HORIZON NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Wylfa Newydd Project

5.1 Consultation Report Appendix A.1 to A.7

PINS Reference Number: EN010007

Application Reference Number: 5.1

June 2018

Revision 1.0

Regulation Number: 5(2)(q); Section 37(3)(c) Planning Act 2009

Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Horizon Internal DCRM Number: WN0902-ARP-PAC-REP-00009 (Part 1/10)

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Appendix A.1- Covering letter consulting IACC on the draft SoCC 2014

HORIZON NUCLEAR POWER

Horizon Nuclear Power Limited
5210 Valiant Court
Gloucester Business Park
Delta Way, Gloucester, GL3 4FE
T +44 (0) 845 300 6816

ENERGY WORKING FOR BRITAIN

Arthur Wyn Owen
Corporate Director
Sustainable Development Directorate

Isle of Anglesey County Council
Llangefni
Anglesey
LL77 7TW

8th July 2014

DCRM Ref. No: HNP-S5-PAC-LET-00002

Dear Mr Arthur Wyn Owen

Submission of an updated Statement of Community Consultation in accordance with Section 47 (2) of the Planning Act 2008 in relation to the proposals by Horizon Nuclear Power for a new nuclear power station at Wylfa

As you are aware Horizon Nuclear Power Wylfa Limited ["Horizon"] is developing proposals for a new nuclear power station on land adjacent to the existing power station at Wylfa on the Isle of Anglesey.

In relation to requirements set out under Section 47 (3) of the Planning Act 2008 ["The Act"] Horizon Nuclear Power must consult with the local authority about what is to be in the statement and I am writing to formally seek the view of Isle of Anglesey County Council on Horizon"s updated draft Statement of Community Consultation ["Statement"] for the proposed new nuclear power station project at Wylfa. I am pleased to enclose a copy of the draft Statement, which is an update to the December 2011 first publication that IACC initially endorsed, following the acquisition of Horizon Nuclear Power by Hitachi.

The purpose of the Statement of Community Consultation as stated in Section 47 of The Act is to set out how the applicant (Horizon) proposes to consult, about the proposed application. Specific details of the development will be presented at Stage One Pre-Application Consultation, which is due to commence in September 2014, however an overview of what is being proposed and an indicative Project timeline has been included in the Statement.

Please note that the statutory consultation period for this consultation is 28 days, beginning with the day after this letter and statement is received by you and ending close of business on the 5th August. However in order to maximise the time in which you have to consider the Statement and recognising that we are issuing this draft in the period leading up to the holiday season and accordingly we would appreciate your response no later than close of business on the ***20th August***.

Horizon Nuclear Power Limited is a company registered in England & Wales No. 6660388. Registered office Valiant Court, Gloucester Business Park, Delta Way, Gloucester, GL3 4FE

I would be very grateful if you could email electronic versions of your comments to my colleague Sarah Fox at sarah.fox@horizonnuclearpower.com.

We would very much like to arrange a couple of workshops to discuss our proposals, one with Isle of Anglesey County Council Officers and one with the „Llais Ni" project, taking into account your recommendations. We would like to arrange for the workshops to take place between the 15th of July and 15th of August.

I look forward to discussing the above proposal and receiving your formal response by close of business on the 15th August. Please do not hesitate to contact Sarah Fox in the first instance if you have any queries on the statement submitted.

Yours sincerely,



Kieran Somers

Head of Planning

c.c.

Iwan Trefor Jones – Corporate Director, Development Directorate (Gwynedd Council)
Sasha Wynn Davies, Strategic Director, Economy and Place (Conwy County Council)
Mark Wilson – Infrastructure Planning Lead (The Planning Inspectorate)

Gwyndaf Jones – Chief Planning Officer (IACC)
Dylan Williams – Head of Service, Economic & Community Regeneration (IACC)
Gareth Hall – Programme Deliver Manager (IACC)
Janet Wilson – Licensing & Permissions Director (Horizon)
Leon Flexman – Head of Communications (Horizon)

Enc. Draft Statement of Community Consultation 2014

Horizon Nuclear Power Limited is a company registered in England & Wales No. 6660388. Registered office Valiant Court, Gloucester Business Park, Delta Way, Gloucester, GL3 4FE

Appendix A.2- IACC feedback on the SoCC 2014

CYNGOR SIR
YNYS MÔN
ISLE OF ANGLESEY
COUNTY COUNCIL

Richard Parry Jones, M.A.
Prif Weithredwr / Chief Executive

CYNGOR SIR YNYS MÔN
ISLE OF ANGLESEY COUNTY COUNCIL
Swyddfa'r Sir
LLANGEFNI
Ynys Môn • Anglesey
LL77 7TW

Ffôn / Tel: (01248) 752 100
Ffacs / Fax: (01248) 750 839

Mr. Kieran Somers
Head of Planning & Consents
Horizon Nuclear Power Ltd.
5210 Valiant Court
Gloucester Business Park
Delta Way
Gloucester
GL3 4FE

Gofynnwch am • Ask For: Ceri Woodcock (Project Management Office)

Ffôn / Tel: (01248) 751 863
E-bost / E-mail: CeriWoodcock@anglesey.gov.uk
Ffacs / Fax: (01248) 752192

Ein Cyf. • Our Ref: 817.40.7
Eich Cyf. • Your Ref:

Dyddiad / Date: 19/08/2014

Dear Mr. Somers,

RE: Isle of Anglesey County Council's Response to Horizon Nuclear Power's Statement of Community Consultation (in accordance with s.47 of the Planning Act 2008)

The Isle of Anglesey County Council (IACC) welcomes the opportunity to comment on Horizon Nuclear Power's (Horizon) revised Statement of Community Consultation (SOCC) submitted in July 2014 in respect to your proposal for a new nuclear power station at Wylfa. Since the initial draft was submitted to the IACC for comments in April 2014, Horizon has taken on board the comments proposed by the IACC and you should be commended for this. The IACC believe that the document is considerably less 'legalistic' than the previous draft and focusses more on how you propose to engage with the community, which is the overarching purpose of the document.

Under the provisions of s.47 of the Planning Act 2008, the promoter (Horizon) is required to consult with the community and draw up a SOCC explaining how it intends to carry out consultation with the community in the vicinity of the proposed development. The promoter must also consult the relevant local authorities on the draft SOCC and take account of responses it receives. Section 134 of the Localism Act 2011 amends section 47 of the Planning Act to remove the requirement for the statement to be published in a newspaper (or any other prescribed manor) in full. Instead, the statement must be made available for inspection by the public in a way that is reasonably convenient for people living in the vicinity of the land. The applicant must also publish, in a newspaper circulating in the vicinity of the land, a notice stating where and when the statement can be inspected.

The IACC welcomes this change in legislation as it allows the SOCC to be much more detailed as opposed to being a restrictive newspaper article. The IACC however, would request that Horizon, when publishing their notice in a newspaper, provide reasonable detail about the project and timescales to ensure that people who may not otherwise read the full SOCC are informed. The IACC would also encourage the use of social media (such as Facebook and Twitter) and other electronic forms of communication to ensure that the consultation is as inclusive as possible.

The IACC's statutory response (under the provisions of s.47 (3) of the Planning Act 2008) is crucial to inform the Planning Inspectorate (PINs) on the adequacy of Horizon's community

consultation proposals. Having been working with Horizon for many months on the contents and structure of the SOCC, it is pleasing to see significant amendments have been made since the initial draft SOCC was submitted in April following the IACC's formal recommendations.

The SOCC has been reviewed by a number of IACC Officers; the overall feedback has been very positive stating that the document fulfils the requirements of a SOCC. Noted below are some points in relation to good practice which may be of benefit to you during the consultation period. Also please see attached Annex 1 which outlines some constructive feedback provided by IACC Officers in relation to the SOCC document.

From Officers professional experience and knowledge Horizons attention is drawn to the fact that although the presentation of bilingual material and the use of Welsh speakers at manned events is welcomed, the validity of the consultation process could be brought into question if information is incorrectly translated and conveyed to Welsh speaking stakeholders. It is imperative therefore that all material is proofed and scrutinised prior to publication.

IACC did propose that a non-technical summary of the SOCC, be drafted. This short illustrative document would be user friendly and would clearly explain how Horizon are going to consult with the public. This does not seem to be present / included with this document. IACC would suggest that this is produced in line with the comments made on the previous SOCC and included within Horizon's 'Community Update' publication to ensure that each household gets this information (prior to PAC 1 on the 29th September 2014).

On the whole, the IACC believe that the document is well written, easy to digest and is a significant improvement on the initial submission of the SOCC in April 2014. It is therefore considered that if IACC comments (which are outlined in Annex of this response) are incorporated in the SOCC it will be a comprehensive document which would clearly outline Horizon's consultation proposals. The methodology would be sufficiently robust to enable Horizon to consult effectively with the public on the proposed new nuclear build at Wylfa and therefore the IACC believe that the SOCC adequately conforms to the requirements of s.47 of the Planning Act 2008.

Should you have any further questions or further comments, please do not hesitate to contact the Project Management Office (PMO).

Yours sincerely,

[redacted]

Richard Parry Jones
Chief Executive

C.C.

Arthur Owen – Corporate Director, Sustainable Development, IACC
Dylan J Williams – Head of Economic & Community Regeneration, IACC
John I Jones – Programme Director – Energy Island Programme, IACC
Gwyndaf Jones – Chief Planning Officer, IACC
Mark Wilson – Case Officer, PINs
Dilwyn Williams - Chief Executive, Gwynedd Council
Iwan Davies – Chief Executive, Conwy County Borough Council
Albert Owen MP
Rhyn Ap Iorwerth AM

ANNEX 1

Isle of Anglesey County Council's Response to Horizon Nuclear Power's Statement of Community Consultation.

Following internal consultation with key IACC Officers, the below table captures the comments received on the draft SOCC submitted by Horizon to IACC in July 2014.

Page	COMMENTS
Front Cover	The front cover should be clearly marked Draft to avoid confusion.
2	It is suggested, the first paragraph should explicitly say 'Horizon' instead of 'how WE will formally consult'.
2	The purpose of the SOCC outlines how Horizon will consult with people living in "the vicinity of the land at Wylfa (the local community)". This statement suggests those living in close proximity of the site, this is considered to contradict the consultation zones outlined on page 9. It is suggested Horizon explain what is meant by 'the local community' in this opening statement.
2	Second paragraph - Horizon call themselves 'Horizon Nuclear Power Wylfa Limited', is this correct? If so, we need consistency.
3	First paragraph - the last line should read 'Change for a Development Consent Order (DCO) under that act' not 'Change for a development consent under that act'.
3	Third paragraph – the second line should include the word 'with' in between 'consult people'.
4	The first paragraph mentions helping the local community, it is suggested it would be beneficial to clarify what is meant by 'local'. Should the 4th bullet point state 'consult with people, groups and community organisations' rather than just people?
4	Second paragraph uses the term 'where possible' in relation to the elements of the project not covered by the DCO, it is believed that 'where possible' gives Horizon a somewhat free-reign to consult on these elements on their own terms.
4	Third paragraph, fourth line requires the word 'be' in between 'actively seeking' and the line should end with a semi-colon. There is no need to place the example that follows in brackets, it should read 'for example the use of UK Advanced Boiling Water Reactors is fixed and is therefore not subject to consultation'.
4	The various consenting regimes should be fully explained in order that the public can distinguish between the DCO process and that which is covered by the Town and Country Planning Act 1990. Horizons latest draft however states that community and stakeholder consultation with respect to matters which lie beyond the requirements of the Planning Act 2008, will be undertaken '*where possible and where timescales allow'.* It is strongly suggested that this statement is reviewed in order that the community and stakeholders are perfectly clear with respect to Horizons development proposals and the various consenting regimes which are required to deliver them from the outset.
4	Sixth paragraph should include the word 'the' on the second line in between 'and Secretary'.
4	Consideration should be given whether the document should specifically refer to the fact that Anglesey County Council will be dealing with the Associated Development applications.
5	The first two lines need to be closed with a bracket.
5	Consider changing the first word in the first paragraph to 'Collectively' instead of 'Taken together'.
5	1st Paragraph, last line 'that we is putting forward' suggest changing to 'that we

	are putting forward'.
5	The 5th line in the second paragraph needs a closed bracket after 2009.
5	Last paragraph mentions 'spent fuel stores' as something to be included in the main development. It is suggested this is called 'interim waste storage facility' especially due to the topical nature of this issue at present.
5	The question was raised as to whether a reference to Re-Scoping the development and present to PINS is required in the document.
6	Second line in the first paragraph – the word 'to' should be 'too'.
6	In order to ensure consistency and minimise confusion, should Horizon be referring to 'associated development' rather than 'additional developments'?
7	No key on Figure 3, what do the extensions on the arrows represent?
8	The list of potential impacts should also make reference to the Welsh Language. A specific reference would help to demonstrate Horizon's recognition of the impact and their commitment towards the language (ref. the Full Council meeting on the 29th July) and Horizon shouldn't hide behind bland statements such as *"cultural impacts".* In addition, the list of potential negative impacts suggests a total lack of recognition of any social and economic impacts (which is concerning) and too much focus on purely physical/ environmental concerns.
8	Reference is made to the potential benefits of the NNB to the region, it may be of benefit to explain what is meant by region.
9	Local Impact Report for Zone B (if separate) will also be important. Any dialogue with Gwynedd on this?
9	Is the reference to Mon Menai regeneration area under Zone B still relevant given that the programme no longer exists?
9	It is considered Zone C should cover the Meirionnydd area south of Trawsfynydd. The thinking regarding manning Wylfa Newydd has always been linked with Wylfa and Trawsfynydd workforce. These should reasonably be included in the consultation – specifically the Trawsfynydd local catchment area; not leaving Trawsfynydd as the end point. It is known that people travel daily from Meirionnydd to work in Wylfa.
10	It is suggested that holiday home owners should be moved to the last point on the list of key target groups as their prominent positioning in the list suggests that these intermittent residents are more important than other permanent members of the local community.
10 & 11	Methods of communication are listed under "How will the consultation be advertised" but reference to language is not made. It needs to be explicitly stated that the consultation will be done in both English and Welsh. It is appreciated and accepted that technical documents cannot be translated however specific indication has been made to which methods will be bilingual, but it appears Horizon don't intend to utilise Welsh in other methods e.g. Newsletters, it is advised this is reconsidered. Reference should also be made to other languages and formats such as braille and other languages. What is Horizon's approach to this? The same applies to "How Can I respond" is seems as though it is only the hotline that is available bilingually. Would people be able to provide feedback bilingually?
11	The section on social media needs further expansion. Will Horizon have its own dedicated social media channels or use other organisations already established channels such as the IACC, ONR etc.
11	Should social media be used as a response method? This is the primary method for young people to communicate, and probably the only means they are likely to use to express opinions
12	Paragraph 2, first line, '…our aims to acknowledge' should this read 'our aim is to acknowledge'?
12	Paragraph 2, first line 'all responses it receives' should this read 'all responses

	we receive'?
12	Paragraph 2, last line, '… stored by us or its consultants' should this read '…stored by us or our consultants'?
12	Reference to Centrica should be removed from the document.
Whole document.	The Visual format of the document is considered to be bland and appears like a report. The format of the document should be reconsidered to be more user friendly, e.g. less text on the page, more diagrams, colours.
Additional Comments	Following on from IACC initial comments on the SOCC in April, due to the significant changes it would have been useful to see a table to summarise what changes were made and how our previous comments had been implemented.

Appendix A.3- Newspaper adverts of the published SoCC 2014

Appendix A.3- Daily Post 16 September 2014

DAILY POST

No: 50,305 | WEST | www.dailypost.co.uk

Tuesday, September 16, 2014 | NORTH WALES' BEST READ NEWSPAPER | 60p



BABY OF THE YEAR 2014

Vote now for your cutest kid



CONWY

Arrest after bridge hit by graffiti

A LANDMARK 17th century stone bridge was daubed in graffiti.

A 21-year-old local man was arrested after slogans were painted on Llanrwst's Y Bont Fawr. One slogan said: "Revolution were (sic) watching you".

Conwy councillor Mike Priestley said he was "disgusted" by the incident.

PAGE 3

GWYNEDD

£12.4m plan for new special school

PLANS to build a new £12.4 million school for children with special needs will be discussed by councillors today.

Gwynedd Council is considering closing the overcrowded Ysgol Hafod Lon at Y Ffôr, Pwllheli, and the Tŷ Aran unit at Dolgellau, and replacing them with a new school in Penrhyndeudraeth by 2016.

PAGE 3

GOLFER FIGHTS FOR LIFE

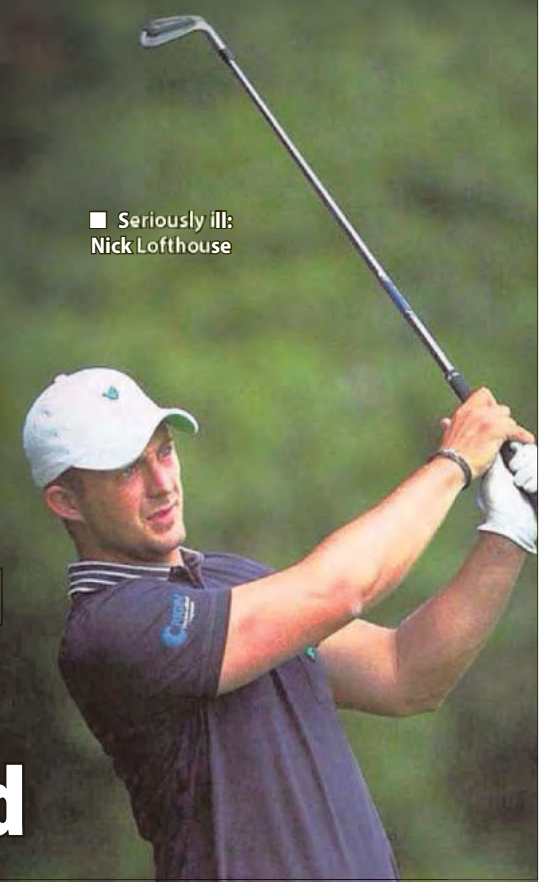
Devastated family at hospital bedside of popular 24-year-old

By DAVID POWELL

THE family of a professional golfer who is fighting for his life after being found on the A55 are hopeful he will make a recovery.

Nick Lofthouse, from Llandudno, was found at Old Colwyn on Saturday.

FULL STORY – PAGE 11



Seriously ill: Nick Lofthouse

ITS BEDROOM WEEK AT PINE & OAK DIRECT OF RUTHIN



PINE BEDS FROM £179
VINTAGE PINE BEDROOMS

YOUR DREAM PINE BEDROOM
3 Piece Deal ALL FOR £399
(a full size double wardrobe, 4 drawer chest of drawers, 3 drawer bedside cabinet)



SPECIAL DEALS ON ALL PINE & OAK WARDROBES ORDERED THIS WEEK!
Inc Childrens, Ladies, Mens, Singles, Doubles, Triple & Quad styles



PINE DIRECT FURNITURE OUTLET OPEN 7 DAYS • BY RUTHIN TESCO • RUTHIN

FREEFONE FOR NEW CATALOGUE
0800 7311490

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

Hysbysiad Cyhoeddus
Pŵer Niwclear Horizon

WYLFA NEWYDD – GORSAF BŴER NIWCLEAR NEWYDD AR YNYS MÔN

ADRAN 47, DEDDF CYNLLUNIO 2008 – HYSBYSIAD O DDATGANIAD O YMGYNGHORI CYMUNEDOL

Mae Pŵer Niwclear Horizon Wylfa Cyfyngedig (Horizon) yn cynnig adeiladu a gweithredu gorsaf bŵer niwclear newydd ar Ynys Môn gyda chapasiti trydanol o hyd at 2,700 MW. Bydd prif adeiladau a strwythurau'r orsaf bŵer weithredol (Wylfa Newydd) ar dir wrth ymyl Gorsaf Bŵer bresennol Wylfa.

Mae Horizon wedi datblygu Datganiad o Ymgynghori Cymunedol yn unol ag Adran 47 o'r Ddeddf Cynllunio 2008. Mae'r Datganiad o Ymgynghori Cymunedol yn nodi sut bydd Horizon yn ymgynghori'n ffurfiol â'r rheini sy'n byw wrth ymyl y datblygiad arfaethedig a sut gall pobl ddweud eu dweud ynghylch y cynigion.

Cyn bo hir bydd Horizon yn dechrau ei gam ffurfiol cyntaf o'r ymgynghoriad ac mae rhagor o wybodaeth am yr ymgynghoriad ar gael drwy wefan Horizon yn **www.horizonnuclearpower.com/ymgynghoriad**

Mae'r ddogfen Datganiad o Ymgynghori Cymunedol llawn ar gael ar-lein yn **www.horizonnuclearpower.com** ac mae ar gael yn y lleoliadau canlynol hefyd:

LLYFRGELLOEDD AR YNYS MÔN

Llyfrgell Amlwch
Lôn Parys
Amlwch
LL68 9EA
Ff: 01407 830145

Llyfrgell Biwmares
Hen Ysgol David Hughes
Biwmares, Ynys Môn
LL58 8AL
Ff: 01248 810659

Llyfrgell Benllech
Ffordd Bangor
Benllech
LL74 8TF
Ff: 01248 852348

Llyfrgell Cemaes
Ffordd Glascoed
Cemaes
LL67 0HN
Ff: 01407 711025

Llyfrgell Caergybi
Newry Fields
Caergybi
LL65 1LA
Ff: 01407 762917

Llyfrgell Llangefni
Lôn y Felin
Llangefni
LL77 7RT
Ff: 01248 752095

Llyfrgell Porthaethwy
Ffordd y Ffair
Porthaethwy
LL59 5AS
Ff: 01248 712706

Llyfrgell Moelfre
Y Ganolfan
Moelfre
LL72 8HA
Ff: 01248 410331

Llyfrgell Niwbwrch
Sefydliad Pritchard
Jones, Niwbwrch
LL61 6SY
Ff: 01248 440770

Llyfrgell Rhosneigr
Stryd Fawr
Rhosneigr
LL64 5UX
Ff: 01407 811293

LLYFRGELLOEDD YNG NGWYNEDD A CHONWY

Llyfrgell Abergele
Stryd y Farchnad
Abergele
LL22 7BP
Ff: 01492 577505

Llyfrgell Bangor
Ffordd Gwynedd
Bangor
LL57 1DT
Ff: 01248 353479

Llyfrgell Bethesda
Ffordd Coetmor
Bethesda
LL57 3DP
Ff: 01248 600737

Llyfrgell Blaenau Ffestiniog
Canolfan Maenofferen
Blaenau Ffestiniog
LL41 3DL
Ff: 01766 830415

Llyfrgell Caernarfon
Lôn Pafiliwn
Caernarfon
LL55 1AS
Ff: 01286 679463

Llyfrgell Bae Colwyn
Ffordd Coetir Orllewinol
Bae Colwyn
LL29 7DH
Ff: 01492 577510

Llyfrgell Conwy
Neuadd Ddinesig
Conwy
LL32 8AY
Ff: 01492 576089

Llyfrgell Deiniolen
Tŷ Elidir, Stryd Fawr
Deiniolen
LL55 3HR
Ff: 01286 870080

Llyfrgell Llanberis
Ffordd Capel Coch
Llanberis
LL55 4SH
Ff: 01286 870811

Llyfrgell Llandudno
Stryd Mostyn
Llandudno
LL30 2RP
Ff: 01492 574010

Llyfrgell Llanrwst
Plas yn Dre
Ffordd yr Orsaf
Llanrwst LL26 0DF
Ff: 01492 577545

Llyfrgell Nefyn
Rhodfa'r Môr
Nefyn
LL53 6EB
Ff: 01758 720873

Llyfrgell Penygroes
Canolfan Dechnoleg
Dyffryn Nantlle, Heol y Dŵr
Penygroes LL54 6LR
Ff: 01286 880427

Llyfrgell Porthmadog
Stryd Wesla
Porthmadog
LL49 9BT
Ff: 01766 514091

SWYDDFEYDD Y CYNGOR

Swyddfeydd Cyngor Sir Ynys Môn
Llangefni
Ynys Môn
LL77 7TW
Ff: 01248 750057

Swyddfeydd Cyngor Gwynedd
Stryd y Castell
Caernarfon
Gwynedd
LL55 1SH
Ff: 01766 771000

Cyngor Bwrdeistref Sirol Conwy
Bodlondeb
Conwy
LL32 8DU
Ff: 01492 574000

Sut mae cael rhagor o wybodaeth?

Gallwch chi gysylltu â Horizon unrhyw bryd.

Drwy e-bost: **ymholiadauwylfa@horizonnuclearpower.com**

Dros y ffôn: **0800 954 9516**

Gwefan: **www.horizonnuclearpower.com**

Cyfeiriad rhadbost: **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

YNNI YN GWEITHIO I BRYDAIN I ENERGY WORKING FOR BRITAIN

WYLFA NEWYDD

Horizon Nuclear Power – Public Notice

WYLFA NEWYDD – A NEW NUCLEAR POWER STATION ON ANGLESEY

SECTION 47, PLANNING ACT 2008 – STATEMENT OF COMMUNITY CONSULTATION NOTICE

Horizon Nuclear Power Wylfa Limited (Horizon) is proposing to construct and operate a new nuclear power station on Anglesey with an electrical capacity of up to 2,700 MW. The main plant and structures of the operational power station (Wylfa Newydd) will be located on land next to the existing Wylfa Power Station.

Horizon has developed a Statement of Community Consultation (SOCC) in accordance with Section 47 of the Planning Act 2008. The SOCC sets out how Horizon will consult with those that live in the vicinity of the proposed development and how people can have their say on the proposals.

Horizon will shortly be commencing its first formal stage of consultation and more information on the consultation will be available via Horizon's website at **www.horizonnuclearpower.com/consultation**

The full SOCC document can be viewed online at **www.horizonnuclearpower.com** and is also available at the following locations:

LIBRARIES ON ANGLESEY

Amlwch Library
Lôn Parys
Amlwch
LL68 9EA
T: 01407 830145

Beaumaris Library
David Hughes
Community Centre
Beaumaris, Gwynedd
LL58 8AL
T: 01248 810659

Benllech Library
Bangor Road
Benllech
LL74 8TF
T: 01248 852348

Cemaes Library
Glascoed Road
Cemaes Bay
LL67 0HN
T: 01407 711025

Holyhead Library
Newry Fields
Holyhead LL65 1LA
T: 01407 762917

Llangefni Library
Lôn y Felin
Llangefni
LL77 7RT
T: 01248 752095

Menai Bridge Library
Wood Street
Menai Bridge
LL59 5AS
T: 01248 712706

Moelfre Library
Y Ganolfan
Moelfre
LL72 8HA
T: 01248 410331

Newborough Library
Prichard Jones Institute
Newborough
LL61 6SY
T: 01248 440770

Rhosneigr Library
High Street
Rhosneigr
LL64 5UX
T: 01407 811293

LIBRARIES IN CONWY AND GWYNEDD

Abergele Library
Market Street
Abergele
LL22 7BP
T: 01492 577505

Bangor Library
Gwynedd Road
Bangor
LL57 1DT
T: 01248 353479

Bethesda Library
Coetmor Road
Bethesda
LL57 3DP
T: 01248 600737

Blaenau Ffestiniog Library
Canolfan Maenofferen
Blaenau Ffestiniog
LL41 3DL
T: 01766 830415

Caernarfon Library
Pavilion Hill
Caernarfon
LL55 1AS
T: 01286 679463

Colwyn Bay Library
Woodland Road West
Colwyn Bay
LL29 7DH
T: 01492 577510

Conwy Library
Civic Hall
Conwy
LL32 8AY
T: 01492 576089

Deiniolen Library
Tŷ Elidir, High Street
Deiniolen
LL55 3HR
T: 01286 870080

Llanberis Library
Capel Coch Road
Llanberis
LL55 4SH
T: 01286 870811

Llandudno Library
Mostyn Street
Llandudno
LL30 2RP
T: 01492 574010

Llanrwst Library
Plas yn Dre
Station Road
Llanrwst LL26 0DF
T: 01492 577545

Nefyn Library
Rhôdfa'r Môr
Nefyn
LL53 6EB
T: 01758 720873

Penygroes Library
Dyffryn Nantlle Technology Centre
Heol y Dŵr, Penygroes
LL54 6LR
T: 01286 880427

Porthmadog Library
Chapel Street
Porthmadog
LL49 9BT
T: 01766 514091

COUNCIL OFFICES

Isle of Anglesey County Council Offices
Llangefni
Anglesey
LL77 7TW
T: 01248 750057

Gwynedd Council offices
Castle Street
Caernarfon
Gwynedd
LL55 1SH
T: 01766 771000

Conwy County Borough Council
Bodlondeb
Conwy
LL32 8DU
T: 01492 574000

How can you find out more?

You can contact Horizon at any time.

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By phone: **0800 954 9516**

Website: **www.horizonnuclearpower.com**

Freepost address: **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

Appendix A.3- Holyhead and Anglesey Mail 17 September 2014

YNNI YN GWEITHIO I BRYDAIN I ENERGY WORKING FOR BRITAIN

WYLFA NEWYDD

Horizon Nuclear Power – Public Notice

WYLFA NEWYDD – A NEW NUCLEAR POWER STATION ON ANGLESEY

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Hysbysiad Cyhoeddus
Pŵer Niwclear Horizon

WYLFA NEWŶDD – GORSAF BŴER NIWCLEAR NEWYDD AR YNYS MÔN
ADRAN 47, DEDDF CYNLLUNIO 2008 – HYSBYSIAD O DDATGANIAD O YMGYNGHORI CYMUNEDOL

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Cyn bo hir bydd Horizon yn dechrau ei gam ffurfiol cyntaf o'r ymgynghoriad ac mae rhagor o wybodaeth am yr ymgynghoriad ar gael drwy wefan Horizon yn **www.horizonnuclearpower.com/ymgynghoriad**

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Cyfeiriad rhadbost: **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

Appendix A.3- Caernafon and Denbigh Herald 18 September 2014

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WYLFA NEWYDD – GORSAF BŴER NIWCLEAR NEWYDD AR YNYS MÔN
ADRAN 47, DEDDF CYNLLUNIO 2008 – HYSBYSIAD O DDATGANIAD O YMGYNGHORI CYMUNEDOL

Mae Pŵer Niwclear Horizon Wylfa Cyfyngedig (Horizon) yn cynnig adeiladu a gweithredu gorsaf bŵer niwclear newydd ar Ynys Môn gyda chapasiti trydanol o hyd at 2,700 MW. Bydd prif adeiladau a strwythurau'r orsaf bŵer weithredol (Wylfa Newydd) ar dir wrth ymyl Gorsaf Bŵer bresennol Wylfa.

Mae Horizon wedi datblygu Datganiad o Ymgynghori Cymunedol yn unol ag Adran 47 o'r Ddeddf Cynllunio 2008. Mae'r Datganiad o Ymgynghori Cymunedol yn nodi sut bydd Horizon yn ymgynghori'n ffurfiol â'r rheini sy'n byw wrth ymyl y datblygiad arfaethedig a sut gall pobl ddweud eu dweud ynghylch y cynigion.

Cyn bo hir bydd Horizon yn dechrau ei gam ffurfiol cyntaf o'r ymgynghoriad ac mae rhagor o wybodaeth am yr ymgynghoriad ar gael drwy wefan Horizon yn **www.horizonnuclearpower.com/ymgynghoriad**

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Sut mae cael rhagor o wybodaeth?

Gallwch chi gysylltu â Horizon unrhyw bryd.

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Cyfeiriad rhadbost: **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

Appendix A.4- Published SoCC 2014

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WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Wylfa Newydd Project

Statement of Community Consultation

September 2014



Wylfa Newydd Project – A proposed new nuclear power station on Anglesey

This Statement of Community Consultation relates to Horizon Nuclear Power Wylfa Limited's (Horizon's) proposals to develop a new nuclear power station at Wylfa on Anglesey – the Wylfa Newydd Project. It explains how we will formally consult with the local community, as well as the communities, groups and individuals that we believe may potentially experience impacts or benefits as a result of our proposals.

Who is Horizon and what is the Wylfa Newydd Project?

The Horizon group of companies, which is ultimately owned by Hitachi, Ltd., is developing a new generation of nuclear power stations to help meet the UK's need for safe, affordable, low carbon energy. Nuclear power can play a vital role in meeting the challenge of maintaining secure energy supplies for the UK, while also tackling the global threat of climate change by meeting emissions reduction targets.

As part of our Wylfa Newydd Project, we are proposing to construct and operate a new nuclear power station, including two UK Advanced Boiling Water Reactors supplied by Hitachi-GE Nuclear Energy, Ltd. associated plant and ancillary structures and features (the Power Station), along with associated development to support its delivery. The Power Station will deliver at least 2,700 megawatts of electricity, enough power for around 5 million homes.

The main plant and structures of the operational Power Station, (which will be known as 'Wylfa Newydd'), will be situated to the west of Cemaes, next to the existing Magnox power station, on the Wylfa peninsula in north Anglesey. We intend to be generating electricity at Wylfa Newydd in the first half of the 2020s.

Horizon Nuclear Power – Our Vision and Mission

We believe there is a compelling requirement for new nuclear power in the UK to help tackle the vital and complex challenge of delivering a sustainable energy future. We will deliver secure, affordable, low carbon energy for present and future generations.

Our mission is to build a new, leading, UK nuclear utility company, successfully developing, constructing and operating the UK Advanced Boiling Water Reactor at Wylfa on Anglesey and Oldbury-on-Severn in South Gloucestershire.

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What is a Statement of Community Consultation and how does it relate to the consenting process?

The Power Station is a Nationally Significant Infrastructure Project for the purposes of the Planning Act 2008 and so we will need to make an application to the Secretary of State for the Department of Energy and Climate Change for a development consent order under that Act to authorise it.

Consultation is an important part of the planning and development process, and the Planning Act 2008 requires developers to consult widely with the local community, local authorities, statutory bodies and persons with an interest in land affected by the proposed Nationally Significant Infrastructure Project, as well as publicise the proposals more widely. This process is referred to as 'pre-application consultation' and must be carried out before the application for a development consent order can be accepted by the Planning Inspectorate on behalf of the Secretary of State.

In particular, section 47 of the Planning Act 2008 requires developers to prepare a Statement of Community Consultation explaining how they will consult with people living in the vicinity of a Nationally Significant Infrastructure Project site. It is therefore an important part of the consenting process for us to carry out effective consultation on our proposals before making an application for a development consent order.

As required by the Planning Act 2008, we have consulted with the Isle of Anglesey County Council (the Council) on a draft of the Statement of Community Consultation and have had regard to the Council's response.

This Statement of Community Consultation, which is available on our website, is being advertised in local and regional newspapers with daily or weekly circulation across Anglesey and North Wales, and is designed to help community members understand how and what they will be consulted on.

It explains:

- **What** we are proposing to develop – including a brief description of:
  - The development consenting process including how environmental impacts are assessed in order to identify potential benefits and detriments of a Nationally Significant Infrastructure Project;
  - the Wylfa Newydd Project;
- **When** we will be consulting;
- **Who** and **where** we will be consulting;
- **How** we will consult with people, groups and community organisations about the Wylfa Newydd Project; and
- **How** consultees can respond to the consultation and find out about how feedback has been taken into account.

Some elements of the Wylfa Newydd Project cannot be included in the application for a development consent order and will instead be applied for in planning applications which would be determined by the relevant local planning authority, or via other consenting processes. The requirements under the Planning Act 2008 relating to pre-application consultation will not therefore apply to those elements. However, in the interests of keeping the local community and other stakeholders informed, we will include relevant information on those elements of the Wylfa Newydd Project during our pre-application consultation. In addition, we may undertake separate targeted consultation and engagement events on specific issues or with specific groups.

We will ensure consultation is meaningful, inclusive and clear by providing consultees with information that can be easily understood to enable constructive and informed comments on the Wylfa Newydd Project. Consultation materials will explain elements of the proposals on which we are, and are not, actively seeking the views of the local community. For example, the use of UK Advanced Boiling Water Reactors at our Power Station is fixed.

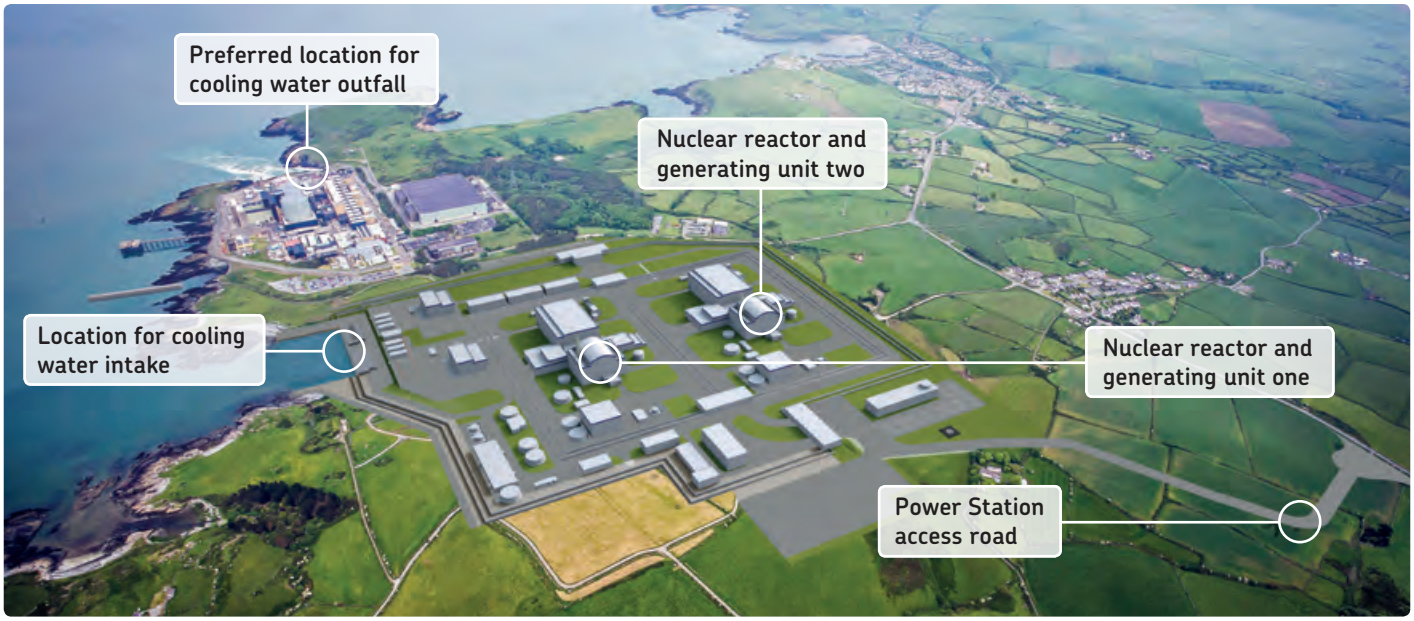


Figure 1: Indicative location of our Power Station

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DEVELOPMENT CONSENTING PROCESS

Pre-application consultation is important in the development consent and examination processes as it allows us to understand consultees' concerns and seek to identify ways of mitigating the potential impacts of the development before submitting our application to the Planning Inspectorate for examination. The Planning Inspectorate will need to be satisfied that we have carried out effective pre-application consultation, in accordance with the requirements of the Planning Act 2008. Following examination of the application, the Planning Inspectorate will make a recommendation to the Secretary of State for Energy and Climate Change, who will make the final determination as to whether to grant a development consent order for the Wylfa Newydd Project.



The Secretary of State has set out policies in relation to Nationally Significant Infrastructure Projects in National Policy Statements. The Planning Inspectorate must consider, and the Secretary of State must determine, our application for a development consent order is in accordance with the following National Policy Statements:

- Overarching National Policy Statement for Energy (NPS EN-1)
- National Policy Statement for Nuclear Energy Generation (NPS EN-6) which identifies Wylfa as one of a small number of sites in the UK that the Government considers to be potentially suitable for the deployment of a new nuclear power station.

Collectively, these National Policy Statements establish that there is an urgent need for new electricity generating capacity, including nuclear. EN-6 makes clear that an application for a development consent order for a new nuclear power station should be assessed on the basis that "the need for such infrastructure has been demonstrated" and goes on to identify the site at Wylfa as potentially suitable for a new nuclear power station. As such, we will not be consulting on the principle of nuclear power, or the suitability of the Wylfa Site for a new nuclear power station, instead the consultation will seek views on the specific proposals or options that we put forward.

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HOW ENVIRONMENTAL IMPACTS ARE ASSESSED

The proposed Power Station is classified as an environmental impact assessment development under Schedule 1 to the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009. This means that an environmental statement must be prepared to accompany the development consent order application. We submitted a scoping request to the Infrastructure Planning Commission (the predecessor to the Planning Inspectorate) in November 2009. The Infrastructure Planning Commission issued a scoping opinion in April 2010, formally setting out its opinion of what information should be provided in our environmental statement. We have since met the Planning Inspectorate to discuss the way in which our proposals have evolved in the intervening years and have concluded that the Project has not altered sufficiently to merit changes to the proposed contents of our environmental statement.

We will consult on preliminary environmental information at both of our main stages of consultation. At each stage, this will be set out in a Preliminary Environmental Information Report, which will present our current understanding of the potential environmental impacts of the proposals. The complete findings of our environmental impact assessment will then be included in the environmental statement that will be submitted with our development consent order application.

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The Wylfa Newydd Project

WHAT IS BEING PROPOSED

The main permanent development will be the Power Station (included in an application for a development consent order), which will include the two UK Advanced Boiling Water Reactors and associated auxiliary buildings together with the steam turbines, intermediate level waste and spent fuel interim storage buildings, electrical generators, and associated plant (such as cooling water infrastructure and breakwaters) and ancillary structures and features (such as roads and landscape setting).

Off-site facilities for the operation of the Power Station (such as an alternate emergency control centre and survey laboratory) would need to be provided locally to, but physically separate from, the Power Station Site.

During the construction period, a number of temporary construction compounds would be established. It is anticipated that a marine off-loading facility will be used for deliveries directly to the Power Station Site by sea, and road improvements will also be needed, including along the A5025 between Valley and Wylfa.

A number of Associated Developments are likely to be required to support the construction and operation of the Power Station. These include park and ride facilities, off-site temporary worker accommodation and at least one logistics centre, for which planning permission would be sought under the Town and Country Planning Act 1990.

There is a need for the Power Station to be connected to the National Grid electricity transmission network and consultation on this is being progressed separately by National Grid.



Figure 2: Construction of ABWR building at Shimane 3 in Japan

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POTENTIAL IMPACTS

The Wylfa Newydd Project would bring significant (multi-billion pound) investment and benefits to the economy of Anglesey and North Wales. We will create many thousands of construction jobs, which could reach 8,500 during peak periods at the Power Station Site, as well as creating and supporting further employment and supply chain opportunities in support services and industries. Once operational the Power Station is expected to employ up to 1,000 workers, with approximately 1,000 additional workers estimated during planned periods of plant outage for maintenance.

The Wylfa Newydd Project would also be a large construction project, with significant construction activities taking place on the Power Station Site and the surrounding area over a number of years. The Power Station would become a significant feature within the landscape, once constructed.

The consultation materials we will provide will therefore outline and seek views on our proposals in the run up to making an application for a development consent order. We will include information on potential impacts of the proposals (including cumulative impacts of our Project with other developments happening in the same timeframe), covering socio-economics, Welsh language, recreation, traffic and transport, noise, air quality, soils, hydrology, ecology, tides and sea currents and existing views. Information will be included on ways to reduce any potential negative impacts through mitigation proposals such as landscaping to, among other things, compensate for impacts on natural habitats. Our Project will also include measures to enhance potential benefits, for example through investment in training and community facilities.





Figure 3: Proposed timeline and phasing of the Wylfa Newydd Project

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When will we consult on the Wylfa Newydd Project?

We intend to hold two main stages of pre-application consultation, ahead of making our application for a development consent order for the Power Station. We intend to hold the first formal stage (Stage One) between September and December 2014, and the second formal stage (Stage Two) is expected to take place towards the end of 2015. We are planning to make our application for a development consent order in 2017.

There may be a need to run targeted engagement events to generate a dialogue with the community between the formal stages of pre-application consultation. Such events would focus on specific issues or target specific groups, and we will also continue to undertake our regular community engagement through open surgeries and the Wylfa Newydd Project Liaison Group, between the stages of pre-application consultation and beyond.

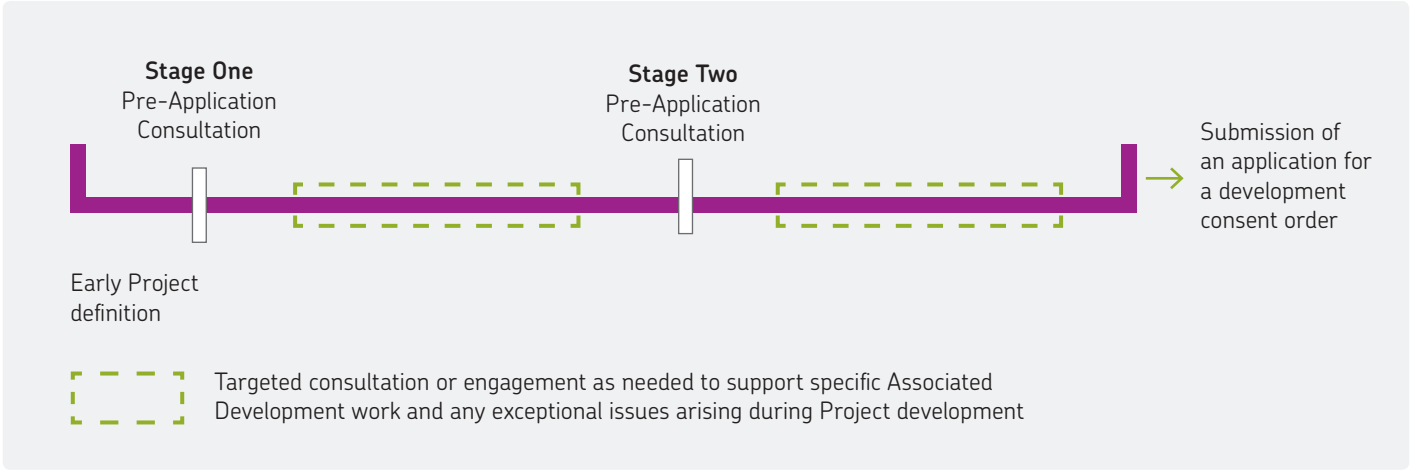


Figure 4: Stages of Consultation and Engagement

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Who are we consulting and where?

We will consult with the communities identified in Figure 5 below, across Zones A, B and C. However, anyone can offer feedback on our proposals for the Wylfa Newydd Project and written information will be made widely available, to ensure consultation is effective and accessible.

Our consultation process will take place across the three 'zones' (see Figure 5), which are:

- **Zone A** – Anglesey, which is the area most likely to be directly affected by the Wylfa Newydd Project;
- **Zone B** – Gwynedd (Arfon) area, which includes Bangor and Caernarfon; and
- **Zone C** – North West Wales, as defined by the Welsh Government, including key centres of population and business, such as Llandudno and Porthmadog.

We recognise that residents, communities, groups and their stakeholders will have different requirements for information and our process of consultation will reflect this. For example, in Zone A we expect many discussions will focus on the direct impacts of construction and operation, whereas in Zone C, interest may well be on broader economic and social matters, such as job creation.

We intend to appropriately target engagement events at those who are potentially most affected by the Wylfa Newydd Project, whilst recognising that those who are less directly affected may also want to take part in consultation events.

As well as consulting with the wider public and their representatives, we will also be working with specific groups, local businesses, community councils and other organisations to increase awareness of the consultation process. To help ensure consultation is as accessible as possible, we have developed a Maximising Inclusion Strategy, a copy of which is uploaded on our website with hard copies available on request. This aims to ensure that we work with gatekeeper organisations across the community to ensure that people have reasonable opportunity to access information about the Wylfa Newydd Project and respond to the consultation should they wish to do so.

The key groups for the Maximising Inclusion Strategy are:

- young people
- older people
- economically inactive people
- socially deprived communities
- disabled people and people with learning difficulties
- minority ethnic groups
- groups representing religions and other beliefs
- lesbian, gay, bisexual & transgender community
- holiday home owners.

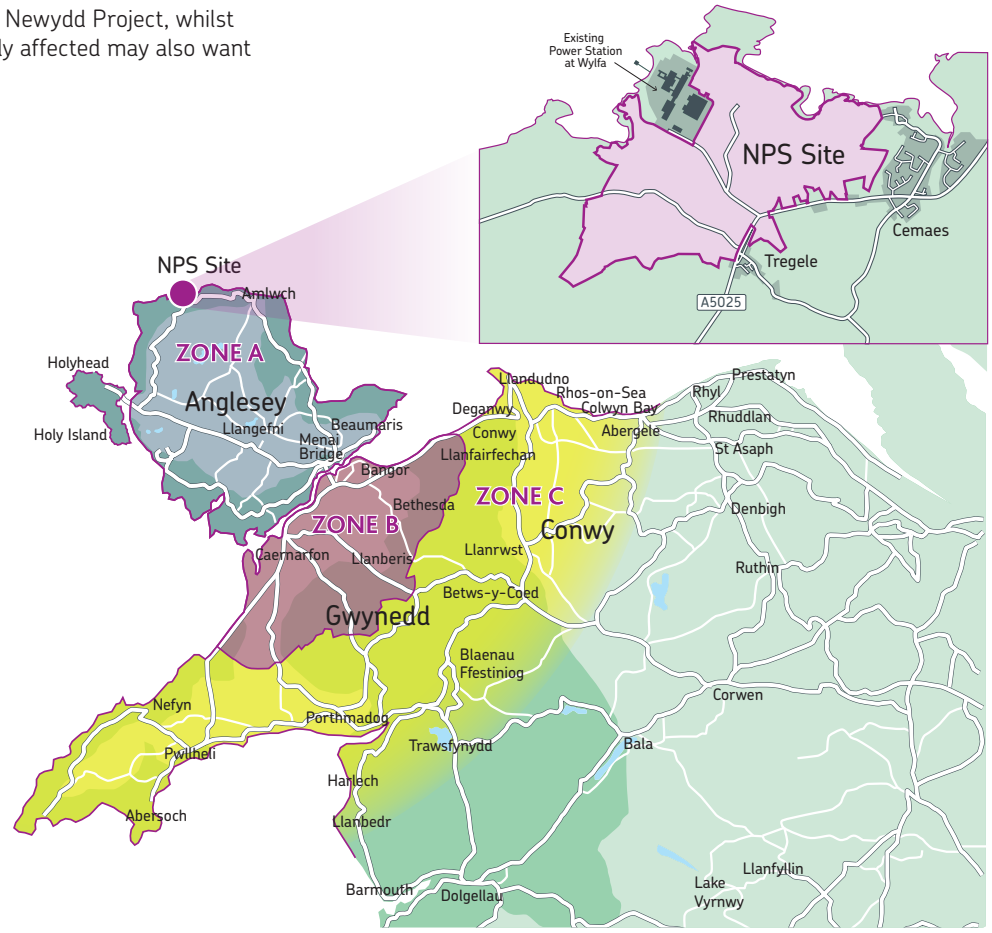


Figure 5: Consultation zones

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How will we be consulting?

Each formal stage of consultation will last around ten weeks and will be structured around a series of exhibition events and drop-in sessions that allow people to meet our team and ask questions. These events will be spread across Zones A, B and C and will be targeted at those areas anticipated to be most directly affected by the Wylfa Newydd Project.

We will hold a number of workplace exhibitions with the largest local employers in order to consult with people who may otherwise not be able to attend exhibitions. Those interested in the Wylfa Newydd Project will also be able to access information at local libraries and other civic buildings, although these locations will be unstaffed unless otherwise stated.

Both main stages of consultation will include overview, summary and display materials in Welsh and English, written in clear, easy to read language. Our bilingual newsletters will also contain information about the progress of the Wylfa Newydd Project and will continue to be delivered regularly to all Anglesey households. Welsh speakers will be available at staffed events and consultation feedback will be welcomed in both Welsh and English. Our overview and summary documents will include details of how to request information in large print and we have a freephone number to help with enquiries in Welsh and English on 0800 954 9516.

Our exhibitions will have a range of more detailed information including maps and supporting diagrams, full consultation documents, preliminary environmental information reports, and other relevant technical information. In addition, all consultation documents will be available via our website at **www.horizonnuclearpower.com/consultation**, where we will also provide the option to register and submit comments on the proposals.



HOW WILL THE CONSULTATION BE ADVERTISED?

We will use a number of ways to communicate with consultees about the consultation process and ensure they're given the opportunity to find out more and take part. These will be:

- **Newsletters** – Our Community Update is delivered to around 33,000 households across Anglesey. It will provide detail on the consultation, including how to get involved and where more information can be found. We will issue a pre-consultation edition ahead of each main stage of consultation.
- **Press adverts** – We will place adverts detailing stages of consultation, including event locations and timings in all appropriate Welsh and English language publications e.g. newspapers.
- **Press releases** – Consultation events will be announced via press releases and we will offer press briefings to all local publications, again both in Welsh and English.
- **Posters** – Posters will be placed in civic buildings such as libraries and town/villages and will be issued to community groups and organisations. These will detail event locations and how people can find out more about consultation.
- **Wylfa Newydd Project Liaison Group** – This is an independent stakeholder liaison group and is designed to channel information from us via community representatives to the wider community. A meeting will be held at the start of each stage of main consultation to discuss how people can get involved.
- **Stakeholders, groups and organisations** – We will engage with a range of stakeholders, bodies and organisations to make them aware of the consultation and, where appropriate, provide details of how their membership can get involved.
- **Website** – All consultation documentation and details of all stages of consultation, including event locations and timings, will be available on our website at **www.horizonnuclearpower.com/consultation** and the website will be sign-posted in all literature.
- **Social media** – We will initially use Twitter to publicise each stage of consultation with the introduction of other social media channels as appropriate. We will also review social media activity to identify any key issues that may trend in relation to our Wylfa Newydd Project.
- **Other media** – We will contact local media outlets (e.g. radio stations and newspapers) before and during the consultation to ensure local people are kept up to date.

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How can I respond?

Those wanting to submit comments during the consultation process will be able to do so in a number of ways:

- **Collect and complete a feedback form from** one of our public exhibitions or information points and **return it to us at a public exhibition or in the freepost envelope provided**
- **complete the online feedback form** on our website: **www.horizonnuclearpower.com/consultation**

Additionally, for more information on the consultation people will be able to contact us through the Wylfa Newydd Freephone Hotline on **0800 954 9516**, which is available in both Welsh and English.



WHAT WILL HAPPEN TO MY RESPONSES?

We will aim to acknowledge all responses we receive. Comments submitted electronically will trigger an automated confirmation of receipt. Where possible, we will also acknowledge comments received by email and post. All responses will be recorded, reviewed and considered as part of the consultation process and will be stored securely on our behalf.

We will produce an Interim Consultation Report that will accompany our Stage Two pre-application consultation, outlining the relevant responses that we've received and how we have taken them into account in developing the Project.

A Final Consultation Report will be submitted with the application for a development consent order, explaining how responses have been taken into account in the development of our Wylfa Newydd Project proposals and where we have not altered our proposals to reflect comments, we will explain our reasoning.

OTHER MAJOR CONSULTATION

The local community may be consulted by the promoters of other Nationally Significant Infrastructure Projects within the consultation zones. We are aware that National Grid is developing proposals for its transmission upgrades and we will seek to avoid scheduling consultation events that overlap with the other consultation where possible.

If you would like a large text or alternative version of this document, please contact us on **0800 954 9516** or go to our website: **www.horizonnuclearpower.com/consultation**

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CONTACT US:
If you have any questions or feedback regarding the Wylfa Newydd Project you can contact us on our dedicated Wylfa Newydd freephone hotline and email address, by calling on **0800 954 9516** or emailing **wylfaenquiries@horizonnuclearpower.com**

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Appendix A.5- Publication / notice of s47 consultation

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ENERGY WORKING FOR BRITAIN

29th September 2014

DCRM Ref. No: HNP-S5-PAC-LET-00004

Dear Sir/Madam

Wylfa Newydd Project Pre-Application Consultation – Stage One documentation &

Wylfa Newydd Supporting Assessments Consultation 29th September – 8th December 2014

Planning Act 2008

I am writing to you as a prescribed consultee under Schedule 1 of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 and under section 42 of the Planning Act 2008. As a prescribed consultee we would like to keep you fully informed about our project proposals and seek your views which will be an important factor in the development of the project.

Horizon Nuclear Power Wylfa Limited is seeking to develop a new nuclear power station on Wylfa (the "Wylfa Newydd Project") to help meet the UK's need for safe, affordable, low carbon energy. Nuclear power can play a vital role in meeting the challenge of maintaining secure energy supplies for the UK, while also tackling the global threat of climate change by meeting emissions reduction targets.

As part of our Wylfa Newydd Project, we are proposing to construct and operate a new nuclear power station, along with associated development to support its delivery. The power station will deliver at least 2,700 megawatts of electricity, enough power for around 5 million homes and will create thousands of job opportunities during its construction and operation.

We have been developing plans for the Wylfa Newydd Project and I am very pleased to enclose one hard copy of each of the following documents which explain the Wylfa Newydd Project proposals, as well as an electronic copy of the documents on a memory stick:

<u>Wylfa Newydd Project – Pre-Application Consultation – Stage One documents</u>

- Consultation Overview Document: this document provides a non-technical overview of the Wylfa Newydd Project. It also includes all of the consultation questions being asked as part of the Stage One pre-application consultation. This overview document is available in both Welsh and English.

Horizon Nuclear Power Wylfa Limited is a company registered in England & Wales No. 6811987. Registered office Valiant Court, Gloucester Business Park, Delta Way, Gloucester, GL3 4FE

- Preliminary Environmental Information Non-technical Summary: this document provides a non-technical summary of the known environmental characteristics of the Wylfa area and likely impacts of the Wylfa Newydd Project in relation to a number of environmental topic areas, drawing on the more detailed information presented in the Preliminary Environmental Information (PEI Report). This non-technical summary document is available in both Welsh and English.

- Consultation Document: this presents Horizon's Wylfa Newydd Project proposals and provides a description of the way in which the Wylfa Newydd Project has evolved. It highlights the particular areas where feedback from consultees is sought to influence the development of the Wylfa Newydd Project proposals and the next steps Horizon intends to undertake. This Document contains all of the questions posed at this Stage One pre-application consultation. It incorporates some Preliminary Environmental Information, supported by cross-references to where further information can be found in the PEI Report, to assist consultees in understanding the types of impacts and effects that different aspects of the Wylfa Newydd Project may have on local communities and the environment.

- Preliminary Environmental Information Report: this report sets out the environmental information collated in relation to the Wylfa Newydd Project to date as part of the Environmental Impact Assessment (EIA) process. It describes the existing baseline environmental conditions and provides a preliminary indication of likely impacts that could arise from the Project. The purpose of this report is to provide sufficient Preliminary Environmental Information to enable members of the public, statutory consultees and other stakeholders to develop an informed view of the Project. The PEI Report is a pre-cursor to an Environmental Statement, which will document the formal EIA process that is required to accompany an application for a development consent order.

We invite your views on our proposals set out in the above documents. There are a number of ways in which to respond to this Stage One pre-application consultation:

- Via feedback forms, which are available at pre-application consultation events;
- Via the Stage One pre-application consultation webpages at www.horizonnuclearpower.com/consultation, where consultees can register and complete a feedback form online;
- In writing to the freepost address FREEPOST HORIZON NUCLEAR POWER CONSULTATION; and
- Via email at wylfaenquiries@horizonnuclearpower.com and ymholiadauwylfa@horizonnuclearpower.com.

Horizon also operates a freephone number in Welsh and English at 0800 954 9516 to help with enquiries during and after this Stage One pre-application consultation.

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Wylfa Newydd Project – Supporting Assessments

- Language Impact Assessment Scoping Report: this sets out Horizon's proposed method for assessing the potential impacts of the Wylfa Newydd Project on Welsh language and culture
- Health Impact Assessment Scoping Report: this sets out Horizon's proposed method for considering the potential impacts of the Project on health and wellbeing
- Sustainability Assessment Scoping Report: this provides the technical background for defining sustainability for the Wylfa Newydd Project, which is expressed through the development of bespoke sustainability objectives. It also sets out a methodology for periodically reviewing the performance of the Wylfa Newydd Project in relation to sustainability.

We are consulting on the above scoping reports at the same time as the Pre-Application Consultation – Stage One and we invite the views of local authorities and statutory bodies, on the methods for assessing the potential impacts of the Wylfa Newydd Project set out within these scoping reports.

Feedback on the Wylfa Newydd Project Scoping Reports should be marked 'WYLFA NEWYDD PROJECT [insert relevant scoping report title] SCOPING REPORT FEEDBACK' and for the attention of 'HORIZON'S EIA MANAGER' either via email at wylfaenquiries@horizonnuclearpower.com / ymholiadauwylfa@horizonnuclearpower.com or in writing to the freepost address FREEPOST HORIZON NUCLEAR POWER CONSULTATION.

We are holding a number of public exhibitions for the Wylfa Newydd Project Pre-Application Consultation – Stage One on Anglesey and in North Wales, which are taking place from the 3rd October up until the 21st November. From 29th September visit our website **www.horizonnuclearpower.com/consultation** to view further information about the Wylfa Newydd Project.

Yours faithfully,

Kieran Somers

Head of Planning

Enc.

- Consultation Overview Document
- Preliminary Environmental Information Non-technical Summary
- Consultation Document
- Preliminary Environmental Information Report
- Language Impact Assessment Scoping Report
- Health Impact Assessment Scoping Report
- Sustainability Assessment Scoping Report
- Memory stick with copy of documents listed above

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PŴER NIWCLEAR HORIZON NUCLEAR POWER

ISSUE 12 | SEPTEMBER 2014

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Community Update

Our plans for new nuclear power at Wylfa

In this issue

Page 1 Community consultation

Page 2 and 3 How to find out more about our proposals

Page 4 Your views count!

Community Consultation – Your Views Count!

At the end of September we will be sharing more detailed information about the Wylfa Newydd Project with people across Anglesey and we want to hear what you think.

The power station will bring billions of pounds of investment and thousands of jobs to the region during the construction phase. Once electricity generation begins up to 1000 people will be employed at the site, providing long-term, high-quality jobs for people from the local community.

Wylfa Newydd is proposed to be built on land next to the existing Magnox power station and will be made up of two Hitachi-GE Nuclear Energy Ltd, UK Advanced Boiling Water Reactors (UK ABWR). As well as the power station we will need to undertake associated developments, including highway improvements along the A5025, park and ride facilities for workers, logistics centres and worker accommodation.

We'll also be consulting on the work we need to do onshore and offshore near Porth-y-Pistyll and our initial thoughts on landscaping around the power station.

Besides the construction activities, we're also interested in your views on our plans to help local people access training and develop skills to get involved in our project, and information on proposals for community facilities, sports, leisure and recreation.

From 29 September visit our website **www.horizonnuclearpower.com/consultation** to view our proposals in detail.



Power Station indicative layout

Welcome

WELCOME TO THE TWELFTH EDITION OF OUR WYLFA NEWYDD NEWSLETTER

September 29 marks the start of our first phase of community consultation on our plans for Wylfa Newydd – a major milestone for the Horizon Nuclear Power team and an important time for the community of Anglesey and beyond.

A number of my team will be out and about across Anglesey and North Wales during the autumn, ready to engage and understand what is important to you with regard to our project. Your feedback really is vital to the successful development of our plans for Wylfa Newydd and we look forward to seeing you at our public exhibitions.

If you can't make the exhibitions there are lots of other ways to provide us with your feedback during the consultation period – all the information you need is contained in this newsletter.

We're looking forward to meeting you.

Alan Raymant
Chief Operating Officer
Horizon Nuclear Power



How to find out more about our proposals

Between 29 September and 8 December Horizon will be seeking your views at a number of exhibitions across Anglesey and North Wales. These exhibitions will give you the chance to view the plans in detail, meet the team, and let us know what you think – your views will help shape our proposals.

Public exhibitions

The dates and venues for the public exhibitions are as follows:

FRIDAY 3 OCTOBER
Cemaes Village Hall
High Street
Cemaes
2pm - 8pm

WEDNESDAY 8 OCTOBER
Llanfachraeth Village Hall
Mynydd yr Eithin
Llanfachraeth
2pm - 8pm

THURSDAY 9 OCTOBER
Ucheldre Centre
Mill Bank
Holyhead
2pm - 8pm

FRIDAY 10 OCTOBER
Rhosneigr Library
High Street
Rhosneigr
2pm - 8pm

SATURDAY 11 OCTOBER
The Coach House
The Bull Hotel
Bulkely Square
Llangefni
10am – 3pm

WEDNESDAY 29 OCTOBER
War Memorial Community Centre
Water Street
Menai Bridge
2pm - 8pm

THURSDAY 30 OCTOBER
Llandudno Town Hall
Lloyd St
Llandudno
2pm - 8pm

FRIDAY 31 OCTOBER
Celtic Royal Hotel
Bangor Street
Caernarfon
2pm - 8pm

SATURDAY 1 NOVEMBER
Penrhyn Hall
Ffordd Gwynedd
Bangor
10am – 3pm

THURSDAY 20 NOVEMBER
Wylfa Sports and Social Club
Tyn y Maes
Cemaes
2pm - 8pm

FRIDAY 21 NOVEMBER
Amlwch Agewell Centre
Memorial Hall
18 Market Street
Amlwch
2pm - 8pm



Information points

If you just want to pick up a copy of the consultation overview document and a feedback form, you can visit any of our information points.

For the duration of the consultation, you can visit information points at:

- Wylfa Information Centre
- Plas Arthur Leisure Centre, Llangefni

Information points will also be in the following venues for one week each:

WEEK COMMENCING
29 SEPTEMBER
Amlwch Library

WEEK COMMENCING
6 OCTOBER
Cemaes Library

WEEK COMMENCING
13 OCTOBER
Holyhead Library

WEEK COMMENCING
20 OCTOBER
Benllech Library

WEEK COMMENCING
27 OCTOBER
Bangor Library

WEEK COMMENCING
3 NOVEMBER
Caernarfon Library

WEEK COMMENCING
10 NOVEMBER
Conwy Library

WEEK COMMENCING
17 NOVEMBER
Porthmadog Leisure Centre

WEEK COMMENCING
24 NOVEMBER
Llanrwst Library

WEEK COMMENCING
1 DECEMBER
Conwy Business Centre

Opening times for the venues vary so please check with them in advance.

What are we consulting on?

We're consulting on the plans for a new nuclear power station at Wylfa, as outlined on page one.

Why are we consulting?

To build the power station we need to apply for a development consent order, granted by the Secretary of State for the Department of Energy and Climate Change. In our current plans we'll make this application in 2017.

Consultation is an important part of the planning and development process, and the Planning Act 2008 requires us to consult widely with the local community, local authorities, statutory bodies and others. We must also publicise our proposals widely to encourage people to participate. This process is called 'pre-application consultation' and must be carried out before the application for a development consent order can be accepted by the Planning Inspectorate on behalf of the Secretary of State.

How are we consulting?

We've produced a Statement of Community Consultation (SOCC) which outlines the way in which we are planning to consult with the community.

The SOCC can be downloaded from our website **www.horizonnuclearpower.com**, viewed at our public exhibitions or at the libraries and council offices listed on page four of this newsletter.

What happens next?

Once the consultation closes in December, we will consider your feedback and produce an Interim Consultation Report, outlining how we have taken it into account in developing our project.

A second round of community consultation is expected to take place towards the end of 2015 and we are planning to make our application for a development consent order in 2017.



From 29 September visit our website **www.horizonnuclearpower.com/consultation** to view all the information about the Wylfa Newydd Project, download consultation documents and submit your feedback.

Where to view all our consultation documents

If you would like to see the full set of documents but aren't able to attend one of our public exhibitions, you can view them at any of the following locations:

LIBRARIES ON ANGLESEY

Amlwch Library
Beaumaris Library
Benllech Library
Cemaes Library
Holyhead Library
Llangefni Library
Menai Bridge Library
Moelfre Library
Newborough Library
Rhosneigr Library

LIBRARIES IN GWYNEDD & CONWY

Abergele Library
Bangor Library
Bethesda Library
Blaenau Ffestiniog Library
Caernarfon Library
Colwyn Bay Library
Conwy Library
Deiniolen Library
Llanberis Library
Llandudno Library
Llanrwst Library
Nefyn Library
Penygroes Library
Porthmadog Library

COUNCIL OFFICES

ISLE OF ANGLESEY COUNTY COUNCIL OFFICES
Llangefni
Anglesey
LL77 7TW

GWYNEDD COUNCIL OFFICES
Castle Street
Caernarfon
Gwynedd
LL55 1SH

CONWY COUNTY BOROUGH COUNCIL
Bodlondeb
Conwy
LL32 8DU

Your Views Count

It's really important to us that you take part in our community consultation, which runs between 29 September and 8 December 2014.

There are a number of ways you can get involved:

- collect and complete a feedback form from one of our public exhibitions or information points and return it to us in the freepost envelope provided
- complete the online feedback form on our website: **www.horizonnuclearpower.com/consultation**
- complete a feedback form at a public exhibition.

You can also send us your feedback in the following ways:

- in writing to our freepost address **FREEPOST HORIZON NUCLEAR POWER CONSULTATION** and
- via email at **wylfaenquiries@horizonnuclearpower.com**

Please make sure you send us your feedback by 8 December 2014.



How to get in touch

CONTACT US: If you have any questions or feedback on the Wylfa Newydd Project you can contact us on our dedicated Wylfa Newydd Freephone hotline and email address, by calling 0800 954 9516 or emailing wylfaenquiries@horizonnuclearpower.com

If you're interested in working with us in the future as part of the supply chain, you can also contact us via suppliers@horizonnuclearpower.com

Your personal details will be processed and stored by Horizon Nuclear Power and its agents in accordance with the Data Protection Act 1998 to keep you updated with any information related to the proposed new nuclear power station at Wylfa.

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

RHIFYN 12 | MEDI 2014

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Newyddion i'r gymuned

Ein cynlluniau ar gyfer gorsaf bŵer niwclear newydd yn Wylfa

Yn y rhifyn

Tudalen 1
Ymgynghori cymunedol

Tudalen 2 a 3
Sut mae dysgu rhagor am ein cynigion

Tudalen 4
Mae eich safbwyntiau'n cyfri!

Ymgynghori Cymunedol – Mae Eich Safbwyntiau'n Cyfri!

Ddiwedd mis Medi byddwn ni'n rhannu rhagor o wybodaeth fanwl am Brosiect Wylfa Newydd â phobl ar draws Ynys Môn ac rydyn ni eisiau clywed eich barn chi.

Bydd yr orsaf bŵer yn dod â buddsoddiad gwerth biliynau o bunnoedd a miloedd o swyddi i'r rhanbarth yn ystod y cam adeiladu. Pan fydd y gwaith o gynhyrchu trydan yn dechrau, bydd hyd at 1,000 o bobl yn cael eu cyflogi yn y safle, gan ddarparu swyddi tymor hir o ansawdd uchel i bobl o'r gymuned leol.

Cynigir adeiladu Wylfa Newydd ar y tir wrth ymyl gorsaf bŵer bresennol Magnox a bydd yn cynnwys dau Adweithydd Dŵr Berwedig Uwch y DU (UK ABWR) gan Hitachi-GE Nuclear Energy Ltd. Yn ogystal â'r orsaf bŵer bydd angen i ni wneud datblygiadau cysylltiedig, gan gynnwys gwella'r ffordd ar hyd yr A5025, cyfleusterau parcio a theithio i weithwyr, canolfannau logisteg a llety i'r gweithwyr.

Byddwn ni hefyd yn ymgynghori ynghylch y gwaith mae angen i ni ei wneud ar y tir ac ar y môr ger Porth-y-Pistyll a'n syniadau cychwynnol ynghylch tirweddu o amgylch yr orsaf bŵer.

Ar wahân i'r gweithgareddau adeiladu, rydyn ni hefyd eisiau clywed eich barn am ein cynlluniau i helpu pobl leol i gael gafael ar hyfforddiant a datblygu sgiliau er mwyn gallu cymryd rhan yn ein prosiect, a gwybodaeth am gynigion ar gyfer cyfleusterau cymunedol, chwaraeon, hamdden ac adloniant.

O 29 Medi ymlaen, tarwch olwg ar **www.horizonnuclearpower.com/ymgynghoriad** i gael gweld ein cynigion yn fanwl.



Cynllun dangosol yr Orsaf Bŵer

Croeso

CROESO I'N DDEUDDEGFED RHIFYN O GYLCHLYTHYR WYLFA NEWYDD

29 Medi fydd dechrau cam cyntaf ein hymgynghoriad cymunedol ynghylch ein cynlluniau ar gyfer Wylfa Newydd – carreg filltir bwysig i dîm Pŵer Niwclear Horizon a chyfnod pwysig i gymuned Ynys Môn a thu hwnt.

Bydd sawl aelod o fy nhîm o amgylch Ynys Môn a Gogledd Cymru dros yr hydref, yn barod i drafod a deall beth sy'n bwysig i chi yng nghyswllt ein prosiect. Mae eich adborth chi'n bwysig dros ben er mwyn gallu datblygu ein cynlluniau ar gyfer Wylfa Newydd yn llwyddiannus, ac rydyn ni'n edrych ymlaen at eich gweld yn ein harddangosfeydd cyhoeddus.

Os allwch chi ddim dod i'r arddangosfeydd, mae nifer o ffyrdd eraill i chi gyflwyno eich adborth yn ystod y cyfnod ymgynghori – mae'r cylchlythyr hwn yn cynnwys yr holl wybodaeth sydd ei hangen arnoch chi.

Rydyn ni'n edrych ymlaen at gael cwrdd â chi.



Alan Raymant
Prif Swyddog Gweithredu
Pŵer Niwclear Horizon

Sut mae cael gwybod rhagor am ein cynigion

Rhwng 29 Medi a 8 Rhagfyr bydd Horizon yn gofyn am eich safbwyntiau mewn nifer o arddangosfeydd ar draws Ynys Môn a Gogledd Cymru. Bydd yr arddangosfeydd hyn yn rhoi'r cyfle i chi weld y cynlluniau'n fanwl, cwrdd â'r tîm a rhoi eich barn i ni – bydd eich safbwyntiau chi yn helpu i siapio ein cynigion.

Arddangosfeydd cyhoeddus

Dyma ddyddiadau a lleoliadau'r arddangosfeydd cyhoeddus:

DYDD GWENER 3 HYDREF
Neuadd Bentref Cemaes
Stryd Fawr
Cemaes
2pm - 8pm

DYDD MERCHER 8 HYDREF
Neuadd Bentref Llanfachraeth
Mynydd yr Eithin
Llanfachraeth
2pm - 8pm

DYDD IAU 9 HYDREF
Canolfan Ucheldre
Mill Bank
Caergybi
2pm - 8pm

DYDD GWENER 10 HYDREF
Llyfrgell Rhosneigr
Stryd Fawr
Rhosneigr
2pm - 8pm

DYDD SADWRN 11 HYDREF
The Coach House
Gwesty'r Bull
Sgwâr Bulkely
Llangefni
10am – 3pm

DYDD MERCHER 29 HYDREF
Canolfan Gymunedol Goffa'r Rhyfel
Stryd y Dŵr
Porthaethwy
2pm - 8pm

DYDD IAU 30 HYDREF
Neuadd y Dref Llandudno
Stryd Lloyd
Llandudno
2pm - 8pm

DYDD GWENER 31 HYDREF
Gwesty'r Celtic Royal
Stryd Bangor
Caernarfon
2pm - 8pm

DYDD SADWRN 1 TACHWEDD
Neuadd Penrhyn
Ffordd Gwynedd
Bangor
10am – 3pm

DYDD IAU 20 TACHWEDD
Clwb Cymdeithasol a Chwaraeon Wylfa
Tyn y Maes
Cemaes
2pm - 8pm

DYDD GWENER 21 TACHWEDD
Canolfan Agewell Amlwch
Y Neuadd Goffa
18 Stryd y Farchnad
Amlwch
2pm - 8pm



Pwyntiau gwybodaeth

Os mai dim ond eisiau dogfen trosolwg o'r ymgynghoriad a ffurflen adborth ydych chi, gallwch fynd draw i unrhyw un o'n pwyntiau gwybodaeth.

Dros gyfnod yr ymgynghoriad, gallwch fynd i'r pwyntiau gwybodaeth yn:

- Canolfan Wybodaeth Wylfa
- Canolfan Hamdden Plas Arthur, Llangefni

Bydd pwyntiau gwybodaeth hefyd ar gael yn y lleoliadau canlynol am wythnos yr un:

YR WYTHNOS YN DECHRAU AR
29 MEDI
Llyfrgell Amlwch

YR WYTHNOS YN DECHRAU AR
20 HYDREF
Llyfrgell Benllech

YR WYTHNOS YN DECHRAU AR
10 TACHWEDD
Llyfrgell Conwy

YR WYTHNOS YN DECHRAU AR
24 TACHWEDD
Llyfrgell Llanrwst

YR WYTHNOS YN DECHRAU AR
6 HYDREF
Llyfrgell Cemaes

YR WYTHNOS YN DECHRAU AR
27 HYDREF
Llyfrgell Bangor

YR WYTHNOS YN DECHRAU AR
17 TACHWEDD
Canolfan Hamdden Porthmadog

YR WYTHNOS YN DECHRAU AR
1 RHAGFYR
Canolfan Fusnes Conwy

YR WYTHNOS YN DECHRAU AR
13 HYDREF
Llyfrgell Caergybi

YR WYTHNOS YN DECHRAU AR
3 TACHWEDD
Llyfrgell Caernarfon

Bydd amseroedd agor y lleoliadau hyn yn amrywio, felly holwch y lleoliadau cyn mynd draw.

Beth ydyn ni'n ymgynghori yn ei gylch?

Rydyn ni'n ymgynghori ynghylch y cynlluniau ar gyfer gorsaf bŵer niwclear newydd yn Wylfa, fel sy'n cael ei amlinellu ar dudalen un.

Pam ydyn ni'n ymgynghori?

Er mwyn adeiladu'r orsaf bŵer mae angen i ni wneud cais am orchymyn cydsyniad datblygu, sy'n cael ei roi gan Ysgrifennydd Gwladol yr Adran Ynni a Newid Hinsawdd. Ein cynlluniau ar hyn o bryd yw y byddwn ni'n gwneud y cais hwn yn 2017.

Mae ymgynghori'n rhan bwysig o'r broses cynllunio a datblygu, ac mae Deddf Cynllunio 2008 yn mynnu ein bod yn ymgynghori'n helaeth â'r gymuned leol, awdurdodau lleol, cyrff statudol ac eraill. Rhaid i ni hefyd roi cyhoeddusrwydd yn eang i'n cynigion er mwyn annog pobl i gymryd rhan. 'Ymgynghoriad cyn ymgeisio' ydy'r enw ar y broses a rhaid gwneud hyn cyn i'r Arolygiaeth Gynllunio allu derbyn cais am orchymyn cydsyniad datblygu ar ran yr Ysgrifennydd Gwladol.

Sut ydyn ni'n ymgynghori?

Rydyn ni wedi cynhyrchu Datganiad o Ymgynghori Cymunedol sy'n amlinellu sut rydyn ni'n bwriadu ymgynghori â'r gymuned.

Mae modd llwytho'r Datganiad o Ymgynghori Cymunedol i lawr o **www.horizonnuclearpower.com**, gallwch ei ddarllen yn ein harddangosfeydd cyhoeddus neu yn y llyfrgelloedd a swyddfeydd y cyngor sydd wedi'u rhestru ar dudalen pedwar y cylchlythyr hwn.

Beth nesaf?

Pan ddaw'r ymgynghoriad i ben ym mis Rhagfyr, byddwn yn ystyried eich adborth ac yn cynhyrchu Adroddiad Ymgynghoriad Interim, yn amlinellu sut rydyn ni wedi ystyried eich adborth wrth ddatblygu ein prosiect.

Disgwylir y bydd ail rownd o ymgynghori cymunedol yn cael ei chynnal tua diwedd 2015 ac rydyn ni'n bwriadu cyflwyno ein cais am orchymyn cydsyniad datblygu yn 2017.







O 29 Medi ymlaen edrychwch ar ein gwefan **www.horizonnuclearpower.com/ymgynghoriad** i weld yr holl wybodaeth am Brosiect Wylfa Newydd, llwytho'r dogfennau ymgynghori i lawr a chyflwyno eich adborth.

Lle gallwch weld ein holl ddogfennau ymgynghori

Os hoffech chi weld y set lawn o ddogfennau ond allwch chi ddim dod i un o'n harddangosfeydd cyhoeddus, gallwch eu gweld yn y lleoliadau canlynol:

LLYFRGELLOEDD AR YNYS MÔN

Llyfrgell Amlwch
Llyfrgell Benllech
Llyfrgell Biwmares
Llyfrgell Caergybi
Llyfrgell Cemaes
Llyfrgell Llangefni
Llyfrgell Moelfre
Llyfrgell Niwbwrch
Llyfrgell Porthaethwy
Llyfrgell Rhosneigr

LLYFRGELLOEDD YNG NGWYNEDD A CHONWY

Llyfrgell Abergele
Llyfrgell Bae Colwyn
Llyfrgell Bangor
Llyfrgell Bethesda
Llyfrgell Blaenau Ffestiniog
Llyfrgell Caernarfon
Llyfrgell Conwy
Llyfrgell Deiniolen
Llyfrgell Llanberis
Llyfrgell Llandudno
Llyfrgell Llanwrst
Llyfrgell Nefyn
Llyfrgell Penygroes
Llyfrgell Porthmadog

SWYDDFEYDD Y CYNGOR

SWYDDFEYDD CYNGOR SIR YNYS MÔN
Llangefni
Ynys Môn
LL77 7TW

SWYDDFEYDD CYNGOR GWYNEDD
Stryd y Castell
Caernarfon
Gwynedd
LL55 1SH

CYNGOR BWRDEISTREF SIROL CONWY
Bodlondeb
Conwy
LL32 8DU

Mae Eich Safbwyntiau'n Cyfri!

Mae'n bwysig iawn i ni eich bod yn cymryd rhan yn ein hymgynghoriad cymunedol, a fydd ar agor rhwng 29 Medi a 8 Rhagfyr 2014.

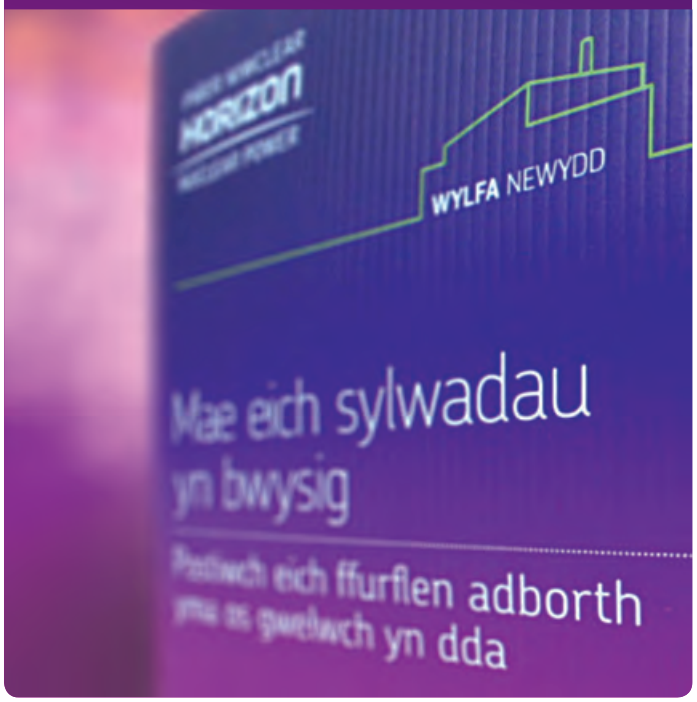
Mae sawl ffordd i chi gymryd rhan:

- casglwch a llenwi ffurflen adborth o un o'n harddangosfeydd cyhoeddus neu ein pwyntiau gwybodaeth a'i dychwelyd atom yn yr amlen radbost sy'n cael ei darparu
- llenwch y ffurflen adborth ar-lein ar ein gwefan: **www.horizonnuclearpower.com/ymgynghoriad**
- llenwch ffurflen adborth mewn arddangosfa gyhoeddus.

Gallwch hefyd anfon eich adborth drwy'r dulliau canlynol:

- yn ysgrifenedig i'n cyfeiriad rhadbost **FREEPOST HORIZON NUCLEAR POWER CONSULTATION** a
- drwy e-bost at: **ymholiadauwylfa@horizonnuclearpower.com**

Gwnewch yn siŵr eich bod yn anfon eich adborth erbyn 8 Rhagfyr 2014.



Sut i gysylltu

CYSYLLTWCH Â NI: Os oes gennych chi unrhyw gwestiynau neu adborth am Brosiect Wylfa Newydd gallwch chi gysylltu â ni ar ein llinell gymorth radffôn Wylfa Newydd arbennig a'n cyfeiriad e-bost, drwy ffonio 0800 954 9516 neu e-bostio ymholiadauwylfa@horizonnuclearpower.com

Os oes gennych chi ddiddordeb mewn gweithio gyda ni yn y dyfodol fel rhan o'r gadwyn gyflenwi, gallwch hefyd gysylltu â ni ar suppliers@horizonnuclearpower.com

Bydd eich manylion personol yn cael eu prosesu a'u storio gan Pŵer Niwclear Horizon a'i asiantau yn unol â Deddf Diogelu Data 1998 er mwyn eich diweddaru ag unrhyw wybodaeth sy'n ymwneud â'r orsaf bŵer niwclear newydd arfaethedig yn Wylfa.

Appendix A.6- List of consultation activities

1-1.1 Formal consultation activities 2014

1-1.1.1 The table below lists the formal (statutory) consultation activities that took place in 2014 in relation to the Project.

Event	Date
PAC1: PLG Meeting and stakeholder preview event	01 October 2014
PAC1 Public exhibition: Cemaes	03 October 2014
PAC1 Public exhibition: Llanfachraeth	08 October 2014
PAC1 Public exhibition: Holyhead	09 October 2014
PAC1 Public exhibition: Rhosneiger	10 October 2014
PAC1 Public exhibition: Llangefni	11 October 2014
PAC1 Drop in: RAF Valley	16 October 2014
PAC1 Drop in: IACC	21 October 2014
PAC1 Drop in: Beaumaris	22 October 2014
PAC1 Drop in : Llanfair PG	23 October 2014
PAC1 Public exhibition: Menai Bridge	29 October 2014
PAC1 Public exhibition: Llandudno	30 October 2014
PAC1 Public exhibition: Caernarfon	31 October 2014
PAC1 Public exhibition: Bangor	01 November 2014
PAC1 Drop in: Conwy County Borough Council	04 November 2014
PAC1 Drop in: Trawsfynydd	05 November 2014
PAC1 Drop in: Colwyn Bay	06 November 2014
PAC1 Drop in: Dolgellau Library	10 November 2014
PAC1 Drop in: Holyhead Job Centre	11 November 2014
PAC1 Drop in: Beaumaris Leisure Centre	12 November 2014
PAC1 Public exhibition: Wylfa Sport and Social Club	20 November 2014
PAC1 Public exhibition: Amlwch	21 November 2014
PAC1 Drop in: Gwynedd County Council Offices	25 November 2014
PAC1 Drop in: Bangor University	26 November 2014

Appendix A.7- Sample consultation materials (Eng and Cym)

Appendix A.7- PAC1 feedback form

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WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Wylfa Newydd Project Consultation
Feedback Form

This form is to provide feedback on Horizon Nuclear Power's plans for a new nuclear power station next to the existing Magnox power station at Wylfa on Anglesey in North Wales. Key information about our proposals can be found in the Consultation Overview Document and on our website: www.horizonnuclearpower.com/consultation.

Consultation with all interested parties has a vital role to play in helping shape our proposals and no matter what your opinion of our proposals may be, your views count. We would like to hear your feedback on our Wylfa Newydd Project, but if there are sections that you feel are more relevant to you and you only want to comment on these, please do so.

You can submit your feedback in the following ways:

- by putting this form in the **feedback box** at one of our consultation events
- by posting this form free of charge to: **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**
- by registering on our website **www.horizonnuclearpower.com/consultation** and completing the online form

This consultation is open from 29 September 2014 to 8 December 2014.
Please submit your feedback during this time.

Please note: Horizon Nuclear Power is not consulting on proposals for improvements needed to the electricity network as a result of a new power station at Wylfa. Consultation on these proposals is being conducted separately by the organisations responsible for them.

About you (Please complete this section in capital letters using blue or black ink):

Title: First name:

Surname:

Age group: ☐ under 25 ☐ 25 - 40 ☐ 41 - 60 ☐ over 60

Are you responding on behalf of an organisation: ☐ Yes ☐ No

If yes, organisation name:

Job title:

Address:

Post code:

Email address:

Data Protection Statement

The information that you provide will be shared by Horizon Nuclear Power Wylfa Limited with third party providers, contractors or advisors who provide services to us and used in connection with the subsequent planning applications for the Wylfa Newydd Project. Copies may be made available, in due course, to the relevant planning authority so it can note your comments. We will however, request that your personal details are not placed on public record. Your personal details will be held securely by Horizon Nuclear Power Wylfa Limited and those third party providers, contractors or advisors who provide services to us in accordance with the Data Protection Act 1998.

1) Do you have any general comments about the Project?

2) Do you have any comments about the way in which the consultation is being carried out?

3) Do you have any comments relating to the Preliminary Environmental Information Report presented by Horizon?

4) Do you have any comments on Horizon's coastal development proposals at Porth-y-pistyll and Wylfa Head, relating to the cooling water system (including breakwaters) and Marine Off-Loading Facility?

5) Do you have any comments on Horizon's indicative landscape proposal?

6) Do you have any comments or preferences on whether the Power Station buildings should be designed to blend in or make a striking architectural feature in the landscape?

7) Do you have any comments relating to skills and training and the promotion of local and regional employment?

8) Do you have any comments relating to Horizon's engagement with the supply chain and proposals for buying from local and regional suppliers and businesses?

9) Do you have any comments on Horizon's draft Integrated Traffic and Transport Strategy (ITTS) principles?

10) Do you have any comments on Horizon's sea transport proposals?

11) Do you have any comments on Horizon's road transport proposals?

12) Do you have any comments on the broad area of search or suggestions for sites Horizon could develop for park and ride facilities, logistics centres, or temporary worker accommodation?

13) Do you have any comments or suggestions for long-term legacy benefits or community facilities?

14) Do you have any additional comments on Horizon's Project proposals?

Thank you for completing this feedback form.

Following this consultation, we will be reviewing all the feedback we receive and using it, wherever possible, to shape the ongoing development of our proposals. A second phase of consultation is expected to take place towards the end of 2015 when we will be seeking views on more detailed proposals for the site.

If you have any questions about the Wylfa Newydd Project you can contact us at any time in the following ways:

- **by phone: 0800 954 9516**
- **by email: wylfaenquiries@horizonnuclearpower.com**
- **by freepost: FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

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HORIZON
NUCLEAR POWER

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Ymgynghoriad Prosiect Wylfa Newydd
Ffurflen Adborth

Mae'r ffurflen hon yn gyfle i chi roi adborth am gynlluniau Pŵer Niwclear Horizon ar gyfer gorsaf bŵer niwclear newydd wrth ymyl gorsaf bŵer bresennol Magnox yn Wylfa ar Ynys Môn yng Ngogledd Cymru. Mae gwybodaeth allweddol am ein cynigion ar gael yn y Ddogfen Trosolwg o'r Ymgynghoriad ac ar ein gwefan: www.horizonnuclearpower.com/ymgynghoriad

Mae ymgynghori â phawb sydd â diddordeb yn hollbwysig er mwyn helpu i siapio ein cynigion a dim ots beth ydy eich barn ynghylch ein cynigion, mae eich safbwyntiau'n cyfri. Hoffem glywed eich adborth am ein Prosiect Wylfa Newydd, ond os oes rhannau rydych chi'n meddwl sy'n fwy perthnasol i chi ac rydych chi eisiau rhoi sylwadau ar y rheini'n unig yna mae croeso i chi wneud hynny.

