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ISLE OF ANGLESEY  
COUNTY COUNCIL

# Well-being of Future Generations Act Assessment - Wylfa Newydd

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# 1. Introduction

## 1.1 Overview

1.1.1 Over the next few years, the Isle of Anglesey is expected to host a series of major projects, some of which are of national significance at a UK or Wales level. This includes a new nuclear power station (Wylfa Newydd).

1.1.2 The nuclear power station is classed as a Nationally Significant Infrastructure Project (NSIP) and will require a Development Consent Order (DCO) application to the Secretary of State for Business, Energy and Industrial Strategy (SoS).

1.1.3 The Wylfa Newydd power station development (the DCO Project) comprises:

- Development of two UK Advanced Boiling Water Reactors (UK ABWRs) with a generating capacity of 3,000 MW;
- Construction works around the power station and in the water near Porth-y-pistyll;
- Creation of a permanent landscaped setting for the power station as well as construction of a cooling water system, and associated breakwaters;
- A Marine Off-Loading Facility (MOLF) within Porth-y-pistyll; and
- Off-site power station facilities consisting of a co-located Alternative Emergency Control Centre (AECC), Environmental Survey Laboratory (ESL) and a Mobile Emergency Equipment Garage (MEEG).

1.1.4 Horizon Nuclear Power is the promoter of the Project (the DCO Project Promoter). Details of the DCO Project are provided in Appendix A to this report.

1.1.5 The DCO Project will also give rise to a need for several associated or related developments. Associated or related developments are those proposed in connection to the DCO Project and have been identified by the DCO Project Promoter as follows:

- On-site campus providing temporary workers' accommodation (Site Campus) for up to 4,000 workers;
- A temporary Park and Ride facility at Dalar Hir for construction workers;
- A temporary Logistics Centre at Parc Cybi;
- A5025 off-line highway improvements; and
- An electrical connection to a proposed electricity transmission line.



- 1.1.6 Development related to connection to the electricity transmission infrastructure (i.e. the National Grid), will be required to serve the new nuclear power station. This NSIP (the North Wales Connection Project) is being promoted by National Grid and is subject to a separate DCO application process.
- 1.1.7 The Well-being of Future Generations (Wales Act), 2015 ('the Act') places a duty on Welsh public bodies, including the Isle of Anglesey County Council (IACC) to carry out sustainable development. Section 2 of this report provides more information on the Act.
- 1.1.8 The Future Generations Commissioner for Wales wrote to UK Ministers on 03/04/18 (copy in Appendix B) seeking to bring to their attention the implications of the Act for the decisions that they make relative to Wales. She noted that the Act requires the 44 Welsh public bodies it covers to carry out sustainable development which includes for the social, economic, cultural and environmental well-being of Wales. She noted that whilst UK Government departments are not covered directly by the Act that it could be considered common sense and beneficial to all communities in the long-term that when making and implementing UK decisions in Wales it is done in a manner that is sympathetic to the duties of those covered by the Act.
- 1.1.9 Having regard to the above statements Isle of Anglesey County Council (IACC) has concluded that:
- a) The Secretary of State should take account of the Act in making the final decision on the DCO application,
  - b) The Examining Panel should take account of the Act in considering the application and reporting to the Secretary of State;
  - c) The IACC as the host Local Planning Authority must demonstrate how it is meeting its duties under the Act in its decision making in relation to the DCO,
  - d) Horizon Nuclear Power, can, and reasonably should be expected to use the Act as a framework for their consideration of and decision making on the project.
- 1.1.10 In light of the above the IACC, as a public body bound by the Act, has commissioned this Assessment to consider how the DCO Project would impact on its ability to satisfy its well-being duties and the wider implications for IACC in exercising its functions over the lifetime of the DCO Project. Also, the Assessment seeks to bring influence to bear with Horizon on their approach to and the content of the DCO and to the Examining Authority considering its report to the Secretary of State in terms of sustainability and having regard to the Act. These considerations above can properly



be considered in terms of the degree to which the Wylfa Newydd proposal meets the objectives of the Act.

## 1.2 Approach

1.2.1 IACC commissioned Wood Environment & Infrastructure Solutions UK Limited (Wood) to undertake an assessment of the DCO Project in line with the process established in the Future Generations Framework – a draft Framework developed by the Office of the Future Generations Commissioner for Wales, to help public bodies to use the Well-being of Future Generations (Wales) Act as a ‘framework for thinking’ when developing and designing projects as well as when responding to major development proposals as a statutory consultee..

1.2.2 The Assessment Framework is in three parts:

- Part 1 considers the extent to which the DCO Project aligns with local well-being goals identified in the Joint Draft Well-being Plan prepared by the PSBs;
- Part 2 considers the five ways of working set out in the Act and implications for the DCO Project;
- Part 3 examines the DCO Project against the seven well-being goals set out in the Act.

1.2.3 The first part of the assessment is intended to be undertaken at the outset (to influence the development of a project) and although this Assessment is being undertaken in the context of a DCO Project that has been submitted, IACC has been actively seeking to influence the DCO Project (and other major proposals on the island) over recent years, Section 2 of this assessment provides more context on this.

1.2.4 Moreover, as further context for the assessment of the Project, IACC commissioned Wood to provide a commentary within this report building on the WBFGA Framework to link key themes to effects which it predicted at a community level. This principle of community-focussed evaluation corresponds with the approach taken by the Gwynedd and Anglesey Public Services Boards (PSB) which compiled the Well-being Objectives following the aggregation of Community Assessments undertaken at a Ward level.

1.2.5 The assessment is intended to set the DCO project in the context of the unique and special characteristics of the Isle of Anglesey. Baseline character of the island is set out within this report (expanded to include the Well Being Plan for the PSB in Appendix C). This facilitates comparison of the DCO project against the baseline context. It should be noted that this baseline information includes supplemental information drawn from IACC’s own ‘Sense of Place’ Report (May 2018) provided to inform this report. IACC has also prepared Supplementary Planning Guidance for Wylfa Newydd (revised



guidance was adopted May 2018) supported by a series of topic papers across 10 topic areas, these have also informed the baseline. This baseline information emphasises the unique and special characteristics of Anglesey, its economy, environment, people and communities which have evolved over thousands of years.

- 1.2.6 This Assessment focusses on the role of the IACC and how it can influence the DCO Project prior to consent being granted through to implementation and also how the promoter, HNP, can respond to better achieve the overall objectives of the Act. Opportunities for the IACC to exercise its function under the Act during the construction and operation are identified. De-commissioning of the power plan will be subject to a separate consent and therefore falls outside the scope of this Assessment.
- 1.2.7 A separate assessment has been undertaken of the North Wales Connection Project promoted by National Grid and this Assessment has had regard to that work to ensure consistency in approach, where appropriate.

### **1.3 Purpose and Status of the Framework Assessment**

- 1.3.1 The 'Future Generations Framework for projects' ('the Framework') was released in draft by the Office of the Future Generations Commissioner in December 2017. The Framework provides guidance on using the Act to ensure the design and implementation of projects deliver against the local well-being objectives and the well-being goals defined in the Act.
- 1.3.2 IACC has instructed Wood to use the approach set out in the Framework to undertake the assessment detailed in this Report.
- 1.3.3 The Framework expresses the five ways of working and the seven well-being goals as statutory prompts for consideration to inform thinking and shape the development and evaluation of projects.
- 1.3.4 It asks public bodies to consider their own well-being objectives and the local well-being objectives to help ensure that the project contributes to delivering these alongside the national well-being goals.
- 1.3.5 The Framework has been designed to inform public bodies' own decision-making on projects. Whilst the Council is not the decision-maker for the purposes of the Project (the SoS will determine the DCO), the Framework nonetheless provides the appropriate tool and methodology for it to carry out an Assessment.
- 1.3.6 The Assessment Framework is in three parts:
- Part 1: Helping achieve the well-being objectives;



- Part 2: Taking into account the five ways of working; and
- Part 3: Contributing towards the seven well-being goals.

1.3.7 Later sections of this Assessment address these aspects of the Assessment Framework and the structure of the report is summarised below.

## 1.4 Structure of this Report

1.4.1 The remainder of this report is structured as follows:

- Section 2 summarises the duties on public bodies under the Act, what the Act means for IACC in relation to the DCO Project, and the wider legislative and policy context;
- Section 3 sets out the baseline context within which the DCO Project is being brought forward. It sets out the baseline and key issues arising from the DCO Project that will form the basis for the Assessment;
- Section 4 provides the outcomes of Part 1 of the assessment from the Future Generations Framework – consideration of the local context and the IACC and the local well-being objectives;
- Section 5 provides the outcomes of Part 2 of the assessment from the Future Generations Framework – consideration of the five ways of working;
- Section 6 provides the outcomes of Part 3 of the assessment from the Future Generations Framework – consideration of the seven well-being goals;
- Section 7 provides a commentary on scheme proposals in the context of observations drawn through the WBFGA Framework review and set within a geographic and community context; and
- Section 8 provides a conclusion to the assessments carried out in the preceding sections and provides recommendations for the Secretary of State to ensure that his future decision on the DCO Project accords as closely as possible with the objectives of the Act in full recognition of the unique characteristics of the island. It also provides recommendations to IACC in relation to the exercise of its functions.



## 2. Legislative and Policy Context

### 2.1 Introduction

2.1.1 Since 2015 the Welsh Government has passed a suite of Acts which form the latest legislative context for sustainable decision-making affecting the economy, society, the environment and the Welsh language in Wales. This section of the report sets out the relevant legislative and policy context for this Assessment at the national and local levels.

2.1.2 The following are considered in this section:

- The Well-being of Future Generations Act 2015;
- The Planning (Wales) Act 2015;
- The Environment (Wales) Act 2016;
- The Social Service and Well-being (Wales) Act 2014;
- Prosperity for All 2017;
- Planning Policy Wales: Edition 10 (draft) 2018;
- IACC Council Plan for 2017-2022;
- The Anglesey and Gwynedd Joint Local Development Plan;
- Nuclear Build at Wylfa: Supplementary Planning Guidance;
- Anglesey: A Unique and Special Place;
- The Isle of Anglesey – A Vision for 2025;
- Gwynedd and Anglesey Public Services Boards - Well-being Plan; and
- IACC's Well-being Objectives.

### 2.2 The Well-being of Future Generations Act 2015

2.2.1 The Act is aimed at improving the social, economic, environmental and cultural well-being of Wales. It is designed to make the public bodies listed in the Act think more about the long-term, work better with people and communities and each other, look to prevent problems and take a more joined-up approach.

2.2.2 Part 2 of the Act defines sustainable development as “the process of improving the economic, social, environmental and cultural well-being of Wales by taking action, in



accordance with the sustainable development principle, aimed at achieving the well-being goals”. In this context, the sustainable development principle means that public bodies “must act in a manner which seeks to ensure that the needs of the present are met without compromising the ability of future generations to meet their own needs.”

### The Well-being Duty

2.2.3 The Act requires public bodies (including the Welsh Government and IACC) to carry out sustainable development, placing a legal duty on them to do so.

2.2.4 The actions that public bodies must take in carrying out sustainable development are, (s.3(2) of the Act):

“(a) setting and publishing objectives (“well-being objectives”) that are designed to maximise its contribution to achieving each of the well-being goals, and

(b) taking all reasonable steps (in exercising its functions) to meet those objectives.”

2.2.5 The Act sets out that the public bodies must act in a manner which seeks to ensure that the needs of the present are met without compromising the ability of future generations to meet their own needs.

2.2.6 To help public bodies do so, the Act puts in place seven well-being goals, and five new ways of working, which form the “sustainable development principle”.

### The Well-being Goals and Ways of Working

2.2.7 The seven well-being goals are set out in Table 2.1 below.

**Table 2.1 The Well-being Goals from the Well-being of Future Generations (Wales) Act 2015**

| Goal                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A prosperous Wales</b> | An innovative, productive and low carbon society which recognises the limits of the global environment and therefore uses resources efficiently and proportionately (including acting on climate change); and which develops a skilled and well-educated population in an economy which generates wealth and provides employment opportunities, allowing people to take advantage of the wealth generated through securing decent work. |
| <b>A resilient Wales</b>  | A nation which maintains and enhances a biodiverse natural environment with healthy                                                                                                                                                                                                                                                                                                                                                     |



| Goal                                                          | Description                                                                                                                                                                                                             |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                               | functioning ecosystems that support social, economic and ecological resilience and the capacity to adapt to change (for example climate change).                                                                        |
| <b>A healthier Wales</b>                                      | A society in which people's physical and mental well-being is maximised and in which choices and behaviours that benefit future health are understood.                                                                  |
| <b>A more equal Wales</b>                                     | A society that enables people to fulfil their potential no matter what their background or circumstances (including their socio economic background and circumstances).                                                 |
| <b>A Wales of cohesive communities</b>                        | Attractive, viable, safe and well-connected communities.                                                                                                                                                                |
| <b>A Wales of vibrant culture and thriving Welsh language</b> | A society that promotes and protects culture, heritage and the Welsh language, and which encourages people to participate in the arts, and sports and recreation.                                                       |
| <b>A globally responsible Wales</b>                           | A nation which, when doing anything to improve the economic, social, environmental and cultural well-being of Wales, takes account of whether doing such a thing may make a positive contribution to global well-being. |

2.2.8 Complying with the “sustainable development principle” under the Act requires public bodies to consider the following five ways of working:

- The importance of balancing short-term needs with the need to safeguard the ability to also meet long-term needs.
- How acting to prevent problems occurring or getting worse may help public bodies meet their objectives.
- Considering how the public body's well-being objectives may impact upon each of the well-being goals, on their other objectives, or on the objectives of other public bodies.
- Acting in collaboration with any other person (or different parts of the body itself) that could help the body to meet its well-being objectives.
- The importance of involving people with an interest in achieving the well-being goals and ensuring that those people reflect the diversity of the area which the body serves.



## 2.3 Other Relevant Legislation and Policy

- 2.3.1 The Planning (Wales) Act 2015 requires that any statutory body carrying out a planning function must exercise those functions in accordance with the principles of sustainable development as set out in the Well-being of Future Generations (Wales) Act 2015 and in doing so contribute positively to the achievement of the Wales' well-being goals.
- 2.3.2 The Environment (Wales) Act 2016 sets out the legislative approach for the sustainable management of natural resources in Wales. It seeks to maintain and enhance the resilience of Wales' ecosystems and the services and benefits they provide and, in so doing, meet the needs of the present generation without compromising the ability of future generations to meet their needs. The Act is intended to support and complement the well-being goals outlined above.
- 2.3.3 The Social Service and Well-being (Wales) Act 2014 seeks to improve the well-being of people who need care and support, often those most vulnerable to the changes that may occur as a result of major development.
- 2.3.4 Prosperity for All takes the Welsh Government's commitments as set out in Taking Wales Forward and places them in a long-term context setting out how they fit into the work of the public sector and how they will lay the foundations for prosperity for all. Under the heading of Housing the document references Wylfa Newydd in the context of ensuring that new housing is provided to support the demands arising from this and other major developments in Wales. Reference is also made to Wylfa Newydd in the context of the economic opportunities it will provide.
- 2.3.5 Planning Policy Wales: Edition 10 was issued for consultation in February 2018. This is a revised document which seeks to deliver the vision of Wales as set out within the WBFGA. The document is considered by Welsh Government to embed the spirit of the Act with a focus upon a low carbon, resilient society providing secure and well-paid jobs within a well-connected environment.

## 2.4 Local Policy Context

### The IACC Plan

- 2.4.1 The IACC has prepared a new Council Plan for 2017-2022 which is the latest in a rolling series of IACC Corporate Plans. The Council Plan includes the key ambition of "working towards an Anglesey that is healthy, thriving and prosperous" and contains the Council's aim, focus areas and outcomes which the County Council, as an organisation, will be working towards in order to make a difference to the lives of Anglesey's citizens over the next five years, embedding the Well-being of Future



Generations (Wales) Act 2015. The objectives in the new Council Plan are broadly consistent with those from earlier plans.

2.4.2 The Council's aim is that:

*"we will be working towards an Anglesey that is healthy and prosperous where families can thrive."*

2.4.3 To help achieve that ambition and aim, it identified three priorities:

- Creating the conditions for everyone to achieve their long-term potential;
- Support vulnerable adults and families and keep them safe, healthy and as independent as possible; and
- Work in partnership with our communities to ensure that they can cope effectively with change and developments whilst protecting our natural environment.

2.4.4 The Plan explains that:

*"We will also do our very best to ensure that our work aligns with the goals and the principle of sustainable development embodied in the Well-being of Future Generations [WFG] Act."*

### **The Anglesey and Gwynedd Joint Local Development Plan (JLDP)**

2.4.6 The JLDP was adopted on 31 July 2017. The JLDP is a land use development strategy for a period of 15 years which concentrates on sustainable development. It will aim to achieve the following:

- Guide the development of housing, retail, employment and other uses;
- Include policies which will aid the Local Planning Authority's decision with regard to planning applications;
- Protect areas to ensure the maintenance and enrichment of the natural and built environment.