Gallwch gyflwyno eich adborth drwy'r dulliau canlynol:

- drwy roi'r ffurflen hon yn y **blwch adborth** yn un o'n digwyddiadau ymgynghori
- drwy bostio'r ffurflen hon am ddim i: **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**
- drwy gofrestru ar ein gwefan **www.horizonnuclearpower.com/ymgynghoriad** a llenwi'r ffurflen ar-lein

Mae'r ymgynghoriad hwn ar agor rhwng 29 Medi 2014 a 8 Rhagfyr 2014. Cyflwynwch eich adborth yn ystod y cyfnod hwn os gwelwch yn dda.

Cofiwch: Dydy Pŵer Niwclear Horizon ddim yn ymgynghori ar gynigion ar gyfer y gwelliannau sydd eu hangen i'r rhwydwaith trydan o ganlyniad i orsaf bŵer newydd yn Wylfa. Mae ymgynghoriad arall yn cael ei gynnal ar y cynigion hyn gan y sefydliadau sy'n gyfrifol amdanyn nhw.

Amdanoch chi (Llenwch yr adran hon mewn priflythrennau gan ddefnyddio inc du neu las):

Teitl: Enw cyntaf:

Cyfenw:

Grŵp oed: ☐ dan 25 ☐ 25 - 40 ☐ 41 - 60 ☐ dros 60

Ydych chi'n ymateb ar ran sefydliad: ☐ Ydw ☐ Nac ydw

Os ydych chi, beth ydy enw'r sefydliad:

Teitl swydd:

Cyfeiriad:

Cod post:

Cyfeiriad e-bost:

Datganiad Diogelu Data:

Bydd y wybodaeth rydych chi'n ei rhoi yn cael ei rhannu gan Pŵer Niwclear Horizon Wylfa Cyfyngedig â darparwyr, contractwyr neu gynghorwyr trydydd parti sy'n darparu gwasanaethau i ni ac yn cael ei defnyddio ar y cyd gyda'r ceisiadau cynllunio dilynol ar gyfer Prosiect Wylfa Newydd. Efallai bydd copïau'n cael eu darparu, maes o law, i'r awdurdod cynllunio perthnasol er mwyn iddo allu nodi eich sylwadau. Serch hynny, byddwn yn gofyn iddo beidio â rhoi eich manylion personol ar gofnod cyhoeddus. Bydd eich manylion personol yn cael eu cadw'n ddiogel gan Pŵer Niwclear Horizon Wylfa Cyfyngedig a'r darparwyr, y contractwyr neu'r cynghorwyr trydydd parti hynny sy'n darparu gwasanaethau i ni yn unol â Deddf Diogelu Data 1998.

1) Oes gennych chi unrhyw sylwadau cyffredinol ar y Prosiect?

2) Oes gennych chi unrhyw sylwadau ar y ffordd mae'r ymgynghoriad yn cael ei gynnal?

3) Oes gennych chi unrhyw sylwadau sy'n ymwneud â'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a gyflwynwyd gan Horizon?

4) Oes gennych chi unrhyw sylwadau ar gynigion datblygu arfordirol Horizon ym Mhorth-y-pistyll a Thrwyn Wylfa, sy'n ymwneud â'r system dŵr oeri (gan gynnwys y morgloddiau) a'r Cyfleuster Dadlwytho Morol?

5) Oes gennych chi unrhyw sylwadau ar gynnig tirweddu dangosol Horizon?

6) A ydych chi'n meddwl y dylid dylunio adeiladau'r Orsaf Bŵer i weddu i'r dirwedd neu a ddylen nhw fod yn nodwedd bensaernïol amlwg yn y dirwedd, neu a oes gennych chi unrhyw sylwadau ynghylch hyn?

7) Oes gennych chi unrhyw sylwadau sy'n ymwneud â sgiliau a hyfforddiant a hybu cyflogaeth leol a rhanbarthol?

8) Oes gennych chi unrhyw sylwadau ynghylch ymgysylltiad Horizon â'r gadwyn gyflenwi a chynigion ar gyfer prynu gan fusnesau a chyflenwyr lleol a rhanbarthol?

9) Oes gennych chi unrhyw sylwadau ar egwyddorion Strategaeth Traffig a Thrafnidiaeth Integredig drafft (STTI) Horizon?

10) Oes gennych chi unrhyw sylwadau ar gynigion trafnidiaeth môr Horizon?

11) Oes gennych chi unrhyw sylwadau ar gynigion trafnidiaeth ffyrdd Horizon?

12) Oes gennych chi unrhyw sylwadau ar yr ardal chwilio fawr neu awgrymiadau ar gyfer safleoedd gallai Horizon eu datblygu ar gyfer cyfleusterau parcio a theithio, canolfannau logisteg neu lety gweithwyr dros dro?

13) Oes gennych chi unrhyw sylwadau neu awgrymiadau ar gyfer manteision tymor hir i'r dyfodol neu gyfleusterau cymunedol?

14) Oes gennych chi unrhyw sylwadau ychwanegol ar gynigion Prosiect Horizon?

Diolch i chi am lenwi'r ffurflen adborth hon.

Ar ôl yr ymgynghoriad hwn, byddwn ni'n adolygu'r holl adborth a gawn a byddwn yn ei ddefnyddio, pan fydd hynny'n bosibl, i siapio datblygiad parhaus ein cynigion. Disgwylir y bydd ail gam o ymgynghori yn cael ei gynnal tua diwedd 2015 pan fyddwn yn gofyn am safbwyntiau ar gynigion manylach ar gyfer y safle.

Os oes gennych chi unrhyw gwestiynau am Brosiect Wylfa Newydd gallwch chi gysylltu â ni unrhyw bryd drwy'r dulliau canlynol:

- **dros y ffôn: 0800 954 9516**
- **drwy e-bost: ymholiadauwylfa@horizonnuclearpower.com**
- **drwy radbost: FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

Appendix A.7- Consultation Overview Document

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WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Wylfa Newydd Project
Pre-Application Consultation - Stage One

Consultation Overview Document





Aerial photo including the Power Station Site and the existing Magnox power station

© Horizon Nuclear Power Wylfa Limited

Foreword from Alan Raymant

Anglesey has a proud industrial history, including nuclear power generation for the last 40 years. We want to build on this heritage and are proposing a multi-billion pound investment in a new power station, using the latest generation of nuclear technology. This will play a key role in meeting the UK's need for a cleaner energy future.

This is the first stage of public consultation on our Wylfa Newydd Project and builds on the dialogue we have worked hard to develop with the local community in recent years. Our Wylfa Newydd Project will bring significant investment to Anglesey and North-West Wales. We will create many thousands of construction jobs, which could reach 8,500 during peak periods at the Power Station Site, as well as creating and supporting further employment and supply chain opportunities in support services and industries, helping to secure Anglesey's long-term economic future. We are keen to understand your thoughts as we develop our proposals.

We want to provide a consultation that is meaningful, inclusive and clear and we encourage you to take part in the consultation process. Your views count.

We are also committed to working with you to understand the potential impacts of the Project and consider ways in which we can manage these effects and create benefits for the community.

In this document we outline our specific proposals and ask a number of questions about particular elements of the Project where your comments could have a real impact. We want to know what you like about our proposals and what you think could be done differently.

We're pleased to have reached the point of formal consultation with the community and we're looking forward to hearing your views.

[redacted]

Alan Raymant

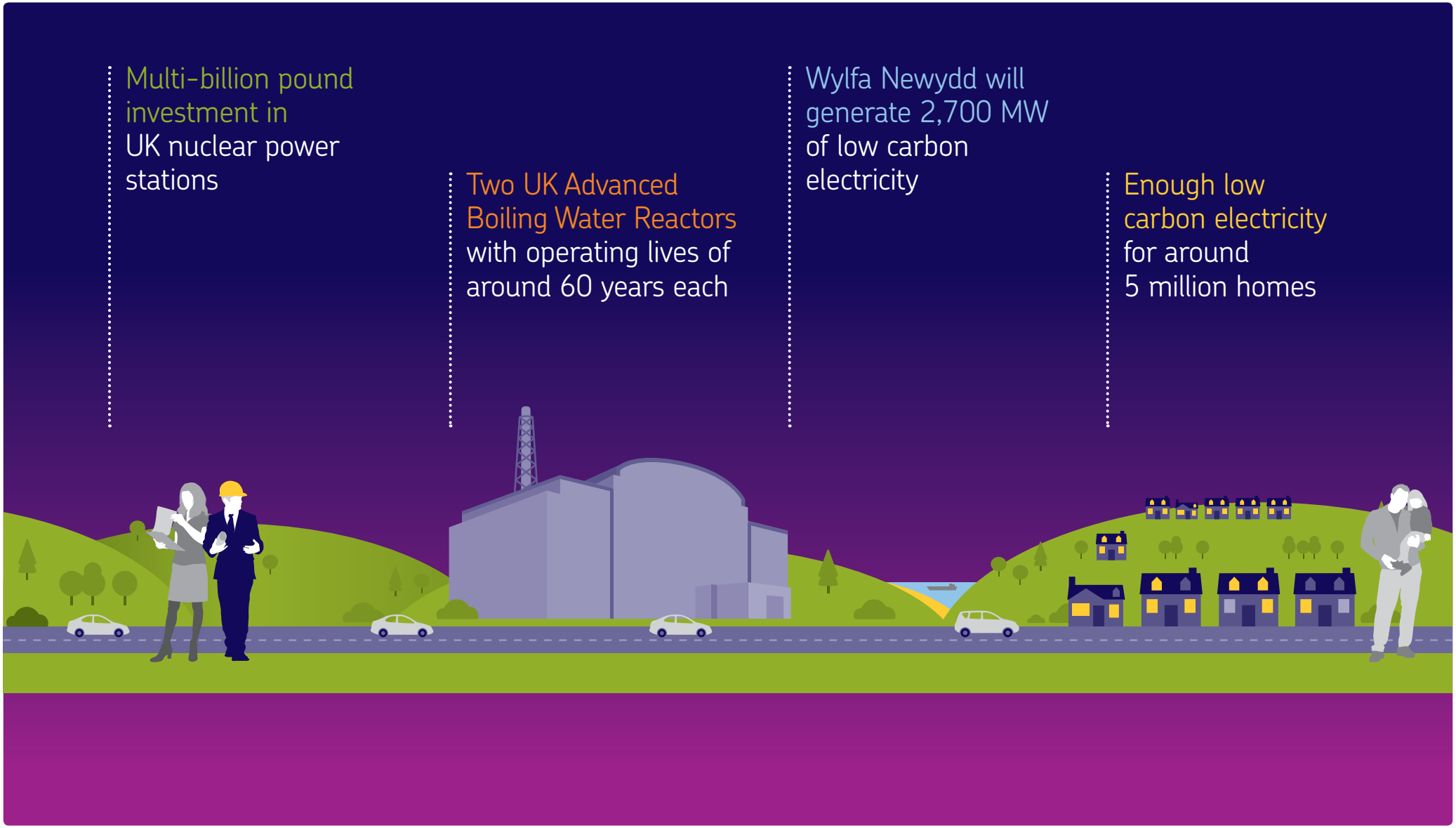
Chief Operating Officer
Horizon Nuclear Power



OUR VISION

We believe there is a compelling requirement for new nuclear power in the UK to help tackle the vital and complex challenge of delivering a sustainable energy future. Horizon will deliver secure, affordable, low carbon energy for present and future generations.

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MORE INFORMATION

This is an overview of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document for our Project. We've listed the important documents that are available during this consultation on page 36 and you can download copies of these from our website at: **www.horizonnuclearpower.com/consultation.**

We've included notes throughout this document, like this one, to let you know where you can find more information about particular topics.

PLEASE LOOK OUT FOR THESE ICONS THROUGHOUT THIS DOCUMENT

QUESTION

We have included our consultation questions about elements of the Project where your input could be particularly helpful. The question mark indicates when to refer to the feedback form, enclosed with this document.

MORE INFORMATION

This indicates more detailed information about the Project.

FURTHER READING

This indicates where and how further reading about the Project can be accessed.

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Project overview

We are planning to construct and operate a new nuclear power station at Wylfa, to the west of Cemaes, and immediately south of the existing Magnox power station. Our project will not only provide secure low carbon electricity for many decades, but will create significant long-term employment opportunities and economic benefits for Anglesey and North Wales.

OUR PROJECT

This overview is about the **Wylfa Newydd Project** (or Project) as a whole, which includes the **Power Station** and **Associated Development.**

The Power Station

The Power Station is the proposed new nuclear power station including two UK Advanced Boiling Water Reactors (UK ABWR) to be supplied by Hitachi-GE Nuclear Energy, Ltd, associated plant and ancillary structures and features to be constructed and operated at Wylfa. See 'The Power Station' section of this document beginning on page 11 for more information.

Associated Development

Associated Development supports delivery of the Power Station. This will include such works as highway improvements along the A5025, park and ride facilities for workers, at least one logistics centre and off-site temporary worker accommodation. See the 'Meeting Transport and Construction Workforce Requirements' section of this document beginning on page 25 for more information.

Specific information on the construction activities that need to take place both on the land and in the water near the Porth-y-pistyll coastline, including a cooling water system and marine off-loading facility, as well as our initial ideas on landscaping and contouring the land around the Power Station, is provided in this document.

We have also included information on our proposals to help local people understand what skills they will need to become involved in our Project, as well as information on potential proposals and opportunities for community facilities, sports and leisure and recreation.

We have three areas that we use when referring to the Project:

- **Power Station Site** – the indicative area of land and sea within which the majority of the permanent Power Station buildings, plant and structures would be situated.
- **Wylfa Newydd Development Area** – the indicative area of land including the Power Station Site and the surrounding areas that would be used for the construction and operation of the Power Station.
- **Wylfa NPS Site** – the Government has issued a National Policy Statement (NPS) regarding a small number of sites in the UK suitable for the development of a new nuclear power station. The area identified at Wylfa is known as the Wylfa NPS Site.

The Isle of Anglesey County Council has published planning guidance which we will consider in developing our Project proposals. This guidance includes the Council's vision for the Project to be *"a positive driver for the transformation of the economy and communities on Anglesey, providing sustainable employment opportunities, improving the quality of life for existing and future generations and enhancing local identity and distinctiveness."*

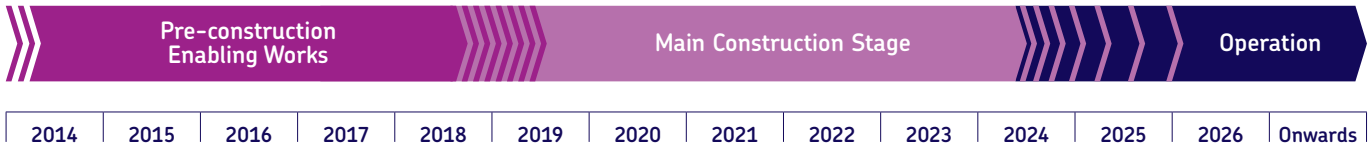


Figure 1: Proposed timeline and phasing of the Wylfa Newydd Project

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QUESTION 1

Do you have any general comments about the Project?

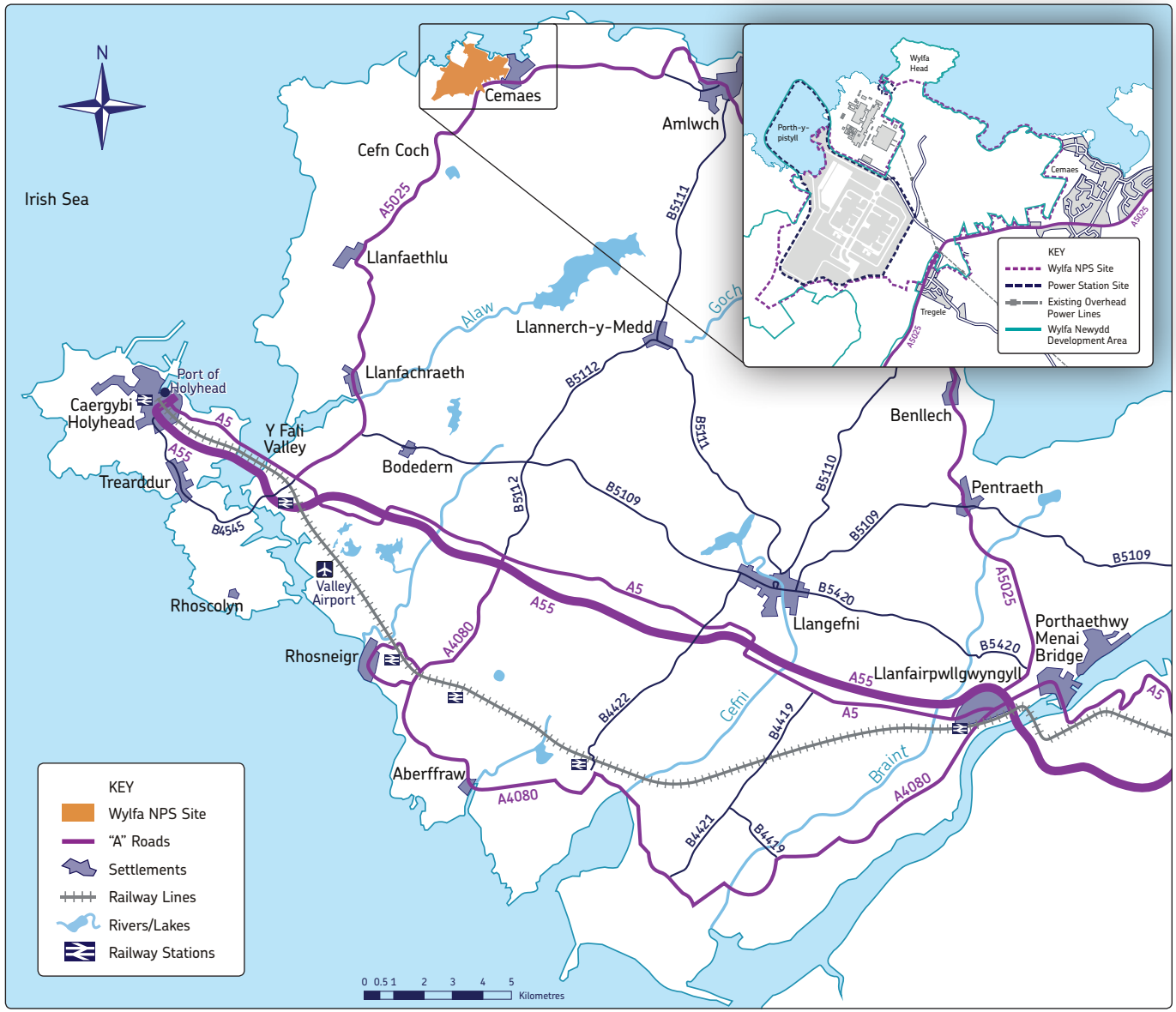


Figure 2: Power Station location

PROCESS FOR PROJECT APPROVAL

The UK faces significant energy challenges in the coming years, requiring substantial investment in new technologies and infrastructure as it moves towards reducing carbon emissions and the use of alternative forms of energy. National planning policy makes a clear commitment to the delivery of low carbon energy generation to help maintain secure energy supplies for the UK, whilst tackling climate change.

The Government considers nuclear power will have an important role in meeting these challenges, and has identified the Wylfa NPS Site on Anglesey as a potentially suitable site for a new nuclear power station.

The Planning Act 2008 provides the legal framework for consenting 'nationally significant infrastructure projects' such as nuclear power stations. A key authorisation that we need to build the Power Station is a development consent order, granted by the Secretary of State for Energy and Climate Change. We plan to make an application for the development consent order for the Power Station in 2017.

Nuclear power is a highly regulated industry and a nuclear site licence will be required to install and operate the Power Station. Various other licences and permits will be required, including planning permissions, marine licences and environmental permits.

FURTHER READING

More information on how the Wylfa NPS Site and seven other sites were determined to be potentially suitable for nuclear power generation is available in a National Policy Statement that can be found at: www.gov.uk/government/publications/national-policy-statements-for-energy-infrastructure

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This consultation

The Planning Act 2008 requires the promoter of a nationally significant infrastructure project to undertake pre-application consultation before making an application for a development consent order. In this case, Horizon is the promoter and our Power Station is the nationally significant infrastructure project. We anticipate that this is the first of a two-stage pre-application process about our Project.

DOCUMENTS AVAILABLE FOR CONSULTATION

The documents available for this consultation vary in the level of technical information provided, as shown in Figure 3. They are available for downloading at: **www.horizonnuclearpower.com/consultation**.

NEXT STEPS

After this first stage of consultation, we will further develop our Project proposals. We intend to keep you informed about the way your comments have been considered. We plan to do this using our established engagement processes, such as Project Liaison Group meetings, newsletters and monthly open surgeries. Our second stage of consultation with you is envisaged to be towards the end of 2015.

We will produce an Interim Consultation Report that will accompany our Stage Two pre-application consultation, outlining the relevant responses that we've received and how we have taken them into account in developing the Project.

QUESTION 2

Do you have any comments about the way in which the consultation is being carried out?

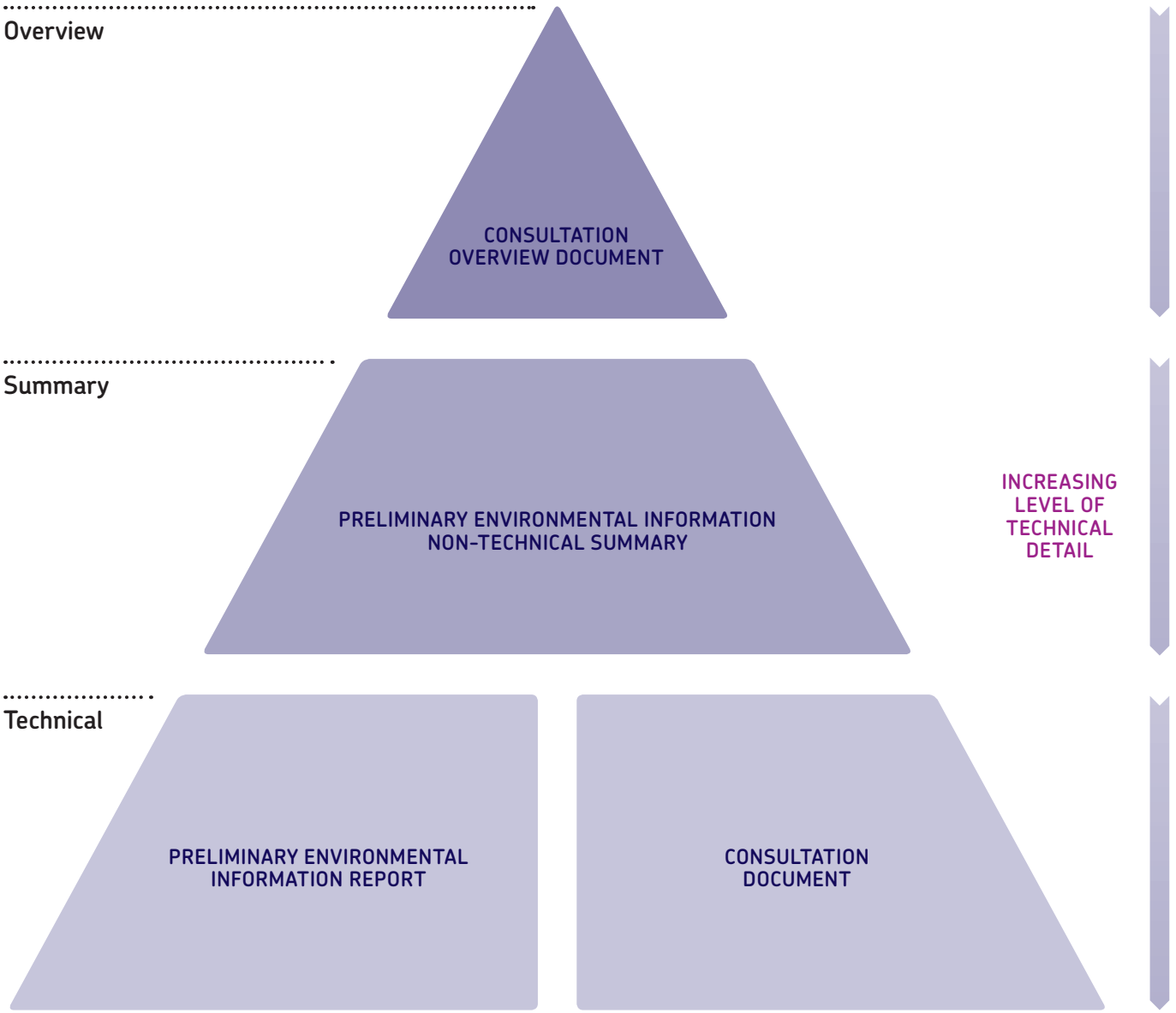


Figure 3: Stage One pre-application consultation materials

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SCOPE TO INFLUENCE THE PROJECT

It is important to understand that we are not consulting on the principle of nuclear power or the suitability of our site for a new nuclear power station as the acceptability of both matters has already been established by the Government. Rather, we are consulting on our specific proposals for the Project.

We have sought to identify your scope to influence the Project, which differs according to the amount of progress that we have made developing the various elements of our Project proposals. More information regarding your scope to influence individual elements of the Project can be found in Chapters 6, 8, 9, 10 and 11 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document. Generally, our consultation questions relate to elements where options exist, giving you the greatest ability to influence the Project.

Your feedback is important to us as we develop our proposals. We will take your views into account alongside our own assessments, contributing to future Project proposals.

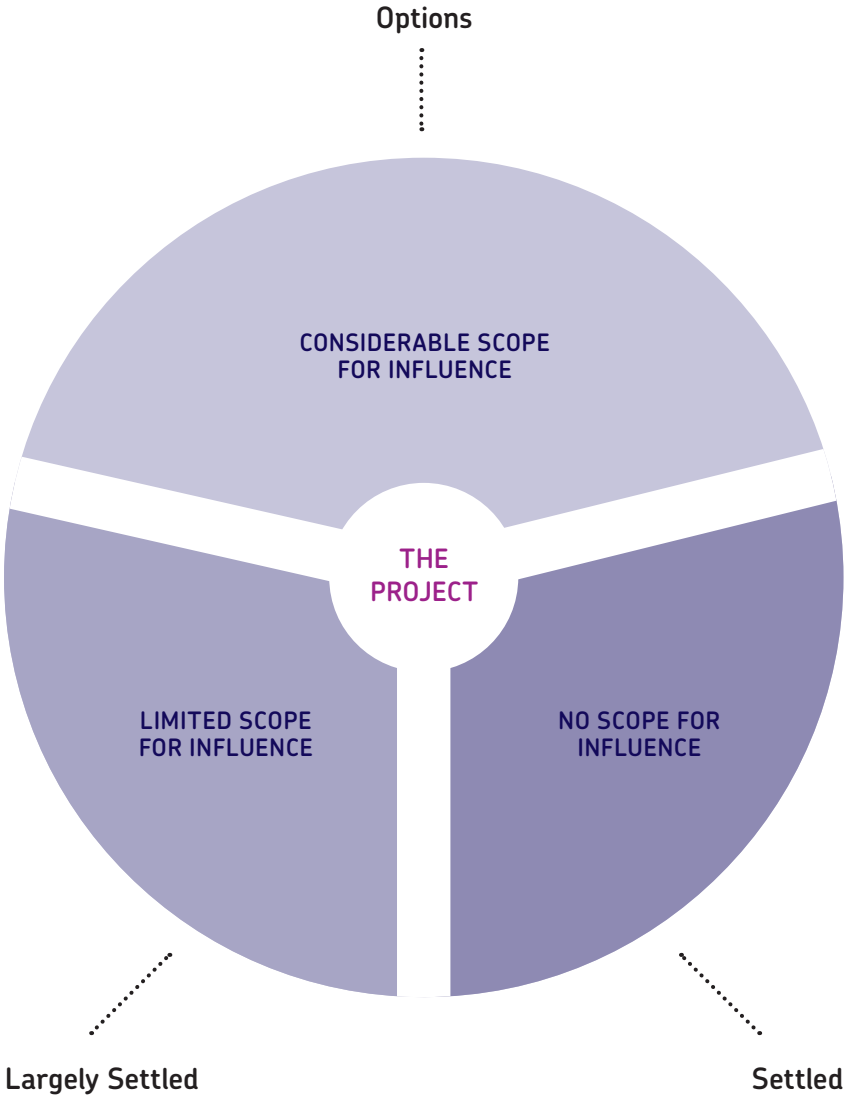


Figure 4: Scope for influencing the Project

CONSIDERABLE SCOPE FOR INFLUENCE

Examples include:

- different approaches to architecture
- preferences for landscaping
- types of recreational routes
- sites for Associated Development
- opportunities for legacy benefits

LIMITED SCOPE FOR INFLUENCE

We have already reached a preferred approach for these elements of the Project. As such, some changes can occur but they will mainly be the result of detailed survey findings and further design work and engagement with regulators. Examples include:

- general layout of the Power Station
- overall programme of the Project

NO SCOPE FOR INFLUENCE

These elements of the Project will not change. Examples include:

- use of the UK ABWR reactor technology
- building the Power Station at the Wylfa NPS Site

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Environmental overview

LOCAL ENVIRONMENT

In addition to the settlements of Cemaes and Tregele, the land around the Wylfa Newydd Development Area includes small clusters of residential dwellings and farmsteads. The landscape in the area is characterised by small rounded hills (known as drumlins) along with settlements and local roads. The exposed weathered coastlines of the Irish Sea form prominent features.

Land in the area is generally managed as grazing pasture, contained by hedgerows and crossed by a network of roads, rural lanes, watercourses and overhead power lines. Much of the land surrounding the Wylfa Newydd Development Area is designated as an Area of Outstanding Natural Beauty, parts of which coincide with sections of the North Anglesey Heritage Coast. As shown in Figure 5, other designated features nearby include:

- Tre'r Gof and Cae Gwyn Sites of Special Scientific Interest
- Ynys Feurig, Cemlyn Bay and The Skerries Special Protection Area
- Cemlyn Bay Special Area of Conservation
- Grade II listed Cestyll Garden, also a Registered Park and Garden of Special Historic Interest in Wales
- Large areas of land locally designated as a Special Landscape Area

A number of public rights of way, including the Wales Coast Path and the Copper Trail, are located within the Wylfa Newydd Development Area.

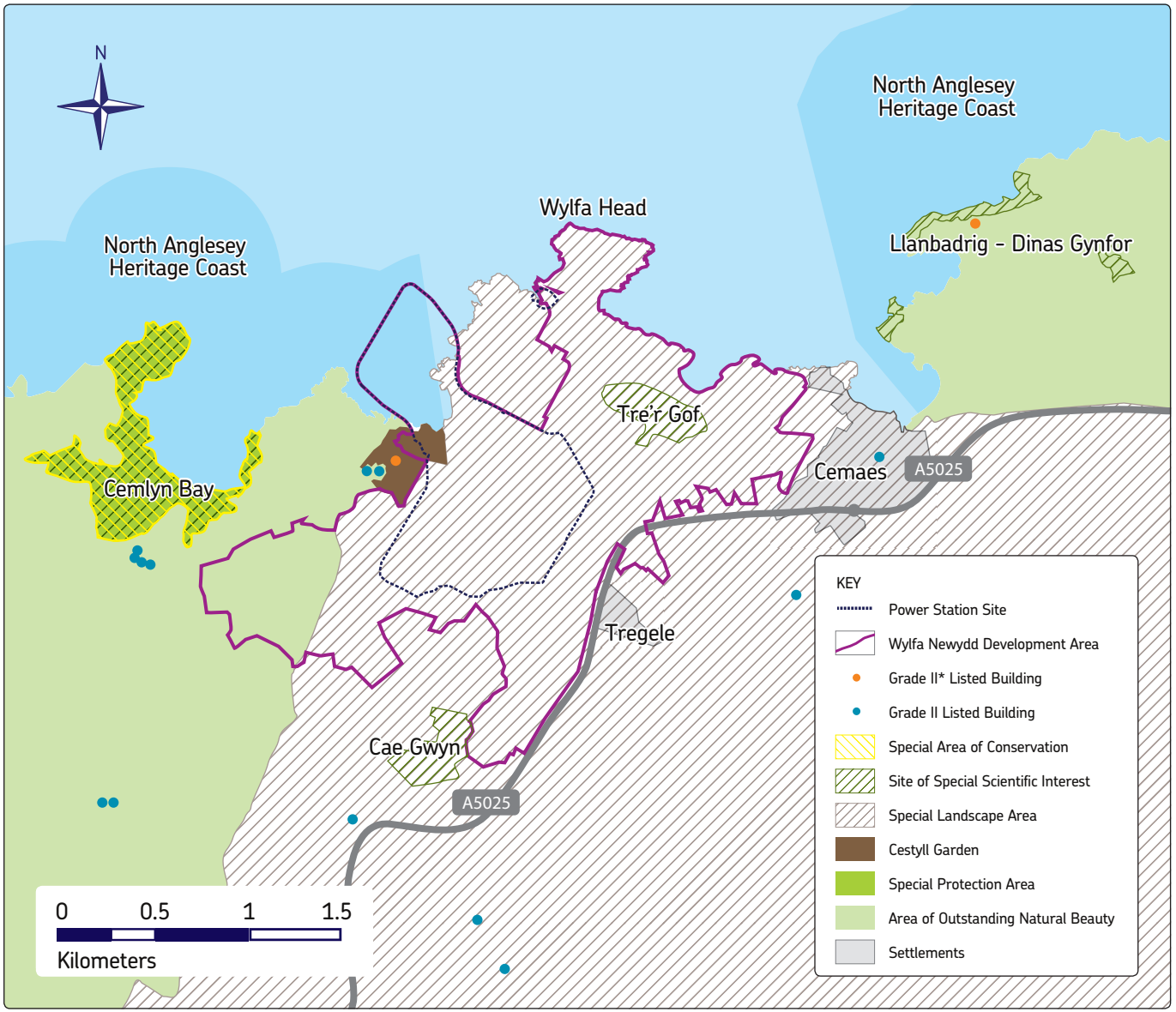


Figure 5: Local environment - Key designations

© Horizon Nuclear Power Wylfa Limited

ENVIRONMENTAL IMPACT ASSESSMENT

In order to understand the likely effects on the existing environment, we will undertake an environmental impact assessment of our Project.

While the Project has not yet reached the stage where a detailed environmental impact assessment can be carried out, we have prepared the Wylfa Newydd Project Pre-Application Consultation – Stage One Preliminary Environmental Information Report that sets out the environmental topics that we plan to address, information about the existing environmental conditions, and the potential environmental impacts of the Project. Our current expectation is that the Project would have potential impacts on socio-economics, recreation, traffic and transport, noise, air quality, soils, hydrology, ecology, tides and sea currents and existing views. The Preliminary Environment Information Report also provides an indication of measures that could reduce or manage potential adverse impacts that we have identified, or offer enhancement of potential beneficial impacts.



View looking across part of the Power Station Site

YOUR VIEWS

We welcome your views on mitigation measures that you think would help reduce and offset likely adverse effects of construction and operation of the Power Station.

QUESTION 3

Do you have any comments relating to the Preliminary Environmental Information Report presented by Horizon?

MORE INFORMATION

You can read more about the potential impacts that our Project may have on the environment in the Wylfa Newydd Project Pre-Application Consultation – Stage One Preliminary Environmental Information Report and accompanying Non-Technical Summary. Both of these documents can be downloaded from www.horizonnuclearpower.com/consultation.

SUPPORTING ASSESSMENTS

IMPACT ASSESSMENT OF THE PROJECT ON WELSH LANGUAGE AND CULTURE

We recognise the importance of the Welsh language and culture and have commissioned a Language Impact Assessment to identify any positive or potentially negative effects of the Project on the Welsh language and culture and, if needed, appropriate measures for mitigation and improvement. A scoping report has been prepared which sets out the methodology of our upcoming assessment. We are currently reviewing this scoping report with the Isle of Anglesey County Council and key stakeholders.

HEALTH IMPACT ASSESSMENT

We have commissioned a Health Impact Assessment, which will consider the potential impacts of the Project on health and wellbeing in the community. A scoping report has been prepared to set out our proposed methodology for the assessment and we are reviewing this with the Isle of Anglesey County Council and key stakeholders.

SUSTAINABILITY ASSESSMENT

We recognise the importance of sustainability. We have prepared a scoping report that sets out our objectives for sustainable development. We plan to periodically review our Project against these objectives to help check that we're working towards a sustainable construction and operation. Our scoping report is being reviewed with the Isle of Anglesey County Council and key stakeholders.

Although they are not being formally consulted upon, these scoping reports are available on our website: **www.horizonnuclearpower.com/consultation.** The assessments will form part of our application for a development consent order for the Power Station.

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The Power Station

PROJECT LOCATION AND COMPONENTS

The majority of the Power Station buildings will be located in the area referred to as the Power Station Site, indicated in Figure 6.

We estimate that the operational Power Station will only need about 80-90 hectares of land rather than the whole of the Wylfa NPS Site. The Power Station Site includes parts of the relatively sheltered waters of Porth-y-pistyll, south-west of the existing Magnox power station. The two nuclear reactors, cooling water intake/pumphouse, breakwaters and outfall structures, as well as other ancillary structures will be situated within the Power Station Site.

An indicative area for the Wylfa Newydd Development Area is also shown on Figure 6 and includes the Power Station Site and the surrounding areas that will be used for the construction and operation of the Power Station. This will give us enough space to store plant, machinery and materials that will be needed for construction works as well as a number of temporary buildings to provide office, storage and welfare facilities for construction workers. The Wylfa Gateway Complex is within this area and will contain alternative premises for a number of facilities that we need to relocate during our Enabling Works, including the Wylfa Sports and Social Club. The Wylfa Gateway Complex is also the preferred location for our visitor centre. We may also locate some temporary worker accommodation within the Wylfa Newydd Development Area.

Some areas of land needed for the Project are yet to be identified but would be outside the Wylfa Newydd Development Area and are referred to as 'off-site'. These areas are expected to be needed for the development of off-site temporary worker accommodation (see page 31), highways improvements (see page 28) along with other transport initiatives such as park and ride facilities and at least one logistics centre (see page 32).

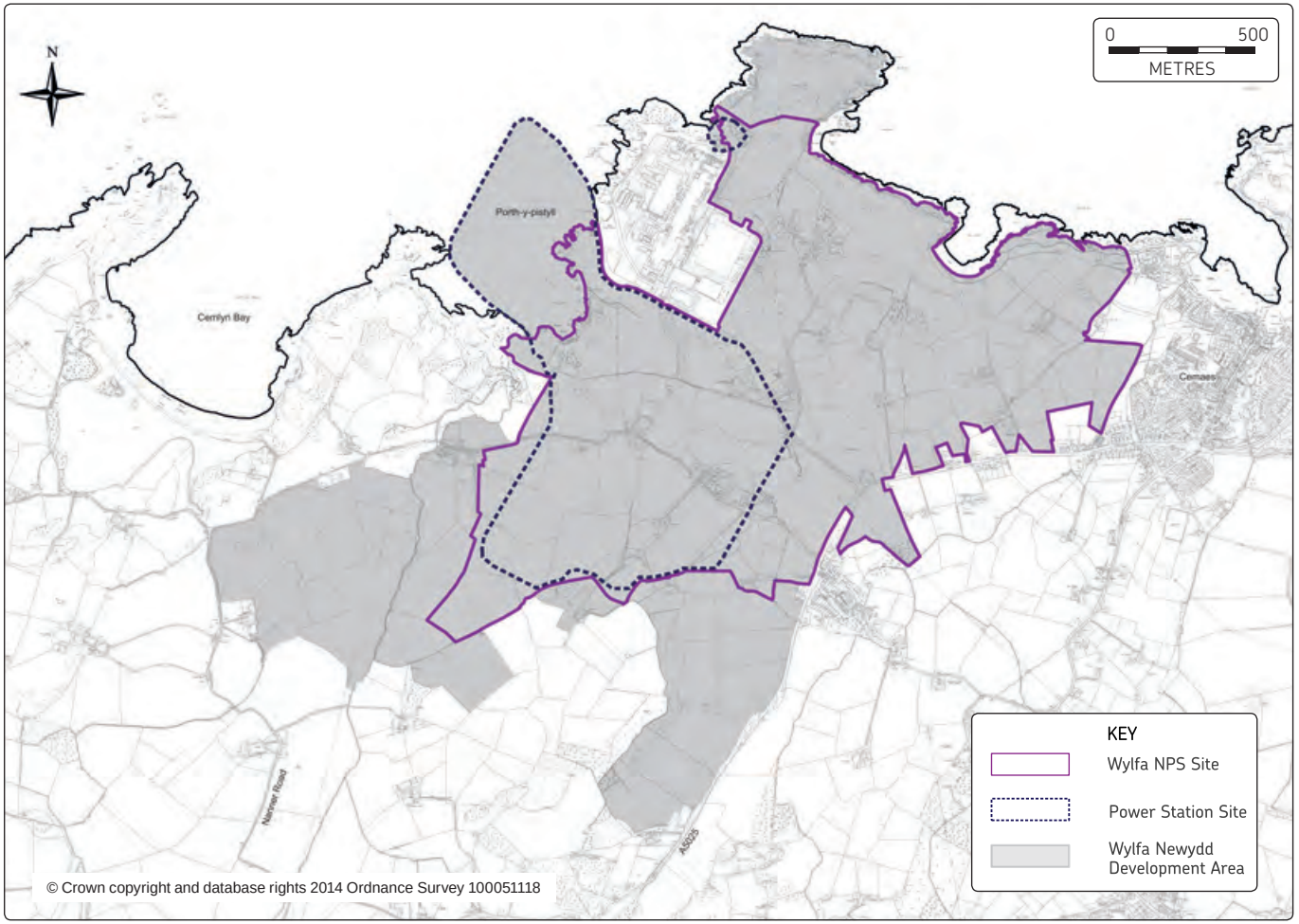


Figure 6: Geographic areas of the Project

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POWER STATION CONFIGURATION

The Power Station will generate electricity using two UK ABWR nuclear reactors supplied by Hitachi-GE Nuclear Energy, Ltd. An indicative layout of the Power Station is provided in Figure 7.

The operational layout of the Power Station is largely determined by the reactor technology to be used. This is assessed by the Office for Nuclear Regulation, Natural Resources Wales and the Environment Agency.

We also have to develop some facilities that are physically separate from but local to and part of the Power Station, such as an alternate emergency control facility for the Power Station and garages to store specialist vehicles. For most of the facilities we expect to be located outside of an identified emergency zone but close enough to the Power Station Site to limit the travel time between the emergency facilities and the Power Station Site. Generally, we expect that this distance is between 1.5km and 5km away, with easy access to main roads.

We are particularly keen to receive feedback on elements of the Power Station that are at the options stage, including the layout of our proposed coastal development and the location of temporary interim storage of radioactive waste and spent fuel, for which we provide additional information in the following pages.

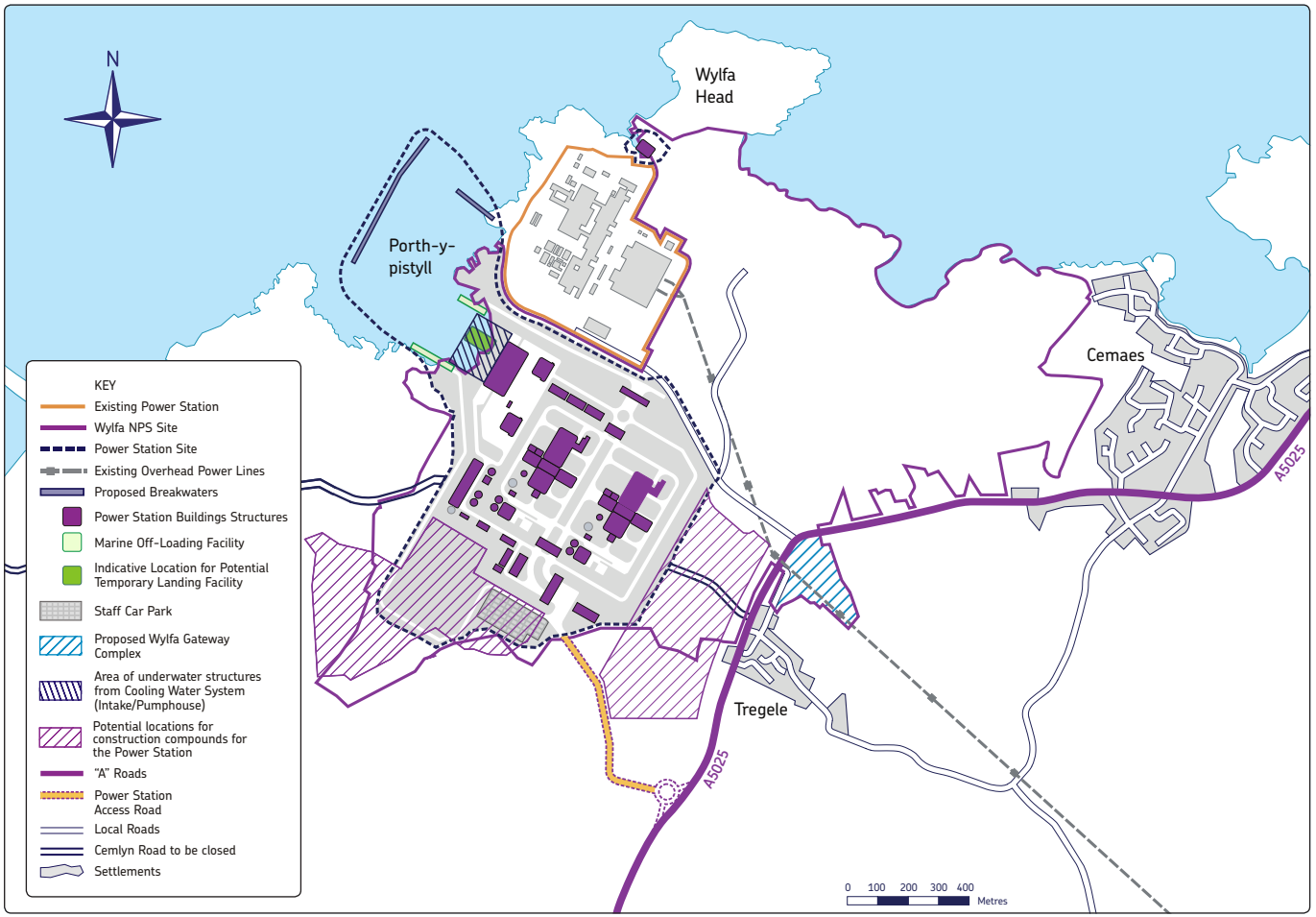


Figure 7: Indicative distribution of Project components - Power Station Site and surroundings

FURTHER READING

You can read more about the Power Station and how a nuclear power station works in Chapter 6 and Appendix A of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.

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The Power Station

COASTAL DEVELOPMENT

Cooling Water System

We plan to use the Irish Sea as the water source for the Power Station cooling water system, similar to current arrangements at the existing Magnox power station. The cooling water system needs the following parts:

- An intake structure, which will draw water in from the Irish Sea
- A pumphouse, to distribute the water through the cooling water pipes within the Power Station
- Underground tunnels, to carry seawater away from the Power Station to the outfall structure
- An outfall structure, to discharge cooling water back to the Irish Sea

Intake for cooling water system

We have identified Porth-y-pistyll as the location for the intake structure. The coastline here already offers some protection from wave action and we need to build two breakwater structures to increase this protection and ensure a suitable wave climate at the cooling water intake. The indicative layout of the coastal development at Porth-y-pistyll, including the breakwaters, is shown in Figure 8.

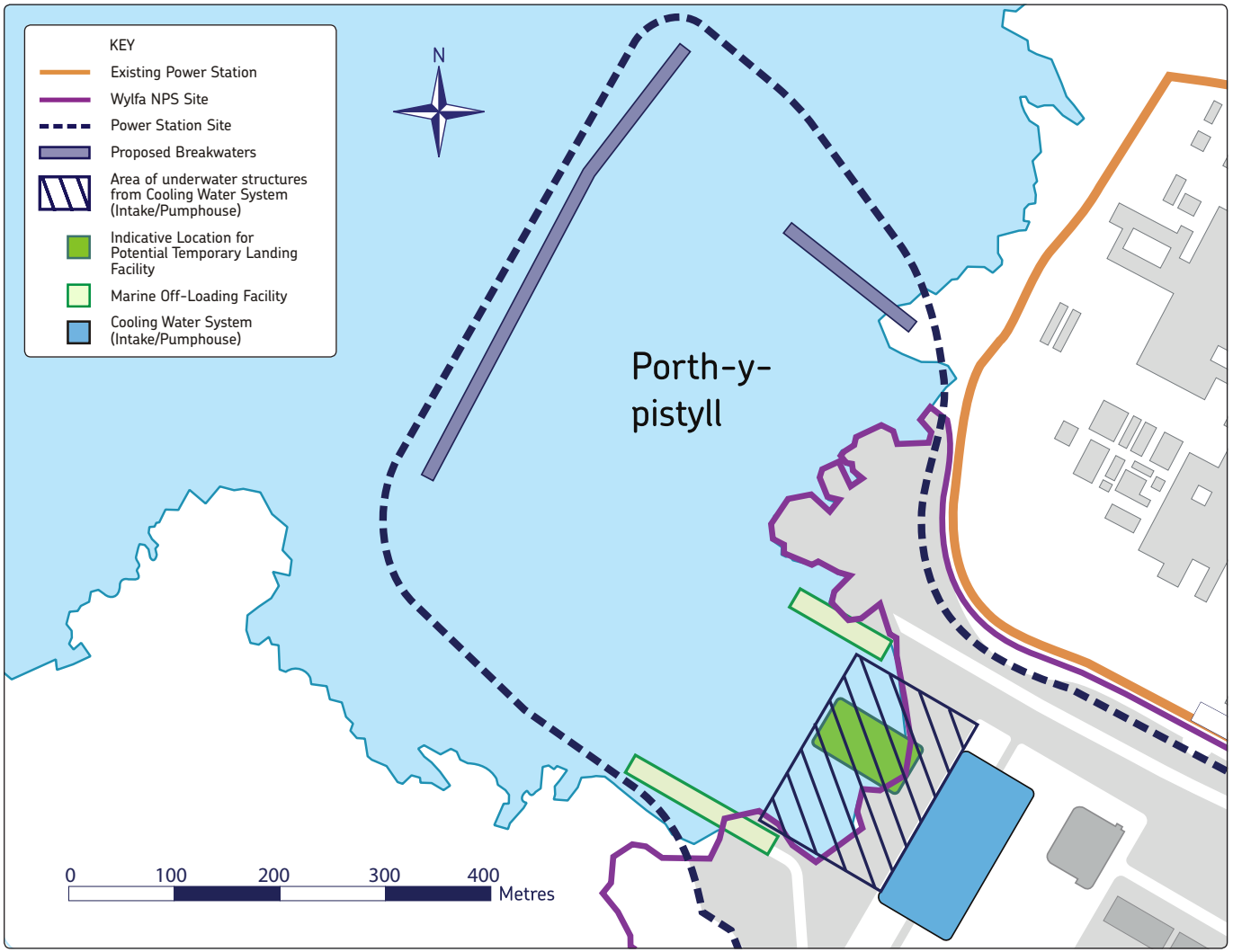


Figure 8: Indicative coastal development at Porth-y-pistyll

FURTHER READING

You can read more about how we chose Porth-y-pistyll for the cooling water intake and the proposed design of the breakwaters in Chapter 5 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Preliminary Environmental Information Report.

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Outfall for cooling water system

We have considered the way that tides and currents move water along the Anglesey coastline as it is important to ensure that cooling water returned to the Irish Sea at the outfall structure will disperse rapidly and, in addition, will not be drawn back in through the intake before it has had a chance to mix well with the cooler seawater. We have identified a preferred option for the outfall structure, shown in Figure 9. This would involve the construction of a new outfall structure that would discharge to the same location as the existing Magnox power station outfall and would re-use the channel already cut into the sea bed.

Our ability to re-use the existing Magnox power station outfall channel will depend on a number of factors, including discussions with Magnox Limited and the Nuclear Decommissioning Authority, particularly in relation to the compatibility of our timeframes, as well as further assessments and consultation feedback. If we conclude that it will not be possible to construct at this location, we would use an alternative location a short distance to the north of the existing Magnox power station outfall, on the south-western coast of Wylfa Head. At this location, water would discharge to the same bay, but in a different direction.

Marine Off-Loading Facility

The final piece of infrastructure located within Porth-y-pistyll would be a Marine Off-Loading Facility (MOLF). The MOLF will include two quays and will have an access route to allow deliveries directly to the Wylfa Newydd Development Area from the sea, reducing the need to use local roads. This facility would be made available during both construction and operation. See the 'Meeting Transport and Construction Workforce Requirements' section of this document for more information on how we will meet transport requirements.

We are proposing to position the MOLF in the same bay as the cooling water system intake. This will allow vessels to take advantage of the protection and shelter of the proposed breakwaters, as well as focussing potential impacts on the coastline and environment in one main location. We are also considering constructing a temporary landing facility at this location to use before the MOLF is fully constructed and operational.

QUESTION 4

Do you have any comments on Horizon's coastal development proposals at Porth-y-pistyll and Wylfa Head, relating to the cooling water system (including breakwaters) and Marine Off-Loading Facility?



Figure 9: Existing Magnox power station cooling water system outfall location

YOUR VIEWS

We are keen to receive feedback on the development of a MOLF to manage freight deliveries to the Wylfa Newydd Development Area and the possibility of a temporary landing facility.

Your thoughts on the options for the cooling water outfall and the proposed co-location of the MOLF with the cooling water intake at Porth-y-pistyll are also welcome.

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The Power Station

RADIOACTIVE WASTE

Once operational, the Power Station will start to produce spent fuel and radioactive wastes, which will be carefully segregated and categorised. Radioactive wastes with very low and low levels of radioactivity, such as contaminated gloves and overalls, are expected to be disposed of in licensed facilities away from the Power Station Site.

Radioactive wastes categorised as intermediate level waste and spent fuel will need to be stored at the Power Station Site pending disposal, in the longer term, to a national radioactive waste disposal facility elsewhere in the UK, in accordance with Government strategy.

Intermediate level waste and spent fuel will require special handling and storage to meet health, safety, security and environmental regulations. Specially designed packages would be used for the storage of intermediate level waste and these would be contained within an interim storage building, likely to be similar in size to existing stores at the Trawsfynydd and Berkeley power stations. Spent fuel must be cooled for a period of time once it is removed from the reactor and it is then transferred to its own separate interim storage buildings.

Figure 10 identifies the general location within the Power Station Site where the interim storage buildings for intermediate level waste and spent fuel could be accommodated. This location has been proposed as it is close to the site of the nuclear reactors and would allow safe and efficient transfer and storage of spent fuel and intermediate level waste. We also intend to work with Magnox Limited to explore the possibility that interim storage facilities could instead be located within the area of the existing Magnox power station site, following its planned decommissioning. Use of this land would also reduce the amount of land that we need for the Power Station Site.

YOUR VIEWS

Your thoughts on the indicative and indicative alternative potential locations for the storage of intermediate level waste and spent fuel are welcome.

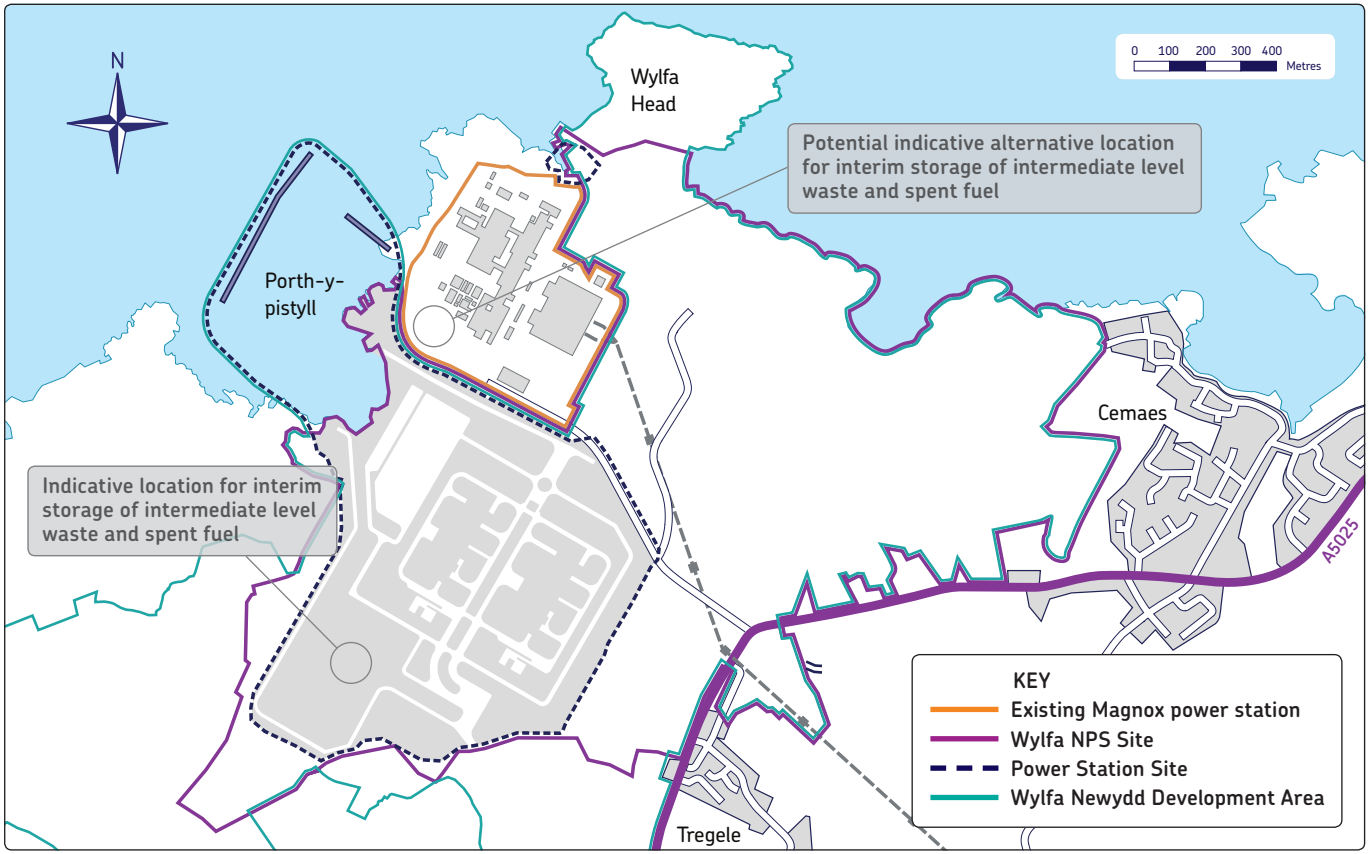


Figure 10: Indicative location for interim storage of intermediate level waste and spent fuel

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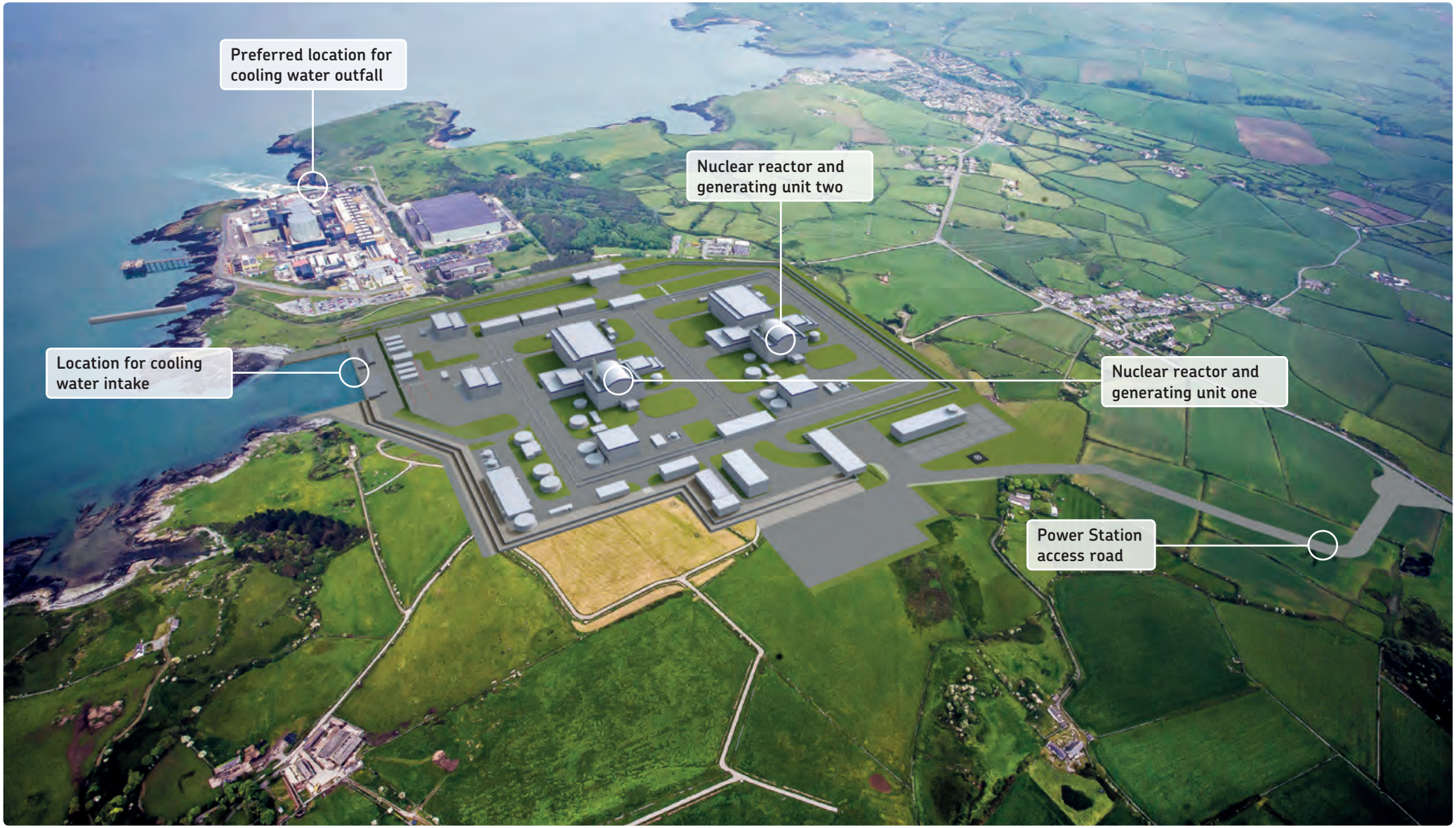


Figure 11: Power Station indicative layout

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Building the Power Station

ENABLING WORKS

Enabling Works is the term we use to refer to the activities that are needed to prepare the Wylfa Newydd Development Area for construction of the Power Station. The bulk of the Enabling Works include activities such as levelling areas for construction compounds; permanent closure of the Cemlyn Road and some public footpaths (and diversion of others); removal of buildings and vegetation; enclosing the working area with fencing; installing lighting and security measures; and installing the temporary landing facility. Prior to the closure of Cemlyn Road, we will be upgrading the alternate route to Cemlyn Bay via Nanner Road.

We also intend to create a new access road for the Power Station. As shown in Figure 7 the likely route of the Power Station Access Road would leave the A5025 just to the south of Tregele.

In order to ensure that Associated Development is ready in time to support main construction activities, we will plan for building work to start before the beginning of the Main Construction stage.

FURTHER READING

You can read more about the Enabling Works in Chapter 7 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.



MAIN CONSTRUCTION

The Main Construction stage is anticipated to last nine years, overlapping for a period with the Enabling Works. Construction activities will form a significant temporary feature in the local landscape although we will try to reduce the effects through mitigation, such as visual screening.

We plan to create large construction compounds for uses such as the storage of materials, site offices and concrete batching and have identified potential areas that would be needed to the south and east of the Power Station Site. We would also need several additional construction compounds elsewhere within the Wylfa Newydd Development Area, to support specific parts of the Project, such as the construction of the cooling water outfall at Wylfa Head. Main Construction works will include final site leveling and excavations for the Power Station main foundations, main civil works, building erection and commissioning of each nuclear reactor. We are considering 24-hour shift working (primarily low-noise uses) at key points during the Main Construction stage.

Construction works could give rise to around 10 million cubic metres of excavated materials. A significant proportion of this will be used to form the level areas needed for the Power Station building platform and to level the construction compounds. The vast majority of the remaining excavated materials will need to be used within the Wylfa Newydd Development Area to create an appropriate landscape setting for the Power Station and help to mitigate likely noise and visual effects. The general approach to Landscape and Appearance is found on the following page. We intend to further develop our proposals for accommodating the construction requirements, which will be a key driver in determining the phasing of our landscaping proposals in the Wylfa Newydd Development Area.

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Figure 12: Construction of ABWR building at Shimane 3 in Japan

FURTHER READING

You can read more about the Main Construction Stage in Chapter 7 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.

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Building the Power Station

LANDSCAPE AND APPEARANCE

Our proposal is to create a setting for the Power Station that would reflect the existing drumlin landscape. This would make use of excavated materials from the Power Station Site to form the rounded mounds, which would be formed in a number of different locations within the Wylfa Newydd Development Area. As part of the landscape proposal, these mounds would be planted with typical local vegetation including hedgerows, native trees and shrubs. This would allow some of the land to be returned to agricultural and recreational use when it is no longer needed for construction. An indication of how this might be arranged once the Power Station is operational is provided in Figure 13. Visualisations of how this might look from specific viewpoints can be found in the Preliminary Environmental Information Report.

Our preferred landscape approach is to form mounds and a landscape setting that will incorporate the mitigation of visual and noise effects of the Project. We are currently undertaking work to explore the likely characteristics of the excavated materials which will help us to understand how densely the material might pack down during mounding activities and, therefore, how much we will need. If further work suggests that we will need to excavate a greater volume of material than currently anticipated, we may have to adapt our indicative landscape proposal. This would require us to review the use of land across the Wylfa Newydd Development Area, including designated areas such as the Tre'r Gof SSSI and Cestyll Garden. Consideration may also need to be given to taking some excavated material away from the Power Station Site and we would need to understand the potential opportunities and implications of doing this, by sea or by road.

FURTHER READING

You can read more about our landscape design proposal and the Landscape and Biodiversity Masterplan in Chapter 8 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.

YOUR VIEWS

We are keen to hear your thoughts on how we form the landscape and your preferences on the types of planting that could be selected.







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KEY

- Power Station Site
- Wylfa Newydd Development Area
- Bat barn/wildlife tower
- Existing watercourse
- Existing Copper Trail
- Existing Wales Coast Path
- Area of proposed landscape and biodiversity mitigation
- Proposed extensive landscape mounds to provide visual screening, noise attenuation and to soften views of the Power Station
- Indicative proposed landscape mounds
- Indicative areas of proposed tree planting
- Potential option for new alignment of Wales Coast Path
- Potential option for new alignment of Copper Trail
- Indicative access route for Wylfa Head
- Cestyll Garden

QUESTION 5

Do you have any comments on Horizon's indicative landscape proposal?

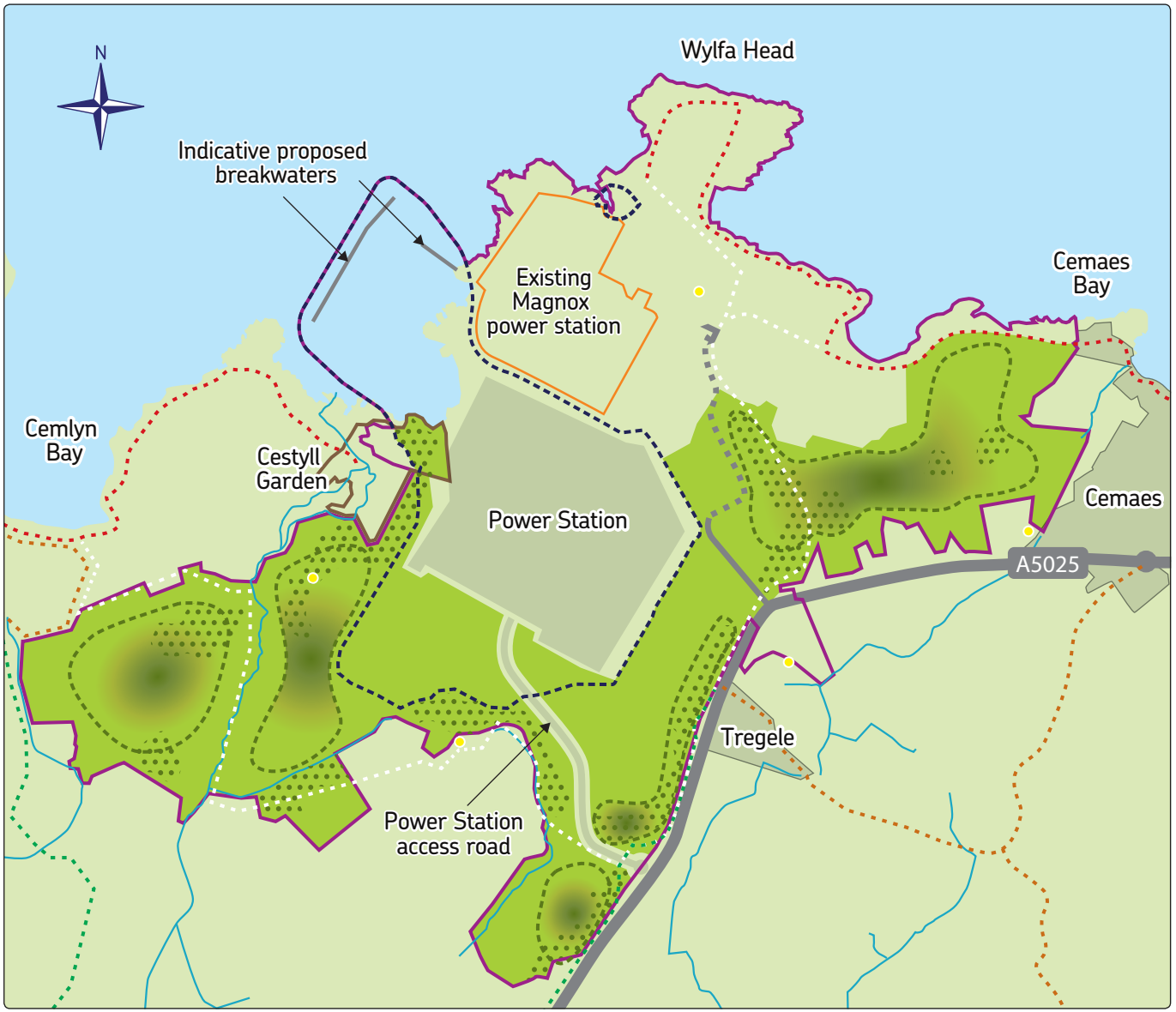


Figure 13: Indicative landscape proposal

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Building the Power Station

VISUAL APPEARANCE OF BUILDINGS

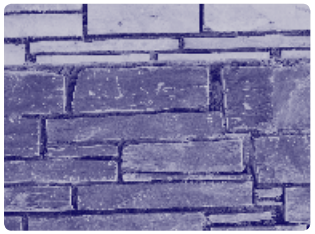
We have not yet made firm decisions about the architectural treatment for the buildings we plan to erect, keeping in mind that they will vary considerably in size and prominence. At the moment, there are three main concepts that we are considering for the proposed buildings:

- **Blend** into the surrounding environment with the use of natural colours and materials;
- Make a **bold** statement to form a striking landmark, with the use of bold colours and contemporary materials; or
- A combination of the blend and bold concepts.

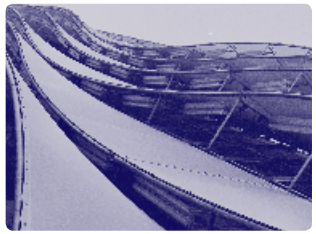
As an example, the existing Magnox power station would be considered a combination of blend and bold approaches to architecture, with the colours and materials of the buildings generally blending into the landscape while the sheer scale and location of the buildings creates a contrast to the surrounding landscape.



Existing Magnox power station – combination of blend and bold



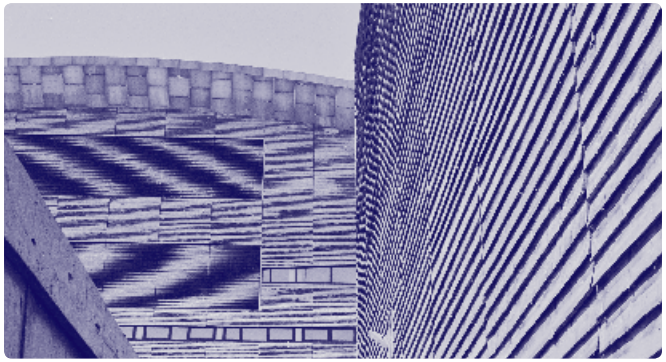
Use of local materials



Examples of bold architecture



Examples of bold architecture



Examples of bold architecture, using local materials



Natural colours and planting working together to blend

FEEDBACK

We are keen to hear your views on preferred colours, materials and style of the Power Station. We have included a variety of images here to help you in forming your opinions and you are welcome to refer to them in your response. Your views will be considered as we develop a design brief for our architectural specialists.

QUESTION 6

Do you have any comments or preferences on whether the Power Station buildings should be designed to blend in or make a striking architectural feature in the landscape?

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JOB OPPORTUNITIES

We will need significant numbers of workers throughout both the construction and operational stages of our Project, which will create opportunities to support the local employment base. The size of the workforce required during construction of the Power Station will be around 4,000 for the majority of the time, but could reach 8,500 during peak periods. We will also need to employ several hundred people to construct the Associated Development and jobs will be created in running the logistics centre, temporary worker accommodation and bus route serving the park and ride facilities. Our Project will also indirectly create and support associated jobs and employment in industries such as hospitality, leisure and retail.

Once operational, the Power Station would employ up to 1,000 workers with an approximately 1,000 additional workers needed during planned periods of plant outage for maintenance. As with construction activities, operation of our Project will indirectly support jobs and employment opportunities within the service industries.

This means that throughout the lifetime of the Project, a wide range of job roles will be available – from skilled technical roles, to supervisory and managerial roles, to support roles (administrative, cooks, cleaners, etc) – and we are working with training organisations to help ensure that all of this range will be available to the residents of Anglesey and North Wales.

FURTHER READING

More information on the Jobs and Skills Strategy can be found in Chapter 9 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.

INVESTMENT IN THE WORKFORCE

Whilst we want to capture the local, skilled workforce, we realise that the number of workers currently available will not sustain the Project over its lifetime. We are therefore committed to setting up and running programmes that will partner with colleges and organisations who are closely involved with apprentice training and recruitment. This will allow us to focus on the upskilling, reskilling and training of young people, the long term unemployed and others who could join our workforce in the future, benefiting both current and future generations on Anglesey. We will seek to proactively put in place appropriate training for local workers so that necessary skills can be acquired to meet our demand.

To manage both employment demand and available skills in the local and regional areas, we intend to implement a Jobs and Skills Strategy. This will help us to match job roles with workers who have the relevant skills and to address training opportunities within the region.



QUESTION 7

Do you have any comments relating to skills and training and the promotion of local and regional employment?





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Building the Power Station

SUPPLY CHAIN ENGAGEMENT AND LOCAL PROCUREMENT

The Project represents a multi-billion pound investment into the economy and will create a range of business opportunities. As part of the benefits arising from the Project, it is our hope that a significant proportion of these opportunities can be captured within the local, regional, Welsh and UK markets. We believe that the UK supply chain should supply a substantial portion of the value of the Project and we want to assist this with early and proactive engagement with potential suppliers and local businesses.

We have put in place robust procurement processes to ensure that the supply of goods and services is secured in a timely manner whilst meeting our objectives of safety, quality and value for money. It is our intention to closely manage this to ensure potential suppliers clearly understand our processes and requirements.

To further support this, we intend to produce a Supply Chain Charter which will outline our commitments to contract procurement and explain how you can best and most easily engage with us and our main framework suppliers.

We will endeavour to communicate clearly about potential business opportunities and we're working on the best mechanism for sourcing local products and service suppliers. While these arrangements are being set up, we are exploring the best way to promote greater awareness of tendering opportunities and contracting processes, including for smaller value, non-nuclear related contracts that may be more attainable for local suppliers.

Suppliers can register at our Supplier Registration system found at: **www.horizonnuclearpower.com/supplier-registration** which will be made available for tendering opportunities in the future.

QUESTION 8

Do you have any comments relating to Horizon's engagement with the supply chain and proposals for buying from local and regional suppliers and businesses?



MORE INFORMATION

Over 50 contracts have been placed with local companies to date.



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FEEDBACK

We are keen to understand the types of advice and assistance that we could make available to help in readying you and local businesses to become involved in the Project supply chain. Your feedback could help to influence what we include in our Supply Chain Charter.

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Meeting transport and construction workforce requirements

INTEGRATED TRAFFIC AND TRANSPORT STRATEGY

We are committed to ensuring that the transport needs of the Project are managed to reduce effects on the communities of Anglesey. We want to do this by moving people and goods efficiently, managing environmental impacts, ensuring user and community safety and presenting solutions that offer some potential legacy benefits.

Our proposed Integrated Traffic and Transport Strategy (ITTS) would address these matters in a co-ordinated manner; offering a package of transport measures that cover a range of different transport modes available during both construction and operation of the Power Station. The principles of the draft ITTS seek to:

- Ensure the safety of roads for all types of users, including pedestrians and cyclists
- Promote the use of non-road modes for the movement of freight and promote the use of sustainable transport modes for the movement of the workforce
- Reduce the need to travel, including through demand restraint to limit traffic growth
- Reduce the number of trips by all modes through transport efficiency
- Offer efficient, flexible, reliable and sustainable modes of transport to the workforce
- Control private vehicle and freight movements along the A5025 corridor
- Manage disruption to existing communities from additional road traffic and develop measures to enable control of traffic to avoid exacerbating peak hour congestion on the existing highway network
- Avoid, where possible, and mitigate against predicted significant adverse environmental effects arising from the transport requirements of the Project
- Reduce land take requirements in delivering necessary transport infrastructure
- Provide, where possible, a legacy benefit for Anglesey



FURTHER READING

More information on the overall transport needs of the Project and options for movement of goods and people can be found in Chapter 10 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.

TRANSPORT MODES

We have considered and studied a combination of air, rail, road and sea transport to determine what would best serve the community as well as meeting our construction and operational goals. The Project will require the delivery of substantial quantities of freight, some of which will be extremely large plant and equipment called 'Abnormal Indivisible Loads', or AILs, which tend to overhang normal haulage vehicles and which need special permissions and escorts. Moving AILs by road could cause significant disruption so we have considered alternative ways of delivering AILs and decided that direct delivery to the Power Station Site by sea is the best solution.

The use of rail and air as key modes for getting freight to north Anglesey is less practical and efficient in comparison to sea-based deliveries. Additionally, as delivery to the closest existing railhead and airport would both require freight to be transferred to heavy goods vehicles for onward transport to the Power Station Site via the A5025, these modes would not avoid adding substantially to heavy goods traffic along the road network on the approaches to Wylfa. As a result, we are focusing on making best use of sea-based proposals for the delivery of freight and supplementing this with controlled use of the road network.

We recognise that there could be a role for rail, air and ferries to form part of longer journeys for our workforce and we are considering how to support this, perhaps using shuttle bus services between the railway station, airport, Holyhead Port and the Power Station Site.

QUESTION 9

Do you have any comments on Horizon's draft Integrated Traffic and Transport Strategy (ITTS) principles?

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DELIVERIES BY SEA

To reduce the number of construction freight vehicles on the roads and address safety concerns along the route from the closest port at Holyhead, we have proposed a new MOLF, as discussed on Page 14 of this document. This will allow for the majority of the freight needed to construct the Power Station to be delivered directly by sea. The MOLF will include two quays, land-based cranes for unloading and a direct access route to the various construction compounds in and around the Power Station Site. Construction of the MOLF would also include installation of navigation markers and lighting, highlighting the safe approach channel for vessels.

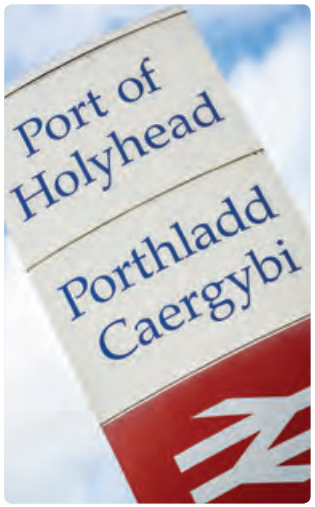
During operation of the Power Station, the MOLF would allow for the occasional delivery of large items of replacement plant and equipment directly to the Power Station Site, without movement along public roads.

QUESTION 10

Do you have any comments on Horizon's sea transport proposals?

FURTHER READING

You can find additional information regarding the design of the MOLF in Chapter 10 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.





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Meeting transport and construction workforce requirements

MOVEMENTS BY ROAD

We intend to enforce the use of a designated route to move freight traffic generated by the Project, shown as the Designated Freight Route in Figure 14. Controlling freight in this way will allow us to ensure that heavy goods vehicles use main roads and avoid passing through villages and hamlets that line alternative routes between the mainland and the Wylfa Newydd Development Area.

In addition to promoting the use of the Designated Freight Route, our Project proposals include providing at least one logistics centre that will allow us to manage the timing and amount of construction and freight traffic on the roads.

To address the issue of commuter vehicle traffic, we are going to develop park and ride facilities, which would act as hubs for the transfer of construction workers from private vehicles to buses. This measure would allow Horizon to manage the amount of private vehicle trips made between the facilities and the Wylfa Newydd Development Area.

We are also considering a bus system that would follow a set route, picking workers up at settlements and transport nodes (such as a railway station) on Anglesey and delivering them to construction areas within the Wylfa Newydd Development Area. This type of initiative would best service employees who live on Anglesey. We are also planning to provide bus services from off-site temporary worker accommodation sites.

Implementation of these initiatives means that we would be able to control the number of vehicles added to the road network during construction.

QUESTION 11

Do you have any comments on Horizon's road transport proposals?

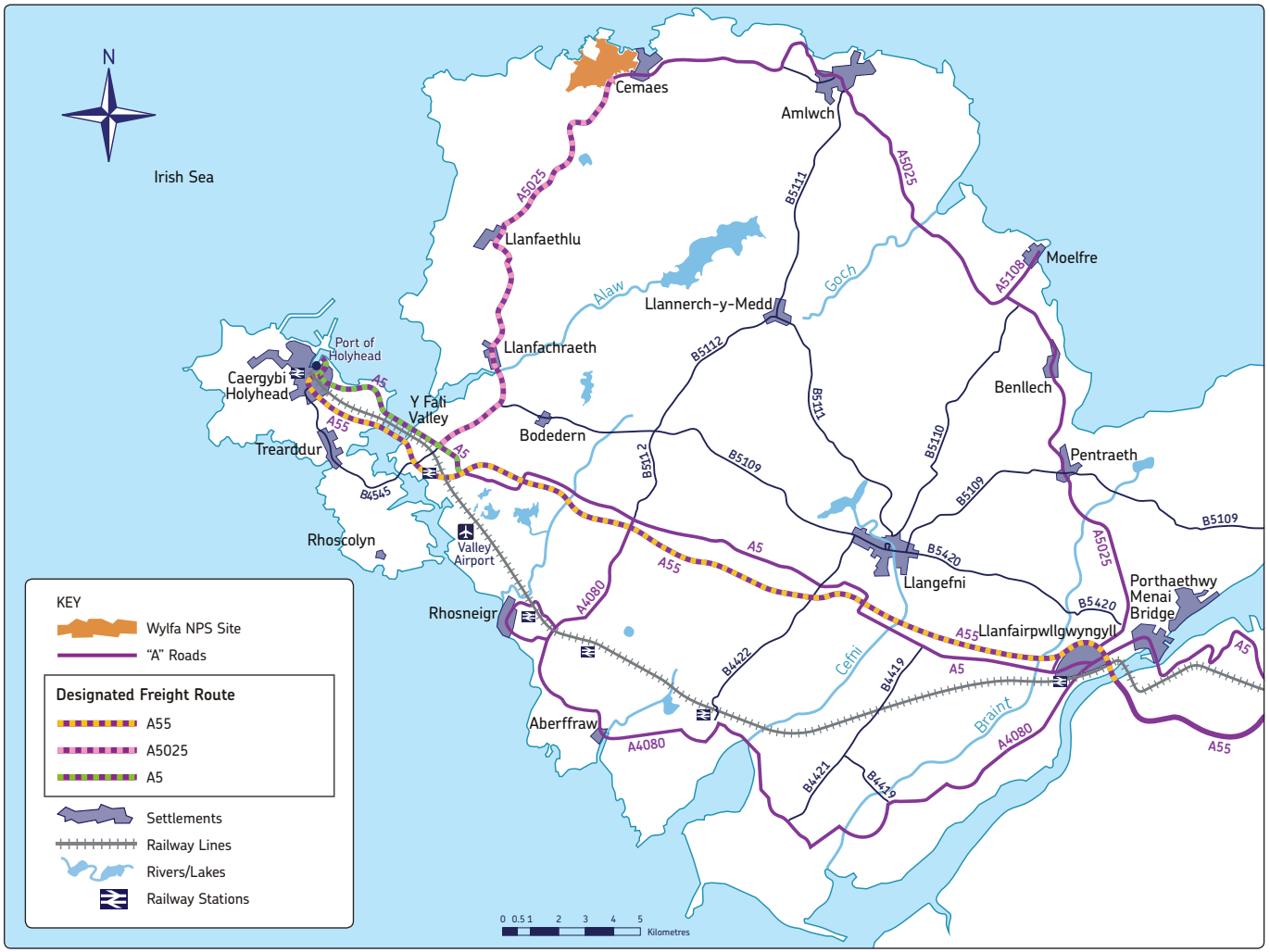


Figure 14: Designated freight route

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Meeting transport and construction workforce requirements

HIGHWAY IMPROVEMENT OPTIONS

The main route to the Wylfa Newydd Development Area from the mainland and port at Holyhead is along the A55, the A5 and the A5025 and these roadways have been included in the Designated Freight Route. Although our full studies are not yet complete, we expect that a variety of highway improvement works would be needed along the A5025 from Valley to the Wylfa Newydd Development Area to address existing safety and environmental issues that may be made worse by construction traffic related to the Project. These improvement works could include widening, realignment and resurfacing.

We also understand that there are a number of specific locations, as shown in Figure 15, where the flow of traffic along the A5025 may be constrained and we have developed proposals for improvements, some of which have multiple options.

These improvements would generally involve the construction of new sections of road to ease and improve these constraints. These improvements are described on the following pages.

MORE INFORMATION

For the times when we are proposing to move a large load of freight along the roads, we will communicate with affected portions of the community.

YOUR VIEWS

Thoughts on the current proposals for off-line highway improvements along the A5025 are welcomed.

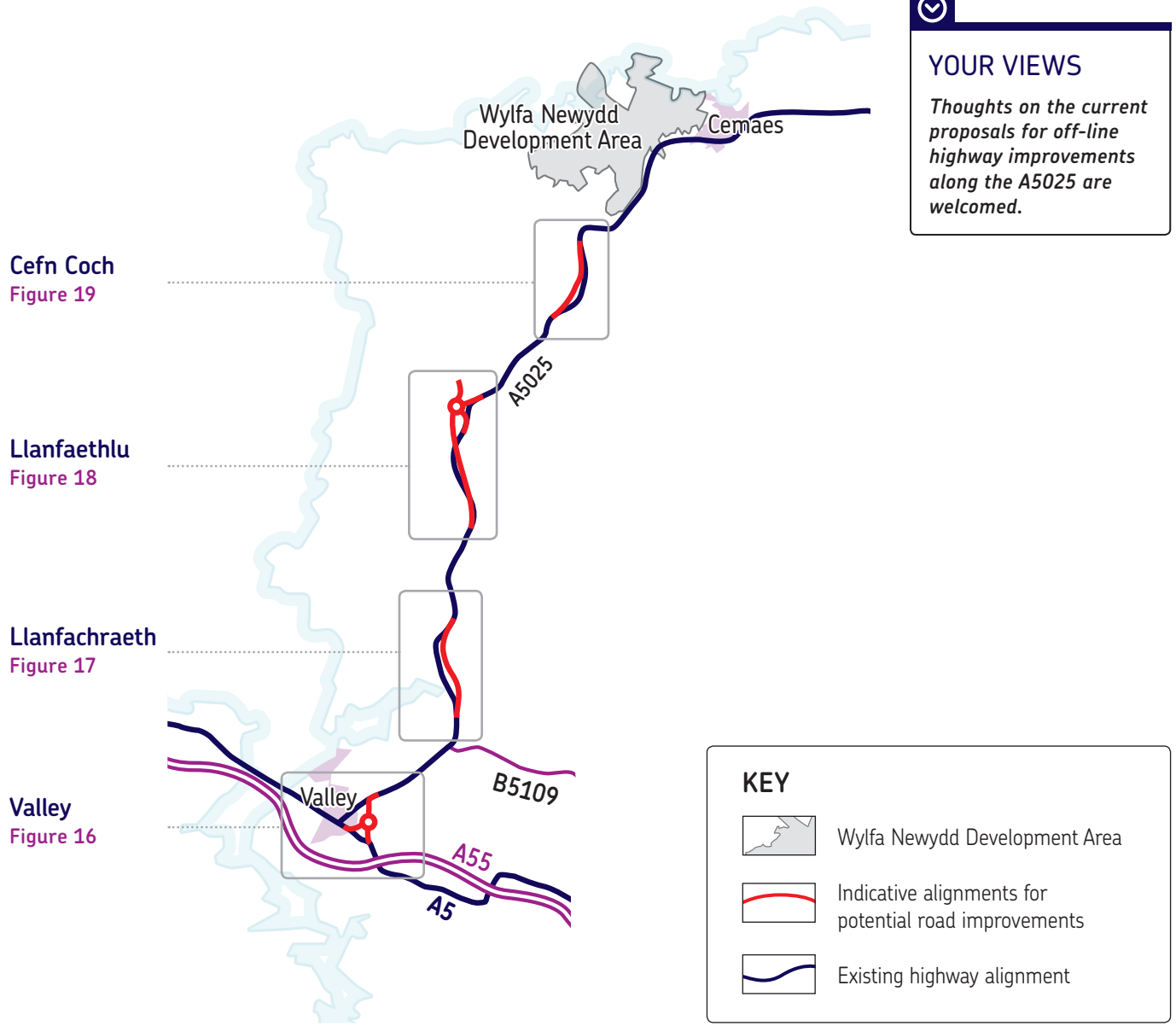


Figure 15: Overview of locations for potential road improvements

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Meeting transport and construction workforce requirements

Valley junction improvement option
We are currently undertaking traffic counts to understand capacity issues in this area. Based on this information, we will determine if a new junction that would bypass the existing crossroads and take traffic away from the centre of Valley is required to cope with the Project's predicted increase in heavy goods vehicles, and the necessary turning space for these large vehicles. If we decide that a new junction is necessary, our proposed alignment is shown in Figure 16.

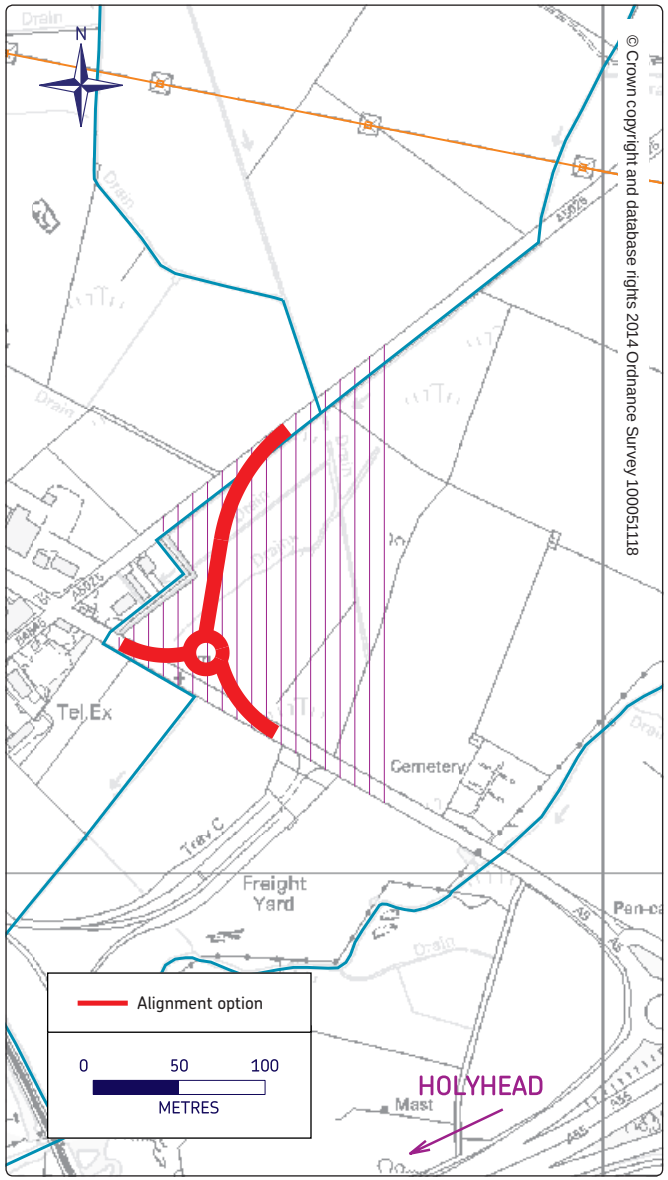


Figure 16: Valley junction improvement option

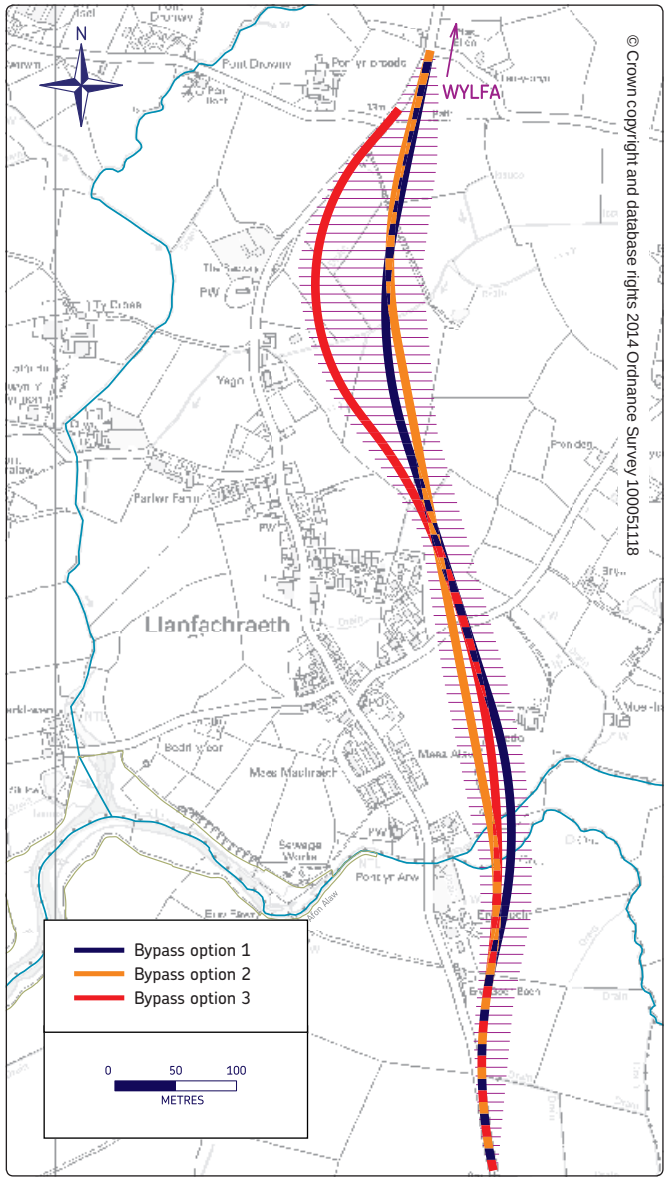


Figure 17: Llanfachraeth bypass options

Llanfachraeth bypass options
Buildings through this section of the A5025 are quite close to the road presenting both safety and environmental concerns in relation to construction traffic. We have proposed three alternatives that would bypass Llanfachraeth to the east of the village, avoiding environmental features that lie to the west. As shown on Figure 17, these include:

- Llanfachraeth Option 1 (blue) – allows for traffic to be routed away from the centre of the settlement, which includes a school and several listed buildings.
- Llanfachraeth Option 2 (orange) – creates a straighter alignment that would increase overtaking opportunities.
- Llanfachraeth Option (red) – the longest option that most closely follows the existing settlement boundary and is also closest to the Area of Outstanding Natural Beauty.

KEY

- Area where improvements are being considered
- River/Stream/ Drainage channel
- Overhead Powerlines

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Llanfaethlu road straightening options

Llanfaethlu has several properties close to the A5025, which is characterised by tight bends and climbs making visibility and traffic flow difficult. We are proposing the alignments shown on Figure 18 to improve user safety and reduce or avoid effects to the environment and the local community:

- Llanfaethlu Option 1 (blue) – straighten the bends to deliver a more suitable alignment for heavy goods vehicles that would not pass through the centre of Llanfaethlu.
- Llanfaethlu Option 2 (red) – straighten the bends over a longer distance of the road so that the A5025 through Llanfaethlu would be realigned to avoid residential properties, both in the centre of the settlement and also to the north. This alignment would involve a small encroachment into the Anglesey Area of Outstanding Natural Beauty.

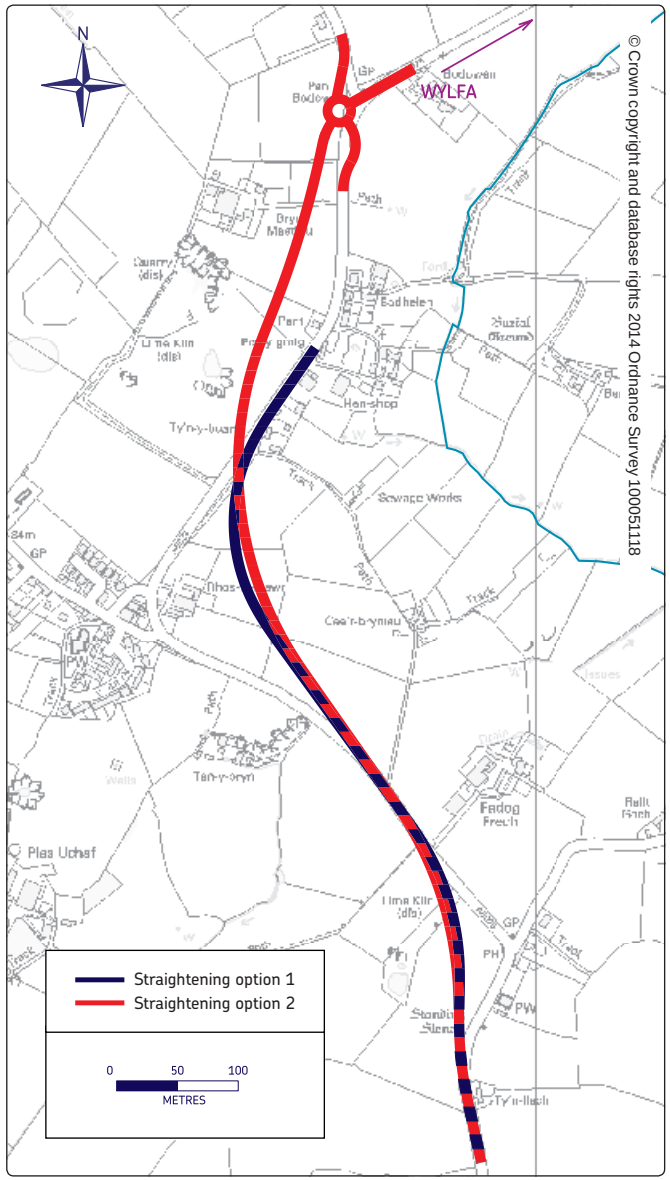


Figure 18: Llanfaethlu road straightening options

Llanrhyddlad to Cefn Coch improvement option

To the south of Cefn Coch, the A5025 does not meet current highway standards for safe and easy passage of heavy goods vehicles. To address this, we are proposing a bypass of the area as shown in Figure 19.

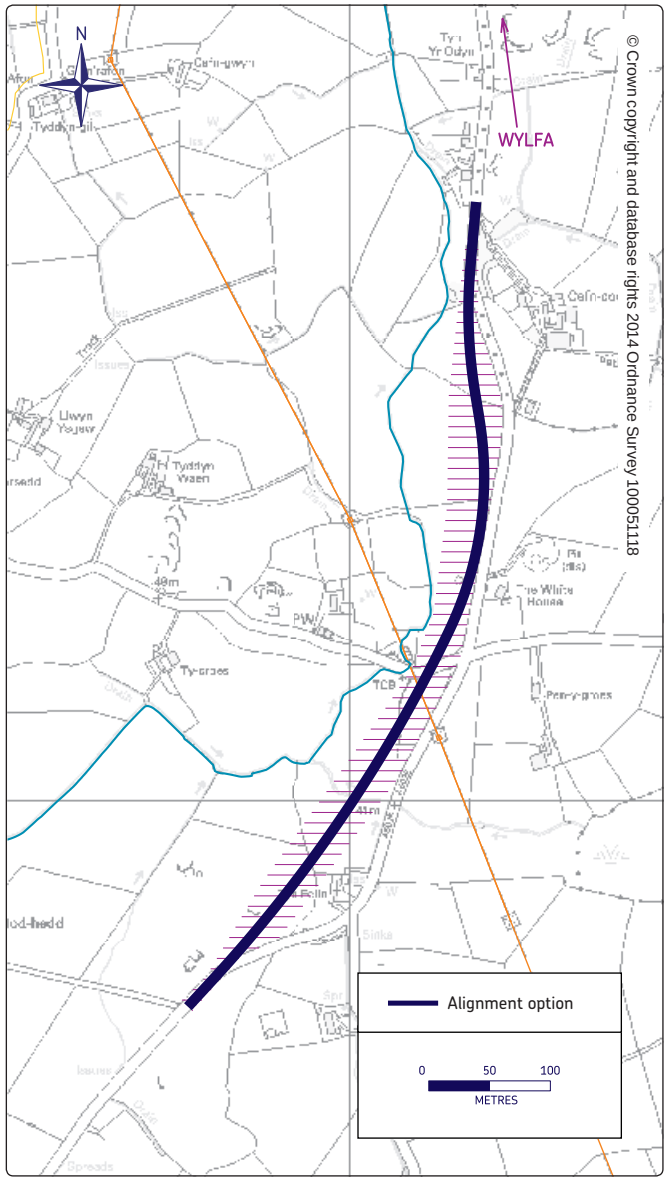


Figure 19: Llanrhyddlad to Cefn Coch improvement option

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Meeting transport and construction workforce requirements

WORKER ACCOMMODATION STRATEGY

The numbers of construction workers, and therefore their accommodation requirements, would vary over time. We have prepared principles for a Worker Accommodation Strategy that will help us to manage this temporary workforce while seeking to control impacts to both the community and the environment. We expect a proportion of construction workers to be local which means that they will not need accommodation. For non-local workers, the principles of the draft Worker Accommodation Strategy would:

- Identify the use of existing bed spaces before considering increasing the supply
- Facilitate a range of housing options to address expected workforce needs
- Minimise the need to travel by locating housing opportunities near to public transport options, services and leisure facilities
- Identify the location of additional housing, especially temporary worker accommodation facilities, near to health and recreational services, and away from environmentally sensitive sites, using the broad area of search
- Consider legacy benefits once the temporary worker accommodation is no longer needed to support construction

Development of off-site temporary worker accommodation would meet any shortfall in existing capacity and would most likely be of a campus style. As this type of accommodation would support a large number of workers, we plan to provide specific sport, leisure and recreational facilities as part of the design. Having this many workers in one place would also allow us to implement sustainable mass transit solutions such as bus and shuttle transport which would reduce impacts to the community.

As with the envisioned park and ride facilities and logistics centre, suitable locations for an off-site temporary worker accommodation are being identified within the broad area of search, which is explained on the next page of this document.

YOUR VIEWS

We are keen to understand your views on the use of tourist accommodation, existing housing stock, and the construction of bespoke housing opportunities.





FURTHER READING

Additional information on our Worker Accommodation Strategy can be found in Chapter 10 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.

MORE INFORMATION

A logistics centre is a secure 24-hour facility capable of accepting vehicles, with the principal role of managing the onward flow of construction traffic. This type of facility will help us to control the impact construction traffic would have on peak congestion on the highway network and would enable the consolidation of loads into a smaller number of deliveries.

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BROAD AREA OF SEARCH FOR ASSOCIATED DEVELOPMENT SITES

Our Project proposals include exploration of a range of transport initiatives that will help us manage the transport of freight and people, the most notable of which are park and ride facilities and at least one logistics centre. We also need to identify at least one off-site location for the development of temporary worker accommodation facilities for construction workers.

Suitable locations for park and ride facilities and at least one logistics centre are being identified within the broad area of search, as shown in Figure 20, and close to the A55 corridor. We are also identifying land within the broad area of search that may be suitable for off-site temporary worker accommodation.

We would welcome suggestions for land of at least 1.5 hectares within the broad area of search that you are aware of that may be suitable for these types of Associated Development, which are needed to support the construction of the Power Station.

QUESTION 12

Do you have any comments on the broad area of search or suggestions for sites Horizon could develop for park and ride facilities, logistics centres, or temporary worker accommodation?

MORE INFORMATION

The criteria for identifying preferred sites within the broad area of search, including criteria for further evaluation of potentially suitable land, is provided in Chapter 10 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.

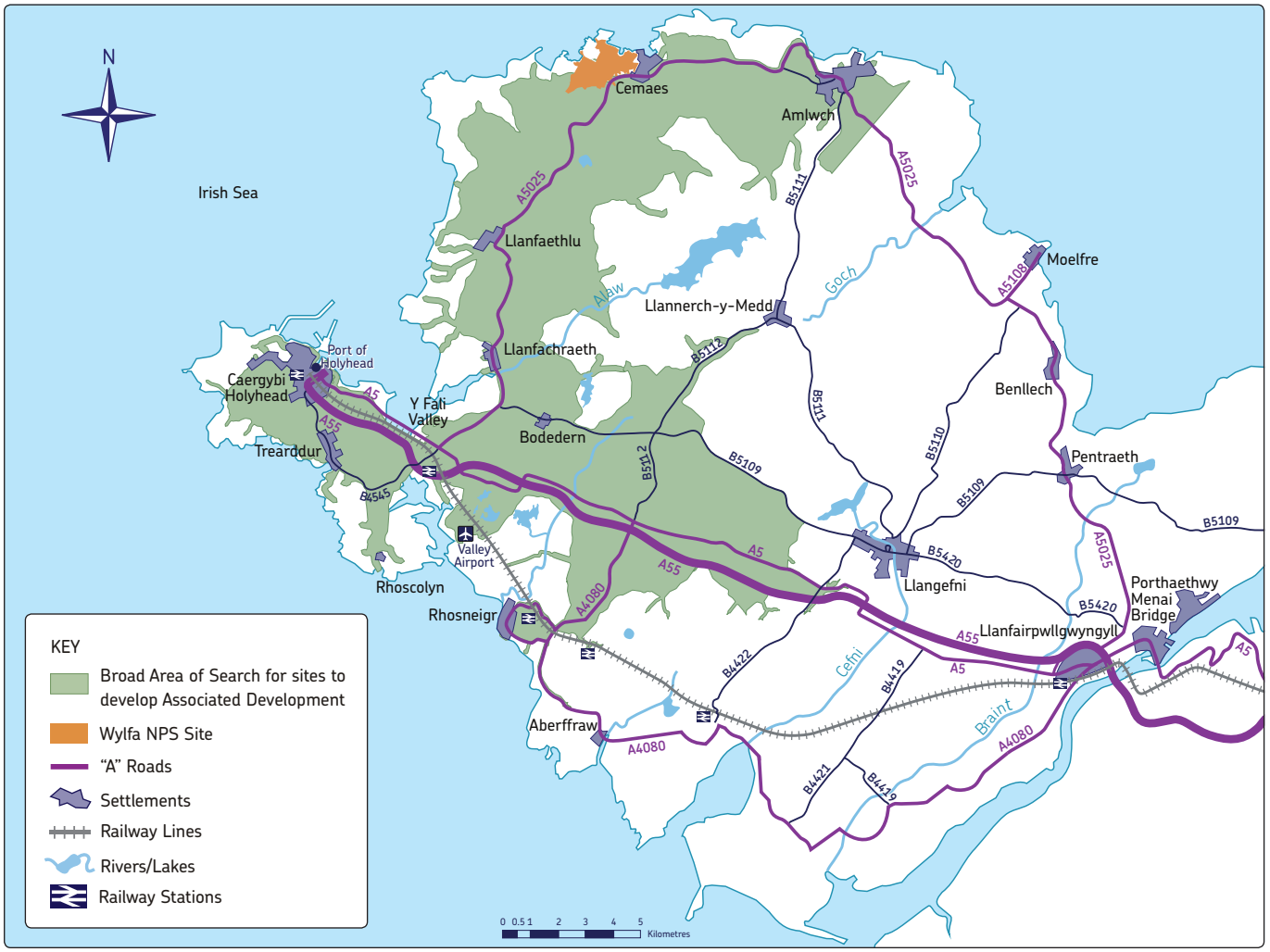


Figure 20: Broad area of search for park and ride facilities, logistics centres and temporary worker accommodation

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Legacy benefits and community facilities

LEGACY BENEFITS

We recognise that investment in relevant infrastructure and mitigation measures identified through the environmental impact assessment process will be required to manage the impacts of the Project on Anglesey's communities and environment. In addition to the benefits expected as a result of job opportunities and training, we intend to deliver a number of improvements with the Project. We consider the following to have the potential to deliver a positive legacy for Anglesey:

- Highway improvements will be designed so that, where possible, they would be permanent enhancements. Particularly where bypasses are being considered, we plan to work with the community to understand local issues and consider appropriate enhancements
- Health service provision will be enhanced to meet the demand anticipated during the Main Construction Stage; however, we are exploring the means of delivering these services so that they remain in the community afterwards
- Design of temporary worker accommodation whilst being mindful of the potential for legacy benefit
- Investment in initiatives to enhance and upgrade existing housing stock to support the anticipated construction worker demand but with the potential for adaptation to quality, long-term housing stock or transfer to tourism
- Sustainable transport options, such as improvements to walking, cycling or bus routes that will improve the long-term connectivity on Anglesey for residents and visitors
- Use or redevelopment of park and ride facilities and logistics centres proposed for development at desirable locations along major roads. These could serve as a logistics hub for future construction projects or other significant development
- Habitat enhancement and creation, as well as targeted biodiversity mitigation as part of our overall ecological mitigation strategy. This would build on our recent works such as erection of a wildlife tower, and development of a tree nursery on Anglesey







FEEDBACK

We welcome your comments on the potential legacy benefits that we have identified and are keen to understand what facilities would be of most value to the community.



QUESTION 13

Do you have any comments or suggestions for long-term legacy benefits or community facilities?

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FURTHER READING

Information on our proposed Public Access and Recreation Strategy and further detail about the Wylfa Sports and Social Club and proposed visitor centre can be found in Chapter 11 of the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document.







COMMUNITY FACILITIES

We also intend to provide new or replacement facilities for the following resources:

WYLFA VISITOR CENTRE: Our Project proposals include replacement of the existing Wylfa visitor centre, currently used by schools and tourists for both formal and informal educational opportunities. We view this as an important way to integrate the Power Station into the community and the wider region and our preferred location for this facility is at the Wylfa Gateway Complex. While we view the new visitor centre as an opportunity to provide an exhibition area, meeting and training rooms, classrooms and a cafe, we are committed to incorporating education, learning and displays, and other visitor centre amenities.

WYLFA SPORTS AND SOCIAL CLUB: The existing Wylfa Sports and Social Club will need to be relocated from its existing premises during our Enabling Works, from early 2016 onwards. In order to ensure continuity, we are planning to provide new premises at our preferred location, the Wylfa Gateway Complex, in the short-term. We are also considering the potential for developing long-term leisure facilities. These could be located at the Wylfa Gateway Complex or we could look to invest in existing sports and leisure facilities in nearby communities, either by supporting existing facilities or creating new ones.

PUBLIC ACCESS AND RECREATION: It is our intention to maintain or improve the existing condition of public access and recreation in the area, which we will implement through a Public Access and Recreation Strategy that will be developed following this consultation period. As part of preparing the strategy, we are currently undertaking a survey of the public rights of way network and recreational facilities in the area, which has identified such resources as the Wales Coast Path, the Copper Trail, and Cestyll Garden. We have identified potential opportunities for improving the quality of the public rights of way network, promotion of walking and cycling routes, upgrading community recreation areas, as well as enhancing accessibility, directional signage and provision of educational information.

YOUR VIEWS

We are keen to understand what existing facilities or services you consider particularly valuable and how we may be able to address these through design of the Project. Also, your thoughts on what we have proposed would be helpful, in as much as these facilities, their function and location will shape your community in the years to come.

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Responding to this consultation

HOW TO SUBMIT YOUR FEEDBACK

Your response to this public consultation is very important to help us shape the Project and we are looking forward to receiving your responses.

We will consider responses received during consultation and explain how they have been taken into account in the development of our Project proposals. Where we have not altered our proposals to reflect comment, we will try to give our reasons.

The current consultation is taking place for 10 weeks, between 29 September and 8 December 2014. There are a number of ways in which you can respond:

- **Via a feedback form** available at consultation events and online at **www.horizonnuclearpower.com/consultation**
- **In writing** to our freepost address **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**
- **Via email** at **wylfaenquiries@horizonnuclearpower.com**

We also operate a freephone number in Welsh and English at **0800 954 9516** to help with queries during and after the consultation.

Please ensure that your feedback reaches us by **8 December 2014.**

QUESTION 14

Do you have any additional comments on Horizon's Project proposals?



A series of events will be held in support of this consultation, generally following three formats:

- Public exhibitions
- Staffed 'drop-in' sessions
- Information points

The location and timing of all events will be available on our website at **www.horizonnuclearpower.com/consultation.**

You are encouraged to attend these events to gather additional information, ask questions of staff and provide feedback.

NEXT STEPS

We aim to provide an acknowledgement of receipt of responses to this consultation. An Interim Consultation Report will be prepared after this consultation to help us highlight matters that we need to address as design progresses.

This report will be published along with our Stage Two pre-application consultation activities, summarising relevant activities, responses and actions we've taken throughout the consultation process.

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CONSULTATION DOCUMENTS

The following documents are available for your review as part of this consultation:

- This document, the Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Overview Document (available in both Welsh and English)
- A non-technical summary of the Wylfa Newydd Project Pre-Application Consultation – Stage One Preliminary Environmental Information Report (available in both Welsh and English)
- The Wylfa Newydd Project Pre-Application Consultation – Stage One Consultation Document
- A Wylfa Newydd Project Pre-Application Consultation – Stage One Preliminary Environmental Information Report

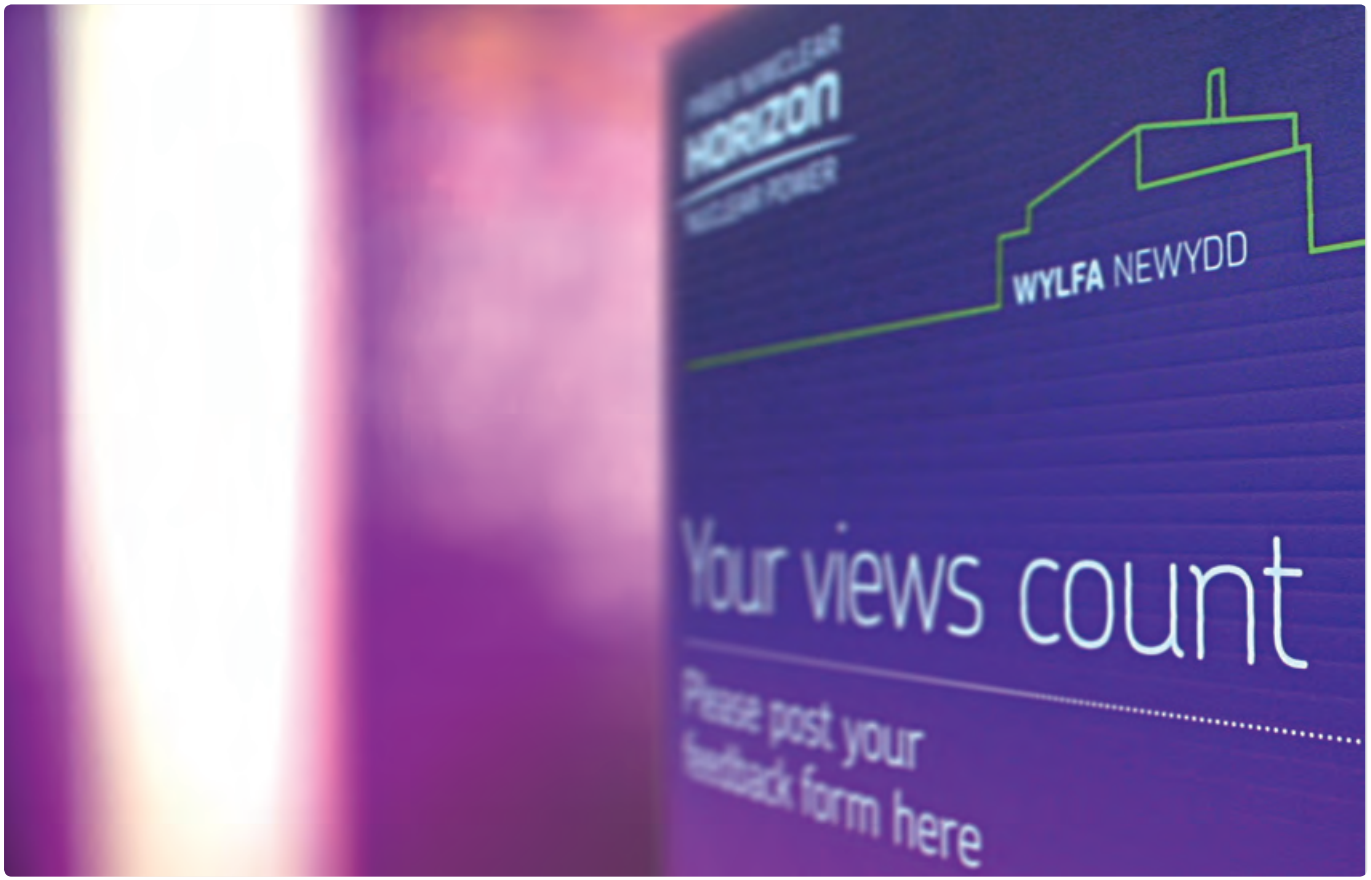
These four documents are available to download from our website, **www.horizonnuclearpower.com/consultation**, or to view in hard copy format at our exhibitions.

SUPPORTING DOCUMENTS

The following supporting documents are available to provide you with additional information although they are not being formally consulted on:

- Wylfa Newydd Project Language Impact Assessment Scoping Report
- Wylfa Newydd Project Health Impact Assessment Scoping Report
- Wylfa Newydd Project Sustainability Assessment Scoping Report

These three documents are available to download from our website, **www.horizonnuclearpower.com/consultation.**



If you would like a large text or alternative version of this document, please contact us on **0800 954 9516** or go to our website: **www.horizonnuclearpower.com/consultation**

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Notes

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CONTACT US:
If you have any questions or feedback regarding the Wylfa Newydd Project you can contact us on our dedicated Wylfa Newydd freephone hotline and email address, by calling on **0800 954 9516** or emailing **wylfaenquiries@horizonnuclearpower.com**

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Appendix A.7- Feedback acknowledgement postcard

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Diolch i chi am gyflwyno eich adborth ar ein cynigion ar gyfer gorsaf bŵer niwclear newydd yn Wylfa. Mae eich sylwadau wedi cael eu cofnodi a byddan nhw'n cael eu hadolygu'n annibynnol.

Bydd yr adborth a gawn yn ystod yr ymgynghoriad yn helpu i siapio'r Prosiect – **mae eich sylwadau yn cyfri**.

Thank you for submitting your feedback on our proposals for a new nuclear power station at Wylfa. Your comments have been logged and will be independently reviewed.

The feedback we receive during the consultation will help shape the Project – **your views really do count**.

FRANKED AREA

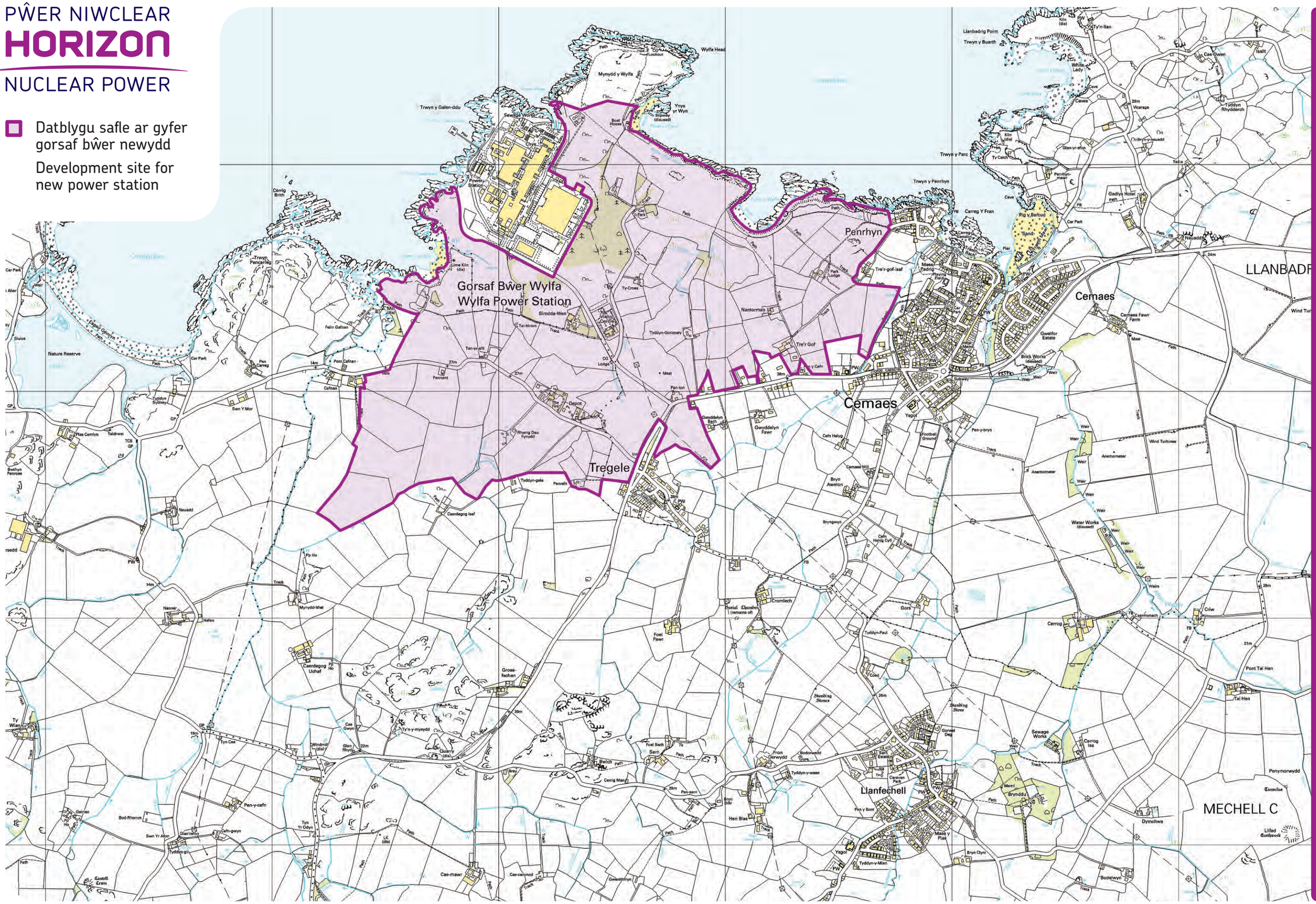
MRS A SAMPLE STICKER
SAMPLE HOUSE
SAMPLE STREET
SAMPLETOWN
SAMPLESHIRE
POST CODE

Appendix A.7- Development Site map panels

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Datblygu safle ar gyfer gorsaf bŵer newydd

Development site for new power station


Gorsaf Bŵer Wylfa
Wylfa Power Station
Penrhyn
Cemaes
Tregele
Llanfechell
LLANBADR
MECHELL C
Wylfa Head
Mynydd y Wylfa
Trwyn y Galen-ddu
Cerrig Brith
Trwyn Pancarreg
Nature Reserve
Llanbadrig Point
Trwyn y Buarth
Trwyn y Parc
Trwyn y Penrhyn
Carreg Y Fran
Rig y Barcud
Tŷ'n-llan
Cae-Gwen
Tyddyn Rhydderch
Glen-yr-afon
Penrhyn-mawr
Gadlys Hotel
Nebiadd
Cemaes Fawr Farm
Gwelfor Estate
Brick Works (disused)
Tre'r Gof
Tre'r-gof-isaf
Nantorman
Tŷ-Croes
Simdda-Wen
Tai-hirion
Felin Gafnan
Pont Cafnan
Cefnsan
Pennant
Tan-yr-allt
Pen-lon
Tyddyn-Goromwy
Swn Y Mor
Tyddyn Sydney
Taldrwst
Plas Camlyn
Bwthyn Penroes
Neuadd
Nanner
Hafan
Mynydd-Ithel
Caerdegog Uchaf
Caerdegog Isaf
Tyddyn-gele
Penralh
Groes-fachan
Tŷ Wian
Tyn Cae
Windmill (disl)
Glan Rhyddan
Tŷ'n-y-mynydd
Quarry (disl)
Cae Gwyn
Gelran
Bod-Rhonyn
Swn Yr Afon
Glan'rafon
Cefn-gwyn
Tyddyn-gil
Pen-y-cefn
Tyn Yr Odyn
Castell Crwn
Cae-mawr
Cae-cwmmod
Gwenallryn
Foel Fawr
Foel Bach
Sarn
Bwlch
Cerrig Main
Pen-sarn
Hen Blas
Bryn Celyn
Tyddyn-y-waen
From Derwydd
Bodorwedd
Tyddyn-y-Mieri
Sarn Estate
Caravan Park
Meini Brynddu
Maes y Plas
Bryn Clyni
Pen y Bont
Gorwel Deg
Sewage Works
Carrog Isa
Penymorwydd
Tumulus
Dymchwa
Llifad Earthwork
Pont Tal Hen
Tal Hen
Carrog
Criw
Carmynach
Water Works (disused)
Anemometer
Wind Turbines
Cemaes Mill
Bryn Awelon
Bryngwyn
Cefn Helyg Cyll
Cromlech
Burial Chamber (remains of)
Gors
Tyddyn-Paul
Coed
Stambling Stones
Stambling Stone
Cefn Helyg
Gwyddelyn Bach
Gwyddelyn Fawr
Pen-y-bryn
Football Ground
Ysgol
Tŷ-Mawr
Tŷ-Isaf
Tŷ-Uchaf
Tŷ-Gwyn
Tŷ-Coch
Tŷ-Du
Tŷ-Newydd
Tŷ-Capel
Tŷ-Ffynnon
Tŷ-Hen
Tŷ-Bach

Appendix A.7- Maximising Inclusion Strategy

Maximising Inclusion Strategy

Promoting awareness of, and encouraging participation in, Horizon's pre-application consultations on Anglesey.

INTRODUCTION

The purpose of this document is to outline how Horizon Nuclear Power Wylfa Limited (Horizon) intends to reach out and engage with the diverse communities on Anglesey before, and during, its public consultation for a new nuclear power station on Anglesey. This document has a particular focus on those who traditionally do not, or find it difficult to, actively respond to formal consultations (sometimes referred to as 'hard or difficult to reach' groups).

This strategy sits alongside the Statement of Community Consultation (SOCC), which sets out how Horizon will consult with the local community on its proposals for a new nuclear power station at Wylfa (Power Station).

GUIDANCE ON HARD TO REACH GROUPS

The Power Station is classified as a nationally significant infrastructure project under the Planning Act 2008 and therefore requires a development consent order, granted by the Secretary of State for the Department of Energy and Climate Change.

Under Section 47 of the Planning Act 2008, Horizon has a statutory duty to consult with the local community before submitting an application for a development consent order.

The Department of Communities and Local Government has published the Planning Act 2008 – Guidance on the Pre-Application process (April 2013) (DCLG Guidance) which states that "an inclusive approach is needed to ensure that different groups have the opportunity to participate and are not disadvantaged in the process" (para. 37). It is acknowledged that the local authority should "provide expertise about the make-up of its area, including whether people in the area might have particular needs or requirements, whether the authority has identified any groups as difficult to reach and what techniques might be appropriate to overcome barriers to communication" (para 27).

APPROACH

Horizon is committed to a meaningful, inclusive and clear consultation.

This involves working with all the local communities, including marginalised individuals or groups, and ensuring that people (where possible) have equal opportunity to access information about the proposals and are able to respond to the consultation using an appropriate channel.

The overall objective is to engage with target groups on an ongoing basis but with particular focus before and during pre-application consultation periods to raise awareness and encourage participation. This strategy focuses on communities in consultation zone A due to their proximity to the site and the proposed development, although some activity will inevitably take place across zones B and C.

As part of the wider programme to identify relevant stakeholders, particular groups have been identified and prioritised as the Maximising Inclusion Strategy has been developed. These groups are made up of those who are most likely to face barriers to participating in the consultation process and be at a disadvantage because of socio-economic factors and/or access issues. It is considered that these groups could potentially be overlooked and unintentionally excluded in the absence of a specific strategy to encourage participation.

The key target groups for the Maximising Inclusion Strategy are:

- young people
- older people
- economically inactive people
- socially deprived communities
- disabled people and people with learning difficulties
- minority ethnic groups
- groups representing religions and other beliefs
- lesbian, gay, bisexual and transgender community
- holiday home owners.

The groups were selected in close collaboration with the Isle of Anglesey County Council (the Council), as recommended in the DCLG guidance. Initial meetings were held with the Council's Economic Development Department and Corporate Policy Group to seek advice on the types of groups that should be specifically targeted and the best ways to reach them. Based on the list supplied by the Council's Corporate Policy Group of relevant organisations that work with specific groups, a comprehensive list of 'gatekeepers' – i.e. organisations and individuals working with and/or representing the target groups – was created. Some of these organisations cover more than one target group.

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Meetings were held with a number of gatekeeper organisations to seek advice on how Horizon might be able to utilise existing knowledge, networks and communication channels to raise awareness of its consultation within communities on Anglesey. These meetings were the first step in establishing lasting links and relationships with groups who actively support marginalised, disadvantaged or disengaged communities and individuals.

Horizon met with and sought advice from the following representative individuals/organisations:

- **Anglesey Federation of Young Farmers Clubs** – representing six young farmers clubs clubs, and around 150 members aged 10-26 on Anglesey
- **Citizens Advice Bureau Anglesey** – the local Citizens Advice Bureau service providing specialist advice on welfare, benefits, finance, housing and employment issues
- **Môn CF (previously Communities First)** – a registered charity set up in 2012 merging the five former Communities First partnerships on Anglesey into one large organisation to support and improve living conditions and prospects in the most deprived wards on Anglesey
- **IoACC Older People's Strategy Officer** – responsible for ensuring equality, promoting the engagement of people aged 50+ and safeguarding their rights and wellbeing
- **IoACC Policy and Strategy Unit** – responsible for all Council-related consultations and community engagement, with increasing emphasis on 'hard to reach' groups
- **Regional Community Cohesion Coordinator** – based at IoACC, responsible for supporting community cohesion across Conwy, Gwynedd and Anglesey
- **IoACC Social Services** – responsible for the social welfare of people on Anglesey, including young and older people, mentally and physically disabled people
- **IoACC Youth Service** – the local authority's service to engage with and support young people especially in areas facing social deprivation and/or discrimination
- **Jobcentre Plus/Môn Menai Inactivity Project** – working with the unemployed and economically inactive, bringing together all the relevant support agencies
- **Llais Ni** – a project to empower young people and give them a chance to give their views on a range of topics relevant to them (there are five young people's forums on Anglesey)
- **Llwyddo'n Lleol ('Succeeding Locally')** – a project aimed at creating a culture of enterprise among young people on Anglesey, and promoting local career and business opportunities
- **Medrwn Môn** – an independent agency providing support and advice to a wide range of voluntary and community groups on Anglesey
- **Taran Disability Forum** – a social enterprise group working to provide disabled adults with training and employment opportunities
- **North Wales Police Diversity Officer** – responsible for the running of the North Wales LGBT Consultation Group
- **North Wales Regional Equality Network (NWREN**) - a charity working with service providers and service users to ensure equality of opportunity for all persons including those that fall within the protected characteristics as defined in the Equality Act 2010
- **Stonewall Cymru** – an all-Wales organisation that works in partnership with statutory bodies and other organisations to achieve legal equality and social justice for lesbian, gay and bisexual people in Wales
- **Community Voice** – a Lottery-funded project administered by Medrwn Môn designed to get local people more involved in designing and delivering services for their communities.

KEY CHALLENGES

The meetings held with 'gatekeeper' organisations enabled Horizon to gain a deeper understanding of the groups it aims to target through the Maximising Inclusion Strategy. They also highlighted a number of key considerations and challenges which Horizon will take into account when planning its consultation programme:

- Getting **young people** interested is particularly challenging, and any efforts to consult with them must be interactive, relevant and fun, involving less reading and writing than for adults. Online activities (including social media) are increasingly becoming the most effective way to communicate and raise awareness with young people.
- Many active and mobile **older people** get involved with activities run under the Council's Older People's Strategy and Agewell initiative. However there are many other older people who have health problems and who are housebound. Those receiving domiciliary care or who are in nursing homes generally have a high level of need and therefore it is harder for them to access consultation events.
- Around 36% of people on Anglesey are **economically inactive**, and there is a high level of illiteracy among adults. Furthermore, many people on Anglesey are not online. Consultation methods involving reading and writing, or requiring internet access, may therefore exclude some parts of the community. Support and guidance should be provided to assist participation.
- 2% of Isle of Anglesey's areas fall within the 10% most **socially deprived** in Wales, as identified by the Welsh Index of Multiple Deprivation 2011 . These communities are often self-contained and disengaged.

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- The term **'disabled'** encompasses a vast range of needs and access issues; this group is the least homogeneous and will call for a combination of methods and information formats in order to ensure full inclusion of people with different mental and physical disabilities.
- **Holiday home owners** are an important group in that they spend a lot of time on Anglesey and are likely to be impacted in some way by Horizon's proposals, but they are difficult to locate and therefore particularly hard to reach.
- Whilst 98% of people on Anglesey are from a white ethnic background (almost all of whom are also identified as British), according to 2011 Census figures , the number of people from **minority ethnic groups** is likely to increase due to migration trends. Those from minority ethnic backgrounds are often hidden in society and identifying cultural and language needs careful consideration.

MOVING FORWARD

In planning its local community consultation programme, Horizon will consider the need to be as inclusive as possible and how best to maximise reach using existing communication channels. The principle of maximising inclusion will be followed throughout the planning and delivery of engagement activities and the consultation itself.

Many of the groups identified above will be targeted through the project's core engagement and communication activities, e.g. the Project Liaison Group (PLG), the newsletter, and monthly surgeries. In addition, Horizon will plan a detailed programme of activities which specifically aims to promote awareness of its consultation amongst potentially marginalised and excluded groups. This will be delivered before and during the first phase of consultation, and will broadly involve:

- Maximising the use of existing communication methods and networks with which people are already engaged, using online and offline communication channels which specifically target the identified groups (e.g. community and sector-specific newsletters, websites).
- Ensuring that all non-technical documents are bilingual (Welsh and English) and considering requests for consultation materials in different languages and formats, and making them available where appropriate.
- Delivering tailored presentations to representative forums and organisations to raise awareness of Horizon's proposals, increase understanding of, and encourage participation in, its consultation process.
- Attending events which specifically target the identified groups.
- Considering how best to establish dialogue with appropriate target groups through online media. Ensuring that a reasonable proportion of consultation exhibitions and drop-in surgeries are held in venues visited by target groups.
- Where appropriate, minimising the use of technical language and jargon in written consultation materials to ensure that basic messages reach all audiences regardless of age and literacy levels.
- Providing briefings and updates for relevant support agencies on the proposals, the consultation process and how to participate so that they are confident and able to inform and advise service users about the Horizon consultation and possible impacts of the development.
- Targeting holiday parks/second homes with tailored information to encourage seasonal visitors to sign up for future information about the consultation at their home address.
- Providing a staffed, dual language (English and Welsh) telephone helpline to deal with any queries about the project and the consultation process and give guidance on submitting feedback.
- Ensuring distribution of information materials (e.g. Horizon newsletter) and consultation advertisements covers grassroots locations and community groups.
- Ensuring that consultation venues are fully accessibly, and that events are held in locations which are regularly attended by marginalised groups – including people in rural communities.
- Maintaining an ongoing dialogue with organisations representing and working with the identified target groups to monitor and review the inclusivity of engagement and consultation efforts.

Since the initial meetings listed earlier in this document, Horizon has progressed with detailed planning of the activities with a view to implementing the programme between August and December 2014.

This strategy will be reviewed ahead of the second stage of consultation to monitor its success in relation to the target groups outlined above. Findings from the first stage of consultation will be used during the planning of the second stage of consultation, and will feed into a revised Maximising Inclusion Strategy as appropriate.

[1]See www.gov.uk/government/publications/guidance-on-the-pre-application-process-for-major-infrastructure-projects

[2]SourceL Welsh Index of Multiple Deprivation 2011, Summary Report. Found at http://wales.gov.uk/docs/statistics/2011/110831wimd11summaryen.pdf

[3]Source: http://wales.gov.uk/docs/statistics/2012/121217sb1262012en.pdf

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Strategaeth Cynyddu Cynhwysiant

Codi ymwybyddiaeth o ymgynghoriadau cyn ymgeisio Horizon ar Ynys Môn ac annog pobl i gymryd rhan.

CYFLWYNIAD

Diben y ddogfen hon ydy amlinellu sut mae Pŵer Niwclear Horizon Cyfyngedig (Horizon) yn bwriadu cyrraedd ac ymgysylltu â'r cymunedau amrywiol ar Ynys Môn cyn, ac yn ystod, ei ymgynghoriad cyhoeddus ar gyfer gorsaf bŵer niwclear newydd ar Ynys Môn. Mae'r ddogfen hon yn canolbwyntio'n benodol ar y rheini nad ydyn nhw'n draddodiadol yn ymateb i ymgynghoriadau ffurfiol, neu maen nhw'n ei chael hi'n anodd gwneud hynny (weithiau mae'r bobl hyn yn cael eu galw yn grwpiau 'anodd eu cyrraedd').

Mae'r strategaeth hon yn eistedd ochr yn ochr â'r Datganiad o Ymgynghori Cymunedol, sy'n nodi sut bydd Horizon yn ymgynghori â'r gymuned leol ynghylch ei gynigion ar gyfer gorsaf bŵer niwclear newydd yn Wylfa (Gorsaf Bŵer).

CANLLAWIAU AR GRWPIAU ANODD EU CYRRAEDD

Mae'r Orsaf Bŵer yn cael ei dosbarthu fel prosiect seilwaith sydd â phwysigrwydd cenedlaethol o dan Ddeddf Cynllunio 2008 ac felly rhaid cael gorchymyn cydsyniad datblygu ar ei chyfer, a'r Ysgrifennydd Gwladol dros yr Adran Ynni a Newid Hinsawdd sy'n rhoi hwnnw.

O dan Adran 47 o Ddeddf Cynllunio 2008, mae gan Horizon ddyletswydd statudol i ymgynghori â'r gymuned leol cyn cyflwyno cais am orchymyn cydsyniad datblygu.

Mae'r Adran Cymunedau a Llywodraeth Leol wedi cyhoeddi Deddf Cynllunio 2008 – Canllawiau ar y Broses Cyn Ymgeisio (Ebrill 2013) sy'n nodi bod angen dull gweithredu cynhwysol er mwyn sicrhau bod grwpiau gwahanol yn cael y cyfle i gymryd rhan ac nad ydyn nhw dan anfantais yn y broses (paragraff 37). Cydnabyddir y dylai'r awdurdod lleol ddarparu arbenigedd am gyfansoddiad ei ardal, gan gynnwys a allai pobl yn yr ardal fod ag anghenion neu ofynion penodol, a ydy'r awdurdod wedi nodi unrhyw grwpiau fel rhai anodd eu cyrraedd a pha dechnegau allai fod yn briodol i oresgyn rhwystrau ar gyfer cyfathrebu (paragraff 27).

DULL GWEITHREDU

Mae Horizon wedi ymrwymo i ymgynghoriad ystyrlon, cynhwysol a chlir.

Mae hyn yn golygu gweithio gyda'r holl gymunedau lleol, gan gynnwys unigolion neu grwpiau ymylol, a sicrhau bod pobl (pan fo'n bosibl) yn cael cyfle cyfartal i gael gafael ar wybodaeth am y cynigion a'u bod yn gallu ymateb i'r ymgynghoriad drwy ddefnyddio sianel briodol.

Yr amcan cyffredinol ydy ymgysylltu â grwpiau targed yn barhaus ond gyda ffocws penodol cyn ac yn ystod cyfnodau ymgynghori cyn ymgeisio er mwyn codi ymwybyddiaeth ac annog pobl i gymryd rhan. Mae'r strategaeth hon yn canolbwyntio ar gymunedau ym mharth ymgynghori A oherwydd eu bod yn agos at y safle a'r datblygiad arfaethedig, er mae'n anochel y bydd rhywfaint o weithgarwch yn digwydd ar draws parthau B ac C.

Fel rhan o'r rhaglen ehangach i nodi rhanddeiliaid allweddol, mae grwpiau penodol wedi cael eu nodi a'u blaenoriaethu wrth ddatblygu'r Strategaeth Cynyddu Cynhwysiant. Mae'r grwpiau hyn yn cynnwys y rheini sydd fwyaf tebygol o wynebu rhwystrau i gymryd rhan yn y broses ymgynghori a bod dan anfantais oherwydd ffactorau economaidd-gymdeithasol a/neu faterion sy'n ymwneud â mynediad. Ystyrir y gallai'r grwpiau hyn o bosibl gael eu hanwybyddu a'u heithrio'n anfwriadol oherwydd nad oes strategaeth benodol i'w hannog i gymryd rhan.

Dyma'r prif grwpiau targed ar gyfer y Strategaeth Cynyddu Cynhwysiant:

- pobl ifanc
- pobl hŷn
- pobl sy'n economaidd anweithgar
- cymunedau o amddifadedd cymdeithasol
- pobl anabl a phobl ag anawsterau dysgu
- grwpiau lleiafrifoedd ethnig
- grwpiau sy'n cynrychioli crefyddau a chredoau eraill
- y gymuned lesbiaidd, hoyw, deurywiol a thrawsryweddol
- perchnogion cartrefi gwyliau.

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Cafodd y grwpiau hyn eu dewis drwy gydweithrediad agos â Chyngor Sir Ynys Môn (y Cyngor), fel sy'n cael ei argymell yn y canllawiau gan yr Adran Cymunedau a Llywodraeth Leol. Cynhaliwyd cyfarfodydd cychwynnol gydag Adran Datblygu Economaidd y Cyngor a'r Grŵp Polisi Corfforaethol i ofyn am gyngor ar y mathau o grwpiau y dylid eu targedu'n benodol a'r ffyrdd gorau o'u cyrraedd. Ar sail y rhestr a roddwyd gan Grŵp Polisi Corfforaethol y Cyngor o fudiadau perthnasol sy'n gweithio gyda grwpiau penodol, crëwyd rhestr gynhwysfawr o fudiadau ac unigolion 'porthor' – hy mudiadau ac unigolion sy'n gweithio gyda a/neu yn cynrychioli'r grwpiau targed. Mae rhai o'r mudiadau hyn yn gweithio gyda mwy nag un grŵp targed.

Cynhaliwyd cyfarfodydd gyda nifer o fudiadau porthor er mwyn gofyn am gyngor ynghylch sut gallai Horizon ddefnyddio'r wybodaeth, y rhwydweithiau a'r sianeli cyfathrebu sydd ar gael er mwyn codi ymwybyddiaeth o'i ymgynghoriad yng nghymunedau Ynys Môn. Y cyfarfodydd hyn oedd y cam cyntaf i sefydlu cysylltiadau a pherthnasau a fydd yn para gyda grwpiau sy'n cefnogi cymunedau ac unigolion ymylol, dan anfantais neu wedi ymddieithrio.

Cyfarfu Horizon â'r unigolion/sefydliadau cynrychioladol canlynol a gofyn am gyngor ganddyn nhw:

- **Ffederasiwn Clybiau Ffermwyr Ifanc Ynys Môn** – sy'n cynrychioli chwech o glybiau ffermwyr ifanc, ac oddeutu 150 o aelodau 10-26 oed ar Ynys Môn.
- **Cyngor ar Bopeth Ynys Môn** – y gwasanaeth Cyngor ar Bopeth lleol sy'n darparu cyngor arbenigol ar faterion sy'n ymwneud â lles, budd-daliadau, cyllid, tai a chyflogaeth
- **Môn CF (Cymunedau yn Gyntaf o'r blaen)** – elusen gofrestredig a sefydlwyd yn 2012 i uno'r pum hen bartneriaeth Cymunedau yn Gyntaf ar Ynys Môn yn un mudiad mwy er mwyn cefnogi a gwella amodau byw a rhagolygon y wardiau sydd â'r amddifadedd mwyaf ar Ynys Môn
- **Swyddog Strategaeth Pobl Hŷn Cyngor Sir Ynys Môn** – sy'n gyfrifol am sicrhau cydraddoldeb, hybu ymgysylltiad pobl 50+ a diogelu eu hawliau a'u lles
- **Uned Polisi a Strategaeth Cyngor Sir Ynys Môn** – sy'n gyfrifol am yr holl ymgynghoriadau ac ymgysylltu cymunedol sy'n ymwneud â'r cyngor, gyda mwy o bwyslais ar grwpiau 'anodd eu cyrraedd'
- **Cydlynydd Cydlyniant Cymunedol Rhanbarthol** – yn gweithio yng Nghyngor Sir Ynys Môn, yn gyfrifol am gefnogi cydlyniant cymunedol ar draws Conwy, Gwynedd ac Ynys Môn
- **Gwasanaethau Cymdeithasol Cyngor Sir Ynys Môn** – yn gyfrifol am les cymdeithasol pobl Ynys Môn, gan gynnwys pobl ifanc a phobl hŷn, a phobl sydd ag anableddau corfforol neu feddyliol
- **Gwasanaeth Ieuenctid Cyngor Sir Ynys Môn** – gwasanaeth yr awdurdod lleol i gefnogi ac ymgysylltu â phobl ifanc yn enwedig mewn ardaloedd sy'n wynebu amddifadedd cymdeithasol a/neu wahaniaethu
- **Canolfan Byd Gwaith/Prosiect Anweithgarwch Môn Menai** - yn gweithio gyda phobl ddi-waith ac economaidd anweithgar, gan ddod â'r holl asiantaethau cefnogi perthnasol at ei gilydd
- **Llais Ni** - prosiect i rymuso pobl ifanc a rhoi cyfle iddyn nhw roi eu safbwyntiau ar ystod o bynciau sy'n berthnasol iddyn nhw (mae pum fforwm pobl ifanc ar Ynys Môn)
- **Iwyddo'n Lleol** - prosiect sydd wedi'i anelu at greu diwylliant o fentergarwch ymysg pobl ifanc ar Ynys Môn, a hybu cyfleoedd gyrfa a busnes lleol
- **Medrwn Môn** - asiantaeth annibynnol sy'n darparu cefnogaeth a chyngor i ystod eang o grwpiau gwirfoddol a chymunedol ar Ynys Môn
- **Fforwm Anabledd Taran** – grŵp menter gymdeithasol sy'n gweithio i roi cyfleoedd hyfforddiant a chyflogaeth i oedolion anabl
- **Swyddog Amrywiaeth Heddlu Gogledd Cymru** – sy'n gyfrifol am redeg Grŵp Ymgynghori LGBT Gogledd Cymru
- **Rhwydwaith Cydraddoldeb Rhanbarthol Gogledd Cymru (NWREN)** - elusen sy'n gweithio gyda darparwyr gwasanaethau a defnyddwyr gwasanaethau i sicrhau cyfle cyfartal i bawb gan gynnwys y rheini sydd â nodweddion gwarchodedig fel sy'n cael eu diffinio yn Neddf Cydraddoldeb 2010
- **Stoenwall Cymru** – mudiad sy'n gweithio ar draws Cymru sy'n gweithio mewn partneriaeth â chyrff statudol a mudiadau eraill i sicrhau cydraddoldeb cyfreithiol a chyfiawnder cymdeithasol i bobl lesbiaidd, hoyw a deurywiol yng Nghymru
- **Llais Cymunedol** – prosiect sy'n cael ei ariannu gan y Loteri ac sy'n cael ei weinyddu gan Medrwn Môn sydd wedi'i ddylunio i gael pobl i gymryd mwy o ran yn y gwaith o ddylunio a darparu gwasanaethau ar gyfer eu cymunedau.

Y PRIF SIALENSIAU

Roedd y cyfarfodydd a gynhaliwyd gyda'r mudiadau 'porthor' wedi galluogi Horizon i ddeall yn well y grwpiau mae'n ceisio eu targedu drwy'r Strategaeth Cynyddu Cynhwysiant. Roedden nhw hefyd wedi tynnu sylw at nifer o ystyriaethau a sialensiau allweddol y bydd Horizon yn eu hystyried wrth gynllunio ei raglen ymgynghori:

- Mae cael **pobl ifanc** i ddangos diddordeb yn anodd iawn, a rhaid i unrhyw ymdrech i ymgynghori â nhw fod yn rhagweithiol, yn berthnasol ac yn hwyl, gan gynnwys llai o ddarllen ac ysgrifennu nag i oedolion. Mae gweithgareddau ar-lein (gan gynnwys cyfryngau cymdeithasol) yn prysur ennill eu lle fel y ffordd fwyaf effeithiol o gyfathrebu a chodi ymwybyddiaeth gyda phobl ifanc.
- Mae nifer o **bobl hŷn** sy'n actif ac yn gallu teithio yn cymryd rhan mewn gweithgareddau sy'n cael eu cynnal o dan Strategaeth Pobl Hŷn y Cyngor a'r cynllun Agewell. Serch hynny mae nifer o bobl hŷn eraill sydd â phroblemau iechyd ac sy'n gaeth i'w cartrefi. Yn gyffredinol mae gan y rheini sy'n cael gofal yn y cartref neu sydd mewn cartrefi nyrsio lefel uchel o angen ac felly mae hi'n anoddach iddyn nhw gymryd rhan mewn digwyddiadau ymgynghori.
- Mae tua 36% o bobl ar Ynys Môn yn **economaidd anweithgar**, ac mae lefel uchel o anllythrennedd ymysg oedolion. Ar ben hynny, mae nifer o bobl ar Ynys Môn heb gysylltiad â'r rhyngrwyd. Felly gall dulliau ymgynghori sy'n cynnwys darllen ac ysgrifennu, neu sy'n gofyn am fynediad i'r rhyngrwyd, olygu does dim modd i rai rhannau o'r gymuned gymryd rhan. Dylid darparu cefnogaeth a chanllawiau er mwyn eu helpu i gymryd rhan.
- Mae 2% o ardaloedd Ynys Môn yn perthyn i'r 10% o ardaloedd â'r **amddifadedd mwyaf yn gymdeithasol** yng Nghymru, fel y nodir gan Fynegai Amddifadedd Lluosog Cymru 2011 . Mae'r cymunedau hyn yn aml yn cynnal eu hunain ac wedi ymddieithrio.

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- Mae'r term **'anabl'** yn cynnwys ystod eang o anghenion a materion mynediad; y grŵp hwn yw'r lleiaf cydryw a bydd yn galw am gyfuniad o ddulliau a fformatau gwybodaeth er mwyn sicrhau bod pobl sydd ag anableddau meddwl a chorfforol gwahanol yn cael eu cynnwys yn llawn.
- Mae **perchnogion cartrefi gwyliau** yn grŵp pwysig gan eu bod yn treulio llawer o amser ar Ynys Môn ac mae'n debyg y bydd cynigion Horizon yn effeithio arnyn nhw mewn rhyw ffordd, ond mae'n anodd dod o hyd iddyn nhw ac felly mae'n arbennig o anodd eu cyrraedd.
- Er bod 98% o bobl Ynys Môn o gefnir ethnig gwyn (mae'r cyfan bron hefyd yn cael eu hadnabod fel pobl Brydeinig), yn ôl ffigurau Cyfrifiad 2011 , mae'n debyg y bydd nifer y bobl o grwpiau ethnig lleiafrifol yn tyfu oherwydd patrymau mudo. Mae'r rheini a ddaw o gefndiroedd ethnig lleiafrifol yn aml yn gudd mewn cymdeithas ac mae angen rhoi ystyriaeth ofalus i adnabod anghenion diwylliannol ac ieithyddol.

SYMUD YMLAEN

Wrth gynllunio ei raglen ymgynghori cymunedol, bydd Horizon yn ystyried yr angen i fod mor gynhwysol â phosibl a'r ffordd orau o gynyddu'r cyrhaeddiad drwy ddefnyddio'r sianeli cyfathrebu presennol. Bydd yr egwyddor o gynyddu cynhwysiant yn cael ei dilyn drwy gydol y gwaith o gynllunio a darparu gweithgareddau ymgysylltu a'r ymgynghoriad ei hun.

Bydd nifer o'r grwpiau sydd wedi cael eu nodi uchod yn cael eu targedu drwy weithgareddau ymgysylltu a chyfathrebu craidd y prosiect, ee Grŵp Cyswllt y Prosiect, y cylchlythyr a'r cymorthfeydd misol. Ar ben hynny, bydd Horizon yn cynllunio rhaglen fanwl o weithgareddau sydd â'r nod penodol o hybu ymwybyddiaeth o'i ymgynghoriad ymysg grwpiau a allai fod yn ymylol ac wedi'u heithrio. Bydd hyn yn cael ei wneud cyn ac yn ystod cam cyntaf yr ymgynghoriad, ac yn gyffredinol bydd yn golygu:

- Cynyddu'r defnydd o ddulliau a rhwydweithiau cyfathrebu presennol sydd eisoes yn ymgysylltu â phobl, defnyddio sianeli cyfathrebu ar-lein ac all-lein sy'n targedu'r grwpiau a nodwyd yn benodol (ee gwefannau, cylchlythyrau sydd ar gyfer cymunedau a sectorau penodol).
- Sicrhau bod yr holl ddogfennau annhechnegol yn ddwyieithog (Cymraeg a Saesneg) ac ystyried ceisiadau am ddeunyddiau ymgynghori mewn ieithoedd a fformatau gwahanol, a'u darparu pan fydd hynny'n briodol.
- Darparu cyflwyniadau wedi'u teilwra i fforymau a mudiadau cynrychioladol er mwyn codi ymwybyddiaeth o gynigion Horizon, cynyddu dealltwriaeth o'i broses ymgynghori ac annog pobl i gymryd rhan ynddi.
- Bod yn bresennol mewn digwyddiadau sy'n targedu'r grwpiau a nodwyd yn benodol.
- Ystyried y ffordd orau o sefydlu deialog gyda grwpiau targed priodol drwy gyfryngau ar-lein. Sicrhau bod cyfran resymol o'r arddangosfeydd ymgynghori a'r cymorthfeydd galw-draw yn cael eu cynnal mewn lleoliadau mae'r grwpiau targed yn ymweld â nhw.
- Pan fo'n briodol, defnyddio llai o iaith dechnegol a jargon mewn deunyddiau ymgynghori ysgrifenedig i sicrhau bod y neges sylfaenol yn cyrraedd pob cynulleidfa dim ots beth ydy eu hoed a'u lefelau llythrennedd.
- Darparu sesiynau briffio a diweddariadau i asiantaethau cefnogi perthnasol ynghylch y cynigion, y broses ymgynghori a sut mae cymryd rhan er mwyn sicrhau eu bod yn hyderus ac yn gallu cynghori a rhoi gwybod i ddefnyddwyr gwasanaeth am ymgynghoriad Horizon ac effeithiau posibl y datblygiad.
- Targedu'r parciau gwyliau/ail gartrefi gyda gwybodaeth wedi'i theilwra er mwyn annog yr ymwelwyr tymhorol i gofrestru i gael gwybodaeth yn y dyfodol am yr ymgynghoriad yng nghyfeiriad eu cartref.
- Darparu llinell gymorth ddwyieithog (Cymraeg a Saesneg) wedi'i staffio i ddelio ag unrhyw ymholiadau ynghylch y prosiect a'r broses ymgynghori a rhoi canllawiau ar gyflwyno adborth.
- Sicrhau bod y deunyddiau gwybodaeth (ee cylchlythyr Horizon) a'r hysbysebion sy'n cael eu dosbarthu ynghylch yr ymgynghoriad yn cyrraedd lleoliadau ar lawr gwlad a grwpiau cymunedol.
- Sicrhau bod lleoliadau'r ymgynghoriad yn hollol hygyrch, a bod y digwyddiadau'n cael eu cynnal mewn lleoliadau lle mae grwpiau ymylol yn ymweld â nhw'n rheolaidd - gan gynnwys pobl mewn cymunedau gwledig.
- Cynnal deialog barhaus gyda'r mudiadau sy'n cynrychioli ac yn gweithio gyda'r grwpiau targed a nodwyd i fonitro ac adolygu cynwysoldeb ymdrechion ymgysylltu ac ymgynghori.

Ers y cyfarfodydd cychwynnol a restrwyd yn gynharach yn y ddogfen hon, mae Horizon wedi symud ymlaen i gynllunio'r gweithgareddau'n fanwl gyda golwg ar roi'r rhaglen ar waith rhwng mis Awst a mis Rhagfyr 2014.

Bydd y strategaeth hon yn cael ei hadolygu cyn ail gam yr ymgynghoriad i fonitro ei lwyddiant mewn perthynas â'r grwpiau targed a amlinellir uchod. Bydd y canfyddiadau o'r cam cyntaf hwn o'r ymgynghoriad yn cael eu defnyddio i gynllunio ail gam yr ymgynghoriad, ac yn bwydo i Strategaeth Cynyddu'r Cynhwysiant ddiwygiedig fel sy'n briodol.

[1]Edrychwch ar www.gov.uk/government/publications/guidance-on-the-pre-application-process-for-major-infrastructure-projects

Ffynhonnell: Mynegai Amddifadedd Lluosog Cymru 2011, Adroddiad Cryno. Ar gael yn http://wales.gov.uk/docs/statistics/2011/110831wimd11summaryen.pdf

[3]Ffynhonnell: http://wales.gov.uk/docs/statistics/2012/121217sb1262012en.pdf

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Appendix A.7- Neighbourhood Support Scheme

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Wylfa Newydd Project

Neighbourhood Support Scheme



Introduction

Horizon Nuclear Power is preparing its proposals for a new nuclear power station (Power Station) on Anglesey (the Wylfa Newydd Project). The Wylfa Newydd Project will create significant opportunities and benefits for local communities as well as for the whole economy of Anglesey and beyond for many decades to come. But we appreciate that there will also be concerns about its effects on communities.

For large construction projects the planning processes, including the requirement for environmental impact assessment, are rigorous. We'll need to demonstrate how we believe the predicted effects of the project on the environment and communities can be kept within acceptable levels, both throughout the construction period and beyond.

Proposals to address or control the predicted effects of a project are often referred to as mitigation measures. These are approved through the planning system and are legally enforceable. Examples of mitigations include measures such as managing and controlling the amount and timing of construction traffic, and controlling construction lighting, noise or dust levels.

Construction of the Power Station will form a large scale project carried out over a relatively long period of time. We know that the potential effects of construction will be a particular concern to those living nearest to the Power Station Site. That's why we're proposing two measures, over and above the mitigation measures, as part of a **Neighbourhood Support Scheme** aimed at those closest to the Power Station Site. These are:

- **Property Price Support** – support for any residents living nearest to the Power Station Site whose property values are impacted by the development.
- **Disturbance Mitigation** – extra measures to reduce construction noise at affected properties.

The Neighbourhood Support Scheme is an entirely voluntary initiative, and will provide support over and above any statutory mitigation measures and controls.

This consultation document sets out our initial view of what the Neighbourhood Support Scheme could look like. It is important that we understand what you think so we can create a final Neighbourhood Support Scheme that is fair and effective.
For information on how to respond, turn to page 5.



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Property Price Support

WHAT IS IT?

Property Price Support is a voluntary support plan for residents living close to the Power Station Site who wish to move away but are experiencing difficulties because they cannot achieve a reasonable market price due to the Wylfa Newydd Project.

Our Property Price Support proposals draw upon relevant precedent from other similar projects and offer eligible residents the difference between the value of their property with and without the Power Station proposals, plus a sum of £5,000 to help with the costs of moving.

WHO WOULD BE ELIGIBLE FOR SUPPORT?

A Boundary Map included as Figure 1, shows where Property Price Support would apply. To receive Property Price Support, a number of criteria would need to be met, principally:

- The property was acquired by the applicant before December 2008 when the possibility of a new nuclear power station at Wylfa was first announced;
- The property is residential and is within the area shaded purple on the Boundary Map (Figure 1);
- The applicant is a property owner or holder of a long lease (with at least three years remaining); and
- The property has been marketed appropriately for at least six months and/or a Royal Institution of Chartered Surveyors (RICS) valuation has been carried out which suggests a loss of value, caused by the Wylfa Newydd Power Station proposals.

The Property Price Support plan would come into effect once significant site clearance begins in Autumn 2016, subject to obtaining the necessary permissions. Horizon would consider applications received before then where there are exceptional circumstances (see page 4). We propose to continue the Property Price Support plan until construction of the Power Station is completed, but the precise timing would be subject to review.

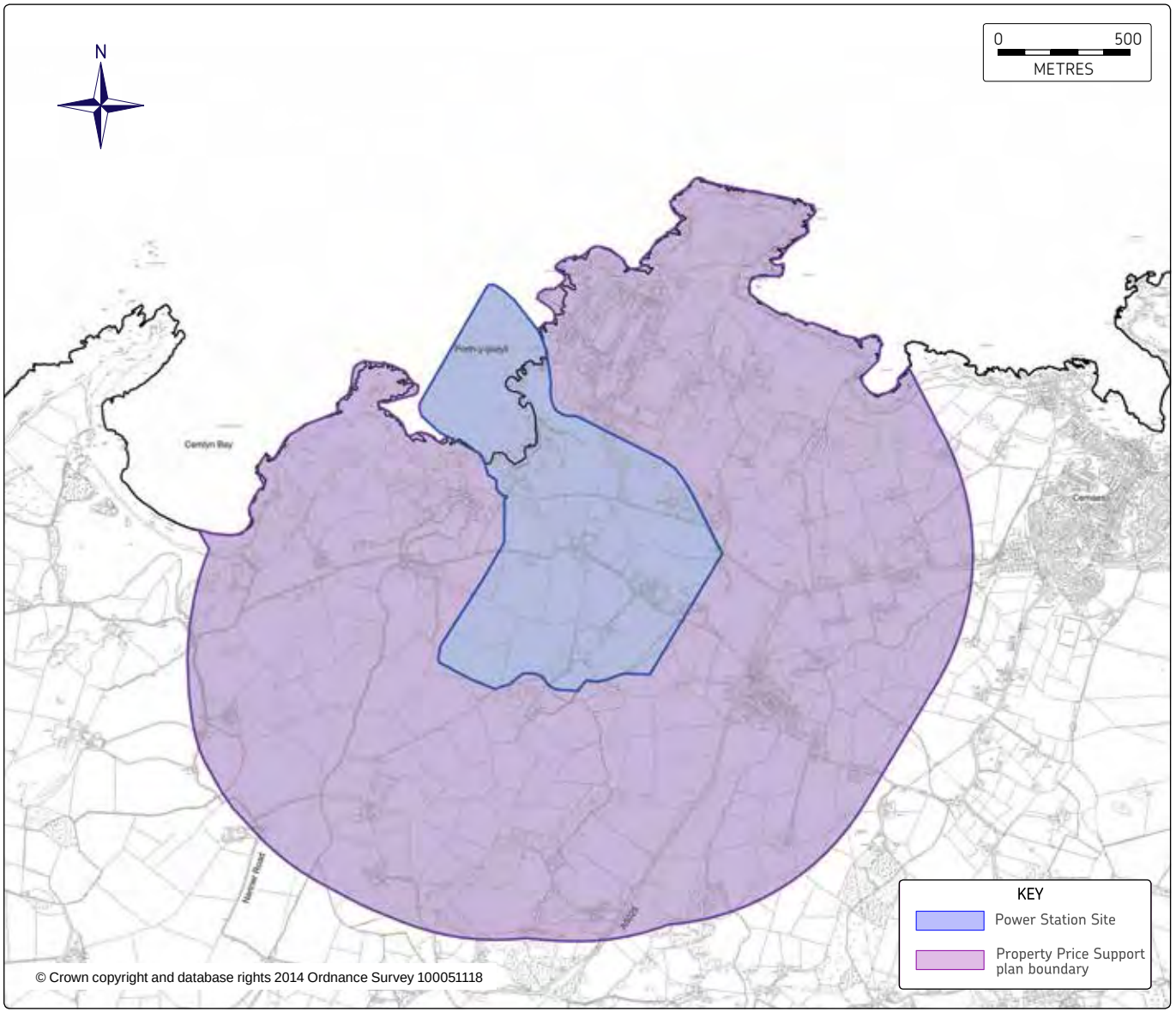


Figure 1: Eligible area for Property Price Support

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Property Price Support

HOW WOULD IT WORK?

Applicants wishing to benefit from Property Price Support would submit an application form, including evidence to show that the property meets the above eligibility criteria.

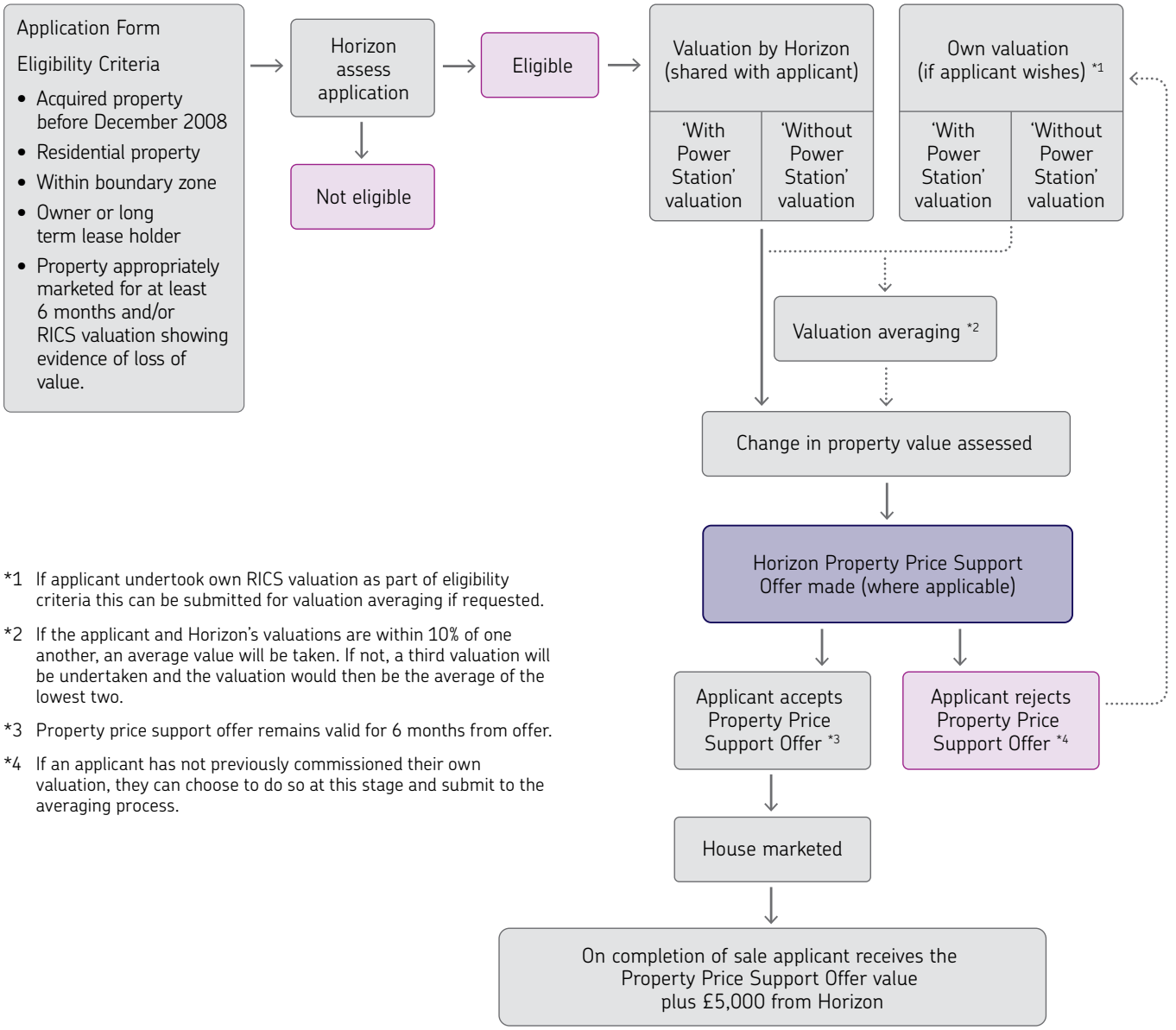
If accepted, we would use industry accepted practices to carry out valuations to establish the value of the property with the new Power Station proposals (the 'With Power Station' valuation) and also the valuation for the property assuming the Power Station had never been proposed (the 'Without Power Station' valuation). This would allow for a more accurate effect of the Power Station proposals on the property value to be assessed, and this information would be shared with the applicant.

In addition to valuations that we undertake, applicants may decide to carry out RICS valuations of their own. In such cases an average of our valuation and that of the applicant would be used where they differ by 10 percent or less. For differences of greater than 10 percent a further independent valuation would be commissioned by Horizon, and the average of the lowest two values would then be used.

We would offer the applicant the difference between the With Power Station valuation and Without Power Station valuation such that the applicant could go on to market their property. We would pay the agreed amount even if the property is sold for less or more than the With Power Station valuation. If the property has not sold after six months of marketing, the property would be revalued and, if applicable, a new offer made.

In addition to committing to paying the difference between the two valuations, we would also pay £5,000 to help with the costs of moving and any valuations undertaken by the applicant under the Property Price Support plan. Payments would be made upon completion of the sale.

The Property Price Support process included as Figure 2, shows, in principle, how the plan would work.



*1 If applicant undertook own RICS valuation as part of eligibility criteria this can be submitted for valuation averaging if requested.

*2 If the applicant and Horizon's valuations are within 10% of one another, an average value will be taken. If not, a third valuation will be undertaken and the valuation would then be the average of the lowest two.

*3 Property price support offer remains valid for 6 months from offer.

*4 If an applicant has not previously commissioned their own valuation, they can choose to do so at this stage and submit to the averaging process.

Figure 2: Property Price Support – process

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Disturbance Mitigation

EXCEPTIONAL CIRCUMSTANCES BEFORE PROPERTY PRICE SUPPORT COMES INTO EFFECT

We expect to finalise the Property Price Support plan in 2015 and for it to come into effect once significant site clearance begins in Autumn 2016 subject to obtaining the necessary permissions.

In exceptional circumstances, we would consider applications received after the Property Price Support plan is finalised but before it comes into effect. For example, it may be that an inability to move house and achieve a fair value would create exceptional hardship for domestic, employment, financial or medical reasons during this time period.

Such applications would be considered on a case by case basis. The normal eligibility requirements and application process would apply as described above, but applicants would also need to demonstrate the exceptional circumstances that lead to the need for early support.



WHAT IS IT?

Our environmental impact assessment work will, when complete, allow us to better understand the likely noise effects and the effectiveness of our planned mitigation measures. Disturbance Mitigation would be a voluntary plan designed to provide further noise reduction measures, over and above those required by the environmental impact assessment process. Applications would be considered on a case by case basis and might include additional noise insulation, double glazing, or insulated doors.

Consideration has already been given to the potential environmental impacts in our emerging Wylfa Newydd Project proposals and some potential mitigation measures have been identified for construction of the Power Station. For example, our indicative landscape proposal incorporates an engineered noise bund, which is expected to reduce noise levels for residents at Tregele. Construction contractors would also need to meet requirements for controlling noise, which would form part of broader controls on construction activities that would be set out in our environmental management plans.

Whilst we will strive to reduce potential disturbance from construction activities, the Disturbance Mitigation plan recognises that there is likely to be an overall increase in noise levels when compared to current levels, particularly for residents living very close to the Power Station Site.

WHO WOULD BE ELIGIBLE FOR SUPPORT?

Eligible properties would be located within a zone to be drawn around the Power Station Site. It is not yet clear how far that zone would extend at this time. The shape and extent of the boundary will be influenced by the noise studies currently being carried out as part of the environmental impact assessment for the Wylfa Newydd Project. We will provide more information on the proposed noise eligibility boundary once it is available, which we expect to be in mid 2015.

To receive Disturbance Mitigation, a number of criteria would need to be met, principally:

- The property was acquired by the applicant before December 2008 when the possibility of a new nuclear power station at Wylfa was first announced;
- The property is located within the relevant boundary zone (to be determined) around the Power Station Site;
- No application has previously been made for Disturbance Mitigation under this plan;
- The applicant is a property owner or holder of a long lease (with at least 3 years remaining); and
- The property has been occupied for the past 6 months.

The Disturbance Mitigation plan would come into effect once significant site clearance begins in Autumn 2016 subject to obtaining the necessary permissions. As with the Property Price Support plan, we propose to continue the plan until construction of the Power Station is completed, but the precise timing would be subject to review.

HOW WOULD IT WORK?

Noise is a complex topic and we would appoint a qualified independent surveyor to carry out individual assessments where needed, and to make recommendations for any noise insulation measures on a property by property basis.

Horizon would consider the recommendation of the surveyor and would fully fund any reasonable and justifiable noise insulation measures on behalf of the property owner.

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Consultation response

We're carrying out this consultation in parallel to the Wylfa Newydd Project Stage One pre-application consultation. We think it will be of most relevance to those living closest to the Power Station Site where we expect the impacts of construction to be the greatest, but the consultation is open to anyone who wishes to comment.

It is important that we know what you think about our proposal for a Neighbourhood Support Scheme. Your responses will help us to ensure the final scheme will be effective and fair. Your views count, so please do respond.

For more information on the Wylfa Newydd Project - including the pre-application consultation process - please contact us.

- You can call us, in Welsh or English, on our Freephone number, **0800 954 9516** if you have any further questions.
- **Via email** at **wylfaenquiries@horizonnuclearpower.com**
- The location and timing of all our pre-application consultation events are available on our website at: **www.horizonnuclearpower.com/consultation.**





HOW TO RESPOND

You can take part in the consultation on the Neighbourhood Support Scheme by providing your answers to the questions that we've included on the feedback form. Completed feedback forms should be sent to FREEPOST HORIZON NUCLEAR POWER CONSULTATION. Alternatively, you can e-mail your responses to wylfaenquiries@horizonnuclearpower.com.

Responses should be received by 8 December so we can take them into account in preparing the final Neighbourhood Support Scheme.



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CONTACT US:
If you have any questions or feedback regarding the Wylfa Newydd Project you can contact us on our dedicated Wylfa Newydd freephone hotline and email address, by calling on **0800 954 9516** or emailing **wylfaenquiries@horizonnuclearpower.com**

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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Prosiect Wylfa Newydd

Cynllun Cefnogi Cymdogaeth



Cyflwyniad

Mae Pŵer Niwclear Horizon yn paratoi ei gynigion ar gyfer gorsaf bŵer niwclear newydd (Gorsaf Bŵer) ar Ynys Môn (Prosiect Wylfa Newydd). Bydd Prosiect Wylfa Newydd yn creu cyfleoedd a manteision sylweddol i gymunedau lleol, yn ogystal ag i economi gyfan Ynys Môn a thu hwnt am ddegawdau i ddod. Ond rydyn ni'n gwerthfawrogi bod pobl hefyd yn poeni sut bydd hyn yn effeithio ar gymunedau.

Mae'r prosesau cynllunio ar gyfer prosiectau adeiladu mawr, gan gynnwys y ffaith ei bod yn rhaid cynnal asesiad o'r effaith amgylcheddol, yn fanwl iawn. Bydd angen i ni ddangos sut rydyn ni'n credu y bydd yr effeithiau rydyn ni'n disgwyl eu gweld ar yr amgylchedd ac ar gymunedau oherwydd y Prosiect yn gallu cael eu cadw o fewn lefelau derbyniol, drwy gydol y gwaith adeiladu ac ar ôl hynny.

Mesurau lliniaru ydy'r enw sy'n cael ei ddefnyddio'n aml am y cynigion i reoli neu i fynd i'r afael â'r effeithiau a ddisgwylir oherwydd prosiect. Mae'r mesurau hyn yn cael eu cymeradwyo drwy'r system gynllunio ac mae modd gorfodi'r rhain o dan y gyfraith. Mae enghreifftiau o fesurau lliniaru'n cynnwys mesurau fel rheoli faint o draffig adeiladu sydd ar y ffyrdd ac amseru'r traffig hwnnw, a rheoli lefel y golau, y sŵn neu'r llwch oherwydd y gwaith adeiladu.

Bydd adeiladu'r Orsaf Bŵer yn brosiect mawr a fydd yn digwydd dros gyfnod cymharol hir. Rydyn ni'n gwybod y bydd effeithiau posibl y gwaith adeiladu'n achosi pryder penodol i'r rheini sy'n byw agosaf at safle'r Orsaf Bŵer. Dyna pam rydyn ni'n cynnig dau fesur, sy'n mynd y tu hwnt i'r mesurau lliniaru, fel rhan o'r **Cynllun Cefnogi Cymdogaeth** sydd wedi'u hanelu at y rheini sydd agosaf at Safle'r Orsaf Bŵer. Sef:

- **Cefnogaeth Pris Eiddo** – cefnogaeth i unrhyw drigolion sy'n byw agosaf at Safle'r Orsaf Bŵer ac mae'r datblygiad yn effeithio ar werth eu heiddo.
- **Lliniaru Aflonyddwch** – mesurau ychwanegol i leihau'r sŵn adeiladu yn yr eiddo y bydd y gwaith yn effeithio arnyn nhw.

Mae'r Cynllun Cefnogi Cymdogaeth yn gynllun hollol wirfoddol, a bydd yn darparu cefnogaeth sy'n mynd y tu hwnt i unrhyw reolaethau a mesurau lliniaru statudol.

Mae'r ddogfen ymgynghori hon yn rhoi ein syniadau cychwynnol ynghylch sut beth fyddai'r Cynllun Cefnogi Cymdogaeth o bosibl. Mae'n bwysig i ni ddeall beth rydych chi'n ei feddwl er mwyn i ni allu creu Cynllun Cefnogi Cymdogaeth terfynol sy'n deg ac yn effeithiol. I gael gwybodaeth am sut mae ymateb, edrychwch ar dudalen 5.



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Cefnogaeth Pris Eiddo

BETH YDY HYN?

Mae Cefnogaeth Pris Eiddo yn gynllun cefnogaeth gwirfoddol i'r trigolion sy'n byw yn agos at Safle'r Orsaf Bŵer ac sy'n dymuno symud i ffwrdd ond sy'n cael anawsterau oherwydd dydyn nhw ddim yn gallu cael pris marchnad rhesymol oherwydd Prosiect Wylfa Newydd.

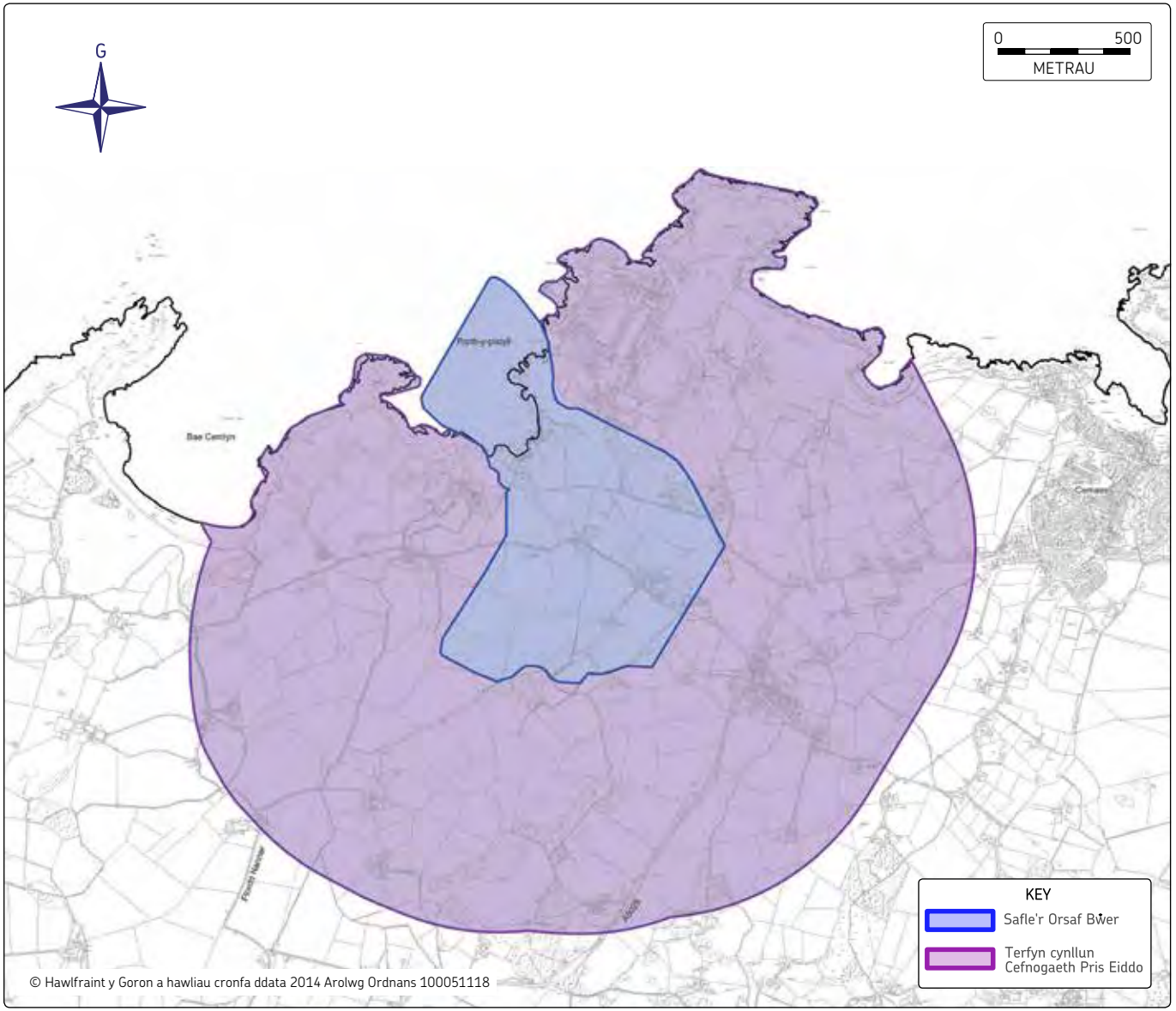
Mae ein cynigion Cefnogaeth Pris Eiddo yn defnyddio cynseiliau perthnasol o brosiectau tebyg eraill ac maen nhw'n cynnig y gwahaniaeth i drigolion cymwys rhwng gwerth eu heiddo gydag a heb gynigion yr Orsaf Bŵer, a swm o £5,000 i helpu gyda chostau symud.

PWY FYDDAI'N GYMWYS I GAEL CEFNOGAETH?