2.4.7 In undertaking this Assessment, account has been taken of the policies in the JLDP and the extent to which it will assist the IACC in meeting the requirements of the Act.

### **Wylfa Newydd: Supplementary Planning Guidance (Wylfa Newydd SPG)**

2.4.8 The New Nuclear Build at Wylfa: Supplementary Planning Guidance (NNB SPG) was originally produced and adopted by Isle of Anglesey County Council (the IACC) in July 2014. As the Joint Local Development Plan (JLDP) was yet to be adopted, the SPG was



produced to fill this policy gap. This enabled the IACC to influence and inform Horizon Nuclear Power's (Horizon) strategic decision making, it provided the basis for the County Council's response to Horizon's statutory consultations (PAC1, 2 and 3) and also provided a sound and robust policy framework for the IACC to make decisions in relation to any planning applications (as well as the DCO itself).

- 2.4.9 The SPG was revised in 2018 to take account of policy changes, including adoption of the JLDP, legislative changes and updates to the DCO Project. As the Council used the SPG to inform and underpin its response to earlier consultations undertaken by Horizon, it was important that this continuity was maintained leading into the DCO Examination. This SPG was therefore updated to reflect the policy, legislative and project changes as described above. The revised Wylfa Newydd SPG was formally adopted by Full Council on the 15th May, 2018 following a period of public consultation (11th January 2018 – 22nd February 2018).
- 2.4.10 The Wylfa Newydd SPG outlines the IACC's vision and objectives for the power station and associated/related development and provides advice on important local direct or indirect matters to help inform the project promoter's proposals and decision making. This well-being assessment presents one way by which the comprehensiveness of the SPG can be tested against the DCO application.
- 2.4.11 Given the scale and complexity of the Wylfa Newydd project, IACC believes that an SPG is necessary to provide guidance and advice to Horizon and any other third party applicants on how the policy should be applied. It also clearly sets out the Council's expectations from the Wylfa Newydd proposal.
- 2.4.12 The Wylfa Newydd SPG is a means of setting out more detailed thematic or site specific guidance on the way in which the policies of the JLDP are to be interpreted and applied in particular circumstances or areas. SPG does not form part of the development plan but it must be consistent with the plan and national policy. The SPG must be derived from and be clearly cross-referenced to a generic JLDP policy, a specific policy or a plan allocation.
- 2.4.13 A key concept in the Wylfa Newydd SPG is the proximity principle, whereby the impacts on the host communities closest to the main Wylfa Newydd site must be considered first, followed by North Anglesey, the Rest of Anglesey and then the wider sub-region. Any potential adverse impacts must be avoided, mitigated or compensated where relevant. This principle should also be adopted for the provision of any community benefits.
- 2.4.14 A series of topic papers were developed to bring together the evidence base and policy context for the original NNB SPG in 2014 and these were updated to inform the refresh of the document.



2.4.15 In undertaking this Assessment, account has been taken of the Wylfa Newydd SPG and the extent to which compliance with the thematic and site specific guidance it provides will assist the IACC, the Examining Panel and ultimately the Secretary of State, in meeting the requirements of the Act. The topic papers have also provided background information to inform the Assessment. The proximity principle also provides the basis for considering effects in more detail.

### **Anglesey: A Unique and Special Place**

2.4.16 This paper was produced by the IACC. It recognises that the island has a unique sense of place and that this sense of place (or sense of identity) is closely linked to human well-being.

2.4.17 The safeguarding of the well-being of our future generations is a primary theme running through current Welsh Government policy and legislation. The paper states that the linkage between place and sense of place on the island, and its protection and preservation for future generations, go hand-in-hand with meeting Government well-being goals and objectives. The paper therefore highlights some of the principal factors recognised as contributing to Anglesey's very special sense of place, particularly as it relates to the well-being of future generations on the island. The paper has been used to inform this Assessment.

### **The Isle of Anglesey – A Vision for 2025**

2.4.18 This document sets out a thematic framework to realise the IACC's legacy aspirations for major projects that are anticipated to come forward on the island, including the DCO Project.

2.4.19 For the purpose of the framework, 'legacy' means ensuring a positive impact for Anglesey and its communities, across a broad range of thematic issues, from the development, delivery and hosting of all proposed major projects.

2.4.20 IACC is of the firm view that achieving a positive and all embracing 'legacy' is integral in order to maximise long term benefits for the island and its residents and mitigate any possible adverse impacts.

2.4.21 The Council's legacy aspirations focus on the following thematic objectives:

- a) Creating a thriving and prosperous economy.
- b) Enabling residents to achieve their full potential.
- c) Ensuring residents are healthy, safe and equal.
- d) Protecting and enhancing the natural and built environment.



e) Maintaining the language and culture.

2.4.22 In developing the legacy framework, IACC had regard to the extent to which these objectives aligned with the five purposes of the Act. The legacy framework includes a series of proposals under each of these objectives that are relevant to this Assessment as they demonstrate IACCs role in helping to ensure that the DCO Project, as promoted by HNP and as potentially consented by the Secretary of State, contributes to securing the objectives of the Act.

### **Gwynedd and Anglesey Public Services Boards - Well-being Plan**

2.4.23 The Act establishes a Public Services Board (PSB) for each local authority in Wales and requires that PSB to publish a Local Well-being Plan, setting out its local Well-being Objectives and steps to achieve them.

2.4.24 The Gwynedd and Anglesey PSBs decided to work together and published their joint Draft Local Well-being Plan (Draft Plan) in late 2017 for consultation, this was still in draft at the time of undertaking this Assessment.

2.4.25 The Draft Plan has been informed by a Well-being Assessment, which has reviewed the social, cultural, economic and environmental characteristics and the local authority areas. A summary of the baseline context, which is relevant for the purposes of considering the Project against the local evidence base, is presented in Appendix C of this Report.

2.4.26 Having considered the data and the views of local people, the PSB concluded that the key messages were as follows:

- 1) The need to maintain a healthy community spirit;
- 2) The importance of protecting the natural environment;
- 3) Understanding the effect of demographic changes;
- 4) Protecting and promoting the Welsh language;
- 5) Promoting the use of natural resources to improve health and well-being in the long-term;
- 6) Improving transport links to enable access to services and facilities;
- 7) The need for good quality jobs and affordable homes for local people;
- 8) The effect of poverty on well-being; and



- 9) Ensuring an opportunity for every child to succeed.

2.4.27 Having examined the main messages and considered findings of other research and assessments, two well-being objectives and six priority areas were identified to help achieve the objectives. These are shown in Table 2.2 below.

**Table 2.2 Gwynedd and Anglesey local well-being objectives**

| Well-being objectives                                                    | Priority areas                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Communities which thrive and are prosperous in the long term          | <ul style="list-style-type: none"> <li>• The Welsh language</li> <li>• Homes for local people</li> <li>• The effect of poverty on the well-being of our communities</li> <li>• The effect of climate change on the well-being of communities</li> </ul> |
| 2. Residents who are healthy and independent with a good quality of life | <ul style="list-style-type: none"> <li>• Health and care of adults</li> <li>• The welfare and achievement of children and young people</li> </ul>                                                                                                       |

2.4.28 In addition to the ways of working established in the Act, the Draft Plan includes two additional principles, which are relevant to carrying out sustainable development in the PSB area as follows:

- The Welsh Language – promoting the use of the language in all aspects of work and working with communities to develop services and activities through the medium of Welsh; and
- Equality – continuing to tackle inequality and disadvantage to close the gap between the most privilege and deprived communities.

### **IACC Well-being Objectives**

2.4.29 The Isle of Anglesey County Council (IACC) published its own Well-being Objectives for 2017-18 in February 2017, based on the draft well-being assessment undertaken by the PSB. There are four objectives, which are to:

- 1) Create sustainable communities by developing a thriving and prosperous economy that offers the opportunity for every resident, irrespective of background, to succeed;
- 2) Improve families' and children's long-term prospects by ensuring that every child has the best start in life, are safe and healthy and that all pupils, irrespective of background or age, reach their potential;



- 3) Protect and enhance the natural and built environment by securing good quality modern infrastructure to suit individual and business needs alike; and
- 4) Ensure the supply of affordable, high quality housing and manage supply in order to develop resilient bilingual communities that promote the language and culture to ensure the long-term future of the Welsh language as an asset for the island.

2.4.30 Section 4 of this report considers the extent to which the IACCs objectives align with those of the PSB. It should be noted that these objectives have now been subsumed into the IACC Plan 2017-2022.

## 2.5 What the Act means for the IACC

2.5.1 As the Wylfa Newydd application is for a Nationally Significant Infrastructure Project the Act and its obligations are clearly matters the Examining Panel and Secretary of State ought to consider as both important and relevant considerations pursuant to s105 Planning Act 2008. The conclusions of this Assessment are accordingly important considerations for the SofS in determining the DCO application. As noted earlier in this section, the Act requires the IACC to carry out sustainable development and act in accordance with the sustainable development principle. That means it must seek to ensure that any decisions which are taken by it, or by others, which might impact on the area of Anglesey, or its inhabitants, are taken in a manner which:

- Seeks to ensure that the needs of the present are met without compromising the ability of future generations to meet their own needs;
- Takes into account the five ways of working;
- Gives effect to the well-being goals; and
- Seeks to achieve the well-being objectives identified for the area of Anglesey.

2.5.2 In order to ensure the purposes of the Act and other legislative provisions within the Assessment are met it is critical that the factors listed above are applied to all decision making relating to the environment and built development within Anglesey and Wales as a whole.

2.5.3 In undertaking this Assessment regard has been had to the following context:

- The DCO Project will be determined by the Secretary of State for Business, Energy and Industrial Strategy, who will also need to have regard to the Act;
- IACC is a consultee for the DCO and must provide a Local Impact Report;



- IACC will be the determining authority for any related developments;
- IACC will have a key role in ensuring that the DCO Project and other projects deliver the legacy for the island identified in the Council's Vision for 2025. One way to do this will be through the discharge of its statutory functions, e.g. relating to advice and benefits, business, community, education, health and care, housing, planning and the environment and transport and roads.



### 3. Baseline Context Considered in this Report

#### 3.1 Introduction

3.1.1 This section sets out the baseline context for the work. It begins by summarising the factors that contribute to sense of place on the island and then introduces the baseline information and key issues as they relate to the well-being goals in the Act.

#### 3.2 Sense of Place

3.2.1 The community, civic leaders and visitors to Anglesey view it as a unique and special place. The following aspects contribute to the 'sense of place' in Anglesey:

- Landscape (including the coast) – The landscape in Anglesey is gently undulating, with spectacular beaches and coastal scenery which is reflected through responses to visitor surveys. There are over 200 Scheduled Ancient Monuments, and many 'high' and 'outstanding' landscape character areas;
- Natural environment - Anglesey hosts eight European Special Areas of Conservation (SACs), three Special Protection Areas (SPAs), one Ramsar site, four National Nature Reserves and 64 Sites of Special Scientific Interest (SSSIs). There are species on Anglesey that are no longer common on the mainland, including the red squirrel;
- Rurality, Peace and Tranquillity - Anglesey is the base of a number of award winning food producers, continuing its agricultural tradition. The tranquillity of the island is noted in visitor surveys and evidenced by the low levels of noise complaints on Anglesey;
- Heritage and history – There are strong links between the landscape and sacred stories of shamans, druids, early Christian saints, witches, giantesses and ancient gods. The Welsh language is strongly embedded in the identity of Anglesey, reinforced by its predominant continued use in many communities;
- Outdoor activities – Anglesey is a popular tourism destination, with its landscape as a setting for recreation walkers, bird watchers and water-sports enthusiasts. Anglesey features a 125 mile coastal path, National and Local Cycling Routes and other paths which provide access to the natural environment including the beaches and coast;
- Resilient and adaptable – The local population continues to make the most of opportunities that come to the island, which have in the past included copper mining, international trade and aluminium smelting; and
- Physical geography as an island – The clearly defined boundaries of the Isle of Anglesey clearly differentiate it from the mainland, which instils a sense of pride



and belonging for locals and enables visitors to feel that they are somewhere different.

### **3.3 Thriving Places Wales**

- 3.3.1 Thriving Places Wales is an index which measures how well local authority areas in Wales are growing the conditions for equitable and sustainable well-being. It can be used as a tool to benchmark between areas in Wales, with all performance measures normalised to a Wales average.
- 3.3.2 Thriving Places Wales assembles indicators of well-being across three dimensions: local conditions, sustainability and equality. Within these three dimensions there are domains and sub-domains which capture information about a range of well-being drivers.
- 3.3.3 The Isle of Anglesey scored slightly above the Wales average for local conditions, slightly below the Wales average for sustainability and well above the Wales average for equality. The low score in sustainability is due to Anglesey's relatively high ecological footprint and greenhouse gas emissions. The high score in equality is due to relatively good performance with regards to health and income inequality. The data used to derive these scores has not been made publicly available at the time of writing this report, so it is not possible to interpret further the origin and implications of these scores.

### **3.4 Applying the Future Generations Framework within the Baseline Context**

- 3.4.1 Appendix C of this Assessment sets out information on the baseline environment (covering economic, social and environmental factors) against the seven well-being goals. It identifies key issues that are relevant to the DCO project during construction and operation. In doing so it has drawn on the Sense of Place Paper produced by the IACC and the topic papers for the Wylfa Newydd SPG. It also identifies mitigation that is already proposed (as this provides the context for the Assessment). Mitigation has been identified from a review of the proposals forming part of the DCO Project.
- 3.4.2 The following table summarises the key issues for Anglesey. Most if not all of the issues identified at the Anglesey level are also relevant issues for the communities of North Anglesey. Additional or supplementary issues which have been identified within the North Anglesey topic paper prepared to inform the Wylfa Newydd SPG 2018 are also included.



**Table 3.1 Anglesey and North Anglesey Key Issues and Well-being Goals**

| <b>Well-Being Goal</b> | <b>Anglesey</b>                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>North Anglesey</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prosperous</b>      | <ul style="list-style-type: none"> <li>• The need to upskill, train and educate</li> <li>• maximisation of employment opportunities and supply chain</li> <li>• Support for SMEs and tourism</li> <li>• Improvements to infrastructure including broadband</li> </ul>                                                                                                                                                                         | <ul style="list-style-type: none"> <li>• The opportunities that present themselves for inward investment, either the allocated housing or employment sites of Amlwch and Cemaes</li> </ul>                                                                                                                                                                                                                                                                                  |
| <b>Resilient</b>       | <ul style="list-style-type: none"> <li>• Avoid, mitigate or compensate pollution</li> <li>• Protect and enhance biodiversity, soils and geodiversity</li> <li>• Protect the marine and coastal environment</li> <li>• Protect existing and promote new green and blue infrastructure</li> <li>• Consideration of cumulative environmental impacts</li> <li>• Remove and contain waste to eliminate harm to the natural environment</li> </ul> | <ul style="list-style-type: none"> <li>• Protection of the landscape of North Anglesey and views, in particular seascapes and important and designated landscapes, particularly the AONB</li> <li>• The poor quality of some of the water bodies particularly in and around Cemaes</li> <li>• Consider cumulative impacts arising from the Wylfa Newydd project upon the communities of North Anglesey in-combination with other proposals, plans and programmes</li> </ul> |
| <b>Healthier</b>       | <ul style="list-style-type: none"> <li>• Minimise and mitigate impacts upon health</li> <li>• Mitigate the increase in vehicle movements including HGVs</li> <li>• Support healthy lifestyles</li> <li>• Protect existing levels of good air quality</li> <li>• Mitigate the effects arising from displacement of those</li> </ul>                                                                                                            | <ul style="list-style-type: none"> <li>• Maintain and where appropriate improve local air quality</li> <li>• Recognise the mental stress that can result from a combination of effects upon local residential amenity, particularly in and around those communities closest to</li> </ul>                                                                                                                                                                                   |



| Well-Being Goal             | Anglesey                                                                                                                                                                                                                                                                                                                              | North Anglesey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | employed in health and social care                                                                                                                                                                                                                                                                                                    | the main site, seek to mitigate effects<br>Opportunities to help local communities to lead healthy lifestyles                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>More equal</b>           | <ul style="list-style-type: none"> <li>Promote better access to jobs particularly from within communities experiencing deprivation</li> <li>Support service delivery addressing issues of accessibility and remoteness</li> <li>protect vulnerable members of the community</li> <li>Reduce poverty and address inequality</li> </ul> | <ul style="list-style-type: none"> <li>The comparative low level of service provision, the likely further decline and the pressures that may be faced as a result of substantial numbers of construction workers coming to live in the area</li> <li>The current level of public transport provision and the need to ensure that it is sufficient to respond to the needs both of construction workers employed directly at the main site but also those workers in the local community who may in addition be accessing the associated and related sites</li> </ul> |
| <b>Cohesive Communities</b> | <ul style="list-style-type: none"> <li>Ensure workforce and community safety</li> <li>Maintain low levels of crime</li> <li>Avoid increasing social inequality</li> <li>Safeguard communities from harm</li> <li>Minimise disruption to infrastructure</li> </ul>                                                                     | <ul style="list-style-type: none"> <li>The need to acknowledge the lack of suitable accommodation, the high proportion of owner occupation and lack of significant numbers of smaller, rented accommodation</li> <li>Existing problems of affordability and how they might be exacerbated</li> </ul>                                                                                                                                                                                                                                                                 |



| Well-Being Goal             | Anglesey                                                                                                                                                                                                                                             | North Anglesey                                                                                                                                           |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | <ul style="list-style-type: none"> <li>Do not compromise community access to housing</li> <li>Maintain and enhance access to services and facilities</li> </ul>                                                                                      |                                                                                                                                                          |
| <b>Vibrant Culture</b>      | <ul style="list-style-type: none"> <li>Maintain and expand the use of the Welsh language</li> <li>Protect and enhance designated and non-designated heritage assets</li> <li>Protect and provide for green spaces and cultural activities</li> </ul> | <ul style="list-style-type: none"> <li>Protection of the historic environment and opportunities for the sympathetic use of historic buildings</li> </ul> |
| <b>Globally Responsible</b> | <ul style="list-style-type: none"> <li>Adapt to and mitigate the effects of climate change</li> <li>Contribute to a reduction in greenhouse gas emissions</li> <li>Manage areas at risk from flooding</li> </ul>                                     | The Coastal Change Management Area identifies North Anglesey as a coastline subject to high risk from erosion and flooding                               |



## 4. Framework Assessment Part 1 – Well-being Objectives

### 4.1 Introduction

4.1.1 Part 1 of the Assessment recognises that each PSB has set its well-being objectives. In each case these objectives must maximise the body's contribution to all of the national well-being goals. Part 1 of the Assessment considers how the DCO can support the delivery of the local objectives developed by Gwynedd and Anglesey PSBs (as set out in Table 2.2 of this Assessment) by making connections and integrating the project within the context of local well-being of the area. The relationship between the PSB's well-being objectives and the IACC's well-being objectives (see Section 2.4 of this Assessment) are also discussed in Part 1 of the Assessment Framework. Furthermore, the project was assessed against the nine messages identified by the PSB Having considered the data and views expressed by the local people it consulted. The assessment considered the implications of the construction and operational phases separately and drew out opportunities for further work.