Mae Map Terfyn wedi'i gynnwys fel Ffigur 1 yn dangos lle byddai Cefnogaeth Pris Eiddo ar gael. I gael Cefnogaeth Pris Eiddo, byddai angen diwallu nifer o feini prawf, yn bennaf:

- Cafodd yr eiddo ei brynu gan yr ymgeisydd cyn mis Rhagfyr 2008, sef pan gyhoeddwyd y posibilrwydd o orsaf bŵer niwclear newydd yn Wylfa am y tro cyntaf;
- Mae'r eiddo yn un preswyl ac yn yr ardal lliw piws ar y Map Terfyn (Ffigur 1);
- Mae'r ymgeisydd yn berchennog ar yr eiddo neu'n dal les hir (gydag o leiaf tair blynedd ar ôl); ac
- Mae'r eiddo wedi cael ei farchnata'n briodol ers o leiaf chwe mis a/neu mae prisiad gan Sefydliad Brenhinol y Syrfewyr Siartredig (RICS) wedi cael ei wneud sy'n awgrymu colli gwerth oherwydd cynigion Gorsaf Bŵer Wylfa Newydd.

Byddai'r cynllun Cefnogaeth Pris Eiddo yn dod i rym ar ôl i waith clirio safle mawr ddechrau yn hydref 2016, yn amodol ar gael y caniatâd angenrheidiol. Mewn amgylchiadau amgylchiadau eithriadol byddai Horizon yn ystyried ceisiadau a ddaw i law cyn hynny (edrychwch ar dudalen 4). Rydyn ni'n cynnig parhau â'r cynllun Cefnogaeth Pris Eiddo nes bod y gwaith i adeiladu'r Orsaf Bŵer wedi dod i ben, ond byddai'r union amser yn cael ei adolygu.



Ffigur 1: Yr ardal sy'n gymwys ar gyfer Cefnogaeth Pris Eiddo

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Cefnogaeth Pris Eiddo

SUT BYDDAI'N GWEITHIO?

Byddai'r ymgeiswyr sy'n dymuno elwa o'r cynllun Cefnogaeth Pris Eiddo yn cyflwyno ffurflen gais, gan gynnwys tystiolaeth i ddangos bod yr eiddo'n diwallu'r meini prawf cymhwyso uchod.

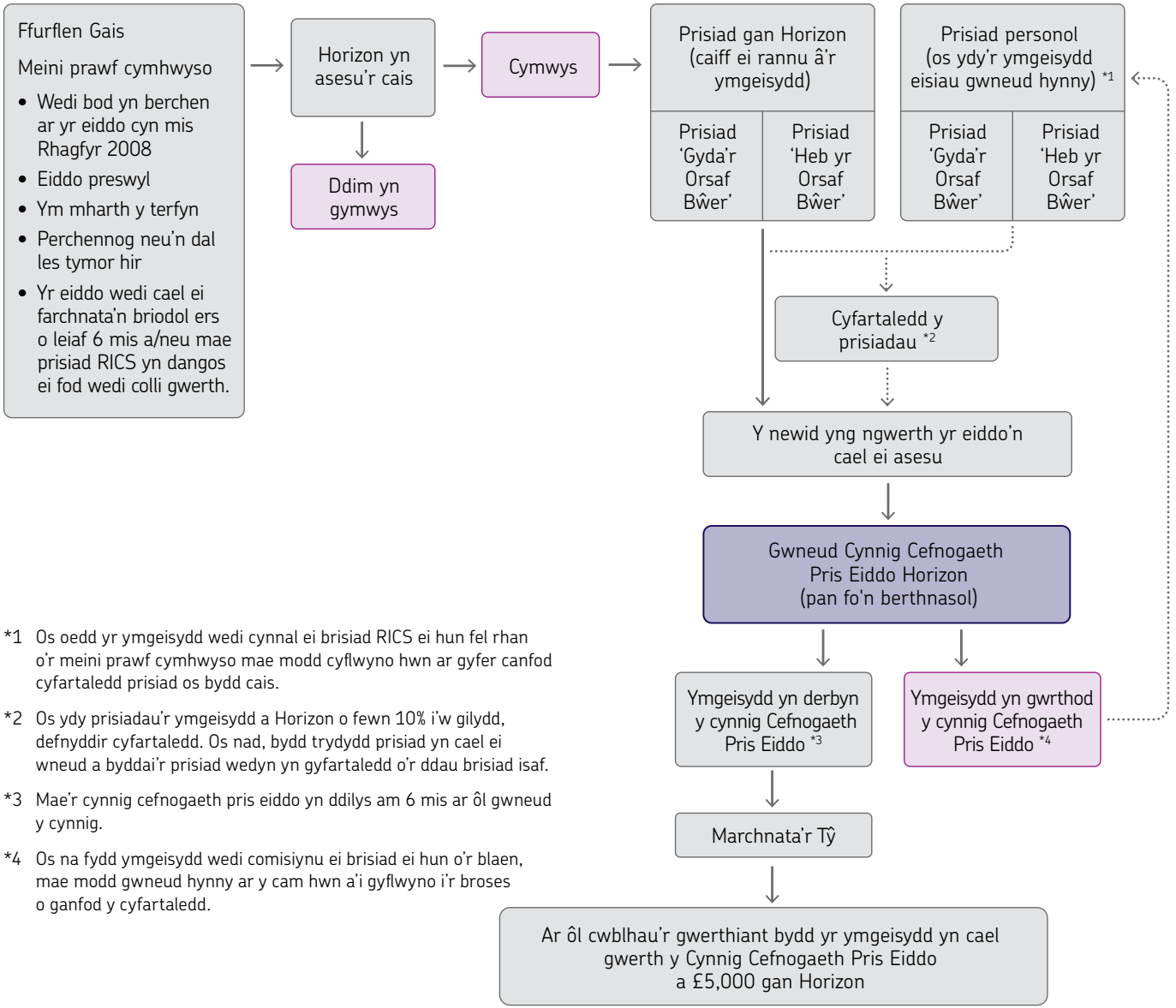
Os bydd y cais yn cael ei dderbyn, byddem yn defnyddio arferion sy'n cael eu derbyn yn y diwydiant i wneud prisiadau i ganfod beth ydy gwerth yr eiddo gyda chynigion yr Orsaf Bŵer newydd (y prisiad 'Gyda'r Orsaf Bŵer) a'r prisiad ar gyfer yr eiddo gan dybio nad oedd yr Orsaf Bŵer erioed wedi cael ei chynnig (y prisiad 'Heb yr Orsaf Bŵer'). Byddai hyn yn golygu bod modd gweld yn fwy cywir beth yw effaith cynigion yr Orsaf Bŵer ar werth eiddo sydd i'w asesu, a byddai'r wybodaeth hon yn cael ei rhannu â'r ymgeisydd.

Ar ben y prisiadau byddem ni'n eu cynnal, efallai bydd yr ymgeiswyr yn penderfynu gwneud prisiadau RICS eu hunain. Mewn achosion o'r fath byddai cyfartaledd ein prisiad ni a phrisiad yr ymgeisydd yn cael eu defnyddio pan fydd 10 y cant neu lai o wahaniaeth rhyngddyn nhw. Os bydd gwahaniaeth sy'n fwy na 10 y cant byddai prisiad annibynnol arall yn cael ei gomisiynu gan Horizon, a byddai cyfartaledd y ddau werth isaf wedyn yn cael ei ddefnyddio.

Byddem yn cynnig y gwahaniaeth i'r ymgeisydd rhwng y prisiad Gyda'r Orsaf Bŵer a'r prisiad Heb yr Orsaf Bŵer er mwyn i'r ymgeisydd allu mynd ymlaen i farchnata ei eiddo. Byddem yn talu'r swm y cytunir arno hyd yn oed os caiff yr eiddo ei werthu am lai neu fwy na'r prisiad Gyda'r Orsaf Bŵer. Os na chaiff yr eiddo ei werthu ar ôl chwe mis o farchnata, byddai'r eiddo'n cael ei ailbrisio ac, os yw'n berthnasol, byddai cynnig newydd yn cael ei wneud.

Yn ogystal ag ymrwymo i dalu'r gwahaniaeth rhwng y ddau brisiad, byddem hefyd yn talu £5,000 i helpu gyda'r costau symud ac unrhyw brisiadau a oedd wedi cael eu gwneud gan yr ymgeisydd o dan y cynllun Cefnogaeth Pris Eiddo. Byddai'r taliadau'n cael eu gwneud ar ôl cwblhau'r gwerthiant.

Mae'r broses Cefnogaeth Pris Eiddo sydd wedi'i chynnwys fel Ffigur 2 yn dangos, mewn egwyddor, sut byddai'r cynllun



*1 Os oedd yr ymgeisydd wedi cynnal ei brisiad RICS ei hun fel rhan o'r meini prawf cymhwyso mae modd cyflwyno hwn ar gyfer canfod cyfartaledd prisiad os bydd cais.

*2 Os ydy prisiadau'r ymgeisydd a Horizon o fewn 10% i'w gilydd, defnyddir cyfartaledd. Os nad, bydd trydydd prisiad yn cael ei wneud a byddai'r prisiad wedyn yn gyfartaledd o'r ddau brisiad isaf.

*3 Mae'r cynnig cefnogaeth pris eiddo yn ddilys am 6 mis ar ôl gwneud y cynnig.

*4 Os na fydd ymgeisydd wedi comisiynu ei brisiad ei hun o'r blaen, mae modd gwneud hynny ar y cam hwn a'i gyflwyno i'r broses o ganfod y cyfartaledd.

Ffigur 2: Cynllun Cefnogaeth Pris Eiddo - rhediad

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Lliniaru Aflonyddwch

AMGYLCHIADAU EITHRIADOL CYN DAW CEFNOGAETH PRIS EIDDO I RYM

Rydyn ni'n disgwyl y bydd y cynllun Cefnogaeth Pris Eiddo terfynol ar gael yn 2015 ac iddo ddod i rym ar ôl i waith clirio safle mawr ddechrau yn hydref 2016 yn amodol ar gael y caniatâd angenrheidiol.

Mewn amgylchiadau eithriadol, byddem yn ystyried ceisiadau ar ôl i fersiwn terfynol y cynllun Cefnogaeth Pris Eiddo gael ei lunio ond cyn iddo ddod i rym. Er enghraifft, efallai y byddai peidio â gallu symud tŷ a chael gwerth teg yn creu caledi eithriadol am resymau domestig, cyflogaeth, ariannol neu feddygol yn ystod y cyfnod hwn.

Byddai ceisiadau o'r fath yn cael eu hystyried fesul achos. Byddai'r gofynion cymhwyso a'r broses ymgeisio arferol fel sy'n cael eu disgrifio uchod yn berthnasol, ond byddai hefyd angen i'r ymgeiswyr ddangos yr amgylchiadau eithriadol sy'n arwain at yr angen am gefnogaeth gynnar.



BETH YDY HYN?

Ar ôl cwblhau ein gwaith asesiad o'r effaith amgylcheddol bydd hyn yn rhoi dealltwriaeth well i ni o'r effeithiau sŵn tebygol ac effeithiolrwydd ein mesurau lliniaru arfaethedig. Byddai Lliniaru Aflonyddwch yn gynllun gwirfoddol sydd wedi'i gynllunio i ddarparu rhagor o fesurau lleihau sŵn, sy'n mynd y tu hwnt i'r rheini sy'n ofynnol gan y broses asesiad o'r effaith amgylcheddol. Byddai ceisiadau'n cael eu hystyried fesul achos a byddai modd iddyn nhw gynnwys inswleiddio ychwanegol rhag sŵn, ffenestri dwbl, neu ddrysau wedi'u hinswleiddio.

Mae ystyriaeth eisoes wedi cael eu rhoi i'r effeithiau amgylcheddol posibl yn ein cynigion Prosiect Wylfa Newydd sydd wrthi'n cael eu datblygu ac mae rhai mesurau lliniaru posibl wedi cael eu nodi er mwyn adeiladu'r Orsaf Bŵer. Er enghraifft, mae ein cynnig tirweddu dangosol yn cynnwys adeiladu bwnd sŵn, a disgwylir y bydd hyn yn lleihau'r lefelau sŵn ar gyfer trigolion Tregele. Byddai hefyd angen i gontractwyr adeiladu ddiwallu'r gofynion ar gyfer rheoli sŵn, a fyddai'n rhan o reolaethau ehangach ar weithgareddau adeiladu a fyddai'n cael eu gosod yn ein cynlluniau rheoli amgylcheddol.

Er ein bod yn ymdrechu i leihau aflonyddwch posibl oherwydd gweithgareddau adeiladu, mae'r cynllun Lliniaru Aflonyddwch yn cydnabod ei bod hi'n debyg y bydd cynnydd cyffredinol yn lefelau'r sŵn wrth gymharu â'r lefelau ar hyn o bryd, yn enwedig i'r trigolion sy'n byw'n agos iawn at Safle'r Orsaf Bŵer.

PWY FYDDAI'N GYMWYS I GAEL CEFNOGAETH?

Byddai'r eiddo cymwys mewn parth a fydd yn cael ei greu o amgylch Safle'r Orsaf Bŵer. Ar hyn o bryd nid yw maint y parth hwnnw'n glir. Bydd astudiaethau sŵn a fydd yn cael eu cynnal fel rhan o'r asesiad o'r effaith amgylcheddol ar gyfer Prosiect Wylfa Newydd yn dylanwadu ar siâp a maint terfyn y parth. Byddwn yn darparu rhagor o wybodaeth am y terfyn cymhwysedd sŵn arfaethedig pan fydd ar gael, ac rydyn ni'n disgwyl i'r wybodaeth hon fod ar gael ganol 2015.

I gael cymorth Lliniaru Aflonyddwch, byddai angen diwallu nifer o feini prawf, yn bennaf:

- Cafodd yr eiddo ei brynu gan yr ymgeisydd cyn mis Rhagfyr 2008, sef pan gyhoeddwyd y posibilrwydd o orsaf bŵer niwclear newydd yn Wylfa am y tro cyntaf;
- Mae'r eiddo yn y parth terfyn perthnasol o amgylch Safle'r Orsaf Bŵer (heb benderfynu ar y parth eto);
- Does dim cais wedi cael ei gyflwyno o'r blaen am gymorth Lliniaru Aflonyddwch o dan y cynllun hwn;
- Mae'r ymgeisydd yn berchennog ar yr eiddo neu'n dal les hir (gydag o leiaf 3 blynedd ar ôl); ac
- Mae'r eiddo wedi cael ei feddiannu dros y 6 mis diwethaf.

Byddai'r Cynllun Lliniaru Aflonyddwch yn dod i rym ar ôl i waith clirio safle mawr ddechrau yn hydref 2016 yn amodol ar gael y caniatâd angenrheidiol. Yn yr un modd â'r cynllun Cefnogaeth Pris Eiddo, rydyn i'n cynnig parhau â'r cynllun nes bod y gwaith i adeiladu'r Orsaf Bŵer wedi dod i ben, ond byddai'r union amser yn cael ei adolygu.

SUT BYDDAI'N GWEITHIO?

Mae sŵn yn bwnc cymhleth a byddem yn penodi syrfewyr annibynnol cymwysedig i gynnal asesiadau unigol lle byddai angen, a chyflwyno argymhellion ar gyfer unrhyw fesurau ynysu sŵn fesul eiddo.

Byddai Horizon yn ystyried argymhelliad y syrfëwr ac yn talu holl gostau unrhyw fesurau ynysu sŵn rhesymol mae cyfiawnhad drostyn nhw ar ran perchennog yr eiddo.

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Ymateb i'r ymgynghoriad

Rydyn ni'n cynnal yr ymgynghoriad hwn ochr yn ochr ag ymgynghoriad cyn ymgeisio Cam Un Prosiect Wylfa Newydd. Rydyn ni'n meddwl y bydd hyn yn fwyaf perthnasol i'r rheini sy'n byw agosaf at Safle'r Orsaf Bŵer lle byddwn ni'n disgwyl i effeithiau'r gwaith adeiladu fod yn fwy amlwg, ond mae'r ymgynghoriad ar agor i unrhyw un sy'n dymuno cyflwyno sylwadau.

Mae'n bwysig ein bod ni'n gwybod beth rydych chi'n ei feddwl am ein cynnig ar gyfer Cynllun Cefnogi Cymdogaeth. Bydd eich ymatebion chi yn ein helpu i sicrhau bod y cynllun terfynol yn effeithiol ac yn deg. Mae eich safbwyntiau'n cyfrif, felly ymatebwch os gwelwch yn dda.

I gael rhagor o wybodaeth am Brosiect Wylfa Newydd – gan gynnwys y broses ymgynghori cyn ymgeisio – cysylltwch â ni.

- Gallwch hefyd ein ffonio, yn Gymraeg neu yn Saesneg, ar ein rhif Rhadffôn, **0800 954 9516** os oes gennych chi unrhyw gwestiynau eraill.
- **Drwy e-bost** at: **ymholiadauwylfa@horizonnuclearpower.com**
- Bydd lleoliad ac amser ein holl ddigwyddiadau ymgynghori cyn ymgeisio ar gael ar ein gwefan yn **www.horizonnuclearpower.com/ymgynghoriad.**







SUT MAE YMATEB

Gallwch gymryd rhan yn yr ymgynghoriad ar y Cynllun Cefnogi Cymdogaeth drwy ateb y cwestiynau rydyn ni wedi'u rhoi ar y ffurflen adborth. Dylid anfon ffurflenni adborth wedi'u llenwi i FREEPOST HORIZON NUCLEAR POWER CONSULTATION. Fel arall, gallwch chi e-bostio eich ymatebion i ymholiadauwylfa@horizonnuclearpower.com.

Dylech chi anfon eich ymatebion erbyn 8 Rhagfyr er mwyn i ni allu eu hystyried wrth baratoi'r Cynllun Cefnogi Cymdogaeth terfynol.

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CYSYLLTWCH Â NI:
Os oes gennych chi unrhyw gwestiynau neu adborth am Brosiect Wylfa Newydd gallwch chi gysylltu â ni ar ein llinell gymorth radffôn Wylfa Newydd arbennig a'n cyfeiriad e-bost, drwy ffonio **0800 954 9516** neu e-bostio **ymholiadauwylfa@horizonnuclearpower.com**

Horizon Nuclear Power
5210 Valiant Court
Gloucester Business Park
Delta Way, Gloucester, GL3 4FE

Ff +44 (0) 845 300 6816

www.horizonnuclearpower.com/hafan

Mae'r holl ddeunydd sydd yn y ddogfen hon, oni nodir fel arall, yn hawlfraint i Horizon Nuclear Power Wylfa Ltd, ac ni cheir ei atgynhyrchu heb ganiatâd ymlaen llaw. Gall defnyddio neu gopïo'r deunydd heb awdurdod mewn unrhyw ffordd dorri rheolau nod masnach, hawlfraint a hawliau eiddo eraill a statudau sifil a throseddol. Ni cheir defnyddio'r deunydd mewn unrhyw ffordd sy'n torri unrhyw nod masnach, hawlfraint na hawliau eiddo eraill ac mae Horizon Nuclear Power Wylfa Ltd yn cadw pob hawl mewn perthynas â defnyddio heb awdurdod o'r fath.

Appendix A.7- Neighbourhood Support Scheme feedback form

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WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Neighbourhood Support Scheme Feedback Form

This consultation is open from 29 September 2014 to 8 December 2014. Please submit your feedback during this time.

About you (Please complete this section in capital letters using blue or black ink):

Title: First name:

Surname:

Age group: ☐ under 25 ☐ 25 - 40 ☐ 41 - 60 ☐ over 60

Are you responding on behalf of an organisation: ☐ Yes ☐ No

If yes, organisation name:

Job title:

Address:

Post code:

Email address:

Data Protection Statement

The information that you provide will be shared by Horizon Nuclear Power Wylfa Limited with third party providers, contractors or advisors who provide services to us and used in connection with the subsequent planning applications for the Wylfa Newydd Project. Copies may be made available, in due course, to the relevant planning authority so it can note your comments. We will however, request that your personal details are not placed on public record. Your personal details will be held securely by Horizon Nuclear Power Wylfa Limited and those third party providers, contractors or advisors who provide services to us in accordance with the Data Protection Act 1998.

NEIGHBOURHOOD SUPPORT SCHEME FEEDBACK FORM

PROPERTY PRICE SUPPORT PLAN

1. Do you agree that we should introduce a Property Price Support plan?

☐ **Yes** ☐ **No** ☐ **Don't know**

(Please provide further clarification in the response as part of question 3 below)

2. Do you have any comments on the proposed eligibility criteria?

☐ **Yes** ☐ **No** ☐ **Don't know**

(Please provide further clarification in the response as part of question 3 below)

3. Do you have any other comments or suggestions that you would like us to consider when finalising the Property Price Support plan?

DISTURBANCE MITIGATION PLAN

1. Do you agree that we should introduce a Disturbance Mitigation plan?

☐ **Yes** ☐ **No** ☐ **Don't know**

(Please provide further clarification in the response as part of question 3 below)

2. Do you have any comments on the proposed eligibility criteria?

☐ **Yes** ☐ **No** ☐ **Don't know**

(Please provide further clarification in the response as part of question 3 below)

3. Do you have any other comments or suggestions that you would like us to consider when finalising the Disturbance Mitigation plan?

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Thank you for completing this feedback form.

If you have any questions about the Wylfa Newydd Project you can contact us at any time in the following ways:

- **by phone: 0800 954 9516**
- **by email: wylfaenquiries@horizonnuclearpower.com**
- **by freepost: FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Cynllun Cefnogi Cymdogaeth
Ffurflen Adborth

Mae'r ymgynghoriad hwn ar agor rhwng 29 Medi 2014 a 8 Rhagfyr 2014. Cyflwynwch eich adborth yn ystod y cyfnod hwn os gwelwch yn dda.

Amdanoch chi (Llenwch yr adran hon mewn priflythrennau gan ddefnyddio inc du neu las):

Teitl: Enw cyntaf:

Cyfenw:

Grŵp oed: ☐ dan 25 ☐ 25 - 40 ☐ 41 - 60 ☐ dros 60

Ydych chi'n ymateb ar ran sefydliad: ☐ Ydw ☐ Nac ydw

Os ydych chi, beth ydy enw'r sefydliad:

Teitl swydd:

Cyfeiriad:

Cod post:

Cyfeiriad e-bost:

Datganiad Diogelu Data:

Bydd y wybodaeth rydych chi'n ei rhoi yn cael ei rhannu gan Pŵer Niwclear Horizon Wylfa Cyfyngedig â darparwyr, contractwyr neu gynghorwyr trydydd parti sy'n darparu gwasanaethau i ni ac yn cael ei defnyddio ar y cyd gyda'r ceisiadau cynllunio dilynol ar gyfer Prosiect Wylfa Newydd. Efallai bydd copïau'n cael eu darparu, maes o law, i'r awdurdod cynllunio perthnasol er mwyn iddo allu nodi eich sylwadau. Serch hynny, byddwn yn gofyn iddo beidio â rhoi eich manylion personol ar gofnod cyhoeddus. Bydd eich manylion personol yn cael eu cadw'n ddiogel gan Pŵer Niwclear Horizon Wylfa Cyfyngedig a'r darparwyr, y contractwyr neu'r cynghorwyr trydydd parti hynny sy'n darparu gwasanaethau i ni yn unol â Deddf Diogelu Data 1998.

FFURFLEN ADBORTH CYNLLUN CEFNOGI CYMDOGAETH

CYNLLUN CEFNOGAETH PRIS EIDDO

1. Ydych chi'n cytuno y dylem ni gyflwyno cynllun Cefnogaeth Pris Eiddo?

☐ **Ydw** ☐ **Nac ydw** ☐ **Ddim yn gwybod**

(Rhowch esboniad pellach yn yr ateb fel rhan o gwestiwn 3 isod)

2. Oes gennych chi unrhyw sylwadau ar y meini prawf cymhwyso a gynigir?

☐ **Oes** ☐ **Nac oes** ☐ **Ddim yn gwybod**

(Rhowch esboniad pellach yn yr ateb fel rhan o gwestiwn 3 isod)

3. Oes gennych chi unrhyw sylwadau neu awgrymiadau eraill y byddech chi'n hoffi i ni eu hystyried wrth lunio fersiwn terfynol y cynllun Cefnogaeth Pris Eiddo?

CYNLLUN LLINIARU AFLONYDDWCH

1. Ydych chi'n cytuno y dylem ni gyflwyno cynllun Lliniaru Aflonyddwch?

☐ **Ydw** ☐ **Nac ydw** ☐ **Ddim yn gwybod**

(Rhowch esboniad pellach yn yr ateb fel rhan o gwestiwn 3 isod)

2. Oes gennych chi unrhyw sylwadau ar y meini prawf cymhwyso a gynigir?

☐ **Oes** ☐ **Nac oes** ☐ **Ddim yn gwybod**

(Rhowch esboniad pellach yn yr ateb fel rhan o gwestiwn 3 isod)

3. Oes gennych chi unrhyw sylwadau neu awgrymiadau eraill y byddech chi'n hoffi i ni eu hystyried wrth lunio fersiwn terfynol y cynllun Lliniaru Aflonyddwch?

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Diolch i chi am lenwi'r ffurflen adborth hon.

Os oes gennych chi unrhyw gwestiynau am Brosiect Wylfa Newydd gallwch chi gysylltu â ni unrhyw bryd drwy'r dulliau canlynol:

- **dros y ffôn: 0800 954 9516**
- **drwy e-bost: ymholiadauwylfa@horizonnuclearpower.com**
- **drwy radbost: FREEPOST HORIZON NUCLEAR POWER CONSULTATION**

Appendix A.7- Community update letter

PŴER NIWCLEAR HORIZON NUCLEAR POWER

ISSUE 12 | SEPTEMBER 2014

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Community Update

Our plans for new nuclear power at Wylfa

In this issue

Page 1 Community consultation

Page 2 and 3 How to find out more about our proposals

Page 4 Your views count!

Community Consultation – Your Views Count!

At the end of September we will be sharing more detailed information about the Wylfa Newydd Project with people across Anglesey and we want to hear what you think.

The power station will bring billions of pounds of investment and thousands of jobs to the region during the construction phase. Once electricity generation begins up to 1000 people will be employed at the site, providing long-term, high-quality jobs for people from the local community.

Wylfa Newydd is proposed to be built on land next to the existing Magnox power station and will be made up of two Hitachi-GE Nuclear Energy Ltd, UK Advanced Boiling Water Reactors (UK ABWR). As well as the power station we will need to undertake associated developments, including highway improvements along the A5025, park and ride facilities for workers, logistics centres and worker accommodation.

We'll also be consulting on the work we need to do onshore and offshore near Porth-y-Pistyll and our initial thoughts on landscaping around the power station.

Besides the construction activities, we're also interested in your views on our plans to help local people access training and develop skills to get involved in our project, and information on proposals for community facilities, sports, leisure and recreation.

From 29 September visit our website **www.horizonnuclearpower.com/consultation** to view our proposals in detail.



Power Station indicative layout

Welcome

WELCOME TO THE TWELFTH EDITION OF OUR WYLFA NEWYDD NEWSLETTER

September 29 marks the start of our first phase of community consultation on our plans for Wylfa Newydd – a major milestone for the Horizon Nuclear Power team and an important time for the community of Anglesey and beyond.

A number of my team will be out and about across Anglesey and North Wales during the autumn, ready to engage and understand what is important to you with regard to our project. Your feedback really is vital to the successful development of our plans for Wylfa Newydd and we look forward to seeing you at our public exhibitions.

If you can't make the exhibitions there are lots of other ways to provide us with your feedback during the consultation period – all the information you need is contained in this newsletter.

We're looking forward to meeting you.

Alan Raymant
Chief Operating Officer
Horizon Nuclear Power



How to find out more about our proposals

Between 29 September and 8 December Horizon will be seeking your views at a number of exhibitions across Anglesey and North Wales. These exhibitions will give you the chance to view the plans in detail, meet the team, and let us know what you think – your views will help shape our proposals.

Public exhibitions

The dates and venues for the public exhibitions are as follows:

FRIDAY 3 OCTOBER
Cemaes Village Hall
High Street
Cemaes
2pm - 8pm

WEDNESDAY 8 OCTOBER
Llanfachraeth Village Hall
Mynydd yr Eithin
Llanfachraeth
2pm - 8pm

THURSDAY 9 OCTOBER
Ucheldre Centre
Mill Bank
Holyhead
2pm - 8pm

FRIDAY 10 OCTOBER
Rhosneigr Library
High Street
Rhosneigr
2pm - 8pm

SATURDAY 11 OCTOBER
The Coach House
The Bull Hotel
Bulkely Square
Llangefni
10am – 3pm

WEDNESDAY 29 OCTOBER
War Memorial Community Centre
Water Street
Menai Bridge
2pm - 8pm

THURSDAY 30 OCTOBER
Llandudno Town Hall
Lloyd St
Llandudno
2pm - 8pm

FRIDAY 31 OCTOBER
Celtic Royal Hotel
Bangor Street
Caernarfon
2pm - 8pm

SATURDAY 1 NOVEMBER
Penrhyn Hall
Ffordd Gwynedd
Bangor
10am – 3pm

THURSDAY 20 NOVEMBER
Wylfa Sports and Social Club
Tyn y Maes
Cemaes
2pm - 8pm

FRIDAY 21 NOVEMBER
Amlwch Agewell Centre
Memorial Hall
18 Market Street
Amlwch
2pm - 8pm



Information points

If you just want to pick up a copy of the consultation overview document and a feedback form, you can visit any of our information points.

For the duration of the consultation, you can visit information points at:

- Wylfa Information Centre
- Plas Arthur Leisure Centre, Llangefni

Information points will also be in the following venues for one week each:

WEEK COMMENCING
29 SEPTEMBER
Amlwch Library

WEEK COMMENCING
6 OCTOBER
Cemaes Library

WEEK COMMENCING
13 OCTOBER
Holyhead Library

WEEK COMMENCING
20 OCTOBER
Benllech Library

WEEK COMMENCING
27 OCTOBER
Bangor Library

WEEK COMMENCING
3 NOVEMBER
Caernarfon Library

WEEK COMMENCING
10 NOVEMBER
Conwy Library

WEEK COMMENCING
17 NOVEMBER
Porthmadog Leisure Centre

WEEK COMMENCING
24 NOVEMBER
Llanrwst Library

WEEK COMMENCING
1 DECEMBER
Conwy Business Centre

Opening times for the venues vary so please check with them in advance.

What are we consulting on?

We're consulting on the plans for a new nuclear power station at Wylfa, as outlined on page one.

Why are we consulting?

To build the power station we need to apply for a development consent order, granted by the Secretary of State for the Department of Energy and Climate Change. In our current plans we'll make this application in 2017.

Consultation is an important part of the planning and development process, and the Planning Act 2008 requires us to consult widely with the local community, local authorities, statutory bodies and others. We must also publicise our proposals widely to encourage people to participate. This process is called 'pre-application consultation' and must be carried out before the application for a development consent order can be accepted by the Planning Inspectorate on behalf of the Secretary of State.

How are we consulting?

We've produced a Statement of Community Consultation (SOCC) which outlines the way in which we are planning to consult with the community.

The SOCC can be downloaded from our website **www.horizonnuclearpower.com**, viewed at our public exhibitions or at the libraries and council offices listed on page four of this newsletter.

What happens next?

Once the consultation closes in December, we will consider your feedback and produce an Interim Consultation Report, outlining how we have taken it into account in developing our project.

A second round of community consultation is expected to take place towards the end of 2015 and we are planning to make our application for a development consent order in 2017.



From 29 September visit our website **www.horizonnuclearpower.com/consultation** to view all the information about the Wylfa Newydd Project, download consultation documents and submit your feedback.

Where to view all our consultation documents

If you would like to see the full set of documents but aren't able to attend one of our public exhibitions, you can view them at any of the following locations:

LIBRARIES ON ANGLESEY

Amlwch Library
Beaumaris Library
Benllech Library
Cemaes Library
Holyhead Library
Llangefni Library
Menai Bridge Library
Moelfre Library
Newborough Library
Rhosneigr Library

LIBRARIES IN GWYNEDD & CONWY

Abergele Library
Bangor Library
Bethesda Library
Blaenau Ffestiniog Library
Caernarfon Library
Colwyn Bay Library
Conwy Library
Deiniolen Library
Llanberis Library
Llandudno Library
Llanrwst Library
Nefyn Library
Penygroes Library
Porthmadog Library

COUNCIL OFFICES

ISLE OF ANGLESEY COUNTY COUNCIL OFFICES
Llangefni
Anglesey
LL77 7TW

GWYNEDD COUNCIL OFFICES
Castle Street
Caernarfon
Gwynedd
LL55 1SH

CONWY COUNTY BOROUGH COUNCIL
Bodlondeb
Conwy
LL32 8DU

Your Views Count

It's really important to us that you take part in our community consultation, which runs between 29 September and 8 December 2014.

There are a number of ways you can get involved:

- collect and complete a feedback form from one of our public exhibitions or information points and return it to us in the freepost envelope provided
- complete the online feedback form on our website: **www.horizonnuclearpower.com/consultation**
- complete a feedback form at a public exhibition.

You can also send us your feedback in the following ways:

- in writing to our freepost address **FREEPOST HORIZON NUCLEAR POWER CONSULTATION** and
- via email at **wylfaenquiries@horizonnuclearpower.com**

Please make sure you send us your feedback by 8 December 2014.



How to get in touch

CONTACT US: If you have any questions or feedback on the Wylfa Newydd Project you can contact us on our dedicated Wylfa Newydd Freephone hotline and email address, by calling 0800 954 9516 or emailing wylfaenquiries@horizonnuclearpower.com

If you're interested in working with us in the future as part of the supply chain, you can also contact us via suppliers@horizonnuclearpower.com

Your personal details will be processed and stored by Horizon Nuclear Power and its agents in accordance with the Data Protection Act 1998 to keep you updated with any information related to the proposed new nuclear power station at Wylfa.

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RHIFYN 12 | MEDI 2014

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Newyddion i'r gymuned

Ein cynlluniau ar gyfer gorsaf bŵer niwclear newydd yn Wylfa

Yn y rhifyn

Tudalen 1
Ymgynghori cymunedol

Tudalen 2 a 3
Sut mae dysgu rhagor am ein cynigion

Tudalen 4
Mae eich safbwyntiau'n cyfri!

Ymgynghori Cymunedol – Mae Eich Safbwyntiau'n Cyfri!

Ddiwedd mis Medi byddwn ni'n rhannu rhagor o wybodaeth fanwl am Brosiect Wylfa Newydd â phobl ar draws Ynys Môn ac rydyn ni eisiau clywed eich barn chi.

Bydd yr orsaf bŵer yn dod â buddsoddiad gwerth biliynau o bunnoedd a miloedd o swyddi i'r rhanbarth yn ystod y cam adeiladu. Pan fydd y gwaith o gynhyrchu trydan yn dechrau, bydd hyd at 1,000 o bobl yn cael eu cyflogi yn y safle, gan ddarparu swyddi tymor hir o ansawdd uchel i bobl o'r gymuned leol.

Cynigir adeiladu Wylfa Newydd ar y tir wrth ymyl gorsaf bŵer bresennol Magnox a bydd yn cynnwys dau Adweithydd Dŵr Berwedig Uwch y DU (UK ABWR) gan Hitachi-GE Nuclear Energy Ltd. Yn ogystal â'r orsaf bŵer bydd angen i ni wneud datblygiadau cysylltiedig, gan gynnwys gwella'r ffordd ar hyd yr A5025, cyfleusterau parcio a theithio i weithwyr, canolfannau logisteg a llety i'r gweithwyr.

Byddwn ni hefyd yn ymgynghori ynghylch y gwaith mae angen i ni ei wneud ar y tir ac ar y môr ger Porth-y-Pistyll a'n syniadau cychwynnol ynghylch tirweddu o amgylch yr orsaf bŵer.

Ar wahân i'r gweithgareddau adeiladu, rydyn ni hefyd eisiau clywed eich barn am ein cynlluniau i helpu pobl leol i gael gafael ar hyfforddiant a datblygu sgiliau er mwyn gallu cymryd rhan yn ein prosiect, a gwybodaeth am gynigion ar gyfer cyfleusterau cymunedol, chwaraeon, hamdden ac adloniant.

O 29 Medi ymlaen, tarwch olwg ar **www.horizonnuclearpower.com/ymgynghoriad** i gael gweld ein cynigion yn fanwl.



Cynllun dangosol yr Orsaf Bŵer

Croeso

CROESO I'N DDEUDDEGFED RHIFYN O GYLCHLYTHYR WYLFA NEWYDD

29 Medi fydd dechrau cam cyntaf ein hymgynghoriad cymunedol ynghylch ein cynlluniau ar gyfer Wylfa Newydd – carreg filltir bwysig i dîm Pŵer Niwclear Horizon a chyfnod pwysig i gymuned Ynys Môn a thu hwnt.

Bydd sawl aelod o fy nhîm o amgylch Ynys Môn a Gogledd Cymru dros yr hydref, yn barod i drafod a deall beth sy'n bwysig i chi yng nghyswllt ein prosiect. Mae eich adborth chi'n bwysig dros ben er mwyn gallu datblygu ein cynlluniau ar gyfer Wylfa Newydd yn llwyddiannus, ac rydyn ni'n edrych ymlaen at eich gweld yn ein harddangosfeydd cyhoeddus.

Os allwch chi ddim dod i'r arddangosfeydd, mae nifer o ffyrdd eraill i chi gyflwyno eich adborth yn ystod y cyfnod ymgynghori – mae'r cylchlythyr hwn yn cynnwys yr holl wybodaeth sydd ei hangen arnoch chi.

Rydyn ni'n edrych ymlaen at gael cwrdd â chi.



Alan Raymant
Prif Swyddog Gweithredu
Pŵer Niwclear Horizon

Sut mae cael gwybod rhagor am ein cynigion

Rhwng 29 Medi a 8 Rhagfyr bydd Horizon yn gofyn am eich safbwyntiau mewn nifer o arddangosfeydd ar draws Ynys Môn a Gogledd Cymru. Bydd yr arddangosfeydd hyn yn rhoi'r cyfle i chi weld y cynlluniau'n fanwl, cwrdd â'r tîm a rhoi eich barn i ni – bydd eich safbwyntiau chi yn helpu i siapio ein cynigion.

Arddangosfeydd cyhoeddus

Dyma ddyddiadau a lleoliadau'r arddangosfeydd cyhoeddus:

DYDD GWENER 3 HYDREF
Neuadd Bentref Cemaes
Stryd Fawr
Cemaes
2pm - 8pm

DYDD MERCHER 8 HYDREF
Neuadd Bentref Llanfachraeth
Mynydd yr Eithin
Llanfachraeth
2pm - 8pm

DYDD IAU 9 HYDREF
Canolfan Ucheldre
Mill Bank
Caergybi
2pm - 8pm

DYDD GWENER 10 HYDREF
Llyfrgell Rhosneigr
Stryd Fawr
Rhosneigr
2pm - 8pm

DYDD SADWRN 11 HYDREF
The Coach House
Gwesty'r Bull
Sgwâr Bulkely
Llangefni
10am – 3pm

DYDD MERCHER 29 HYDREF
Canolfan Gymunedol Goffa'r Rhyfel
Stryd y Dŵr
Porthaethwy
2pm - 8pm

DYDD IAU 30 HYDREF
Neuadd y Dref Llandudno
Stryd Lloyd
Llandudno
2pm - 8pm

DYDD GWENER 31 HYDREF
Gwesty'r Celtic Royal
Stryd Bangor
Caernarfon
2pm - 8pm

DYDD SADWRN 1 TACHWEDD
Neuadd Penrhyn
Ffordd Gwynedd
Bangor
10am – 3pm

DYDD IAU 20 TACHWEDD
Clwb Cymdeithasol a Chwaraeon Wylfa
Tyn y Maes
Cemaes
2pm - 8pm

DYDD GWENER 21 TACHWEDD
Canolfan Agewell Amlwch
Y Neuadd Goffa
18 Stryd y Farchnad
Amlwch
2pm - 8pm



Pwyntiau gwybodaeth

Os mai dim ond eisiau dogfen trosolwg o'r ymgynghoriad a ffurflen adborth ydych chi, gallwch fynd draw i unrhyw un o'n pwyntiau gwybodaeth.

Dros gyfnod yr ymgynghoriad, gallwch fynd i'r pwyntiau gwybodaeth yn:

- Canolfan Wybodaeth Wylfa
- Canolfan Hamdden Plas Arthur, Llangefni

Bydd pwyntiau gwybodaeth hefyd ar gael yn y lleoliadau canlynol am wythnos yr un:

YR WYTHNOS YN DECHRAU AR
29 MEDI
Llyfrgell Amlwch

YR WYTHNOS YN DECHRAU AR
20 HYDREF
Llyfrgell Benllech

YR WYTHNOS YN DECHRAU AR
10 TACHWEDD
Llyfrgell Conwy

YR WYTHNOS YN DECHRAU AR
24 TACHWEDD
Llyfrgell Llanrwst

YR WYTHNOS YN DECHRAU AR
6 HYDREF
Llyfrgell Cemaes

YR WYTHNOS YN DECHRAU AR
27 HYDREF
Llyfrgell Bangor

YR WYTHNOS YN DECHRAU AR
17 TACHWEDD
Canolfan Hamdden Porthmadog

YR WYTHNOS YN DECHRAU AR
1 RHAGFYR
Canolfan Fusnes Conwy

YR WYTHNOS YN DECHRAU AR
13 HYDREF
Llyfrgell Caergybi

YR WYTHNOS YN DECHRAU AR
3 TACHWEDD
Llyfrgell Caernarfon

Bydd amseroedd agor y lleoliadau hyn yn amrywio, felly holwch y lleoliadau cyn mynd draw.

Beth ydyn ni'n ymgynghori yn ei gylch?

Rydyn ni'n ymgynghori ynghylch y cynlluniau ar gyfer gorsaf bŵer niwclear newydd yn Wylfa, fel sy'n cael ei amlinellu ar dudalen un.

Pam ydyn ni'n ymgynghori?

Er mwyn adeiladu'r orsaf bŵer mae angen i ni wneud cais am orchymyn cydsyniad datblygu, sy'n cael ei roi gan Ysgrifennydd Gwladol yr Adran Ynni a Newid Hinsawdd. Ein cynlluniau ar hyn o bryd yw y byddwn ni'n gwneud y cais hwn yn 2017.

Mae ymgynghori'n rhan bwysig o'r broses cynllunio a datblygu, ac mae Deddf Cynllunio 2008 yn mynnu ein bod yn ymgynghori'n helaeth â'r gymuned leol, awdurdodau lleol, cyrff statudol ac eraill. Rhaid i ni hefyd roi cyhoeddusrwydd yn eang i'n cynigion er mwyn annog pobl i gymryd rhan. 'Ymgynghoriad cyn ymgeisio' ydy'r enw ar y broses a rhaid gwneud hyn cyn i'r Arolygiaeth Gynllunio allu derbyn cais am orchymyn cydsyniad datblygu ar ran yr Ysgrifennydd Gwladol.

Sut ydyn ni'n ymgynghori?

Rydyn ni wedi cynhyrchu Datganiad o Ymgynghori Cymunedol sy'n amlinellu sut rydyn ni'n bwriadu ymgynghori â'r gymuned.

Mae modd llwytho'r Datganiad o Ymgynghori Cymunedol i lawr o **www.horizonnuclearpower.com**, gallwch ei ddarllen yn ein harddangosfeydd cyhoeddus neu yn y llyfrgelloedd a swyddfeydd y cyngor sydd wedi'u rhestru ar dudalen pedwar y cylchlythyr hwn.

Beth nesaf?

Pan ddaw'r ymgynghoriad i ben ym mis Rhagfyr, byddwn yn ystyried eich adborth ac yn cynhyrchu Adroddiad Ymgynghoriad Interim, yn amlinellu sut rydyn ni wedi ystyried eich adborth wrth ddatblygu ein prosiect.

Disgwylir y bydd ail rownd o ymgynghori cymunedol yn cael ei chynnal tua diwedd 2015 ac rydyn ni'n bwriadu cyflwyno ein cais am orchymyn cydsyniad datblygu yn 2017.







O 29 Medi ymlaen edrychwch ar ein gwefan **www.horizonnuclearpower.com/ymgynghoriad** i weld yr holl wybodaeth am Brosiect Wylfa Newydd, llwytho'r dogfennau ymgynghori i lawr a chyflwyno eich adborth.

Lle gallwch weld ein holl ddogfennau ymgynghori

Os hoffech chi weld y set lawn o ddogfennau ond allwch chi ddim dod i un o'n harddangosfeydd cyhoeddus, gallwch eu gweld yn y lleoliadau canlynol:

LLYFRGELLOEDD AR YNYS MÔN

Llyfrgell Amlwch
Llyfrgell Benllech
Llyfrgell Biwmares
Llyfrgell Caergybi
Llyfrgell Cemaes
Llyfrgell Llangefni
Llyfrgell Moelfre
Llyfrgell Niwbwrch
Llyfrgell Porthaethwy
Llyfrgell Rhosneigr

LLYFRGELLOEDD YNG NGWYNEDD A CHONWY

Llyfrgell Abergele
Llyfrgell Bae Colwyn
Llyfrgell Bangor
Llyfrgell Bethesda
Llyfrgell Blaenau Ffestiniog
Llyfrgell Caernarfon
Llyfrgell Conwy
Llyfrgell Deiniolen
Llyfrgell Llanberis
Llyfrgell Llandudno
Llyfrgell Llanwrst
Llyfrgell Nefyn
Llyfrgell Penygroes
Llyfrgell Porthmadog

SWYDDFEYDD Y CYNGOR

SWYDDFEYDD CYNGOR SIR YNYS MÔN
Llangefni
Ynys Môn
LL77 7TW

SWYDDFEYDD CYNGOR GWYNEDD
Stryd y Castell
Caernarfon
Gwynedd
LL55 1SH

CYNGOR BWRDEISTREF SIROL CONWY
Bodlondeb
Conwy
LL32 8DU

Mae Eich Safbwyntiau'n Cyfri!

Mae'n bwysig iawn i ni eich bod yn cymryd rhan yn ein hymgynghoriad cymunedol, a fydd ar agor rhwng 29 Medi a 8 Rhagfyr 2014.

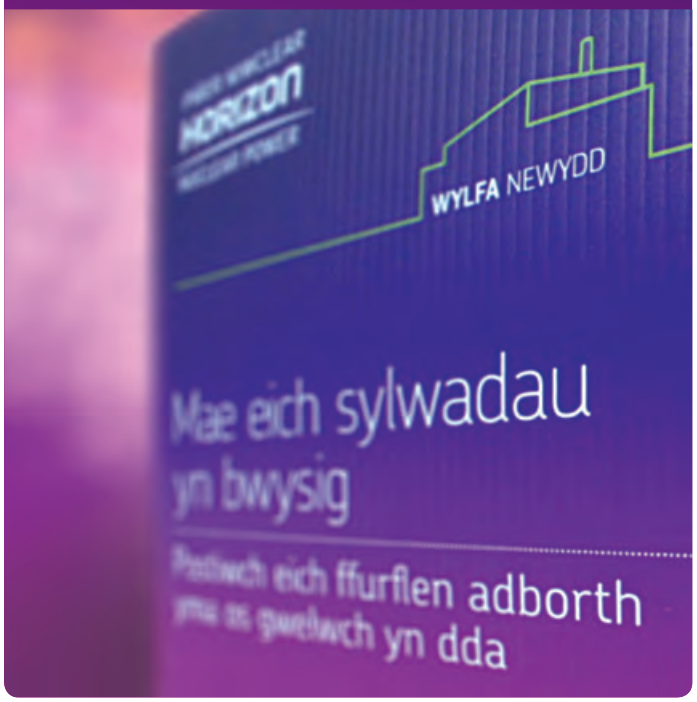
Mae sawl ffordd i chi gymryd rhan:

- casglwch a llenwi ffurflen adborth o un o'n harddangosfeydd cyhoeddus neu ein pwyntiau gwybodaeth a'i dychwelyd atom yn yr amlen radbost sy'n cael ei darparu
- llenwch y ffurflen adborth ar-lein ar ein gwefan: **www.horizonnuclearpower.com/ymgynghoriad**
- llenwch ffurflen adborth mewn arddangosfa gyhoeddus.

Gallwch hefyd anfon eich adborth drwy'r dulliau canlynol:

- yn ysgrifenedig i'n cyfeiriad rhadbost **FREEPOST HORIZON NUCLEAR POWER CONSULTATION** a
- drwy e-bost at: **ymholiadauwylfa@horizonnuclearpower.com**

Gwnewch yn siŵr eich bod yn anfon eich adborth erbyn 8 Rhagfyr 2014.



Sut i gysylltu

CYSYLLTWCH Â NI: Os oes gennych chi unrhyw gwestiynau neu adborth am Brosiect Wylfa Newydd gallwch chi gysylltu â ni ar ein llinell gymorth radffôn Wylfa Newydd arbennig a'n cyfeiriad e-bost, drwy ffonio 0800 954 9516 neu e-bostio ymholiadauwylfa@horizonnuclearpower.com

Os oes gennych chi ddiddordeb mewn gweithio gyda ni yn y dyfodol fel rhan o'r gadwyn gyflenwi, gallwch hefyd gysylltu â ni ar suppliers@horizonnuclearpower.com

Bydd eich manylion personol yn cael eu prosesu a'u storio gan Pŵer Niwclear Horizon a'i asiantau yn unol â Deddf Diogelu Data 1998 er mwyn eich diweddaru ag unrhyw wybodaeth sy'n ymwneud â'r orsaf bŵer niwclear newydd arfaethedig yn Wylfa.

Appendix A.7- Drop in poster V1

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Your views count

Horizon Nuclear Power is developing proposals for a new nuclear power station at Wylfa on Anglesey and now is the time for you to have your say.

Consultation has a vital role to play in helping shape the proposals and it's important that as many people as possible take part in this consultation process. No matter what your opinion of our proposals may be, your views count.

If you would like to find out more, or have any questions about the proposals, a member of our team will be here on <<insert date>> between midday and 2pm.





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Appendix A.7- Hard to Reach poster

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN | ENERGY WORKING FOR BRITAIN

Mae eich safbwyntiau'n cyfri

Rydyn ni'n bwriadu adeiladu gorsaf bŵer niwclear newydd yn Wylfa ac rydyn ni eisiau clywed eich barn.

Your views count

We're planning to build a new nuclear power station at Wylfa and we want to know what you think.







I gael gwybod mwy am ein cynlluniau ac i roi eich adborth, edrychwch ar ein gwefan: www.horizonnuclearpower.com/ymgynghoriad

I gael y wybodaeth ddiweddaraf, dilynwch ni ar twitter: @HorizonNuclear

Os oes gennych chi unrhyw gwestiynau, ffoniwch ni ar: 0800 954 9516 neu anfon neges e-bost atom yn: ymholiadauwylfa@horizonnuclearpower.com

To find out more about our plans and give us your feedback, visit our website: www.horizonnuclearpower.com/consultation

To keep up to date, follow us on twitter: @HorizonNuclear

If you've got any questions, call us on: 0800 954 9516 or send us an email at: wylfaenquiries@horizonnuclearpower.com

Mae Horizon Nuclear Power Services Limited yn gwmni sydd wedi'i gofrestru yng Nghymru a Lloegr. Rhif 6812099. Swyddfa gofrestredig: Valiant Court, Gloucester Business Park, Delta Way, Gloucester GL3 4FE

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Appendix A.7- Hard to Reach poster (Sight)

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

ENERGY WORKING FOR BRITAIN



A UK company of E.ON and RWE

A new power station at Wylfa
Your views count

For more information on how to get involved in the public consultation about proposals for a new nuclear power station at Wylfa:

Phone us: **0800 954 9516**
Email us: **wylfaenquiries@horizonnuclearpower.com**
Visit our website: **www.horizonnuclearpower.com**

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

ENERGY WORKING FOR BRITAIN



A UK company of E.ON and RWE

A new power station at Wylfa
Your views count

For more information on how to get involved in the public consultation about proposals for a new nuclear power station at Wylfa:

Phone us: **0800 954 9516**
Email us: **wylfaenquiries@horizonnuclearpower.com**
Visit our website: **www.horizonnuclearpower.com**

Appendix A.7- Hard to Reach poster (youth)

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

ENERGY WORKING FOR BRITAIN

How can we get involved?

Our views count



A UK company of E.ON and RWE

A new power station at Wylfa
Your views count

For more information on how to get involved in the public consultation about proposals for a new nuclear power station at Wylfa:

Phone us: **0800 954 9516**
Email us: **wylfaenquiries@horizonnuclearpower.com**
Visit our website: **www.horizonnuclearpower.com**

Appendix A.7- Caravan Parks poster

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Mae eich barn chi'n bwysig

Yr hydref hwn, bydd Pŵer Niwclear Horizon yn ymgynghori ag aelodau'r cyhoedd ar ei gynigion ar gyfer gorsaf bŵer niwclear newydd yn Wylfa, Ynys Môn.

Os hoffech gael eich ychwanegu at ein cronfa ddata i gael rhagor o wybodaeth, neu os oes gennych unrhyw gwestiynau ynghylch sut gallai'r prosiect effeithio arnoch chi, cysylltwch â ni drwy ffonio ein llinell wybodaeth ar **0800 954 9516** neu drwy anfon e-bost atom yn **wylfaenquiries@horizonnuclearpower.com**

Bydd eich manylion personol yn cael eu prosesu a'u storio gan Pwˆ er Niwclear Horizon a'i asiantau, yn unol â Deddf Diogelu Data 1998 er mwyn gwneud yn siwˆ r eich bod yn cael yr wybodaeth ddiweddaraf ynghylch yr orsaf bwˆ er niwclear newydd arfaethedig yn Wylfa.



Mae Horizon Nuclear Power Services Limited yn gwmni sydd wedi'i gofrestru yng Nghymru ac yn Lloegr. Rhif 6812099.
Swyddfa gofrestredig – Valiant Court, Gloucester Business Park, Delta Way, Caerloyw (Gloucester) GL3 4FE

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Your views count

This Autumn, Horizon Nuclear Power will be consulting with members of the public on its proposals for a new nuclear power station at Wylfa, Anglesey.

If you would like to be added to our database to receive further information or have any questions about how the project might affect you, please contact us via our information line on **0800 954 9516** or email us at **wylfaenquiries@horizonnuclearpower.com**

Your personal details will be processed and stored by Horizon Nuclear Power and its agents in accordance with the Data Protection Act 1998 to keep you updated with any information related to the proposed new nuclear power station at Wylfa.



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Registered office: Valiant Court, Gloucester Business Park, Delta Way, Gloucester GL3 4FE

Appendix A.7- PAC1 poster

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN | ENERGY WORKING FOR BRITAIN

Mae eich safbwyntiau'n cyfri

Mae Pŵer Niwclear Horizon yn datblygu cynigion ar gyfer gorsaf bŵer niwclear newydd yn Wylfa ar Ynys Môn ac mae hi rŵan yn amser i chi gael dweud eich dweud.

Mae ymgynghori'n chwarae rhan hollbwysig o ran helpu i siapio'r cynigion ac mae'n bwysig bod cynifer o bobl â phosibl yn cymryd rhan yn y broses ymgynghori hon. Dim ots beth ydy eich barn chi ynghylch ein cynigion, mae eich safbwyntiau'n cyfri.

Your views count

Horizon Nuclear Power is developing proposals for a new nuclear power station at Wylfa on Anglesey and now is the time for you to have your say.

Consultation has a vital role to play in helping shape the proposals and it's important that as many people as possible take part in this consultation process. No matter what your opinion of our proposals may be, your views count.







I gael gwybod mwy am y cynigion ac anfon eich adborth atom, edrychwch ar ein gwefan yn: www.horizonnuclearpower.com/ymgynghoriad

Gallwch hefyd gysylltu â ni dros y ffôn ar: 0800 954 9516 neu anfon neges e-bost atom yn: ymholiadauwylfa@horizonnuclearpower.com

To find out more about the proposals and send us your feedback, visit our website at: www.horizonnuclearpower.com/consultation

You can also contact us by phone on: 0800 954 9516 or by email at: wylfaenquiries@horizonnuclearpower.com

Mae Horizon Nuclear Power Services Limited yn gwmni sydd wedi'i gofrestru yng Nghymru a Lloegr. Rhif 6812099. Swyddfa gofrestredig: Valiant Court, Gloucester Business Park, Delta Way, Gloucester GL3 4FE

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Appendix A.7- Library poster

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN | ENERGY WORKING FOR BRITAIN

Prosiect Wylfa Newydd

Mae modd gweld y Dogfennau Ymgynghori yma

Mae Pŵer Niwclear Horizon yn datblygu cynigion ar gyfer gorsaf bŵer niwclear newydd yn Wylfa ar Ynys Môn ac mae hi rŵan yn amser i chi gael dweud eich dweud.

Mae holl ddogfennau Ymgynghoriad Cyn Ymgeisio Prosiect Wylfa Newydd – Cam Un a dogfennau asesu ategol Prosiect Wylfa Newydd ar gael i'w gweld yma.

Wylfa Newydd Project

Consultation Documents available to view here

Horizon Nuclear Power is developing proposals for a new nuclear power station at Wylfa on Anglesey and now is the time for you to have your say.

All the Wylfa Newydd Project Pre-Application Consultation – Stage One documents and the Wylfa Newydd Project supporting assessment documents are available to view here.

Of hoffech chi anfon eich adborth am ein cynigion atom gallwch wneud hynny drwy ffurflen adborth sydd ar gael mewn digwyddiadau ymgynghori ac ar-lein yn: www.horizonnuclearpower.com/ymgynghoriad

Gallwch hefyd gysylltu â ni'n ysgrifenedig yn ein cyfeiriad rhadbost: FREEPOST HORIZON NUCLEAR POWER CONSULTATION neu drwy anfon e-bost at: ymholiadauwylfa@horizonnuclearpower.com

If you would like to send us your feedback on our proposals you can do so via a feedback form available at consultation events and online at: www.horizonnuclearpower.com/consultation

You can also contact us in writing at our freepost address: FREEPOST HORIZON NUCLEAR POWER CONSULTATION or by email at: wylfaenquiries@horizonnuclearpower.com

Mae Horizon Nuclear Power Services Limited yn gwmni sydd wedi'i gofrestru yng Nghymru a Lloegr. Rhif 6812099. Swyddfa gofrestredig: Valiant Court, Gloucester Business Park, Delta Way, Gloucester GL3 4FE

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Appendix A.7- Schools poster

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN



Your views count

We're planning to build a new nuclear power station at Wylfa and we want to know what you think.

To find out more about our plans and give us your feedback, visit our website: www.horizonnuclearpower.com/consultation

To keep up to date, follow us on twitter: @HorizonNuclearPower

If you've got any questions, call us on: 0800 954 9516
or send us an email at: wylfaenquiries@horizonnuclearpower.com

Horizon Nuclear Power Services Limited is a company registered in England and Wales No. 6812099. Registered office: Valiant Court, Gloucester Business Park, Delta Way, Gloucester GL3 4FE

Appendix A.7- Press release

HORIZON NUCLEAR POWER

Horizon Nuclear Power
5210 Valiant Court
Gloucester Business Park
Delta Way, Gloucester, GL3 4FE
T +44 (0) 845 300 6816

ENERGY WORKING FOR BRITAIN

NEWS RELEASE

EMBARGOED UNTIL 00.01 15 SEPTEMBER 2014

Horizon sets date for major consultation on nuclear new build plans

Horizon Nuclear Power has today set out how people can have their say on its nuclear new build plans, paving the way for 10 weeks of consultation on the proposed multi-billion pound Wylfa Newydd power station on Anglesey.

Horizon will launch its first phase of public consultation on Monday 29 September, and has today published its Statement of Community Consultation (SOCC) which outlines what is being consulted on, how people can get involved, and how people will be able to have their say on the draft proposals.

The consultation is a major step in the planning process and is the first time people will be able to view Horizon's proposals for Wylfa Newydd in detail. People will be able to access information online, at a series of public exhibitions and at libraries across North Wales and Anglesey. More information on the consultation will be available from 29 September at www.horizonnuclearpower.com/consultation.

Alan Raymant, Chief Operating Officer at Horizon, said: "It is crucial that people have the opportunity to have their say on our proposals. Wylfa Newydd is a major investment in the region and brings with it a wide range of benefits, from the economic to the educational, so we want to encourage people to take the time to get involved and understand what the project means for them, for the local area, and for Wales and the UK more widely.

"Our SOCC sets out our commitment to consultation and has been developed with support and input from the Isle of Anglesey County Council to ensure it meets the needs of local community. It outlines our approach to consultation and how people will be able to get involved and have their say on Wylfa Newydd."

The SOCC is available on Horizon's website at www.horizonnuclearpower.com and at libraries across the region. For more information, you can contact Horizon via the Wylfa Newydd freephone hotline on

0800 954 9516, via email at wylfaenquiries@horizonnuclearpower.com or visit www.horizonnuclearpower.com.

- ENDS -

Notes to Editors

- Horizon Nuclear Power was formed in 2009 to develop new nuclear power stations in the UK. It was acquired by Hitachi Ltd of Japan in November 2012. The company is developing plans to build at least 5,400MW of new nuclear power generation plant at Wylfa on the Isle of Anglesey and Oldbury-on-Severn in South Gloucestershire.

  Visit our website at: www.horizonnuclearpower.com.

- The public consultation, known as the Pre-Application Consultation, forms part of Horizon's planning application for the power station under the Development Consent Order process which is in place for Nationally Significant Infrastructure Projects. More detail on the process can be found here: http://infrastructure.planningportal.gov.uk/.

For further information please contact:

Ben Russell on 07580948106
ben.russell@horizonnuclearpower.com

Or

Richard Foxhall on 07807769265
richard.foxhall@horizonnuclearpower.com

Appendix A.7- Website visuals

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

ENGLISH CYMRAEG

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Welcome to the Wylfa Newydd Consultation

You'll find everything you need to know about the Wylfa Newydd project within our website





Consultation overview



Project information



Your views count



Consultation events

© 2014 Horizon Nuclear power - Wylfa Newydd. All rights reserved.



Project overview

Horizon Nuclear Power aims to deliver around 5,500 megawatts of new nuclear power station capacity at Wylfa on Anglesey

Our consultation

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Associated Development proin gravida nibh vel velit auctor aliquet. Aenean sollicitudin, lorem quis bibendum auctor, nisi elit consequat ipsum, nec sagittis sem nibh id elit eu in elit. Class aptent taciti sociosqu ad litora torquent per conubia nostra.

Proin gravida nibh vel velit auctor aliquet. Aenean sollicitudin, lorem quis bibendum auctor, nisi elit consequat ipsum, nec sagittis sem nibh id elit. Duis sed odio sit amet nibh vulputate cursus a sit amet mauris. Morbi accumsan ipsum velit. Nam nec tellus a odio tincidunt auctor a ornare odio. Sed non mauris vitae erat consequat auctor eu in elit. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Mauris in erat justo. Nullam ac urna eu felis dapibus condimentum sit amet a augue. Sed non neque elit. Sed ut imperdiet nisi. Proin condimentum fermentum nunc. Etiam pharetra, erat sed fermentum feugiat, velit mauris egestas quam, ut aliquam massa nisl quis neque. Suspendisse in orci enim.

Proin gravida nibh vel velit auctor aliquet. Aenean sollicitudin, lorem quis bibendum auctor, nisi elit consequat ipsum, nec sagittis sem nibh id elit. Duis sed odio sit amet nibh vulputate cursus a sit amet mauris. Morbi accumsan ipsum velit. Nam nec tellus a odio tincidunt auctor a ornare odio. Sed non mauris vitae erat consequat auctor eu in elit. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Mauris in erat justo. Nullam ac urna eu felis dapibus condimentum sit amet a augue. Sed non neque elit. Sed ut imperdiet nisi. Proin condimentum fermentum nunc. Etiam pharetra, erat sed fermentum feugiat, velit mauris egestas quam, ut aliquam orci enim.

View project themes >



Fig xxx - Site

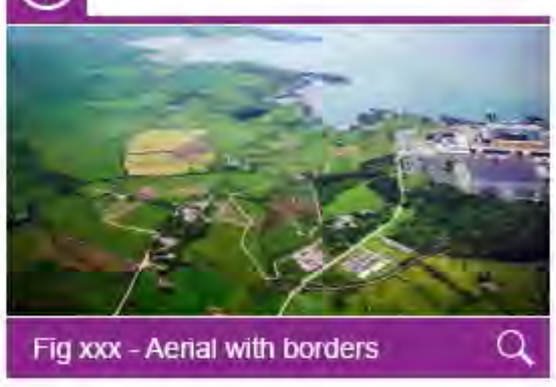


Fig xxx - Aerial with borders



Give us your feedback >

Multi-billion pound investment
in UK nuclear power stations



2 UK Advanced Boiling Water Reactors

2,700 megawatts of low carbon electricity at Wylfa Newydd; enough to generate electricity for around **5 million homes**

Aims of this consultation

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Events

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Manned exhibitions

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Event location

High Street, Cemaes, Anglesey, LL67 0HL

16 September 2014
7am to 5pm

View event location

Event location name across two lines

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16 September 2014
7am to 5pm

View event location

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16 September 2014
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16 September 2014
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Drop-in sessions

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16 September 2014
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Unmanned exhibitions

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Appendix A.7- Drop in panel

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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN | ENERGY WORKING FOR BRITAIN

Mae eich Barn chi'n Cyfri

Mae Pŵer Niwclear Horizon wrthi'n datblygu cynigion ar gyfer gorsaf pŵer niwclear newydd yn Wylfa ar Ynys Môn, a nawr yw'r amser i chi gael dweud eich dweud.

Mae ymgynghori â chymunedau lleol yn rhan hanfodol o'r broses i'n helpu ni i siapio'r cynigion, ac mae'n bwysig bod cynifer o bobl â phosib yn cymryd rhan yn y broses ymgynghori hon. Mae eich safbwyntiau chi'n cyfri, waeth beth yw eich barn am ein cynigion.

Cymerwch gopi o'r wybodaeth sydd ar gael yma, ac anfonwch y ffurflen adborth amgaeedig yn ôl i ni drwy'r post, neu llenwch y ffurflen ar-lein yn: **www.horizonnuclearpower.com/consultation** erbyn 8 Rhagfyr 2014.

Os oes gennych chi unrhyw gwestiynau am y cynigion, bydd aelod o'n tîm yma rhwng hanner dydd a 2pm heddiw.

Your Views Count

Horizon Nuclear Power is developing proposals for a new nuclear power station at Wylfa on Anglesey and now is the time for you to have your say.

Consultation with local communities has a vital role to play in helping shape the proposals and it's important that as many people as possible take part in this consultation process. No matter what your opinion of our proposals may be, your views count.

Please take a copy of the information available here and either send us the enclosed feedback form by post or complete it online at: **www.horizonnuclearpower.com/consultation** by 8 December 2014.

If you have any questions about the proposals, a member of our team will be here between midday and 2pm today.

Appendix A.7- Manned exhibition panels

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WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

About Horizon Nuclear Power

Horizon Nuclear Power is a UK energy company developing a new generation of nuclear power stations.



Aerial photo including the existing Magnox power station

A wholly owned subsidiary of Hitachi, Ltd., we plan to provide at least 5,400MW of new electricity generation capacity to the UK, enough to power around 10 million homes.

Nuclear power can play a vital role in meeting the challenge of maintaining affordable and secure energy supplies, while also tackling the global threat of climate change.

About Wylfa Newydd

Wylfa Newydd is the name of our project to build a new nuclear power station at Wylfa. The proposed site incorporates 629 acres of land beside the existing operational Magnox power station on the Wylfa Peninsula. As well as the infrastructure developed to support the existing station, Anglesey has a strong nuclear heritage, including a highly skilled workforce.

Our Wylfa Newydd Project will bring significant investment to Anglesey and North-West Wales. Once operational, the power station would employ up to 1,000 highly skilled workers as well as supporting further employment and supply chain opportunities in support services and industries, helping to secure the long-term economic future of the region.

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WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Why we are consulting

We want to provide a consultation that is meaningful, inclusive and clear and we encourage you to take part in the consultation process.



To build Wylfa Newydd, we need to apply for a development consent order, which would be granted by the Secretary of State for the Department of Energy and Climate Change.

We plan to make an application for the development consent order for the Power Station in 2017. For other parts of the project we'll need planning permissions and marine licenses, environmental permits and a nuclear site licence.

Before we apply for any of these permissions, we need to ensure that people from across the region have had an opportunity to view our project proposals and let us know what they think.

Your feedback has an important role to play in the development of our proposals. We will take the feedback we receive during this consultation into account alongside our own assessments and these will help to form our future proposals.

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What we're consulting on

We're consulting on the Wylfa Newydd Project, which includes both the power station and associated development.



Power Station indicative layout

The proposed new nuclear power station is located on the North coast of Anglesey, immediately south of the existing Magnox power station. It includes two UK Advanced Boiling Water Reactors (UK ABWR) to be supplied by Hitachi-GE Nuclear Energy Ltd, associated plant and ancillary structures.

It also includes the construction activities that need to take place both on the land and in the water near the Porth-y-pistyll coastline, including a cooling water system, breakwaters and marine off-loading facility.

Associated development will support delivery of the power station, for example highway improvements along the A5025, park and ride facilities for workers, at least one logistics centre and off-site temporary worker accommodation.

This consultation includes information on our proposals to help local people obtain the right skills to become involved in our project, as well as information on potential proposals and opportunities for community facilities, sports and leisure and recreation.

We're not consulting on the principle of nuclear power or the general suitability of our site for a new nuclear power station as the acceptability of both matters has already been established by the Government.

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How to get involved – your views count

Your response to this public consultation is very important and will help us shape our proposals – it's important that as many people as possible take part.





The consultation is taking place for 10 weeks between 29 September and 8 December 2014 and there are a number of ways in which you can give us your feedback during this time by:

- completing a feedback form at today's event and putting it in the box provided
- collecting a feedback form at this event and returning it to us using the freepost envelope provided
- completing the online feedback form on our website: **www.horizonnuclearpower.com/consultation**

You can also send us your feedback in the following ways:

- in writing to our freepost address: **FREEPOST HORIZON NUCLEAR POWER CONSULTATION**
- via email at: **wylfaenquiries@horizonnuclearpower.com**

Feedback is welcomed in either Welsh or English.

If you have any queries during and after the consultation, you can call the Wylfa Newydd freephone hotline on **0800 954 9516**.

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WYLFA NEWYDD

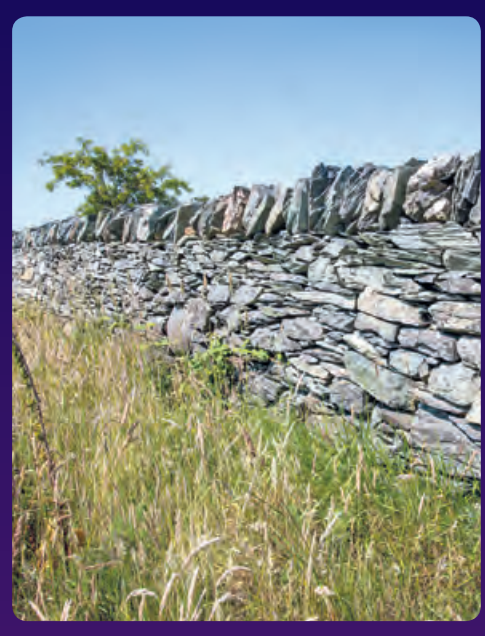
ENERGY WORKING FOR BRITAIN

Neighbourhood Support Scheme

At the same time as the Wylfa Newydd consultation, we're also consulting on our draft Neighbourhood Support Scheme.







The Neighbourhood Support Scheme is an entirely voluntary initiative, and will provide support over and above any mitigation measures, controls or statutory compensation.

We appreciate that building the power station will be a large scale project carried out over a long period of time. We know from feedback received from local residents that the construction impacts of the power station are a concern, particularly for those living nearest to the power station site. That's why we're proposing two extra measures aimed particularly at those living close to the power station site through our Neighbourhood Support Scheme.

- **Property Price Support** – support for residents living near to the power station site who are having difficulties selling their homes
- **Disturbance Mitigation** – extra measures to reduce construction noise at affected properties

We think it will be of most relevance to those living closest to the power station site where we expect the impact of construction to be the greatest but the consultation is open to anyone who wishes to comment.

It is important that we know what you think as your responses will help us to ensure the final scheme will be effective and fair.

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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Gair am Pŵer Niwclear Horizon

Mae Pŵer Niwclear Horizon yn gwmni ynni yn y DU sy'n datblygu cenhedlaeth newydd o orsafoedd pŵer niwclear.



Llun o'r awyr gan gynnwys gorsaf bŵer bresennol Magnox

Rydyn ni'n un o is-gwmnïau Hitachi, Ltd., ac rydyn ni'n bwriadu darparu o leiaf 5,400MW o gapasiti cynhyrchu trydan newydd i'r DU, a fydd yn ddigon o bŵer ar gyfer tua 10 miliwn o gartrefi.

Gall pŵer niwclear chwarae rhan hollbwysig o ran diwallu'r sialens o gynnal cyflenwadau fforddiadwy a sicr o ynni, ar yr un pryd â mynd i'r afael â bygythiad byd-eang newid yn yr hinsawdd.

Gair am Wylfa Newydd

Wylfa Newydd ydy enw ein prosiect i adeiladu gorsaf bŵer niwclear newydd yn Wylfa. Mae'r safle a gynigir yn cynnwys 629 acer o dir wrth ymyl gorsaf bŵer bresennol Magnox ar Benrhyn Wylfa. Yn ogystal â'r seilwaith sydd wedi'i ddatblygu i gynnal yr orsaf bresennol, mae gan Ynys Môn dreftadaeth niwclear gryf, gan gynnwys gweithlu medrus iawn.

Bydd ein Prosiect Wylfa Newydd yn dod â buddsoddiad sylweddol i Ynys Môn ac i Ogledd Orllewin Cymru. Pan fydd yr orsaf bŵer ar waith byddai'n cyflogi hyd at 1,000 o weithwyr medrus iawn, yn ogystal ag yn cefnogi rhagor o gyfleoedd cyflogaeth a chyfleoedd yn y gadwyn gyflenwi mewn diwydiannau a gwasanaethau cefnogi, gan helpu i sicrhau dyfodol economaidd tymor hir y rhanbarth.

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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Pam ydyn ni'n ymgynghori

Rydyn ni eisiau cynnal ymgynghoriad sy'n ystyrlon, yn gynhwysfawr ac yn glir ac rydyn ni'n eich annog i gymryd rhan yn y broses ymgynghori hon.



Er mwyn adeiladu Wylfa Newydd mae angen i ni wneud cais am orchymyn cydsyniad datblygu, sy'n cael ei roi gan Ysgrifennydd Gwladol yr Adran Ynni a Newid Hinsawdd.

Rydyn ni'n bwriadu cyflwyno cais am y gorchymyn cydsyniad datblygu ar gyfer yr Orsaf Bŵer yn 2017. Ar gyfer rhannau eraill o'r prosiect byddwn ni angen caniatâd cynllunio a thrwyddedau morol, trwyddedau amgylcheddol a thrwydded safle niwclear.

Cyn i ni wneud cais am unrhyw un o'r rhain, mae angen i ni sicrhau bod pobl ar draws y rhanbarth wedi cael cyfle i weld cynigion ein prosiect a rhoi eu barn.

Mae gan eich adborth chi ran bwysig i'w chwarae wrth i ni ddatblygu ein cynigion. Byddwn ni'n ystyried yr adborth a gawn yn ystod yr ymgynghoriad hwn ochr yn ochr â'n hasesiadau ein hunain a bydd y rhain yn helpu i ffurfio ein cynigion ar gyfer y dyfodol.

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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Beth ydyn ni'n ymgynghori yn ei gylch

Rydyn ni'n ymgynghori ynghylch Prosiect Wylfa Newydd, sy'n cynnwys yr orsaf bŵer a'r datblygiadau cysylltiedig.



Cynllun dangosol yr Orsaf Bŵer

Mae'r orsaf bŵer niwclear newydd a gynigir ar arfordir gogledd Ynys Môn, yn union i'r de o orsaf bŵer bresennol Magnox. Mae'n cynnwys dau Adweithydd Dŵr Berwedig Uwch y DU (UK ABWR) a fydd yn cael eu cyflenwi gan Hitachi-GE Nuclear Energy Ltd, offer cysylltiedig a strwythurau ategol.

Mae hefyd yn cynnwys y gweithgareddau adeiladu y bydd angen eu gwneud ar y tir ac yn y dŵr ger morlin Porth-y-pistyll, gan gynnwys system dŵr oeri, morgloddiau a chyfleuster dadlwytho morol.

Bydd y datblygiadau cysylltiedig yn cefnogi'r gwaith o ddarparu'r orsaf bŵer, er enghraifft gwella'r briffordd ar hyd yr A5025, cyfleusterau parcio a theithio i weithwyr, o leiaf un ganolfan logisteg a llety gweithwyr dros dro oddi ar y safle.

Mae'r ymgynghoriad hwn hefyd yn cynnwys gwybodaeth am ein cynigion i helpu pobl leol i ennill y sgiliau iawn er mwyn gallu cymryd rhan yn ein prosiect, yn ogystal â gwybodaeth am gynigion a chyfleoedd posibl ar gyfer cyfleusterau cymunedol, chwaraeon, hamdden ac adloniant.

Dydyn ni ddim yn ymgynghori ynghylch egwyddor pŵer niwclear na pha mor addas ydy ein safle'n gyffredinol ar gyfer gorsaf bŵer niwclear newydd gan fod y Llywodraeth eisoes wedi cadarnhau bod y naill fater a'r llall yn dderbyniol.

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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Sut mae cymryd rhan – mae eich safbwyntiau'n cyfri

Mae eich ymateb i'r ymgynghoriad cyhoeddus hwn yn bwysig iawn a bydd yn ein helpu i siapio ein cynigion – mae'n bwysig bod cynifer â phosibl o bobl yn cymryd rhan.





Mae'r ymgynghoriad yn cael ei gynnal am 10 wythnos rhwng 29 Medi a 8 Rhagfyr 2014 ac mae sawl ffordd i chi gyflwyno eich adborth yn ystod y cyfnod hwn:

- llenwi ffurflen adborth yn y digwyddiad heddiw a'i roi yn y blwch sy'n cael ei ddarparu
- casglu ffurflen adborth yn y digwyddiad a'i dychwelyd atom yn yr amlen radbost sy'n cael ei darparu
- llenwi'r ffurflen adborth ar-lein ar ein gwefan: **www.horizonnuclearpower.com/ymgynghoriad**

Gallwch hefyd anfon eich adborth drwy'r dulliau canlynol:

- drwy ysgrifennu i'n cyfeiriad rhadbost: FREEPOST HORIZON NUCLEAR POWER CONSULTATION
- drwy e-bost at: ymholiadauwylfa@horizonnuclearpower.com

Mae croeso i chi gyflwyno eich adborth yn Gymraeg neu yn Saesneg.

Os oes gennych chi unrhyw ymholiadau yn ystod yr ymgynghoriad neu wedyn, gallwch chi ffonio llinell gymorth radffôn Wylfa Newydd ar 0800 954 9516.

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WYLFA NEWYDD

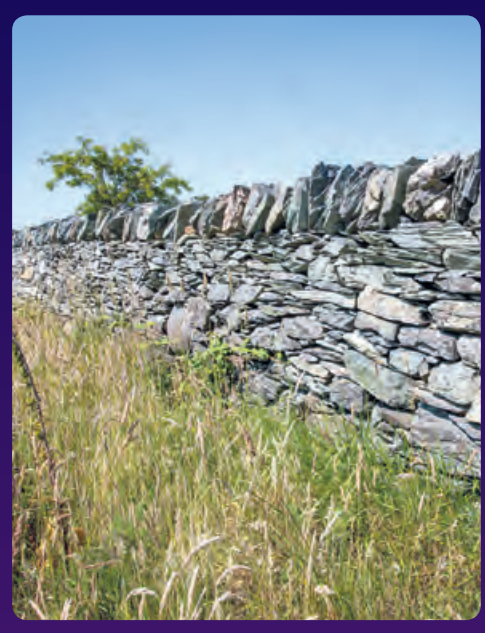
YNNI YN GWEITHIO I BRYDAIN

Y Cynllun Cefnogi Cymdogaeth

Ar yr un pryd ag ymgynghoriad Wylfa Newydd, rydyn ni hefyd yn ymgynghori ynghylch ein Cynllun Cefnogi Cymdogaeth drafft.







Mae'r Cynllun Cefnogi Cymdogaeth yn gynllun hollol wirfoddol, a bydd yn darparu cefnogaeth sy'n mynd y tu hwnt i unrhyw fesurau lliniaru, rheolaethau neu iawndal statudol.

Rydyn ni'n gwerthfawrogi y bydd adeiladu'r orsaf bŵer yn brosiect mawr a fydd yn digwydd dros gyfnod hir. Rydyn ni'n gwybod bod trigolion lleol yn poeni am effeithiau adeiladu'r orsaf bŵer, yn enwedig y rheini sy'n byw agosaf at safle'r orsaf bŵer. Dyna pam rydyn ni'n cynnig dau fesur ychwanegol sydd wedi'u hanelu'n benodol at y rheini sy'n byw'n agos at safle'r orsaf bŵer drwy ein Cynllun Cefnogi Cymdogaeth.

- **Cefnogaeth Pris Eiddo** – cefnogaeth i drigolion sy'n byw wrth ymyl safle'r orsaf bŵer sy'n ei chael hi'n anodd gwerthu eu cartrefi
- **Lliniaru Aflonyddwch** – mesurau ychwanegol i leihau'r sŵn adeiladu yn yr eiddo y bydd y gwaith yn effeithio arnyn nhw

Rydyn ni'n meddwl y bydd hyn yn fwyaf perthnasol i'r rheini sy'n byw agosaf at safle'r orsaf bŵer lle byddwn ni'n disgwyl i effaith y gwaith adeiladu fod ar ei mwyaf, ond mae'r ymgynghoriad ar agor i unrhyw un sy'n dymuno cyflwyno sylwadau.

Mae'n bwysig ein bod yn gwybod beth rydych chi'n ei feddwl oherwydd bydd eich ymatebion chi yn ein helpu i sicrhau bod y cynllun terfynol yn effeithiol ac yn deg.

Appendix A.7- Unmanned exhibition panels

PŴER NIWCLEAR
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WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN | ENERGY WORKING FOR BRITAIN

Mae eich Barn chi'n Cyfri

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Your Views Count

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1 Introduction

1.1 This document has been produced by Horizon Nuclear Power Wylfa Limited (Horizon) to support the first stage of a consultation about Horizon's proposed new nuclear power station at Wylfa, on Anglesey. This consultation document (subsequently referred to as this Document) sets out the proposals and invites comments and feedback. It is not an application for planning consent of any form.

1.2 This Document is primarily aimed at a more technical audience, which is expected to include stakeholder organisations and those individuals with a specific interest in one or more components of the Wylfa Newydd Project. A separate document that is aimed at a much wider audience, called the Consultation Overview Document, is also available. This provides an overview of this Document and incorporates some preliminary environmental information.

Horizon Nuclear Power

1.3 Horizon is a UK energy company developing a new generation of nuclear power stations to help meet the UK's need for stable and sustainable low carbon energy. Building on the core values of safety, courage, integrity, collaboration and inspiration, Horizon's Vision is as follows:

"We believe there is a compelling requirement for new nuclear power in the UK to help tackle the vital and complex challenge of delivering a sustainable energy future. Horizon will deliver secure, affordable, low carbon energy for present and future generations."

1.4 Horizon has headquarters in Gloucestershire and a site office on Anglesey and its ultimate parent company is Hitachi Ltd. Horizon is currently planning to develop a new nuclear power station at Wylfa on Anglesey, representing an investment of around £10 billion. Nuclear power can play a vital role in meeting the challenge of maintaining secure energy supplies for the UK, while also tackling the global threat of climate change by meeting emissions reduction targets. Horizon's new nuclear power station at Wylfa will deliver at least 2,700 megawatts (MW) of electricity, enough power for around 5 million homes.

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The Wylfa Newydd Project

1.5 The Wylfa Newydd Project (Project) as a whole includes:

- **The Power Station** – the proposed new nuclear power station including two UK Advanced Boiling Water Reactors (UK ABWR) to be supplied by Hitachi-GE Nuclear Energy, Ltd., associated plant and ancillary structures and features to be constructed and operated at Wylfa; and
- **Associated Development**[1] – development to support delivery of the Power Station, for example highway improvements along the A5025, Park and Ride facilities for construction workers, at least one Logistics Centre and Off-Site Temporary Worker Accommodation.

1.6 The Wylfa Newydd Project requires development of complex infrastructure which will ultimately enable electricity generated at the Power Station to be exported to the national grid electricity transmission network. Additionally, the surrounding land and marine areas would have an important role during construction and operation of the Power Station, supporting essential construction facilities, temporary and permanent infrastructure and enabling the creation of an appropriate landscape setting for the Power Station.

1.7 The Wylfa Newydd Project would build on the long-established history of nuclear power generation at Wylfa, creating significant medium and long term employment in North-West Wales and injecting many million pounds per year into the local economy. In the long term, the Wylfa Newydd Project would also contribute to the Isle of Anglesey County Council's (IACC's) aspiration to create *"a world-renowned centre of excellence for the production, demonstration and servicing of low carbon energy"*.

1.8 The Wylfa Newydd Project is expected to create up to 1,000 permanent jobs and approximately 1,000 additional jobs during periods of outage for maintenance, presenting opportunities to draw on the experienced local skills base. Several thousand construction workers would be required, and numbers could reach 8,500 during peak periods. There would also be considerable additional opportunities generated for supporting businesses, such as catering, facilities management and logistics.

[1] Section 115(2) of the Planning Act 2008 gives the term "associated development" a narrow and specific meaning in Wales. Horizon recognises this; however, uses the term with the wider meaning set out in this paragraph.

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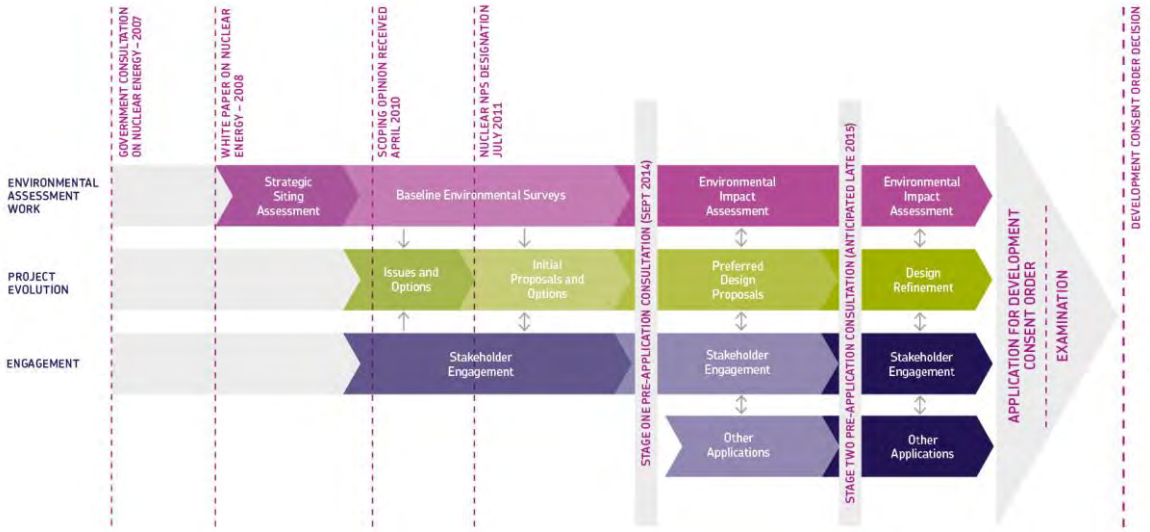
1.9 The development of the Wylfa Newydd Project will require a number of applications to be made under different legislation to different regulators. A nuclear power station is a nationally significant infrastructure project (NSIP) under the Planning Act 2008 and its construction and operation must be authorised by a development consent order granted by the Secretary of State for Energy and Climate Change. Horizon currently anticipates that the development consent order would be made in 2017. In addition to the development consent order, Horizon will also require planning permissions for other parts of the Wylfa Newydd Project, as well as marine licences, environmental permits and regulatory licences, such as a Nuclear Site Licence. Further detail on these permits is provided in Chapter 5.

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An Overview of the Evolution of the Project

1.10 Horizon has put a lot of work into developing the Wylfa Newydd Project to a point where it has sufficient information to support this first stage of pre-application consultation. Figure 1.1 provides an outline of the work Horizon has undertaken since April 2010 and also demonstrates Horizon's commitment to continue using feedback from consultation and engagement to develop the Wylfa Newydd Project.

Figure 1.1 Evolution of the Project



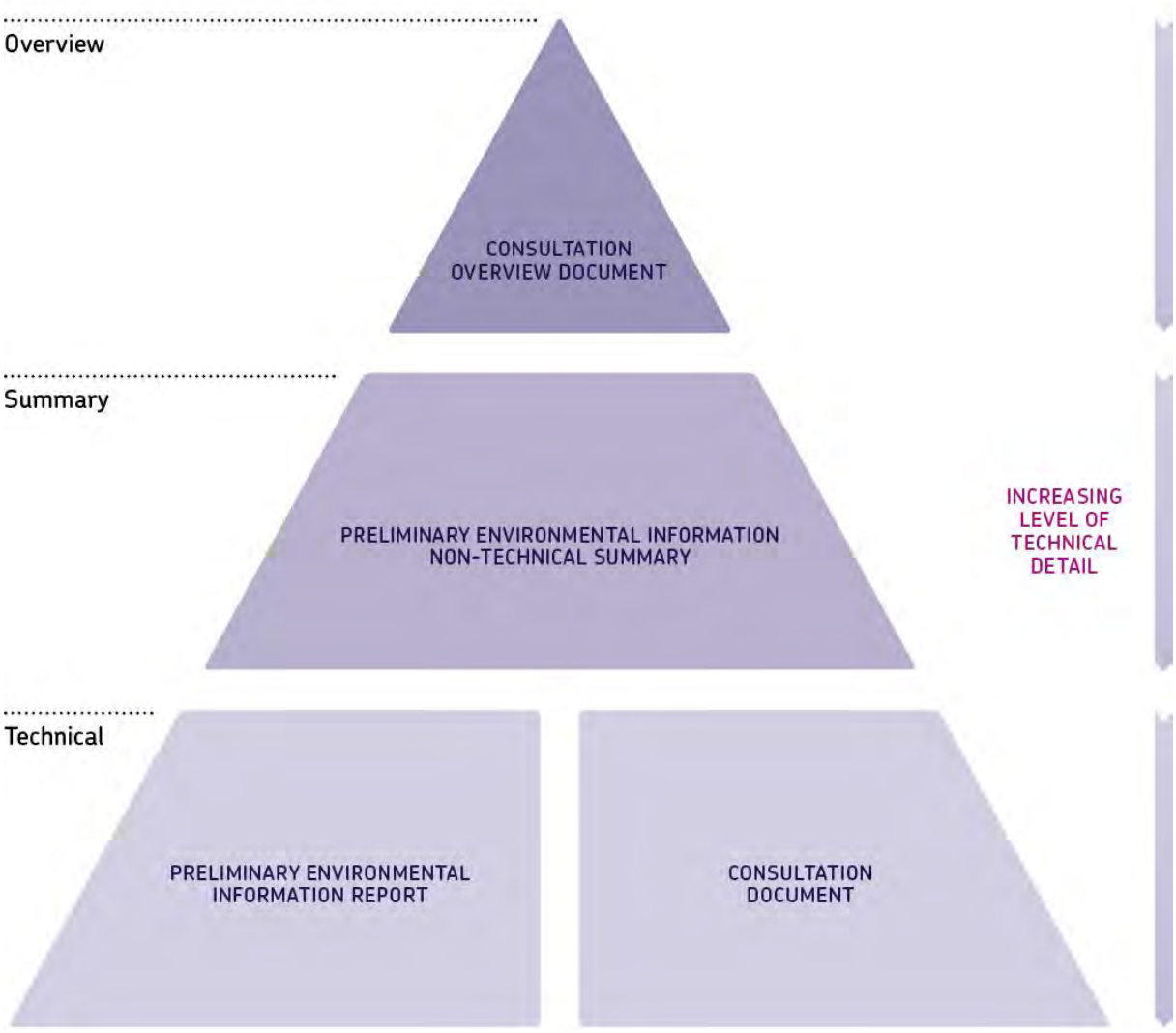
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An Overview of Stage One Pre-Application Consultation Materials

1.11 The Planning Act 2008 requires the promoter of an NSIP to undertake pre-application consultation before making an application for a development consent order. For complex proposals, it is anticipated that pre-application consultation may be undertaken in more than one stage. Horizon anticipates that this current consultation process (Stage One pre-application consultation) will be the first of a two-stage pre-application consultation process.