#### Basis of assessment of the development proposal

4.1.2 An assumption has to be made in an assessment like this as to the manner in which mitigation is to be taken into account. Mitigation in this sense is referring to measures that would negate or ameliorate adverse impacts that might otherwise arise from the development. Mitigation measures may create benefits in the same way that the development will have aspects that will, of themselves, be the cause of positive, beneficial impacts, in terms of the Act's wellbeing objectives. The underlying assumption in this report has been that:

- A mitigation proposal that is intrinsically part of a proposal such that it must be delivered as part of the development is treated as a baseline impact of the proposal,
- Potential mitigation that may be provided, that has been described as a possibility but is not certain of delivery or extent, is treated not as a baseline impact, but as a measure that could be provided.

4.1.3 In this way, the assessment reports upon the extent to which the development as presently proposed meets the Act's objectives and then provides additional commentary on how further mitigation, wherever possible by reference to specific mitigation steps, would advance the development's overall ability to meet the Act's objectives. This approach also allows assessment of the extent to which the development could be considered to have failed to meet the Act's objectives where there are instances of mitigation that is either inadequate or uncertain.



## 4.2 Results and Recommendations

4.2.1 Appendix D presents the results of the exercise following the format of the Assessment Framework. It includes a commentary on the assessment and perceived need for further measures to contribute to the local well-being objectives and, as above, the consequences in terms of ability to meet the Act's objectives with or without those further measures. A summary of the main assessment outcomes is set out below. In line with the assessment framework these outcomes are set out against the construction phase and operation phase. Additionally, the main additional needs identified through the assessment are also summarised.

### Construction

- 4.2.2 The assessment recognises that the greatest impacts on the well-being of Anglesey's communities will be felt during the construction phase. The assessment identifies a number of areas where the project performs well against certain PSB/IACC well-being objectives and other areas where concerns remain and opportunities exist to go further than proposed at present.
- 4.2.3 Development of Wylfa Newydd will involve a peak construction workforce of 8,500 (the project Environment Statement (ES) undertakes assessment of 9,000 workers). The assessment notes that the large construction workforce will have a number of beneficial and negative impacts on the achievement of well-being objectives, including those related to securing quality jobs and affordable homes, and ensuring thriving and prosperous communities. The project may have limited short term effect on demographic change as it could contribute to the retention of young people on the island.
- 4.2.4 Access to affordable homes is a central theme of the PSB/IACC well-being objectives. The assessment notes that a demand for 3,000 bedspaces in the local housing market may have negative effects on the private rented sector and affordability of housing. Monitoring of private rents, house prices, displacement and empty homes is required with effective mitigation delivered through the Housing Fund in advance of significant effects occurring.
- 4.2.5 The ES considers that effects on the Welsh language from the project are neutral due to the mix of positive and negative effects arising from the project. The assessment considers that the expected profile of the construction workforce will mean that there are large number of non-Welsh speakers employed during construction. The assessment notes the need to educate the incoming workforce on Welsh culture, whilst support will need to be given to the families of construction workers when those at school require welsh language immersion teaching.



- 4.2.6 A key theme emerging from the assessment against the PSB and IACC well-being objectives are the physical and social barriers that may limit access to the range of job opportunities that will arise during the construction phase.
- 4.2.7 The provision of childcare facilities can be a key factor in limiting access to employment, especially for those re-entering employment following child birth. If the employment opportunities potentially available are to benefit the existing and potential local workforce then the provision of childcare across the island, especially within rural areas, needs further consideration. The delivery of sustainable transport modes (including public transport), particularly through rural areas, also affects the ability of those without a private car to access work. More broadly, the assessment considered that the project may impact on access to services and facilities (including higher level services such as Ysbyty Gwynedd) during construction, this is particularly related to works on the A5025 during the earlier stages of construction and impacts on the Britannia Bridge.
- 4.2.8 The implementation of effective education in science, technology, engineering and maths (STEM) across the island will help enable access to the opportunities that may arise. Delivering education is also central to well-being objectives related to ensuring opportunities are in place for children to succeed. The implementation of the proposed Jobs and Skills Strategy is central.
- 4.2.9 More broadly the assessment recognises that the access to the rich natural resources on the island is important to well-being and supporting healthy lifestyles. The development at the WNDA will involve the severance of several Public Rights of Way (PRoW) whilst the Wales Coast Path will be temporarily diverted around the site (to be made permanent during the operational phase). The assessment notes that the establishment of a specific PRoW Strategy (as opposed to consideration lying within the CoCP) is important to ensure a co-ordinated response to these effects. Additionally, the provision of replacement paths that are accessible to those of all abilities would help mitigate some of the impacts on well-being. It is noted that the project Health Impact Assessment (HIA) identifies the benefits of 'fun trails' for younger age groups although other project documentation does not make clear how these will be implemented.
- 4.2.10 Recognising the importance placed on the natural environment to the achievement of well-being on the island, the assessment identifies that the construction phase will have significant effects on biodiversity and landscape (based on the project ES). The assessment highlights particular concerns with regards to impacts on the Tre'r Gof SSSI from development of the main site and recognises the intention to provide compensation habitat sites off-site. The loss of on-site species is noted and further information required to demonstrate that the proposed receptor sites can adequately mitigate for the effect upon certain species. The assessment notes that it is important to have measures



in place to appropriately manage the compensation sites in advance of works taking place at the Wylfa Newydd Development Area (WNTA).

4.2.11 Due to the size and scope of Wylfa Newydd development, impacts on the landscape are inevitable. The assessment notes that the landscape surrounding the WNTA is of high quality with the majority of the coastal area of Anglesey designated as an Area of Outstanding Natural Beauty. During the construction phase there are a range of measures to mitigate these impacts but they are unlikely to resolve all issues of potential significance. The assessment notes that the landscape and views plays an important role in community spirit. The project HIA recognises the relationship between environmental quality and good health.

4.2.12 Additionally, the effects on the achievement of 'dark skies' status are noted in the assessment. There is an opportunity to achieve this status which will demonstrate the tranquillity of the island and support the tourism economy (a key economic sector on the island linked to the tranquil rural and coastal nature of the island). The project should ensure that the opportunity will not be compromised.

## Operation

4.2.13 The assessment highlights that the positive and negative effects on achieving the range of well-being objectives will generally not be felt to the same extent during operation of Wylfa Newydd as the construction phase.

4.2.14 The power station will however be one of the largest employers in Anglesey and deliver lasting job opportunities over its 60 year life span. The operational workforce of around 850 will largely be based on the island itself (87% of the workforce according to the ES). The assessment recognises that this is likely to support achievement of a number of well-being objectives related to sustaining thriving and prosperous communities, ensuring good quality jobs, addressing poverty, and supporting the Welsh language.

4.2.15 Well paid, sustained job opportunities at Wylfa Newydd may have a limited impact on demographic change by encouraging the retention of the working age population (when combined with other Energy Island Programme developments). This is also noted as being likely to promote community and social cohesion on the island whilst providing wider benefits through the direct and indirect spend in the local economy.

4.2.16 The assessment noted that the implementation of mitigation measures (particularly the implementation of the Community Impact Fund and Housing Fund) is required to address effects during operation.



4.2.17 The assessment recognises that the effects on the landscape during the operational phase are likely to lessen over time as the site becomes a more familiar feature in the landscape. However, the assessment notes that the long-term maintenance of the Landscape and Habitat Mitigation Strategy (LHMS) needs to be secured to manage effects successfully and to ensure that the mitigation measures proposed are adequately maintained on a permanent basis. Monitoring of the successful implementation of the LHMS will be required.

### Summary of Additional Mitigation Requirements recorded

4.2.18 The following additional requirements for mitigation have been recorded. IACC considers that these additional measures are needed to ensure that the application as submitted makes a full and proper contribution to the Act's objectives.

**Table 4.1 Well-being Objectives: Requirements**

| No. | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Front load mitigation to support IACC dealing with the issues before they arise. - <i>Horizon propose a general approach which is to monitor and manage (mitigate) impacts. In some circumstances this may mean that adverse effects have to occur before measures are put in place to address them. This would be inconsistent with the Act.</i>                                                                                                                                                                |
| 2   | Ensure DCO requirements allow IACC to discharge its functions in relation to the Well-being and Future Generations Act. - <i>The DCO as submitted includes DCO requirements written in such a way so as to remove IACC's ability to comment and approve final details. This could result in impacts arising upon the natural and built environment, and to local communities which IACC would not be able to control.</i>                                                                                        |
| 3   | Agree monitoring regimes for both the construction and operation phases of development with regard to terrestrial and marine ecology and surface and groundwater. - <i>Whilst Horizon refer to the importance of monitoring, the precise details of what is to be monitored, when and how often has yet to be agreed and the nature of measures which could be put in place to address. IACC requires additional certainty that any measures identified would be sufficient to address the impacts recorded.</i> |
| 4   | Ensure the Landscape and Habitat Management Strategy (LHMs) is secured over the long term during the operation of Wylfa Newydd. - <i>DCO requirement WN11 does not state the duration over which the management will take place. Without a commitment for the lifetime of the power station the benefits arising from the scheme may reduce over time which would be contrary to the aims of the Act.</i>                                                                                                        |
| 5   | Consider how public access to Cestyll Gardens can be encouraged and enhanced. - <i>Present access is limited. The project provides an opportunity for Horizon to work with the landowner to improve and extend access to the gardens</i>                                                                                                                                                                                                                                                                         |



| No. | Requirement                                                                                                                                                                                                                                                                                                                                                                              |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6   | Ensure the Jobs and Skills Strategy is secured and implemented. – <i>Horizon will need to work closely with IACC to deliver the strategy and it will need to agree and deliver a detailed monitoring framework to ensure that it is delivered successfully.</i>                                                                                                                          |
| 7   | The project WLIA outlines a number of mitigations. IACC would seek the inclusion of measurable linguistic targets for all Wylfa Newydd operational staff. – <i>The use of targets is a way for Horizon to understand the success or otherwise of its language initiatives.</i>                                                                                                           |
| 8   | Delivery of Welsh language immersion needs to be secured through S106 and the WLCMS. Attention needs to be given to the recruitment needed to support effective educational delivery. – <i>Newcomers are unlikely to be able to speak welsh and consequently demand for immersion training would help them to understand the local culture of communities they may live and work in.</i> |
| 9   | Develop a historic trail where the Wales Coast Path is diverted inland around power station. – <i>This would help to reinforce local culture and heritage.</i>                                                                                                                                                                                                                           |
| 10  | Horizon should establish a Public Rights of Way Management Strategy to provide overview of how to limit negative effects and maximise opportunities associated with the project. – <i>The current application includes little specific detail on how individual rights of way will be affected and managed,</i>                                                                          |
| 11  | Investigate opportunities to support development of green and open spaces, including ‘trim trails’. – <i>In line with HIA recommendations such measures would support local community health and recreation.</i>                                                                                                                                                                         |
| 12  | Include interpretation/displays regarding natural history within the proposed visitor centre. – <i>This would be partial compensation for the potential loss of local ecological features within and adjoining the site.</i>                                                                                                                                                             |
| 13  | Develop more extensive cycle path provision along the A5025 off-line improvements. – <i>Current proposed provision is limited to one section, Horizon should provide a strategy to improve cycle provision between communities along the A5025.</i>                                                                                                                                      |
| 14  | Require that the footpaths that are realigned or replacements as a result of construction activities are made accessible to all members of the community. – <i>This will support community health and recreational opportunities.</i>                                                                                                                                                    |
| 15  | Provide educational information with regard to aspects of the natural and cultural environment particularly along the realigned Wales Coast Path. – <i>This would help to reinforce local culture and heritage.</i>                                                                                                                                                                      |
| 16  | Implement initiatives referenced within the HIA to development fun trails in the local area. – <i>In line with HIA recommendations such measures would support local community health and recreation.</i>                                                                                                                                                                                |



## No. Requirement

- 17 Horizon should fund opportunities for the promotion of dark skies status on the island. – *Thereby supporting local tourism in addition to the inherent natural environmental benefits.*
- 18 In liaison with IACC. provide improvements to the A5025 from the Wylfa Newydd site to Amlwch. – *To address IACC and local community safety concerns.*
- 19 Identify and implement measures to mitigate the causes and effects of driver stress along the A55. – *This would support local community health and safety as well as provide benefits to the construction workforce.*
- 20 Horizon should undertake sensitivity testing of their transport model with particular focus upon Britannia bridge and to include implications of bridge closures. – *Local communities rely upon easy access to higher order facilities in Gwynedd whilst the ease of access onto the island is a consideration for visitors.*
- 21 Ensure that Horizon's mitigation of the temporary site campus is delivered in a phased manner ahead of worker demand. – *This is key to delivering effective mitigation for effects upon the local housing market.*
- 22 Deliver mitigations through the Housing Fund in advance of peak workforce. *Horizon needs to ensure that potential impacts are addressed before they occur and to do this, early works will be necessary.*
- 23 The provision of childcare facilities/services should be examined as a way of reducing potential barriers to work. – *Enabling all members of the community to access employment opportunities would support the aspiration of a prosperous Wales and resilient communities.*
- 24 Horizon should work with IACC in the delivery of the IACC drafted anti-poverty strategy. – *This would contribute towards addressing inequality and support resilient communities.*
- 25 Develop education and skills training, including support for access into higher education for young people with a view to employment requirements at the operational phase 4-5 years ahead of power station commissioning. – *Opportunities for a prosperous Wales extend beyond the construction phase and early planning for operational employment opportunities needs to be undertaken.*
- 26 Widen the proposed monitoring framework to include for the monitoring of private rents, house prices, rates of homelessness, displacement etc. – *To identify and understand effects upon the local housing market.*
- 27 More investigation and quantification of displacement effects. Actions to ensure that vacancies within the health and social care sectors are filled. Early investment in STEM and careers advice. – *Existing levels of support within local communities may be compromised should workers leave for better opportunities associated with the project.*



| No. | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28  | Continue education, skills and career support into the operational phase. – <i>This will ensure that the local employment benefits of Wylfa are maximised for future generations.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 29  | Provision of public transport provision connecting areas of deprivation to the main site at both construction and operational phases. – <i>This would support access to employment opportunities promoting the resilience of communities.</i>                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 30  | Extend upon the existing cycle lane proposed for A5025 which appears to only feature in one section. – <i>As noted above, Horizon should develop and fund the implementation of a cycle strategy to promote access between communities along the A5025.</i>                                                                                                                                                                                                                                                                                                                                                                                                    |
| 31  | Horizon should quantify the HIA assumption that future energy supply will be affordable, particularly to those in fuel poverty. Are there measures that could be taken by Horizon to support initiatives targeting fuel poverty? – <i>Fuel poverty can have a significant economic and health impact upon residents.</i>                                                                                                                                                                                                                                                                                                                                       |
| 32  | Provide support to enable the local labour market to access the construction job opportunities. Support training, particularly at NVQ level 4+ STEM subject, NVQ level 3 construction and engineering. – <i>This would support access to new employment opportunities and improve the resilience of communities.</i>                                                                                                                                                                                                                                                                                                                                           |
| 33  | Ensure that additional school places particularly at primary level are provided in advance of demand. – <i>IACC remains concerned over the pressures which could be faced by local schools resulting from the arrival of construction worker families.</i>                                                                                                                                                                                                                                                                                                                                                                                                     |
| 34  | Monitor Welsh language educational needs at primary and secondary school level and provide funding for immersion classes. – <i>This will support an understanding of local culture.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 35  | Ensure that habitat management of the ecological receptor, compensation and enhancement sites continues throughout the operational phase of the project and is secured through LHMS. – <i>Long-term compensation for the impacts upon the natural environment needs to be secured.</i>                                                                                                                                                                                                                                                                                                                                                                         |
| 36  | Horizon must provide additional granularity to the submitted Phasing Plan, particularly with regard to the phasing of the site campus. It should also monitor patterns within the local housing market as opposed to purely the type and location of accommodation chosen by the workforce. The Housing Fund must have sufficient monies to deliver a range of initiatives and be retained into the operational phase of the project to deliver legacy. – <i>The project anticipates a significant of workers will seek accommodation within local communities. This may give rise to effects upon the local housing market reducing community resilience.</i> |

4.2.19 IACC accepts that Horizon has identified a number of intrinsic measures to mitigate adverse effects. However, in some instances it is concerned that the mechanisms for



delivery are sometimes ill-defined with few safeguards to enable IACC to enforce implementation as well as its duty to better ensure consistency with the Act. The assessment has therefore identified additional mitigations, in the form of project requirements which could be deployed to reduce effects upon local communities and the environment and enhance the benefits. Examples include recommendations for support to improve existing public transport provision, for childcare provision, and for dark skies status together with the consideration of improvements to the A5025 east of Cemaes.