1.12 The documents available for this Stage One pre-application consultation have been prepared to provide varying levels of technical information, as shown in Figure 1.2.

Figure 1.2 Stage One Pre-application Consultation Materials



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Description of Stage One Pre-Application Consultation Materials

1.13 The Stage One pre-application consultation materials comprise two non-technical and two technical documents, as set out below. Horizon has prepared the non-technical documents to be more accessible to the public, but expects the technical documents to be of particular assistance to local authorities and other statutory bodies being consulted.

Non-technical Documents

Consultation Overview Document

1.14 This document provides a non-technical overview of the Wylfa Newydd Project. It also includes all of the consultation questions being asked as part of the Stage One pre-application consultation. This overview document is available in both Welsh and English.

Preliminary Environmental Information Non-technical Summary

1.15 This document provides a non-technical summary of the known environmental characteristics of the Wylfa area and likely impacts of the Wylfa Newydd Project in relation to a number of environmental topic areas, drawing on the more detailed information presented in the Preliminary Environmental Information (PEI Report). This non-technical summary document is available in both Welsh and English.

Technical Documents

Consultation Document

1.16 This Document is the consultation document. It presents Horizon's Wylfa Newydd Project proposals and provides a description of the way in which the Wylfa Newydd Project has evolved. It highlights the particular areas where feedback from consultees is sought to influence the development of the Wylfa Newydd Project proposals and the next steps Horizon intends to undertake. This Document contains all of the questions posed at this Stage One pre-application consultation. It incorporates some Preliminary Environmental Information, supported by cross-references to where further information can be found in the PEI Report, to assist consultees in understanding the types of impacts and effects that different aspects of the Wylfa Newydd Project may have on local communities and the environment.

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Preliminary Environmental Information Report

1.17 This report sets out the environmental information collated in relation to the Wylfa Newydd Project to date as part of the Environmental Impact Assessment (EIA) process. It describes the existing baseline environmental conditions and provides a preliminary indication of likely impacts that could arise from the Project. The purpose of this report is to provide sufficient Preliminary Environmental Information to enable members of the public, statutory consultees and other stakeholders to develop an informed view of the Project. A PEI Report is a pre-cursor to an Environmental Statement, which will document the formal EIA process that is required to accompany an application for a development consent order.

Accessing the Pre-Application Consultation Materials

1.18 The Stage One pre-application consultation materials are available to download from Horizon's website at www.horizonnuclearpower.com/consultation and are also available in hard-copy form at various locations. There is a comments form available at all Horizon events and from the website, as well as an option to register and comment electronically, both of which allow consultees to respond to Horizon's consultation questions. Comments may be made in Welsh or English.

Scoping Activities for Supporting Assessments

1.19 Horizon is also consulting key stakeholders on scoping reports for three supporting assessments it intends to produce as part of the application for the development consent order. These are:

- Language Impact Assessment Scoping Report – this sets out Horizon's proposed method for assessing the potential impacts of the Wylfa Newydd Project on Welsh language and culture;
- Health Impact Assessment Scoping Report – this sets out Horizon's proposed method for considering the potential impacts of the Project on health and wellbeing; and
- Sustainability Assessment Scoping Report – this provides the technical background for defining sustainability for the Wylfa Newydd Project, which is expressed through the development of bespoke sustainability objectives. It also sets out a methodology for periodically reviewing the performance of the Wylfa Newydd Project in relation to sustainability.

1.20 These scoping reports are available on Horizon's website, which is www.horizonnuclearpower.com/consultation.

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How this Document is Structured

1.21 The general content of this Document is as follows:

- Chapter 1: Introduction: provides a brief introduction to the Wylfa Newydd Project;
- Chapter 2: A Project Overview: contains a brief overview of the key components of the Wylfa Newydd Project, with reference to Project maps;
- Chapter 3: Environmental Context: provides an overview of key contextual environmental information relevant to the Power Station and surrounding area;
- Chapter 4: Consultation Context: provides context on the consultation process, including legal requirements, the proposed stages of consultation and EIA requirements;
- Chapter 5: Background Context for the Development: sets out the need for the Wylfa Newydd Project and includes relevant policy and regulatory considerations;
- Chapter 6: Power Station Proposals: describes the main parts of the operational Power Station;
- Chapter 7: Building and Operating the Power Station: Key Activities and Likely Environmental Effects: provides an indicative sequence of the key stages of the Wylfa Newydd Project, the key activities anticipated and an indication of the likely environmental effects arising from these activities;
- Chapter 8: Landscape and Appearance: contains an indicative proposal for creating a landscape setting for the Power Station and outlines options for landscaping and architecture;
- Chapter 9: Realising the Economic Benefits of the Project: outlines the job creation anticipated from the Wylfa Newydd Project, as well as Horizon's current thinking on supply chain and local procurement;
- Chapter 10: Meeting Transport and Construction Workforce Requirements: outlines Horizon's latest thinking about how the transport and construction workforce requirements of the Wylfa Newydd Project could be managed, and provides information on specific options for highway improvements;
- Chapter 11: Legacy Benefits and Community Facilities: considers the way in which additional benefits to the community may be realised, and presents a number of potential options for community facilities; and

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- **Chapter 12: Next Steps:** sets out how consultation responses will be considered in developing the Wylfa Newydd Project. It also includes information relating to forthcoming work that Horizon will undertake to inform further development of the Wylfa Newydd Project.

Throughout this document, the particular areas on which feedback is sought are highlighted in purple-coloured text, contained within a purple outline, like this.

Consultation questions are contained in purple boxes like this one. Each question is numbered.

1.22 Horizon would greatly appreciate hearing your views. Responses to this consultation need to be received by 8 December 2014.

Glossary

1.23 This Document uses a number of technical terms and abbreviations. Key terms are capitalised and explained with their acronyms in the Glossary, which is provided in Appendix C. References to legislation are to that legislation as in force at the time of the publication of this Document.

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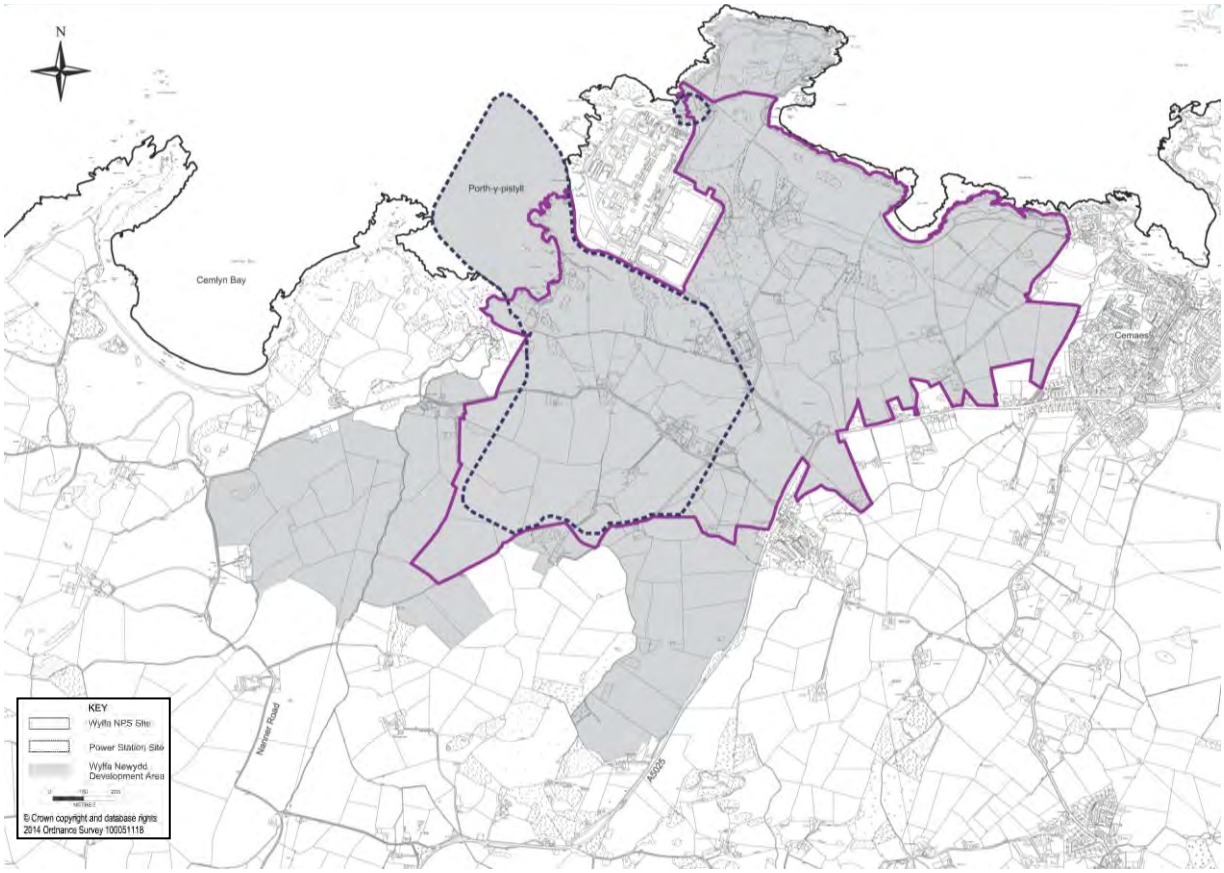
2 Project Overview

2.1 This Chapter gives a brief overview of the Wylfa Newydd Project by way of context for the more detailed descriptions that follow later in this Document.

Distribution of Project Components

2.2 The built components of the Wylfa Newydd Project have been grouped into three geographic areas to give an indication of where activities would occur. The first two of these areas, which are the Power Station Site and the Wylfa Newydd Development Area, are shown in Figure 2.1

Figure 2.1 Geographic areas of the Project



2.3 The three geographic areas can be described as follows:

- **Power Station Site** – the indicative area of land and sea within which the majority of the permanent Power Station buildings, plant and structures would be situated. It would include the two nuclear reactors, steam turbines, the Cooling Water System (CWS) intake/pumphouse and outfall structures and breakwaters, as well as other ancillary structures;
- **Wylfa Newydd Development Area** – the indicative area of land including the Power Station Site and the surrounding areas that would be used for the construction and operation of the Power Station. This area will be refined through the consultation process as Horizon develops a better understanding of the size and location of the areas that will be needed for construction activities and as the setting and features of the Power Station are finalised; and
- **Off-Site** – the areas of land needed for the Project, which are yet to be identified, but would be outside the Wylfa Newydd Development Area. It is anticipated that components within this area would include a small number of emergency and other facilities, and most of the Associated Development (such as the highway improvements along the A5025 (see Figure 2.3), Park and Ride facilities for construction workers, at least one Logistics Centre and Off-Site Temporary Worker Accommodation).

Project Description

2.4 The Power Station would include two UK ABWRs, with a combined electrical output of at least 2,700 MW.

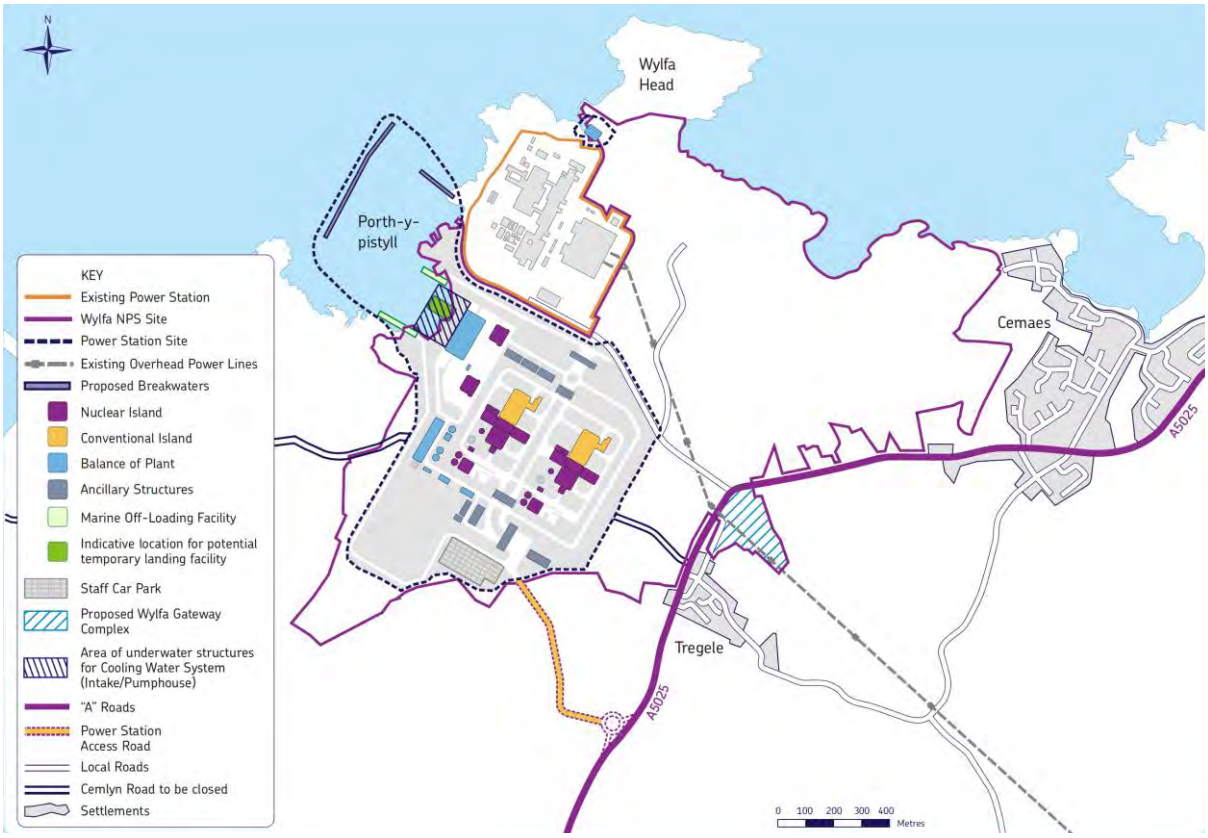
2.5 The main operational plant and structures of the Power Station (described in more detail in Chapter 6 of this Document include:

- Two nuclear reactors and associated plant and structures (forming two Nuclear Islands (see Figure 2.2));
- Steam turbines, electrical generators and associated structures (forming two Conventional Islands (see Figure 2.2));
- Plant, systems and associated structures that serve both generating units, including the CWS (Balance of Plant (see Figure 2.2)); and
- Buildings and other structures that are necessary to support the construction, operation and management of the Power Station (Ancillary Structures (see Figure 2.2)).

2.6 Horizon will also develop a small number of emergency and other facilities that would form part of the Power Station, but be situated Off-Site.

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Figure 2.2 Indicative distribution of Project components – Power Station Site and surroundings



2.7 The Project would necessarily give rise to radioactive wastes. Specifically designed facilities would be constructed to store Spent Fuel and other types of radioactive waste, as required. All necessary safety, environmental and security arrangements for the Power Station would be put in place in accordance with the UK regulatory regime.

2.8 Water for the CWS, which is used in the non-nuclear circuits to condense steam, would be taken from and returned to the Irish Sea via intake and outfall structures. A cooling water intake/pumphouse is proposed to be located at Porth-y-pistyll. To protect the cooling water intake/pumphouse structures (CW intake) from storm damage and to prevent air getting into the CWS, a breakwater structure is planned to the north-west of Porth-y-pistyll, with a second and smaller breakwater to the north-east. The cooling water outfall (CW outfall) is proposed to be constructed to the south-west of Wylfa Head.

2.9 In order to provide some visual and noise screening of the Power Station for neighbouring communities, mounds would be formed and landscaped, helping to create an appropriate setting for the Power Station. To achieve this, material excavated during construction would be used and, as such, the appearance of the

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land within the Wylfa Newydd Development Area would change as construction progresses, leading to the completion of the final landscaped Power Station.

2.10 An appropriate landscape setting would be secured by a Landscape and Biodiversity Masterplan. The Landscape and Biodiversity Masterplan would be developed to take into account a number of factors such as environmental effects and mitigation proposals, ecology and recreational and agricultural use, and the earthworks taking place on the Wylfa Newydd Development Area.

2.11 A number of public footpaths, including the Wales Coast Path, would be affected by the construction activities, necessitating the creation of diversions and some closures. The existing Cemlyn Road, which is part of the Copper Trail cycle route, would also need to be closed. Nanner Road provides an alternative access to Cemlyn Bay from the A5025 and highway improvements would be undertaken to enhance this route.

2.12 In terms of construction activities, in the first instance there would be a need for Enabling Works to prepare the Wylfa Newydd Development Area for the Main Construction stage. The Enabling Works would include site clearance and site levelling works. These Enabling Works are anticipated to last approximately five years, with some activities overlapping with the Main Construction stage (see Figure 7.1 for further information).

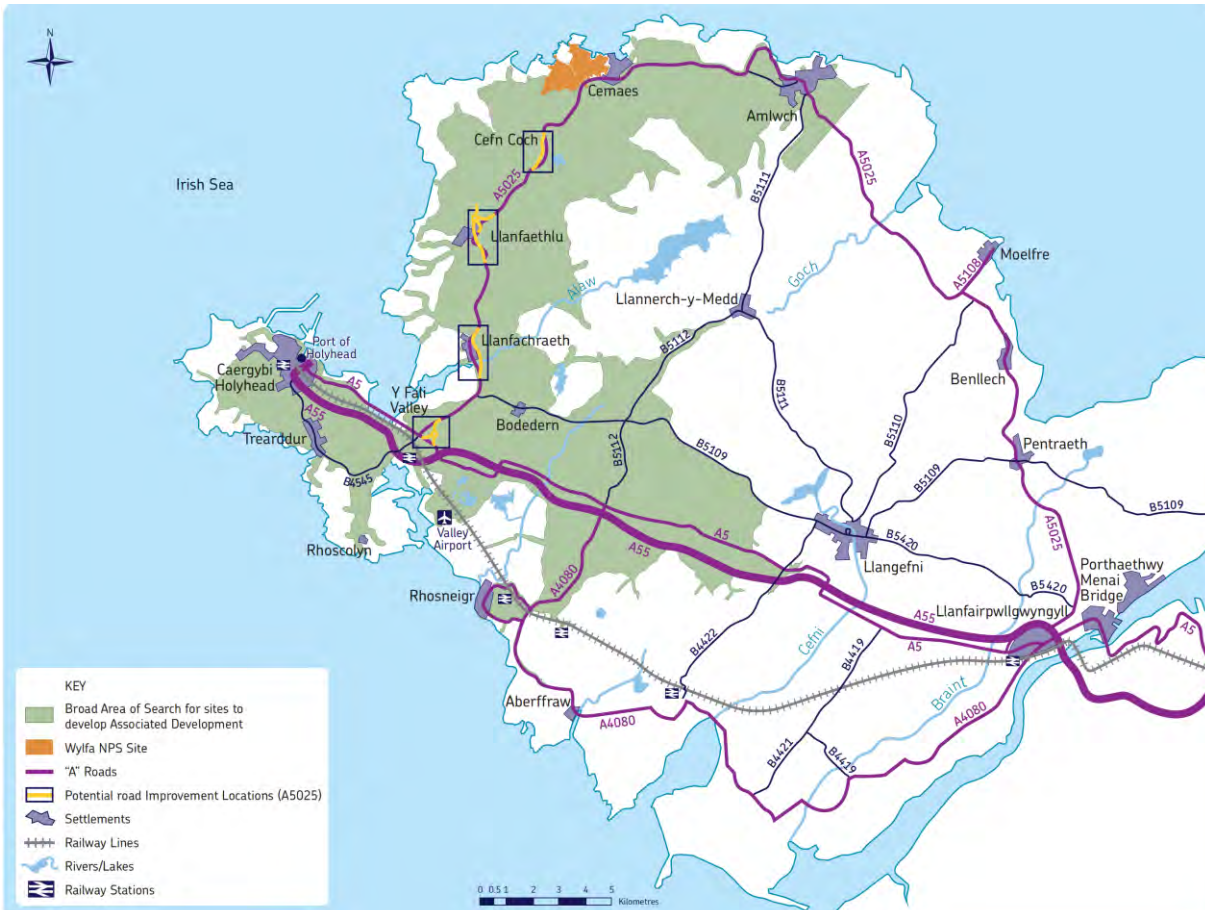
2.13 The Main Construction stage would include further levelling works and deep excavations to form working platforms for the construction of the main foundations of the Power Station. In addition, the Power Station construction requirements are likely to include temporary fabrication and laydown areas, construction office and welfare facilities, car parking, cranes and temporary storage. A Marine Off-Loading Facility (MOLF), which would include two purpose built quays to allow delivery of construction components and other materials by sea, would be constructed at Porth-y-pistyll, taking advantage of the shelter that would be provided by the proposed breakwaters. The Main Construction stage would last approximately nine years.

2.14 The construction workforce for the Wylfa Newydd Project would be around 4,000 for the majority of the time and could reach 8,500 during peak periods. Once operational, the Power Station would employ up to 1,000 workers, with approximately 1,000 additional workers required during planned outages for maintenance. Job roles would range from entry level positions, through supervisory and managerial positions, to technical and specialised jobs. Horizon intends to develop a local and regional operational workforce through coordinated approaches to defining jobs and skills, linked to supporting appropriate training opportunities. Horizon also promotes the development and use of local supply chains for the Wylfa Newydd Project.

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2.15 Horizon would need to develop facilities away from the Wylfa Newydd Development Area, particularly for the proportion of construction workers who are not local. These facilities largely comprise Associated Development such as Off-Site Temporary Worker Accommodation and Park and Ride facilities (see Figure 2.3).

Figure 2.3 Indicative distribution of Project components – Off-Site



2.16 In order to ensure that there is a route suitable for use by heavy goods vehicles (HGVs), various highway improvement works, especially on the A5025 between Valley and Wylfa, would be needed. In addition, Horizon would construct at least one Logistics Centre to allow the delivery of freight to the Wylfa Newydd Development Area to be appropriately controlled.

2.17 Utilities such as water and sewerage would be needed to support both construction and operation of the Power Station and Horizon is working with statutory undertakers to ensure appropriate utilities provision.

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2.18 Horizon is keen to ensure appropriate community facilities would be developed as part of the Wylfa Newydd Project to cater for the construction workforce and to mitigate against the loss of existing facilities (such as the existing Wylfa Visitor Centre and Wylfa Sports and Social Club). Horizon is exploring measures for the provision of these community facilities. These, as well as other parts of the Wylfa Newydd Project (such as the road improvements), would be designed to ensure a positive legacy benefit, particularly for the communities of Anglesey and North Wales.

Question 1

Do you have any general comments about the Project?

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3 Environmental Context

3.1 Anglesey is the largest of the Welsh islands and covers some 720 square kilometres (278 square miles). The island's population totals around 70,000 people,[2] with notable clusters in a small number of key settlements. Population migration has been stable in recent years; however, there is an overall trend towards an ageing population. Anglesey has a distinctive cultural identity and is a stronghold of Welsh language and culture.

3.2 The island has approximately 210km (130 miles) of varied coastline. The landscape is predominantly rural, characterised by an established network of fields. These are interspersed with small settlements and linear transport routes, reflecting the island's history and traditions as an area dominated by agriculture and food production. Agriculture remains an important aspect of the island's economy, which also has substantial representation from manufacturing and tourism as well as a small number of large employers including the IACC and the existing Magnox power station (Existing Power Station).

[2] Data from Census 2011.

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Wylfa Newydd Development Area

3.3 The Wylfa Newydd Development Area is located on the Wylfa Peninsula, situated along the north coast of Anglesey, and covers some 380 hectares of land. It is bounded to the north by the coast and the Existing Power Station. To the east, it is separated from Cemaes by a narrow corridor of agricultural land. The A5025 and residential properties define part of the south-east boundary, with a small parcel of land spanning the road to the north-east of Tregele. To the south and west, the Wylfa Newydd Development Area abuts agricultural land, and to the west it adjoins the coastal hinterland and includes part of Cestyll Garden, beyond which lies Cemlyn Bay. It is centrally positioned in the aerial photograph that forms Figure 3.1.

Figure 3.1 Aerial Photograph showing part of the Wylfa Newydd Development Area in context



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Local Environment

Land Use and Landscape

3.4 Settlement patterns around the Wylfa Newydd Development Area are characterised by small clusters of residential dwellings and more isolated farmsteads. Larger settlements include the villages of Cemaes to the immediate east and Tregele to the south-east. Other urban areas include the towns of Amlwch (9km east), Holyhead (24km south-west) and Llangefni (37km south-east).

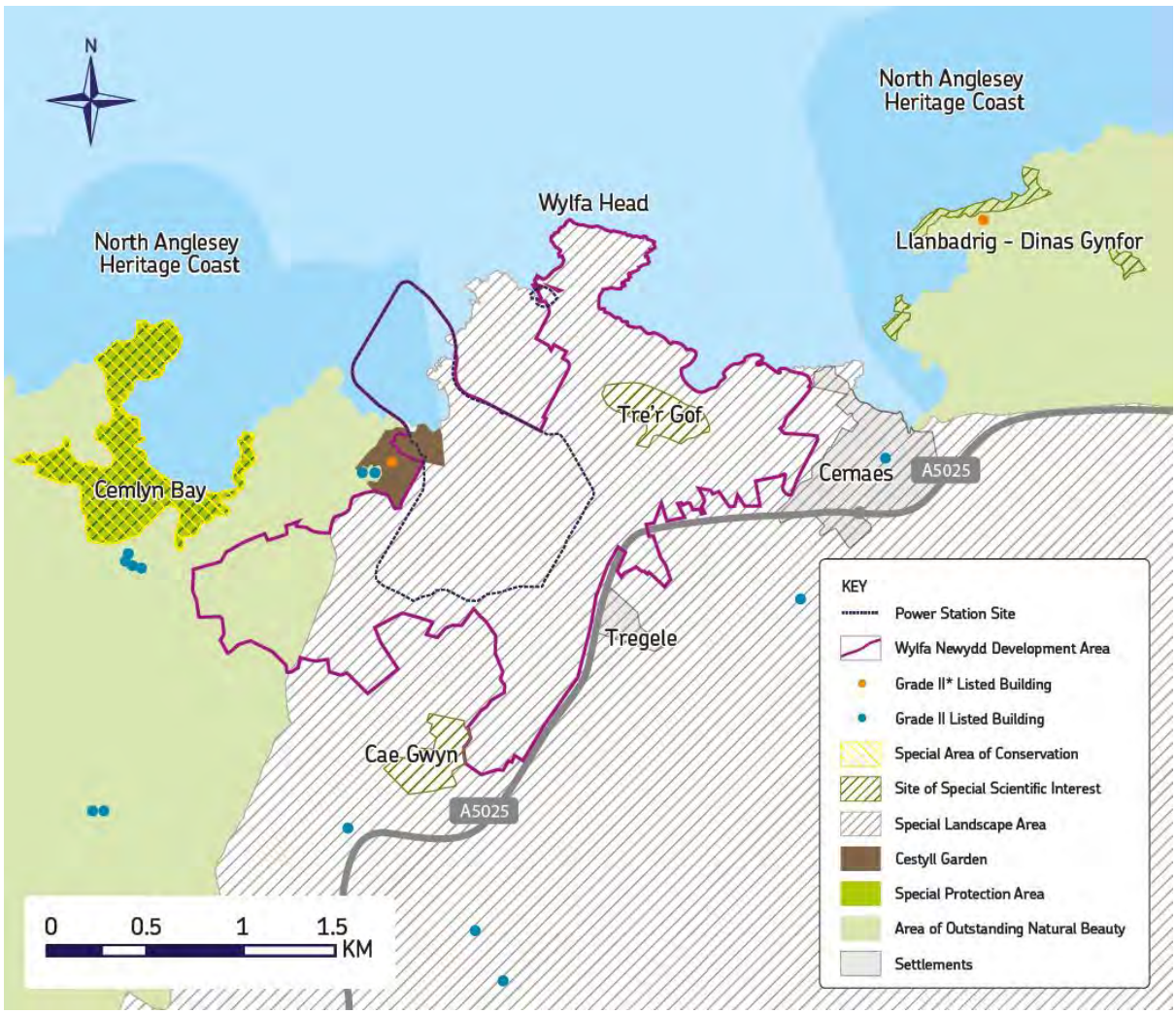
3.5 Much of the land east and west of the Wylfa peninsula is designated as an Area of Outstanding Natural Beauty (AONB), and includes coastline that is also designated as part of the North Anglesey Heritage Coast. A small section of the Wylfa Newydd Development Area to the south-west of the Existing Power Station is within the AONB. The Wylfa Newydd Development Area also lies within the locally designated Anglesey Special Landscape Area. These designations are shown on Figure 3.2.

3.6 Away from the coast, the land within the Wylfa Newydd Development Area generally comprises rough grazing with exposed rock and gorse thickets. The landscape is characterised by small rounded hills known as drumlins. The existing topography within the Wylfa Newydd Development Area, which includes drumlins that rise to approximately 40m above ordnance datum, is shown in Figure 3.3.

3.7 Land within and surrounding the Wylfa Newydd Development Area is predominantly in agricultural use, for grazing by sheep or cattle, contained by hedgerows and crossed by a network of roads, rural lanes, watercourses and overhead electricity infrastructure. Soils are generally of low fertility with the majority falling within agricultural land classification grade 3b or below. The Existing Power Station forms a significant element in the landscape, as can be seen in Figure 3.1. Much of the landscaping for the Existing Power Station, which was designed by Dame Sylvia Crowe, falls within the Wylfa Newydd Development Area. Notable elements comprise two substantial man-made drumlins and extensive, largely coniferous tree planting, extending around the southern and eastern sides of the Existing Power Station.

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Figure 3.2 Local Environment – Key Designations

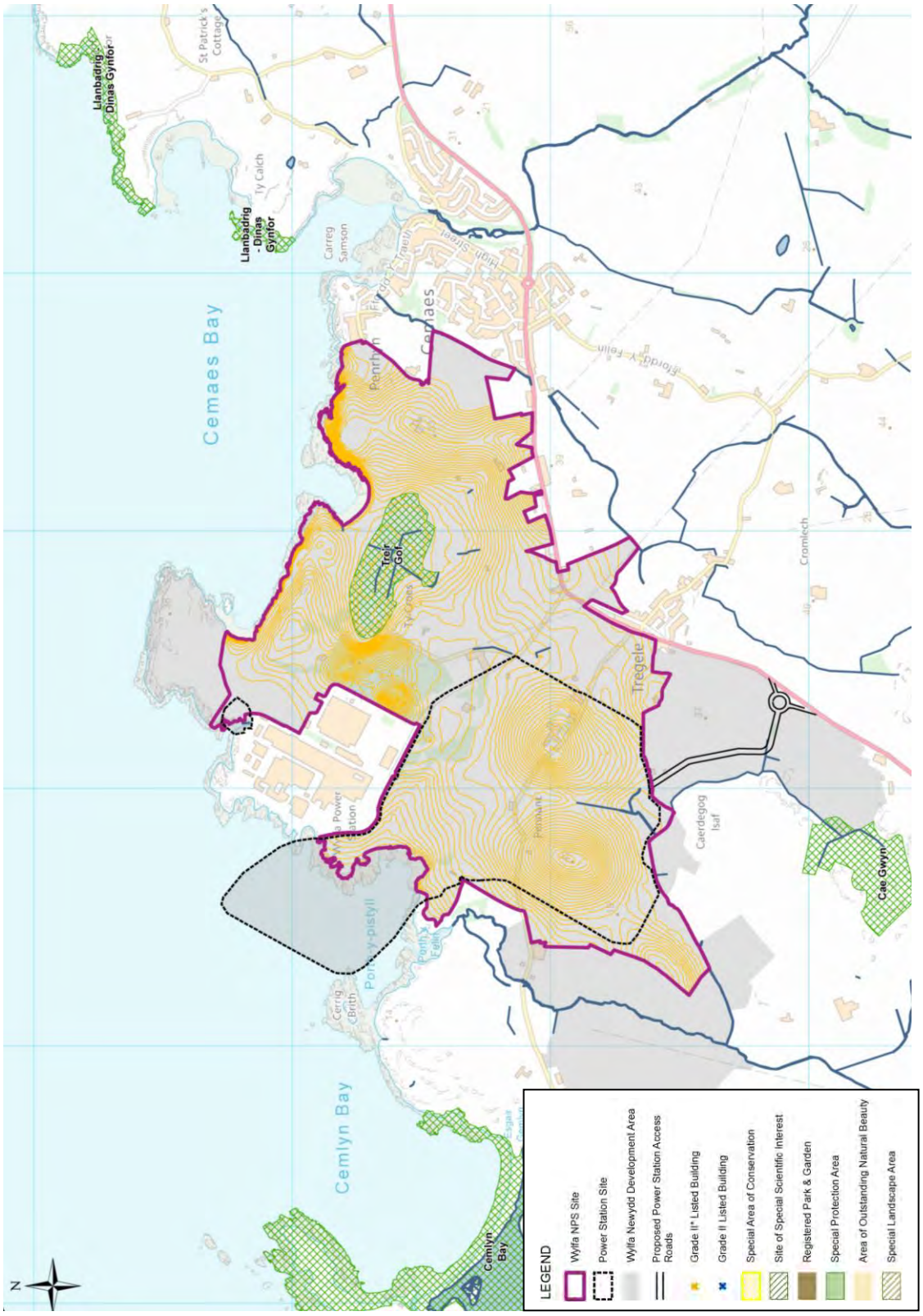


3.8 The access road to the Existing Power Station also provides access to the existing visitor centre and associated car park, outdoor cafe and picnic/play area. There are some playing fields to the south of the Existing Power Station, within the Wylfa Newydd Development Area.

3.9 There are a number of watercourses and water features that cross the Wylfa Newydd Development Area (see Figure 3.3). These do not present a significant risk of fluvial flooding and the overall risk of flooding from all sources is considered to be low.

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Figure 3.3 Local Environment – Topography and Surface Water Features



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Heritage Assets

3.10 Historic designations adjacent to or in the vicinity of the Wylfa Newydd Development Area are shown on Figure 3.2. They include Cestyll Garden, recorded as Grade II on the Cadw Register of Parks and Garden of Special Historic Interest in Wales, as well as a number of Listed Buildings, including three which lie near to the Wylfa Newydd Development Area and to the west of Cestyll Garden.

3.11 A number of Scheduled Monuments[3] lie within 2km of the Wylfa Newydd Development Area, including standing stones to the north-west of Llanfechell.

Ecological Designations

3.12 Sites subject to ecological conservation designations (both statutory and non-statutory) of international, national and local importance are shown on Figure 3.2. The most notable of these include the Tre'r Gof and Cae Gwyn Sites of Special Scientific Interest (SSSIs) within and adjacent to the Wylfa Newydd Development Area respectively; and to the west of the Wylfa Newydd Development Area, Cemlyn Bay forms part of the Ynys Feurig, Cemlyn Bay and The Skerries Special Protection Area (SPA) and the Cemlyn Bay Special Area of Conservation (SAC).

Transport and Movement

3.13 The main vehicular route to and from the Wylfa Newydd Development Area is the A5025, which connects to Valley (located on the A5) and the A55, approximately 18km to the south. To the east, the A5025 connects the Wylfa Newydd Development Area to Cemaes and a number of other settlements on the northern and eastern coast of Anglesey. In both directions this route is predominantly rural in nature, but also passes through a number of settlements.

3.14 The principal railway line to Anglesey is the North Wales coast line, which links the stations on the west side of the island between Holyhead and the mainland to Chester and London. The nearest railhead to the Wylfa Newydd Development Area for passengers and freight is at Valley.

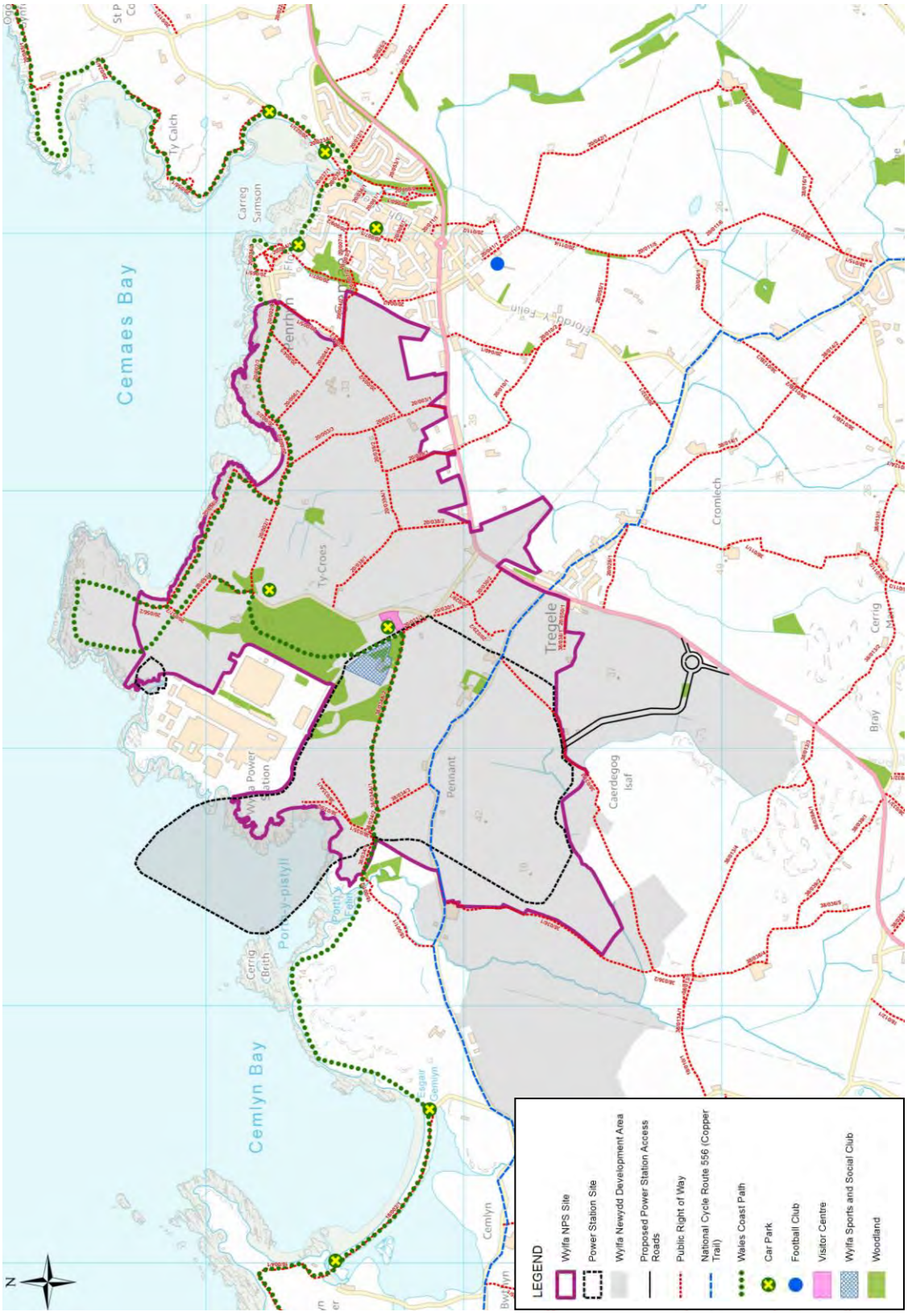
3.15 The principal port on Anglesey is Holyhead, which handles large volumes of freight and passenger traffic. The closest airport is at Valley (Anglesey Airport), which is used by a small number of scheduled and charter flights.

3.16 A number of public rights of way, including the Wales Coast Path and the Copper Trail (national cycle route), also cross the Wylfa Newydd Development Area. These are shown in Figure 3.4.

[3] Scheduled Monuments are protected by law under the Ancient Monuments and Archaeological Areas 1979 and are, by definition, of national importance.

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Figure 3.4 Local Environment – Public Rights of Way, Cycle Routes and Land Use



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4 Consultation Context

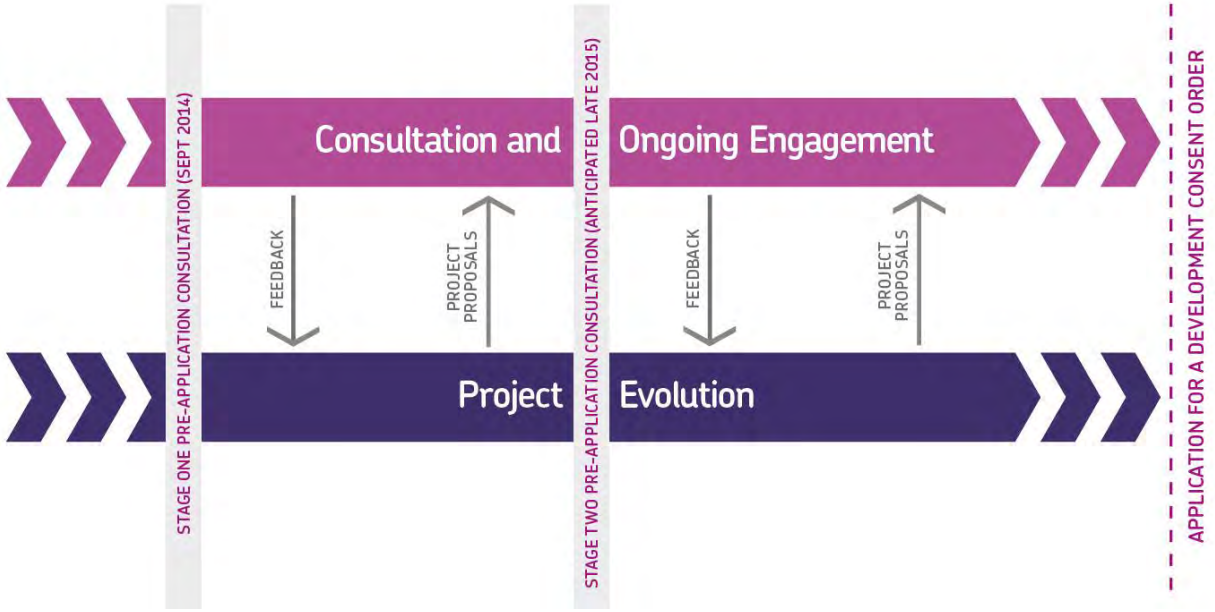
4.1 This Chapter sets out Horizon's key aims for this Stage One pre-application consultation process and the ongoing process of engagement with statutory consultees and the local community. It also establishes the statutory context in which the pre-application consultation process is taking place.

The Consultation Process

4.2 The Stage One pre-application consultation materials have been prepared in accordance with statutory requirements and DCLG[4] Guidance on pre-application consultation and build on Horizon's engagement activities to date. The aim is to provide clear information to allow the development of an open and ongoing dialogue with Horizon's key stakeholders and the community. This dialogue will ensure that the Wylfa Newydd Project is developed in a way which seeks to meet the aspirations and objectives of consultees.

4.3 The Stage One pre-application consultation is being undertaken at an early stage, where there is a greater opportunity for consultees to influence the Wylfa Newydd Project, shown in Figure 4.1.

Figure 4.1 Influencing the Project through Consultation Feedback



[4] The Government Department of Communities and Local Government, with responsibility for (among other things) developing planning policy and planning legislation.

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4.4 Horizon recognises that different stakeholders will wish to express views and that their interests and remits will vary. The responses received will be used in conjunction with Horizon's ongoing consultation and engagement activities to help Horizon develop the Wylfa Newydd Project.

Pre-Application Consultation

4.5 The Power Station is an NSIP for the purposes of the Planning Act 2008 and, as such, is permitted by the grant of a development consent order by the Secretary of State.

4.6 An application for a development consent order is formally made to the Secretary of State, but the acceptance of the application is handled by the Planning Inspectorate on the Secretary of State's behalf. The Planning Inspectorate examines the application before making a recommendation to the Secretary of State, who then determines the application.[5] The Planning Inspectorate, in examining an application for a development consent order, will also take into account a report prepared by the local planning authority relating to local impacts (the Local Impact Report),[6] which sets out their views on the likely effect of the development on the local area and community.[7]

4.7 Pre-application consultation is a statutory requirement undertaken by a developer before making an application for a development consent order. There are two types of pre-application consultation, broadly comprising:

- Consultation with certain statutory consultees, which includes local authorities and other prescribed consultees and persons with an interest in land under section 42 of the Planning Act 2008; and
- Consultation with the local community living in the vicinity of the proposed development under section 47 of the Planning Act 2008. Horizon's approach to consultation with the local community is set out in the Statement of Community Consultation for this Project.[8]

[5] Further information about the Planning Inspectorate and its processes, including related legislation, guidance and advice is available to download at http://www.planningportal.gov.uk/infrastructure [Accessed: 10.09.2014].

[6] A written report prepared by the relevant local planning authority giving details of the likely impact of a proposed NSIP development on the local authority's administrative area under the Planning Act 2008.

[7] Further information about the process undertaken by the Planning Inspectorate with regard to Local Impact Reports is available to download at http://infrastructure.planningportal.gov.uk/wp-content/uploads/2013/04/Advice-note-1v2.pdf [Accessed: 10.09.2014].

[8] Horizon's Statement of Community Consultation was published in advance of this Stage One pre-application consultation and can be obtained from Horizon's website – www.horizonnuclearpower.com [Accessed: 10.09.2014].

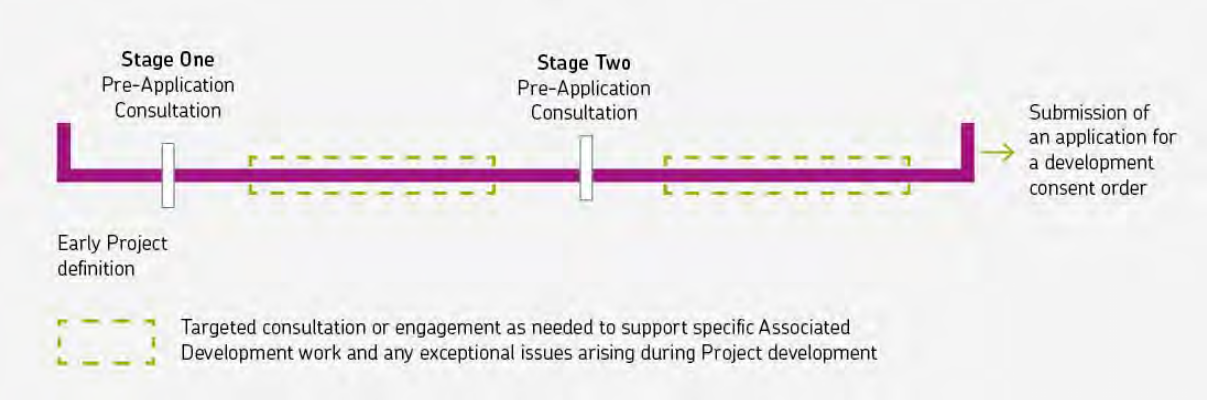
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4.8 While Horizon has identified the relevant local authorities and other prescribed public-body consultees, due to the evolving nature of the Wylfa Newydd Project, it is not able to identify at this stage all of the land required for the Wylfa Newydd Project and so it cannot identify all persons with an interest in land. As such, this Stage One pre-application consultation is a statutory consultation under section 47; the formal statutory consultation under section 42 will occur at the Stage Two pre-application consultation, once the land required for the Wylfa Newydd Project is more settled. However, this Stage One pre-application consultation does include all persons with an interest in land known at this point, as well as all other prescribed statutory consultees.

Staged Consultation

4.9 There will be two main stages of pre-application consultation to support the application for a development consent order. These formal consultation stages will build on and be informed by Horizon's stakeholder engagement activities to date, as illustrated in Figure 4.2 and outlined in further detail later in this Chapter.

Figure 4.2 Stages of Consultation and Engagement



4.10 In addition, Horizon may undertake targeted consultation and engagement events on specific issues or with specific groups, where appropriate. Feedback from targeted consultation and engagement events will help Horizon to further develop Wylfa Newydd Project proposals and understand the views of particular groups.

4.11 Horizon will produce an interim consultation report that will accompany the Stage Two pre-application consultation, outlining relevant responses received and how they have been taken into account. Feedback may also support the process of EIA ahead of the Stage Two pre-application consultation.

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4.12 The Stage Two pre-application consultation will be on more detailed proposals, which will be developed taking into account the feedback received from the Stage One pre-application consultation and any other targeted consultation and engagement. Further development of the Wylfa Newydd Project proposals will also take into account the progression of engineering design as well as the results of studies and other works undertaken. Horizon's Stage Two pre-application consultation is envisaged to be towards the end of 2015.

Responding to this Consultation

4.13 The Stage One pre-application consultation materials aim to build on Horizon's engagement activities to date and to provide robust information that will enable a meaningful, inclusive and clear dialogue on the Wylfa Newydd Project. This includes consideration of how Horizon's requirements for the Wylfa Newydd Project can best be balanced with the objectives and aspirations of stakeholders and consultees. Horizon's intention is that this consultation offers a mechanism for effective engagement to allow views to be understood. From this, the potential benefits of the Wylfa Newydd Project can be realised and measures can be identified to ensure that disruption to communities and the environment that may arise from the Project can be suitably mitigated.

Influencing the Project

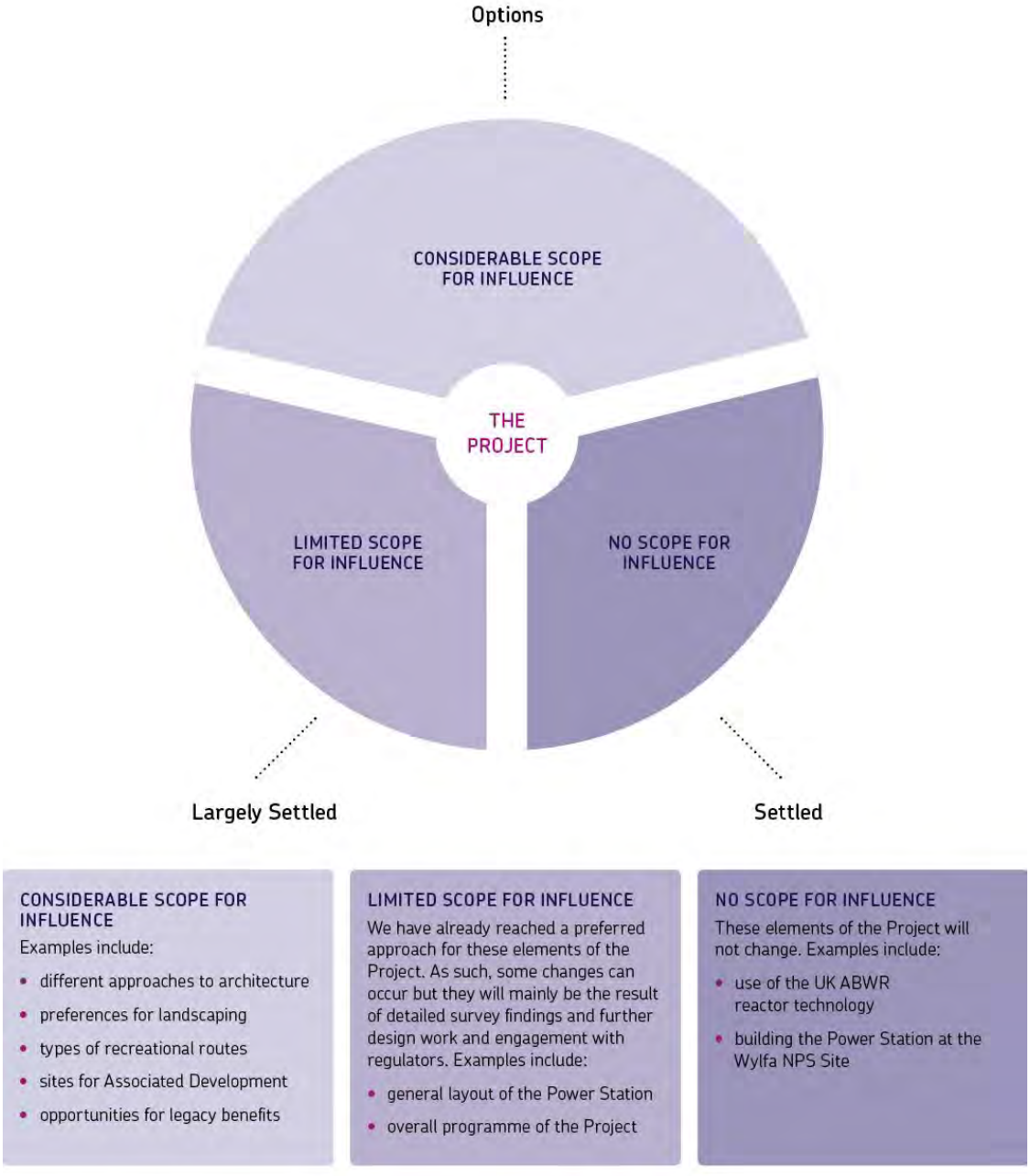
4.14 Some decisions on the Wylfa Newydd Project have already been made and Horizon has developed certain elements of the Project to a preferred position; however, other elements are still at the options stage. This variation in the progression of different elements of the Wylfa Newydd Project affects the degree to which consultation responses may influence development of the Project following Stage One pre-application consultation, as shown in Figure 4.3.

4.15 Horizon welcomes participation in this consultation. This is a key opportunity to help influence the Wylfa Newydd Project. Horizon is most interested to hear consultee views on the options and draft principles presented because these are the areas where there is the greatest scope to influence Horizon's Project proposals. However, consultees are welcome to make comments in relation to matters that are largely settled. The status of the various elements of the Wylfa Newydd Project as options, largely settled or settled, is identified in the relevant component descriptions, in Chapters 6, 8, 9, 10 and 11 of this Document. This consultation is intended to ensure that the local community, key stakeholders and statutory consultees have a chance to influence the Wylfa Newydd Project proposals.

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4.16 In providing consultation responses, it will be particularly useful for Horizon to understand the reasons for any preferences you may have and comments about particular strengths or areas of the proposals that you consider need further development.

Figure 4.3 Scope for Influencing the Project



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4.17 Horizon recognises that there will be mixed opinions about nuclear power generation. The Department of Energy and Climate Change (DECC)[9] has already consulted on the principle of nuclear power generation in the UK and issued a National Policy Statement for Nuclear Power Generation (NPS EN-6) identifying a site at Wylfa (as shown in Figure 3.1 and referred to as the Wylfa NPS Site in this Document) as one of a small number of sites in the UK that the UK Government considers to be potentially suitable for the deployment of a new nuclear power station. As such, the principle of nuclear power generation at the Wylfa NPS Site is settled.

Question 2

Do you have any comments about the way in which the consultation is being carried out?

[9] The Government department with responsibility for (among other things) energy and climate change issues, including the security of the UK's energy supplies.

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Environmental Impact Assessment

4.18 The size and nature of the Power Station is such that it is classified as an EIA development under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 (Infrastructure EIA Regulations). EIA is a process carried out under the Infrastructure EIA Regulations to enable decision makers to understand the likely significant effects of an NSIP. The Associated Development will similarly be subject to EIA processes and scoping under the Environmental Impact Assessment (England and Wales) Regulations 2009. The output of both types of EIA processes would be reported in documents known as Environmental Statements. The Environmental Statement for the Wylfa Newydd Project will accompany the application for a development consent order.

4.19 The pre-application consultation requirements under the Infrastructure EIA Regulations only apply to the application for a development consent order. They do not apply to planning applications for Associated Development for which the need for an Environmental Statement would be assessed under the Environmental Impact Assessment (England and Wales) Regulations 2009. However, Preliminary Environmental Information on the Associated Development, where possible at this stage, has been included within the PEI Report.

4.20 The Infrastructure EIA Regulations also require an applicant for EIA development to consult on Preliminary Environmental Information. This is, in broad terms, the environmental information that is currently available at the particular stage that a project has reached. Applicants for a development consent order usually produce the Preliminary Environmental Information in a report known as a PEI Report. Consultation on the PEI Report is usually undertaken in conjunction with the section 42 and section 47 pre-application consultation as it informs consultees on the likely environmental effects of a proposed NSIP development.

4.21 The information presented in Horizon's Stage One pre-application consultation PEI Report has been gathered through a combination of desk-based reviews of publicly available information and survey work commissioned by Horizon. The PEI Report presents information on alternatives, the setting of the Wylfa Newydd Development Area and key environmental topics that are to be addressed through the formal EIA process, which are as follows:

- Socio-economics;
- Public access and recreation;
- Traffic and transport;
- Noise and vibration;
- Air quality;

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- Radiological effects;
- Soils and geology;
- Surface water and groundwater;
- Flood risk;
- Terrestrial and freshwater ecology;
- Coastal hydrodynamics and geomorphology;
- The marine environment;
- Landscape and visual; and
- Archaeology and cultural heritage.

4.22 Each environmental topic chapter (Chapters 7 to 20) of the PEI Report includes two summary tables, the first relating to potential construction impacts and the second relating to potential operational impacts of the proposed activities within the Wylfa Newydd Development Area. The tables also summarise potential mitigation and enhancement measures based on the current understanding of the potential impacts. Chapter 21 provides similar information relating to the potential construction and operational impacts of the A5025 highway improvements and outlines the way in which other Associated Development will be addressed in the EIA process. Consultees can refer to Chapter 7 of this Document for an indication of the key activities likely to be associated with each stage of the Wylfa Newydd Project.

Comments on the PEI Report are welcomed and might include references to the environmental topics considered, the methodologies and approach used, baseline data collected and the overall information provided.

4.23 Where appropriate, Habitat Regulations Assessments (HRA)[10] will also be undertaken in parallel with the EIA processes to assess the potential for adverse effects on the conservation objectives of existing or proposed European Designated Sites[11] resulting from the Wylfa Newydd Project. Chapter 4 of the PEI Report provides information about Horizon's proposed approach to undertaking HRA.

[10] A requirement of the Habitats Directive - European Council Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora and its implementing regulations in England and Wales; the Conservation of Habitats and Species Regulations 2010, as amended.

[11] European Designated Sites refers to the following sites which are designated and therefore given special protection under the Habitats Directive and the Birds Directive: Special Areas of Conservation (SACs), Special Protection Areas (SPAs), Sites of Community Importance (SCIs), candidate SACs, potential SPAs; as well as internationally important and designated wetland sites known as Ramsar sites and identified under the Ramsar Convention.

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4.24 The level of Preliminary Environmental Information available will continue to increase as the Wylfa Newydd Project develops and the PEI Report prepared to support the Stage Two pre-application consultation will therefore be more comprehensive than that available now at Stage One.

Question 3

Do you have any comments relating to the Preliminary Environmental Information Report presented by Horizon?

4.25 Comments received through this Stage One pre-application consultation that relate to environmental, social and economic matters will be considered in the EIA process, as appropriate. Horizon will include an indication of how comments have influenced the design of any mitigation measures in the Environmental Statement and Consultation Report[12] that will accompany the application for a development consent order.

[12] A Consultation Report must be submitted at the same time as an application for a development consent order, pursuant to section 37 of the Planning Act 2008.

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Consultation on other Planning and Related Consents

4.26 Horizon currently anticipates the need to obtain planning permission for a number of discrete elements of the Wylfa Newydd Project, termed Associated Development, that include (but may not be limited to):

- Highways improvements (see Road Transport Proposals section in Chapter 10);
- Park and Ride facilities for construction workers (see Road Transport Proposals and Site Identification sections in Chapter 10);
- At least one Logistics Centre (see Road Transport Proposals and Site Identification sections in Chapter 10); and
- Off-Site Temporary Worker Accommodation facilities (see Worker Accommodation Strategy and Site Identification sections in Chapter 10).

4.27 The pre-application consultation requirements under the Planning Act 2008 only apply to the application for a development consent order for the NSIP and not to the other planning consents that Horizon will need to obtain.

4.28 However, for the purposes of this Stage One pre-application consultation, Horizon has included details about all elements of the Wylfa Newydd Project, whether or not they fall within the Planning Act 2008 requirements for consultation. Consultees are therefore encouraged to share their views about all parts of the Wylfa Newydd Project. To that end, Horizon does not make further distinctions in this Document between those parts of the Wylfa Newydd Project that will form part of the application for a development consent order and those that do not.

4.29 Other key licences and permissions that will be required include marine licences, the Nuclear Site Licence and environmental permits. These are explained further in Chapter 5, although they do not form part of this Stage One pre-application consultation.

4.30 Further consents, permits and licences would also be required at various points prior to and during the Main Construction stage and for subsequent Full Operation and Decommissioning of the Power Station and will be consulted on appropriately at the relevant stage. Additionally, National Grid will be responsible for obtaining the relevant regulatory approvals and consent for the works necessary to connect the Power Station to the national grid electricity transmission network (see Appendix B) and will be undertaking its own consultation on those works.

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Ongoing Engagement

4.31 For several years, Horizon has been engaging with key statutory bodies (including those with regulatory functions), as well as with the local community to raise awareness of the Wylfa Newydd Project and to keep residents across Anglesey and beyond informed of its plans. This engagement is illustrated in Figure 1.1 and Figure 4.1 and it will continue throughout the development process and into construction and operation of the Wylfa Newydd Project.

Engagement with Statutory and Technical Consultees

4.32 Horizon has been working closely with the IACC (as the local authority within whose jurisdiction the Wylfa Newydd Project is situated) and has entered into a planning performance agreement with IACC to manage Horizon's and IACC's interactions in relation to the Wylfa Newydd Project.

4.33 Horizon has also established a working relationship with other key statutory bodies and local authorities. A statutory working group has been formed to ensure proactive coordination and interaction between key statutory bodies in relation to all the consents and permissions that will be required for the Wylfa Newydd Project.

4.34 Other working groups have been established to consider particular aspects of the Wylfa Newydd Project, including the Wylfa Language Impact Assessment and the Wylfa Health Impact Assessment Steering Groups.

4.35 There have also been several meetings with individual statutory and technical consultees in relation to their specific remits and their inputs have been used to help Horizon to shape the Wylfa Newydd Project to date.

Engagement with Local Communities

4.36 In addition to the statutory consultation processes, Horizon will continue to meet stakeholders and communities. This is likely to involve continuation of the drop-in surgeries, exhibitions and newsletters. A Project Liaison Group was established in 2010 and has elected its own independent chair. Representatives of over 100 groups and organisations are invited to attend Project Liaison Group meetings. The Project Liaison Group has its own website at www.wylfaplg.com, which includes minutes of meetings, all of which are publicly available.

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5 Background Context for the Development

5.1 This Chapter describes the need for new nuclear generation in the UK and the national and local policy context. It also outlines the key regulatory considerations for the development of new nuclear power stations in the UK.

5.2 For the purposes of the Planning Act 2008, the Secretary of State has set out relevant national planning policy in relation to the UK in a series of National Policy Statements (NPSs). These NPSs are important because the Secretary of State must decide that an application for a development consent order is in accordance with any relevant NPS (except in certain limited circumstances).

5.3 The most relevant NPSs for the Wylfa Newydd Project are NPS EN-1 (the Overarching NPS for Energy) and NPS EN-6 (for Nuclear Power Generation). These form the primary policy context for a decision on Horizon's application for a development consent order[13] for the Power Station. NPS EN-5 (for Electricity Networks) will be particularly relevant for National Grid's application to connect the Power Station to the national grid electricity transmission network.

[13] Paragraph 1.2.1, NPS EN-6.

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Need for New, Low-Carbon Electricity

5.4 NPS EN-1 details the challenges facing the UK energy sector in relation to energy security and the Government's carbon reduction objectives.[14]

5.5 A key issue identified in NPS EN-1 is the anticipated closure of existing generation capacity on environmental grounds and as a result of ageing power stations. NPS EN-1 states that at least 22 gigawatts (about a quarter) of existing electricity generating capacity will need to be replaced in the coming years.[15] This makes the need for investment in new generating capacity urgent.[16]

5.6 NPS EN-1 identifies that the UK needs secure, diverse and reliable supplies of electricity in the context of the need to reduce its greenhouse gas emissions by at least 80% by 2050 (under the Climate Change Act 2008). This means that much of the new electricity generating capacity within the UK must be low-carbon. Consequently, substantial investments in new, low-carbon generating technologies will be required.

5.7 The National Infrastructure Plan 2013 confirms the Government's commitment to large scale investment in gas and low carbon generation technologies, and recognises that such projects are essential to meeting the UK's legally binding emissions reduction target.[17] New nuclear power is recognised as replacement generation for legacy coal, gas and nuclear power stations as those come off line[18]. The National Infrastructure Plan 2013 states that "*Nuclear is vital for our energy security now and the Government wants it to be part of the energy mix in the future alongside renewables and clean coal and gas*".[19]

5.8 NPS EN-6[20] states that the decision-maker should *"assess applications for new nuclear power stations on the basis that the need for such infrastructure has been demonstrated"*. For these reasons, consultation on the Wylfa Newydd Project proceeds on the basis that the need for the Wylfa Newydd Project is settled.

[14] Paragraphs 3.3.2 – 3.3.34, NPS EN-1.
[15] Paragraph 3.3.7, NPS EN-1.
[16] Paragraph 3.3.15, NPS EN-1.
[17] As set out in paragraph (5.6 above). See also paragraph 1.36, National Infrastructure Plan 2013.
[18] Paragraph 1.40, National Infrastructure Plan 2013.
[19] Page 54, National Infrastructure Plan 2013.
[20] Paragraph 2.2.1, NPS EN-6.

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New nuclear at Wylfa Newydd

5.9 NPS EN-6 identifies the Wylfa NPS Site as a location that is potentially suitable for the deployment of a new nuclear power station. This was the result of a comprehensive Strategic Siting Assessment undertaken by DECC to assess the suitability of the Wylfa NPS Site (and other sites) for a nuclear power station development.

5.10 The Strategic Siting Assessment process assumed that the key operational elements of the Power Station would be located within the Wylfa NPS Site. NPS EN-6 states that this would include the "*infrastructure that has the potential to directly cause a radiological hazard*" but recognises that further land, additional to the boundary of the listed site, may be needed for other elements of the Power Station such as car parks, access roads or marine landing facilities, or for the construction and/or decommissioning of the nuclear power station and that flexibility is required to accommodate detailed local-level considerations.[21]

5.11 The preferred location of the Power Station has been proposed taking the policy within NPS EN-6 into consideration and Horizon has sought to identify an area of land that will allow for the significant majority of the Power Station to be sited within the Wylfa NPS Site. However, it should be noted that part of the CWS infrastructure is likely to fall outside the Wylfa NPS Site. Further details on the considerations that have influenced where these parts of the Power Station would be positioned are presented later within this Document and in Chapter 5 of the PEI Report. Notwithstanding this, the final boundary of the Power Station Site will remain under review as the Wylfa Newydd Project develops. It is anticipated that additional understanding of the environmental characteristics of the Power Station Site and its environs and further site investigations, discussions with regulators and development of the Project proposals will be particularly important in defining the final boundary.

5.12 Wylfa is identified within the National Infrastructure Plan 2013 as a 'Top 40 priority infrastructure investments: energy'.[22] Each of the priority investments has been selected because it makes a crucial contribution to the achievement of the government's strategic objectives for that sector.[23] Horizon's Project at Wylfa is recognised as one of the two most advanced nuclear projects in the UK, which therefore has the ability to 'set the path' for other projects in the Government's civil nuclear strategy.[24]

[21] Paragraph 2.3.5.
[22] Table 5.D, page 80, National Infrastructure Plan 2013.
[23] Paragraph 5.17, National Infrastructure Plan 2013.
[24] Page 54, National Infrastructure Plan 2013.

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5.13 Essentially, NPS EN-1 and NPS EN-6 conclude that the urgent need for new nuclear power generation has already been settled and that the Wylfa NPS Site is potentially suitable as a location for a new nuclear power station.

5.14 In terms of meeting the need set out in NPS EN-1 and NPS EN-6, the Power Station at Wylfa will include two UK ABWR nuclear reactors, which are expected to generate at least 2,700 MW of electricity. This is more than 12% of the total 22 gigawatts identified in NPS EN-1 as required to replace existing generation capacity from a variety of energy sources.

5.15 Horizon has undertaken a thorough evaluation to ascertain the appropriate generating capacity for the Power Station at Wylfa. The magnitude of fixed costs associated with construction of even a single generating unit, along with the related infrastructure, is very considerable and therefore economies of scale promote a business case for multiple reactors, provided the site and supporting infrastructure can support this.

5.16 Horizon has concluded that two nuclear reactors with a total generating capacity of at least 2,700 MW is appropriate for the Power Station at Wylfa, following detailed evaluations of the available land at the Wylfa NPS Site, the national grid electricity transmission network connection capacity and nuclear power generating technology to be used.

5.17 Horizon's anticipated timeframes for the Wylfa Newydd Project are set out in Chapter 7 with the expectation that the Power Station will be commissioned and generating first power in the first half of the 2020s.

Welsh Energy Policy

5.18 In March 2012, the Welsh Government published its Energy Policy Statement[25] (Welsh Energy Policy), which focuses on moving Wales to a low carbon economy in a way that maximises long-term economic benefits. The Welsh Energy Policy emphasises the need to make this transition in a way that ensures the people and communities of Wales derive direct benefits, including job creation.

5.19 The Welsh Energy Policy confirms the Welsh Government's support for the Project and recognises it as a vital part of Wales' energy future and a development that offers significant long term economic benefits to Anglesey and North Wales.[26]

[25] Energy Wales: A Low Carbon Transition (March 2012).
[26] Welsh Energy Policy page 21.

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Local Strategies, Planning Policies and Programmes

5.20 Local strategies and planning policies are relevant to the Wylfa Newydd Project. In particular, those that form the Development Plan for Anglesey, which comprises the Gwynedd Structure Plan (1993) and Ynys Môn Local Plan (1996), will be used by IACC to assess the planning applications for the majority of the Associated Development required to facilitate the Power Station.

5.21 The Development Plan for Anglesey is now largely out of date, and IACC would therefore also take into account NPS EN-1 and NPS EN-6, Planning Policy Wales, the Stopped Anglesey Unitary Development Plan (2005), IACC Interim Planning Policy, emerging Anglesey and Gwynedd Joint Local Development Plan (JLDP) and IACC's New Nuclear Build at Wylfa: Supplementary Planning Guidance (July 2014) (Wylfa SPG) documents as material considerations.

5.22 The Wylfa SPG is the most up to date policy document issued by IACC in respect of the Wylfa Newydd Project and is representative of IACC's current thinking and aspirations for Horizon's Project proposals. The purpose of the Wylfa SPG is to provide supplementary advice on important local direct or indirect matters and it sets out IACC's response to national and local policy and strategies in the context of the Wylfa Newydd Project. Although the SPG is not supplemental to the JLDP, it does seek to be consistent with the direction of travel set out in the emerging JLDP.

5.23 The Wylfa SPG has been developed to ensure IACC is able to respond to a number of proposed energy and other projects on Anglesey and states that the Wylfa Newydd Project, *"along with other major developments proposed on Anglesey, present a once in a lifetime opportunity to transform the economy and communities of the Island"*. It states that IACC recognises the important contribution new nuclear power can make to the UK's energy mix and security of electricity supply and supports the principle of development of a new nuclear power station at Wylfa. The Wylfa SPG also notes that the key strategic importance of Horizon's Project is fully recognised in IACC's Anglesey Energy Island Programme and the Welsh Government's Anglesey Enterprise Zone,[27] stating that together they *"aim to create a geographical hub of excellence for the development, implementation and servicing of low carbon energy initiatives"*.[28]

[27] Enterprise Zones are designated by the Welsh Government to support business infrastructure, focusing on specific sectors. The Anglesey Enterprise Zone targets the energy sector.

[28] Wylfa SPG, paragraph 1.1.4.

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5.24 The Wylfa SPG establishes IACC's Vision for Horizon's Project proposals:[29]

"The New Nuclear Build at Wylfa is a positive driver for the transformation of the economy and communities on Anglesey, providing sustainable employment opportunities, improving the quality of life for existing and future generations and enhancing local identity and distinctiveness."

The Anglesey Energy Island Programme

5.25 IACC's forward-looking Anglesey Energy Island Programme[30] (launched in June 2010) is *"a collective effort between several stakeholders within the public and private sector working in partnership"* to catalyse employment, growth and development opportunities in the energy sector. Members include energy stakeholders such as Horizon, Magnox Limited, National Grid, local planning authorities, representatives of the Welsh Government and other public bodies.

5.26 Horizon supports IACC's local development aspirations and considers that the Wylfa Newydd Project will create a large number of permanent and temporary employment opportunities, as well as providing sustainable economic growth within Anglesey.

Marine Policy

5.27 Consents for works or structures in the marine environment will be assessed in accordance with the UK Marine Policy Statement,[31] Marine and Coastal Access Act 2009 and any relevant marine plans and policies. Further information on marine consents will be provided as part of the Stage Two pre-application consultation.

Forthcoming Strategies and Policy

5.28 Both the Welsh Government and IACC are currently consulting on and preparing amendments to other planning policy documents; Horizon will continue to review the Wylfa Newydd Project against emerging planning strategies and planning policy, including at the Stage Two pre-application consultation.

[29] Wylfa SPG, paragraph 3.1.3.
[30] https://www.anglesey.gov.uk/business/energy-island/ [Accessed: 10.09.2014].
[31] The document which establishes a framework for preparing Marine Plans and taking decisions affecting the marine environment, prepared under section 44 of the Marine and Coastal Access Act 2009.

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Regulatory Considerations for Nuclear Power Station Development

5.29 The UK has a well established regulatory regime that governs the UK nuclear industry to ensure high levels of safety, security and environmental protection. This section provides an overview of key nuclear regulatory requirements that will need to be satisfied before the Power Station can be built and will continue to apply throughout the lifetime of the Power Station.

5.30 NPS EN-6 establishes that the Planning Inspectorate and Secretary of State should act on the basis that the relevant nuclear licensing and permitting regimes will be properly applied and enforced and they should not duplicate the consideration of matters that are in the remit of the relevant regulators.

5.31 These regulatory processes, along with Horizon's ongoing technical investigations, could result in design changes that could affect aspects such as the layout of the Power Station. More detailed design proposals will be available during the Stage Two pre-application consultation process; any regulatory-required changes identified before that time will be incorporated at that time.

Generic Processes

5.32 The UK ABWR nuclear reactor technology is currently going through the initial generic regulatory assessment processes required for new nuclear development, which are Regulatory Justification and Generic Design Assessment. Successful completion of these initial generic stages will enable the granting of a site-specific Nuclear Site Licence and environmental permits.

Regulatory Justification

5.33 The justification process requires that before any new 'type' of practice involving ionising radiation (such as a new type of nuclear power station) can be commenced in the UK, the Secretary of State must conclude that the economic, social or other benefits resulting from the practice outweigh the potential radiological health detriments. The Nuclear Industry Association submitted an application for the justification of the UK ABWR in December 2013, which the Secretary of State will determine, following public consultation (some of which is on-going).

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Generic Design Assessment

5.34 Generic Design Assessment is the process being used by the nuclear regulators (the Office for Nuclear Regulation and the Environment Agency) to assess the safety, security and environmental implications of new nuclear reactor designs, separately from applications to build them at specific sites. Both of these nuclear regulators will issue reports on their findings at the end of the assessment indicating whether they consider the UK ABWR reactor design to be acceptable.

5.35 The Welsh environmental regulator, Natural Resources Wales, will use information from the Generic Design Assessment in assessing the environmental permit applications for the Power Station.

Site Specific Processes

Safety and Environmental Protection

5.36 A Nuclear Site Licence will be required for the Power Station and will authorise all activities that can affect the safety of a licensed site at all stages: from design, construction, installation, commissioning, operation, maintenance, modifications and decommissioning of each generating unit plus the equipment, waste and fuel stores required to support them. The Nuclear Site Licence will contain a series of licence conditions, with which an operator must comply, as the primary means of ensuring nuclear safety. The Office for Nuclear Regulation is the regulator for nuclear safety.

5.37 Environmental permits will be required under the Environmental Permitting (England and Wales) Regulations 2010 covering water discharges, combustion activities and the management of radioactive waste and both non-radioactive and radioactive emissions to the sea and to the atmosphere. Each environmental permit will contain a series of conditions, with which an operator must comply, as the primary means of environmental protection. In Wales, Natural Resource Wales is the regulator for this environmental permitting regime.

5.38 All safety systems would be designed in such a way as to account for conceivable internal and external hazards, such as seismic events (e.g. earthquakes), flooding, explosion pressure waves, electromagnetic interference, tsunami and aeroplane crash.

5.39 All of these site-specific permissions require demonstration that the operator organisation is capable of controlling the activities authorised, and that safety and environmental risks are acceptably low.

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Site Security

5.40 Horizon attaches great importance to site security and its arrangements will need to be approved and monitored by the civil nuclear security programme of the Office for Nuclear Regulation. Under the Nuclear Industries Security Regulations 2003, Horizon must have security plans approved by Office for Nuclear Regulation Civil Nuclear Security in place.

Emergency Planning

5.41 Regulations require that arrangements are in place for responding to a nuclear or radiological emergency in advance of bringing nuclear fuel to the Power Station Site. This will involve the development of emergency plans by Horizon and the local authorities, with the support of emergency services and other bodies. These emergency plans will be subject to regular testing by the Office for Nuclear Regulation, under the Nuclear Site Licence conditions.

Fresh Fuel and Radioactive Waste

5.42 The operation of the Power Station will require the delivery of fresh nuclear fuel to the Power Station Site. Radioactive waste from the Power Station will be stored at the Power Station Site and eventually transported in authorised packages for final disposal at licensed facilities (see Power Station and Radioactive Waste sections in Chapter 6). These activities are regulated by the Office for Nuclear Regulation.

Decommissioning

5.43 The decommissioning process has been successfully implemented at various nuclear facilities around the world and is underway in the UK at a number of facilities including Chapelcross, Trawsfynydd, Berkeley and Hunterston (A). For nuclear new build power station sites in the UK, it is the Nuclear Site Licence holder's responsibility to fund and manage the decommissioning of the site, and all waste disposal arrangements, in line with relevant legislation and regulations.

5.44 DECC requires all nuclear new build operators to submit a Funded Decommissioning Programme explaining their waste management and decommissioning plans and calculated costs to the Secretary of State for approval in advance of nuclear safety-related construction. The purpose of the Funded Decommissioning Programme is to ensure that operators make provision for:

- The full cost of decommissioning their installation; and
- Their full share of the costs of safely and securely managing and disposing of their waste.

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5.45 In addition to the Funded Decommissioning Programme requirement, Condition 35 of the Nuclear Site Licence that would be granted for the Power Station by the Office for Nuclear Regulation also requires that specific arrangements are put in place for decommissioning.

Decommissioning of the Existing Power Station

5.46 Magnox Limited holds a Nuclear Site Licence for the Existing Power Station and currently intends to operate the plant until the end of 2015, after which there will be a period of de-fuelling and decommissioning. This would be undertaken in accordance with Magnox Limited's published decommissioning plans.

5.47 Horizon will coordinate its activities to minimise, where possible, disruption to the operation and decommissioning activities at the Existing Power Station.

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6 Power Station Proposals

6.1 This Chapter describes the main Power Station proposals, explaining how the Power Station Site has been selected and what is involved in each of the following components:

- The Power Station, comprising:
  - Two Nuclear Islands;
  - Two Conventional Islands;
  - Balance of Plant and Ancillary Structures, including the CWS and breakwaters; and
  - Off-Site Power Station Facilities.
- Radioactive Waste and Spent Fuel; and
- Utilities.

6.2 All of the components listed above (paragraph 6.1) have the potential to give rise to a range of environmental impacts. Chapter 7 includes an overview of the likely environmental effects associated with the construction and operation of the Power Station. Consultees should refer to this information and review relevant sections of the PEI Report to assist in forming consultation responses.

6.3 Chapter 8 outlines Project proposals for the setting and landscaping features and appearance of the Power Station.

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Location of the Power Station

6.4 The Wylfa NPS Site is shown in Figure 6.1. Horizon's intention to position the majority of the Power Station buildings, including the generating units, within the Wylfa NPS Site is a matter that is settled, as is the use of the UK ABWR reactor technology.

6.5 The Wylfa NPS Site extends to approximately 254 hectares. The operational Power Station requires approximately 80 to 90 hectares of land within the Wylfa NPS Site, although this will depend on the final layout.

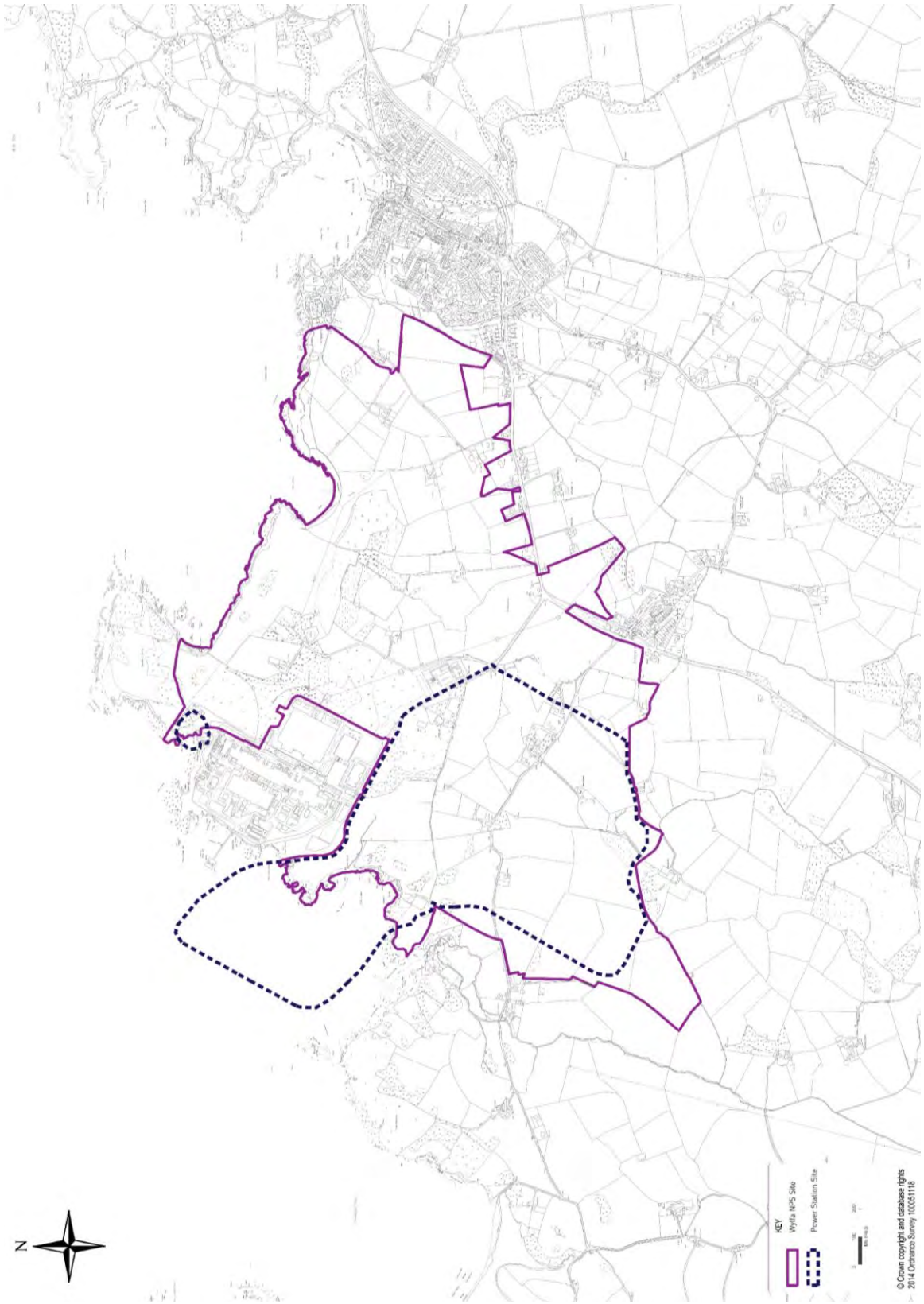
6.6 Horizon's proposed position of the Power Station Site within the Wylfa NPS Site is to the south-west of the Existing Power Station, as shown in Figure 6.1. This is largely settled. In positioning the Power Station Site, particular emphasis has been placed on balancing regulatory requirements including construction and operational site security, safety and environmental characteristics, as well as other constraints and the practicalities, cost and viability of constructing the Wylfa Newydd Project.

6.7 Horizon has selected the Power Station Site location as it:

- Creates a compact development envelope and positions the generating units within the Wylfa NPS Site boundary (see Figure 6.1);
- Provides access to cooling water directly from the Irish Sea;
- Supports the co-location of the CW intake and MOLF at Porth-y-pistyll, which contributes to optimisation of the design (refer to the Cooling Water System and Breakwater section later in this Chapter, and the MOLF Proposals section in Chapter 10 for details);
- Creates a separation distance from the closest communities of Tregele and Cemaes and allows for the provision of noise attenuation and visual screening between homes and the Power Station;
- Is mainly outside areas of designated ecological importance (refer to Chapter 3);
- Minimises interference with the access route to the Existing Power Station, which assists in enabling Horizon's proposals to coordinate with the planned decommissioning of the Existing Power Station; and
- Maintains potential for National Grid to continue using their existing 400 kilovolts overhead transmission lines and sub-station building located on the Wylfa NPS Site.

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Figure 6.1 Preferred Power Station Site position, relative to Wylfa NPS Site



The Power Station

6.8 This section provides an overview of the main built components that comprise the Power Station and how they interrelate. These are settled components of the Wylfa Newydd Project. It also details the indicative layout for the Power Station, which is largely settled. A brief summary of the way in which a power station would work is provided for context in Appendix A.

Background

6.9 In simple terms, large thermal power stations operate by using heat energy derived from burning fossil fuels such as oil, coal or gas, or from nuclear fission, to convert very pure water into high pressure steam. This steam is used to drive a steam turbine, which is connected to a large electrical generator, thereby generating electricity that is passed via a sub-station into the national grid electricity transmission network.

6.10 The main plant and structures of the operational Power Station can be divided into three broad groups:

- Nuclear Island;
- Conventional Island; and
- Balance of Plant and Ancillary Structures.

6.11 There would also be a small number of emergency and other facilities forming part of the operational Power Station. These would need to be outside any defined zone around the Power Station Site that requires urgent counter-measures in the event of a radiation emergency, and are described later in this Chapter.

6.12 The Power Station would include two generating units. Each of these units would consist of a Nuclear Island and a Conventional Island. The Balance of Plant would include additional buildings, systems and structures for the operation of both units of the Power Station. In addition, there would be Ancillary Structures such as offices, maintenance and managerial facilities, roads and other environmental features. The locations of these various groupings within the Power Station Site are shown in Figure 6.2, as well as the general area in which the Spent Fuel and Intermediate Level Waste (ILW) interim storage buildings are proposed to be located.

6.13 The following sections briefly describe the elements of the Nuclear Island, Conventional Island, Balance of Plant and Ancillary Structures, including their function and key inter-relationships.

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Nuclear Island

6.14 There would be two Nuclear Islands within the Power Station Site. Each nuclear reactor would be incorporated within a Nuclear Island. The positioning and layout of the various structures and buildings comprising the Nuclear Island has been developed and optimised taking into account regulatory and design requirements.

6.15 There are seven main components within each Nuclear Island, labelled in Figure 6.2:

- The reactor building (1);
- The control building (2);
- Heat exchanger building (3);
- Filter vent building (4);
- Back-up building (5);
- Radioactive Waste Building (6); and
- Service building (7).

6.16 In addition to the Radioactive Waste Building that would form part of each Nuclear Island, there would be a requirement to provide interim storage buildings within the Power Station Site for Spent Fuel and ILW. Horizon's current thinking in relation to the position of these buildings is included in this section.

Figure 6.2 Power Station Indicative Layout



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The Reactor Building

6.17 The main physical feature of each Nuclear Island would be the reactor building. With the exception of an exhaust stack (which would be directly on top of the reactor building, with an indicative height of around 75m),[32] this would be the tallest structure on the Power Station Site at around 45 metres. The reactor building would house the nuclear reactor, reactor internal pumps, various safety systems, Spent Fuel pool and fuel handling equipment for the storage of new nuclear fuel and the storage of Spent Fuel immediately after it has been removed from the reactor.

6.18 The plant in the reactor building would be supported by safety and auxiliary systems. Each Nuclear Island would be served by a number of auxiliary systems, notably water cooling systems, which remove heat from the plant auxiliaries in order to preserve the required functions during all modes of operation.

The Control Building

6.19 The control building would be situated between the reactor building and turbine building (the latter is part of the Conventional Island). It would contain the main control room for the generating unit, as well as some of the electrical switchgear and support systems needed to supply electrical power to the Power Station's auxiliary systems.[33]

Filter Vent Building

6.20 The filter vent building would contain the filtration and monitoring equipment necessary to ensure that the gases arising within the reactor building and turbine building during operation can be vented from these areas and released into the environmental safely.

Back-up and Heat Exchanger Buildings

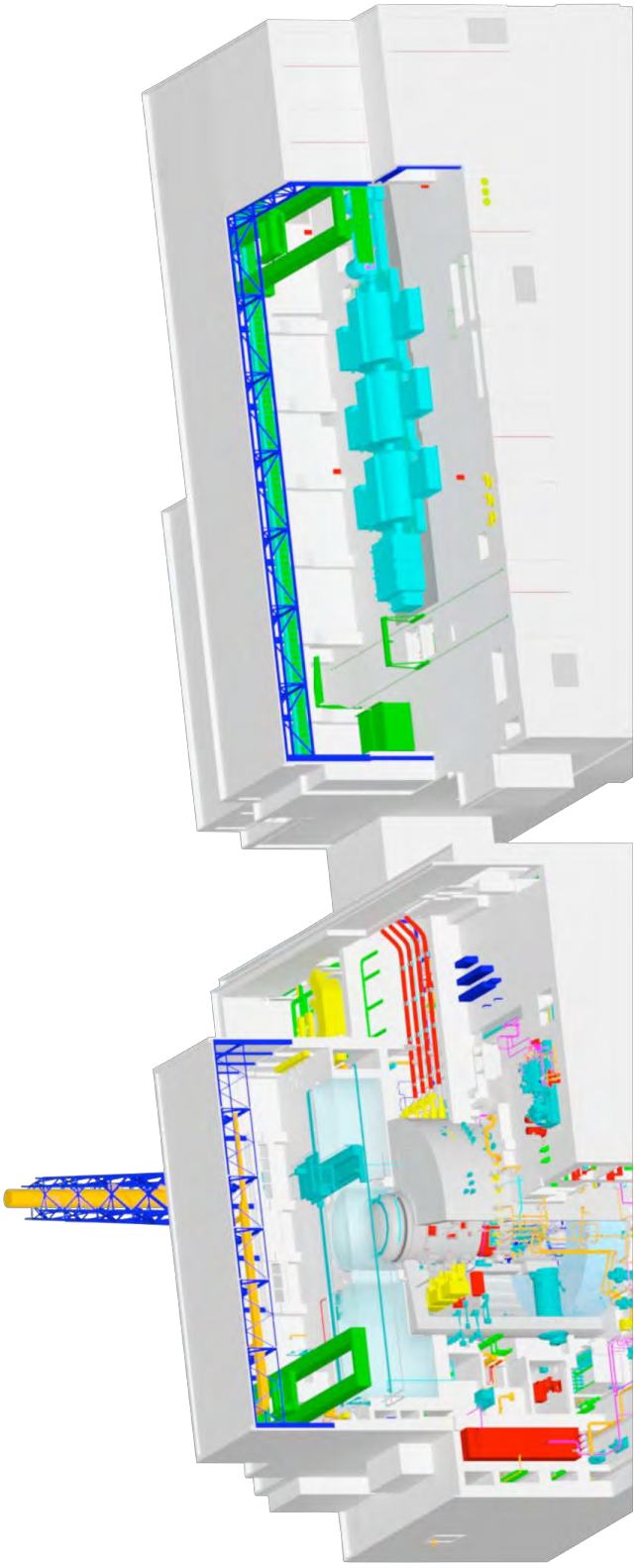
6.21 Safety and auxiliary systems that are not located in the reactor building would be housed in buildings referred to as the back-up building and the heat exchanger building. The back-up building would be located to provide adequate separation from the reactor building. The heat exchanger building would be located close to the sea water intake to ensure proximity to the cooling water source. The locations of these buildings in relation to the reactor building can be seen in Figure 6.3.