### 4.3 Conclusion

- 4.3.1 The assessment of the project against the well-being objectives has considered both those adopted by the Council as well as those of the PSB. Whilst each set of objectives overlap in terms of content with the other, it is clear that consideration against both enables a fuller assessment of the project and a thorough identification of opportunities for further consideration. In summary, the project has the capacity to significantly benefit the local communities of Anglesey but in so doing it must be recognised that with the benefits there are also likely to be costs.
- 4.3.2 Without the confidence that otherwise intrinsic mitigation will be delivered IACC must conclude that the project as assessed fails to meet the Act's objectives. This failure may result from a lack of detail or imprecision in the way in which the stated commitments are made with the effect that IACC cannot be confident that they would deliver the benefits proposed. IACC is also of the opinion that the mitigations which have been identified are sometimes insufficient such that it can be cannot be confident that the project would not be detrimental to the Act.
- 4.3.3 Given the concerns expressed IACC has identified additional Wellbeing requirements. If these are acted upon by the project promoter, the result should be a project which has the ability to meet the Act's wellbeing objectives. A failure to accept IACC's recommendation may however mean that the opportunity is missed and that negative effects upon local communities may transpire.



## 5. Framework Assessment Part 2 – Five Ways of Working

### 5.1 Introduction

5.1.1 This section considers the DCO Project in the context of the five ways of working set out in the Act. To recap the five ways of working set out in the Act are:

- The importance of balancing short-term needs with the need to safeguard the ability to also meet long-term needs.
- How acting to prevent problems occurring or getting worse may help public bodies meet their objectives.
- Considering how the public body's well-being objectives may impact upon each of the well-being goals, on their other objectives, or on the objectives of other public bodies.
- Acting in collaboration with any other person (or different parts of the body itself) that could help the body to meet its well-being objectives.
- The importance of involving people with an interest in achieving the well-being goals and ensuring that those people reflect the diversity of the area which the body serves.

### 5.2 Assessment Summary

5.2.1 Appendix E presents the results of the exercise. It includes a commentary on the assessment and the consequences of provision/non-provision that further mitigation contributions would have to the five ways of working. A summary of the assessment is set out below.

**Long-term: the importance of balancing short-term needs with the need to safeguard the ability to also meet long-term needs.**

5.2.2 The first way of working is to consider the balance between the short and long-term. To do this, the assessment suggests the identification of key future trends and consideration of how the project can affect, or be affected by, them.

5.2.3 The first key trend identified is Social and cultural – demographic change, cultural diversification, poverty reduction and the Welsh language.

5.2.4 The population of Anglesey is ageing with the number of young people decline as a proportion and this has potential implications for the provision of services, the economy and housing. Culturally, the population is less diverse than Wales as a whole whilst



57% of people speak Welsh which, whilst relatively high compared to the rest of Wales, continues to decline.

- 5.2.5 The construction phase will have direct and indirect effects upon the trends identified. Increases in the number of jobs available, and in the range of job types may encourage a greater proportion of young people to stay in their local communities. This may have secondary positive effects for the Welsh language. During the operational phase a smaller workforce will be required. This will still however be significant and long-lasting. Furthermore, planned outages will temporarily increase the workforce and provide economic opportunities for local accommodation providers. Long-term, high skilled jobs should support local communities and safeguard the Welsh language providing sufficient and relevant training and skills provision is provided.
- 5.2.6 The second key trend identified is Environmental – climate change, pressure on biodiversity and habitats, waste management.
- 5.2.7 Future trends associated with climate change suggest an increase in average Wales temperatures of up to 2.5°C by 2050 with implications for health, the economy and the environment. Future levels of waste arisings are likely to increase at a very low level with recycling continuing to be a key objective.
- 5.2.8 Constructing the project is will generate carbon emissions and will not mitigate climate change. Emissions will be generated as a result of the activities taking place and in the production of materials used in construction. There are however opportunities to reduce emissions through the use of more sustainable materials and through the ways in which construction activities take place. Construction activities may lead to further detrimental effects upon habitats and species which are already beginning to experience stress as a result of climate change. The project documentation states that construction waste will be minimised, segregated and re-used where possible. A specific waste management plan should be prepared setting specific targets.
- 5.2.9 The operational phase can mitigate climate change. The operation of the power station may displace the carbon that would otherwise be emitted by other types of electricity generation. As an Anglesey level habitats and species which might be suffering stress from climate change may experience ecological benefit via the proposed ecological compensation and receptor sites providing they are managed in the long-term. IACC needs to be confident that mechanisms are in place to implement, manage and maintain these sites at least for the lifetime of the development.
- 5.2.10 The third key trend identified is Economy – economic and income growth, jobs, skills and education.



- 5.2.11 Approximately three quarters of the population are in employment although rates are higher than in Wales as a whole. Similarly average wages are below the Welsh average. More people leave the island to work on a daily basis than arrive whilst the local workforce has a higher skill level than the north Wales average.
- 5.2.12 The project forms part of the Energy Island Programme which represents a significant opportunity to grow the economy of the island. During construction Horizon estimate that over 2,000 workers could come from local communities and this may result in rises in average salaries, accelerated skills development and indirectly in population retention. Local workers may however leave their existing employment to take advantage of jobs associated with the project. Without adequate mitigation in place this could lead to vacancies in certain lower paid yet critical industries such as in adult and childcare. Consideration therefore needs to be given to measures to mitigate these potential displacement effects. The operational phase provides for a still significant number of high skilled, potentially well-paid jobs.

**Prevention: prevent problems occurring or getting worse may help public bodies meet their objectives.**

- 5.2.13 The second way of working is ‘prevention’ and calls for a consideration of the types of problems the project could address.
- 5.2.14 The first type of problem identified is Social and Cultural. A number of baseline problems have been identified, most of which are referenced in the consideration of future trends above. During the construction phase the project has the potential to address problems such as an ageing and declining population, relatively low pay and a lack of on-island job opportunities. In so doing it would help to make local communities more resilient. There will however be negative effects arising from the project which require mitigation. Key amongst these could be the affect upon the local housing market with demand for private renting and owner occupation raising prices and increasing problems of unaffordability. Mitigation measures would include the early and phased delivery of the site campus and the successful implementation of a well-resourced housing fund both informed by comprehensive monitoring.
- 5.2.15 Longer-term economic benefits during construction are more likely to be realised within the surrounding local communities than at the operation phase. Education and skills training will be vital to ensure that as many local people as possible are able to take up operational job opportunities. This would support resilient communities.
- 5.2.16 The second problem identified is Economic and it is closely linked with the first. The local workforce is relatively small in overall numbers and whilst relatively well-skilled it remains lacking in certain areas. Training, education and skill provision and support is required in advance of construction beginning; if the construction job opportunities



on offer are to be taken. The operational phase will require a similar commitment to training and education into the long-term to ensure that local employment opportunities are maximised, skills retained and communities supported.

5.2.17 The third problem identified is Environmental with the most significant issue being climate change. Local environmental issues include habitat degradation, water and air quality. Environmental effects may be exacerbated during construction; there is the potential for effects upon the Tre'r Gof SSSI, the potential to affect the Anglesey Terns SPA and other qualifying species for example. Project mitigation includes the creation of ecological receptor and compensations sites and these will need to be in place and suitable before site clearance begins. Mitigation for the SPA includes the avoidance of noisy construction activities during bird breeding season.

5.2.18 Climate change may be mitigated through the generation of low carbon energy whilst Horizon proposes to monitor and manage the ecological compensation sites during the operational period. As noted above, however, IACC requires an enforceable commitment to the management of these sites during the lifetime of the project

**Integration: considering how public bodies' wellbeing objectives may impact upon each of the well-being goals, on their other objectives, or on the objectives of other public bodies.**

5.2.19 The third way of working is 'integration' and calls for the assessment to consider how its' well-being objectives (IACC) impact on those of other public bodies. The assessment framework therefore considered the well-being objectives of Natural Resources Wales (NRW), Public Health Wales (PHW) and the Gwynedd and Anglesey Public Service Board (PSB).

5.2.20 The first Anglesey Well-being Objective summarised as 'sustainable communities' aligns with NRW's Objective 6 to promote successful business without damaging natural resources. With regard to the project, during both phases, there will be significant opportunities for jobs although measures need to be in place to ensure that they are realised. If sufficient measures are not in place then the opportunities may not be realised and perhaps the key project benefit for local communities would not be delivered.

5.2.21 The second Anglesey objective is 'families and children' and it aligns with the PSB's objective to mitigate the long-term effects of poverty and that people are supported to achieve healthy lives. It also aligns with PHW's health related objectives and NRW's fifth objective to also help people live healthier. Good quality, well paid employment can indirectly support healthy lives, both for those employed and their wider household, including children. Support to access these jobs is needed and should include education and skills, care provision to enable people to re-enter the workforce and improvements



to physical accessibility to ensure that potential workers can access job opportunities by public transport.

5.2.22 The third Anglesey objective can be summarised as ‘natural and built environment’. It aligns with NRW objectives to manage land and water sustainably, reduce environmental hazards and promote responsible business. The project seeks to mitigate climate change through generation of electricity by low carbon means. Sites are essentially free from flooding and the inevitable effects upon the natural and built environment are mitigated, although some remain potentially significant.

5.2.23 The fourth and final Anglesey objective is ‘housing and the Welsh language’ and it aligns with the PSB objective to promote the language and secure more affordable housing. The project is unlikely to lead to the direct provision of significant numbers of new homes, although it is understood that there is a funding mechanism proposed within the Housing Fund. A significant influx of workers from off-island looking for accommodation will have a negative effect upon the local housing market, and indirectly the Welsh language. The Housing Fund includes measures to tackle empty homes and encourage improvement in the stock of private rented dwellings.

5.2.24 The monitoring proposed by Horizon is focussed upon the location and type of tenure chosen by workers rather than the effects that such workers might be having upon local communities. IACC wants to see comprehensive monitoring which would measure the effects potentially arising upon local communities. Without an understanding of the effect of workers upon local rents, vacancies and house prices for example price rises may lead to increased problems of affordability and displacement amongst local communities.

**Collaboration: acting in collaboration with any other person (or different parts of the body itself) that could help the body meet its well-being objectives.**

5.2.25 The fourth way of working is ‘collaboration’ and the framework suggests that the assessor identify key project stakeholders and mechanisms to promote collaborative working. Key stakeholders identified include IACC, NRW, the North Wales Fire and Rescue Service, North Wales Police, Welsh Government (WG) and the PSB.

5.2.26 The project engaged with stakeholders through statutory and non-statutory processes, the results are considered with the project Consultation report. The Council’s views on the adequacy of the consultation are recorded within its Adequacy of Consultation representation. Collaboration during construction will be achieved through a number of mechanisms, including the requirement to receive various consents from the Council in the discharge of DCO requirements and, with the Council and a wider stakeholder group through the establishment of a Programme Board and sub-boards. Collaboration



during operation is less well defined but is likely to include a similar range of stakeholders.

**Involvement: the importance of involving people with an interest in achieving the well-being goals, and ensuring that those people reflect the diversity of the area which the body serves.**

5.2.27 The final way of working is ‘involvement’, including the needs of people relevant to the project. Reference is made to Participation Cymru’s National Principles for Public Engagement. Stakeholders include, at a national level everyone who uses electricity and who has the potential to be affected by climate change, however the assessment has focussed upon the needs of communities local to the site. Need at the local level has been determined through a review of Council documents such as the development plan, the Wylfa Newydd SPG and its associated topic papers. It is accepted that Horizon did undertake a significant amount of consultation (PAC1-PAC3) and that this was in both Welsh and English. Informal consultation and project updates also took place although the ability of local citizens to influence the project have been limited to a relatively small number of specific, distinct areas.

## 5.3 Conclusion

5.3.1 The project has been assessed against the five ways of working. It has identified trends and issues and considered the way in which the project has demonstrated collaborative working and involvement with stakeholders.

5.3.2 The project has the potential to address some of the key trends and issues facing Anglesey providing it is implemented in a way which takes cognisance of the economic, social and natural environment within which it is located. A key recommendation is that to be effective, mitigation needs to be delivered early in order to prevent significant effects otherwise occurring and by extension, the wellbeing objectives of the Act not being secured. Whilst this is proposed in the context of mitigations such as the ecological compensation sites, the submitted Phasing Strategy is silent with regard to the timing of implementation for the receptor sites for example. Similarly, there is no detail within that Strategy to the phased implementation of the site campus, (in terms of rooms to be provided in each phase and the construction year in which each phase would be delivered), this is presented by Horizon as a key mitigation to prevent significant negative effects upon local communities.



## 6. Framework Assessment Part 3 – The Seven Well-being Goals

### 6.1 Introduction

6.1.1 This section considers the DCO Project against the seven well-being goals set out in the Act. To recap these are:

| Goal                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A prosperous Wales</b>                                     | An innovative, productive and low carbon society which recognises the limits of the global environment and therefore uses resources efficiently and proportionately (including acting on climate change); and which develops a skilled and well-educated population in an economy which generates wealth and provides employment opportunities, allowing people to take advantage of the wealth generated through securing decent work. |
| <b>A resilient Wales</b>                                      | A nation which maintains and enhances a biodiverse natural environment with healthy functioning ecosystems that support social, economic and ecological resilience and the capacity to adapt to change (for example climate change).                                                                                                                                                                                                    |
| <b>A healthier Wales</b>                                      | A society in which people's physical and mental well-being is maximised and in which choices and behaviours that benefit future health are understood.                                                                                                                                                                                                                                                                                  |
| <b>A more equal Wales</b>                                     | A society that enables people to fulfil their potential no matter what their background or circumstances (including their socio economic background and circumstances).                                                                                                                                                                                                                                                                 |
| <b>A Wales of cohesive communities</b>                        | Attractive, viable, safe and well-connected communities.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>A Wales of vibrant culture and thriving Welsh language</b> | A society that promotes and protects culture, heritage and the Welsh language, and which encourages people to participate in the arts, and sports and recreation.                                                                                                                                                                                                                                                                       |
| <b>A globally responsible Wales</b>                           | A nation which, when doing anything to improve the economic, social, environmental and cultural well-being of Wales, takes account of whether doing such a thing may make a positive contribution to global well-being.                                                                                                                                                                                                                 |

### 6.2 Results and Recommendations

6.2.1 Appendix F presents the results of the assessment and includes a commentary and any recommendations for further contributions to the well-being goals. The findings are summarised below.



## A Prosperous Wales

- 6.2.2 The project represents innovative infrastructure and would open up new business sectors on the island. It has cumulative benefits in association with the wider Energy Island Programme and should be encouraged to foster strong links with M-SParc. With a 60 year operational lifespan there is the potential to support supply chain development and economic resilience in the long-term providing the Supply Chain Charter is delivered effectively. There is concern that the project could lead to displacement of employees leaving a skills and employment gap for local businesses and this would conflict with the goal of a prosperous Wales. Effective implementation of the WNESS is therefore crucial. Negative effects upon tourism business will also require early mitigation through the proposed Tourism Fund to ensure that the economic benefits arising from visitor spend within the local economy are maintained and where possible enhanced. Without mitigation negative impacts could lead to reductions in local incomes with visitors avoiding Anglesey as a result of actual or perceived disruption particularly in the North of the island.
- 6.2.3 The project helps Government and industry shift towards a low carbon economy. During construction however, there will be emissions of carbon and measures to limit travel to site through the site campus, park and ride, shuttle buses need to be delivered early in the programme. Further information and in some case enforceable commitments are required to ensure that the project does not detract from the wellbeing goal. Consideration should also be given to additional park and ride sites and the legacy benefits of retaining such sites post construction should be investigated.
- 6.2.4 Effects upon educational institutions remain of concern to the council. Investment in STEM education will support lasting skills development but the council remains concerned over the capacity of the education service to respond to the potential increase in pupil roll numbers. Insufficient resources to provide the level and quality of teaching expected by local communities would not be consistent with the Act.

## A Resilient Wales

- 6.2.5 The project is unlikely to deliver significant new green space. It does however include for the management of sites to compensate for the potential loss of Tre'r Gof SSSI and there may be opportunities to open them to some level of public access. There will be affects upon public footpaths, including the Wales Coastal Path and when designing and implementing alternatives, consideration should be given to 'access for all'.
- 6.2.6 The livelihoods of many in the local communities are linked to the quality of the natural environment. Loss of access to areas of recreation, or effects upon them arising from construction related activity could dissuade visitors. For example, the closure of Fisherman's Car Park could potentially displace visitors. Adequate resourcing and



delivery of the proposed Tourism Found will be critical. Measures to retain and to attract visitors need to be in place before construction commences and monitoring needs to be sufficiently comprehensive to identify changes in the way in which visitors' holiday on Anglesey. Without a vibrant tourism economy some local communities will become less resilient.

6.2.7 The project will give rise to effects upon biodiversity in that it will potentially affect habitats and species. The project promoter presumes a net biodiversity benefit through the successful implementation of the proposed Landscape and Habitat Management Scheme although it recognises that long-term effectiveness is precautionary. As noted earlier within this report, the submitted DCO does not commit Horizon to maintain the trees or shrubs beyond a period of five years whilst the commitment to management could be more explicit to provide IACC with the confidence that it would be consistent with the Act. The project has been designed with consideration of climate change up to 2183.

### **A Healthier Wales**

6.2.8 Whilst the Welsh Government's Well-being of Wales Report 2017-18 notes that air pollution in Wales continues to be a significant health issue, Anglesey's air quality is generally good. Adverse effects will however arise during construction and the project promoter has proposed real-time monitoring and mitigation measures. There is a clear potential for levels of stress to increase in the local populations surrounding the site during construction. The causes may be direct, e.g. noise, or visual effects, or indirect as a result of increased competition for housing for example. The mental health of the construction workforce should also be considered, and measures put in place to support their well-being.

6.2.9 Local access to outdoor spaces is unlikely to be improved substantially over baseline conditions given that the project will lead to the closure of footpaths and re-direction of the Wales Coastal Path. Changes to footpaths may reduce opportunities to engage in healthy activities and would not be consistent with the goal of a healthier Wales. A comprehensive programme of improvements to existing public rights of way within North Anglesey and particularly around Tregele and Cemaes should be delivered to include for re-surfacing, improved signage and means of access. Replacement footpaths should be constructed to meet 'access for all' standards.

6.2.10 Healthy eating choices need to be available to the workforce and there is an opportunity for the site campus to engage with the local food supply chain. This would benefit the health of workers and support the businesses of local food producers meeting more than one well-being goal.



## A More Equal Wales

6.2.11 Anglesey is recognised as a priority location for investment. The island is designated as an Enterprise Zone. Over half of the 44 LSOAs are within the 50% most deprived in Wales with concentrations in Holyhead and Llangeni. Access to services is particularly poor. The project has the potential to reverse long-term disadvantage, both directly through the provision of employment and indirectly, by ensuring that the communities within which employees work become more resilient. However, poorly planned it could potentially exacerbate existing problems, over-loading local services, raising house prices and rents and displacing workers from existing, important occupations. In order to maximise economic advantage across all sectors of the community, the Supply Chain must consider how it can support social enterprises and employee owned businesses such that smaller, locally based businesses are not excluded from the opportunities on offer.

6.2.12 Additional resources to support schools and healthcare may be delivered through project commitments to fund provision. However, in certain cases, for example primary education provision, the council remains concerned that the funding proposed is insufficient and that as such schools, may experience difficulties in ensuring equal opportunities for all. The project is also silent on providing opportunities to improve access to jobs be they the provision of improved public bus services or childcare facilities to enable those currently not able to work to re-enter the employment market.

## Cohesive Communities

6.2.13 The project has the potential to affect community cohesion. Whether the overall result will be beneficial or adverse will depend upon the extent to which the potentially negative effects are mitigated and positives enhanced. Compensation for effects which are not capable of mitigation will also be necessary to ensure that the project is consistent with this well-being goal.

6.2.14 Anglesey's communities have many strengths however those such as the Welsh language and culture can be affected by the arrival of a large number of workers. Similarly, public services including transportation may be unable to cope with additional demand. To ensure that the well-being of communities is maintained and enhanced therefore the council requires a comprehensive package of mitigations to provide communities with the protections they deserve.

6.2.15 It is recognised that the project has the potential to support community cohesion. For example the incoming workforce could help to support the viability of local shops, facilities and services. However, there could also be negative effects if too many workers are located within an area putting undue pressure on services and giving rise to increases in house prices and rents for example. Additionally, the perception of



construction workers in an area may dissuade tourists leading to a negative effect upon businesses operating in the tourism trade. The council recognises that the project promoter is proposing a Worker Management Strategy and that it will monitor the location of accommodation chosen by those seeking housing within the local area. As noted earlier within this assessment, the monitoring must be extended to include for the identification of effects upon the local housing market.

6.2.16 Transport links are unlikely to be improved in the short-term as a result of construction vehicles travelling along the A5025 to site and the construction works associated with the off-line works. Once completed the off-line works may improve movement between communities along the A5025 although benefits are unlikely to occur until after construction of the power station finishes. Horizon should support public transport provision to ensure that existing linkages between local communities are maintained and enhanced where appropriate.

6.2.17 The project does not include for the provision of public open space. The Community Impact Fund could potentially be used to support improvements to existing open space in villages such as Cemaes. Linked to public space improvements consideration could be given to the public realm within the North Anglesey communities with improvement schemes used to maintain and improve their attractiveness to visitors.

### **Vibrant Culture**

6.2.18 The project has the potential to improve resilience within local communities if properly planned. The provision of relatively well-paid, long term jobs should encourage population retention, strengthen the Welsh language and culture. Negative cultural effects include those upon the historic environment. There are potentially significant effects upon a number of archaeological sites, historic areas and buildings which cannot all be mitigated satisfactorily. Accessibility to heritage assets does not form an integral part of the project but could be delivered potentially in connection with Cestyll Gardens subject to the agreement of the current landowner. There are also significant opportunities to publicise the history of the local area through the proposed visitor centre as well as the use of information boards and social media.

### **Global Responsibility**

6.2.19 The production of low carbon energy for a period of 60 years will support Wales' role in providing sustainable energy production from both low-carbon and renewable sources. The proposed practices which are set out in the Carbon and Energy Report to embed sustainable procurement should be implemented. As submitted, there is no reference to this document within the draft Development Consent Order.



### Summary of Requirements recorded

6.2.20 The following additional requirements for mitigation have been recorded within the assessment which is provided as Appendix F. IACC expects Horizon as project promoter to deliver these measures directly, or in partnership with IACC and other relevant stakeholders, to ensure compliance with the objectives of the Act.

**Table 6.1 Well-being Objectives: Requirements**

| No | Requirements                                                                                                                                                                                                                                                                            |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37 | Develop opportunities at M-SParc, Gaerwen to capitalise on the establishment of the innovative business hub.                                                                                                                                                                            |
| 38 | Secure delivery of the Supply Chain Charter (through the Supply Chain Action Plan that will be actioned by a Supply Chain Service and Supply Chain Portal - through a S106 agreement) with effective monitoring of implementation. - This is critical to retaining economic resilience. |
| 39 | Fund a supply chain officer(s) based in IACC to support local firms bidding.                                                                                                                                                                                                            |
| 40 | Support for the 'backfilling' of posts where employees have moved to work for Horizon through the WNESS.                                                                                                                                                                                |
| 41 | Support opportunities to development low carbon business clusters particularly amongst the supply chain.                                                                                                                                                                                |
| 42 | Develop an economic procurement and engagement strategy.                                                                                                                                                                                                                                |
| 43 | Provide additional park and ride facilities, including within neighbouring Gwynedd, to provide sustainable travel choices during the construction phase.                                                                                                                                |
| 44 | Identify and deliver additional opportunities to reduce carbon footprint during the construction and operational phases.                                                                                                                                                                |
| 45 | Minimise the use of material resources by locally sourcing materials where possible and adopting construction techniques that reduce emissions and resource consumption. –                                                                                                              |
| 46 | Identify opportunities to deliver a joined-up approach to the development of the education/skills base across the island to support the operational phase, in combination with the wider Energy Island Programme.                                                                       |
| 47 | Identify opportunities to improve public amenity space in communities closest to site, e.g. within Cemaes and Tregele.                                                                                                                                                                  |
| 48 | The implications for agricultural businesses should be considered and monitored. Horizon should consider the implications for managing the proposed compensation sites and whether this will require long-term investment leading to the employment of site warden(s).                  |
| 49 | Consider the employment of mental health professionals at the site campus.                                                                                                                                                                                                              |



| No | Requirements                                                                                                                                                                                         |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50 | The provision of locally sourced, healthy food options at site campus should be investigated and the results reported to IACC.                                                                       |
| 51 | The supply chain mechanism should consider the role that social enterprises can make and adopt measures to encourage their involvement in the project.                                               |
| 52 | Provide funding to support better public transport provision particularly to the associated development sites and supporting services which would be consistent with development plan policy.        |
| 53 | Identify opportunities for street furniture/public realm improvements in Cemaes and other local centres with funding provided to secure delivery.                                                    |
| 54 | The visitor centre should include displays and interpretation of the rich culture of Anglesey.                                                                                                       |
| 55 | Identify with IACC opportunities to invest in tourism on parts of the island away from the main Wylfa Newydd development area to support displaced visitors with funding provided to secure delivery |
| 56 | Ensure Tourism Fund is secured and implemented.                                                                                                                                                      |
| 57 | Identify and implement opportunities to use materials with low embodied carbon during construction from sustainable sources.                                                                         |

6.2.21 The requirements identified above build upon those developed in the assessment of the project against the well-being objectives (section 4). As such they form recommendations to improve mitigations already forming part of the application along with others seeking to extend and enhance commitments made.

### 6.3 Conclusion

6.3.1 The project has been assessed against the seven well-being goals. It has been found to be broadly supportive of those objectives concerned with the economy and with local community provided that the intrinsic mitigations identified as part of the project, and the additional measures identified as a result of this assessment, are in place before effects are seen to occur. Environmental objectives are less obviously beneficial given that it is inevitable that the local environment which includes and surrounds the site will be affected by a substantial amount of construction activity. Wider environmental benefits through the generation of low-carbon energy will however accrue and the negative local environmental impacts can also be further mitigated by the requirements set out above.



## 7. Geographic and Community Based Assessment of the Proposed Scheme

### 7.1 Introduction

7.1.1 The assessment of the DCO Project using the Assessment Framework highlights a series of themes that recur through the assessment against the Draft Local Well-being Plan, the well-being objectives set by IACC and the PSBs, the five ways of working and the seven well-being goals.

7.1.2 The focus of the assessment presented in the previous chapters has been Anglesey-wide. This section thus seeks to further explore the themes that have emerged through the assessment in Sections 4 – 6 of this report at a community level. This has been undertaken using the proximity principle identified in the NNB SPG (as discussed in section 2.4 of this Assessment), whereby the impacts on the host communities closest to the main New Nuclear Build site (North Anglesey) must be considered to see if the effects identified at the Anglesey-wide level could be more or less intense, or different. This principle of proximity should also be adopted for the provision of any community benefits.

7.1.3 The spatially differentiated themes that have been considered include:

- Socio-economic and access to skills, employment and education - IACC objectives 1 and 3 link to the importance of a prosperous economy and meeting business needs, the assessment identifies that the tourism sector is important to Anglesey. The relative impacts to different groups is considered in the goal of ‘a more equal Wales’.
- Housing, Health and community cohesion – This theme relates to the well-being goals ‘a healthier Wales’ and ‘a Wales of cohesive communities’.
- The Natural environment, protection and enhancement of the island’s rich flora and fauna and of its landscapes and seascapes - The Draft Local Well-being Plan identifies ‘the importance of protecting the natural environment’ as an issue, which also links to the IACC objective 3, related to protecting and enhancing the natural and built environment. The well-being goal ‘a resilient Wales’ includes consideration of access to green spaces and resilience of ecosystems.
- The Welsh language, culture and heritage – Relevant to the goal ‘a Wales of vibrant culture and thriving Welsh language’, the Scheme will have an impact on heritage assets.
- Traffic, transport and access, including sustainable transport – The well-being goal ‘a Wales of cohesive communities’ includes consideration of how well-connected communities are, including access to amenities. Additionally, the



Draft Local Well-being Plan identifies improving transport links to enable access to services and facilities as a key message.

- 7.1.4 In undertaking this assessment regard has been taken to the baseline information presented in Section 3 and Appendix C of this report, including the unique characteristics of the island, together with the topic papers produced for the Wylfa Newydd SPG. Regard has also been taken to the mitigation proposed by Horizon and requirements set out in the Wylfa Newydd SPG and the actions set out in the Legacy Framework produced by the Council (as discussed in Section 2.4 of this Assessment).

## **7.2 Assessment Themes at the North Anglesey Level**

- 7.2.1 Table 7.1 overleaf sets out the geographically distinct issues at the North Anglesey level.



Table 7.1 Geographic, Community Based, Assessment – North Anglesey

| Spatial Theme                                                        | North Anglesey Baseline/Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Socio-economic and access to skills, employment and education</b> | <ul style="list-style-type: none"> <li>The population of North Anglesey is growing at twice the rate of the rest of Anglesey, it is relatively aged with a third of households consisting of pensioners.</li> <li>Employment rates are lower than the Anglesey average, self-employment is more common and there is a greater prevalence of skilled workers.</li> <li>Household incomes are slightly lower than Anglesey average.</li> <li>Educational attainment is lower than the Anglesey average with a lower proportion in Level 4 qualifications or above.</li> <li>Broadband speeds are on average lower in the north and west of Anglesey.</li> </ul> | <ul style="list-style-type: none"> <li>The project has the potential to drive economic growth within the North Anglesey communities taking advantage of the higher than average proportion of skilled workers. The availability of relatively well-paid jobs at the construction and operational phases could help to raise average household incomes accepting however that a relatively high proportion of homes are pensioner households.</li> <li>Whilst the proportion of skilled workers is relatively high, there are fewer with higher level qualifications. To be able to take advantage of the employment opportunities educational attainment needs support. The successful delivery of the Skills Strategy and support for local supply chains will be essential to maximise opportunities but must extend to cover the operational as well as the construction phase.</li> </ul> | <ul style="list-style-type: none"> <li>NA1. Specific skills training within the communities of North Anglesey should be made available such they are enabled to become more prosperous.</li> <li>NA2. With a high proportion of self-employed, specific supply chain support is required to enable them to take advantage of the potential economic opportunities arising from the project. Horizon should define a target for the engagement of the self-employed.</li> <li>NA3. Local communities and the self-employed (including the tourism sector) would benefit from improved broadband speeds.</li> </ul> |



| Spatial Theme                                 | North Anglesey Baseline/Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Housing, Health and community cohesion</b> | <ul style="list-style-type: none"> <li>Houses tend to be larger than Anglesey with a higher proportion of detached and semi-detached.</li> <li>Owner occupation is more prevalent and there is a higher level of under-occupancy with the exception of Amlwch Port, and to a lesser extent Llannerch-y-Medd, the latter having the most youthful population in North Anglesey.</li> <li>With the exception of Amlwch Rural, the number of empty homes was consistent across the wards in 2016.</li> <li>Amlwch possesses the fullest range of services, including the only secondary school in North Anglesey and the main GP surgery.</li> <li>Primary schools in Amlwch and Cemaes are predicted to exceed current capacities.</li> </ul> | <ul style="list-style-type: none"> <li>Implications for primary and secondary education and for physical access to job opportunities are set out below.</li> <li>The large construction workforce will be overly represented within the North Anglesey housing market. Whilst houses are large, they are relatively under-occupied suggesting opportunities to let rooms and supplement household incomes. The Housing Fund could provide incentives to home owners to let rooms to workers whilst the Workforce Management Strategy should ensure that workers living in the community are well-behaved. Specific detail on the Housing Fund is however required specifically with regard to measures to be put in place in advance of construction. Substantially more information on the indicators to be monitored such that the effects upon the local housing market can be identified.</li> </ul> | <ul style="list-style-type: none"> <li>NA4. The Housing Fund should follow the proximity principle to ensure that effects within the North Anglesey housing market are mitigated with the aim of ensuring that homelessness levels do not rise and that the number of empty homes fall.</li> <li>NA5. Measures could include financial incentives to let rooms, funding to address empty homes and the provision of new, affordable accommodation to accommodate potentially displaced residents.</li> <li>NA6. Monitoring during construction needs to include for consideration of local NA services and facilities identifying the potential for strain in partnership with the local health and education boards.</li> <li>NA7. Financial support for primary education provision in</li> </ul> |