[32] Stack height is a site specific design parameter that is dependent on the site specific modelling work that will take into account the particular layout of buildings on the Power Station Site, the local topography and local meteorological conditions. Horizon has not yet undertaken this level of detailed design work and further clarification will be provided as Stage Two pre-application consultation.

[33] There would also be other electrical switchgear in several locations elsewhere on the Power Station Site, each typically close to the plant that it would supply.

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Figure 6.3 Schematic showing the buildings surrounding one of the reactors (generic ABWR)



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The Service Building

6.22 The service building would contain functions essential to the operation of the generating unit; for example, the personnel monitoring and welfare facilities. It would also contain other support functions for operation of the Power Station that must be located close to the generating unit.

Radioactive Waste Building

6.23 In order to collect and treat radioactively contaminated water from the reactor building and turbine building, a Radioactive Waste Building is needed (refer also to Radioactive Waste and Spent Fuel section later in this Chapter for more information). This would be located close to the reactor building in order to ensure the safe and efficient transfer of such material. The Radioactive Waste Building would also store radioactive waste until there is sufficient material for processing, sorting, segregation and packaging of radioactive waste, which would be undertaken in a number of radioactive waste processing buildings, depending on the nature and radioactivity of the waste.

6.24 Radioactive waste processing buildings would be located either close to the Radioactive Waste Building or close to the ILW Interim Storage Building (see below).

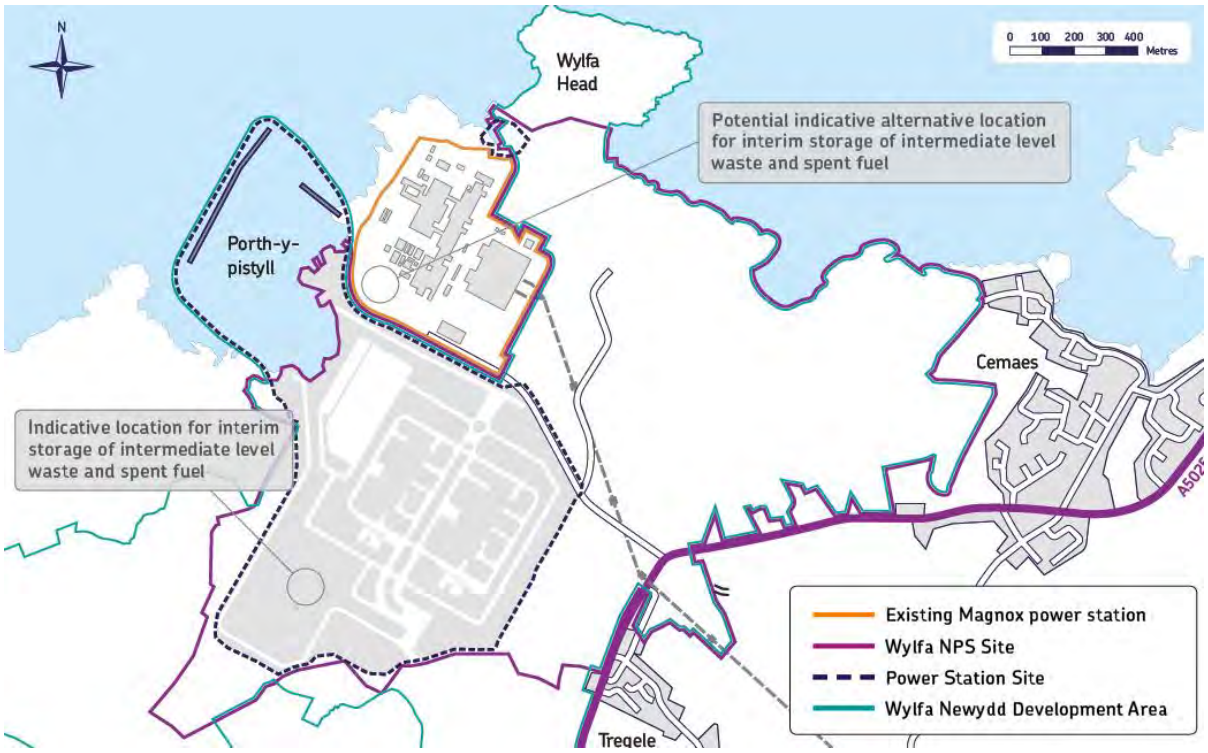
Spent Fuel and Intermediate Level Waste Interim Storage Buildings

6.25 In addition to the Radioactive Waste Building and the radioactive waste processing buildings, there are two other radioactive waste buildings which would be common for the whole Power Station, namely the Spent Fuel Interim Storage Building and the ILW Interim Storage Building (refer also to the Radioactive Waste component description later in this Chapter). The Spent Fuel Interim Storage Building would not be required until a number of years after the start of commercial operation.

6.26 Figure 6.4 indicates the general location within which ILW and Spent Fuel could be accommodated within the Power Station Site. This location has been proposed as it is close to and easily accessed from the two Nuclear Islands and would therefore allow the safe and efficient transfer and secure storage of Spent Fuel and ILW. Horizon is also entering into discussions with Magnox Limited to explore the potential for radioactive waste storage to be positioned within the curtilage of the Existing Power Station, following its planned decommissioning, as an alternative. Use of land at the Existing Power Station for development of the ILW and Spent Fuel Interim Storage Buildings would reduce the amount of land Horizon requires for operational purposes within the Wylfa Newydd Development Area, the implications of which are outlined further in Chapter 8.

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Figure 6.4 Potential Locations for Spent Fuel and Intermediate Level Waste Interim Storage Buildings



Horizon invites comments on the two potential locations identified for the storage of Spent Fuel and ILW. It would be particularly useful for Horizon to understand what is important to consultees in deciding where to position these facilities.

Conventional Island

6.27 The Conventional Island would comprise plant and facilities associated with each generating unit that, together with the Nuclear Island and Balance of Plant, are required to generate electricity. These are settled components of the Project.

6.28 Each Conventional Island would include the turbine hall and plant items contained in or located close to it. Main Conventional Island items are labelled in Figure 6.2 and include:

- Turbine building, containing steam turbine, condenser, electrical generator, various auxiliary plant and connecting systems (8);
- Generator transformer and auxiliary transformers (9); and
- Gas storage facilities (e.g. hydrogen and carbon dioxide) (10).

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6.29 The overall layout of the Conventional Island is largely settled but would be refined, as necessary, taking into account the Nuclear Island and other regulatory and design requirements. The design would also seek to optimise plant efficiency and take into account requirements that affect the construction phasing. A brief description of the key elements is provided here.

Turbine building

6.30 The turbine building would be the largest part of the Conventional Island. It would house the steam turbine, condenser, electrical generator and associated plant and equipment. It would be positioned close to the control and reactor buildings, to minimise the lengths of connecting steam and water pipes and cables.

Transformers

6.31 The generator transformer would be the main interface between a generating unit and the national grid electricity transmission network. When power is being generated, the generator transformer would increase the voltage of the generated electricity to that of the national grid electricity transmission network (400 kilovolts). When a generating unit is shut down, a relatively small amount of power would normally be imported for use by the Power Station via the generator transformer. The auxiliary transformers would reduce the voltage of electricity generated by the unit or imported from the national grid electricity transmission network to a level suitable for use within the Power Station.

Gas storage facilities

6.32 It would be necessary to store gas within the Power Station Site for various purposes including, for example, hydrogen, which would be used to cool the generators while carbon dioxide would be used when purging a generator of, or filling it with, hydrogen before and/or after maintenance. Carbon dioxide would also be used as a fire extinguishing medium.

Electrical Connection to National Grid

6.33 The generated power would be transferred between each generator transformer and a sub-station, which would be owned and operated by National Grid.

6.34 Appendix B provides further detail on the development being undertaken by National Grid in parallel and how this interfaces with the Wylfa Newydd Project.

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Balance of Plant and Ancillary Structures

6.35 Both the Balance of Plant and Ancillary Structures would serve the entire Power Station. These are settled components of the Wylfa Newydd Project. The proposed layout of these components is largely settled but would be refined taking into account the Nuclear Island, Conventional Island and regulatory and design requirements. The design would also seek to optimise plant efficiency and take into account requirements that affect the construction phasing.

Balance of Plant

6.36 Figure 6.2 shows the general location of the Balance of Plant. The main components that would form the Balance of Plant are listed below:

- CWS (pumphouse structures, pumping plant and equipment (11), seal pits (12), discharge tunnels and CW outfall (13), including breakwater structures);
- Auxiliary boiler and tanks (14);
- Demineralised water treatment plant (and associated water and chemical storage tanks) (15);
- Biocide treatment plant (16); and
- Firefighting buildings (and associated water storage tanks) (17).

6.37 A brief description of the key elements is provided here.

Cooling Water System

6.38 Cooling water is used to condense the steam leaving the steam turbine. The CWS would draw water directly from the Irish Sea and this water would then pass through screens before being pumped to the condenser. The screens, pumps and supporting systems would be located on the Porth-y-pistyll foreshore, in the CW intake and pumphouse structure. On leaving the condensers, CW would flow to a seal pit before discharging to the sea under gravity via the CW outlet tunnel and the outfall, which would be to south-west of Wylfa Head.

6.39 A more detailed explanation of the CWS is provided in the Cooling Water System and Breakwater component description later within this Chapter.

Auxiliary boiler and tanks

6.40 There are a number of systems in the Power Station that would use steam even when the nuclear reactors were shut down. In order to ensure that steam would always be available regardless of the state of operation of the two reactors, there would be an auxiliary boiler serving the whole Power Station Site. This would use a secondary fuel to generate the quantities of steam needed when the reactors are not able to supply the necessary steam. If an oil fired design was selected to provide this steam, then tanks for the oil would be required.

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Demineralised water treatment plant

6.41 The reactor coolant systems require extremely pure water to prevent corrosion in the steam systems that, over time, would lead to unnecessary plant shut downs and/or a reduction in efficiency. Although the water supply to the Power Station would already be very pure, being drinking water standard, the water treatment plant would use a number of chemical demineralisation processes to further purify the water before use.

Biocide treatment plant

6.42 The CWS can provide an attractive environment for mussels and other sea life to grow in the pipework and heat exchangers that use sea water for cooling. In extreme cases this could lead to blockages that require the Power Station to be shut down in order to remove the growth. Using a similar process to that applied at swimming pools to keep the water clean, by adding small but exact amounts of a chemical (usually chlorine-based) to the sea water at the CW intake, the plant can be protected from the occurrence of such growths. By the time the sea water reaches the CW outfall, the chemical would have naturally decayed to a level that would not be harmful to the environment. The biocide treatment plant would either manufacture its own chemicals from those naturally occurring in the sea water using electrolysis, or simply dose with a pre-mixed agent.

Firefighting buildings

6.43 The Power Station Site would be provided with a network of fire hydrants and fixed fire protection systems, supplied by tanks holding sufficient water to protect against fire. The pump houses would have a set of fire pumps, some driven by electric motors, some by diesel engines, to provide pressurised water at locations covering the entire Power Station Site. In addition to these fixed systems, there would also be a fire station on the Power Station Site with vehicles and equipment that would enable a Power Station fire team to react quickly to fires, supported by the fire service.

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Ancillary Structures

6.44 The main components that would form the Ancillary Structures include:

- Site perimeter fence and entrance buildings;
- Administration and other smaller office buildings;
- Maintenance facility;
- Garages;
- Car parking (also car parking and laydown area for outage periods);
- Helicopter landing pad; and
- Power Station Access Road (refer to Chapter 7).

6.45 An indicative arrangement of Ancillary Structures is included in Figure 6.2.

Off-Site Power Station Facilities

6.46 In order to provide resilience against extreme events with very low probabilities, and in line with industry good practice, Horizon is required to develop a small suite of integral facilities that would be physically separate from, but local to, the Power Station Site. The need for these facilities is an aspect of the Wylfa Newydd Project that is settled. These facilities would form part of the Power Station and complement the facilities that would be within the Power Station Site. The facilities are likely to include the following:

- Alternate Emergency Control Centre – this would provide back-up command and communications facilities that would be used to manage an incident at the Power Station Site in the extremely unlikely event that the primary facilities on the Power Station Site were not available;
- Survey Laboratory – this would provide facilities to manage radiological surveys in the local area; there would be equipment for analysing samples and assessing the implications for people and the environment. A small number of vehicles would need to be based at this facility, along with communication facilities to the Power Station Site; and
- Specialist Vehicle Storage – in common with other nuclear sites, Horizon would retain a number of specialist vehicles at a location close to but separate from the Power Station Site, which would allow them to be rapidly deployed if needed to support an incident.

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6.47 The design and configuration of the Off-Site Power Station Facilities will be subject to further discussion with regulators. The full detail of these facilities is therefore still being developed, but they would need to meet a number of criteria:

- The location would need to be sufficiently separate from the Power Station Site that any extreme event that affects the Power Station Site, would not affect these facilities;
- They would need to be outside any zone that requires urgent counter-measures in the event of a radiation emergency;
- They would need to be sufficiently close to the Power Station Site to ensure good communications and minimise travel time between the Power Station and the facilities; and
- They would need to be close to the Designated Freight Route to the Power Station Site (refer to Chapter 10 for details of this route). Routine access to the facilities is likely to be fairly low level but in the event of an emergency, there would be potentially significant vehicle movements.

6.48 For most of the facilities, a location between 1.5km and 5km of the Power Station Site is likely to be most appropriate and options for their siting will be considered in advance of Stage Two pre-application consultation. The specialist vehicle storage is likely to be the largest building, potentially holding up to 12 vehicles; for this facility, a location close to the A55 corridor may well be considered.

Cooling Water System and Breakwater

Context

6.49 The CWS is an integral component of the Power Station and is fundamental to its operation. This section provides further detail in respect of the proposed CWS design and its key components, as well as how Horizon proposes to integrate the CWS within the overall Power Station Site layout.

6.50 Taking into account the particular characteristics of the Wylfa Newydd Development Area, Horizon has elected for a once-through water cooling system, using seawater abstracted from the Irish Sea. A once-through water cooling system is the option promoted in NPS EN-6 and this aspect of the Wylfa Newydd Project is settled. At this stage, precise locations, configurations and the scale of the CWS infrastructure have not been fully determined and the options currently being considered by Horizon are set out in this section.

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Consultees are invited to comment on the locations presented for CWS infrastructure and the potential to co-locate the CWS with the MOLF in the same marine area. There is a preferred option for the location of the CW outfall structures, as well as an alternative location that may be required if the preferred option cannot be achieved in appropriate timescales and consultees are invited to comment on these. In addition, there is also an opportunity to influence the types of screening and fish protection systems that will be carried forward through detailed design.

Approach

6.51 Wylfa's coastal location offers the potential to access plentiful supplies of cold water from the Irish Sea. The sea currents provide very good mixing of water that would effectively disperse any thermal plume associated with discharged cooling water at the outfall, and would minimise the recirculation of discharged water directly back into the CW intake. This means Wylfa is particularly well suited to the operation of an efficient CWS. Figure 6.5 illustrates schematically the way a once-through water cooling system works.

System Requirements

6.52 The CWS requires the following:

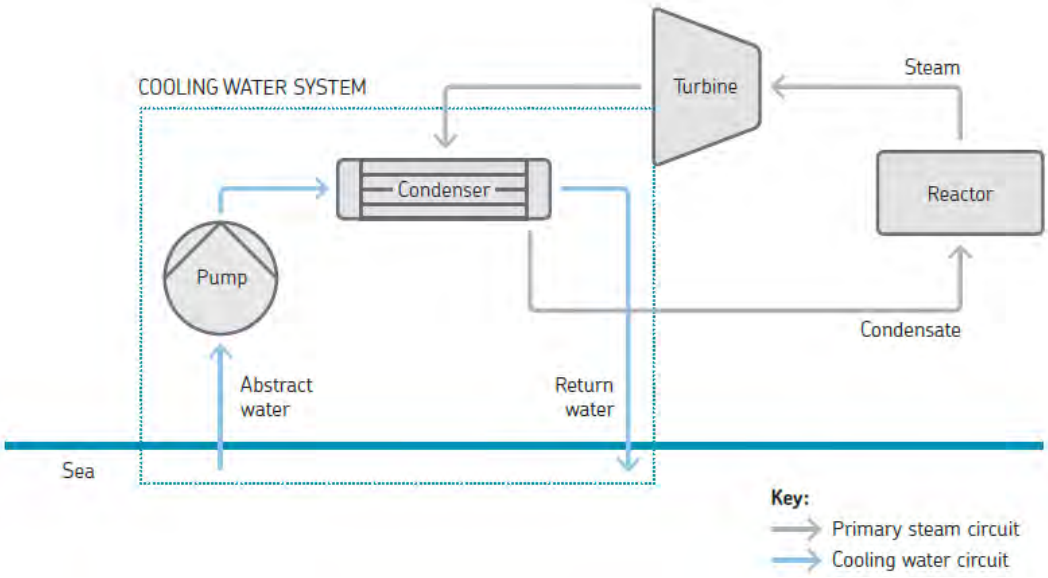
- CW intake structure/pumphouse (to draw cooling water in from the sea), including screening and fishery protection systems;
- Cooling water pipes from the intake structure/pumphouse to the turbine buildings (likely to be buried);
- Seal pits (to prevent vacuum conditions in the CWS during low tide periods);
- Outfall tunnel, to transfer water from the seal pits to the outfall structure (likely to be buried); and
- CW outfall structure (to return cooling water to the sea).

6.53 It is possible that as a result of regulatory requirements emerging from the Generic Design Assessment process and site specific safety requirements (see Chapter 5), additional CWS components may be required to provide a back-up system in the event that the primary onshore CWS were unavailable. At this stage, it is not known what these requirements would be, but they could involve the use of alternative cooling methods. The description provided in this section focuses on the primary onshore CWS.

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6.54 Depending on the suitability of the coastal environment, the CW intake and outfall structures for once-through water cooling systems can be sited either close to the shoreline (referred to as onshore) or offshore, the latter involving lengthy tunnel connections along the sea bed. Horizon has explored the relative merits of different locations for such structures around the coastline of Anglesey, near to the location of the Power Station and has selected an onshore CWS; this element of the Wylfa Newydd Project is settled. Chapter 5 of the PEI Report provides an outline of the alternatives considered for the CWS and an overview of why the onshore CWS has been selected.

Figure 6.5 Diagram of once-through Water Cooling System



Onshore Cooling Water Intake

6.55 Horizon's assessment of locations for onshore CW intake structures has resulted in Porth-y-pistyll as a preferred location, for combined reasons linked to the CW intake design considerations and an evolving understanding of baseline environmental conditions (refer to Chapter 5 of the PEI Report).

6.56 Figure 6.6 provides an indicative image of how the CW intake/pumphouse structure may look within the Porth-y-pistyll location. The configuration of the proposed CW intake/pumphouse structure is an element of the Wylfa Newydd Project that is largely settled. It should be noted that this image is indicative only and does not reflect final architecture, which will be developed taking account of relevant feedback received as part of this Stage One pre-application consultation (see Chapter 8 for further information about options for the architecture of the Power Station).

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Fish Protection Systems

6.57 Screening would be installed to help prevent fish and other organisms from being drawn into the CWS. In addition to this screening, the CW intake would be designed to draw water into the CWS at a sufficiently low flow velocity to allow most fish to swim out of the draw of the waters being abstracted. A fish recovery and return system would need to be employed at the location of the screens to return any fish entrapped back to the sea. Acoustic fish deterrents[34] and strobe lighting[35] may also be used to deter fish from approaching the CW intake.

6.58 The choice of which fish protection option(s) is or are deployed at the CW intake is an option yet to be decided. There are a number of considerations to take into account, for example, acoustic fish deterrents are designed to be more effective for species with good hearing, such as the cod family, bass, herring, sprat and other round fish. However, they are less effective for flatfish and eels, which do not hear well. In contrast, the use of strobe lighting is a type of stimulus that can be particularly effective against eel entrapment.

6.59 The decision of which option or combination of options for fish protection to deploy at the CW intake will be informed by the findings of the marine ecological surveys, particularly in relation to the types of species likely to be most prevalent at Porth-y-pistyll. Stakeholder and consultee views, will also be taken into consideration as the detailed design of the CW intake continues to develop.

Horizon is keen to hear suggestions about specific considerations that may need to be taken into account in relation to fish protection systems and the most appropriate solutions.

Figure 6.6 Indicative Image of Cooling Water Intake/Pumphouse



[34] A technique that uses sound projectors positioned in a matrix ahead of the cooling water intake opening. The projectors create sound fields that are repellent to aquatic life.

[35] This technique uses pulsating light sources to dissuade fish from entering an area (as opposed to sound, as is the case with acoustic fish deterrents).

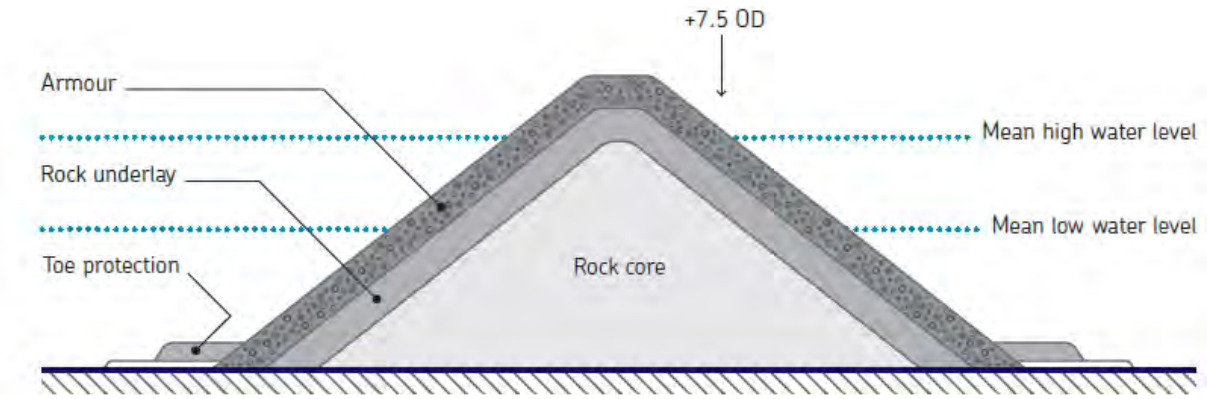
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Breakwaters

6.60 The onshore CW intake structure should be positioned within a calm water environment to protect it from storm damage and ensure that it is permanently submerged in the sea, to prevent air ingress. Porth-y-pistyll normally benefits from being sheltered from many of the storm events that affect the Anglesey coastline; however, northerly and north-westerly storms do affect the coastline here and could impede the operability of any CW intake position. Large storm events have the potential to physically damage intake screens, inundating them with debris and creating harmful pressure differentials across pump inlets that could affect performance.

6.61 In order for a calm water environment to be achieved at Porth-y-pistyll, breakwater structures would be needed for the operational lifetime of the Power Station. An example of a typical cross-section of a breakwater is shown in Figure 6.7. The need for breakwater structures is an element of the Wylfa Newydd Project that is settled.

Figure 6.7 Example of a typical cross-section of a breakwater

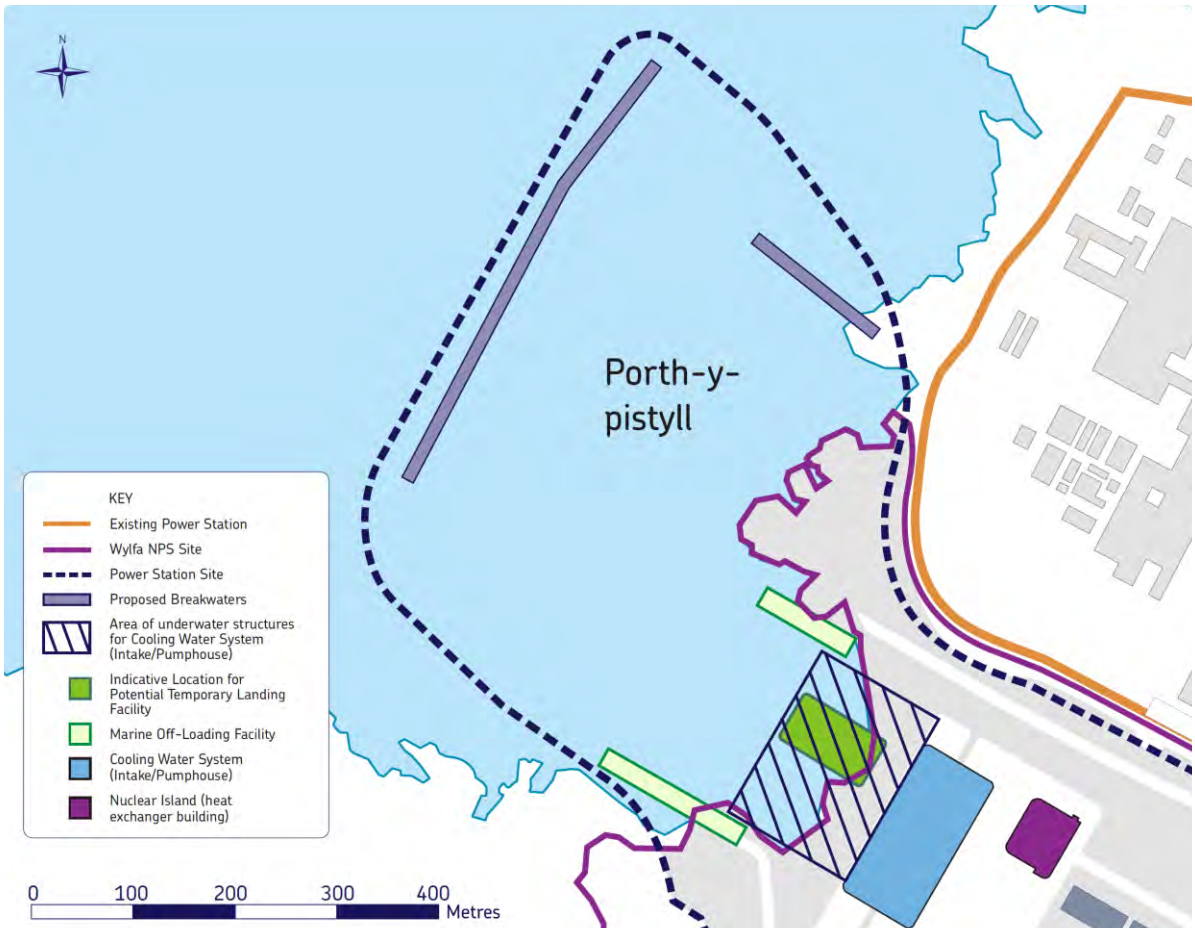


6.62 Horizon's preferred configuration is for a breakwater to the north of Porth-y-pistyll with a second smaller breakwater sited to the north-east (see Figure 6.8). This configuration would provide good sheltered water. This breakwater layout is largely settled although it may be further developed and optimised during detailed design.

Horizon welcomes consultee comments on the proposed breakwater configuration and any suggestions for specific considerations that Horizon should take into account in optimising the breakwater design within Porth-y-pistyll.

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Figure 6.8 Preferred Breakwater Configuration



Additional Opportunities

6.63 Horizon's proposals for meeting the transport requirements of the Wylfa Newydd Project include the delivery of freight directly to the Power Station Site by sea via a MOLF (refer to Chapter 10, MOLF Proposals). Constructing breakwaters to protect the CW intake provides Horizon with the opportunity to position the MOLF infrastructure within Porth-y-pistyll by designing the breakwaters to also offer protection to vessels that could deliver freight directly to the Power Station Site. Such vessels would berth within the protected waters of Porth-y-pistyll to allow off-loading of freight to the shore, which would then be transported directly along internal haul roads for use within the Wylfa Newydd Development Area.

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Options for Onshore Cooling Water Outfall

6.64 Horizon has undertaken preliminary modelling exercises to understand the way in which water exiting the CW outfall would be moved around within the Irish Sea. The aim of these exercises was to confirm that the discharged cooling water would mix well with sea water before it may be drawn back into the CW intake at Porth-y-pistyll (known as recirculation). The modelling concluded that there is limited potential for recirculation of cooling water between potential outfall locations along the western coastline of Wylfa Head, where the CW intake is located at Porth-y-pistyll. More information on the environmental factors that influenced the decision to locate the CW outfall at Wylfa Head can be found in Chapter 5 of the PEI Report.

6.65 Based on the analysis undertaken to date, Horizon has identified a preferred option for the CW outfall structure, the position of which is shown in Figure 6.9. This would involve the construction of a new CW outfall structure that would discharge to the same location as the Existing Power Station outfall and would re-use the channel already cut into the sea bed.

Figure 6.9 Cooling Water Outfall Options



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6.66 Horizon will continue discussions with Magnox Limited and the Nuclear Decommissioning Authority to understand fully the potential opportunities and constraints associated with using and developing the Existing Power Station outfall channel for use within Horizon's proposals, particularly in relation to the compatibility of the decommissioning timescales with Horizon's Project programme. If it is concluded that it would not be possible to construct at this location, Horizon has identified an alternative location a short distance to the north of the Existing Power Station outfall, also on the south-western coast of Wylfa Head. At this location, water would discharge to the same bay as the preferred option, but in a different direction.

6.67 In terms of environmental implications, our initial assessments indicate that whichever option is carried to the final design, there would be potential localised impact to intertidal and subtidal flora and fauna, as well as habitat loss during construction. The preferred option would be constructed in a previously developed part of the coastline, which would therefore cause fewer disturbances to marine flora and fauna than construction within an alternative and as yet undeveloped location. Potential operational impacts are also likely to be comparatively less with the preferred option (compared to the alternative location) as discharging of cooling water to this part of the coast is an established practice, albeit that the Power Station would discharge water at higher velocity than the Existing Power Station.

Horizon welcomes consultee views on preferences between the preferred and alternative CW outfall locations.

Question 4

Do you have any comments on Horizon's coastal development proposals at Porth-y-pistyll and Wylfa Head, relating to the cooling water system (including breakwaters) and Marine Off-Loading Facility?

6.68 Horizon is particularly keen to hear views on:

- Options for fish protection systems that could be used;
- Horizon's preferred and alternative options for locating the CW outfall structures at Wylfa Head; and
- Any matters that Horizon should take into consideration when designing the CWS and MOLF infrastructure at Porth-y-pistyll and Wylfa Head, particularly in relation to established maritime and recreational activities.

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Radioactive Waste and Spent Fuel

Context

6.69 This section describes the current proposals for managing radioactive waste and Spent Fuel at the Power Station. It also provides an overview of the types of radioactive waste likely to arise from the operation and decommissioning of the Power Station.

Approach to managing Radioactive Waste and Spent Fuel

6.70 Horizon's approach is to apply the waste hierarchy principles shown in Figure 6.10.

Figure 6.10 Waste Hierarchy



6.71 Horizon would minimise the amount of waste generated and, wherever possible, re-use and/or recycle. This would be achieved through both the UK ABWR design and the way in which it is operated. During operation, Horizon would carefully segregate and classify any waste produced according to its radioactive content, which is described in Table 6.1. The Very Low Level and Low Level Wastes generated are expected to be disposed of in licensed facilities Off-Site, leaving only the Intermediate Level Waste to be stored at the Power Station Site, pending disposal in the Geological Disposal Facility (GDF). This aspect of the Wylfa Newydd Project is largely settled.

6.72 Similarly, Spent Fuel generated during the lifetime of the Power Station would be safely and securely stored in an interim facility at the Power Station Site, pending disposal in the GDF. This aspect of the Wylfa Newydd Project is largely settled.

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6.73 The management of radioactive waste and Spent Fuel is subject to regulation by both Office for Nuclear Regulation (ONR), through the Nuclear Site Licence conditions, and by Natural Resources Wales (NRW), through an environmental permit. Horizon would need to demonstrate Best Available Techniques in the management of radioactive waste.

6.74 As part of the regulatory process Horizon would need to demonstrate that the radioactive waste and Spent Fuel arising from the UK ABWR can be safely and securely stored on-site until such time that it can be disposed of in a national GDF, as required by UK Government policy (see below).

6.75 Horizon's approach to managing both Radioactive Waste and Spent Fuel is set out in Table 6.1.

Table 6.1 Radioactive Waste and Spent Fuel Categories

Waste category	Description[36]	Proposed Management
Very Low Level Waste (VLLW) [High Volume]	Waste which has a radioactive content not exceeding 4MBq (megabecquerels) per tonne of total activity. This waste typically includes lightly contaminated concrete and steel.	VLLW presents a very low hazard and would be disposed of in a licensed facility if other options in the waste hierarchy were not available.
Low Level Waste (LLW)	Waste that has a radioactive content not exceeding 4 gi-gabecquerels per tonne (GBq) of alpha, or 12 GBq per tonne of beta/gamma activity. This waste type typically includes lightly contaminated material, such as tools, clothing, resin and filters.	As it is generated, LLW would be sorted and segregated to allow subsequent processing in accordance with UK Government strategy[37] which could involve recycling. The expectation is that LLW would be despatched to a licensed facility from the Power Station Site within a short time of its generation. Only a short term LLW storage area would be provided within the Power Station Site.
Intermediate Level Waste (ILW)	Waste which has a radioactive content exceeding the LLW limit described above and does not have a significant heat output. This waste typically includes ac-	It is planned that collection, treatment and packaging of the various ILW waste streams would be undertaken within the buildings and structures of the Power Station. ILW would be packaged in a passively safe form,

[36] Descriptions provided draw on information published within the 2010 Radioactive Waste Inventory: Main Report (www.nda.gov.uk/ukinventory/wp-content/uploads/sites/2/2014/02/2010-UK-Radioactive-Waste-Inventory-Main-Report.pdf) [Accessed: 11.09.2014].

[37] UK Strategy for the Management of Solid Low Level Radioactive Waste from the Nuclear Industry. Nuclear Decommissioning Authority, 26 August 2010.

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Waste category	Description[36]	Proposed Management
	tivated metals, sludge and highly contaminated resins.	as soon as practicable after it has been generated. The packages would be stored on-site in the ILW Interim Storage Building. This is likely to be similar in size to existing stores at Trawsfynydd and Berkeley. This approach is in line with UK Government policy, i.e. on-site storage until a GDF is available.
Spent Fuel	Fuel that has been used in a nuclear reactor.	On a periodic basis, Spent Fuel would be re-moved from the reactors and cooled in enclosed Spent Fuel ponds within the reactor building. The ponds associated with each reactor would have a limited capacity, and so once Spent Fuel has cooled sufficiently, it would need to be removed, and stored in the Spent Fuel Interim Storage Building where it would remain until the GDF was able to accept it, in line with UK Government policy.

6.76 Horizon would produce waste management arrangements for the Wylfa Newydd Project prior to the Full Operation stage (refer to Chapter 7 for information about the stages of the Project). This would meet the regulatory requirements for radioactive waste and mean that Horizon would operate within the framework of its certified ISO 14001 Environmental Management System.[38]

Disposal of ILW and Spent Fuel

6.77 Through the Managing Radioactive Waste Safely programme[39] and the recent White Paper: Implementing Geological Disposal (July 2014), the UK Government has committed to develop a GDF for ILW and Spent Fuel from nuclear facilities across the UK. UK Government policy[40] in respect of new nuclear power stations is that ILW and Spent Fuel should be stored in on-site interim stores until it can be disposed of in a GDF.

[38] A voluntary internationally recognised standard relating to various aspects of environmental management systems.
[39] The programme initiated by the Government to find a practicable framework for managing the UK's higher activity wastes in the long term through geological disposal (i.e. through the GDF).
[40] Paragraph 2.11 and Annex B, NPS EN-6.

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6.78 As part of the GDA process a disposability assessment is currently being undertaken to confirm that the ILW and Spent Fuel produced by the UK ABWR can be accommodated within a future GDF. Equivalent studies were carried out by the Nuclear Decommissioning Authority for potential new nuclear EPR and AP1000 reactors and can be used as an illustration of what this could mean in practice because, like the UK ABWR, they are modern light water nuclear reactors and the Spent Fuel would have similar characteristics. A key conclusion of those studies for the EPR and AP1000 is that to comply with the current temperature limit within the proposed GDF, Spent Fuel may need to be cooled for a period of between 60 and 140 years.[41] The top end of this range is being assumed for the UK ABWR in the GDA process. In addition, Horizon would need to demonstrate it could meet the requirements of the GDF as part of other regulatory processes (refer to Chapter 5).

Utilities

6.79 There will be a requirement for sufficient additional water supply to Wylfa during operation to meet the following Project needs:

- Process water requirements;
- Potable water requirements; and
- Firewater requirements.

6.80 Dŵr Cymru, Welsh Water[42] (DCWW) and Horizon are working collaboratively to determine water supply capabilities for the Wylfa Newydd Project, including dividing demand between treated and untreated water. Supply from DCWW is the preferred solution, subject to availability of supply, either using spare capacity in the pipeline supplying the Existing Power Station or via a new pipeline. As a supplement to this, if required, Horizon would explore options for augmenting water supply, such as desalination of sea water.

6.81 Electricity for the Power Station would be taken from the existing National Grid services to the Power Station Site and may include the necessity for a sub-station within the Wylfa Newydd Development Area as Project proposals develop.

6.82 The need for improvements to the sewerage system to meet anticipated Project demand is also under discussion with DCWW.

6.83 Horizon is considering permanent solutions, designed to meet the anticipated demand for water, electricity and sewerage for the operational stages of the Project. This would be supplemented with temporary provision to enhance supply during the peaks of demand in the construction stages of the Project.

[41] Feasibility studies exploring options for storage, transport and disposal of spent fuel from potential new nuclear power stations, NDA Report No NDA/RWMD/060/Rev1, January 2014.

[42] The company responsible for sewers, rising mains, potable water, water, temporary surface drainage and redundant water mains in Anglesey.

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7 Building and Operating the Power Station – Key Activities and Likely Environmental Effects

7.1 This Chapter provides an overview of the key stages in the lifetime of the Power Station as well as activities within the Wylfa Newydd Development Area. In particular, it includes an overview of the construction requirements in terms of approach, plant, equipment and space requirements for supporting the Enabling Works and Main Construction stage activities within the Wylfa Newydd Development Area. It also outlines the likely environmental effects for each of these stages of building and operating the Power Station, including the Enabling Works stage of the Project, drawing on information about potential impacts contained within the PEI Report.

Project Sequence

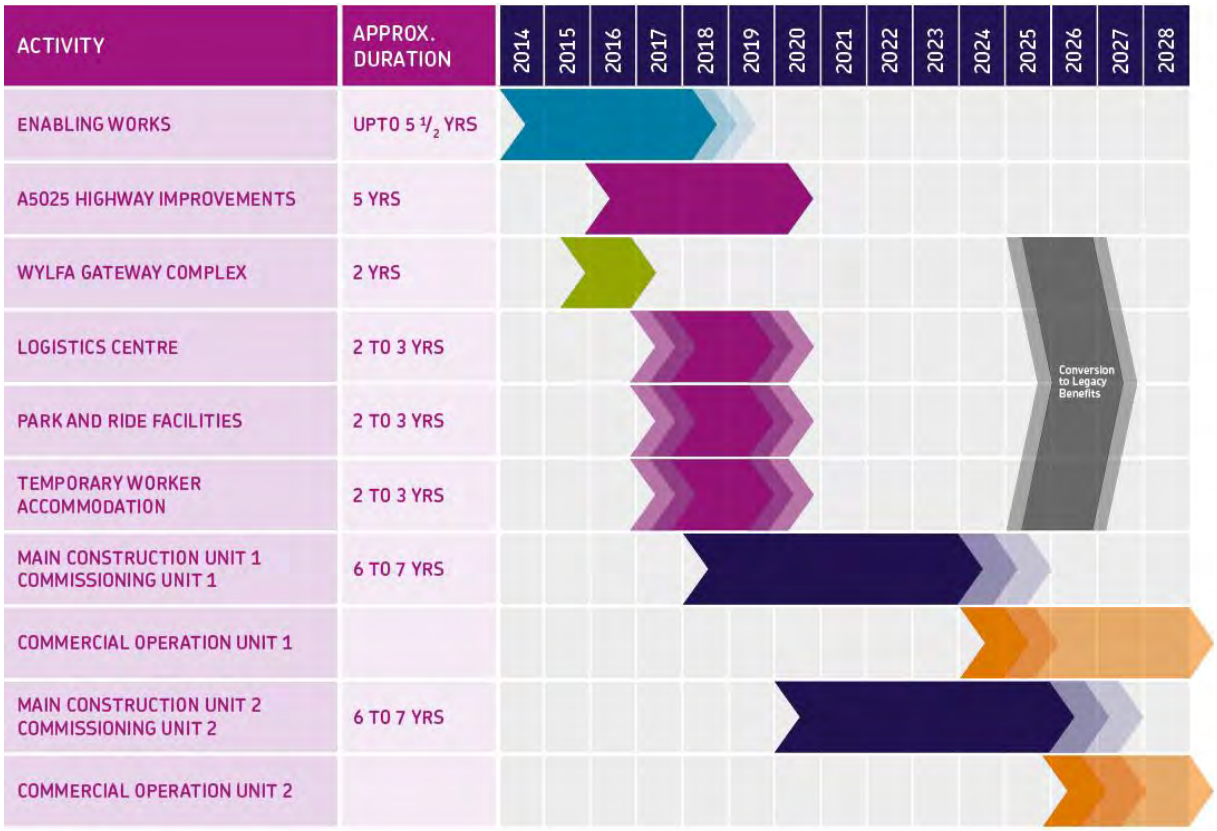
7.2 There are four main stages in the lifetime of the Power Station, as follows:

- Stage One – Enabling Works;
- Stage Two – Main Construction;
- Stage Three – Full Operation; and
- Stage Four – Decommissioning.

7.3 Figure 7.1 provides an indicative high level timeline that shows the sequence of activities for the main built components of the Wylfa Newydd Project. The description is based on the assumptions, Project proposals and options that are described in Chapters 6, 8, 9, 10 and 11.

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Figure 7.1 Project Activity Sequence[43]



Notes:

- Graded shading represents indicative start and end dates.
- The arrows are coloured and represent different stages in the Project: blue refers to the Main Consultation Stage activities and purple refers to Associated Development. Orange denotes Full Operation of the Power Station.
- Conversion to Legacy Benefits refers to the point at which construction activity is sufficiently complete that Associated Development and the Wylfa Gateway Complex can be converted to long term permanent use. This does not apply to the A5025 highway improvements as these will deliver benefit immediately.

[43] The duration of activities indicated in Figure 7.1 is approximate, based on information currently available. To finalise the durations, further development of the Project construction programme will take place throughout 2015. As part of this process, Horizon will consider what site working hours would be required to meet the programme, including the possibility of extended working hours and, if necessary, 24 hour shift working. Any activities carried out during these extended working hours would comply fully with additional environmental restrictions related to work outside normal hours that may be stipulated in the consenting conditions for construction, such as reduced noise limits, lower lighting levels and limits to traffic movements. The operational life of the Power Station is anticipated to be 60 years. Decommissioning will commence after this.

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Enabling Works stage

Approach

7.4 The Enabling Works are a series of works programmed to commence prior to the Main Construction stage. They are needed to prepare the Wylfa Newydd Development Area for the construction of the Power Station in order to ensure commissioning and generation of first power in the first half of the 2020s.

7.5 During the Enabling Works stage, there would be various site clearance works, site preparation and construction activities within the Wylfa Newydd Development Area. It would also include the construction of the Power Station Access Road, which would connect the Power Station Site (and wider Wylfa Newydd Development Area) to the A5025 to the south of Tregele (shown in Figure 7.2).

7.6 In readiness for the Main Construction stage, levelled areas would need to be prepared to allow for the establishment of construction compounds within the Wylfa Newydd Development Area (recognising that there is insufficient space within the Power Station Site). For the construction of key elements of the Power Station, Horizon plans to create large construction compounds and has identified potential areas that would be needed to the south and east of the Power Station Site. There would also be a need for several other additional construction compounds elsewhere in the Wylfa Newydd Development Area, to support specific parts of the Project such as the construction of the CW Outfall at Wylfa Head and Temporary Worker Accommodation that may be required. Levelling would commence in the Enabling Works stage and some construction compounds would be required to support these activities, with the remainder of the construction compounds becoming operational during the Main Construction stage.

Key Activities – Wylfa Newydd Development Area

7.7 The following activities, which are largely settled, would need to take place as part of the Enabling Works stage within the Wylfa Newydd Development Area before the Main Construction stage of the Power Station can start:

- Site surveys and geotechnical investigation – a programme of survey and investigative work is underway to inform site preparation, clearance and demolition activities as well as to inform the design of the Power Station;
- Diversion of existing services – there are a number of service diversions necessary, to be completed by statutory undertakers such as National Grid, Scottish Power Energy Networks, Scottish Power Manweb, British Telecom and DCWW;

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- **Installation of construction site boundary fence** – a construction site boundary fence is required to delineate the Main Construction activities and to provide a safe working area. Although the precise line of the construction site boundary fence cannot be confirmed until the extent of earthworks and landscaping is finalised, it would encompass the majority of the Wylfa Newydd Development Area, including the Power Station Site and construction compounds, which would include site offices, as a minimum;
- **Closure of Cemlyn Road** – the road from Tregele to Cemlyn Bay (the Cemlyn Road) would have to be permanently stopped up at an early point during the Enabling Works stage, for safety reasons. An alternative route to Cemlyn Bay is available via Nanner Road and this would be enhanced as part of the Wylfa Newydd Project (refer to Chapter 8 for further information);
- **Closures and diversions of public rights of way** –public rights of way[44] that would be affected by the Wylfa Newydd Project, including the Wales Coast Path, would have to be either partially or fully closed. Alternative options for new rights of way are described in Chapter 8;
- **Demolition of buildings** – controlled and supervised demolition and removal of existing buildings and dwellings has commenced, including the demolition of a number of unsafe structures. Full completion of demolition works is expected by autumn 2016;
- **Ecological, environmental and general site clearance** – existing vegetation, structures, and hedgerows on the Power Station Site and within parts of the Wylfa Newydd Development Area will need to be cleared. This would be preceded by the mitigation/translocation of protected species to suitably prepared locations within the Wylfa Newydd Development Area, as well as Off-Site, in order to protect and enhance local biodiversity;
- **Construction of haul roads** – a number of temporary haul roads would be established across the Wylfa Newydd Development Area to enable movement of the construction workforce, plant and materials;
- **Site levelling** – areas within the Wylfa Newydd Development Area would need to be excavated, potentially requiring the use of blasting, for site preparation and clearance. Excavated material would be moved via haul roads to create landscaping mounds and level platforms on parts of the Wylfa Newydd Development Area;

[44] Public rights of way are highways that allow the public a legal right of passage, including public footpaths and bridleways.

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- **Land drainage and watercourse management measures** – in changing the topography and surface characteristics of the Wylfa Newydd Development Area, land drainage and watercourses would be subject to alterations. These would be designed to secure land stability and incorporate appropriate mitigation for any significant environmental effects that may be predicted as part of the EIA work; and
- **Provision of water supply and sewerage infrastructure** – there would be a requirement for water supply for construction processes, as well as potable water supply and sewerage capacity to meet the needs of the construction workforce.

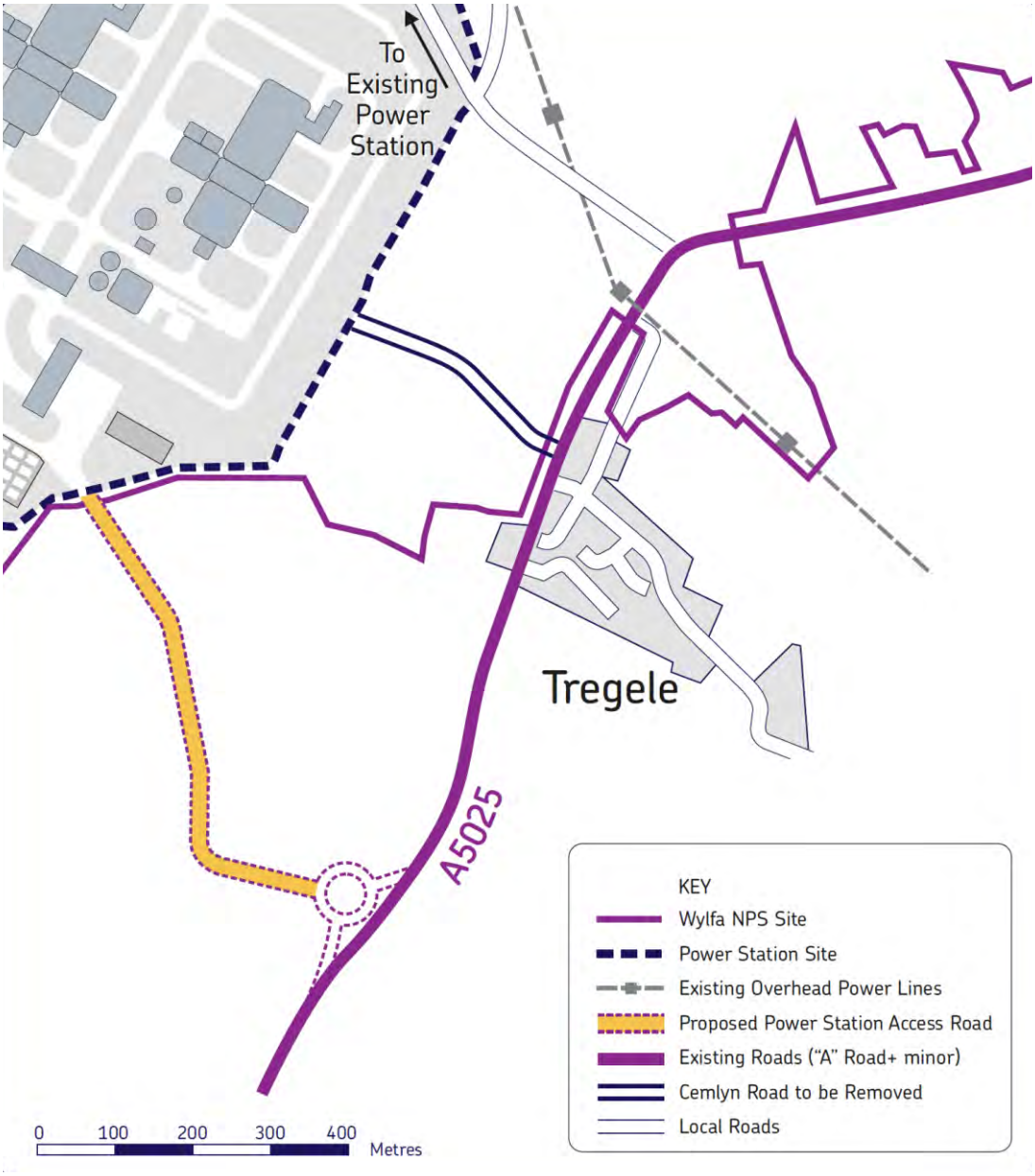
7.8 A small temporary landing facility may also be constructed close to the shore at Porth-y-pistyll in readiness to handle initial deliveries of materials by sea while the MOLF is under construction. Some dredging of Porth-y-pistyll would be necessary to facilitate deliveries to this landing facility and, if it is required to support construction activities, further details will be provided at the Stage Two pre-application consultation.

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Power Station Site Access

7.9 Horizon intends to create a new Power Station Access Road to permanently connect the A5025 to the Power Station Site, as well as provide access to the wider Wylfa Newydd Development Area for Main Construction activities. This road would be available at the start of the Main Construction stage. The likely route for the Power Station Access Road, which can be seen on Figure 7.2, would leave the A5025 just to the south of Tregele so that construction freight traffic using the Designated Freight Route (see Figure 10.1 in Chapter 10) would turn off before reaching the settlement. This aspect of the Wylfa Newydd Project is largely settled.

Figure 7.2 Power Station Access Road



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7.10 The creation of the Power Station Access Road would also include the formation of a mound, to be landscaped to include native trees, which would provide Tregele with visual and noise screening from the Power Station and associated construction activities in the Wylfa Newydd Development Area. The timing and form of this mound and landscaping would be developed following this Stage One pre-application consultation.

Horizon is keen to receive feedback from consultees in relation to the preferred position of the Power Station Access Road junction along the A5025, to the south of Tregele.

Wylfa Gateway Complex

7.11 The existing Wylfa Sports and Social Club, which is supported by Magnox Limited, would need to be relocated from their existing premises during the Enabling Works in order to ensure continuity of the sports and social club. Horizon is planning to provide similar facilities in new premises at the Wylfa Gateway Complex. The position of the Wylfa Gateway Complex within the Wylfa Newydd Development Area is shown in Figure 2.2 and further information about longer-term options for sports and social facilities is provided in the Community Facilities section of Chapter 11.

Key Activities – Off-Site

7.12 In order to support the Main Construction stage activities at the Power Station Site, there is a need to deliver a number of highway improvements. These activities are likely to be limited to on-line and off-line highway improvements to the A5025 between Valley and Wylfa to make the road more suitable to accommodate anticipated increases in construction traffic using this route. Horizon is engaging with IACC to consider the most appropriate means of delivering such minor highway improvements.

7.13 Built facilities needed in readiness to support construction of the Power Station are currently anticipated to comprise the following:

- Park and Ride facilities;
- At least one Logistics Centre; and
- Off-Site Temporary Worker Accommodation.

7.14 These facilities are described in further detail in Chapter 10. Their construction would be scheduled to start in advance of the Main Construction stage, to ensure that they were available to support the main construction activities.

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Likely Environmental Effects

7.15 Activities associated with carrying out the Enabling Works are likely to create the following key adverse and beneficial environmental effects (both temporary and permanent), which have been identified using information about potential impacts contained within the topic chapters of the PEI Report:

- Increased noise, dust and vibration as a result of construction works, potentially including blasting activities, as well as traffic generation. This may affect nearby residents, sensitive ecological species and recreational amenity in areas near to the Enabling Works;
- General disruption of public rights of way as well as a reduction in amenity for non-motorised users due to diversions, closures and reconstruction of new routes;
- Alterations to the landscape and coastline, resulting in the loss of established character-forming features (such as woodland), changes in existing views and the visual perception;
- Loss or fragmentation of marine and terrestrial habitats, leading to disturbance of important species such as birds, fish and mammals and reductions in their breeding, foraging and roosting potential;
- Increases in road and marine based transportation from the movement of construction materials and general construction waste, resulting in the potential for severance along highway and/or maritime routes, journey delays, and localised air quality impacts associated with vehicle pollutants;
- Generation of a requirement for temporary and substantial numbers of construction workers, and increased use of local supply chains, representing investment in the local economy. This has the potential to deliver benefits by increasing local job opportunities but is also likely to require in-migration of workers, which could increase demands placed on existing services such as public transport, leisure and utilities;
- Disturbance to the historic environment through removal of known and unknown archaeological remains and deposits. Likely impacts could also include perceptible changes in views from built heritage assets and features such as Listed Buildings and Cestyll Garden, and alterations to their essential setting;
- Changes to existing hydrological regimes through pollution or contamination of surface waters, marine water and groundwater, the alteration of water levels and drainage patterns and loss of floodplain;

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- Alterations to existing sediment transport regimes, resulting in increased erosion and deposition at certain sites and locations, which could potentially degrade ecological habitats and water quality and affect geomorphology; and
- Physical and chemical changes to existing soil resources, potentially resulting in degradation of their drainage characteristics, agricultural quality and overall workability.

Mitigation Measures

7.16 The preliminary outcomes of the EIA process are being used to help identify, develop and shape appropriate mitigation measures for incorporation in the Enabling Works stage of the Wylfa Newydd Project. The topic chapters of the PEI Report provide fuller details of potential mitigation measures appropriate to the broad types of potential impacts, which have informed the likely environmental effects noted above.

7.17 Mitigation of likely significant adverse effects would be delivered through the development and implementation of the Enabling Works in accordance with Environmental Management Plans (described later in this Chapter) and the recommendations of the EIA process, as well as through the creation of a Landscape and Biodiversity Masterplan. The Landscape and Biodiversity Masterplan would incorporate appropriate avoidance, retention, mitigation and enhancement measures for features of acknowledged value and importance, such as ecological habitats (refer to Chapter 3 for key environmental features; and Chapter 8 for further details relating to landscaping).

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Main Construction stage

Approach

7.18 Following sufficient progress of Enabling Works, the Main Construction stage of the Wylfa Newydd Project would commence, starting with the construction of the first generating unit. These main construction activities would run concurrently with the continuation of Enabling Works to prepare for construction of the second generating unit. The activities at the Wylfa Newydd Development Area during this stage are presented in three elements:

- Final levelling and deep excavations to form working platforms for construction of the main foundations of the Power Station;
- Main civil construction activities (including reinforced concrete foundations, building sub-structure and super-structure, Power Station Site roads, mechanical and electrical installation) and construction and non-active commissioning of each generating unit; and
- Complete construction and active commissioning of each generating unit and site finishing.

7.19 The Main Construction works are likely to require some further site levelling, blasting and deep excavations for the foundations of the Power Station. In combination with the Enabling Works, these construction activities are expected to give rise to around 10 million cubic metres of excavated material. Much of this excavated material will be needed within the Wylfa Newydd Development Area to create an appropriate landscape setting for the Power Station as well as to provide mitigation for predicted visual and noise impacts. Chapter 8 introduces the approach proposed in order to achieve this. Utilising the material in this way also means the need to transport substantial volumes of excavated material Off-Site for disposal (which would result in significant additional vehicle movements) would be considerably reduced.

7.20 The Main Construction stage is anticipated to last for approximately nine years. Construction activities would form a significant temporary feature in the local landscape, extending across the Wylfa Newydd Development Area. Some of the plant and equipment necessary for construction within the Power Station Site itself would remain close to the activities it supports; and there would be a requirement for large construction compounds adjacent to the Power Station Site as the focus for fabrication, laydown, site offices, parking, welfare, concrete batching plant and other construction facilities for the construction of the Power Station. Horizon has identified potential locations for these compounds, which are shown in Figure 7.4. Further information about the potential locations, equipment and functions of these construction compounds for the Power Station is provided later in this Chapter.

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7.21 The changing requirements of the construction programme throughout the Main Construction stage (i.e. the types of materials used and activities being conducted at any one time) would determine what needs to be accommodated, when and where; however, the logistical requirements of getting materials to the Power Station Site and storage considerations, coupled with the environmental impacts of the construction activities, require careful management. Figure 7.1 provides an indicative sequence, but much of the detail of the construction programme will be further developed following this Stage One pre-application consultation process. Consequently, the proposals described here are based on broad assumptions and represent Horizon's latest thinking on how to meet construction requirements.

Key Considerations for Main Construction Requirements

7.22 Horizon must comply with the Office for Nuclear Regulation requirements in respect of the construction of the Power Station and has also taken the following key considerations into account in developing an approach for accommodating the likely requirements of the Power Station Main Construction stage:

- A desire to minimise and consolidate the amount of land required for the construction;
- The need to enable efficient delivery of materials, plant and equipment to the construction compounds from both the MOLF and the highway network;
- The need to consider sustainable construction and implementation of an Environmental Management Plan, including factors such as best practice for pollution control, sustainable drainage systems and the storage and stockpiling of soils for use as part of the Wylfa Newydd Project; and
- The need to consider environmental and site constraints emerging from the EIA work (refer to the PEI Report for more details).

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Key Activities – Wylfa Newydd Development Area

7.23 Figure 7.3 provides an image of the construction of a similar nuclear power plant, to provide an indication of the likely scale of the activities that would take place at the Power Station Site during the Main Construction stage.

Figure 7.3 Indicative Image of a Construction Site



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Final Levelling and Deep Excavations

7.24 The finalisation of site levelling works, deep excavations and formation of level working platforms would be required to enable the construction of initial foundations for the Power Station. This element of the Main Construction would progress quickly into earthworks and deep excavations within the Power Station Site. The earthworks would follow promptly from the site preparation works in the Power Station Enabling Works stage to ensure that stripped areas are not left exposed to the elements for longer than absolutely necessary. During this period of the Main Construction stage, significant changes in the landscape would become noticeable as the Power Station Site evolves progressively into levelled construction areas using a combination of excavation and rock-blasting.

7.25 Excavated material not required within the Power Station Site would be needed to form the mounds that would be part of the temporary and permanent setting and acoustic and visual screening for the Power Station, extending around the Power

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Station Site within the Wylfa Newydd Development Area. The mounds would be incorporated into a wider Landscape and Biodiversity Masterplan combining habitat creation and enhancement works across the Wylfa Newydd Development Area as part of this element of the Main Construction stage.

7.26 Temporary buildings of varying sizes (ranging from temporary cabin type structures to industrial style storage buildings, as often seen on retail parks) would become increasingly evident across the Wylfa Newydd Development Area as activities and the amount of workers involved in the construction increase. Temporary and permanent lighting would be needed and parts of the Wylfa Newydd Development Area would be temporarily surfaced, including limited areas of parking for mobile plant and cars.

7.27 Dependent upon the development of the Worker Accommodation Strategy (refer to the Worker Accommodation Strategy in Chapter 10 for details), there may also be a need to provide limited Temporary Worker Accommodation in the Wylfa Newydd Development Area.

7.28 In order to support the Main Construction stage of the Wylfa Newydd Project, there would be a need to accommodate the following within the Wylfa Newydd Development Area:

- Construction compounds for the Power Station, including land for:
  - Large temporary fabrication areas;
  - Large temporary buildings for fabrication and storage of plant and equipment;
  - The storage and stockpiling of materials;
  - Site office, welfare and registration facilities for construction site staff and workforce;
- Several additional construction compounds for specific Main Construction activities (e.g. the CW Outfall);
- Internal access roads and circulation routes;
- Main plant and equipment, including:
  - Temporary concrete batching plant, consisting of several cylindrical tanks and silos, concrete pumping stations, materials storage bins, HGV loading gantries and batching plant;
  - Temporary cranes and lifting equipment, including very heavy lift cranes, a number of fixed position tower cranes per generating unit and large mobile cranes (including fixed jib crawler cranes and telescopic jibs) at any one time;

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- Temporary mobile plant, large-scale for the earthmoving works, painted to be highly visible in the interests of safety; and
- Fuelling depot, consisting of several large bunded tanks.

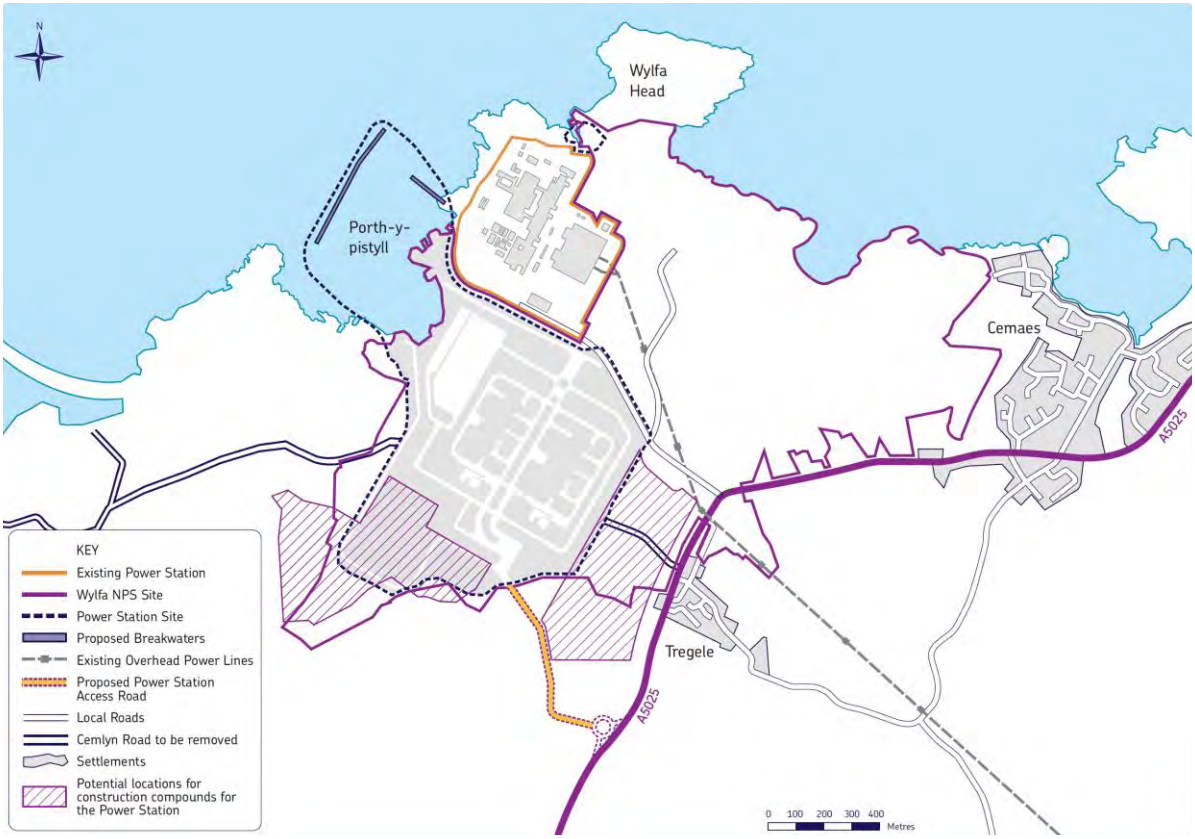
7.29 The construction compounds are likely to be within a fenced area, to ensure the safety and security of the workforce and members of the public.

7.30 Horizon has considered a number of potential locations for the construction compounds for the key elements of the Power Station. In order to optimise the use of available space and maximise efficiencies in the construction of the Power Station, Horizon considers that land immediately to the south and east of the Power Station Site (see Figure 7.4) would represent a good fit with the key considerations outlined previously for a number of reasons, including the following:

- Proximity to the Power Station Site, proposed location for the MOLF (at Porth-y-pistyll), and Power Station Access Road (off the A5025) minimising transfer distances from these facilities and areas;
- Consolidation of the Main Construction activities for the Power Station, allowing for contiguous construction compounds that enable efficiency of land use and site management;
- Providing specific focal points of construction activities for the Power Station and associated sources of potential environmental impacts (e.g. noise, dust, visual intrusion); and
- Reducing interaction and potential interference with the planned decommissioning activities at the Existing Power Station.

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Figure 7.4 Potential Locations for the Construction Compounds for the Power Station



7.31 In addition to the construction compounds for the Power Station, there would be requirements for a number of other construction compounds for elements of the Project within the Wylfa Newydd Development Area, such as the CW outfall and, if required, Temporary Worker Accommodation. Horizon intends to further develop proposals for accommodating these construction requirements, which will form a key driver in determining the proposals for the phasing of landscaping within the Wylfa Newydd Development Area, and details will be provided at the Stage Two pre-application consultation. This work will consider the use of all land within the Wylfa Newydd Development Area, drawing on environmental assessment findings and reviewing the way in which proposals may interact with sites designated for particular environmental characteristics, such as the Tre'r Gof and Cae Gwyn SSSIs and Cestyll Garden (refer to Chapter 2). As part of this development work, discussions are also ongoing with the Existing Power Station operators to explore opportunities for the re-use of any areas as they become available during the planned decommissioning.

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Main Civil Construction Activities

7.32 Following levelling and deep excavations, the main civil, mechanical and electrical installation for the Power Station would be undertaken.

7.33 The construction works for the CWS and breakwaters would be undertaken and the MOLF facilities would be brought into use to support the Main Construction activities. This means that significant changes would be noticeable at the Porth-y-pistyll foreshore and at the south-west of Wylfa Head, adjacent to the Existing Power Station. The CWS works would be coordinated to ensure availability of the system to facilitate the commissioning of both generating units.

7.34 The completion of these activities would enable the system testing of the first generating unit to commence, which would involve checking that the component parts of the generating unit were operating correctly prior to the introduction of fuel. Within the same timeframe, the construction of the second generating unit would be completed in readiness for commissioning to commence.

7.35 The Wylfa Newydd Development Area would evolve progressively to include the operation of the various construction compounds, all of which would need to be level, and there would be a change in overall topography and new planting and habitat creation, affecting and changing the pattern of views and vistas and recreational use of the land. Over time, increasing amounts of planting would become apparent as part of the landscaping. As and when construction compounds are no longer required, mounds and landscaping would be extended to these areas, shaping the landscape setting in accordance with the Landscape and Biodiversity Masterplan.

Completion and Commissioning

7.36 The mechanical and electrical aspects of each generating unit would be complete and a significant period of final commissioning would ensue (i.e. the final testing stages, involving fuel), resulting in the first generating unit becoming operational, followed by the second generating unit.

7.37 The permanent Power Station roads and the plant perimeter fence would be finalised. At the completion of this element of the Main Construction, the Power Station would be complete and fully operational.

7.38 Completion activities would also include the opening of the Wales Coast Path and other public rights of way on their new permanent alignments and the process of transferring back some land within the Wylfa Newydd Development Area to agricultural use (with biodiversity gain where possible) would continue.

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Likely Environmental Effects

7.39 The nature of operations associated with activities undertaken during the Main Construction stage are likely to give rise to similar types of impacts and likely environmental effects to those identified with the Enabling Works stage, with some being of a greater order and magnitude and constituting a permanent change. These impacts are detailed within the topic chapters of the PEI Report.

7.40 The introduction of new facilities within the Wylfa Newydd Development Area will represent a marked physical and visual change in the existing landscape and coastline, with the outlook gradually changing over time as construction activities intensify and new features emerge within the local environment.

7.41 Impacts associated with construction of the CWS, breakwaters and the MOLF within the Power Station Site will be principally focused around disturbance to protected species (from noise and vibration), and potential marine habitat loss (refer to Chapter 3 for the location of key ecological designations). There would also be a loss of amenity for recreational users within Porth-y-pistyll arising from the removal of public access to this part of the coast.

7.42 Disruption from noise, vibration and dust would likely occur as a consequence of operating the MOLF, particularly from the increase in marine vessel movements which would use this facility and the off-loading and transfer of materials as part of construction works for the Power Station Site.

7.43 Impacts associated with construction (and commissioning) activities within the Power Station Site would be varied. Key impacts that would likely occur comprise increases in noise and vibration, changes to the quality and composition of current available views, potential changes to the setting of heritage assets and increased demand for resources such as water. There would also be a risk of pollution of existing watercourses as a consequence of construction activities.

7.44 Construction activities during this stage would continue to increase demands for temporary and substantial numbers of construction workers, which could reach 8,500 during peak periods. This has the potential to increase local job opportunities but is also likely to require in-migration of a proportion of workers, which could increase demands placed on existing services such as public transport, leisure and utilities.

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Mitigation Measures

7.45 As with the Enabling Works, activities during this stage would be managed within the framework of specific Environmental Management Plans, adopting best practice construction and management techniques to protect environmental interests from pollution. Specific management plans would also be developed to control traffic and vehicle movements on the road network during construction as part of green travel planning for the Wylfa Newydd Project. This would also incorporate broader proposals for encouraging travel efficiency, as well as the use of sustainable transport modes by members of the workforce – further details will be developed following this Stage One pre-application consultation (refer also to Chapter 10).

7.46 The implementation of design measures within the Landscape and Biodiversity Masterplan during the Main Construction stage would also generate a perceptible change, with restorative and mitigation measures establishing and maturing during the Main Construction stage to alter impacts on the landscape and visual environment.

Environmental Management Plans

7.47 Horizon proposes to manage all Enabling Works and Main Construction activities within the framework of a series of Environmental Management Plans. These documents would set out procedures and standards for implementation of agreed environmental management actions, and would also provide guidance for on going management and monitoring procedures.

7.48 The contents of the Environmental Management Plans are likely to cover a range of matters, including:

- Details of all site-based operatives including roles and responsibilities;
- Implementation of site-based measures to control and manage the location, timing and duration of potentially disruptive operations, for example operations that could generate noise and dust emissions;
- Details of any required site-specific working methods, and method statements prescribing how they are to be undertaken;
- Identification of areas requiring environmental protection from potentially damaging or disruptive operations;
- Implementation of pollution prevention techniques and other best-practice construction methods;
- Agreed haul routes for delivery of plant, machinery, equipment and vehicles; and
- Measures detailing the procedure for handling, storage, use and disposal of construction materials and construction and demolition waste.

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7.49 Supporting the delivery of the Environmental Management Plan would be a site waste management plan[45] that would seek to manage wastes arising during the construction stage through application of the waste hierarchy (see Figure 6.10).

Full Operation stage

Key Activities

7.50 Once the Power Station is operational, the key activities would comprise the following:

- Operation of the Power Station plant and systems to result in the generation of electricity, including the cyclical abstraction and discharge of water from and to the Irish Sea via the CW intake and outfall structures; and
- Traffic generation, primarily from the operational workforce, but also including general deliveries, service and conventional waste vehicles.

7.51 Increasingly throughout the operational stage, the landscaping and biodiversity enhancement schemes in the wider Wylfa Newydd Development Area would mature and the Power Station would become a familiar feature within the wider landscape setting.

7.52 The Park and Ride facilities, Logistics Centre and Temporary Worker Accommodation are not currently anticipated to be required by Horizon beyond the completion of the Main Construction stage. Consequently, once the Power Station is fully operational, Horizon anticipates that the process of converting Associated Development sites to their agreed legacy use would need to take place. A number of options could be considered and consultees are invited to comment on the potential for the Wylfa Newydd Project to deliver legacy benefits (further information is provided in Chapter 11 of this Document).

[45] The plan to be produced to establish waste management protocols for site waste, to be incorporated into the Environmental Management Plan. The plan identifies the anticipated waste types and amounts and the means to control and use or dispose of the material in accordance with the waste hierarchy.

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Likely Environmental Effects

7.53 Operation of the facilities within the Power Station Site would likely give rise to various types of impacts, which are detailed within the topic chapters of the PEI Report.

7.54 The most likely effects arising from operation of the Power Station would be those associated with discharges, emissions and wastes. Operational plant within the facility would constitute a new source of noise and vibration, which would be different from that experienced during the Main Construction stage and may be perceptible by residents and protected species close to the Power Station Site (refer to Chapter 3 for an overview of the environmental context). Such equipment would also be a potential source of air pollution, which could increase pollutant concentrations and dust within the vicinity of the Power Station Site.

7.55 Operation of the CWS would likely result in disturbance to marine birds, fish and mammals and other protected species, and may result in the impingement of fish and large invertebrates. Restrictions on recreational activity within Porth-y-pistyll may persist during the operational period, possibly extending to the south-west of Wylfa Head. Discharges from the CWS (both heated and chlorinated) could affect local fish species and benthic habitats. Operation of the CWS in conjunction with the presence of the breakwaters could also affect sediment transportation and cause disturbance to local currents and the sea bed.

7.56 An increase in traffic on the local road network over existing conditions (i.e. pre-construction conditions) could result from journeys being made to and from the operational Power Station, lengthening travel times and altering journey ambiance for both motorised and non-motorised road users. Potential also exists for perceptible changes to noise levels and emissions derived from increased vehicle use.

7.57 Controlled discharges of radioactive waste (gaseous and aqueous) to the atmosphere and into the Irish Sea could potentially occur; however, these would be prevented and/or controlled by way of measures incorporated into the Power Station design, and through the appropriate treatment of discharges that will be regulated by Natural Resources Wales under an environmental permit.

7.58 A benefit would be realised through the creation of up to 1,000 full-time employment opportunities at the Power Station once operational, which would be supported by education and training programmes that could serve to enhance the current skills of the local population and help safeguard jobs. Approximately 1,000 additional posts would be created at the Power Station during planned periods of outage for maintenance. The operation of the Power Station would also create and support associated jobs and employment in industries such as facilities management, hospitality, leisure and retail.

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Mitigation Measures

7.59 A key driver in mitigating predicted adverse effects from operational impacts would be the application of Best Available Techniques, such as designing chimney stacks in a manner that will achieve good dispersion, and to minimise radioactive discharges at source. Other measures to be incorporated into the design would aim to achieve sensitive architectural finishes to buildings, to achieve visual integration in the landscape and reduce any long term impact on the settings of built heritage assets and historic gardens.

7.60 Other operational mitigation measures would focus on achieving compliance with environmental permit conditions, and adherence to best practice pollution prevention guidelines.

Decommissioning stage

7.61 Decommissioning of the Power Station would involve the transition of the Power Station Site to a delicensed state, such that the land becomes available for alternative uses. Decommissioning does not form part of this Wylfa Newydd Project. The actions required would equate to a large and complex deconstruction project, commensurate with the scale of the Main Construction activities, and typically include:

- Defueling of the nuclear reactors;
- Removal of all materials used in operational plant, systems and facilities;
- Removal and disposal of radioactive and hazardous materials to Off-Site disposal or designated storage within the Power Station Site;
- Demolition of buildings and structures;
- Transfer of stored ILW and Spent Fuel to GDF; and
- Delicensing of the Power Station Site (so that it is not a Nuclear Licensed Site) to allow for alternative uses in the future.

7.62 Horizon's strategy for decommissioning is under discussion with the relevant regulators and will be subject to further development work, monitoring and review as the Wylfa Newydd Project evolves.

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Likely Environmental Effects

7.63 It is likely that any environmental effects generated as a consequence of decommissioning activities would be comparable to those predicted to occur within the Enabling Works and Main Construction stages.

7.64 Although detailed assessment would be undertaken at the time of decommissioning in accordance with the requirements of the prevailing environmental legislation, Horizon is currently evaluating the likely requirements and procedures involved with decommissioning to incorporate appropriate measures in the emerging design to help facilitate this future stage.

Land Ownership and Future Land Requirements

7.65 Land ownership issues are considered in the context of the Wylfa Newydd Development Area, and land within Off-Site areas required for developments that will support the Main Construction activities, including Associated Development.

Wylfa Newydd Development Area

7.66 With the exception of the elements of the Wylfa Newydd Project within the marine environment, Horizon has already secured adequate rights in respect of the land within the Wylfa Newydd Development Area. Horizon believes that, subject to ongoing discussions with the Crown Estate and the Nuclear Decommissioning Authority, it will have sufficient land within its control to develop the Power Station, although this will need to be kept under review as the Wylfa Newydd Project proposals develop.

Off-Site Areas

7.67 The Road Transport Proposals and Site Identification sections in Chapter 10 outline the potential locations that Horizon is considering for the siting of certain uses needed to support the construction of the Power Station. Sites emerging as potential options for Park and Ride facilities, Logistics Centres and Temporary Worker Accommodation would need to be owned or controlled by Horizon.

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8 Landscape and Appearance

8.1 This Chapter sets out the way in which Horizon aims to manage the visual and physical impact of the Power Station buildings and structures on the landscape. It reflects the need for Horizon to create an appropriate landscape setting as part of the Power Station development that will accommodate the construction requirements and operational needs of the Power Station, as well as mitigate the likely landscape and visual impacts (described in more detail in Chapter 19 of the PEI Report). A general approach and indicative landscape proposal is presented, which seeks to integrate landscaping and mitigation of environmental impacts with the utilisation of the excavated material that would arise during the Enabling Works stage and the early part of the Main Construction stage.

8.2 This Chapter presents the key considerations and principles for landscape and appearance and introduces the different high level architectural concepts that Horizon could adopt for the Power Station. Horizon intends to incorporate the landscape design into an overall Landscape and Biodiversity Masterplan, the draft principles of which are also presented within this Chapter.

Horizon is keen to hear views on the core principles for the landscape design, the potential architectural concepts for the Power Station buildings and structures, the indicative landscape proposal and the draft principles for the Landscape and Biodiversity Masterplan. This includes commenting on the options relating to the types of public rights of way that could be created within the Wylfa Newydd Development Area and the way in which different parcels of land may be used during the Main Construction stage.

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Approach to creating a landscape setting for the Power Station

8.3 The Existing Power Station is an established part of the setting to the north of the Power Station Site (see Figure 8.1). However, the wider landscape is more rural in character with few areas of intensive built development. In addition, a small part of the western margins of the Wylfa Newydd Development Area lies within the Anglesey AONB (refer to Chapter 3).

Figure 8.1 Aerial view of the existing landscape



8.4 The size of the Power Station footprint and the scale and height of the main Power Station buildings and structures mean that it will be visible from some distance beyond the Wylfa Newydd Development Area. Opportunities to interrupt or direct views of the development exist, particularly the potential to use mounds and landscaping to reflect the existing rolling landform of drumlins. There is also the opportunity to reflect the landscape setting of the Existing Power Station, which includes the landscape mounds designed by award winning landscape architect, Dame Sylvia Crowe.

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Key Considerations for Landscape and Appearance

8.5 The scale of the Power Station buildings, structures and infrastructure has the potential to change the local landscape substantially. The management plan for the Anglesey AONB[46] acknowledges the potential for a new nuclear power station at Wylfa. It also states that development within and adjacent to the boundary of the Anglesey AONB must be compatible with its aims and that new development should seek to reflect the traditional character of Anglesey. The AONB designation means that particular care and attention must be taken to ensure that the proposals do not have an unacceptable adverse effect upon the characteristics that led to its designation. Because of this, Horizon needs to give careful consideration to the way in which the Power Station is developed within the Wylfa Newydd Development Area and incorporated into the surroundings.

8.6 In addition to the AONB, the following designated sites, existing characteristics of the local landscape and other features must be taken into account in generating proposals for the landscape setting and appearance of the Power Station (refer to Chapter 3):

- European Designated Sites, which include Special Areas of Conservation, Special Protection Areas, Ramsar sites, candidate Special Areas of Conservation and potential Special Protection Areas;
- Proximity to Cemlyn Bay, which is protected by Special Area of Conservation, Special Protection Area and SSSI designations;
- SSSIs, including Tre'r Gof and Cae Gwyn;
- Cestyll Garden (Grade II listed on the Register of Landscapes, Parks and Gardens of Special Historic Interest in Wales);
- North Anglesey Heritage Coast (non-statutory designation, managed as part of Anglesey AONB);
- The North Anglesey Special Landscape Area;
- Watercourses subject to Water Framework Directive[47] protection;
- Existing landscape and seascape character;
- The Existing Power Station and access road;
- Existing local communities, particularly at Tregele and Cemaes; and

[46] The Isle and Anglesey Area of Outstanding Natural Beauty (AONB) Management Plan 2009 - 2014.
[47] Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for the Community action in the field of water policy.

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- Existing land uses including public footpath and recreational networks such as the Wales Coast Path, the Copper Trail, the existing road network, agricultural activities and neighbouring development.

Core Principles for Landscape Design

8.7 Horizon has taken the key considerations outlined above into account in developing the following core principles for the landscape design of the Power Station:

- Creating a landscape setting for the operational Power Station that reflects the existing landscape character in conjunction with an appropriate architectural design;
- Accommodating the temporary requirements for the construction, including construction compounds and additional areas for laydown and fabrication;
- Efficient use of natural resources, for example by sourcing materials for landscaping from within the Wylfa Newydd Development Area in order to deliver suitable noise and visual screening to local communities;
- Integrating mounding of excavated material into an overall Landscape and Biodiversity Masterplan for the Wylfa Newydd Development Area that achieves an appropriate solution to balance potential environmental impacts and incorporates mitigation and enhancement measures for features of biodiversity value; and
- Considering opportunities to return land to sensitively managed agricultural uses, with new field boundaries reflecting the pattern of existing boundaries where possible.

Creating a Landscape Setting

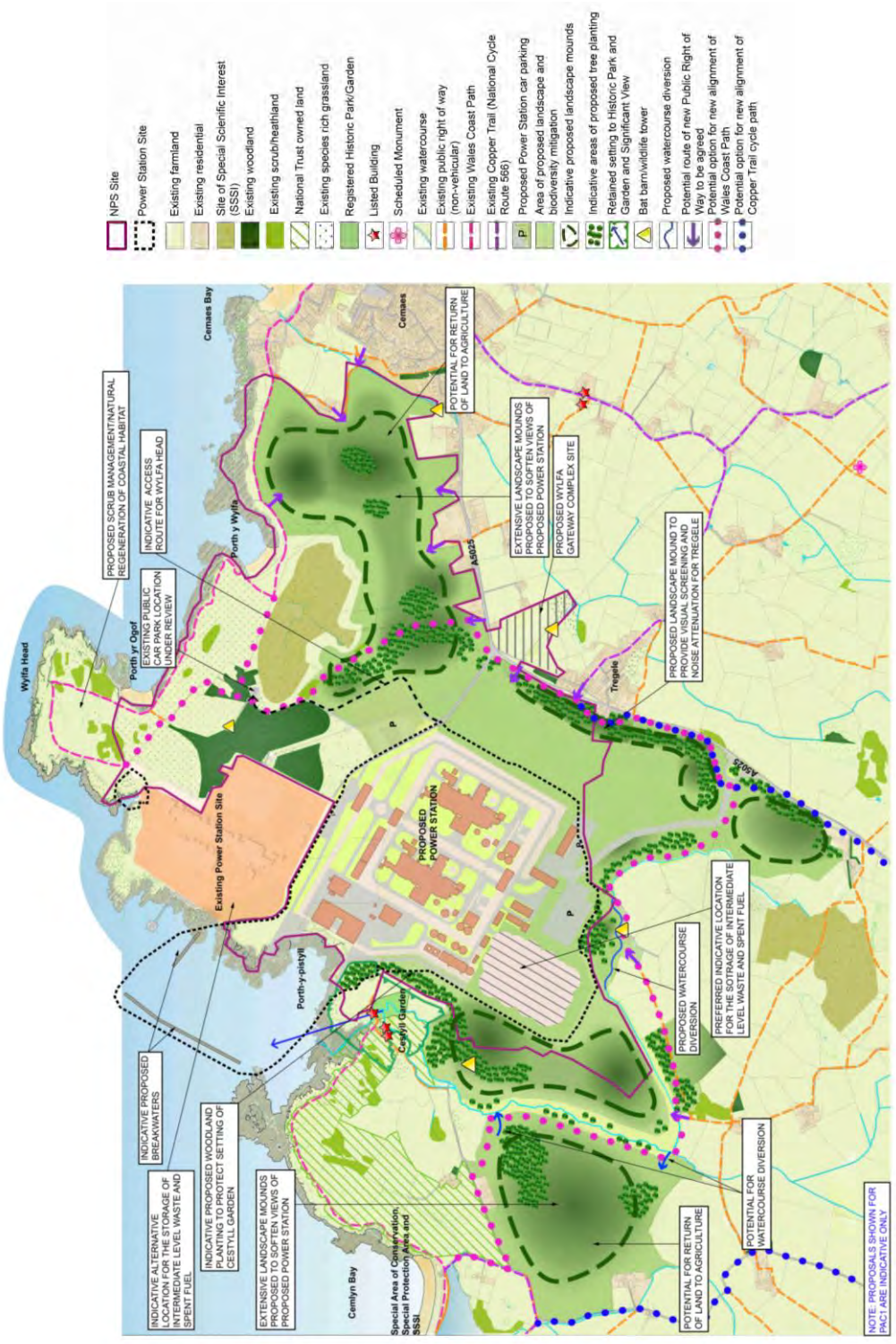
8.8 A significant proportion of the excavated material generated during the Enabling Works and Main Construction stages would be used to form the level areas needed for the Power Station building platform and levelling the construction compounds. An indicative landscape proposal has been developed that needs to use the vast majority of remaining excavated material to create a landscape setting for the Power Station that provides visual and noise screening for mitigation, as well as incorporating areas for biodiversity features.

8.9 The general approach to creating an appropriate landscape setting would be the formation of mounds within the Wylfa Newydd Development Area, which would use excavated material, and this aspect of the Wylfa Newydd Project is largely settled. An indicative proposal has been developed that would result in the introduction of typically rounded, gently sloping mounds that would be landscaped to create features similar in form and height to the existing drumlin landscape. These mounds would be formed in a number of different locations within the Wylfa Newydd Development Area, in the most effective arrangement to reflect the

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surrounding landscape and incorporate noise and visual screening to local communities. The main areas of mounds are indicated to the south, east and south-west of the Power Station Site, as shown in Figure 8.2

Figure 8.2 Indicative Landscape Proposal



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8.10 The precise form of the mounds is still being developed, but would take into account environmental conditions (refer to Chapter 3), the need to construct the Power Station Access Road from the A5025 and the feedback from consultees responding to this consultation. It is envisaged that the final proposals would be phased. It will be very important for the phasing of the landscaping proposals to be coordinated with the changing requirements of the Main Construction activities, to ensure that sufficient level construction compound areas are available throughout the Main Construction stage (refer to Chapter 7).

Horizon is keen to receive comments about the different ways in which Horizon may propose to use the land in the Wylfa Newydd Development Area during the Main Construction stage.

8.11 As part of the landscaping proposals, the mounds would be planted to reflect existing flora and fauna with typical local vegetation including hedgerows, native trees and shrubs. A number of locations could also be developed specifically to enhance local biodiversity value, building on existing Horizon initiatives including the installation of bat boxes, erection of a wildlife tower and creation of a small pond. Public rights of way would be designed to allow access into the Wylfa Newydd Development Area once land is no longer required for construction activities and there is the potential for some areas to be returned to agricultural use in the longer term. There are therefore a number of options in relation to the type of landscaping and planting that could be undertaken and the sorts of recreational opportunities that might be incorporated and further information about these options is provided later in this Chapter.

8.12 The majority of slope gradients that would be required to achieve the indicative landscape proposals would be around 1:6 gradient, which is steeper than the general gradients that are present within the existing landscape. The PEI Report provides a series of images to help visualise how this type of slope might relate to the existing landscape. These images are indicative and have been produced by superimposing the basic form of the Power Station buildings and structures and indicative landscaping onto a series of photographs.

8.13 The indicative landscape proposal presented in Figure 8.2 is based on around 10 million cubic metres of excavated material and takes into account the anticipated requirements for use of materials within the Power Station Site. Horizon is undertaking work to explore the likely nature and characteristics of material that would be excavated from the Wylfa Newydd Development Area. This will help Horizon to understand how densely it might pack down during mounding activities and whether there is scope to use some of the excavated material in constructing marine structures such as the proposed breakwaters.

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8.14 If further work indicates that there will be more excavated material than currently anticipated, Horizon recognises that in order to achieve an efficient use of natural resources within the Wylfa Newydd Development Area, the indicative landscape proposal may have to be adapted. This would require a review of the use of land across the Wylfa Newydd Development Area, including designated areas such as the Tre'r Gof SSSI and Cestyll Garden. The detailed proposals will depend, in part, on the recommendations that emerge from the EIA process and a satisfactory balance must be achieved between accommodating the construction requirements and managing environmental effects. Consideration may also need to be given to transporting some excavated material Off-Site and the potential opportunities and implications of using sea and road-based modes in order to achieve this would need to be understood. A combination of these two actions could be implemented as well and Horizon anticipates providing further details at the Stage Two pre-application consultation.

Question 5

Do you have any comments on Horizon's indicative landscape proposal?