| Spatial Theme | North Anglesey Baseline/Key Issues | Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Requirements                                                                                                                        |
|---------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|               |                                    | <ul style="list-style-type: none"> <li>Without appropriate mitigation the construction workforce could indirectly drive up private rents and house prices potentially displacing vulnerable tenants. Mitigation measures delivered through the Housing Fund, and an appropriately phased delivery of the site campus will be crucial and specific commitments for delivery are required.</li> <li>The arriving construction workforce could provide additional custom for local services and facilities improving viability. Too many workers however could place services under pressure. The presence of the operational workforce many, permanently resident in North Anglesey could improve service resilience into the medium to long term.</li> <li>Project proposals to support additional education provision need to be in place before the arrival of construction worker families and specific</li> </ul> | NA is needed in advance of the construction workforce to ensure that schools have the resources to accommodate additional families. |



| Spatial Theme                                                                                                                | North Anglesey Baseline/Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The Natural environment, protection and enhancement of the island's rich flora and fauna and of its landscapes and seascapes | <ul style="list-style-type: none"> <li>North Anglesey which includes the Special Area of Conservation (SAC) of Cemlyn Bay and the Special Protection Areas (SPAs) of Ynys Feurig, Cemlyn Bay and The Skerries and Liverpool Bay.</li> <li>There are 19 SSSIs including Tre'r Gof a rich-fen habitat located on the Wylfa Newydd site.</li> <li>Almost the entire coastline of North Anglesey is designated as an Area of Outstanding Natural Beauty (AONB).</li> <li>The North Anglesey Heritage Coast runs for 18 miles along the northern shore of the Isle of Anglesey from Church Bay in the west to Dulas Bay in the east.</li> <li>One area of North Anglesey has been designated as a Landscape of Outstanding Historic Interest; Amlwch and Parys Mountain.</li> <li>Church Bay has been awarded Blue Flag status. Porth Eilian near Llaneilian has won the</li> </ul> | <p>commitments and timescales are required from Horizon.</p> <ul style="list-style-type: none"> <li>The project has a potential for significant effects upon Cemlyn Bay and Ynys Feurig. Mitigation is proposed. Effects upon the Tre'r Gof SSSI require both mitigation and compensation and the habitat proposals put forward by the project promoter should be delivered in accordance with an agreed timetable. There is no commitment from Horizon within the DCO to maintain the compensation sites for the lifetime of the project.</li> <li>There will be effects upon the AONB and Heritage Coast. Opportunities to improve interpretation, the quality of footpaths and facilities etc should be taken in mitigation.</li> <li>North Anglesey's beaches contribute to its attraction to visitors. Opportunities to improve access to beaches could be identified. The project must ensure that there will be no</li> </ul> | <ul style="list-style-type: none"> <li>NA8. Greater detail is required in the submitted Phasing Strategy to understand the timetable for the provision of receptor, enhancement and compensation sites in NA and beyond. The sites need to be maintained and managed for the lifetime of the project.</li> <li>NA9. A detailed programme for the provision of high quality interpretation along the Wales Coastal Path and within the AONB is required. Opportunities to undertake environmental enhancements within the AONB should be identified such that the effects arising from the development within the immediate area are compensated for.</li> </ul> |



| Spatial Theme                                   | North Anglesey Baseline/Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                 | <p>Seaside Award for its good water quality and facilities. Bathing water at Cemaes is recorded as being of poor quality.</p> <ul style="list-style-type: none"> <li>Of the seven classified rivers four are rated as 'moderate' and three 'good'.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                | <p>additional detrimental effect to bathing water in Cemaes Bay.</p> <ul style="list-style-type: none"> <li>Mitigation in the form of good working practices and the provision of attenuation ponds is proposed by the project promoter and should safeguard surface water quality.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>The Welsh language, culture and heritage</b> | <ul style="list-style-type: none"> <li>The proportion of Welsh speakers is high compared to a national average although not as high as some of the wards in central Anglesey. Prevalence of Welsh speakers is slightly lower in Amlwch Rural and Moelfre.</li> <li>All the wards of North Anglesey include features of historic interest. Many are designated as listed buildings or scheduled ancient monuments.</li> <li>Molfre has the highest number of SAMs (14) with Llanfaethlu by far the highest number of listed buildings (65).</li> <li>Cestyll Gardens is a registered Park and Garden and there are 4 conservation areas in Amlwch,</li> </ul> | <ul style="list-style-type: none"> <li>The decline in the use of the Welsh language is related to a decline in population as younger people leave the island. The picture is slightly different in North Anglesey where the population is increasing however this may be a result of an increasing number of newer, older, non-welsh speaking residents choosing to live in the communities.</li> <li>The jobs created by the construction and operation phases may encourage younger people to stay in North Anglesey providing they are able to access economic opportunities available and specific commitments within Horizon's strategies to the North</li> </ul> | <ul style="list-style-type: none"> <li>NA10. Language Immersion lessons to be provided in local NA schools for incoming children such that all have the opportunity to appreciate the local language and culture.</li> <li>NA11. Support to be provided through Skills strategy to enable local NA residents to take advantage of jobs potentially available with consideration given to specific targets for the North Anglesey community area.</li> <li>NA12. With reference to mitigations set out within the project documentation to be employed to protect heritage assets. Measures should be developed to create high quality contemporary approaches to</li> </ul> |



| Spatial Theme | North Anglesey Baseline/Key Issues   | Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Requirements                                                        |
|---------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|               | Amlwch Port, Cemaes and Llanfechell. | <p>Anglesey communities are required.</p> <ul style="list-style-type: none"> <li>Direct effects upon historic assets are likely to be restricted to areas within and close to the site. Previously unrecorded archaeological resources on site will be lost but in mitigation their removal will be undertaken under appropriate guidance and supervision. Dissemination of findings to a non-technical audience will be important and specific proposals from Horizon are required</li> <li>Cestyll Gardens will be directly affected by the proposal with the loss of the kitchen garden and effects upon setting. Mitigation is proposed although it is unlikely to be sufficient to fully address the impacts predicted. Opportunities to improve public access to the Gardens post construction should be identified and implemented.</li> </ul> | dissemination of information to local communities and wider public. |



| Spatial Theme                                                         | North Anglesey Baseline/Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Traffic, transport and access, including sustainable transport</b> | <ul style="list-style-type: none"> <li>The A5025 is the main highway connecting most settlements of North Anglesey. East of the Wylfa Newydd site the Council has identified issues of highway safety.</li> <li>Existing public transport is limited to a network of local bus routes. Route 61 runs between Amlwch and Holyhead via Cemaes and the site of Wylfa Newydd on a two hour frequency with no evening or Sunday service.</li> <li>The 62 runs to Bangor at 30 min intervals.</li> <li>The 2011 census shows that only 3% of those employed travel to work by bus.</li> </ul> | <ul style="list-style-type: none"> <li>The project proposes to undertake improvements to the A5025 on and off-line. These will not be opened until after construction has started. The DCO Phasing Strategy indicates that they will be in place before first nuclear concrete pour. The Council needs to be satisfied that the number of vehicles using the A5025 before that date can do so satisfactorily and also what measures may be called upon should timings slip. East of the site, there are stretches of the A5025 which are known accident spots. Mitigation in the form of highway improvements should be considered due to the increase in traffic that is likely to occur as a result of the project.</li> <li>The main centre of North Anglesey, Amlwch, is served by public transport which passes the site. However frequencies are low and limited in duration. Funding should be made available to provide a general uplift to public transport</li> </ul> | <ul style="list-style-type: none"> <li>NA13. Sensitivity testing of assumptions made within project documentation regarding the impact of road transits within local NA communities such that baseline traffic levels do not exceed thresholds to be agreed with IACC.</li> <li>NA14. Implementation of a Construction Transport Management Plan to prevent 'rat-running' through villages. The submitted CoCPs provide very little specific information on the management of traffic</li> <li>NA15. Consideration of how workers in private vehicles can be discouraged from using the local road (non A5025) network.</li> <li>NA16. Financial provision to improve frequency and duration of bus services and additional provision for cyclists in NA such that there is an actual uplift in public transport provision.</li> </ul> |



| Spatial Theme | North Anglesey Baseline/Key Issues | Assessment | Requirements |
|---------------|------------------------------------|------------|--------------|
|---------------|------------------------------------|------------|--------------|

- provision through North Anglesey. Horizon's commitment to shuttle buses requires significantly more detail to enable IACC to understand the number, frequency and duration of the services proposed.
- Improvements proposed to the A5025 provide an opportunity to improve the environment for cyclists on both the on and off-line sections.



## 7.3 Conclusion

- 7.3.1 In the preceding sections of this report consideration has focussed upon the potential effects upon community well-being at an island level. Whilst certain effects and mitigations have included reference to specific geographical areas or resources the approach taken has been to understand issues predominantly at the local authority level. Undertaking the assessment has however highlighted that effects will be most directly felt by the communities closest to the site and at one level, these communities can be aggregated as North Anglesey.
- 7.3.2 This section has therefore sought to profile some of the issues which define the North Anglesey communities, identifying how they may differ from the rest of the island, and from the Welsh average. In this way it has been possible to identify specific effects relative to the local communities which surround the site.
- 7.3.3 North Anglesey is characterised by a high quality natural and built environment. It has resilient communities with a strong, well-defined culture. Like all communities however it can be vulnerable to change particularly of the scale entailed by the Wylfa Newydd project. Change can be positive or negative and the project does present opportunities to raise local incomes (directly and indirectly), improve health and community resilience. To do this however it will be very important to ensure that mechanisms are in place to support the local community and these must include improved skill provision, support for the local supply chain and improvements in infrastructure as well as measures to mitigate effects upon health. At the operational phase, the presence of a large number of long-term, relatively well-paid jobs could strengthen community resilience for more than a single generation.
- 7.3.4 Whilst it is often possible to mitigate potentially negative effects there are some which, due to the nature of the project, cannot be addressed fully. Effects upon the natural and historic environment surrounding the site, on the footpaths and routes taken by local communities and the visual impact for example are likely to remain significant. It is therefore essential that suitable compensation measures are delivered and as an example, the assessment has recommended that attention be given to the widest possible dissemination of information gained during the removal of historic buildings and archaeology.
- 7.3.5 The assessment has identified sixteen further requirements to improve the project and as a consequence to deliver a project which can be considered to be consistent with Act at the scale of North Anglesey. Whilst these requirements are North Anglesey specific they are not exclusive and versions of them have sometimes been identified earlier in the assessment. Furthermore, some of the measures identified at



the North Anglesey levels could be commonly applied across many of Anglesey's communities.



## 8. Conclusions

### 8.1 Overview

- 8.1.1 IACC has commissioned Wood to undertake an assessment of the Wylfa Newydd DCO Project in line with the process established in the Future Generations Framework – a draft Framework developed by the Office of the Future Generations Commissioner for Wales. The purpose of this assessment framework is to aid public bodies when thinking about how their project may influence the well-being of future generations.
- 8.1.2 Accepting that IACC is not the project promoter the framework has instead been used to assess the performance of Wylfa Newydd with a particular focus being given to its potential effects upon local communities and in wider terms to assess the overall performance of the proposal against the wellbeing objectives of the Act. Whilst most of the framework assessment is focussed upon communities at an Anglesey level, Section 7 of this report has sought to consider geographically specific effects upon the communities of North Anglesey.
- 8.1.3 The Assessment Framework is in three parts and it has therefore considered the extent to which the DCO Project aligns with local well-being goals; the five ways of working and project performance against the seven well-being goals. The results of the assessment are summarised below.

### 8.2 Results

- 8.2.1 Assessing the project against the three parts of the assessment framework has resulted in the identification of over 50 requirements. These requirements include recommendations to mitigate and compensate for effects as well as matters for additional enhancement. The requirements cover the full range of topics identified as key issues within the various well-being plans but certain common themes can be identified which are the need to deliver the intrinsic mitigations identified by the Horizon as project promoter early in the project lifecycle, to prevent otherwise significant effects from occurring; to undertake a programme of robust monitoring on social, economic and environmental factors that could be affected by the project and to have an agreed programme of additional mitigation/remedial measures available should monitoring identify effects that have not been expected or which are more significant than initially assessed.



## 8.3 Recomm

### endations

- 8.3.1 The mitigation strategies proposed by Horizon must be delivered successfully to ensure that economic opportunities for local communities are maximised. Commitments to the Jobs and Skills Strategy, which includes for educational support need to be delivered in advance of major construction activities both with a view to short-term employment opportunities but also to the longer term operational roles which will be available. Support for young people to enter higher level education is needed soon if they are to have the relevant educational qualifications required in years to come.
- 8.3.2 Anglesey has local businesses which can support the construction and operation of the proposed power station. However, some of these businesses may require support to access opportunities and the type of support required could take many forms. Whilst there are many obvious local supply chain opportunities consideration should also be given to the less obvious such as the local food businesses and suppliers who could contribute to the food needs of the 4,000 construction workers potentially resident on site.
- 8.3.3 The island's population is projected to decline unless the aims and objectives of the Energy Island Programme are realised. Wylfa Newydd is critical to the programme's delivery. Through the direct and indirect provision of jobs and inward investment the project could help to sustain communities and improve their resilience. To achieve this during the construction phase however will require the potentially negative aspects of the project upon local communities to be effectively mitigated and compensated. Effects identified within the assessment include those upon the local housing market, health, access to the natural environment and the cumulative effects upon local amenity.

## 8.4 Next Steps

- 8.4.1 This well-being assessment will be used by IACC to inform its preparation of the Local Impact Report. In addition, the findings and recommendations contained within the document will be used to inform discussions on mitigation, the drafting of the DCO requirements and S106 and agreements of common ground.
- 8.4.2 IACC requires firm commitments from Horizon to ensure that the strategies and mitigations intrinsic to the project are implemented on time and for an agreed



period. As currently submitted the application is considered to lack a sufficient level of enforceability. In addition, IACC expects Horizon to implement the additional requirements identified in the assessment because it has identified areas of inconsistency between the project and the Act. Without their implementation IACC's has little confidence in the project's ability to deliver against the goals and objectives of the Act in its entirety. The local impacts that would consequently arise will be reflected upon and reported within IACC's LIR. Commitments made by Horizon to implement the requirements would however lead to an improved, beneficial performance against the Act.

8.4.3 IACC considers both this WBFGA assessment and that which it has undertaken of the North Wales Grid Connection project are critical to enable it as a public body and host authority to ensure it is complying with its legal duties under the Act in its response to both applications.

8.4.4 In satisfying its duties under the Act and as noted above, the conclusions of this assessment will be used by IACC to inform its response to Horizon's application and its submissions throughout the examination of the application. The assessment, and its conclusions, are also important and relevant matters for the Examining Authority in examining Horizon's application, and the Secretary of State in making his decision under s105 of the Planning Act 2008.



## Appendix A Summary of the Project Description



## **1. Summary of the Project Description**

### **1.1 Introduction**

- 1.1.1 This document summarises the key elements which comprise the proposed Wylfa Newydd Power Station. Information is taken from the Development Consent Order application documents submitted to the Secretary of State in June 2018 and principally the Environmental Statement Non-Technical Summary.

### **1.2 The Planning Act 2008**

- 1.2.1 The Planning Act 2008 initiated a new process for the consideration of infrastructure projects which are defined by Government as being nationally significant. The intention of the Act was to improve the process involved in deciding major applications. Changes introduced meant that decisions on applications are removed from local planning authorities (initially to the Infrastructure Planning Commission, and later the Secretary of State) and that there is a statutory process of pre-application consultation. The means of consenting via the grant of a Development Consent Order (DCO), also enables certain additional consents to be obtained and for a single application to include both for the infrastructure itself and for other development associated with it. This ability to consider 'associated' development did not include Wales until the enactment of the Wales Act 2017.
- 1.2.2 Nationally significant infrastructure may also require consents and permits in addition to the DCO; examples in the context of Wylfa Newydd include a Marine Licence and Nuclear Site Licence.

#### **The Role of the Local Planning Authority**

- 1.2.3 As noted above, the statutory responsibility of the host local planning authority has changed as a result of the Act. Rather than being the decision-maker, the authority instead has the role of statutory consultee with responsibility for agreeing and confirming the approach to consultation and for the preparation of a Local Impact Report (LIR). The authority may also be a party to any section 106 agreement, may be involved in discussions on common ground and ultimately, will be responsible for the approving the discharge of DCO requirements (similar to planning conditions).

### **1.3 The Sites and Construction Timetable**

#### **Wylfa Newydd**

- 1.3.1 The Wylfa Newydd power station is located on the north-west coast of Anglesey adjacent to the existing Wylfa A nuclear power station. That station is in the early process of de-fuelling and decommissioning.



1.3.2 The wider site area, known as the Wylfa Newydd Development Area (WNDA) covers 409 ha and extends into the Irish Sea at Porth-y-pistyll. Access is via the A5025 and environmental designations within or close by the site include SSSI, RIGS, SPA and SACs and the Anglesey AONB. The site is presently used for grazing and is crossed by public rights of way including the Wales Coastal Path and Copper Trail (cycle-way). The closest settlement is Tregele, followed by Cemaes with the larger town of Amlwch some 9km to the east.

1.3.3 Forming an integral part of the development, but located off-site, is the proposed Mobile Emergency Equipment Garage (MEEG), Environmental Survey Laboratory (ESL) and Alternative Emergency Control Centre (AECC). The three facilities are co-located on a single site adjacent to the A5025 at Llanfaethlu.

#### **Associated sites**

1.3.4 In addition to the power station site there are other sites which would accommodate development associated with the construction of the power station. These are:

- A5025 on and off-line highway improvements – located between the proposed site entrance and Valley the works would comprise four new sections of road at Valley, Llanfachraeth, Llanfaethlu and Cefn Coch, as well as construction of the Power Station Access Road roundabout junction.
- Park and Ride - This would be located at Dalar Hir, immediately north-east of Junction 4 on the A55, approximately 18.5km to the south of the Wylfa Newydd Development Area.
- Logistics centre - The Logistics Centre would be located 2km south of Holyhead town centre, around 19km south-west of the Wylfa Newydd Development Area, at a location known as Parc Cybi.
- Site campus – this would occupy a 15 ha site within the eastern section of the Wylfa Newydd Development Area and would be on land which is predominantly in agricultural use.
- Ecological Compensation sites - Three sites known as Cae Canol-dydd, Cors Gwawr and Tŷ Du’ are proposed. They are located approximately 1.6km northeast of Llangefni, 3km northeast of Llangefni and on the Llanbadrig headland to the east of Cemaes, respectively.

#### **Construction Timescale**

1.3.5 The DCO documentation states that construction would begin soon after consent is granted and that the main construction phase would take approximately seven years. This would see the first of two reactors operational with the second on-line approximately two years later. Further detail, including the timescales for the



construction of the associated developments, is included within the submitted Phasing Strategy.

## **1.4 Summary Description of development**

### **The Power Station**

- 1.4.1 The station would consist of buildings, plant and structures which would include two UK Advanced Boiling Water Reactors (UK ABWRs). There would be common plant, supporting facilities, buildings, structures and features including offices and security features and the means of connecting the power station to the National Grid. Other development taking place on the main site would include landscaping and planting, closures and diversions of public footpaths, a new access road and internal roads. Within the wider WNDA development there would be the provision of ecological receptor sites, a visitor centre and for the construction period a 4,000 bed worker campus.
- 1.4.2 Development would also take place off-shore. This would involve the creation of a Marine Off-loading Facility (MOLF) to handle the importation of bulky materials which would be a permanent feature together with the cooling water system outfall, wastewater effluent outfall, the fish recovery and return system and deterrent system and dredging.
- 1.4.3 Once fully operational, the power station is designed to generate approximately 3,100 megawatts a year of electricity for a period of up to 60 years. It would employ 850 people permanently and 4,000 to 8,000 during construction.

### **Off Site Power Station Facilities**

- 1.4.4 The facilities would include:
- The AECC which would provide an alternative facility for command and communication should the primary facilities at the power station become unavailable;
  - The ESL which is a proposed laboratory where radiological monitoring and analysis would be carried out; and
  - The MEEG would accommodate and maintain the vehicles necessary to deal with an emergency at the power station.

### **Associated Development**

- 1.4.5 Development associated with the power station and forming part of the application comprises:



- **A5025 Off-line Highway Improvements.** The works proposed are intended to improve safety and access to the highway network by creating what are effectively by-passes of existing highway sections. In so doing they would remove local and construction-related traffic from some of the more sensitive sections of the local road network. Works would consist of site clearance, land profiling, highway works, construction of a viaduct, bridges, drainage and attenuation ponds. The works would be constructed by the end of year 2 and would be permanent. On-line works, essentially works within the existing highway, are also proposed and an application has been made under the Town and Country Planning Act for their approval.
- **The Park and Ride** would be a temporary facility providing secure parking for up to 1,900 cars with the workers transferred to and from the construction sites by shuttle buses. The facility would operate during the construction period although it would not be operational until the end of year 2. It would consist of hard standings with a small number of temporary shelters. Some existing hedgerows would be retained. The site would be restored to agricultural use at the end of the construction period.
- **The Logistics Centre** would be used to organise and manage HGV deliveries to site. It would also operate in the construction period although it would not be available until late in year 2. Following completion of construction of the Power Station, it is proposed that the site could become available for an alternative use or development.
- **The Site Campus** would provide accommodation for up to 4,000 construction workers. The Site Campus would be temporary, and it would be fully available in year five (the Phasing Strategy does not provide a further breakdown). It would be constructed using modular buildings, prefabricated off-site. Following decommissioning the site would be landscaped in accordance with an agreed strategy.
- **Ecological Compensation Sites.** The three sites would be managed for ecological benefit. It is assumed that management would be permanent.

## 1.5 Strategies and Commitments

1.5.1 In order to mitigate the effect of the development upon local communities and the environment the application is accompanied by a number of strategies and codes of practice. In addition to the Environmental Statement which assesses the potential for the development to have significant effects upon the environment, these documents include:

- Codes of Construction Practice – including sub-codes for each site;
- The Code of Operational Practice;
- The Phasing Strategy;



- The Jobs and Skills Strategy;
- The Workforce Accommodation Strategy;
- The Workforce Management Strategy;
- The Landscape and Habitat Management Strategy.



## Appendix B Letter to Rt Hon Greg Clarke from the Future Generations Commissioner for Wales





Comisiynydd  
Cenedlaethau'r  
Dyfodol  
Cymru

Future  
Generations  
Commissioner  
for Wales

By email.

03/04/18.

Rt Hon Greg Clarke UK Secretary of State for Business, Energy and Industrial Strategy

cc. Rt Hon Chris Grayling UK Secretary of State for Transport,  
Rt Hon Alun Cairns UK Secretary of State for Wales,  
Rt Hon Carwyn Jones First Minister for Wales,  
Ken Skates Cabinet Secretary for Economy and Transport for Wales.

**RE: Nationally Significant Infrastructure projects and the Well-being of Future Generations (Wales) Act 2015.**

Dear Rt Hon Greg Clark,

I note that you recently consulted over the proposed process and criteria to designate potentially suitable sites as part of a new National Policy Statement for nuclear power above 1GW single reactor capacity for deployment between 2026 and the end of 2035.

The Well-being of Future Generations (Wales) Act 2015 requires the 44 public bodies it covers to carry out sustainable development which it defines as improving the social, economic, cultural and environmental well-being of Wales. The Act requires them to think about the long-term, to work collaboratively towards achieving our well-being goals for Wales, preventing problems from getting worse or occurring in the first place and, importantly, involving people in the decisions that affect them (as required by the Sustainable Development principle outlined in the Act).

Therefore, UK Government departments and other bodies developing policy or infrastructure involving these 44 public bodies in Wales will need to take account of the Act.

My role is to champion sustainable development and this new way of working and to be a guardian of the ability of future generations to meet their own needs.

Whilst UK Government departments and other bodies (for example in this specific case the National Grid) are not directly covered by the Act, I am sure you will see it as common sense and beneficial to all our communities in the long-term. Many other organisations not covered by the Act, include a number of non-devolved Government bodies operating in Wales, private and third sector organisations, clearly recognise the benefits of using Act as a framework for better decision-making and planning for infrastructure and policy development.

You will also find the Act of particular relevance to City Region Deals and to the development of Transport infrastructure, hence I have cc'd the Rt Hon Chris Grayling. I hope you and other cabinet colleagues will find this useful in taking a supportive approach to making and implementing UK decisions in Wales in a manner that is





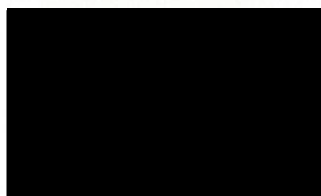
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**Future  
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Commissioner  
for Wales

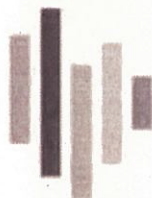
sympathetic to the duties of those covered by the Act and who both I and the Auditor General for Wales have a duty to hold to account.

You can find out more about the Act [here](#) and I enclose a copy of a [framework](#) for applying the Sustainable Development principle which we are currently developing with partners in Wales and which will assist you and your colleagues in understanding how the Act must be considered.

Yours sincerely,



Sophie Howe



Comisiynydd  
**Cenedlaethau'r  
Dyfodol**  
Cymru

**Future  
Generations**  
Commissioner  
for Wales



## **Appendix C Summary of the Baseline Against the Seven Well-being Goals**



| Well-being Goal                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Mitigation proposed by Horizon                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <p><b>Prosperous:</b></p> <p>An innovative, productive and low-carbon society which recognises the limits of the global environment and therefore uses resources efficiently and proportionately (including acting on climate change); and which develops a skilled and well educated population in an economy which generates wealth and provides employment opportunities, allowing people to take advantage of the wealth generated through securing decent work.</p> | <ul style="list-style-type: none"> <li>The working age population group (16 – 24) and young people aged 16–24 in Anglesey are lower proportions of the total population compared to North Wales and Wales (57.6% and 8.8% in Anglesey, 59.7% and 10.3% in North Wales and 61.7% and 11.6% in Wales respectively).</li> <li>In 2016, the economic activity rate for people aged 16–64 was lower in Anglesey (75%) than in North Wales (76.3%), though higher than the rate across Wales (74.8%).</li> <li>In 2016, 70.7% of Anglesey's population aged 16-64 were employed whilst 5.7% were unemployed. Employment rates are lower whilst unemployment is higher than North Wales (73.2%/ 4.1%), Wales (71.2%/4.8%) and the UK (73.8%/5.0%).</li> <li>In 2016, resident and workplace earnings in Anglesey stood at £469.00</li> </ul> | <ul style="list-style-type: none"> <li>The upskilling and training of Anglesey's working age population to ensure that the employment demands of the Wylfa Newydd project, and other businesses linked to the project, can be met by the Island's population;</li> <li>Maximising education opportunities to reduce those not in post 16 education, employment or training across the Island;</li> <li>The maximisation of employment and supply chains on the Island to ensure that the Wylfa Newydd project makes a significant and lasting positive impact on the economy of Anglesey as a whole;</li> <li>Supporting small sized enterprises within the local construction, accommodation, utilities and tourism sectors to capture and maximise opportunities associated with the project to ensure local benefits are realised;</li> </ul> | <p><u>Construction</u></p> <ul style="list-style-type: none"> <li>Jobs and Skills Strategy</li> <li>Wylfa Newydd Employment and Skills Service</li> <li>Supply Chain Charter</li> <li>Workforce Management Strategy (WMS)</li> <li>Tourism Fund</li> </ul> <p><u>Operation</u></p> <ul style="list-style-type: none"> <li>The Jobs and Skills Strategy, Supply Chain Charter and Tourism Fund will remain in place during operation.</li> </ul> |



Well-being Goal

Baseline

Key Issues

Mitigation proposed by Horizon

- Maximising the benefits from the development of infrastructure to facilitate Wylfa Newydd and related development including broadband infrastructure, waste water/water infrastructure and supply, and electricity transmission ensuring that these resources are used efficiently across the Island.

- (resident) and £500.20 (workplace) in 2016. This is similar to the rest of Wales (£498.30 and £492.40 respectively) but is an underperformance compared to the UK (£538.70)
- Annual pay for 2016 in Anglesey (£23,488 for residents and £24,990 for workplaces) was lower than in Wales (£25,667 for residents and £25,400 for workplaces) and was significantly lower than across the UK (£28,213).
- Out of the 29,900 working residents of Anglesey, 67.2% (20,100) work on the Island, lower than neighbouring Gwynedd's 86.1% of residents working within their county.
- The resident workforce in Anglesey has higher a proportions of people with higher level qualifications compared to North Wales and Wales.



## Well-being Goal

## Baseline

## Key Issues

## Mitigation proposed by Horizon

- Businesses in Anglesey tend to be smaller than in North Wales and Wales. There are a low number of large employers on the Island, with 5 businesses with 250 or more employees in 2016, equivalent to 0.2% of businesses on the Island.
- When compared to North Wales and Wales, the size of turnover generated by Anglesey businesses is generally lower, and there are a lower proportion of businesses generating £250,000 or more in total turnover.
- In 2015 GVA per head in Anglesey (£13,411) was lower than in North Wales (£18,462), and Wales as a whole (£18,002).
- Tourism related businesses such as accommodation and food service businesses account for a higher proportion of the business base in Anglesey (10.7%)



Well-being Goal

Baseline

Key Issues

Mitigation proposed by Horizon

than in North Wales (9.5%) or Wales (8.5%), which reflects the importance of tourism to the local economy.

- The Anglesey economy is predominantly service based, whilst underperforming in manufacturing, business and financial service activities. However, the public sector accounts for a relatively small proportion of all employees in Anglesey, 18.8% or 3,500 employees, when compared to North Wales (23.1%) or Wales (24.8).
- Tourism contributes around 4,032 jobs and £284 million in revenue to Anglesey's economy.
- 57% of pupils achieve five A\*-C grades in their GCSEs which is similar to Wales as a whole (58%).
- At the end of the 2015/16 academic year, the number of year 11 leavers known to be not in education, employment or training (NEET) was 2.3%,



| Well-being Goal                                                                                                                                                                                                                                                      | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Mitigation proposed by Horizon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|                                                                                                                                                                                                                                                                      | <p>an increase from 2015's 2.2%. This is greater than across Wales (2.0%) and neighbouring Gwynedd (1.1%).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p><b>Resilient:</b></p> <p>A nation which maintains and enhances a biodiverse natural environment with healthy functioning ecosystems that support social, economic and ecological resilience and the capacity to adapt to change (for example climate change).</p> | <ul style="list-style-type: none"> <li>European sites across the Island include 8 Special Areas of Conservation (SACs), 3 Special Protection Areas (SPAs) and 1 Ramsar site. The North Anglesey area includes Cemlyn Bay SAC and Anglesey Terns and Liverpool Bay SPAs.</li> <li>Anglesey contains 4 National Nature Reserves and 64 Sites of Special Scientific Interest (SSSIs). 19 of the SSSIs are within North Anglesey.</li> <li>Tre'r Gof SSSI, a rich-fen wetland habitat vulnerable to changes to water quality or quantity, is located within the Wylfa Newydd main site boundary and Cae Gwyn SSSI is located immediately south of the main site.</li> </ul> | <ul style="list-style-type: none"> <li>The need to avoid, mitigate or compensate the impacts of air pollution, noise, vibration and light pollution on habitats and species;</li> <li>The protection and enhancement of biodiversity, soils and geodiversity including designated sites and protected species during construction, operation and decommissioning;</li> <li>The protection of the marine and coastal environment, including water quality and shoreline habitats and the species they support, and water resources including rivers, streams and other waterbodies;</li> <li>The protection and enhancement of green and blue infrastructure as part of</li> </ul> | <p><u>Construction:</u></p> <ul style="list-style-type: none"> <li>Reduce adverse visual effects and adverse effects on the tranquillity of the AONB</li> <li>Landscape and Habitat Management Strategy</li> <li>Boundary fencing</li> <li>Code of Construction Practice (for each site)</li> <li>Tre'r Gof SSSI compensation strategy</li> <li>Landscape Phasing Strategy</li> </ul> <p><u>Operation</u></p> <ul style="list-style-type: none"> <li>Reduce lighting effects</li> <li>Landscape and Habitat Management Strategy will remain in place during operation.</li> </ul> |