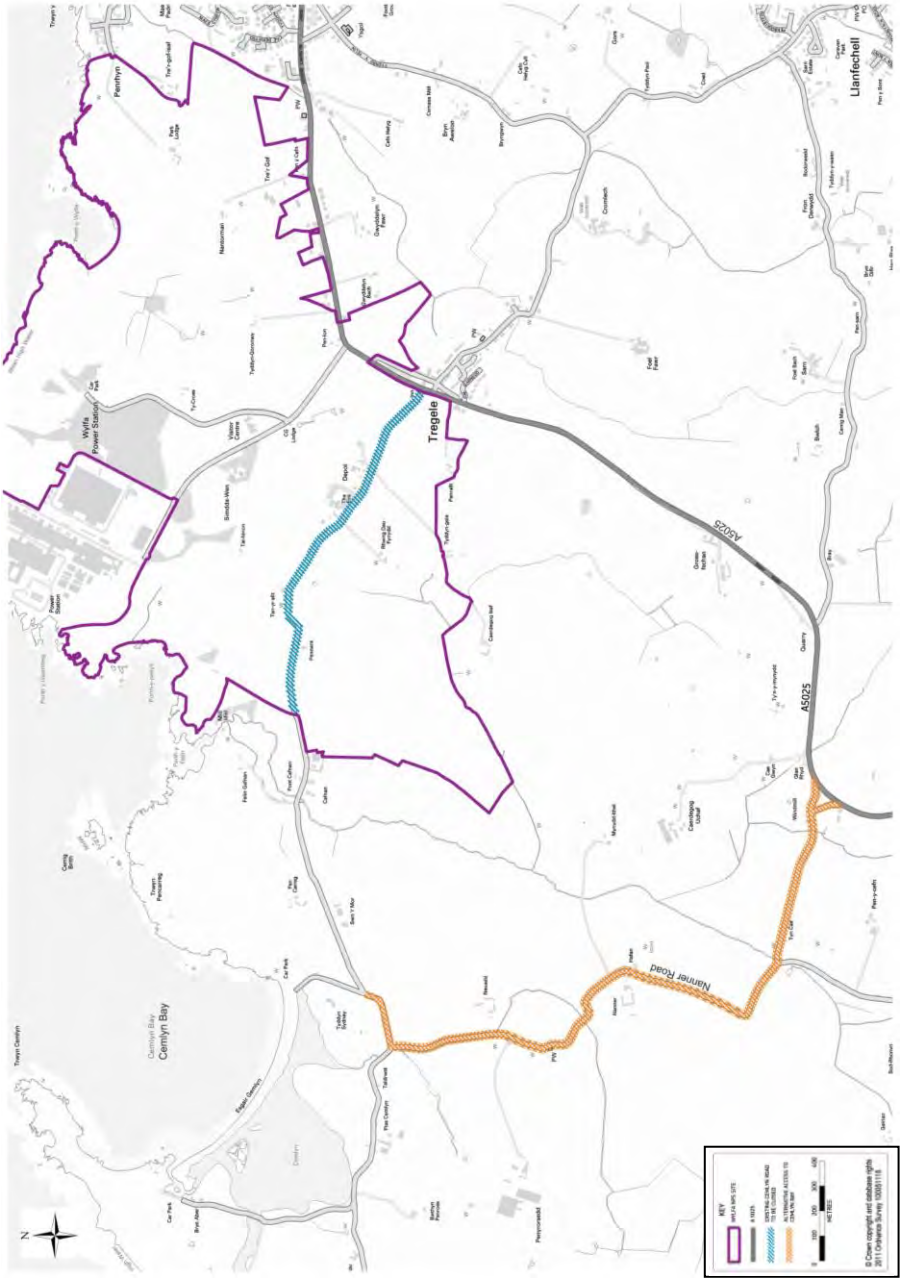
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Effect of Landscape Changes on Cemlyn Road

8.15 The footprint required for development of the Power Station means that the Cemlyn Road would need to be permanently closed between the A5025 and the property known as Cafnan.

8.16 Horizon proposes to make some highway improvements to Nanner Road in order to ensure that access between Tregele and Cemlyn Bay would be maintained following the closure of Cemlyn Road. This element of the Wylfa Newydd Project is largely settled. This is shown in Figure 8.3.

Figure 8.3 Nanner Road Route



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8.17 Improvements to Nanner Road are likely to consist of carefully designed widening where there are sharp turns and other pinch points in the existing road and the introduction of additional or longer passing places along the road. This approach is considered to enhance the free movement of vehicles along Nanner Road whilst maintaining as much as possible of the existing character of the road, which is flanked by hedgerows and abuts fields currently in agricultural use. Options exist for the potential location of passing points along the road, whilst maintaining visibility between the passing bays along the length of Nanner Road. This would reduce the overall amount of roadside habitat and hedgerows that may be lost to construction activities when compared to alternatives, such as widening the full length of the road.

8.18 The Copper Trail (National Cycle Route 566) is currently routed along the section of Cemlyn Road that is proposed for closure. A diversion of the Copper Trail route would therefore need to be provided, with one possibility being to re-route it along Nanner Road. Careful consideration would need to be given to the potential for conflict between vehicle drivers and cyclists, for example, linked to overall road width and visibility. As stated above, widening along the full length of Nanner Road is not currently proposed; however, if either additional widening or the creation of new segregated route for the Copper Trail were favoured, for example in the interests of user safety, then this would potentially impact upon roadside habitat and hedgerows, as well as encroach onto agricultural land. Consultees are invited to comment on preferences for diverting the Copper Trail.

Horizon welcomes feedback from consultees on the highway improvement proposals along Nanner Road and suggestions for diverting the Copper Trail cycle route.

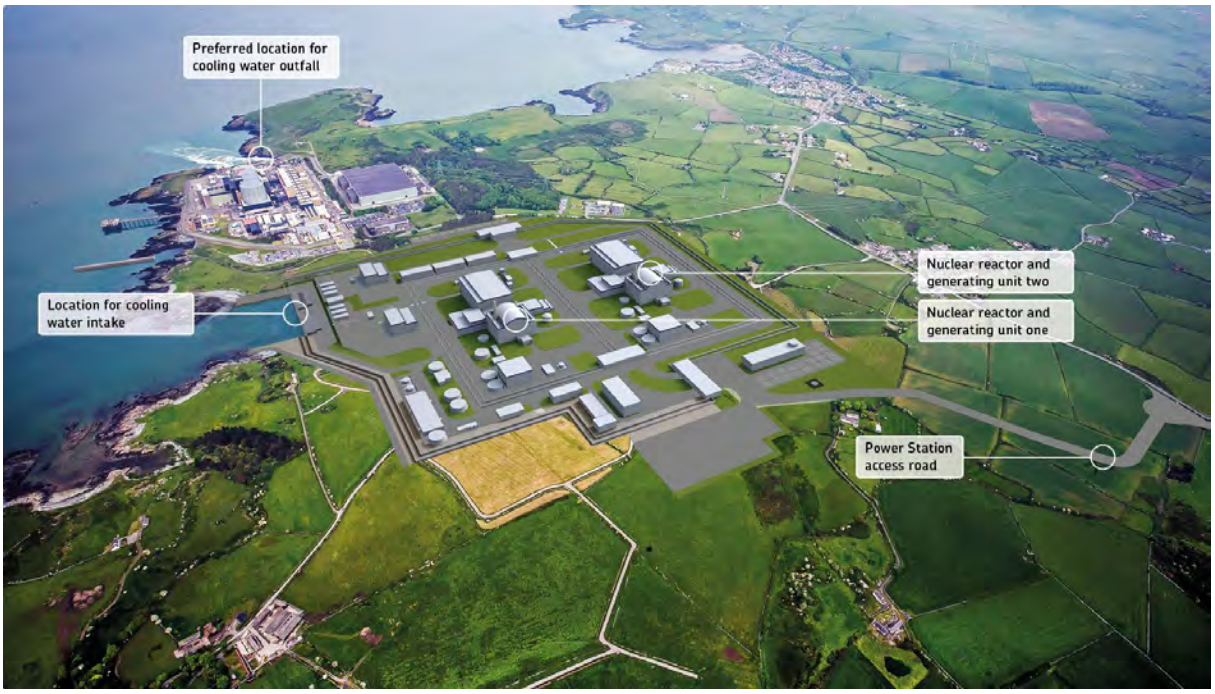
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Architectural Principles

8.19 The Power Station itself would become a significant feature within the local landscape. To date, Horizon has developed proposals for the basic form of the Power Station buildings and structures, which is largely settled, but has yet to determine its approach to the architectural design and detailing. As such, a number of options are open to consideration.

8.20 Figure 8.4 provides a visualisation of the Power Station in situ developed using a three dimensional model of the Power Station buildings and structures. This photomontage has been developed to show the basic form and scale of the Power Station (which for illustrative purposes only is shown here shaded grey). It is depicted within the setting formed by the existing landscape to assist in allowing the scale of the Power Station buildings and structures to be contextualised; however, it should be noted that the surrounding parts of the Wylfa Newydd Development Area would be the focus of landscaping proposals and will therefore also be important in shaping the overall appearance of the Power Station.

Figure 8.4 Visualisation of the Basic Form of Power Station Buildings and Structures



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8.21 There are three main concepts that could be adopted for designing and detailing the structures and buildings in and around the Power Station:

- **Blend in**: this concept would seek to use natural colours and materials to minimise the prominence of the Power Station in the landscape. For example, the colours of external cladding for parts of the Existing Power Station were designed to respond to natural colours present in the surrounding landscape; or
- **Make a bold statement**: this concept would use architectural detailing, bold colour and contemporary materials that contrast with the surrounding environment to create buildings designed to become distinctive and highly visible new features in the landscape; or
- **Selective use of bold architecture**: this concept would combine the two approaches above by selecting certain buildings that could be designed to be prestige, landmark structures celebrating the engineering achievement of the Power Station. These would contrast with other buildings, which could be designed to blend in as far as possible. Similarly, it is possible that an individual building could be designed to make a bold statement when viewed in one direction, and blend in when viewed from other directions.



Existing Magnox power station - combination of blend and bold



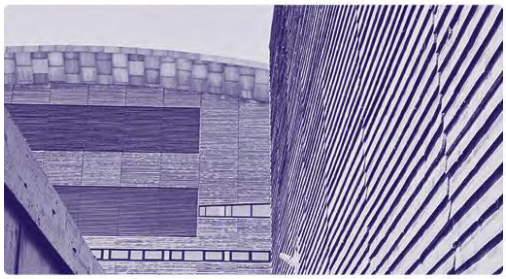
Use of local materials



Examples of bold architecture



Examples of bold architecture



Examples of bold architecture, using local materials



Natural colours and planting working together to blend

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8.22 The architectural approach adopted will be a key influence on the way in which the Power Station buildings and structures affect the character of this part of Anglesey. A bold approach is likely to make the Power Station more visually prominent and contribute a discernible change through the introduction of more modern and contemporary design elements that would contrast with the Existing Power Station and surrounding settlements. In contrast, a blended approach may better reflect the established landscape character, appearing more as an extension of the development around the Existing Power Station and therefore appearing less prominent than bold design, particularly in longer distance views. A combination of bold and blend approaches would tend to draw the eye to particular buildings and structures, allowing others to be viewed more as background development – this would be likely to deliver a greater change to established landscape character than a blend approach, but overall the Power Station may appear less prominent than a wholly bold approach.

8.23 The buildings within and around the Power Station could be given a sense of belonging with one another through the use of a consistent palette of materials and/or colours. This would be possible to some extent with all of the architectural approaches outlined above. The landscaping around the Power Station buildings and structures and across the Wylfa Newydd Development Area would also be influential in determining the overall visual appearance and impact of the Power Station on established landscape character. Consequently, architecture and final landscaping would be developed to complement each other.

Horizon would welcome views on the types of architecture, colours and materials that consultees would like to see at the Power Station Site. A number of examples of different types of materials and finishes are shown and Horizon would be keen to receive comments about consultee preferences.

8.24 Horizon has a commitment to the current good practice of using sustainable features in the built environment as well as the intention to periodically review the sustainability performance of the Wylfa Newydd Project. This would include the use of sustainable and locally distinctive materials for buildings, energy efficiency and minimising the need for travel, reflecting the requirement set out in Planning Policy Wales for non-residential buildings in Wales to achieve set standards for Building Research Establishment Environmental Assessment Method,[48] depending on their size.

[48] Building Research Establishment Environmental Assessment Methodology (BREEAM) is an internationally recognised environmental rating and certification scheme for non-domestic buildings, including new buildings, major refurbishments, extensions, 'fit-outs' and existing buildings based on best practice criteria.

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8.25 Horizon intends to use the consultation responses it receives to inform the development of a design brief for architects to produce a design that responds positively to the surrounding landscape character and proposed landscape setting. Horizon would then explore the practicality of options in more detail in conjunction with key stakeholders and the Office for Nuclear Regulation. Details of emerging proposals are expected to be incorporated in the Stage Two pre-application consultation process. This would lead to the production of design guidance for buildings and landscapes that would guide the work on finalising the architectural appearance and setting of buildings that form part of the Wylfa Newydd Project.

Question 6

Do you have any comments or preferences on whether the Power Station buildings should be designed to blend in or make a striking architectural feature in the landscape?

Draft Principles for Landscape and Biodiversity Masterplan

8.26 Given the environmental characteristics and Anglesey AONB coastal context, which are intrinsic to the existing landscape character, Horizon recognises that the creation of an appropriate landscape setting for the Power Station requires a holistic approach. Horizon intends to produce a Landscape and Biodiversity Masterplan that will comprise a fully coordinated environmental design covering the Wylfa Newydd Development Area, including the formation of mounds, habitat and woodland creation, targeted biodiversity mitigation and enhancement measures, temporary and permanent public footpath diversions, management of watercourses and surface water drainage and other relevant environmental considerations.

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8.27 Horizon has already commenced discussions with stakeholders regarding the opportunities and potential scope of a Landscape and Biodiversity Masterplan. The following draft principles for key elements of the proposed Landscape and Biodiversity Masterplan have been developed, drawing on stakeholder feedback to date:

Landscape

- Respect existing landscape and seascape character and use a combination of mounds and planting to soften views of the Power Station;
- Achieve an attractive restored landscape on completion of the Wylfa Newydd Project, recognising the quality of the designated AONB landscape and its value for agriculture, leisure, recreation and tourism;
- Use native species of local provenance in planting schemes and deliver new field boundaries that reflect the traditional types and details present in the surrounding landscape;
- Deliver a low maintenance scheme that will be sustainable in the long term;

Ecology

- Seek to reduce any adverse effects on internationally and nationally designated sites, developing appropriate mitigation and management measures;
- Seek to conserve and, where practicable, enhance and manage sites designated for their ecological value;

Cultural Heritage

- Seek to enhance and conserve retained cultural heritage assets in and around the Wylfa Newydd Development Area and limit the effect on their settings;

Recreation

- Support the delivery of a Public Access and Recreational Strategy;[49]

Drainage and Hydrology

- Seek to manage drainage and watercourse quality, particularly in relation to Tre'r Gof SSSI and Cae Gwyn SSSI;

[49] It should be noted that the Public Access and Recreation Strategy principles extend beyond matters relating to landscape setting and biodiversity and are outlined in Chapter 11.

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Noise

- Seek to contribute to delivery of noise attenuation for sensitive receptors, including the closest residential communities, particularly Tregele; and

Geology

- Reflect the unique geology of the Isle of Anglesey through hard landscaping[50] treatment within the Power Station Site.

Comments are invited on matters that consultees consider to be important in the development of the Landscape and Biodiversity Masterplan.

Potential Key Features of the Landscape and Biodiversity Masterplan

8.28 The Landscape and Biodiversity Masterplan would be developed taking into account a range of issues associated with the Wylfa Newydd Project, including the existing environmental conditions (refer to Chapter 3). An overview of key features that would need to be reflected and incorporated, and where consultee feedback is particularly welcome, is provided here.

Footpath Network and Recreation

8.29 Figure 3.4 shows the public rights of way network in and around the Wylfa Newydd Development Area, which includes the Wales Coast Path. The Wylfa Newydd Project would require partial closure or diversion of sections of the Wales Coast Path[51] and would affect several other public rights of way that currently transect the Wylfa Newydd Development Area. The nature of the impacts on users would alter over the lifetime of the Wylfa Newydd Project and could include the temporary loss of some footpaths, the permanent loss of others and the creation of new public rights of way.

8.30 Horizon intends to produce and implement a Public Access and Recreation Strategy. This Strategy would seek to ensure that public access to recreational routes is maintained and, where possible, enhanced as part of the Wylfa Newydd Project. In addition, Horizon wishes to ensure that existing footpath users are provided with alternative recreational routes where the Wylfa Newydd Project would result in the closure of existing provision. There is an aspiration to consider the way in which new provision could seek to cater for the needs of the mobility impaired and explore

[50] Hard landscaping refers to the use of construction materials in landscaping design, for example brick, gravel, rock or stone, concrete, timber, bitumen, glass and metals.

[51] The Wales Coast Path is a national footpath resource [promoted by the Welsh Government], which currently passes through the Power Station Site.

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opportunities for allowing use by cyclists and equestrians, where appropriate. New routes proposed for the Wylfa Newydd Development Area would be reflected within the Landscape and Biodiversity Masterplan.

8.31 The car park used to access Wylfa Head is likely to require closure. Horizon intends to explore alternative locations for parking as part of the Public Access and Recreation Strategy and the preferred option would be reflected in the Landscape and Biodiversity Masterplan.

Wales Coast Path

8.32 The Wales Coast Path would require diversion between the Existing Power Station and Cestyll Garden. It may also require diversion at Wylfa Head to allow for the construction of the CW outfall.

8.33 During the preliminary evaluation of route options in the early part of the Project evolution (refer to Figure 1.1), consideration has been given to the potential for re-routing the Wales Coast Path continuously along the coastline. However, the design and associated security requirements of the Power Station and the Existing Power Station (as a Nuclear Licensed Site) make this unachievable. Because of this, the proposals for the diverted Wales Coast Path sections have to be inland. This aspect of the Wylfa Newydd Project is largely settled.

Considerations for the design of public rights of way

8.34 In addition to the Wales Coast Path, the construction of the Power Station would affect a number of other public rights of way that currently cross the Wylfa Newydd Development Area. The Landscape and Biodiversity Masterplan would incorporate proposed diversions and re-alignments of these public rights of way, which would be identified in the Public Access and Recreation Strategy, taking account of existing user levels and the views of stakeholders. At present, Horizon envisages two main options for the types of diversion and/or replacement routes that could be developed for public rights of way within the Landscape and Biodiversity Masterplan, described here.

Hills and Wider Views

8.35 This design option would seek to maximise the potential to use the rising drumlin landforms created by the proposed mounds to establish some vantage points offering panoramic views, for example towards the coast. This route type could be steeper and more challenging for users than the majority of existing public rights of way alignments; however, this would only be provided in conjunction with some more gentle routes.

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Flatter with Improved Accessibility

8.36 This design option would aim to create more level routes, designed to curve around and between the new drumlin landforms that would be created by the proposed mounds, as opposed to rising up them. This would reduce the opportunities for panoramic views, but would potentially allow for improved accessibility, particularly for the mobility impaired.

Horizon welcomes comments from consultees on the types of public rights of way routes that could be developed and the overall potential recreational uses of the landscape.

Tree Planting

8.37 There would be a need to balance the extent of tree planting used to soften views of the Power Station with both the need to respect the existing predominantly open character of the surrounding landscape and the operational requirements to maintain an open aspect close to the Power Station. The landscape design could therefore incorporate limited areas of woodland, positioned to supplement screening from the landscaped mounds.

8.38 Options relate to the trees selected to form part of the final landscaped setting for the operational Power Station and Horizon is currently considering incorporating a number of woodland areas, which would be positioned to supplement screening from the landscaped mounds.

8.39 The location and shape of proposed tree and woodland planting could be designed to reflect typical patterns of woodland found in the surrounding landscape, with occasional tree planting accentuating the upper slopes of new drumlins, or located in field corners.

8.40 Proposed tree planting of this type could comprise predominantly native broadleaf species of local provenance suited to the coastal location and supplemented by areas of scrub planting in order to provide additional wildlife habitats. Native species are likely to more readily establish and flourish than, for example, non-native or more ornamental tree species as they would be more tolerant of local climatic and soil conditions. This approach would also extend existing habitats around the Wylfa Newydd Development Area, helping to support local biodiversity.

Horizon welcomes consultee views on the proposed approach to tree planting and the types of species being considered.

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Habitat Creation and Management

8.41 The Wylfa Newydd Development Area includes the Tre'r Gof SSSI. Horizon is currently maintaining and managing the SSSI habitats. Horizon is also exploring the potential opportunities to develop or enhance a site of biodiversity value Off-Site as mitigation for potential impacts on the qualifying features of the SSSIs, which may arise during the construction or operation of the Power Station. To date, Horizon has engaged with Natural Resources Wales, IACC and the North Wales Wildlife Trust to discuss potential sites and measures and anticipates providing further information at the Stage Two pre-application consultation.

8.42 The Landscape and Biodiversity Masterplan would incorporate the management of existing wildlife habitats and the creation of new wildlife habitats within the Wylfa Newydd Development Area. Horizon envisages that these would be designed to reflect the existing flora and fauna in the locale, enhancing existing biodiversity as opposed to seeking to introduce new species and habitats, as well as managing the risks of introducing non-native, invasive species to the area. Possible measures could include:

- Grassland and heathland restoration at and near Wylfa Head;
- Management of proposed species-rich grassland, pasture, marshy grassland, rush pasture and wetland, taking into account the intention to return land to agriculture where possible and appropriate;
- Creation of riparian habitats; and
- Freshwater and marine aquatic habitat creation in the vicinity of Porth-y-pistyll.

Consultees are encouraged to comment on the initial potential measures for habitat creation and make suggestions for further and/or alternative proposals.

Watercourses

8.43 A number of watercourses (mainly field boundary ditches) cross the Wylfa Newydd Development Area. The Landscape and Biodiversity Masterplan would need to ensure that, where affected by the Wylfa Newydd Project, these are treated appropriately. This is particularly important for the main watercourse that flows from Cae Gwyn SSSI in the Wylfa Newydd Development Area, which eventually discharges into Porth-y-pistyll, as this is a Water Framework Directive[52] classified watercourse with a current status of moderate.

[52] Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for the Community action in the field of water policy.

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Maintenance

8.44 An important consideration in the formulation of the Landscape and Biodiversity Masterplan would be the need to provide for sustainable future maintenance including landscape and ecological management. The design of the new landscape setting would take account of long term maintenance requirements, as would proposals for habitat creation and enhancement.

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9 Realising the Economic Benefits of the Project

9.1 This Chapter provides information about the types of jobs and investment that Horizon anticipates will be generated by the Wylfa Newydd Project, encompassing construction, operation and supply chain opportunities. It includes proposals for training and skills development which would be brought together into a Jobs and Skills Strategy document and outlines the way in which Horizon intends to procure goods and services and make use of the local supply chain, in order to assist the potential economic benefits of the Wylfa Newydd Project to be realised across Anglesey and beyond.

9.2 In this section, the term 'local' refers to the Isle of Anglesey. The term 'regional' relates to the neighbouring council administrative areas of Gwynedd, Conwy and Denbighshire, and is also referred to as North-West Wales.

Consultees are invited to comment on the emerging proposals relating to economic benefits, particularly the initial measures set out for supporting training and upskilling. Horizon is also interested in receiving suggestions for information that consultees would like Horizon to provide within the Jobs and Skills Strategy document.

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Jobs and Training

Job Roles and Opportunities

9.3 Horizon will seek to support the economies of Anglesey and North Wales, as well as the wider UK economy, through both direct and indirect employment opportunities. Table 9.1 provides an indication of the types of job roles that may be associated with the Wylfa Newydd Project. These will be developed and incorporated into a Jobs and Skills Strategy document.

Table 9.1 Illustrative Workforce Requirements

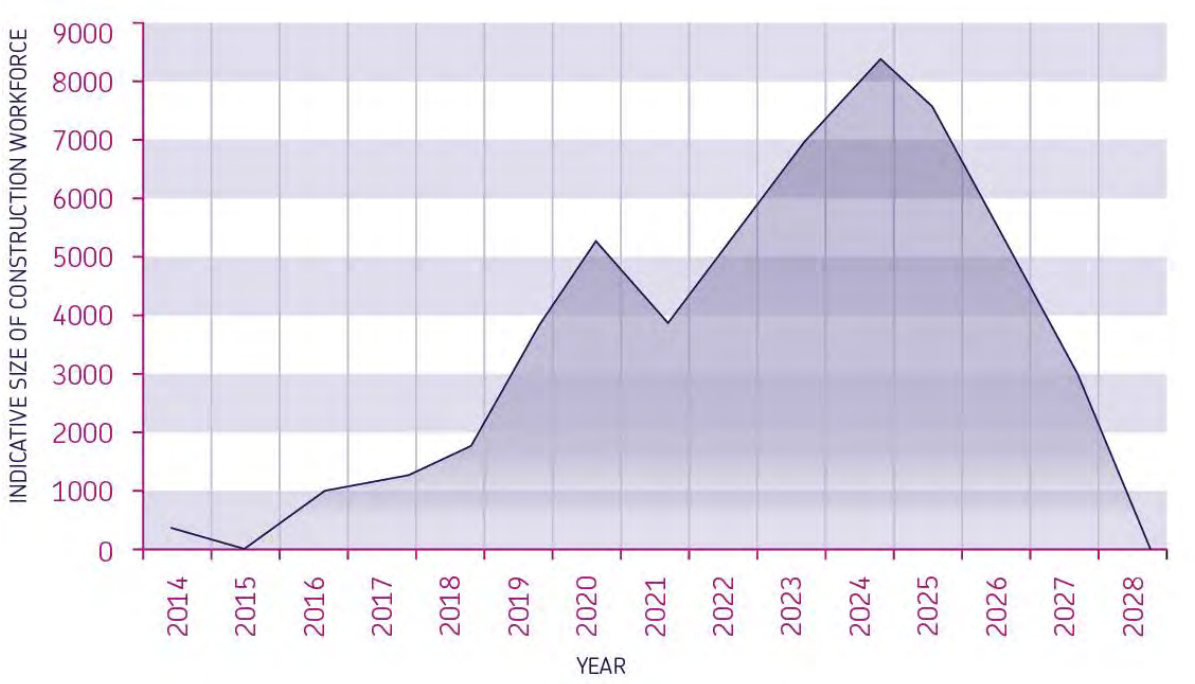
	Indicative Job Roles
Construction	Civil engineering Other engineering in a range of other disciplines, including mechanical and electrical Management and supervisory Mechanical, electrical, control and instrumentation technicians and operatives Crafts (e.g. carpenters, painters, scaffolders and laggers) Welders and form and fabrication specialists Site services, security and clerical, catering, cleaning Environmental specialists Transport, logistics and haulage
Operation	Operations staff, including plant operators and operations support staff Maintenance and engineering at a range of levels and across mechanical, electrical, control and instrumentation and other disciplines Scientists, including chemists and physicists Site services, security and clerical, catering, cleaning Management and supervisory Crafts (e.g. carpenters, painters, scaffolders and laggers)
Indirect	Accommodation Restaurants and bars Leisure facilities Retail Public services Services support Transport and Logistics

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9.4 It is envisaged that some trainee positions would be available to appropriate candidates aged 16 and upwards and job opportunities would be available for those aged 18 and upwards, depending on suitability for the role. For all roles, this would include holding the relevant security clearance.

9.5 The construction of the Power Station is anticipated to require a workforce greater than 4,000 for approximately half of the combined Enabling Works and Main Construction stages and could reach 8,500 during peak periods (refer to Figure 9.1). Horizon expects that a significant part of its workforce would be drawn from the population of Anglesey and North-West Wales, with the remainder coming from the wider labour market, particularly where specialist skills are required that are not available in the region.

Figure 9.1 Indicative Projection of Size of Construction Workforce



9.6 Once operational, the Power Station would employ up to 1,000 workers. During planned periods of plant outage for maintenance it is estimated that approximately 1,000 additional workers may be needed. Job roles would range from entry level opportunities, through supervisory and managerial positions to technical and specialised jobs associated with the operation of the Power Station. It is expected that Horizon apprentices and other trainees would also be a part of the Power Station workforce.

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9.7 The Wylfa Newydd Project will also create several hundred jobs as part of the delivery of the Associated Development required to support the construction of the Power Station. These cannot yet be quantified as proposals are not yet finalised; however, the A5025 highway improvements, Park and Ride facilities, Logistics Centre and Temporary Worker Accommodation would each form sizeable developments in their own right. Once operational, the Park and Ride facilities, Logistics Centre and Temporary Worker Accommodation facilities would each generate further job opportunities, for example in facilities management, cleaning and transport roles. The Wylfa Newydd Project would also indirectly create and support associated jobs and employment in industries such as hospitality, leisure and retail.

Training

9.8 Horizon would seek to employ as much of its operational staff for the Power Station from North-West Wales as possible. Horizon recognises that there is a considerable number of highly qualified candidates with experience in the nuclear industry already residing in the region; however, there are likely to be insufficient numbers to meet the anticipated demands of the Power Station over its operational lifetime. Consequently, Horizon is engaging with schools, colleges and universities in order to ensure that the skilled staff Horizon and its contracting parties would seek in readiness for operation would be available to work at the Power Station.

9.9 Horizon intends that an important part of its future operational workforce would be recruited through major training programmes, including apprenticeships. The commitment to setting up and running such programmes would require close partnership working with a number of organisations. These would include colleges and other bodies in North-West Wales that are already closely involved with apprentice training, on the basis that Horizon intends to focus particularly on the recruitment of apprentices from this region. By the nature of apprenticeships, Horizon expects that this would provide many opportunities, particularly for younger people, to become trained and equipped to join Horizon's workforce in the future.

9.10 Horizon is in active discussion with local training providers to understand existing training provision and capabilities. The purpose of these discussions is to provide a basis for assessing the level and scale of training that would be required to support the Power Station. Horizon's activities to date have included:

- **Investment in training:** Horizon is a major private sector sponsor supporting the Cwmni Prentis Menai initiative,[53] led by Coleg Menai. This provides a three-year engineering apprenticeship based around Coleg Menai's technical training facilities, which include a new energy centre in Llangefni, Anglesey.

[53] The Cwmni Prentis Menai initiative is an apprenticeship scheme delivered through Grwp Llandrillo Menai, which is a partnership between three colleges – Coleg Menai, Coleg Llandrillo and Coleg Meirion-Dwyfor.

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The apprentices are placed with local employers during the course to complete their training; and

- **Defining job roles:** Job profiles and information relating to future roles in operation have been created and are available at Horizon's events and for download from Horizon's website (www.horizonnuclearpower.com).

9.11 In addition, engagement with education is an important activity in communicating future opportunities and expectations. Horizon currently supports regional schools through:

- Attending career events;
- Undertaking mock interviews with students; and
- Supporting in-class learning, delivering session on low carbon energy.

9.12 Horizon intends to work closely with regional education providers, notably engaging further with schools and the further education sector, including the colleges within Grwp Llandrillo and Bangor University, to seek to ensure that they offer prospective students a range of courses that would match the anticipated Wylfa Newydd Project opportunities.

Horizon welcomes consultee views on how training should be delivered, for example, through existing schools and colleges or a new facility on or near to Anglesey.

Training for Construction of the Project

9.13 The activity required to train the construction workforce is expected to be substantial, and will have a key influence on the success of the Wylfa Newydd Project. In considering the training and employment requirements related specifically to the Power Station, Horizon is seeking to learn from the experience of the comparable nuclear new build project at Hinkley Point C in Somerset, England. Bridgwater College in Somerset is already operating as a key training and skills hub in support of the Hinkley Point C project and contacts have been established and are being developed between Coleg Menai in North-West Wales and Bridgwater College to enable an ongoing exchange of information and experience.

9.14 Table 9.1 identifies a wide range of jobs likely to be associated with the construction of the broader Wylfa Newydd Project, including those indirect roles that would be created in the supply chain and service sectors. It is anticipated that training would be required to equip this indirect but important part of the construction workforce and the scale and nature of these training requirements would be assessed with

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reference to other recent and current large UK construction projects that can provide appropriate benchmarks. It is currently expected that, by the non-nuclear nature of these support and service jobs, access to training would be predominantly through local and regional training providers. Horizon envisages that this training would generally be provided under agreement between the organisation contracted to perform the service and the relevant training provider(s).

Training for Operation of the Power Station

9.15 The provision of relevant and effective training is important in developing a competent workforce to support the safe and reliable operation of the Power Station. The bulk of the training for this workforce would be delivered by a Horizon training function, using a dedicated training centre. This requirement is an aspect of the Wylfa Newydd Project that is largely settled. Proposals for the training centre are yet to be developed; however, it is envisaged that it would be positioned in a building close to the Power Station Site and established in advance of the Power Station becoming operational – this aspect of the Wylfa Newydd Project is largely settled.

9.16 Horizon also envisages a need for training relating to the following, which would not necessarily need to be close to the Power Station Site:

- Training for outage and maintenance teams and contractors;
- Non-technical training (for example, for managerial and supervisory roles);
- Health and safety and behavioural training; and
- Programme-based training, such as apprenticeships, where prospective workers would be equipped with core skills and knowledge prior to being enrolled on courses through the Horizon training facility.

9.17 Horizon is in discussion with Coleg Menai to investigate opportunities to support the operational training requirements for the Power Station. The Coleg already has a construction skills centre and energy centre, both of which have been developed within the past six years. Horizon considers that there may be potential to build on these existing functions to create an additional shared facility in the coming years.

Jobs and Skills Strategy

9.18 Horizon intends to publish defined job roles and academic requirements in a Jobs and Skills Strategy. Accordingly, Horizon intends to continue to work with relevant bodies and training providers to understand the skills and scale of workforce available at the local, regional, Wales and UK levels. In addition to providing the definition of roles, the Jobs and Skills Strategy would set out measures to encourage the use of local and regional labour, potentially including:

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- Working with local initiatives and strategic partnerships (e.g. Anglesey Energy Island Programme) to identify which measures might work best in North-West Wales and what potential sponsorship or funding may be available to support training;
- Supporting the development of an appropriate skills base in Anglesey and North-West Wales in line with the needs of the Wylfa Newydd Project and, more specifically, the Power Station; and
- Investigating the use of job match schemes with the wider supply chain and employment providers.

9.19 One of the objectives of the Jobs and Skills Strategy would be to address the potential creation of skills gaps in other sectors as a result of the workforce demands of the Power Station, as well as the broader requirements of the Wylfa Newydd Project.

9.20 By providing local opportunities for upskilling, as well as providing for the training of new entrants to the industry, it is intended that the Wylfa Newydd Project would contribute to wellbeing and leave behind a legacy of transferable skills and greater employment mobility. Skills acquired in this way would have the potential not only to enhance local businesses but could also feed into the wider UK nuclear new build programme and, more generally, opportunities in other infrastructure developments.

Question 7

Do you have any comments relating to skills and training and the promotion of local and regional employment?

9.21 Horizon is particularly keen to hear consultee views on:

- The suggested measures for supporting training and upskilling;
- The ways in which training could be delivered; and
- The types of information that could be provided within the Jobs and Skills Strategy.

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Supply Chain Engagement and Local Procurement

9.22 This section summarises Horizon's activities to date in raising awareness of the Wylfa Newydd Project amongst local, regional and UK-wide businesses. It identifies the platforms that exist for local companies to make their interests in the Wylfa Newydd Project known to Horizon, making visible their skills, experience and likely scope of activities that they have an interest in. It concludes with an outline of aspects of Horizon's procurement policy, especially with regard to the opportunities that would be available to local suppliers.

Consultees are invited to feedback to Horizon on the information provided in relation to the procurement policy and suggest activities that Horizon should consider to encourage local businesses to get themselves ready to realise the potential economic benefits and opportunities from the Wylfa Newydd Project.

Background

9.23 The Wylfa Newydd Project would represent a multi-billion pound investment, which would bring about a significant increase in the range of business opportunities that would be available. This would also generate consequential demand for secondary services from local and regional businesses, as well as those in Wales, the UK and global nuclear supply chain (refer to the geographic scales shown in Figure 9.2).

Figure 9.2 Geographic Areas for Procurement Activities



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9.24 Horizon believes that 60% of the Wylfa Newydd Project value would be spent in the UK. Early and proactive engagement with potential suppliers and local businesses is an important step in ensuring that benefits of this spend can be realised for the local and regional economy.

Engagement with the Local, Regional and National Supply Chain

9.25 Horizon is committed to establishing clear mechanisms for communicating and engaging with the business communities, existing and potential suppliers and their supply chains to better understand what the capability and capacity of supply is and where obstacles exist to be able to present a competent and competitive offering and delivery in relation to the Wylfa Newydd Project.

9.26 During the last 18 months, Horizon has increased its engagement with the potential supply chain, with a particular focus on local activities and understanding networks in North Wales. Horizon's activities to date have included:

- Establishing a dedicated web address to allow companies to register their interest;
- Engaging with businesses at Horizon's local monthly open surgeries, industry conferences, exhibitions and through regular meetings and communications with existing business networks and organisations;
- Hosting jobs and skills and supplier engagement activities during 2014, communicating to the business community and the potential workforce how they can best become ready to be engaged in the Wylfa Newydd Project, either directly with Horizon or via sub-contracting opportunities through Horizon's Framework contracts;
- Partnering with the Anglesey Energy Island Programme and the Welsh Government to take part in a programme of engagement activities focused at local and regional suppliers; and
- Starting to facilitate introductions with known local businesses that have potential to be competitively sub-contracted for their services.

9.27 Horizon has already contracted with a number of local businesses, both directly and indirectly, and will continue to engage with the supply chain, developing early communications throughout 2014 and relationships with the supply chain in the years following.

9.28 Horizon will seek to inform and communicate the requisite levels of quality, environmental and health and safety standards expected by Horizon for different

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types of activities. The transfer of information to the supply chain on standards and performance expected will begin prior to procurement and continue to be clearly communicated during the procurement process and throughout the lifetime of work carried out in respect of the Wylfa Newydd Project. Horizon intends to work with selected support agencies and recognised skills development bodies to coordinate and support relevant sector-specific regional initiatives.

9.29 Suppliers are encouraged to contact Horizon using the supplier-specific pages on Horizon's website (www.horizonnuclearpower.com/supplier-registration) and complement this with a profile on the Welsh Government procurement portal Sell2Wales (www.sell2wales.gov.uk). Additionally, the Anglesey Energy Island Programme provides business support services to local businesses and provides local market intelligence on the services available on Anglesey and across the region.

Horizon is keen to receive feedback from consultees on what further advice or assistance could be made available to assist businesses in preparing to be part of the supply chain for the Wylfa Newydd Project.

Supply Chain Charter

9.30 Horizon intends to produce a Supply Chain Charter, which would take into account any relevant responses to this Stage One pre-application consultation. This Charter would set out Horizon's commitments in the procurement and contracting area and provide an explanation of how potential suppliers can engage with Horizon and its main framework suppliers.

9.31 Horizon will endeavour to communicate clearly about potential business opportunities and is investigating using appropriate mechanisms across the Wylfa Newydd Project to search and inform the sourcing for products and activities, including vital local service suppliers. Horizon is investigating those existing vehicles that could be used to promote more awareness of contracts awarded and tendering opportunities across the Wylfa Newydd Project, including smaller value[54] non-nuclear related contracts that may be particularly attractive and attainable for local suppliers.

Horizon is keen to receive feedback from consultees on the initial proposals for the Supply Chain Charter and receive suggestions for using alternative mechanisms for providing local and regional businesses with opportunities to get ready to become involved with the Wylfa Newydd Project.

[54] Smaller value for the purposes of the Project is defined as less than £10,000.

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Local Procurement

9.32 Horizon has put in place robust procurement processes to ensure that the supply of goods, services and works is secured in a timely manner whilst meeting its objectives of safety, quality and value for money. Horizon will continue to directly manage this activity so that potential suppliers clearly understand the processes and requirements.

9.33 The procurement policy includes the intention that for individual transactions relating to non-nuclear small site services (including civils) that are below £10,000 in value, and up to an aggregate contract value of £100,000, Horizon would seek initially to procure from the local supply chain. This means that businesses within the Travel to Work Area[55] would be considered favourably, provided that the quality, value and delivery schedule offered to Horizon is considered appropriate.

9.34 Horizon's tender list for these types of direct opportunities would be drawn from suppliers' submissions to the Horizon supplier registration system and Horizon's corporate experience. This would be complemented by other sources of local knowledge gathered by the Anglesey Energy Island Programme and Business Wales business advisors when necessary, which includes the use of the Sell2Wales business database.

Question 8

Do you have any comments relating to Horizon's engagement with the supply chain and proposals for buying from local and regional suppliers and businesses?

9.35 Horizon is particularly keen to hear consultee views on:

- Suggestions for activities that Horizon could consider to encourage local businesses to get ready to realise the potential opportunities from the Wylfa Newydd Project;
- Suggestions for advice and assistance that Horizon could make available to businesses to help them become part of the supply chain; and
- Comments about whether a Supply Chain Charter is supported and, if so, what it should cover.

[55] The Travel to Work Area is a boundary for assuming reasonable daily commuting behaviour to the Power Station Site. This is defined by the two travel to work areas of Holyhead; and Bangor, Caernarfon and Llangefni, as set out in Chapter 7 (socio-economic) of the PEI Report. This area is deemed to be suitable for daily commuting during the construction and operation of the Power Station.

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10 Meeting Transport and Construction Workforce Requirements

10.1 This Chapter provides an overview of the issues and options for modes of transport that Horizon has considered in determining how to move materials and the workforce associated with the Wylfa Newydd Project and the way in which the construction workforce may be accommodated. The Wylfa Newydd Project would require delivery of substantial quantities of freight throughout the Enabling Works and Main Construction stages. This would include some extremely large plant and equipment termed 'Abnormal Indivisible Loads' (AILs)[56] that could cause disruption when they are being transferred to the Wylfa Newydd Development Area, depending on the mode of transport used. The Wylfa Newydd Development Area would also need to be accessible to the construction workforce, which could reach 8,500 during peak periods.

10.2 This Chapter provides an overview of Horizon's draft principles for an Integrated Traffic and Transport Strategy (ITTS) for the Wylfa Newydd Project and the different transport modes that Horizon has considered for the Project, taking these principles into account. The Chapter is then divided into the following sub-sections:

- MOLF Proposals;
- Road Transport Proposals;
- Worker Accommodation Strategy; and
- Sites Identification – Park and Ride facilities, Logistics Centres and Temporary Worker Accommodation.

10.3 The components listed above (Paragraph 10.2) form part of the overall mitigation for likely socio-economic, traffic and transport, and related environmental effects (described in more detail in Chapters 7 and 9 of the PEI Report, respectively). The components also have the potential to give rise to a range of environmental impacts during construction and operation. Chapter 7 includes an overview of the likely environmental effects associated with typical activities. Consultees should refer to this information and review relevant sections of the PEI Report to assist in forming consultation responses.

[56] Horizon has adopted the following as a definition for AILs: Length exceeds 18.75 metres, excluding the transporting vehicle; Width exceeds 3.0 metres; Height exceeds 4.5 metres; and/or Weight exceeds 80 tonnes, including the transporting vehicle.

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Transport Modes

Context

10.4 Horizon is keen to ensure that the traffic associated with constructing the various components of the Wylfa Newydd Project is managed in a manner that seeks, as far as is practicable, to avoid significant adverse effects on the existing communities of Anglesey and the surrounding areas. In addition, Horizon is keen to ensure that the efficiency with which people and goods are moved is maximised, whilst also managing environmental impacts, ensuring user and community safety and presenting solutions that offer some legacy benefits for the communities of Anglesey.

10.5 Horizon will develop proposals in order to produce an ITTS that addresses all of these matters in a co-ordinated manner. The ITTS would be prepared following this Stage One pre-application consultation to include a package of transport measures covering a range of different transport modes available for construction and operation of the Power Station, including green travel planning initiatives designed to encourage travel by sustainable modes. An overview of the emerging draft principles that would govern the preparation of the ITTS is provided in this section.

Horizon is keen to hear consultee views on Horizon's preferred modes for meeting the transport needs of the Wylfa Newydd Project and the draft ITTS principles presented. Consultees are also invited to comment on the transport issues outlined in this section.

Transport Requirements of the Project

10.6 The freight that would be associated with constructing the Wylfa Newydd Project can be split into three categories:

- Construction materials such as sand, cement, aggregates and steel;
- AILs such as parts of the reinforced concrete containment vessel and transformers; and
- General items, which would include everything not within the two categories above (e.g. control panels, valves, food, office equipment and stationery).

10.7 The numbers and types of freight deliveries that would be needed will vary over time as the Wylfa Newydd Project progresses from the Enabling Works stage to the Main Construction stage and through to the Full Operation stage.

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Key Issues for Consideration

10.8 Horizon has determined that if HGVs were to be the only mode of transport used for the delivery of construction materials, there would be a requirement for tens of thousands of HGV movements over the Main Construction stage. Consequently, Horizon has considered alternative modes of transport for bringing construction materials to the Power Station Site.

10.9 In addition to construction materials, the Wylfa Newydd Project is anticipated to require approximately 800 AILs (depending on construction methods used) over the duration of the Main Construction stage. Transporting AILs along single carriageway roads such as the A5025 would require specialist transportation and bespoke arrangements, which would likely require a rolling road closure. Given the substantial number of AILs anticipated, Horizon has concluded that there is a need to identify an alternative to relying upon the use of public roads for delivery of AILs.

10.10 There would also be the requirement to transport the workforce to and from the Power Station Site. The workforce numbers would change as the Wylfa Newydd Project moves from the Enabling Works stage to the Main Construction stage and through to the Full Operation stage. In particular, there is anticipated to be a considerable amount of fluctuation in workforce numbers during the Main Construction stage (see Figure 9.1 in Chapter 9). In planning the transport of the workforce, it is also necessary to understand the proportion of workers that may already reside, or plan to reside locally, compared to those that may require Temporary Worker Accommodation. This has a substantial bearing on the types of transport options that would offer the most efficient solutions.

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Draft ITTS Principles

10.11 Draft ITTS principles have been developed by Horizon taking into account the baseline conditions (refer to Chapter 3 of this Document and Chapter 9 of the PEI Report), the aims of the North Wales Regional Transport Plan[57] and matters discussed during meetings with IACC.[58] These draft principles seek to:

- Ensure the safety of roads for all types of users, including pedestrians and cyclists;
- Promote the use of non-road modes for the movement of freight and promote the use of sustainable transport modes for the movement of the workforce;
- Reduce the need to travel, including through demand restraint to limit traffic growth;
- Reduce the number of trips by all modes through transport efficiency;
- Offer efficient, flexible, reliable and sustainable modes of transport to the workforce;
- Control private vehicle and freight movements along the A5025 corridor;
- Manage disruption to existing communities from additional road traffic and develop measures to enable control of traffic to avoid exacerbating peak hour congestion on the existing highway network;
- Avoid where possible and mitigate against predicted significant adverse environmental effects arising from the transport requirements of the Wylfa Newydd Project;
- Reduce land take requirements in delivering necessary transport infrastructure; and
- Provide, where possible, a legacy benefit for Anglesey.

10.12 As part of the EIA process, analysis of alternative modes of transport, including cycling and other non-motorised modes, will be considered.

Horizon is keen to hear the views of consultees on the draft ITTS principles presented.

[57] Taith (Anglesey, Conwy, Denbighshire, Flintshire, Gwynedd and Wrexham Councils working in Partnership) – North Wales Regional Transport Plan, 30th September 2009.

[58] IACC draft position statement for the proposed Power Station, Grontmij, August 2011. It identifies problems and opportunities for transport planning and presents IACC's view regarding the types of transport proposals that should be linked to Horizon's proposals. The Wylfa SPG has also been considered.

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Description and Current Status

10.13 In the context of the position of the Power Station Site on Anglesey, there are four main transport modes available to move freight and the workforce: air, rail, sea and road. These transport modes have been reviewed by Horizon.

10.14 An overview of the key findings of the review of transport modes is provided below. The review has resulted in Horizon drawing some high level conclusions and excluding modes for certain types of Project transport requirements where they are less preferable than other options, taking account of the draft ITTS principles and considering Horizon's operational needs.

Air

10.15 The nearest airport to the Power Station Site is Anglesey Airport at RAF Valley, some 20km to the south. The airport has a daily passenger service to Cardiff from which the journey to the Power Station Site would need to be made by road, approximately 25km along the A55 and A5025.

10.16 Air based transport from RAF Valley has been discounted for construction materials, AILs and some plant and equipment on the grounds of practicality and sustainability. Air freight arriving to Valley would also require transfer for onward road transport. It is possible to avoid this through the use of other modes of transport, primarily sea-based transport directly to the Power Station Site.

10.17 There may be some scope to consider air transport for limited workforce movements, which could involve a shuttle bus service to the Power Station Site; this is still under consideration, although it is clear to Horizon that large scale use of air transport for workers would not be practical.

Horizon invites feedback on the conclusions drawn in relation to the limited use of air travel to support the construction and operation of the Power Station.

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Rail

10.18 The closest existing passenger railway station to the Power Station Site is some 18km away at Valley, connected to the Power Station Site via the A5 and A5025. In addition, there are several redundant railway facilities that have been considered for reinstatement or development as part of the options review process:

- **Rhosgoch** – this is a vacant, previously developed site in open countryside. Rhosgoch could be made accessible by rail; however, this would require the Gaerwen to Amlwch branch line to be brought back into use. A 2010 Welsh Assembly report into the feasibility of re-opening the branch line concluded that it would be possible to restore the section as far as Llangefni. Re-opening the rail line to Rhosgoch for temporary use during construction activities would only be viable if there was a continuing requirement for bulk freight movement once the Power Station becomes operational;
- **Holyhead** – this is rail-connected and, as a former container terminal, is of sufficient size and length to convert into a bulk materials terminal;
- **Anglesey Aluminium** – this is rail connected with sidings that are in good condition and of sufficient length to accommodate freight, with access to open handling areas and associated hardstanding; and
- **Gaerwen** – this is a former station goods yard that is no longer rail connected. The Gaerwen site is cleared and secure; but there is no remaining infrastructure.

10.19 Specialist freight management facilities would be required to accommodate the delivery of material to Anglesey by rail and to allow the unloading of material from railway wagons for transfer to the Power Station Site, which would usually be by road. The configuration of railway lines and the availability of land for sidings, unloading equipment and HGV loading and layover are therefore important in determining the suitability of potential rail facilities for use in association with the Wylfa Newydd Project.

10.20 Trains can carry significantly greater quantities of freight than HGVs in a single movement and a larger number of people than a single bus or car movement. In this respect, this is a mode that offers greater efficiency than road-based modes. All but two of the options – Holyhead and Anglesey Aluminium – would require specially constructed facilities and/or reinstatement of the Gaerwen to Amlwch branch line in order to handle the construction material requirements of the Wylfa Newydd Project. Both Holyhead and Anglesey Aluminium would require the transfer of materials by road along the A5025, the former being in a town centre location, which is especially undesirable. The potential benefits of rail over road would be negated by the use of sea-based modes delivering directly to the Power Station Site. The Rhosgoch site offers the potential to develop a conveyor belt system

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connection to the Power Station Site, which would lessen the need to use the A5025 but the financial, environmental and logistical issues associated with constructing the conveyor belt system and reinstatement of the branch line are currently considered by Horizon as likely to be prohibitive.

10.21 The tight tolerances on the rail network, such as tunnels, bridges, railway stations and passing trains, are generally prohibitive for the transportation of AILs, resulting in the need for alternative modes to be considered.

10.22 In conclusion, rail is a mode that has been discounted from further consideration by Horizon for the movement of significant volumes of freight, including AILs, on the basis that sea-based transport directly to the Power Station Site offers a greater number of advantages in the context of the draft ITTS principles.

10.23 Rail remains a potential option for use by the workforce during construction and operation. It is envisaged that this would primarily be as part of longer journeys, for example, between Off-Site Temporary Worker Accommodation and permanent homes elsewhere in the UK, but also in conjunction with shuttle bus service(s) to the Power Station Site.

Horizon invites feedback on the conclusions drawn in relation to the limited use of rail to support the construction and operation of the Power Station.

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Sea

AILs

10.24 Department for Transport policies indicate that the Government's preferred mode for AIL transport is by sea. In addition, the North and Mid Wales Trunk Road Agency (and the Highways Agency if AILs originate in England) will only authorise road transport of AILs if the use of water-based transport has been explored and discounted due to practicality, excessive cost and/or environmental reasons. On this basis, Horizon has reviewed the roads along which AILs would need to be transported between the closest existing ports and the Power Station Site.

10.25 The types of AILs that would be associated with the Wylfa Newydd Project are anticipated to be within the size and weight thresholds[59] for movement along Highway Agency high and heavy load advisory routes, which include the A5/A5025 route from Holyhead.[60] The low bridges on the A55/A5025 route from the mainland, whilst not necessarily prohibitive for the movement of HGVs for other types of freight needed for the Wylfa Newydd Project, are likely to make it unsuitable for the majority of AILs anticipated to be required. These constraints mean that movement of AILs by road from the mainland is not considered preferable and has not been explored further in detail by Horizon to date.

10.26 Movement of AILs by road along the A5/A5025 corridor would allow for the transfer of goods from Holyhead Port to the Power Station Site. There is a set procedure that Horizon would need to follow in order to gain permission to move AILs along this route.

10.27 Horizon's analysis suggests that the nature and characteristics of the A5/A5025 route, which would need to be used to transport AILs from Holyhead to the Power Station Site, mean that there would be significant disruption and likely social and environmental impacts associated with transporting AILs from this part of Anglesey (refer to Chapter 9 of the PEI Report). On this basis, coupled with the anticipated number of AILs likely to be required for the Wylfa Newydd Project, offloading AILs at Holyhead for onward road transport is not considered to be the optimum fit with the draft ITTS principles. In addition, the notice period needed for AIL transfer by road is lengthy and would not support flexibility within the construction programme for the delivery of AILs to the Power Station Site. The implication of the need for flexibility in the timing of AIL deliveries would be that further substantial storage space may be needed within the construction compounds on the Wylfa Newydd Development Area.

[59] Horizon has adopted the following as a definition for AILs: Length exceeds 18.75 metres, excluding the transporting vehicle; Width exceeds 3.0 metres; Height exceeds 4.5 metres; and/or Weight exceeds 80 tonnes, including the transporting vehicle.

[60] http://assets.highways.gov.uk/specialist-information/abnormal-loads-grids-and-preferred-routes/High_and_Heavy_Load_Grids_Map_for_Abnormal_Loads.pdf [Accessed:11.09.2014]

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MOLF

10.28 Because of the constraints associated with the delivery of AILs from existing ports by road, Horizon has considered alternative sea-based transport options that could bring AILs directly to the Power Station Site.

10.29 Horizon has decided to create a bespoke MOLF at the Power Station Site and this aspect of the Wylfa Newydd Project is largely settled. A general arrangement has been developed, which would include two quays to allow vessels to berth for the unloading of bulk materials and AILs close to construction activities, for onward transport without using public roads. Consideration is also being given to the establishment of a temporary landing facility on the foreshore at Porth-y-pistyll to enable the delivery of some materials directly to the Power Station Site by sea for the Enabling Works and start of Main Construction activities, in advance of the MOLF becoming operational.

10.30 Of the transport modes available, the delivery of freight by sea is considered to be the best fit with the draft ITTS principles, as it offers scope to substantially reduce the amount of HGV movements that would otherwise be required on Anglesey. More detail is provided on the MOLF later in this Chapter.

Holyhead Port

10.31 There may be a residual use for local ports such as Holyhead as they could provide areas for vessels to shelter while waiting to deliver directly to the MOLF. Holyhead could also provide a location for vessels that are unable to use the MOLF, for example due to size constraints, to be berthed to allow transfer of cargo to vessels that are then able to complete delivery by accessing the MOLF.

10.32 Holyhead Port remains a potential option for use by the workforce, primarily for travel between Temporary Worker Accommodation and permanent homes in Ireland and elsewhere in the UK, but also in conjunction with shuttle bus service(s) to the Power Station Site that could have a role during construction and/or operation.

Horizon is keen to receive feedback from consultees on the intention to develop a temporary landing facility and subsequent bespoke MOLF to handle AILs and manage bulk materials deliveries directly to the Power Station Site.

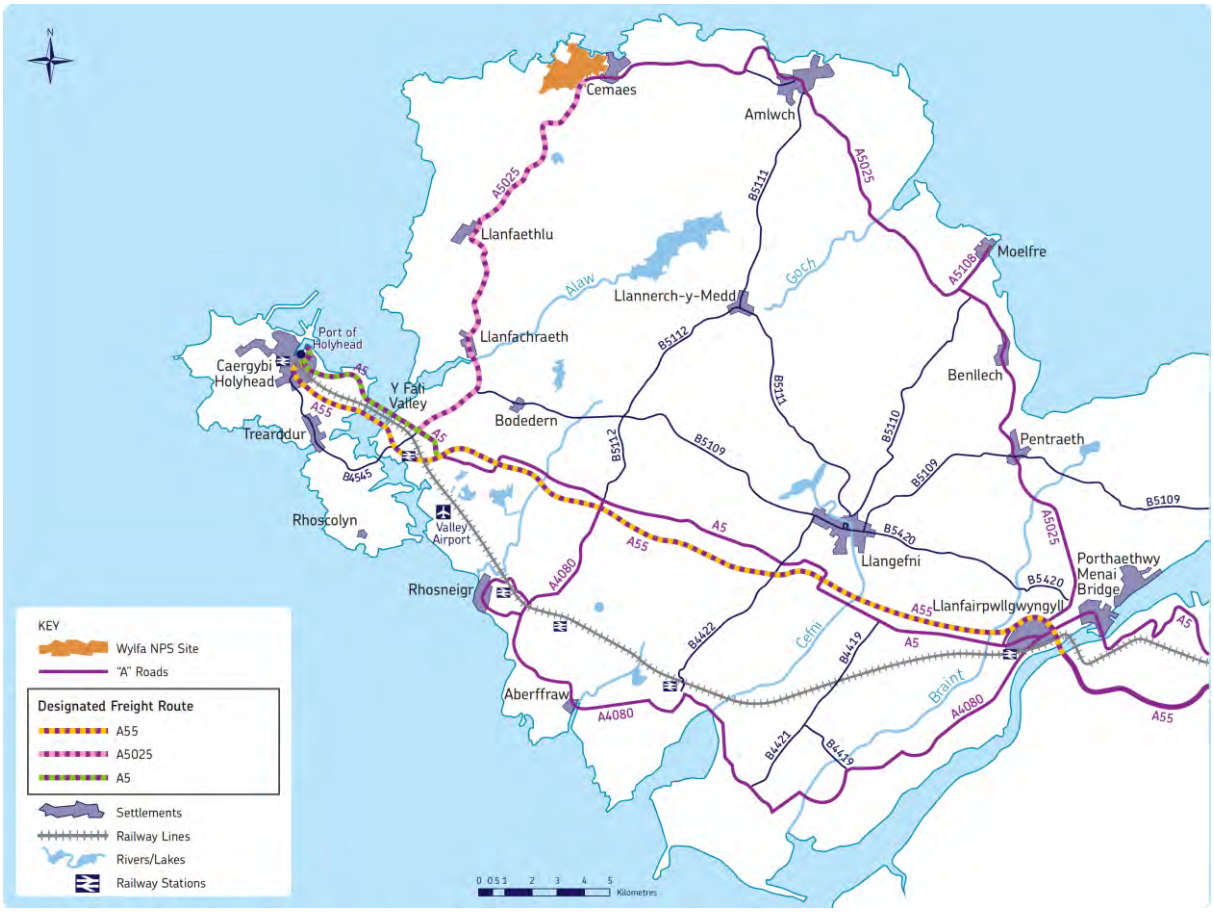
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Road

10.33 Principal road access to the Power Station Site from the mainland is expected to be via three main roads, the A55 dual carriageway, the A5 and the A5025 from Valley. Horizon intends to define this, together with a route from Holyhead Port to the A5025, as the Designated Freight Route for the movement on Anglesey of freight associated with the Wylfa Newydd Project, as shown in Figure 10.1. Horizon also intends to adopt appropriate freight management measures and signage to enforce its use, thus avoiding potential impacts arising from freight traffic using less suitable parts of the Anglesey road network.

10.34 Any AILs travelling between Holyhead and the Power Station Site, as opposed to using the MOLF, would use the A5 then the A5025 as this is designated by the Welsh Government as a 'high load route' suitable for use by AILs. Should any other types of road transport be required from the Holyhead region of Anglesey (for example, from Holyhead Port or Railway Station), this would follow the A55, A5 and then join the A5025.

Figure 10.1 Designated Freight Route



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Construction Materials and General Items

10.35 Horizon recognises that there will be a role for road-based movement of construction materials and general items to the Power Station Site. Certain sizes of HGVs could use the A55, A5 and A5025 to approach the Power Station Site, recognising the height restrictions along parts of the A55 corridor and the likely need for highway improvements along the A5025 to accommodate additional HGV flows arising as part of the Wylfa Newydd Project (refer to the Road Transport Proposals section for further information).

10.36 The identification of likely environmental impacts (refer to Chapter 9 of the PEI Report) coupled with the draft principles of the ITTS have prompted Horizon to consider ways in which HGV movement could be controlled in order to reduce potential disruption and environmental effects. Horizon is therefore exploring the potential for creating at least one Logistics Centre at an appropriate location close to the Designated Freight Route to manage freight movements associated with the Wylfa Newydd Project. A Logistics Centre would allow the provision of vehicle reception, registration and layover facilities, which in turn would enable the times that freight would be able to travel onward along the Designated Freight Route from the Logistics Centre to the Power Station Site to be controlled. The Logistics Centre could also be used to combine smaller loads onto larger vehicles, which would be a means of reducing the number of onward freight trips made to the Power Station Site by road. On this basis, there would be merit in siting such a centre in proximity to the A55 to ensure that movements along the A5025 between Valley and Wylfa would be controlled.

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Workforce

10.37 It is anticipated that the workforce for the Wylfa Newydd Project would originate from a range of locations. The starting point for journeys would affect the way that members of the workforce choose to travel. Horizon anticipates that use of the road network will be the most efficient option for the majority of the workforce although, as stated previously, considers that there may be a limited role for passenger rail, air and ferry services.

10.38 The draft principles of the ITTS seek to encourage measures to ensure that sustainable modes such as bus services and walking and cycling routes would be available to the workforce and that these would be supported by controls on the demand and potential for using private cars (e.g. limiting the availability of car parking at the Power Station Site). Such measures would combine to encourage more sustainable patterns of worker transport and may form one of a number of green travel planning initiatives for inclusion in the ITTS, which will be developed following this Stage One pre-application consultation.

10.39 It is considered that Park and Ride facilities could also provide a means of supporting the draft ITTS principles in reducing the amount of miles travelled by private vehicle, particularly effective for construction shift-workers with fixed working hours. Options for such facilities are being explored and are described in the Sites Identification section later in this Chapter.

Conclusion

10.40 The preferred modes of transport are principally a combination of sea- and road-based movements directly to the Power Station Site. This aspect of the Wylfa Newydd Project is largely settled.

10.41 The ITTS is likely to include:

- Development of a temporary landing facility at Porth-y-pistyll, to be followed by the development of a MOLF;
- A range of mass-transit solutions, primarily bus-based, for transporting workers between the Power Station Site and areas within the Travel to Work Area[61];
- Park and Ride facilities for construction workers;
- Potential to limit car parking provision at the Power Station to discourage single occupant car journeys;

[61] The Travel to Work Area is a boundary for assuming reasonable daily commuting behaviour to the Power Station Site. This is defined by the two travel to work areas of Holyhead; and Bangor, Caernarfon and Llangefni, as set out in Chapter 7 (socio-economic) of the PEI Report. This area is deemed to be suitable for daily commuting during the construction and operation of the Power Station.

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- Road freight management measures such as a Logistics Centre, to work in conjunction with measures to enforce use of the Designated Freight Route for the Wylfa Newydd Project; and
- Enhancements to the existing transport network, particularly the A5025 between Valley and Wylfa.

10.42 The ITTS would be developed to encompass options with potential for more occasional use such as passenger rail, air and ferry travel for the workforce. In addition, the ITTS would incorporate measures, where practicable, to develop sustainable transport opportunities for short journeys associated with the Wylfa Newydd Project.

Horizon is keen to receive feedback from consultees on the proposed use of sea and road modes for inclusion within the ITTS and would welcome suggestions for further matters that Horizon should consider in developing the ITTS.

Question 9

Do you have any comments on Horizon's draft Integrated Traffic and Transport Strategy (ITTS) principles?

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MOLF Proposals

Context

10.43 Horizon's assessment of transport modes for meeting the anticipated transport demand from the construction activities at the Wylfa Newydd Development Area has concluded that freight should principally be delivered by a combination of sea- and road-based modes. Sea transport would be directly to the Power Station Site through the use of a MOLF. This aspect of the Wylfa Newydd Project is largely settled.

10.44 This section identifies Horizon's key criteria, proposed location and indicative layout of the MOLF.

Horizon would be particularly interested to receive feedback on the way in which a MOLF could be configured at Porth-y-pistyll, including factors that may be considered important in developing the design further.

Approach

10.45 Horizon has explored potential options for a MOLF, drawing on the indicative layout of the Power Station and potential locations for positioning of construction compounds for the Power Station. Taking these factors into account, Horizon envisages that a MOLF structure and location should meet the following criteria:

- Be easily accessible to vessels in terms of navigation and water depth (draught clearance), and offer a space adequate to manoeuvre vessels safely;
- Be available in time to support the Main Construction activities;
- Offer protection to ensure that vessels can reach the MOLF for off-loading of freight. This is referred to as the 'availability' to accept vessels for off-loading;
- Be positioned to bring freight ashore as close to the construction compounds for the Power Station as possible;
- Be capable of handling AILs and bulk materials deliveries required for the Wylfa Newydd Project;
- Seek to avoid or mitigate potential adverse impacts on international, national and locally sensitive environmental receptors, particularly within the marine environment (refer to Chapters 17 and 18 of the PEI Report for further information on Horizon's current understanding of the baseline conditions and potential impacts); and

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- Be available for the operational lifetime of the Power Station, allowing for the occasional delivery of AILs and replacement parts in operation, if required.

Horizon welcomes feedback on the criteria that have been used to shape the layout for the MOLF, including suggestions for additional or amended criteria.

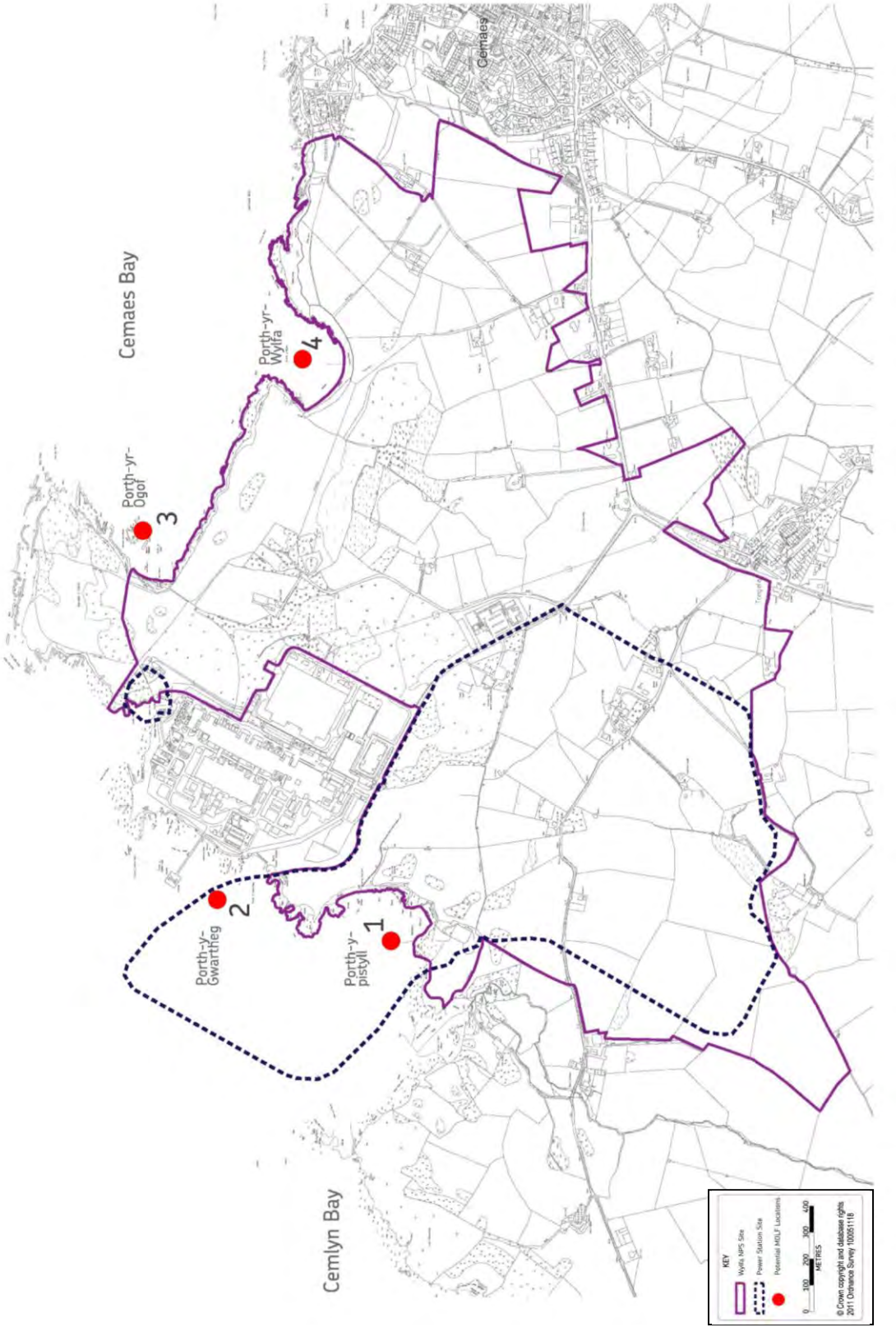
10.46 Horizon initially identified four potential locations for a MOLF in the vicinity of Wylfa and has considered these against the MOLF criteria. (Further information relating to the consideration of alternatives in the development of the Wylfa Newydd Project is provided in Chapter 5 of the PEI Report). These include:

- Site 1: at Porth-y-pistyll, within the western part of the Power Station Site;
- Site 2: located just north of Site 1 at Porth-y-Gwartheg, to the west of the Existing Power Station;
- Site 3: Porth-yr-Ogof to the east of Wylfa Head; and
- Site 4: Porth-y-Wylfa, approximately 500m to the east of Porth-yr-Ogof.

10.47 These locations are shown in Figure 10.2.

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Figure 10.2 Potential MOLF Locations



10.48 Sites 1 and 3 were identified as preferred sites initially. However, following further design work Horizon considers co-location of the MOLF with the breakwater and structures required for the CW intake (refer to Cooling Water System and Breakwater in Chapter 6 for details) to be an important opportunity to deliver efficiency within the Wylfa Newydd Project. Consequently, Site 1 at Porth-y-pistyll is Horizon's preferred location for the MOLF and a largely settled aspect of the Wylfa Newydd Project, offering the following benefits:

- Porth-y-pistyll is a short distance from the potential locations for the construction compounds for the Power Station and would allow the creation of a haul route between these and the MOLF that would not affect the existing 400 kilovolt lines, nor require use of public roads;
- Construction of the MOLF in the same location as the CW intake and breakwaters would consolidate the impacts of construction for these two components of the Wylfa Newydd Project to one location. In addition, concentrating development to the south-west of the Existing Power Station would minimise the footprint of the Wylfa Newydd Project and offer significant health and safety benefits for construction vehicles having to cross the Existing Power Station access road during its decommissioning works. The single consolidated site would also reduce land use for the Wylfa Newydd Project and should contribute to ensuring Power Station Site security;
- Within Porth-y-pistyll, the breakwaters and MOLF would be at least partially screened from views looking west from land to the east by the natural topography and there would only be a short section of the Wales Coast Path from which they would be visible. From seaward, the MOLF and breakwaters would be set against the backdrop of both the Power Station and the Existing Power Station, thus reducing their visual impact; and
- It is intended that the MOLF would be retained for potential future use during the 60 year operational lifetime of the Power Station for transport of large items of plant and equipment that may require replacement. In Porth-y-pistyll, maintaining the MOLF would be easier than it would be in an alternative location, due to the proximity to the Power Station.

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Indicative MOLF layout at Porth-y-pistyll

10.49 Horizon's detailed proposals for the MOLF layout are under development. The general arrangement is largely settled and is likely to include two quay structures, one approximately 100m long and 50m wide and one 155m long and 20m wide (refer to Figure 6.8).

10.50 The shorter of the two quays would be for AILs and the longer would accept deliveries of bulk materials. There would be additional land-side infrastructure necessary, likely to include cranes and conveyors for unloading, haul routes providing connection to the construction compounds for the Power Station, as well as some buildings. Some of this infrastructure would be removed upon completion of the Main Construction stage, such as bulk materials unloading equipment.

10.51 Initial studies suggest that within the body of water protected by the breakwaters at Porth-y-pistyll, access/egress for the MOLF berths would potentially need to be dredged to a depth of approximately -10m Above Ordnance Datum[62] and this may necessitate some blasting activity. The MOLF infrastructure would also include the installation of navigation markers and lighting, highlighting the safe approach channel for vessels.

Question 10

Do you have any comments on Horizon's sea transport proposals?

10.52 Horizon is particularly keen to hear consultee views on:

- The criteria used to shape the design and location of the indicative proposals for the MOLF;
- The proposed co-locating of the MOLF with the CWS at Porth-y-pistyll; and
- The proposed indicative layout for the MOLF.

[62] Above the mean sea level at Newlyn in Cornwall calculated between 1915 and 1921, taken as a reference point for the height data or Ordnance Survey maps. A negative value means that the point is below sea level.

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Road Transport Proposals

Context

10.53 The review of transport modes for meeting the anticipated transport demand from the Wylfa Newydd Project concluded that there will be a need to use the road network. This aspect of the Wylfa Newydd Project is settled.

10.54 This section sets out the potential road transport measures that Horizon has developed in line with the draft principles of the ITTS. Options are presented in order to address the identified constraints on the existing highway network and consultees are invited to select their preferences. Potential measures to assist with the management of vehicles using the road network are also described.

Consultees are welcome to comment on the proposed use of the highway network and Horizon is particularly interested to receive feedback on the measures outlined in this section, specifically where options and potential alignments for highway improvements are presented.

Approach

10.55 Horizon has presented a series of draft principles for creating an ITTS (included within the Transport Modes component description earlier in this Chapter) and envisages that in order to meet the principles, the overall strategy would include the following road transport elements:

- A range of mass-transit solutions, primarily bus-based, for transporting workers between the Power Station Site and specific points within the Travel to Work Area (such as main settlements and railway stations);
- Park and Ride facilities for construction workers;
- Potential to limit car parking provision at the Power Station Site to discourage single occupant car journeys;
- Road freight management measures such as a Logistics Centre, to work in conjunction with measures to enforce use of the Designated Freight Route (refer to Figure 10.1); and
- Enhancements to parts of the existing transport network likely to experience increased use as a result of the Wylfa Newydd Project, particularly the A5025 between Valley and Wylfa.

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Existing Constraints and Deficiencies along the A5025 Corridor (Valley to Wylfa)

10.56 The Designated Freight Route for the Project includes the A5025 between Valley and Wylfa. Horizon is undertaking a Stage 1 scheme assessment along this section of the road network in line with the guidance given in the Department for Transport's Design Manual for Roads and Bridges Technical Directive TD 37/93 – Scheme Assessment Reporting. The purpose of the assessment is to identify the existing constraints and deficiencies along the A5025 from Valley to Wylfa, which may require improvements in order to accommodate additional freight traffic associated with the Wylfa Newydd Project.

10.57 To date, the assessment has been largely desk-based and maps have been used to identify features of the highway network that fall below current highway design standards,[63] such as tight bends, poor visibility and narrow carriageway cross-sections. This assessment will be progressed in further detail upon completion of the relevant survey work, which includes ecological surveys.

Location Specific Constraints

10.58 In discussion with stakeholders, Horizon has identified a number of specific locations where the existing A5025 corridor may be constrained.

- **Valley Junction (A5/A5025):** Anecdotal evidence suggests that this junction may be 'over capacity' in the future even in the absence of the Wylfa Newydd Project. Horizon is in the process of undertaking traffic counts to check whether the anecdotal evidence is accurate and to quantify any capacity issues. If the traffic counts indicate that the existing junction would be over-capacity, then predicted flows,[64] combined with the tight layout of the junction, suggest that an alternative junction type may be more suited to cope with the predicted increase in HGV traffic and provide suitable space for larger vehicles to turn.
- **Llanfachraeth:** The A5025 passes through the centre of the village of Llanfachraeth. Many properties in Llanfachraeth face directly onto the A5025 and the increased construction traffic generation predicted as a result of the Wylfa Newydd Project would be likely to expose residents to increased noise, vibration and emissions, particularly from HGVs. These impacts could affect the environmental quality of the area (further information is provided in Chapter 21 of the PEI Report).

[63] Design Manual for Roads and Bridges (DMRB) Technical Directive TD 9/93 (section 3.11).

[64] Traffic flow predictions for the Project would be prepared following this Stage One pre-application consultation to take proposed transport measures into consideration (e.g. MOLF, Park and Ride facilities and Logistics Centres).

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Llanfachraeth has a high density of properties close to the main road, where driveways and commercial activity may be a safety concern. The position of these buildings also means that there is insufficient space to widen the A5025 through Llanfachraeth.

- **Llanfaethlu:** Llanfaethlu has several properties close to the A5025, with driveways and local highways accessed from it. The horizontal and vertical alignment of the A5025 in the vicinity of Llanfaethlu includes tight bends and climbs that impede visibility near junctions and the free flow of traffic, particularly for larger vehicles. Any increase in traffic, particularly in HGV movements, may impact on Llanfaethlu and affect the environmental quality of the area, as well as the safety of users, particularly at junctions (further information is provided in Chapter 21 of the PEI Report).
- **Llanrhyddlad to Cefn Coch:** This section of the A5025 to the south of Cefn Coch is of a sub-optimal alignment with both horizontal and vertical alignment constraints and sub-standard cross-section and bend widths.

Description of Potential Solutions to Constraints and Deficiencies along A5025 (Valley to Wylfa)

10.59 A series of options have been developed by Horizon, including some indicative potential re-alignments to address the location-specific constraints and deficiencies outlined. Figure 10.3 provides an overview of the main locations where improvements to the A5025 (Valley to Wylfa) are likely to be required, based on the assessment work undertaken to date.

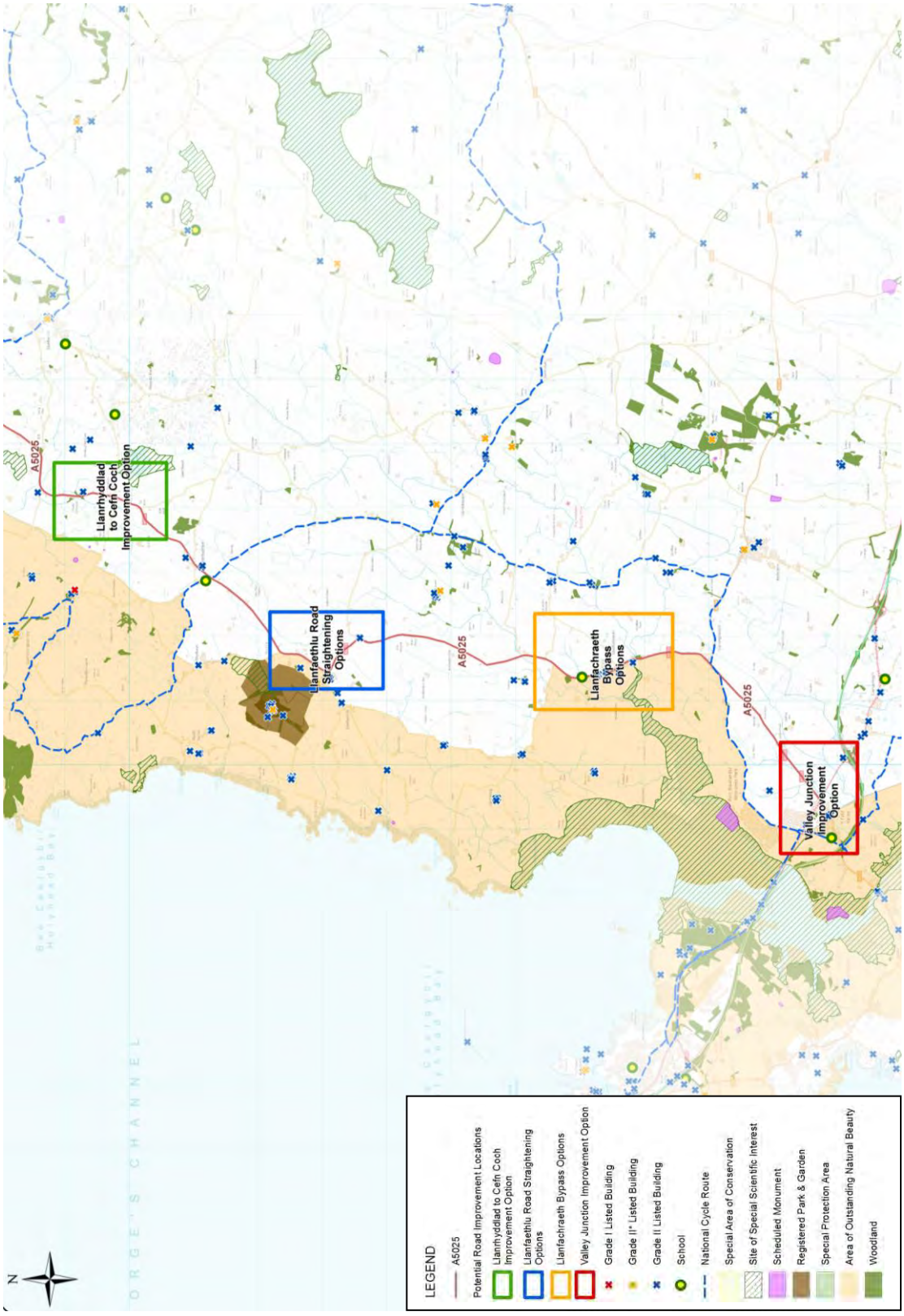
10.60 The options fall into two categories:

- **On-line highway improvements**: This is a term used to describe improvements that are made to the existing road, generally within the existing highway corridor. Such improvements could include:
  - Implementation of localised treatments such as surface colouration, enhanced carriageway marking and signing;
  - Localised widening, where necessary, to achieve minimum road widths to cater for passing HGVs (appropriate widths would be agreed with IACC); or
  - Re-alignment of the carriageway to achieve a more suitable alignment.
- **Off-line highway improvements**: This term is for improvements that involve the construction of new sections of road.

Consultees are invited to comment on the initial options for improvements and suggestions for alternative solutions are welcome.

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Figure 10.3 Overview of Locations for Potential Road Improvements



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Valley Junction Improvement Option

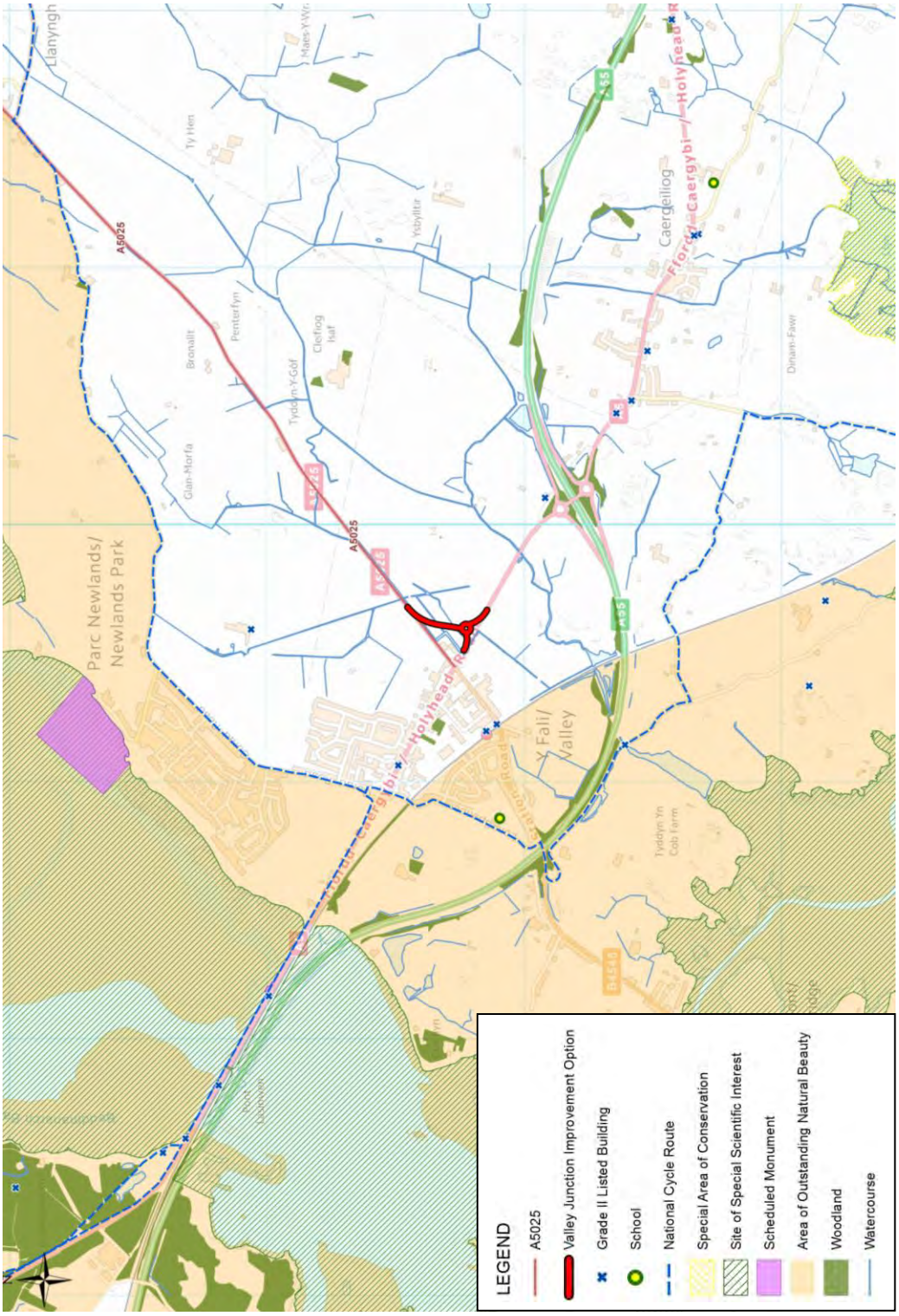
10.61 Horizon is undertaking traffic counts to allow the capacity of this junction to be modelled. Horizon has proposed an indicative alignment for an Off-line highway improvement, the need for which would in large part depend on the outcome of the traffic modelling and EIA work.

10.62 Initially, Horizon considered the provision of a direct link between the A5025 and junction 3 of the A55. However, following discussions with stakeholders, it has been concluded that there would be insufficient space on the A55 roundabout to provide the tie-in and this has therefore not been developed further.

10.63 If a new junction is required, Horizon has a preference for a new alignment including a roundabout, which would bypass the existing crossroads, similar to the option shown in red on Figure 10.4. The new junction would allow traffic using the Designated Freight Route to bypass the centre of Valley. Chapter 21 of the PEI Report provides information about the existing environmental conditions in the vicinity of the Valley Junction and notes that the new alignment would pass through an area acknowledged to be at risk of flooding from nearby rivers, which would need to be addressed through detailed design.

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Figure 10.4 Valley Junction Improvement Option



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Horizon invites consultees to comment on the option presented for improving the A5025 junction at Valley.

Llanfachraeth Bypass Options

10.64 In this location, a bypass to the west of Llanfachraeth was initially considered. However, a road positioned to the west of the village would pass through a SSSI and the Anglesey AONB. These designations mean that the environment is more sensitive to change in terms of biodiversity and landscape to the west of the village than it is to the east. On this basis and taking into account views of stakeholders, further consideration of alternatives to the west of Llanfachraeth was discounted, with work on potential alignments focusing on a corridor to the east.

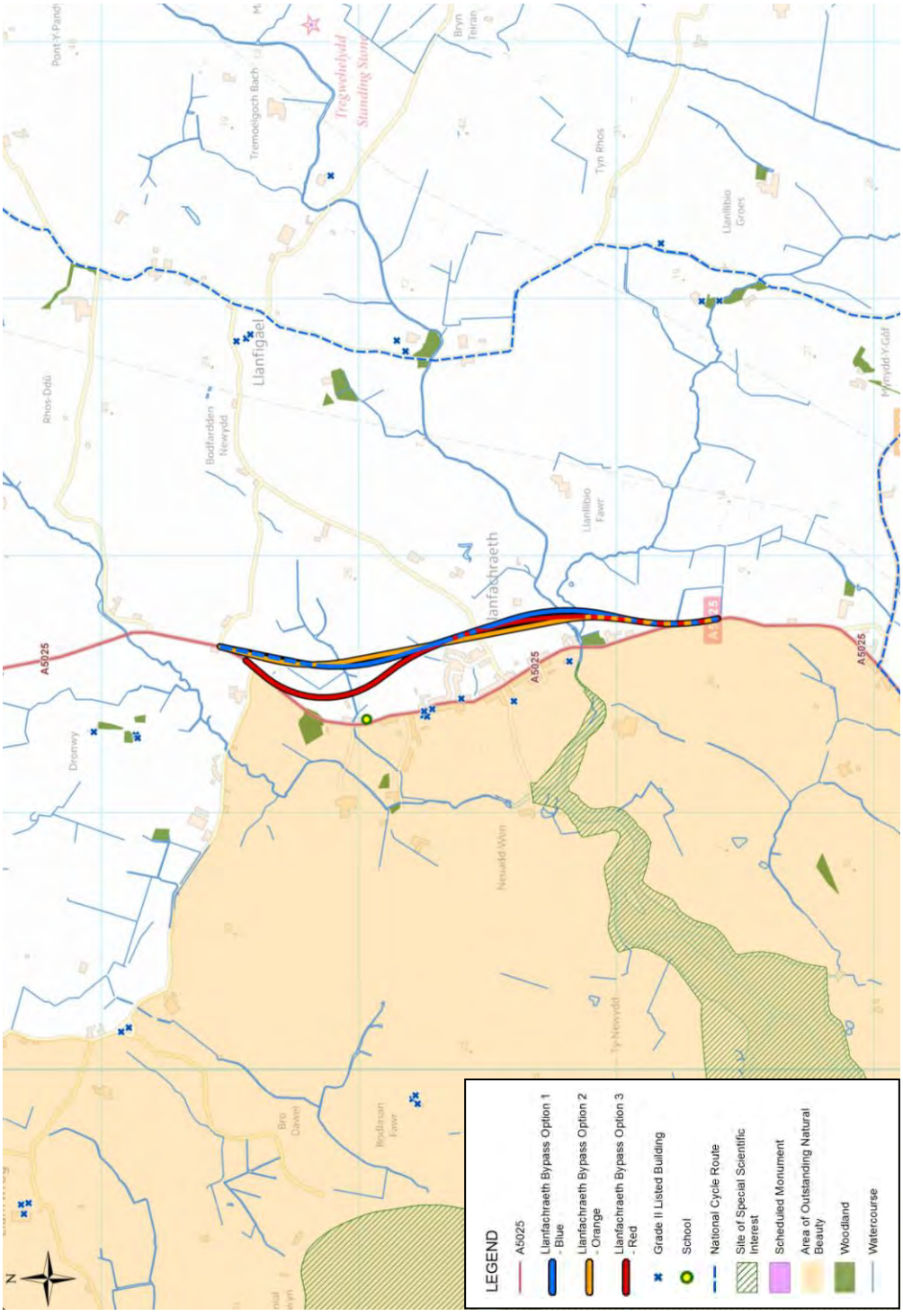
10.65 Within the eastern corridor, Horizon has developed three alignment options that would each bypass Llanfachraeth village, which are shown in Figure 10.5. Chapter 21 of the PEI Report provides information about the existing environmental conditions in Llanfachraeth, which contains a small number of Listed Buildings and a school.

10.66 All three of the options would pass through farmland to the east of the settlement and cross main rivers acknowledged to be in an area of flooding. The main differences between them are:

- Llanfachraeth Alignment 1 (indicated blue) allows for traffic to be routed away from the most sensitive receptors in the centre of the settlement;
- Llanfachraeth Alignment 2 (indicated orange) creates an alignment that is slightly closer to the settlement than Option 1, but would increase overtaking opportunities as the alignment is straighter and would offer clearer visibility for drivers; and
- Llanfachraeth Alignment 3 (indicated red) is the longest of the three options and is the one that most closely follows the existing settlement boundary, bringing it closer to Llanfachraeth. Of the three options, this alignment is also closest to the AONB that extends over land to the west of Llanfachraeth.

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Figure 10.5 Llanfachraeth Bypass Options



Horizon invites consultees to comment on the options presented for addressing issues in Llanfachraeth, including Horizon's proposal to focus any Off-line highway improvements to the east of the settlement.

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Llanfaethlu Road Straightening Options

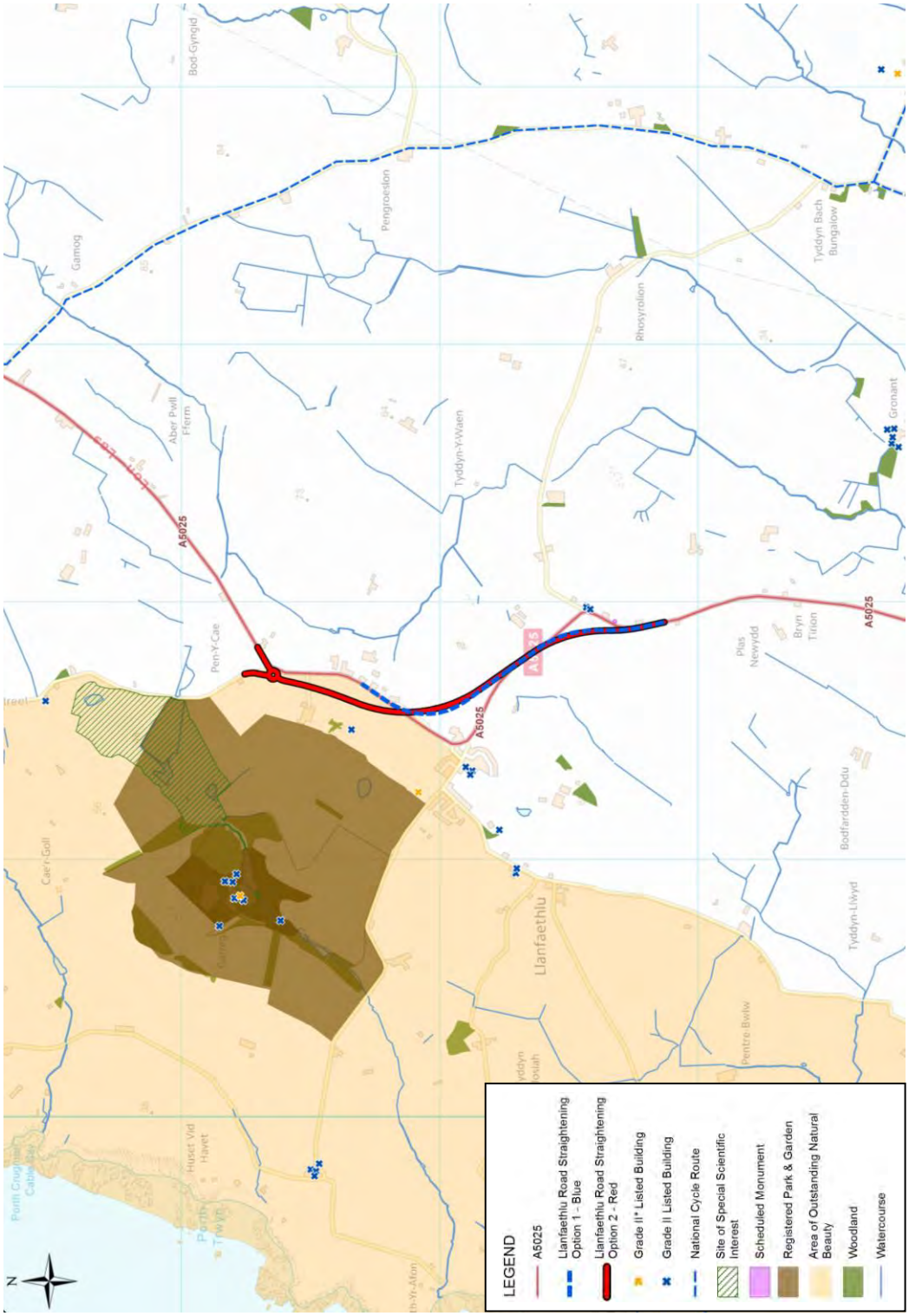
10.67 Horizon has discussed the potential for a bypass to the east of Llanfaethlu with stakeholders but this was not deemed to be a credible route due to the length of road and the potential environmental impacts that may arise from the construction and operation of the road. As an alternative solution with an anticipated lower environmental impact than a bypass, two example alignments are under consideration to straighten the two existing bends along this section of the A5025, as shown in Figure 10.6. Chapter 21 of the PEI Report provides information about the existing environmental conditions in and around Llanfaethlu, which include a number of designated heritage assets and the Anglesey AONB.

10.68 The main differences between the two options are:

- Llanfaethlu Alignment 1 – road straightening (indicated blue) to deliver a more suitable alignment for HGVs. This is the shorter of the two options and would avoid construction within the Anglesey AONB; and
- Llanfaethlu Alignment 2 – road straightening (indicated red) that would also realign the carriageway through Llanfaethlu, moving the road further from residential properties that line the existing A5025 to the north of the settlement and introducing a roundabout junction to the north. This alignment would need to pass partly through the edge of the Anglesey AONB.

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Figure 10.6 Llanfaethlu Road Straightening Options



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Horizon invites consultees to comment on the bend relaxation options presented for addressing issues in Llanfaethlu.

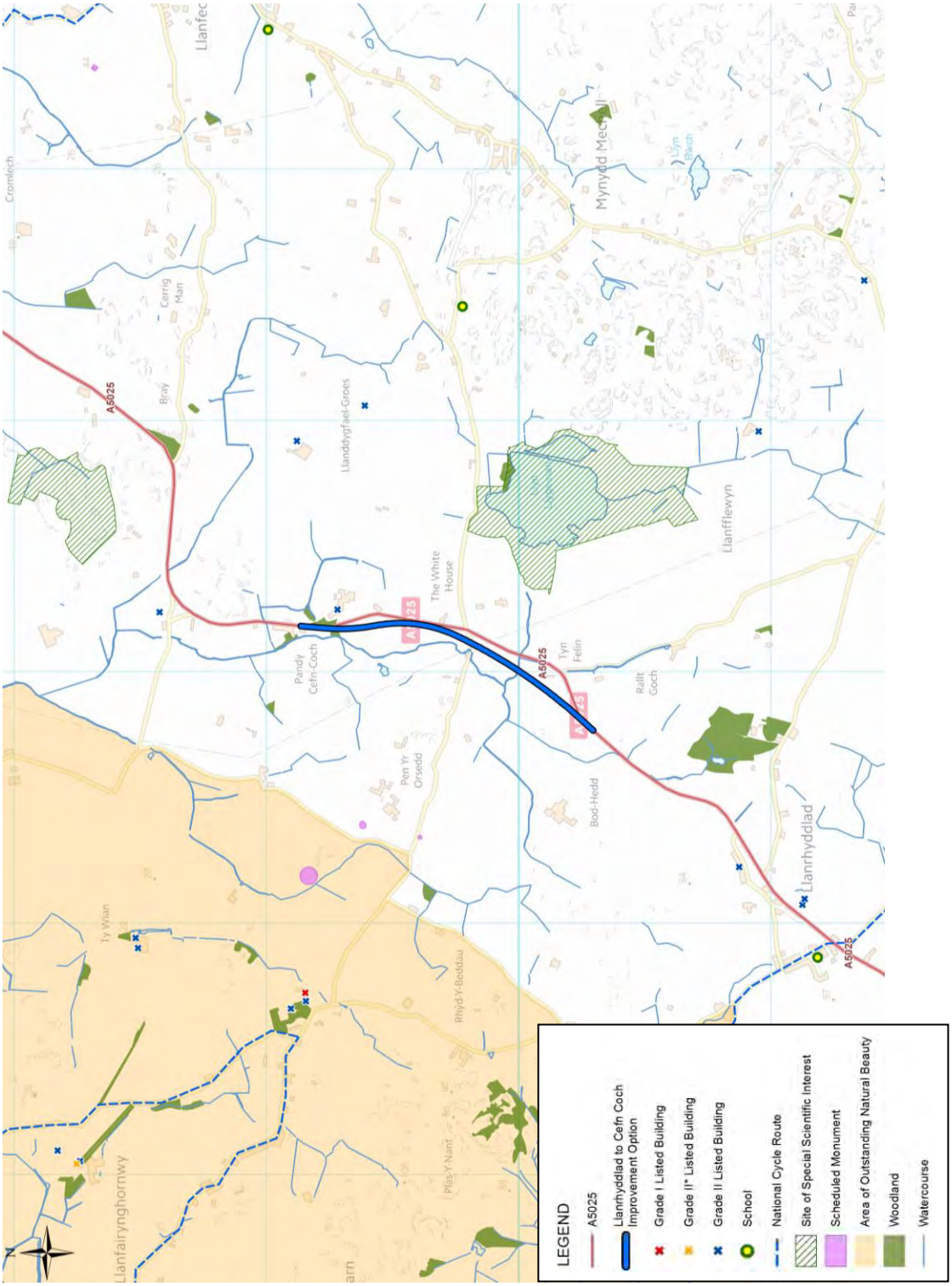
Llanrhyddlad to Cefn Coch Improvement Option

10.69 The section of the A5025 to the south of Cefn Coch does not meet the required standards in terms of alignment for the safe and easy passage of HGVs. To address the constraints in this area, a bypass is being considered. A potential alignment within a broader corridor is shown in Figure 10.7.

10.70 Chapter 21 of the PEI Report provides information about the existing environmental conditions in and around this section of the A5025. The alignment option would provide a straighter and more direct section of road that would be further from the Llyn Llygeirian SSSI than the existing route. It would cross farmland within the locally designated Special Landscape Area, and also cross a number of minor ditches and, potentially, an existing footpath.

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Figure 10.7 Llanrhyddlad to Cefn Coch Improvement Option



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Horizon invites consultees to comment on the example alignment for addressing issues along the A5025 between Llanrhyddlad and Cefn Coch.

Additional Road Transport Measures

Park and Ride Facilities

10.71 Horizon intends to establish Park and Ride facilities for construction workers, which could be particularly efficient in transporting those who may be working a fixed shift pattern. Details of the proposed approach for identifying and evaluating potential sites for Park and Ride facilities are provided in the Sites Identification section in this Chapter.

10.72 It is currently anticipated that Park and Ride facilities would only be available to transport the construction workforce. Horizon intends to work with IACC to consider the potential for legacy benefits for the wider community that could be realised through conversion of development sites, potentially including Park and Ride facilities, once they are no longer required to support the Wylfa Newydd Project. This is discussed in brief in Chapter 11.

Bus Services for Construction Workforce

10.73 Horizon intends to consider the role of bus services to and from the Wylfa Newydd Development Area. These could follow a set route picking workers up at settlements and transport nodes (such as railway stations) on Anglesey, dependent upon the demand and distribution of members of the workforce. This could form one of a number of sustainable transport initiatives within the ITTS and would be in addition to bus services that would be provided from Off-Site Temporary Worker Accommodation.

Logistics Centre

10.74 Horizon is considering establishing at least one Logistics Centre to manage road freight travelling to the Wylfa Newydd Development Area. Horizon envisages that a Logistics Centre would be a secure facility, capable of receiving vehicles up to 24 hours per day at periods of greatest demand. The principal role of the Logistics Centre would be to manage the onward flow of construction traffic to the Wylfa Newydd Development Area, particularly to allow traffic during peak hours to be controlled, and enable consolidation of loads into a fewer number of deliveries, as necessary. Details of the proposed approach for identifying and evaluating potential sites for this type of facility are provided in the Sites Identification section in this Chapter.

10.75 Consultees are encouraged to consider opportunities for legacy benefits in commenting on the proposals for at least one Logistics Centre, with reference to Chapter 11.

Horizon is interested to hear consultee views on the idea of creating at least one Logistics Centre and Park and Ride facilities and invites nominations for potential sites for developing this type of facility.

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Summary of Road Transport Activities

10.76 Table 10.1 outlines the main activities associated with road transport during each of the Wylfa Newydd Project development stages. This includes roads affected during the Enabling Works stage, described in Chapter 7.

Table 10.1 Road Transport Proposals – Summary of Component

	Enabling Works Stage	Main Construction Stage	Full Operation Stage
Power Station Site	• Stopping up of Cemlyn Road (refer to Chapter 7 for further information)	• –	• –
Wylfa Newydd Development Area (excluding Power Station Site)	• Construction of Power Station Access Road	• –	• –
Off-Site	• On-line and Off-line highway improvements (as required) • Construction of Park and Ride facilities • Construction of Logistics Centres • Bus services to transport construction workforce	• On-line and Off-line highway improvements (as required) • Operation of Park and Ride facilities • Operation of Logistics Centres • Bus services to transport construction workforce • Conversion of transport facilities to legacy use in accordance with the strategy	Transfer of transport facilities to legacy use in accordance with the strategy
Community Aspects	The implementation of highway improvements would have implications for users of the affected road network and residents and businesses within the communities closest to the works. Other transport measures may offer the potential for legacy benefits, discussed further in Chapter 11.		

Question 11

Do you have any comments on Horizon's road transport proposals?

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10.77 Horizon is particularly keen to hear consultee views on:

- The initial option for Off-line highway improvements at A5025 Valley;
- Initial options for Off-line highway improvements, to provide a bypass to the east of Llanfachraeth;
- Initial options for Off-line highway improvements to provide bend relaxation at Llanfaethlu;
- The initial option for Off-line highway improvements between Llanrhyddlad and Cefn Coch;
- Suggestions for highway improvements along Nanner Road;
- Emerging proposals for the provision of Park and Ride facilities (also with reference to the Sites Identification section of this Chapter);
- Potential to introduce bus services to transport the construction workforce; and
- The potential to build at least one Logistics Centre (also with reference to the Sites Identification section of this Chapter).

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Worker Accommodation Strategy

Context

10.78 The construction of the Power Station is anticipated to require a workforce that could reach 8,500 during peak periods, as illustrated in Figure 9.1. In addition, there would be a requirement for a smaller number of workers for the construction of Associated Development, which would commence in the Enabling Works stage of the Project. Horizon is developing measures to seek to draw a proportion of the construction workforce required for the Wylfa Newydd Project from the local resident population; however, it is anticipated that there would also be a need for construction labour to be sourced beyond the local area.

10.79 This section includes the draft principles for Horizon's Worker Accommodation Strategy, which will seek to ensure that members of the construction workforce who are not local residents can be accommodated in a manner that balances likely demand with managing impacts on the existing communities and environment on Anglesey. The section provides an overview of the different types of accommodation that might be suitable for this proportion of the workforce.

Approach

10.80 Horizon has considered issues surrounding the identification of accommodation for construction workers who do not already live locally. Work undertaken to date has focused on the following:

- Defining Horizon's draft principles for a Worker Accommodation Strategy;
- Exploring and defining the likely requirements for accommodating Power Station construction workers throughout the Main Construction stage and when these requirements would be expected;
- Developing a detailed understanding of the existing environmental baseline conditions on Anglesey using a geographic information system that catalogues and maps key pieces of information such as environmental designations and settlement boundaries, covering datasets that are linked to the draft principles for the Worker Accommodation Strategy;
- Using this knowledge to inform the identification of potential locations, in broad terms, for the provision of Temporary Worker Accommodation and other types of Associated Development; and

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- Developing a staged approach to screen and evaluate potential sites for Temporary Worker Accommodation, which can inform the identification of preferred options. This process aims to identify sites that would represent the best strategic fit with Horizon's requirements, taking account of the potential benefits of co-locating Temporary Worker Accommodation with Park and Ride facilities, as well as considering the evolving planning policy context.

10.81 Work is yet to be undertaken to understand the size of the construction workforce that may be needed for Associated Development, principally during the Enabling Works stage of the Project, although this is anticipated to be substantially less than the numbers projected for the construction of the Power Station. Additional information relating to this proportion of the construction workforce will be included in the Stage Two pre-application consultation.

Size of Construction Workforce and Demand for Accommodation

10.82 Horizon's indicative projection of the size of the construction workforce that would be needed for constructing the Power Station and how it may vary over the Enabling Works and Main Construction stages is provided in Figure 9.1.

10.83 Horizon has assumed, for the purposes of developing the draft principles for the Worker Accommodation Strategy, that construction workers living within the Travel to Work Area[65] reside sufficiently close to the Power Station Site that they would be unlikely to require separate accommodation. For construction workers who live beyond the Travel to Work Area, Horizon needs to understand to what extent workers may be able to use existing bedspaces closer to the Power Station Site and use this knowledge to ascertain how much additional accommodation would be needed for use by workers.

[65] The Travel and Work Area is defined by the two travel to work areas of Holyhead; and Bangor, Caernarfon and Llangefni, as set out in Chapter 7 (socio-economic) of the PEI Report. This area is deemed to be suitable for daily commuting during the construction and operational phases of the Power Station.

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10.84 IACC encourages a strategic approach to planning for construction worker accommodation within the Wylfa SPG. For the purposes of meeting construction worker accommodation requirements, IACC proposes the assumption that one third of workers will occupy private rented accommodation, one third will use tourist accommodation and one third will occupy purpose-built accommodation, unless any future evidence can demonstrate that a different mix would be more suitable.[66] The Wylfa SPG also makes reference to identifying opportunities to use existing redundant buildings such as schools for conversion into construction worker accommodation.[67] Horizon intends to consider the proposed distribution of workers further as the Wylfa Newydd Project evolves and once there is greater certainty about the capacity of the private rental and tourism sectors.

10.85 Once operational, the Power Station is anticipated to employ up to 1,000 workers. Horizon does not currently anticipate that the Worker Accommodation Strategy would need to specifically address this aspect of demand, on the basis that people accepting operational posts would either already reside in the vicinity of the Power Station or intend to source accommodation suited to their individual circumstances.

10.86 In addition to the operational workers, during planned periods of Power Station outage for maintenance it is estimated that approximately 1,000 additional workers may need to be accommodated within easy reach of the Power Station Site on a temporary basis. These periods of outage are anticipated approximately every 18 months for a period of around 25 days each. This is based on the anticipated fuel cycle of the nuclear technology and outages would be staggered between the two units such that one unit would be working during maintenance on the other. At present, Horizon is working on the assumption that there will be sufficient capacity within the rental and tourist accommodation sector to meet this demand and this is not therefore addressed in the Worker Accommodation Strategy.

Draft Principles for Worker Accommodation Strategy

10.87 Horizon has produced draft principles for the Worker Accommodation Strategy, which will be developed following this Stage One pre-application consultation. The draft principles take into account issues raised within the Wylfa SPG, the Wylfa Nuclear New Build Construction Workers Accommodation Position Statement (March 2011), housing need and assessment work published by IACC and key health, Welsh language and cultural factors. The draft principles recognise that different types of accommodation are likely to be required and they are to seek, where practicable, to:

[66] Wylfa SPG, July 2014, GP10, page 65
[67] Wylfa SPG, July 2014, GP10, page 65

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- Identify and optimise the potential to use existing available bedspaces to accommodate members of the construction workforce prior to considering options for increasing supply;
- Facilitate a range of options to offer the workforce appropriate choices and flexibility in accommodation types and sizes and develop measures to match supply to demand, responding to expected workforce needs;
- Identify a Broad Area of Search and apply evaluation criteria for sites within this area that are potentially suitable for the construction of Temporary Worker Accommodation, taking the following accessibility, socio-economic and cultural factors into consideration:
    - Access to public and/or mass-transit opportunities for travel to the Wylfa Newydd Development Area;
    - Opportunities to meet sport, leisure and recreation demands within potential sites;
    - Availability of personal healthcare services (e.g. doctors, dentists and opticians) to the construction workforce;
    - Access to urban and local service centres, as defined in the draft JLDP, to meet additional demand from the construction workforce (e.g. public houses, restaurants);
    - Avoiding long-term reliance on tourist accommodation to ensure any adverse effects on the tourist market, particularly during the peak season, are reduced;
    - Avoiding significant adverse effects on sensitive environmental receptors; and
    - Avoiding the development of land at the highest category of risk of or from flooding (zone C2), as defined in Welsh Government Technical Advice Note 15 – Development and Flood Risk.
- Consider the potential for the Temporary Worker Accommodation sites and other construction workforce initiatives to deliver legacy benefits once they are no longer needed to support the construction of the Wylfa Newydd Project.

Horizon welcomes feedback on the draft principles for the Worker Accommodation Strategy presented here.

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Potential Accommodation Types

10.88 Horizon recognises that construction workers will have different accommodation needs, preferences and expectations. Options identification also recognises that the composition of the workforce would change as the Wylfa Newydd Project moves from the Enabling Works stage to the Main Construction stage. A number of options exist for accommodating workers and Horizon currently anticipates that the Worker Accommodation Strategy would comprise a combination of using capacity in existing accommodation/housing stock and the creation of additional Temporary Worker Accommodation. In brief, the options are considered to be the following:

- Tourist Accommodation – Anglesey has a substantial stock of tourist bedspaces appealing to a range of people and budgets, including caravan parks; bed and breakfasts; hotels and self-catering short-term lets. In exploring the potential offered by this sector, consideration needs to be given to seasonality and Horizon's draft Worker Accommodation Strategy principles seek to avoid constraining the existing tourist market;
- Private Rented Sector – this would be suited to construction workers seeking a more permanent base in the long-term and may be sought by some as a stepping stone to purchase;
- Purchase of Existing Housing Stock – this would be best suited to long-term use, catering for those looking to relocate to the area; and
- Temporary Worker Accommodation – this would be large scale and bespoke, most likely to be a campus-style with a minimum of 500 bed spaces on any one site, located to accord with the draft principles of the Worker Accommodation Strategy and the site evaluation methodology (see Site Identification section later in this Chapter). It would be designed for short-term occupation but could be a stepping stone to other options. This sort of accommodation type would support sufficient numbers of people to warrant the provision of site-specific sport, leisure and recreational facilities and key services, thus avoiding placing undue pressure on existing community infrastructure.

10.89 Horizon anticipates that the Worker Accommodation Strategy would focus on two aspects of meeting demand:

- Implementing measures for optimising the use of existing tourist bedspaces and housing stock by the workforce; and
- Meeting the requirement for Temporary Worker Accommodation and amenities.

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Optimising Use of Housing Stock

10.90 Horizon would encourage use of the existing housing stock to maximise potential for accommodating workers who are not resident within the Travel to Work Area. Horizon is therefore considering a range of initiatives to assist with the management of existing housing stock and encouraging existing property owners to enhance the quality and suitability of housing to meet anticipated demand from workers.

Horizon is keen to receive suggestions from consultees for potential initiatives that may be welcomed for enhancing housing stock or encouraging occupation of vacant properties by members of the construction workforce.

Temporary Worker Accommodation

10.91 Horizon envisages that there would be a need to develop at least one Off-Site Temporary Worker Accommodation site to provide sufficient capacity to meet likely shortfall in capacity within existing bedspaces.[68]

10.92 As the operational requirements of the Main Construction stage become clearer, it is likely that Horizon would explore the opportunities for accommodating bed spaces in the Wylfa Newydd Development Area which would be for key staff members that need to be based close to the Main Construction activities. In considering such opportunities, Horizon would also ensure that implications and interaction with other aspects of the Wylfa Newydd Project, such as the phasing of the Landscape and Biodiversity Masterplan, are addressed.

[68] This shortfall has not yet been quantified. Horizon has engaged with IACC and other stakeholders to explore the capacity of existing accommodation and will be developing this area of work following the Stage One pre-application consultation process.

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Sites Identification – Park and Ride Facilities, Logistics Centre and Off-Site Temporary Worker Accommodation

Context

10.93 This section sets out Horizon's proposed approach to the identification of specific sites for Park and Ride facilities, at least one Logistics Centre and Off-Site Temporary Worker Accommodation as Associated Development for the Power Station.

10.94 An area of search termed the Broad Area of Search has been defined for potential sites, underpinned by selection criteria. This section outlines the factors Horizon plans to consider to evaluate the suitability of sites that may be identified within the Broad Area of Search with reference to meeting Horizon's functional requirements for such facilities. In considering potential sites, Horizon is exploring the potential for creating mixed-use developments through co-location of Associated Development uses. Horizon plans to use a site evaluation methodology to consider the suitability of sites within the Broad Area of Search, including sites that may become known to Horizon following this Stage One pre-application consultation.

Horizon wishes to gather suggestions for potential sites for Park and Ride facilities, at least one Logistics Centres and Off-Site Temporary Worker Accommodation. Suggestions for possible longer term uses of sites once the Power Station is operational would be welcomed. Consultees are also invited to propose land to be considered through the sites evaluation process.

Approach

Off-Site Temporary Worker Accommodation

10.95 The draft principles for the Worker Accommodation Strategy for the Wylfa Newydd Project assume a likely need for a proportion of the construction workforce to occupy purpose-built Temporary Worker Accommodation. This sort of accommodation type would support a minimum of 500 people on any one site, which is considered by Horizon to be a sufficient number of people to warrant the provision of sport, leisure and recreational facilities and key services alongside Temporary Worker Accommodation. The approximate size for a 500 bed temporary worker accommodation site is estimated to be between two and three hectares. Proximity of the Temporary Worker Accommodation sites to the Power Station Site is also a key consideration for the efficient management of construction activities. The factors that would be considered in evaluating sites reflect these requirements.

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Logistics Centre

10.96 The construction of at least one Logistics Centre is proposed to form part of the ITTS for the Wylfa Newydd Project, as outlined in the Transport Modes and Road Transport Proposals sections of this Chapter. Such a centre would need to be appropriately sited and sized to support delivery and storage of freight and some queuing and/or layover of HGVs, estimated to be between two and four hectares. Goods and materials would be consolidated into onward deliveries to the Wylfa Newydd Development Area, as appropriate, to efficiently meet the requirements of the construction programme. Proximity to the Designated Freight Route for the Project is a key consideration and it is recognised that the optimum location is likely to be a short distance from the A55 dual carriageway, on the basis that this would allow consolidation of loads and management of HGV trips prior to freight traffic using the single-lane A5025 between Valley and Wylfa.

Park and Ride Facilities

10.97 Park and Ride facilities for construction workers are proposed to form part of the ITTS for the Wylfa Newydd Project. These facilities would act as hubs for the transfer of construction workers from private vehicles to other shared modes of transport, currently anticipated to be buses. The approximate size for a 500 space facility is estimated to be between 1.5 and 2 hectares. Park and Ride facilities would allow Horizon to manage the amount of private vehicle trips made between the facilities and the Wylfa Newydd Development Area. Horizon has developed criteria for the selection of sites that focus on the more accessible parts of Anglesey to appeal to a broad potential user catchment.

10.98 It is anticipated that further transport work would explore the potential benefits of establishing Park and Ride facilities on the mainland. This would be best suited to those living within the mainland part of the Travel to Work Area or beyond and could be particularly effective in limiting the number of vehicles travelling between the mainland and Anglesey. Further information will be provided at Stage Two pre-application consultation.

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Broad Area of Search

10.99 Horizon has identified a Broad Area of Search for sites required for Associated Development needed to support the construction of the Power Station. This Broad Area of Search represents preferred areas for evaluating potential development sites, and has been defined to include areas that satisfy the following criteria:

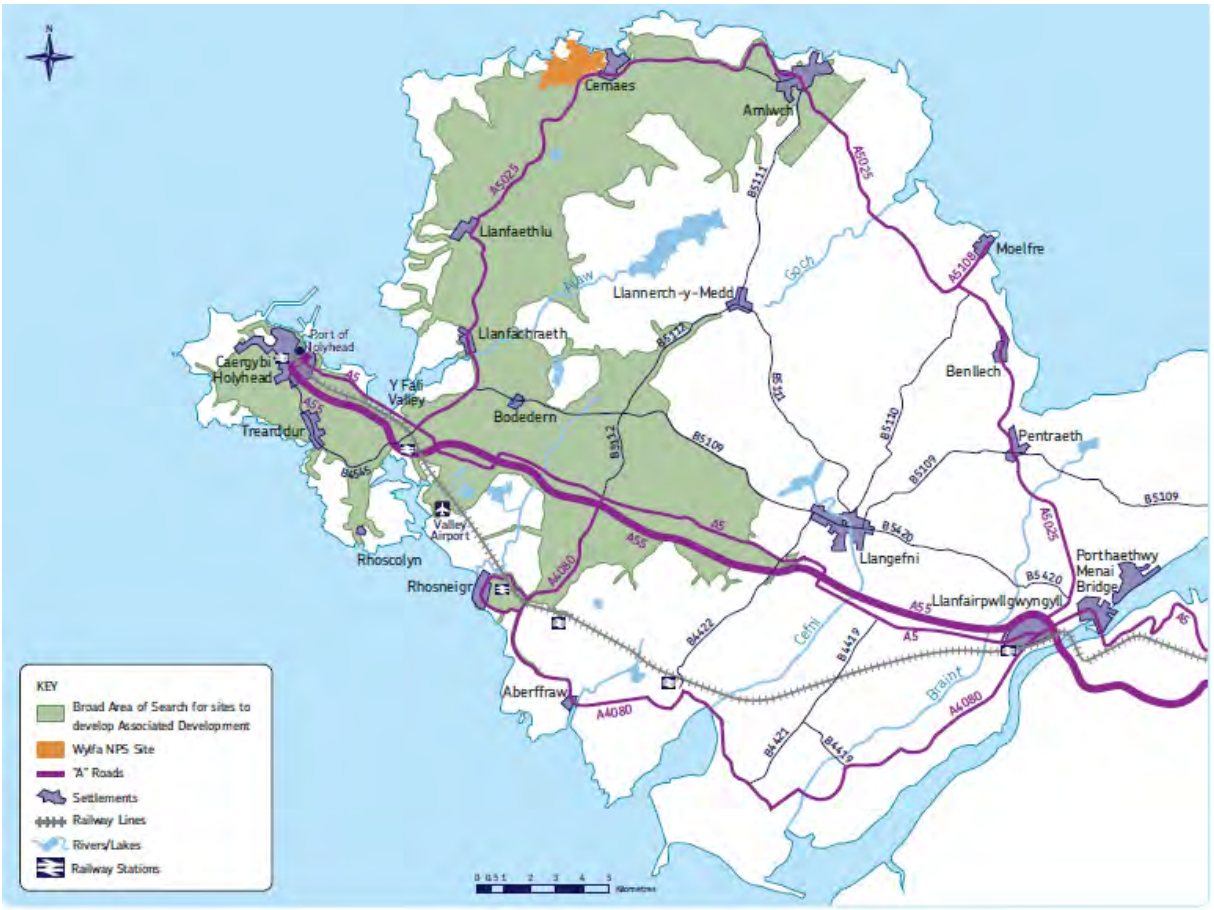
- Land is within 30 minutes drive time of the centre of the Power Station Site; and
- Land is within 10 minutes drive time of a junction on the A55 and the A5025 between Valley and Amlwch; and
- Land is not within the following designations (refer to Figure 3.3):
- SAC;
- SPA;
- Ramsar sites;
- SSSI;
- World Heritage Site[69]; and
- Flood Risk Zone C2, as defined by Welsh Government Technical Advice Note 15 – Development and Flood Risk

10.100 The area of search criteria have been mapped using a geographic information system. The three criteria have been overlain and the Broad Area of Search comprises the land that satisfies all of the requirements. The resultant boundary is illustrated in Figure 10.8.

[69] A historic site, area or feature of cultural or natural heritage recognised in the Convention concerning the Protection of the World Cultural and Natural Heritage, adopted by United Nations Educational, Scientific and Cultural Organization (UNESCO) in 1972.

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Figure 10.8 Broad Area of Search for Park and Ride Facilities, Logistics Centres and Off-Site Temporary Worker Accommodation



Consultees are invited to comment on the Broad Area of Search.

Identification of Sites

10.101 Horizon intends to use the Broad Area of Search as an initial screening process, meaning that in order to be considered further, potential sites must fall within the Broad Area of Search boundary. In addition, to be considered for the potential siting of Logistics Centres and Park and Ride facilities, land would need to be in proximity to the A55 corridor (as opposed to the A5025 corridor) in order to offer the opportunity to control and reduce traffic movements along the A5025.

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10.102 The suitability of sites within the Broad Area of Search would then be reviewed and evaluated in relation to the following relevant functional, environmental and planning policy considerations, in sequence:

- Exceedence of a minimum size threshold of 1.5 hectares;
- Satisfaction of Horizon's functional requirements for different configurations and combinations of use types (i.e. single use, a combination of two uses, or all three uses on one site);
- Avoidance of land identified in the emerging JLDP as green land or green wedges;
- Proximity of potential sites to sensitive land use types, including residential development, hospitals, schools, SACs, SPAs, Ramsar sites, SSSIs and the Anglesey AONB;
- Proximity of potential sites to Urban and Local Service Centres defined in the draft JLDP; and
- Review of known environmental constraints to development (refer to Chapter 21 of the PEI Report), strategic fit with existing and emerging planning policy and guidance, viability and potential legacy opportunities.

10.103 To date, Horizon has identified potential sites within the Broad Area of Search from the following sources:

- Sites contained with the Candidate Sites Register for the JLDP, which is held by the Joint Planning Policy Unit (JPPU);[70]
- Sites with extant planning permission that have not yet been developed (using data provided by the JPPU);
- Sites known to the JPPU that have been presented by landowners as potentially suitable for development, subsequent to the closing date for inclusion within the Candidate Sites Register; and
- Sites identified on behalf of Horizon through discussion with local land agents in early 2014.

Horizon is keen to receive nominations from landowners with land holdings that fall within the Broad Area of Search, should they wish to have their land considered for Associated Development.

[70] The merger of the Gwynedd Council Planning Policy Unit and the Isle of Anglesey County Council Planning Policy Unit.

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10.104 Horizon will also review any potential additional sites within the Broad Area of Search nominated by consultees and landowners in response to this Stage One pre-application consultation. Further information, including Horizon's preferred sites, will be included in the Stage Two pre-application consultation.

Question 12

Do you have any comments on the Broad Area of Search or suggestion for sites Horizon could develop for Park and Ride facilities, Logistics Centres and Temporary Worker Accommodation?

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11 Legacy Benefits and Community Facilities

11.1 It is important for Horizon to consider how certain aspects of its proposals may affect local communities and ensure that appropriate measures to realise potential benefits and reduce the likelihood of potential adverse effects are considered sufficiently early to allow their effective integration into the Wylfa Newydd Project. The management of these aspects is important to develop a sustainable Wylfa Newydd Project and to ensure a positive legacy for the communities across Anglesey, North-West Wales and beyond.

11.2 Benefits flowing from the Wylfa Newydd Project could be realised in three main areas:

- Job creation and contracts flowing from the multibillion pound construction works and subsequent operation of the Power Station, particularly for local residents and businesses (refer to Chapter 9 of this Document and Chapter 7 of the PEI Report);
- The lasting 'legacy benefit' opportunities from necessary supporting infrastructure and Associated Development or other activities to mitigate potential environmental impacts and likely environmental effects predicted to arise from the Wylfa Newydd Project (refer to Chapters 9 and 11 of this Document and Chapter 21 of the PEI Report); and
- Substantial community benefit payments from the UK and Welsh Governments, in accordance with the UK Government announcement made on 17 July 2013.[71]

11.3 This Chapter sets out Horizon's Project proposals to realise benefits in relation to the Wylfa Newydd Project legacy and community facilities.

Legacy Benefits

11.4 This section sets out the way in which Horizon intends to realise the potential future benefits of the Associated Development and infrastructure needed for the Wylfa Newydd Project. It outlines activities undertaken to date as part of mitigating the biodiversity and ecological impacts of the Wylfa Newydd Project, which are already delivering benefits. It also provides an overview of the potential areas where the legacy use of Project components is under consideration and consultees are encouraged to suggest further options.

11.5 Horizon is engaged with IACC, Anglesey Energy Island Programme and key local stakeholders to understand opportunities to realise the considerable potential for legacy benefit for Anglesey from the Wylfa Newydd Project.

[71] https://www.gov.uk/government/news/communities-to-benefit-from-hosting-nuclear-power-stations [Accessed: 10.09.2014]

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Potential for Legacy Benefits

11.6 Horizon recognises that investment in relevant infrastructure and mitigation measures identified through the EIA process will be required to manage the impacts of the Wylfa Newydd Project on Anglesey's communities and environment. Horizon also intends to deliver a number of community facilities as part of the Wylfa Newydd Project, details of which are provided in the next section of this Chapter. This investment has the potential to deliver a positive legacy for Anglesey.

11.7 In addition to the measures outlined elsewhere in this Chapter, Horizon considers the following developments to offer potential for legacy benefits:

- Highway Improvements – where possible, highway improvements would be designed as permanent enhancements as opposed to temporary provision. Horizon intends to work with communities to understand local issues and consider appropriate enhancements, particularly where bypasses are presented as potential options (refer to Road Transport Proposals in Chapter 10 for further details);
- Health Service Provision – Horizon intends to ensure that healthcare service provision would meet the anticipated increased demand from the Wylfa Newydd Project workforce. Horizon is exploring the most appropriate means of delivering this provision with stakeholders and whether any proposed solutions could be incorporated into the community following the Main Construction stage, as a legacy benefit;
- Re-development of Temporary Worker Accommodation – the overall Worker Accommodation Strategy will be developed following this Stage One pre-application consultation and Horizon is mindful of the potential for a legacy benefit. Leisure and recreation service provision for the workforce and the legacy benefits of this will be considered during the production of the Worker Accommodation Strategy;
- Enhancement of Existing Housing Stock – Horizon is considering a range of initiatives to assist with the management of existing housing stock and encourage property owners to enhance the quality and suitability of housing to meet anticipated demand, particularly from construction workers. Careful and targeted investment could help to ensure that Horizon contributes to the creation of accommodation that has longer term potential for adaptation or transfer to tourism;
- Sustainable Transport Options – Horizon intends to consider how public transport services could deliver a legacy benefit from increased connectivity and levels of sustainable transport provision available for residents and visitors to Anglesey. The Public Access and Recreation Strategy would also

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include proposals for enhancing walking and cycling connectivity, which would offer potential legacy benefits;

- **Re-development of Park and Ride facilities and Logistics Centres** – Horizon will consider whether there is a role for Park and Ride facilities and Logistics Centres sites, once identified, to continue to support the operation of the proposed Power Station. In addition, there could be potential for these sites to serve as logistics hubs for future construction projects and major destinations such as Holyhead Port and/or business development; and
- **Biodiversity and ecological activity** – the Landscape and Biodiversity Masterplan, would include detail on habitat enhancement and creation, as well as targeted biodiversity mitigation measures. Horizon has already completed a number of measures to mitigate potential impacts of the Project on protected species. These include the construction of specially designed bat barns, erection of a wildlife tower to support a range of species and habitat enhancements including developing a small wildlife pond and introducing locally sourced native trees. Horizon is also partnering with North Wales Wildlife Trust to develop a tree nursery on Anglesey, which would provide some of the plants that would be needed by the Project in years to come.

11.8 Consultation responses will allow Horizon to take into account the views of communities and other stakeholders and help Horizon to develop the Wylfa Newydd Project with beneficial legacies that contribute to sustainable development.

Horizon is keen to hear consultee views on the potential legacy opportunities outlined here. In addition, suggestions for additional or alternative legacy opportunities would be welcome.

Community Facilities

11.9 There are some existing community facilities that would be affected by the construction and operation of the Power Station, including the Wylfa Sports and Social Club and public access and recreation in the Wylfa Newydd Development Area. This section outlines the way in which Horizon intends to reduce the potential impacts of the Project on these existing community facilities by ensuring that, as far as is practicable, the quality and range of community facilities would be maintained or improved. Horizon has begun to consider how alternatives to existing community facilities could be provided and initial options are outlined in this section.

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Wylfa Sports and Social Club

11.10 The existing Wylfa Sports and Social Club, which is supported by Magnox Limited, would need to be relocated from its existing premises during the Enabling Works stage (early 2016 onwards). In order to ensure continuity, Horizon is planning to provide new premises to facilitate relocation of the Wylfa Sports and Social Club. It is Horizon's preference for the facilities to be located at the Wylfa Gateway Complex site (refer to Figure 6.1). This aspect of the Wylfa Newydd Project is largely settled.

11.11 The Wylfa Gateway Complex would be near to the existing Wylfa Sports and Social Club, which would make this location convenient for current users of the facility. In addition, the Wylfa Gateway Complex would contain alternative premises for other facilities that would need to be relocated during the Enabling Works stage and is also Horizon's preferred location for the new visitor centre.

11.12 Horizon is also considering options for long-term leisure facilities, including the following:

- Developing new sports and leisure facilities in nearby communities for shared use by the construction workforce and members of the community;
- Investing in upgrading existing sports and leisure facilities in nearby communities; or
- Developing, as far as practicable, a long-term facility on the Wylfa Gateway Complex, offering a broader range of leisure activities than the initial temporary provision at this location.

Horizon is keen to hear consultee views on what long-term sports and social facilities they consider would be of most value to the community and where these should be located.

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The Wylfa Visitor Centre

11.13 The Existing Power Station has a visitor centre comprising a reception and display area, video room, classroom, café and meeting room. The display area offers information on the nuclear energy story, including managing environmental impacts and ensuring safe operation.

11.14 The existing visitor centre is currently used by schools from the local area as a base for formal and informal education activities (linked to the national curriculum). These visits are led by visitor centre staff. In addition, the visitor centre is located adjacent to the Wales Coast Path and just south of the publicly accessible Wylfa Nature Trail, on which visitor centre staff run guided walks.

11.15 The existing visitor centre would need to be closed at some point during the Enabling Works stage. Horizon intends to develop a new facility to replace it and this aspect of the Wylfa Newydd Project is settled. Horizon views development of a new visitor centre as an important means to integrate the Power Station into the community and wider region, particularly in terms of supporting education and learning and contributing to tourism.

11.16 Horizon has a preference to locate the new visitor centre on the Wylfa Gateway Complex. This aspect of the Wylfa Newydd Project is largely settled.

11.17 Horizon is keen that the new visitor centre should provide a balance of facilities alongside other resources available in the community already. Horizon is therefore considering the inclusion of the following amenities within the new visitor centre.

- Exhibition area;
- Restaurant/café and associated facilities;
- Meeting/training room;
- Formal education classroom; and
- Associated ecological/biodiversity 'nature trail' facilities, connected to and promoted within the new visitor centre.

Horizon would welcome comment on the timing of construction and amenities that could be included in the new visitor centre.

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11.18 Horizon has identified several potential options for the type of information that could be included in the new visitor centre. Some examples being reviewed include:

- **Sustainability** – the new visitor centre could inform and educate visitors about the role nuclear energy plays in a sustainable energy future. This could include the focus on sustainable energy within the island through the Anglesey Energy Island Programme. The building design could also take into account sustainable technologies as well as the relationship of the Power Station with the surrounding environment;
- **The story of Wylfa and Wylfa Newydd** – the new visitor centre could tell the story of the Existing Power Station and Wylfa Newydd and the relationship of the power stations with the environment, local heritage and culture; and
- **The Power Station and nuclear power** – the new visitor centre could explain the lifecycle of nuclear power stations, covering the construction, operation and ultimate decommissioning processes.

11.19 Horizon intends to refine the role of the new visitor centre in the light of consultation comments and in an awareness of the views of stakeholders.

Consultees are encouraged to share their views on what the new visitor centre could offer in terms of information provision. This could include comment on the options presented, as well as alternative suggestions.

Public Access and Recreation

11.20 Chapter 8 provides information about the existing public rights of way and Figure 3.4 shows the existing network of public rights of way in and around the Wylfa Newydd Development Area. Chapter 8 also contains options for the type of alternative routes for the Wales Coast Path that could be created along the two sections that will be affected by the Wylfa Newydd Project to the south of the Power Station Site and around the CW outfall at Wylfa Head.

11.21 Horizon intends to develop a Public Access and Recreation Strategy, relevant parts of which would be incorporated into the Landscape and Biodiversity Masterplan. As part of the preparation of the Public Access and Recreation Strategy, Horizon has undertaken an audit of the existing public rights of way network. The audit identified the following key resources that would be considered in the Public Access and Recreation Strategy:

- **The Wales Coast Path** – the Public Access and Recreation Strategy should acknowledge the significant recreational value of this route and seek to establish a design solution that contributes to long-term recreational enhancement;

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- **The Copper Trail** – this is a designated National Cycle Route that currently uses the part of Cemlyn Road that would be stopped up by the Wylfa Newydd Project. The Public Access and Recreation Strategy should consider alternatives for the Copper Trail and seek to present a design solution for cycling that balances the need to promote utility trips,[72] connects with high quality environments and incorporates traffic-free sections;
- **Cestyll Garden** – the Public Access and Recreation Strategy should explore the potential to enhance the recreational value of Cestyll Garden, whilst recognising its sensitivity;
- **Cemlyn Bay** – the Public Access and Recreation Strategy should explore opportunities to promote the location sensitively to encourage year-round wildlife watching, taking the conservation objectives of the existing environmental designations into account; and
- **Anglesey AONB** – proposals should seek to minimise adverse effects on the special qualities associated with this designation and, wherever possible, deliver enhancement.

Horizon is keen to hear consultee views on the key resources that Horizon intends to consider in the measures that would be included in the Public Access and Recreation Strategy.

11.22 Following on from the audit, a strategic review of the public rights of way network would be used to identify specific measures for inclusion in the Public Access and Recreation Strategy. Initial opportunities identified by Horizon for further consideration in this planned review work include:

- **Improving the quality of the public rights of way network** – measures such as realignment, widening, reinstatement of missing sections, improved connectivity and installation of seating/benching;
- **The identification and promotion of circular walking routes** – these would ideally link to existing settlements and/or car parks;
- **The promotion of cycling** – there is the potential to promote cycling through the establishment of local cycle route links to The Copper Trail and a traffic-free walking/cycling route between Cemlyn Bay and Tregele as an enhancement to the existing provision, which is on the main highway network;

[72] The trips made by any non-motorised transport mode that are made for specific non-recreational purposes.

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- **Community recreation areas** – potential enhancements to community recreational areas within and adjacent to the Wylfa Newydd Development Area, including at Wylfa Head, Cemlyn Bay, Cemaes, Tregele and Cestyll Garden;
- **Directional signage improvements** – the strategy could define minimum signage requirements and consistent quality standards for signage at route junctions to ensure that users can easily orientate themselves;
- **Enhance interpretation** – opportunities to introduce information boards to enhance the user experience along various routes, for example at Wylfa Head, St Patricks Church and Cestyll Garden; and
- **Enhanced accessibility** – opportunities may exist to improve the accessibility of the public rights of way network to people who are mobility impaired. The potential for introducing bridleways could also be explored, reflecting the IACC Bridleway Strategy (2004).

Horizon welcomes feedback on the initial opportunities presented in respect of the Public Access and Recreation Strategy.

11.23 The potential community benefits already discussed in this section would form part of the mitigation of likely environmental effects of the Wylfa Newydd Project on local communities (refer to Chapter 7 of the PEI Report for further information). Many of these measures would provide a lasting legacy to the local community.

Question 13

Do you have any comments or suggestions for long term legacy benefits or community facilities?

11.24 Horizon is particularly keen to hear consultee views on:

- The list of potential legacy opportunities identified;
- Suggestions for additional or alternative legacy opportunities that Horizon could consider as part of the Wylfa Newydd Project;
- Options for delivering long-term sports and leisure facilities;
- Options for a new visitor centre, including what it could be used for, when it should be constructed, and the focus of the information that could be conveyed to visitors; and

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- The initial opportunities identified for consideration in respect of the Public Access and Recreation Strategy and the key resources identified.

11.25 Horizon is keen to understand what additional community benefits might be delivered, potentially as an additional voluntary donation as part of Horizon's commitment to the local community.

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12 Next Steps

12.1 Horizon's general approach to consultation is set out in its Statement of Community Consultation published in September 2014. This section sets out the ways in which consultees can provide feedback on Horizon's Stage One pre-application consultation materials.

12.2 This section concludes with an overview of the next steps in the Project evolution. This includes information about the way in which consultation responses will be used and how Horizon will inform consultees about the way in which consultation may influence the Wylfa Newydd Project.

How to Respond to this Consultation

12.3 Horizon's Stage One pre-application consultation is taking place for a period of ten weeks, commencing on 29 September 2014. Responses to this Stage One pre-application consultation will be accepted prior to 8 December 2014 in Welsh or English.

12.4 There are a number of ways in which to respond to this Stage One pre-application consultation:

- Via feedback forms, which are available at pre-application consultation events and can be downloaded from www.horizonnuclearpower.com/consultation;
- Via the Stage One pre-application consultation webpages at www.horizonnuclearpower.com/consultation, where consultees can register and complete a feedback form online;
- In writing to the freepost address FREEPOST HORIZON NUCLEAR POWER CONSULTATION; and
- Via email at wylfaenquiries@horizonnuclearpower.com and ymholiadauwylfa@horizonnuclearpower.com.

12.5 Horizon also operates a freephone number in Welsh and English at 0800 954 9516 to help with enquiries during and after this Stage One pre-application consultation.

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12.6 Horizon will host a series of events in support of this Stage One pre-application consultation. These events will generally follow three formats and will provide an opportunity for consultees to collect hard copies of materials or to ask questions face to face with a member of Horizon:

- **Public exhibitions,** which will be staffed by Horizon personnel;
- **Staffed 'drop-in' sessions,** which will be held periodically at popular locations, including places of work; and
- **Information Points,** which will be displayed in a number of different libraries and information centres, for about a week at a time during the consultation period. These will be unstaffed.

Question 14

Do you have any additional comments on Horizon's Project proposals?

Consultation – Next Steps

Project evolution

12.7 Figure 1.1 indicates the way in which consultation and engagement has informed and will continue to inform Project evolution. In addition to considering formal feedback from the Stage One pre-application consultation, Horizon will progress the iterative process of design evolution and review through established fora such as working groups and regular stakeholder meetings.

12.8 The following specific elements of work are scheduled as next steps, leading towards the further development and refinement of the Wylfa Newydd Project, and will be described in further detail in the Stage Two pre-application consultation:

- Optimisation of the plant layout within the Power Station Site, which would be informed by further discussions with regulators and relevant statutory bodies and consideration of implications for construction processes. This work would include proposals for the development of the CWS in relation to land-based and marine structures at Porth-y-pistyll and Wylfa Head;

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- Confirmation of the specific requirements for Off-Site Power Station facilities, to include discussion with local stakeholders and the North Wales Resilience Forum.[73] Once specific requirements are more fully understood, siting options would also be identified and reviewed;
- Completion of demand quantification for the overall water supply and sewerage requirements of the Wylfa Newydd Project, taking account of construction and operational needs of the Power Station, as well as the preferred sites for Associated Development. This would inform the completion of feasibility assessment work relating to options for supplying potable water, process water and firewater from the existing DCWW network, allowing the potential need for capacity enhancement and temporary provision to be better understood and addressed;
- Refinement of Horizon's strategic approach for managing radioactive waste and Spent Fuel, informed by discussions with the relevant regulators;
- Optimisation of the Wylfa Newydd Project programme, allowing more detailed definition of the timing and sequence of Enabling Works and Main Construction stage activities and the construction requirements, including the workforce;
- Development of the Landscape and Biodiversity Masterplan, the phasing of which would be driven by the requirements of the construction processes, with the proposals incorporating environmental design and mitigation measures leading towards a final setting for the operational Power Station. This work would inform the refinement of the Wylfa Newydd Development Area boundary;
- Production of the architectural masterplan for the Wylfa Newydd Project, which would be influenced by consultation feedback, stakeholder views and further review and development in conjunction with the landscaping proposals. Overarching design principles and concepts would start to be applied to built components of the Wylfa Newydd Project, for which draft proposals would be produced;
- Continuation of work with stakeholders and education providers to inform the production and implementation of the Jobs and Skills Strategy, also taking relevant consultation feedback into account;
- Clarification of Horizon's understanding of the nature and extent of skills, services, goods and materials available within the local, regional, national and

[73] The North Wales Resilience Forum (NWRF) is a multi-agency group of organisations within North Wales that together *"ensure effective delivery of the duties of the Civil Contingencies Act [2004] and requires the partner organisations to coordinate resources so they can respond effectively when incidents occur, to make sure North Wales remains a safe place. The NWRF also exists to warn, inform, advise and educate the public about developments in the area of Civil Protection."*

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UK supply chains. This would be informed by further jobs and skills and supplier engagement events in 2015, to assist in advising the business community and potential workforce about the best ways to engage with the Wylfa Newydd Project. Contract opportunities would also be made available to the supply chain as they arise;

- Verification of traffic modelling using anticipated trip generation data, which would be derived from the refined Project programme. This would be combined with the views of consultees and stakeholders in order to inform the selection and detailed development of proposals for On-line and Off-line highway improvements, particularly along the A5025 between Valley and Wylfa;
- Further development of potential initiatives to optimise the availability of existing housing stock to meet the needs of a proportion of the construction workforce, coupled with analysis to more fully understand the availability of tourist bedspaces to accommodate a proportion of construction workers. This work will enable a more robust quantification of the likely demand for Temporary Worker Accommodation, which would inform the development of the Worker Accommodation Strategy;
- Application of the methodology proposed for the evaluation of sites for Associated Development. This work would be combined with the traffic modelling information to develop and test site options, leading to the identification of preferred sites for Park and Ride facilities, Logistics Centres and Temporary Worker Accommodation;
- Development of outline proposals for legacy benefits, including the identification of options for the adaptation, conversion or re-development of Associated Development; and
- Refinement of proposals for community facilities. This would include development of the Public Access and Recreation Strategy, including potential implications and possible opportunities for off-shore recreation, taking account of proposed changes to Porth-y-pistyll and Wylfa Head, particularly associated with the CWS.

12.9 As the Wylfa Newydd Project develops, Horizon would identify additional land required and seek to secure it by mutual agreement with landowners to provide certainty for development. However, if negotiations have not succeeded at the point where Horizon needs to prepare its application for a development consent order or planning applications it may, as a last resort, apply for compulsory acquisition powers. In deciding whether to grant compulsory purchase powers to Horizon, the decision-maker would need to be satisfied that Horizon has demonstrated a compelling case in the public interest for the land to be acquired.

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Environmental Impact Assessment Work

12.10 The EIA process is a key element of Project evolution. Continuation of environmental survey work and monitoring will ensure that Horizon's understanding of baseline conditions is accurate and current.

12.11 Ongoing review of emerging aspects of the Wylfa Newydd Project by environmental specialists will allow likely environmental effects to be understood with a greater level of certainty. This will lead to proposals for measures and design refinements to avoid or mitigate predicted significant adverse environmental effects and enhance potential positive environmental effects.

Supporting Assessment Work

12.12 In addition to the EIA that will be undertaken to inform the development of the Wylfa Newydd Project, Horizon is committed to a number of additional assessment processes, all of which are designed to identify opportunities to enhance the potential for the Wylfa Newydd Project to deliver beneficial effects.

12.13 The importance of the Welsh language and culture is recognised by Horizon. Therefore a language impact assessment (LIA) will be carried out, the proposed scope of which is set out in Horizon's LIA Scoping Report. Horizon is also committed to reviewing the potential impact of the Wylfa Newydd Project on health and wellbeing via a health impact assessment (HIA), the scope of which is set out in Horizon's HIA Scoping Report.

12.14 The methodologies for the LIA and HIA will be refined in light of feedback on the respective scoping reports, which is being sought through discussions with IACC and key stakeholders (refer to Chapter 1). It is anticipated that the application of the LIA and HIA processes will give rise to recommendations for initiatives and measures that could be integrated into the Wylfa Newydd Project to reduce likely negative effects and assist in realising potential opportunities to increase likely positive effects. The influence of the LIA and HIA on the Project evolution will be outlined within the Stage Two pre-application consultation materials.

12.15 Horizon recognises the considerable commitments of the UK and Welsh Government to the realisation of sustainable development, noting that Planning Policy Wales places a commitment on developers to *"provide sufficient information to enable the decision maker to make an informed judgement on whether the proposed development is sustainable"*.[74] Consequently, Horizon is keen to ensure that the Wylfa Newydd Project strives to meet the sustainability aims established in UK, Welsh and local policy.

[74] Planning Policy Wales, paragraph. 4.2.6.

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12.16 Horizon intends to undertake periodic review of the Wylfa Newydd Project to consider the extent to which sustainability is being incorporated into the design evolution. In order to facilitate this review process, Horizon has developed a set of draft sustainability objectives that are considered to reflect prevailing planning policy. These draft objectives are relevant to aspects of the Wylfa Newydd Project that Horizon has scope to refine as the Project evolves and are set out in a Sustainability Assessment Scoping Report. Feedback from discussions with the IACC and key stakeholders on this scoping report will be used to refine the sustainability objectives and Horizon will provide information relating to the sustainability of the Wylfa Newydd Project as part of the Stage Two pre-application consultation.

Responding to Feedback

12.17 Horizon intends, where possible, to provide an acknowledgement of receipt of consultation responses to Stage One pre-application consultation.

12.18 Horizon is committed to considering responses received during the Stage One pre-application consultation and explaining how they have been taken into account in the ongoing development and refinement of the Wylfa Newydd Project. Similarly, for feedback that is considered but not incorporated into the Wylfa Newydd Project, Horizon intends to explain why.

12.19 Following the Stage One pre-application consultation, Horizon intends to prepare a feedback document, which will collate the responses and identify the main issues raised in the consultation that Horizon will need to further examine. A similar approach will be taken for any additional smaller rounds of consultation.

12.20 Horizon will draw the feedback together into an interim consultation report that would be published as part of the Stage Two pre-application consultation. It is anticipated that this report would contain an overview of the principal issues raised through consultation feedback, and information relating to the way in which these issues have been considered in the Wylfa Newydd Project evolution, including matters that have been shaped by consultee feedback.

12.21 Upon completion of all stages of pre-application consultation, Horizon will produce a Consultation Report pursuant to section 37 of the Planning Act 2008 that will be submitted at the same time as the application for a development consent order.

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Appendix A How a Nuclear Power Station Works

A.1 Nuclear energy is based on a highly controlled process of nuclear fission, occurring when an atomic nucleus splits and releases a large amount of energy. Heat produced through the fission process is then harnessed and used to create electricity.

A.2 There are a number of different nuclear reactor designs used around the world to generate electricity. The following description applies to a power station using the United Kingdom Advanced Boiling Water Reactor (UK ABWR) design, which is the reactor type that it is intended to use at the Power Station Site.

A.3 The fuel used in a UK ABWR is based on the naturally occurring element uranium. There are a number of different isotopes of uranium, but for fission in a UK ABWR, uranium 235 (U-235) is the isotope of interest. Around seven atoms in every 1,000 of naturally occurring uranium are fissionable U-235, and so the uranium dioxide fuel used in the BWR reactor is enriched with U-235.

A.4 The nucleus of the U-235 atom splits when bombarded by neutrons and this reaction generates further neutrons that can go on to split further nuclei, resulting in a sustained chain reaction. The splitting of the atomic nucleus results in significant amounts of heat being produced.

A.5 For the chain reaction to continue and be self-sustaining, the atomic nuclei need to be split by 'slow' moving neutrons, known as 'thermal' neutrons. In order to achieve this, the fuel assemblies are surrounded by a substance called a moderator, which slows the neutrons, giving them the opportunity to interact with further U-235 nuclei.

A.6 In a UK ABWR, water is used as the moderator. It is also used as the reactor coolant and carries the heat away from the reactor core. This heat is used to generate high pressure steam as part of the 'water/steam cycle'. This steam is used to turn the steam turbine, which drives a generator, to generate electricity.

A.7 Reactor heat output can be controlled via two methods:

1. Controlling the flow of water through the reactor: water flow through the reactor core can be increased or decreased to control neutron moderation; or
2. Using neutron absorbing rods: these 'control rods' can be inserted into or withdrawn from the reactor core if more or less neutron absorption is needed to control reactor heat output.

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A.8 A nuclear power station generates electricity in a similar way to many other large thermal power stations in that water is heated and turns into steam, which rotates a steam turbine that drives an electrical generator. In a nuclear power station, the energy needed to heat the water comes from the nuclear reaction as opposed to the combustion of fossil fuels such as coal, gas or oil. In all types of water/steam cycle power stations, the steam generated passes through a steam turbine and is subsequently converted back into water in a condenser. The condensate is then pumped back to the reactor to produce more steam.

A.9 A simple schematic diagram of a UK ABWR nuclear power station of the type proposed at the Power Station Site is shown below in Figure A.1.

A.10 The following description offers some detail of the main components of the Nuclear Island, Conventional Island and Balance of Plant and how they inter-relate.

A.11 The reactor pressure vessel is a very strong, high-integrity steel vessel that contains the reactor core, fuel, control rods, reactor internal pumps and other equipment. Inside the reactor pressure vessel are around 870 fuel assemblies, each one about 4.5m high. Each fuel assembly consists of 92 fuel rods. Each fuel rod is made of a tube of zirconium alloy metal, which contains hundreds of fuel pellets. The fuel pellets are made of enriched uranium dioxide and each one is about 1cm long and about as thick as an ordinary pen.

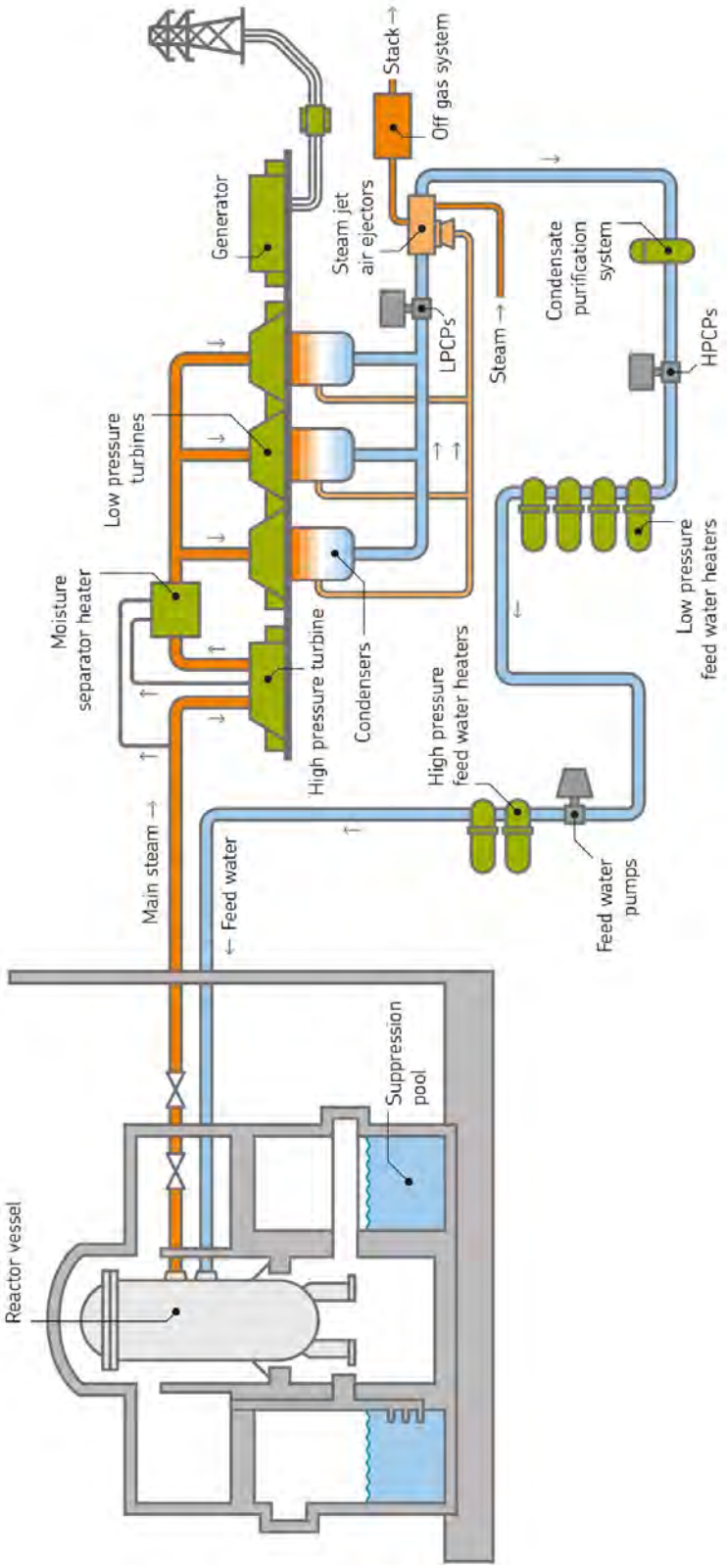
A.12 The fuel assemblies are inserted into the reactor pressure vessel along with control rods and instrumentation. Water passes around the fuel elements taking away the heat generated within the fuel by the fission reaction, turning to steam as a result.

A.13 Primary containment is provided by the reinforced concrete containment vessel (RCCV) and forms a major structural element of the reactor building. The RCCV contains the suppression chamber and vents and reactor primary systems. The RCCV is constructed from thick-walled reinforced concrete and lined with leak-tight steel plates, such that in the extremely unlikely event of a leak of reactor coolant, there is no uncontrolled release of radioactivity to the environment.

A.14 Many of the other systems that are required for safe and efficient operation are located within the secondary containment, which is provided by the reactor building. The primary and secondary containments have isolation valves that allow them to be closed off in the event of an incident, to prevent release of any radioactivity to the environment.

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Figure A.1 Schematic of a Nuclear Power Station



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A.15 Associated with each reactor is a multi-stage turbine, which drives an electrical generator. Each steam turbine comprises many rows of blades, alternate rows being fixed to a stationary casing and to a rotating shaft. Steam at high temperature and pressure is passed over the turbine blades, causing the turbine shaft to rotate, which also turns the generator. The steam contains a large amount of heat energy, which is converted to mechanical energy in rotating the turbine, and into electrical energy via the generator. The steam ultimately passes into the condenser, where it is converted back into water.

A.16 To extract as much energy from the steam as possible for generation of electricity, the steam pressure is reduced to below atmospheric pressure in a condenser. The condenser consists of a vessel beneath the steam turbine, into which the steam passes. Thousands of tubes run through the condenser, through which cold seawater is pumped. As the steam touches the tubes, it condenses back to water; which is then pumped back to the reactor to again raise steam.

A.17 The Power Station will utilise once-through water cooling to cool the condenser, using seawater abstracted from the Irish Sea through the CWS intake/pumphouse structures. This intake structure includes coarse and fine screening to exclude debris, such as seaweed, and a number of pumps and large pipes. The seawater may be dosed with biocide to discourage growth of marine organisms within the CWS. The temperature of the seawater is raised as it passes through the condenser. After exiting the condenser, the water passes through to the outlet tunnels, where it starts to cool, and is returned to the sea through the CW outfall structure.

A.18 Electricity is produced in an electrical generator, which consists of a rotor that creates a magnetic field, rotating inside a number of copper coils. This in turn induces a voltage, resulting in an electric current. The Power Station will have one steam turbine and electrical generator per reactor. Together, these generators would generate at least 2,700MW.

A.19 The electrical energy created in the generator needs to be transferred to the National Grid high voltage electricity transmission network. The electricity produced needs to be stepped-up to the transmission network voltage of 400 kilovolts for connection at the existing National Grid sub-station adjacent to the Power Station. Each generating unit would therefore have a 'step-up' transformer, located near to the electrical generator. The power would be conducted, through buried cables or overhead lines, over the relatively short distance from the generator (step-up) transformer to the National Grid sub-station.

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Appendix B National Grid – North Wales Connection Project

B.1 National Grid owns, operates and maintains the high voltage electricity transmission network in England and Wales and operates the electricity transmission system across Great Britain. The electrical transmission system connects large power stations to the local networks, where the power is distributed to business, homes and industrial users through a combination of overhead transmission lines and buried cables, where the power is distributed to industrial users and local networks.

B.2 National Grid is regulated by the Office of Gas and Electricity Markets and is required by its electricity transmission licence to offer contractual terms for any request for connection to the transmission system and to undertake works in England and Wales required by any ensuing connection contracts. Such works may include the construction of new or modified infrastructure local to the connection and may also include new or modified infrastructure at locations further away.

B.3 National Grid has entered into an agreement with Horizon to carry out the works required to connect the Power Station to the transmission system.

B.4 The works for the Power Station can be considered in two parts:

- Works local to the Power Station Site
  - This is the physical connection between the Power Station and the transmission system. It is expected to comprise sub-station works at Wylfa and modifications to existing connections from the existing sub-station.
- Remote works on the transmission network
  - National Grid must ensure that the transmission system can cater for the electrical output from the Power Station.

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B.5 National Grid consulted local communities and stakeholders in 2012 about their strategic connection options to the existing Wylfa substation. National Grid's preliminary preference in 2012 was for a new overhead power line between the existing Wylfa substation and the existing substation on the mainland at Pentir.

B.6 National Grid is currently reviewing the feedback that it received in response to the 2012 consultation. This will inform National Grid's decision on how best to reinforce the transmission system to accommodate the Wylfa Newydd Project generation output. In finalising its proposals, National Grid will give careful consideration to reducing any potential adverse effects from the proposed works, and measures that may be used could include:

- careful routing and siting;
- planting and screening to reduce visual impact;
- habitat creation;
- the management of waste;
- the control of traffic;
- reducing noise; and
- putting sections of overhead connection underground.

B.7 Figure B.1 shows the proposed route corridor options for the Wylfa to Pentir overhead electricity transmission line, as shown in National Grid's Route Corridor Identification Report October 2012. Regardless of which option is chosen by National Grid, part of the route will go through the Wylfa Newydd Development Area.

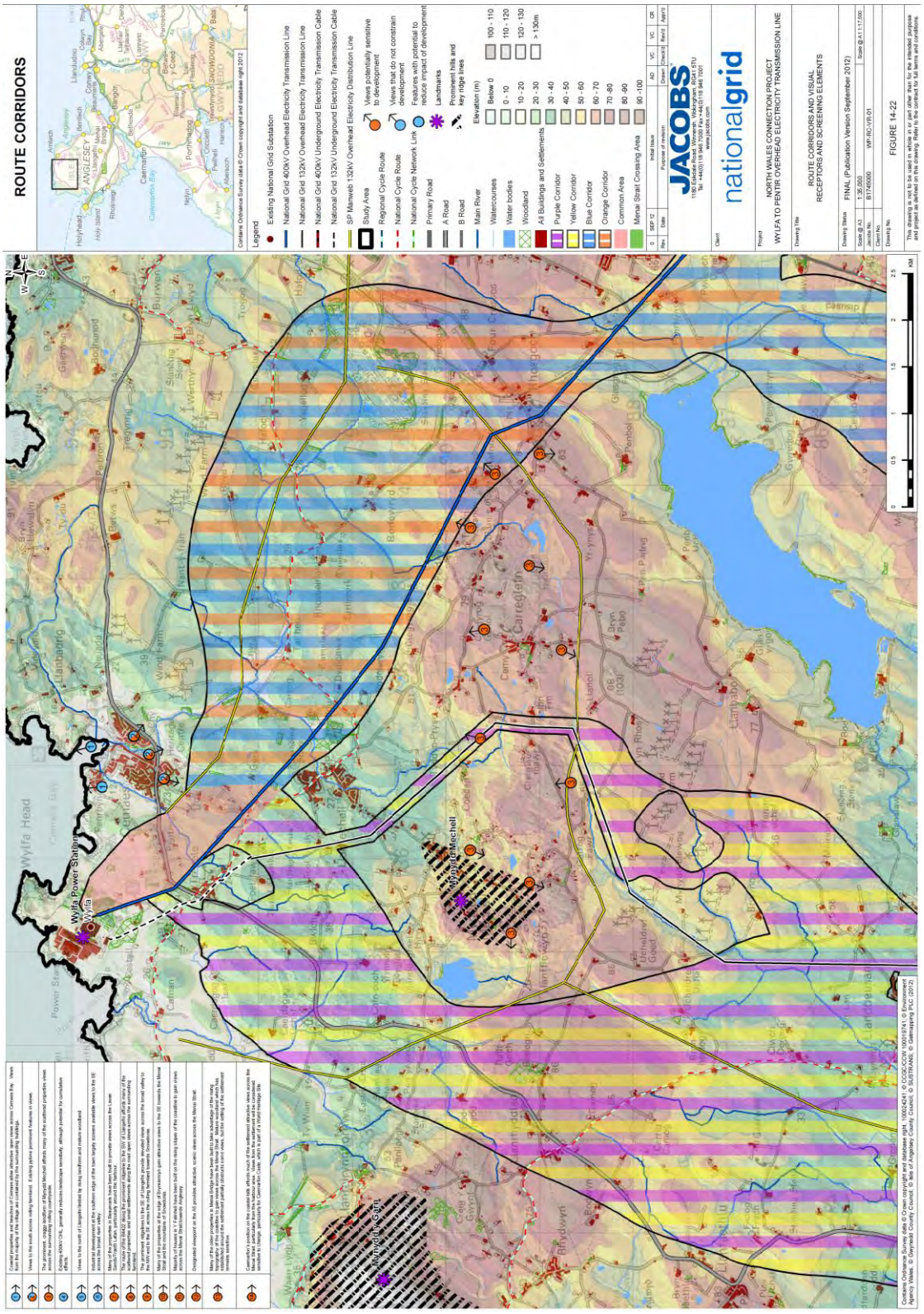
Further Information

B.8 National Grid intends to provide further information about the transmission network between Wylfa and Pentir. Any future stages of public consultation that National Grid plans to undertake would be publicised within local communities. Contact details for National Grid are as follows:

http://www2.nationalgrid.com/UK/In-your-area/Projects/North-Wales/
freephone number: 0800 990 3567
email: nationalgrid@northwalesconnection.com or
freepost address: FREEPOST NATIONAL GRID NW CONNECTION

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Figure B.1 Proposed route corridor options for the Wylfa to Pentir Overhead Electricity Transmission Line, 2012 consultation


ROUTE CORRIDORS
Legend
Existing National Grid Substation
National Grid 400kV Overhead Electricity Transmission Line
National Grid 132kV Overhead Electricity Transmission Line
National Grid 400kV Underground Electricity Transmission Cable
National Grid 132kV Underground Electricity Transmission Cable
SP Manweb 132kV Overhead Electricity Distribution Line
Study Area
Regional Cycle Route
National Cycle Route
National Cycle Network Link
Primary Road
A Road
B Road
Main River
Watercourses
Water bodies
Woodland
All Buildings and Settlements
Purple Corridor
Yellow Corridor
Blue Corridor
Orange Corridor
Common Area
Menai Strait Crossing Area
Views potentially sensitive to development
Views that do not constrain development
Features with potential to reduce impact of development
Landmarks
Prominent hills and key ridge lines
Elevation (m)
Below 0
0 - 10
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90
90 - 100
100 - 110
110 - 120
120 - 130
> 130m
Wylfa Power Station
Wylfa
Wylfa Head
Cemaes Bay
Cemaes
Llanbadrig
Church
Llanbadrig
Cemaes Head
Mynydd Mechell
Mynydd Eilian
Carmel Head
Holyhead
Holy Island
Rhoscolyn
Caergybi
Bodedern
Llangefni
Menai Bridge
Beaumaris
Penmon
Llandudno
Colwyn Bay
Rhyl
Abergele
Conwy
Llandudno Junction
Betws-y-Coed
Llanrwst
Trefriw
Llanberis
Caernarfon
Caernarfon Bay
Nefyn
Porthmadog
Criccieth
Pwllheli
Harlech
Barmouth
Aberdyfi
Machynlleth
Aberystwyth
Borth
Aberaeron
New Quay
Aberporth
Cardigan
Fishguard
Goodwick
Newport
Crymych
Whitland
Carmarthen
Carmarthen Bay
Llanelli
Burry Port
Pembrey
Kidwelly
Llanelli
Swansea
Swansea Bay
Port Talbot
Neath
Pontypridd
Cardiff
Penarth
Barry
Newport
Chepstow
Monmouth
Abergavenny
Brecon
Merthyr Tydfil
Aberdare
Mountain Ash
Pontypool
Abertillery
Ebbw Vale
Tredegar
Blaenavon
Hereford
Ross-on-Wye
Gloucester
Cheltenham
Tewkesbury
Worcester
Malvern
Ludlow
Shrewsbury
Oswestry
Wrexham
Chester
Ellesmere Port
Runcorn
Warrington
Wigan
Bolton
Manchester
Stockport
Macclesfield
Crewe
Nantwich
Whitchurch
Telford
Wolverhampton
Walsall
Birmingham
Coventry
Leamington Spa
Warwick
Stratford-upon-Avon
Banbury
Oxford
Swindon
Reading
Slough
Windsor
Heathrow
London
Milton Keynes
Northampton
Rugby
Leicester
Loughborough
Nottingham
Derby
Stoke-on-Trent
Stafford
Telford
Shrewsbury
Aberystwyth
Carmarthen
Swansea
Cardiff
Newport
Bristol
Exeter
Plymouth
Penzance
Truro
Falmouth
Redruth
Camborne
St Ives
Newquay
Bodmin
Launceston
Okehampton
Tiverton
Taunton
Yeovil
Dorchester
Weymouth
Bournemouth
Poole
Southampton
Portsmouth
Chichester
Brighton
Hastings
Eastbourne
Canterbury
Dover
Folkestone
Ashford
Maidstone
Tunbridge Wells
Sevenoaks
Bromley
Croydon
Kingston upon Thames
Richmond
Hounslow
Heathrow
Slough
Windsor
Reading
Basingstoke
Winchester
Andover
Salisbury
Warminster
Frome
Bath
Bristol
Weston-super-Mare
Clevedon
Portishead
Severn Bridge
Chepstow
Monmouth
Abergavenny
Brecon
Merthyr Tydfil
Aberdare
Mountain Ash
Pontypridd
Cardiff
Penarth
Barry
Newport

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Appendix C Glossary

C.1 The table below sets out explanations for specific acronyms and terms used in this Document. References to legislation are to that legislation as amended and in force at the date of this Document.

Full Title	Abbreviation / Acronym	Description
Abnormal Indivisible Loads	AILs	A load that cannot be divided for the purpose of being carried on a road without undue expense or risk of damage.
Ancillary Structures	-	Buildings and other structures that are necessary to support the construction, operation and management of the Power Station.
Anglesey Energy Island Programme	-	An initiative led by IACC involving several stakeholders within the public and private sector working in partnership to catalyse employment, growth and development opportunities in the energy sector.
Area of Outstanding Natural Beauty	AONB	Areas designated under the Countryside and Rights of Way Act 2000 for the purpose of conserving and enhancing the natural beauty of the designated area.
Associated Development	-	Development to support delivery of the Power Station, for example highway improvements along the A5025, Park and Ride facilities for construction workers, at least one Logistics Centre and Off-Site Temporary Worker Accommodation.
Balance of Plant	-	Plant, systems and associated structures that serve both generating units, including the CWS, and which form part of the Power Station.
Best Available Techniques	BAT	The legislative requirements whereby operators must demonstrate that certain operations are conducted in the optimum manner, to prevent or minimise releases and limit the impact on the environment, taking a number of factors into account including technological advances, economic feasibility and time.

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Full Title	Abbreviation / Acronym	Description
Birds Directive	-	The European Union's Directive on the conservation of wild birds (79/409/EEC of 30 November 2009).
Broad Area of Search	-	The area of land within which Horizon will consider sites for the construction of certain types of Associated Development, comprising Park and Ride facilities, Logistics Centre and Off-Site Temporary Worker Accommodation. The criteria that apply to this land are contained in paragraph 10.99.
Conventional Island	-	The steam turbine, electrical generator and associated structures, which form part of the Power Station.
Cooling Water System	CWS	The once-through water cooling system that removes the proportion of heat energy produced by the nuclear reactors, which cannot be converted to electricity, and for this Project includes the intakes, pumphouses, breakwaters, seal pits and outfall structures as well as connecting pipelines and tunnels, for each generating unit.
Copper Trail	-	The northern section of national route 566, forming part of the sustrans national cycle network.
Decommissioning	-	This is explained in paragraphs 5.43 – 5.45 in Chapter 5 and 7.61 – 7.62 in Chapter 7.
Department of Energy and Climate Change	DECC	The UK Government department with responsibility for (among other things) energy and climate change issues, including the security of the UK's energy supplies.
Designated Freight Route	-	The A55 (on Anglesey), the A5 and the A5025 from Valley to the Wylfa Newydd Development Area, as shown in Figure 10.1.
Development consent order	-	The consent for a Nationally Significant Infrastructure Project required under the Planning

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Full Title	Abbreviation / Acronym	Description
		Act 2008.
Dŵr Cymru: Welsh Water	DCWW	The company responsible for sewers, rising mains, potable water, water, temporary surface drainage and redundant water mains in Anglesey.
EN-1 – Overarching National Policy Statement for Energy	NPS EN-1	The National Policy Statement designated by the Secretary of State for Energy and Climate Change in July 2011, which sets out national policy for major energy infrastructure projects.
EN-6 – National Policy Statement for Nuclear Power Generation	NPS EN-6	The National Policy Statement designated by the Secretary of State for Energy and Climate Change in July 2011, which sets out national policy on new nuclear power stations and against which an application for a development consent order for a nuclear power station is assessed.
Enabling Works	-	This is explained in paragraphs 7.4 to 7.14, inclusive, in Chapter 7.
Environment Agency	-	The executive non-departmental public body with responsibility for environmental regulation in England. The Environment Agency gives advice to Natural Resources Wales in relation to the radioactive substances regulation under the Environmental Permitting (England and Wales) Regulations 2010 and to the Welsh Government in respect of Generic Design Assessment for the UK ABWR.
Environmental Impact Assessment	EIA	The process in which the likely significant effects of a development on the environment are identified and assessed.
Environmental Management Plan	-	A document that sets out the key environmental and planning/consenting considerations that must be taken into account for any works taking place. There will be more than one plan and the development of these plans is an iterative process.

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Full Title	Abbreviation / Acronym	Description
Environmental Statement	-	The document in which the results of an Environmental Impact Assessment are presented.
European Designated Sites	-	The following sites that are designated and therefore given special protection under the Habitats Directive and the Birds Directive: • Special Areas of Conservation (SACs). • Special Protection Areas (SPAs). • Sites of Community Importance (which is the second step in being formally designated as a SAC). • candidate SACs (which is the first step in formal designation as a SAC). • potential SPAs (which are approved by the Government but are not yet classified as SPAs). Collectively, the above European Designated Sites are known as Natura 2000. There are also internationally important and designated wetland sites which often overlap with the European designated sites listed. These wetlands are known as Ramsar sites (identified under the Ramsar Convention, 1971).
Existing Power Station	-	The existing Magnox nuclear power station at Wylfa.
Full Operation	-	This is explained in paragraphs 7.50 to 7.60, inclusive, in Chapter 7.
Generic Design Assessment	-	The process being used by the Office for Nuclear Regulation and the Environment Agency to assess the safety, security and environmental implications of new nuclear reactor designs for the UK, separately from applications to build them at specific sites.
Geological Disposal Facility	GDF	A purpose built facility for deep burial of higher

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Full Title	Abbreviation / Acronym	Description
		activity radioactive wastes.
Habitats Directive	-	The EU Directive on the conservation of wildlife, plants and habitats (Council Directive 92/43/EEC of 21 May 1992).
Habitat Regulations Assessment	HRA	The process by which plans and projects are assessed for their likely significant effects on European Designated Sites, pursuant to the Habitats Directive and the Conservation of Habitats and Species Regulations 2010.
Integrated Traffic and Transport Strategy	ITTS	The strategy to be developed by Horizon to manage traffic associated with the Project, including to ensure efficiency, manage environmental impacts, ensure safety and present transport solutions.
Intermediate Level Waste	ILW	Waste that has a radioactive content exceeding the LLW limit and that does not have a significant heat output.
Intermediate Level Waste Interim Storage Building or ILW Interim Storage Building	-	Building for the on-site storage of packaged ILW prior to disposal in the GDF.
Isle of Anglesey County Council	IACC	The local authority governing the area within which the Power Station is intended to be constructed. IACC has a number of functions, including the granting of planning permission as local planning authority.
Landscape and Biodiversity Masterplan	-	A fully coordinated environmental landscape design covering the Wylfa Newydd Development Area, including the formation of mounds, habitat and woodland creation, targeted biodiversity mitigation and enhancement measures, temporary and permanent public footpath diversions, management of watercourses and surface water drainage and other relevant environmental considerations.

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Full Title	Abbreviation / Acronym	Description
Listed Building	-	A building that, due to special architectural features or historic interest, is designated as a listed building pursuant to the Planning (Listed Buildings and Conservation Areas) Act 1990.
Logistics Centre	-	An Off-Site facility at which deliveries can be consolidated into fewer loads and the timing of traffic movements to the Wylfa Newydd Development Area can be controlled during both the Enabling Works and Main Construction stages.
Low Level Waste	LLW	Waste that has a radioactive content not exceeding 4 GBq (gigabecquerels) per tonne of alpha, or 12 GBq per tonne of beta/gamma activity.
Main Construction	-	This is explained in paragraphs 7.18 to 7.38, inclusive, in Chapter 7.
Marine Off-Loading Facility	MOLF	A facility comprising two purpose built quays to allow delivery of freight such as AILs and construction materials by sea.
National Grid	-	National Grid Electricity Transmission Plc.
National Policy Statements	NPS	Statements prepared and designated by the Secretary of State under the Planning Act 2008, which establish national policy for nationally significant infrastructure projects, including energy, transport and water, waste water and waste and against which applications for development consent orders are assessed.
Nationally Significant Infrastructure Project	NSIP	A type of project listed in the Planning Act 2008, and which must be consented by a development consent order. The construction of a generating station is an NSIP.
Natural Resources Wales	-	The public body whose stated purpose is to ensure that the natural resources of Wales are sustainably maintained, enhanced and used, now and in the

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Full Title	Abbreviation / Acronym	Description
		future. It absorbed the regulatory and advisory duties of the Environment Agency, Countryside Council for Wales and the Forestry Commission in Wales. It is the regulatory authority in Wales for a wide range of environmental legislation including environmental permitting (under the Environmental Permitting (England and Wales) Regulations 2010) and is a statutory consultee for development consent orders.
New Nuclear Build at Wylfa: Supplementary Planning Guidance	Wylfa SPG	IACC's supplementary planning guidance, in respect of new nuclear development at Wylfa, published in July 2014.
Nuclear Decommissioning Authority	NDA	The non-departmental public body created through the Energy Act 2004 responsible for decommissioning and cleaning up civil nuclear facilities on 17 sites and providing for the disposal of all the resulting wastes.
Nuclear Island	-	Each nuclear reactor and its associated plant and structures, which form part of the Power Station.
Nuclear Licensed Site	-	A site in respect of which a Nuclear Site Licence has been granted.
Nuclear Site Licence	-	The licence required under the Nuclear Installations Act 1965 for the installation and operation of a nuclear reactor granted by the Office for Nuclear Regulation.
Office for Nuclear Regulation	-	The public corporation, which is responsible for (among other things) the regulation of nuclear safety, nuclear security and safeguards at nuclear licensed sites in the UK.
Off-line highway improvements	-	Highway improvements that involve the construction of new sections of road.
Off-Site	-	Areas of land needed for the Project, which are yet to be identified, but would be outside the Wylfa Newydd

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Full Title	Abbreviation / Acronym	Description
		Development Area.
Off-Site Power Station Facilities	-	The emergency and other facilities explained in paragraph 6.46, including an alternate emergency control centre, survey laboratory and specialist vehicle storage.
On-line highway improvements	-	Highway improvements that are made to the existing road, generally within the existing highway corridor.
Park and Ride facilities	-	An Off-Site facility from which construction workers will park and travel via a dedicated bus service to the Wylfa Newydd Development Area.
Planning Inspectorate	-	The body that accepts and examines applications for development consent orders and makes recommendations to the Secretary of State in support of determining whether to grant consent.
Power Station	-	The proposed new nuclear power station, including two UK ABWRs, associated plant and ancillary structures and features, to be constructed and operated at Wylfa on Anglesey.
Power Station Access Road	-	The proposed access road from the A5025 south of Tregele, to the Power Station Site, which will also provide access to the Wylfa Newydd Development Area during the Enabling Works and Main Construction stages (illustrated in Figure 7.2).
Power Station Site	-	The indicative area of land and sea within which the majority of the permanent Power Station buildings, plant and structures would be situated (illustrated in Figure 2.1).
Preliminary Environmental Information	-	Preliminary information about the environmental context and potential environmental effects of the Project, which is compiled from the early stages of the environmental studies being conducted to inform development of the Project, and is provided during

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Full Title	Abbreviation / Acronym	Description
		consultation in accordance with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009.
Preliminary Environmental Information Report	PEI Report	The report, prepared for this Stage One pre-application consultation, in which the Preliminary Environmental Information available at this stage of the Project is presented.
Project or Wylfa Newydd Project	-	The Power Station and Associated Development.
Ramsar Sites	-	Wetlands of international importance, designated under the Ramsar Convention 1971.
Radioactive Waste Building	-	Building to collect and treat radioactively contaminated water from the reactor building and turbine building.
Scheduled Monument	-	Scheduled Monuments are protected by law under the Ancient Monuments and Archaeological Areas 1979 and are, by definition, of national importance
Secretary of State (for Energy and Climate Change)	-	The cabinet minister in charge of DECC and who (among other things) ultimately determines applications for development consent orders.
Sites of Special Scientific Interest	SSSI	Sites designated for their flora, fauna or geological or physiographical features under the Wildlife and Countryside Act 1981.
Special Area of Conservation	SAC	Areas that have been identified as being important for a range of vulnerable habitats, plant and animal species within the European Union and are designated under the Habitats Directive.
Special Landscape Area	-	A non-statutory designation applied by the local planning authority to define areas of high landscape importance within their administrative boundary.

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Full Title	Abbreviation / Acronym	Description
		Areas of high landscape importance may be designated for their intrinsic physical, environmental, visual, cultural and historical value in the contemporary landscape. Landscapes designated as a Special Landscape Area may be unique, exceptional or distinctive to the local authority area.
Special Protection Areas	SPA	Sites designated under the Birds Directive due to their international importance for the breeding, feeding, wintering, or the migration of, rare and vulnerable species of birds.
Spent Fuel	-	Fuel that has been used in a nuclear reactor.
Spent Fuel Interim Storage Building	-	Building for the on-site storage of Spent Fuel prior to disposal in the Geological Disposal Facility.
Statement of Community Consultation	-	A statement in which a developer sets out how it intends to consult the local community in respect of its proposed NSIP pursuant to section 47 of the Planning Act 2008.
Statutory Working Group	-	The forum established by Horizon for formal communication, engagement and sharing of information amongst key statutory bodies in relation to consents and permissions pertinent to the Project.
Strategic Siting Assessment	-	The process which was used during the preparation of NPS EN-6 to identify and assess sites which are considered strategically suitable for the deployment of new nuclear power stations by the end of 2025.
Temporary Worker Accommodation	-	The specially provided temporary worker accommodation of at least 500 bedspaces, designed for short term use by the construction workforce and which may include site-specific leisure and recreational facilities and key services.
Travel to Work Area	-	The boundary for assuming reasonable daily commuting behaviour to the Power Station Site. This

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Full Title	Abbreviation / Acronym	Description
		is defined by the two travel to work areas of Holyhead; and Bangor, Caernarfon and Llangefni, as defined by the Office for National Statistics and set out in Chapter 7 (socio-economics) of the PEI Report. This area is deemed to be suitable for daily commuting during the construction and operation of the Power Station.
UK Advanced Boiling Water Reactor	UK ABWR	The UK advanced boiling water reactor to be supplied by Hitachi-GE Nuclear Energy, Ltd., as part of the Power Station. See Appendix A1 for a more detailed description of how this type of nuclear reactor works.
Very Low Level Waste (High Volume)	VLLW	Waste that has a radioactive content not exceeding 4MBq (megabecquerels) per tonne of total activity. This waste type typically includes lightly contaminated concrete and steel.
Wales Coast Path	-	An 870 mile network of public footpaths and other routes around the coastline of Wales, which incorporates the Isle of Anglesey Coastal Footpath.
Welsh Government	-	The devolved Government for Wales.
Worker Accommodation Strategy	-	The strategy that will seek to ensure the construction workforce for the Project can be accommodated in a manner that balances likely demand with potential impacts on the existing communities and environment on Anglesey.
Wylfa Gateway Complex	-	The parcel of land indicated on Figure 2.2 that would contain alternative premises for a number of facilities that need to be relocated from their existing locations on the Wylfa Newydd Development Area, including the Wylfa Sports and Social Club. It is also the preferred location for Horizon's proposed new visitor centre.
Wylfa Newydd Development Area	-	The indicative area of land including the Power Station Site and the surrounding areas that would be used for the construction and operation of the Power

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Full Title	Abbreviation / Acronym	Description
		Station (illustrated on Figure 2.1).
Wylfa Newydd Project	-	See the Project.
Wylfa NPS Site	-	The Wylfa site designated by NPS EN-6 as potentially suitable for the deployment of a new nuclear power station.
Wylfa SPG	-	See New Nuclear Build at Wylfa: Supplementary Planning Guidance.

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