| Well-being Goal | Baseline | Key Issues | Mitigation proposed by Horizon |
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| <ul style="list-style-type: none"> <li>• Woodland land area cover on Anglesey is very low when compared to other parts of Wales at 3.5% compared to an average of 13% for Wales.</li> <li>• Within the Anglesey management catchment, 6% of surface water bodies are at high overall classification status, 37% are at good status and 57% are at moderate overall status.</li> <li>• The overall standard of bathing water around the Anglesey coastline is improving. In Anglesey in 2016, all bathing waters achieved 'sufficient', 'good' or 'excellent' standard with the exception of Cemaes beach. This failed to comply with the Directive standards and an Action Plan is in place to address the casual factors associated with this failure.</li> <li>• The Anglesey AONB covers most of Anglesey's 201 km coastline. The AONB coincides with three areas of</li> </ul> | <p>the development of the main site and associated developments, including the Anglesey AONB and Heritage Coast in North Anglesey;</p> <ul style="list-style-type: none"> <li>• The cumulative impacts arising from the Wylfa Newydd project and related development on the Island in-combination with other proposals, plans and programmes.</li> <li>• The removal and containment of waste, including radioactive materials, to eliminate harm to the natural environment.</li> </ul> |  |
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| Well-being Goal                                                                                                                                                             | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mitigation proposed by Horizon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|                                                                                                                                                                             | Heritage Coast which is a non-statutory designation to protect the coast from development and increase recreation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Healthier:</b><br>A society in which people's physical and mental well-being is maximised and in which choices and behaviours that benefit future health are understood. | <ul style="list-style-type: none"> <li>Life expectancy in Anglesey is similar to the national (Wales) average.</li> <li>Anglesey has a growing aging population. 25.2% of the population already aged 65 or more in 2016, a proportion higher than in either North Wales (22.6%) or Wales (20.4%).</li> <li>The number of people who reported their health as fair or poor in Anglesey is lower than the national rate. In the 2015, 15% of Anglesey respondents rated themselves as having fair or poor health, compared to 19% across Wales as a whole.</li> <li>Nearly a quarter of the population (23.1%) have severely limiting long term illnesses or disabilities. This</li> </ul> | <ul style="list-style-type: none"> <li>Minimising and mitigating health impacts of air pollution, noise, vibration and light pollution from the Wylfa Newydd project at all stages of the project, particularly on the communities of North Anglesey;</li> <li>Mitigate the increase in traffic, including HGVs, to and from the main site and related development sites with the associated noise, air quality and amenity impacts, and increase in journey times, particularly for North Anglesey;</li> <li>To help support healthy lifestyles, assessment and sufficient mitigation is required on open space, recreation and leisure provision for both the</li> </ul> | <u>Construction:</u> <ul style="list-style-type: none"> <li>Community Impact Fund</li> <li>Measures set out in Health Impact Assessment: Well-being engagement sub-group</li> <li>Measures set out in Equality Impact Assessment</li> <li>Appointment of Community Involvement Officers</li> <li>Support development of Workforce Strategies to mitigate churn in health and social care sector.</li> <li>Provision of Occupational Health and Hygiene services to construction workforce.</li> <li>Code of Construction Practice (for each site)</li> <li>Code of Conduct (under Workforce Management Strategy)</li> </ul> |



| Well-being Goal | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Key Issues                                                                                                                                                                                                                                                                                       | Mitigation proposed by Horizon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|                 | <p>is similar to the national (Wales) average of 22.8%.</p> <ul style="list-style-type: none"> <li>Air Quality is generally good across the Island although within the wider Local Health Board area, levels of NO<sub>2</sub> rose in 2016 following annual reductions since 2010. All Anglesey areas are amongst the least deprived in Wales for this measure in the 2015 Indices of Multiple Deprivation. There are no Air Quality Management Areas (AQMAs). Roadside concentrations of NO<sub>2</sub> are relatively low with exceptions along the A55.</li> <li>There are no noise priority areas for Anglesey identified by the Welsh Government and complaints for noise associated with construction and vehicles are low. Noise has been measured above the WHO guideline of 55dB adjacent to the A55 and A5025.</li> </ul> | <p>construction workforce and local population where community facilities are impacted;</p> <ul style="list-style-type: none"> <li>Protecting the currently good air quality across Anglesey;</li> <li>The displacement of those employed in existing health and social care sectors;</li> </ul> | <ul style="list-style-type: none"> <li>Prioritise use of onsite medical facilities rather than community NHS services for campus</li> <li>Provision of Logistics Centre at Parc Cybi and Park and Ride</li> <li>Shuttle buses between Park and Ride and main site</li> <li>Phasing Strategy</li> <li>Offline improvements to A5025</li> <li>Construction Traffic Management Strategy</li> <li>Local Noise Mitigation Strategy</li> </ul> <p><u>Operation:</u></p> <ul style="list-style-type: none"> <li>Code of Operational Practice</li> <li>Operational Travel Strategy</li> <li>Travel Plan Coordinator</li> <li>Dedicated waste and recycling facility</li> <li>Off-Site Power Station Facilities</li> </ul> |



| Well-being Goal                                                                                                                                                                                                | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mitigation proposed by Horizon                                                                                                                                                                                                                                                                                                     |
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| <p><b>More equal:</b></p> <p><b>A society that enables people to fulfil their potential no matter what their background or circumstances (including their socio economic background and circumstances)</b></p> | <ul style="list-style-type: none"> <li>The 2014 Welsh Index of Multiple Deprivation (WIMD) highlights that out of the 44 Lower Super Output Areas (LSOAs) on Anglesey, 1 LSOA (Morawelon) falls within the 10% most deprived LSOAs in Wales.</li> <li>The population of Anglesey is largely dispersed across the rural areas. In 2011, only 20,336 of the total population of 69,740 were in the three largest towns (Holyhead, Llangefni and Amlwch).</li> <li>The majority of the population in Anglesey class themselves as 'white' in 2011 (98.2% - a fall from 99.3% in 2001). The proportion of the population described as non-white mixed and Asian or British Asian was the next key ethnic groups extending to a total of 1.3% of the local population (0.7% and 0.6% respectively)</li> <li>31% of adults consider their day-to-day activities to be</li> </ul> | <ul style="list-style-type: none"> <li>Ensuring the Wylfa Newydd project and related development helps to promote access to jobs, services and facilities for all members of Anglesey's communities regardless of background to ensure a sustainable legacy;</li> <li>Ensuring those in the most deprived areas of the Island have access to the opportunities presented by the Wylfa Newydd project and related development;</li> <li>The need to ensure that the delivery of services addresses problems concerning accessibility and remoteness from its users;</li> <li>Ensuring that Wylfa Newydd and related projects do not disproportionately adversely impact on vulnerable members of the community;</li> <li>Reducing poverty and addressing health inequalities across the Island.</li> </ul> | <p><u>Construction:</u></p> <ul style="list-style-type: none"> <li>Appointment of Community Involvement Officers</li> <li>Housing Fund</li> <li>Community Impact Fund</li> <li>Workforce Management Strategy</li> <li>Wylfa Newydd Employment and Skills Service</li> <li>Appointment of Community Involvement Officers</li> </ul> |



| Well-being Goal                                                                           | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Key Issues                                                                                                                                                                                                                                                   | Mitigation proposed by Horizon                                                                                                                                                                                                                |
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|                                                                                           | <p>limited because of a health problem/disability, including 13% who are limited a lot.</p> <ul style="list-style-type: none"> <li>• Similar to national (Wales) trends, the proportion of females that were economically active in Anglesey in the period July 2016 to June 2017 (72.9%) was less than males (83.2%). However, unlike national and UK trends, unemployment amongst females was less at 4.4% (compared to 4.7% amongst males).</li> <li>• Between 2016/17 the difference in weekly pay between males and females was smaller than that for Wales and the UK as a whole.</li> </ul> |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                               |
| <b>Cohesive Communities:<br/>Attractive, viable, safe and well-connected communities.</b> | <ul style="list-style-type: none"> <li>• In 2016/17, Anglesey had the lowest crime rate in North Wales with 43.7 crimes per 1,000 population (4th lowest in Wales). However, 1,071 crimes were recorded in Anglesey in 2017, which is an increase of 8% from 2016.</li> </ul>                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>• Ensuring that the safety of workforce and existing communities of Anglesey is maintained during construction and operation;</li> <li>• The maintenance of a relatively low crime rate across the Island;</li> </ul> | <p><u>Construction:</u></p> <ul style="list-style-type: none"> <li>• Workers Management Strategy</li> <li>• Phasing Strategy</li> <li>• Workforce Accommodation Strategy (WAS).</li> <li>• Worker Accommodation Management Service</li> </ul> |



| Well-being Goal         | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mitigation proposed by Horizon                                                                                                                              |
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|                         | <ul style="list-style-type: none"> <li>Fibre broadband was rolled out across Anglesey in 2014. However, the speed in the northern and western areas of the Island is generally slower than in the south and east</li> <li>The average annual household income on Anglesey is £23,560. £32,357 is needed to afford a property at market entry level price.</li> <li>High levels of private households are living in fuel poverty (34.9%).</li> <li>Although a range of services exist in the main centres, the rural areas suffer from lack of facilities.</li> </ul> | <ul style="list-style-type: none"> <li>The need to avoid increasing social inequalities and the isolation of communities;</li> <li>The need to safeguard communities from harm, particularly those at risk of abuse;</li> <li>The need to ensure disruption to the Island's transport infrastructure and connectivity is minimised and mitigated during construction and operation, particularly along the A5025 in North Anglesey;</li> <li>The need to ensure that the Wylfa Newydd project does not compromise existing communities' access to a range of housing options of the right type and tenure;</li> <li>The maintenance and enhancement of access to a range of services and facilities, particularly in the North Anglesey area.</li> </ul> | <ul style="list-style-type: none"> <li>Marine Safety Management System</li> <li>Housing Fund</li> <li>Community Impact Fund</li> <li>Site Campus</li> </ul> |
| <b>Vibrant culture:</b> | <ul style="list-style-type: none"> <li>A high proportion of the Islands' population speak</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>The sustainability of the welsh language, a key part of</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>Construction:</u>                                                                                                                                        |



| Well-being Goal                                                                                                                                                  | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Key Issues                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mitigation proposed by Horizon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| A society that promotes and protects culture, heritage and the Welsh language, and which encourages people to participate in the arts, and sports and recreation | <p>Welsh language (57% at 2011 Census) but this has declined by 5% since 1981.</p> <ul style="list-style-type: none"> <li>The percentage of Welsh speakers is significantly greater than the national average (19%), but is lower than neighbouring Gwynedd (65.4%).</li> <li>The highest proportions of Welsh speakers are to be found in the more rural central areas of Anglesey, whilst the proportion of Welsh speakers tends to be lower towards the west of the Island and in particular around the Holyhead area.</li> <li>Anglesey has a rich cultural heritage that includes a number of sites designated for their importance: part of a connected World Heritage Site designation (Beaumaris castle); over 1000 listed buildings; 12 conservation areas, including four in North Anglesey; 8 Historic Parks and Gardens including Cestyll</li> </ul> | <p>the cultural identity of the Island, is a key issue particularly during construction, when significant numbers of construction workers will be drawn to the Island, and to a lesser extent during operation;</p> <ul style="list-style-type: none"> <li>The protection and enhancement of both designated and non-designated cultural heritage assets on the Island, particularly scheduled monuments, registered parks and Gardens including Cestyll Gardens, listed buildings and conservation areas. The effects on those assets in North Anglesey;</li> <li>The protection and provision of open spaces, recreation grounds and footpaths (including the coastal footpath in North Anglesey) to ensure opportunities for participation in sports and recreation are maintained and enhanced;</li> </ul> | <ul style="list-style-type: none"> <li>Welsh Language and Culture Mitigation and Enhancement Strategy</li> <li>Welsh Language and Culture Co-Ordinator</li> <li>Wylfa Newydd Employment and Skills Service</li> <li>Community Impact Fund</li> <li>Bilingual signage</li> <li>Archaeological excavation</li> <li>Tourism Fund</li> </ul> <p><u>Operation:</u></p> <ul style="list-style-type: none"> <li>certain measures identified above to remain in place for operation with others, such as the archaeological excavation not taken forward.</li> </ul> |



| Well-being Goal                                                                                                                                                                                                                                                | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Key Issues                                                                                                                                                                                                                                                                          | Mitigation proposed by Horizon                                                                                                                                                                                   |
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|                                                                                                                                                                                                                                                                | <p>Gardens to the west of Wylfa Head; and 143 scheduled monuments, 41 of which are within North Anglesey.</p> <ul style="list-style-type: none"> <li>Across the Island there is an irregular provision of fields in trust, outdoor sports facilities, playing pitches, children's playing space and equipped play space against benchmark provision thresholds.</li> <li>There are four Council managed Leisure Centres at Amlwch, Holyhead, Plas Arthur in Llangefni and David Hughes in Menai Bridge. There is also a community managed Leisure Centre in Beaumaris.</li> </ul> | <ul style="list-style-type: none"> <li>The protection of key cultural activities and spaces including arts centres, museums and libraries.</li> </ul>                                                                                                                               |                                                                                                                                                                                                                  |
| <p><b>Globally responsible:</b><br/>A globally responsible Wales.<br/>A nation which, when doing anything to improve the economic, social, environmental and cultural well-being of Wales, takes account of whether doing such a thing may make a positive</p> | <ul style="list-style-type: none"> <li>There are 1,000-2,500 properties on Anglesey identified with 'significant' likelihood of flooding (defined as more than a 1 in 75 (1.3%) annual chance of flooding), and 10-20% of the Island lies within a floodplain.</li> </ul>                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>The impacts of global supply chains on climate change and to adapt and mitigate during construction of Wylfa Newydd and related development;</li> <li>The need to contribute to the reduction in greenhouse gas emissions and the</li> </ul> | <p><u>Construction:</u></p> <ul style="list-style-type: none"> <li>Code of Construction Practice (for each site)</li> <li>Compliance with Flood Consequence Assessment (FCA)</li> </ul> <p><u>Operation:</u></p> |



| Well-being Goal                                                                                    | Baseline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Key Issues                                                                                                                                                                                                                    | Mitigation proposed by Horizon                                                                                                                                                                |
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| contribution to global well-being and the capacity to adapt to change (for example climate change) | <ul style="list-style-type: none"> <li>On Anglesey, industrial emissions significantly reduced over the period from 2005 to 2011, since which there has been little change. Domestic emissions decreased in 2015, meaning industry and commercial emissions were greater than domestic emissions for the first time since 2009.</li> <li>Per capita annual carbon emissions dropped from 11.9 tonnes CO<sub>2</sub> in 2005 to 6.4 tCO<sub>2</sub> in 2015. Anglesey emissions per capita are below average for Wales (9.7tCO<sub>2</sub>).</li> </ul> | <p>achievement of national and international targets through the promotion of renewable and low carbon technologies;</p> <ul style="list-style-type: none"> <li>The management of those areas at risk of flooding.</li> </ul> | <ul style="list-style-type: none"> <li>Sustainable travel information and car sharing for operational staff.</li> <li>Operational Travel Strategy</li> <li>Travel Plan Coordinator</li> </ul> |



## **Appendix D Framework Assessment Part 1 - Well-being Objectives**



| Local well-being                                                                             | Initial project development                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Review of the project                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IACC Requirements for further contributions                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <p><b>Review the Local Well-being Plan:</b> look at the bigger picture, connect the dots</p> | <p>Start designing your project from an understanding of the well-being of your area:</p> <p>How does your project address issues identified in the local well-being assessment of the area? Where will the project be located? What does the well-being assessment of the area say about the location?</p> <p>Identify the relevant connections with the Local Well-being Plan – how will your project support this, the local well-being objectives and the steps to meet the objectives?</p> | <p>Return to the issues you identified in the Local Well-being Plan:</p> <p>How can you maximise the contribution of your project to the well-being of the local area and contribute to the delivery of the Local Well-being Plan?</p> <p>Dig further – are there other things the project could contribute to in order to improve the economic, social, environmental and cultural well-being of Wales? (Looking at the seven goals will help you to do this – see the table on goals below).</p> | <p>The baseline context for the project has been established, and is summarised in Section 3 of this report, with additional information provided in Appendix B, with consideration of the key issues identified in the local well-being assessment as well as information in the Local Well-being Plan (2018), the Council's Vision for 2025, the Wylfa Newydd SPG and topic papers and a review of the Environmental Statement Submitted for the Project</p> <p>The Local Well-being Plan<sup>1</sup> identifies nine key messages. The contribution of Wylfa Newydd to addressing each of these is considered for each issue in turn in this section. Where appropriate a distinction is made between the construction and operational phases.</p> <p><b>1. The need to maintain a healthy community spirit</b></p> <p><b>Construction:</b></p> <p>The Welsh language is an important part of the cultural fabric and community spirit of Anglesey. During the construction phase there are expected to be 8,500 workers in the peak construction period (the project ES assesses a scenario of 9,000 workers). The project must ensure that the vibrancy of the Welsh language as part of the community spirit is not diluted through the influx of mainly non-Welsh speaking workers (see measure 4 for further consideration of the Welsh language).</p> <p>In addition to the Welsh language, responses to the Anglesey wellbeing assessment found that community spirit is tied to the landscape and coastal views. The project Health Impact Assessment<sup>2</sup> recognises that construction would bring change and visual disturbance to the Wylfa Newydd Development Area (WNDA) which can cause adverse effects on social identity and culture. This would be particularly the case for communities of North Anglesey, especially around Cemaes in the vicinity of the main site.</p> <p><b>Operation:</b></p> <p>The operation phase would see the introduction of permanent security features which could affect community identity as identified in the project HIA. Additionally the HIA recognises uncertainty related to training exercises could affect social cohesion. The impact on the Welsh language is further assessed under measure 4.</p> <p>The operational phase would also support a workforce that would predominantly be housed within Anglesey itself (the ES<sup>3</sup> states that 87% are expected to live on Anglesey). This could support community cohesion on the Island through the retention of well paid staff.</p> <p>The direct and indirect spend in the area will also support community cohesion through the support of businesses and indirect job creation.</p> | <p>Front loading of mitigation to support IACC dealing with the issues before they arise.</p> <p>Ensure DCO requirements allow IACC to discharge its functions in relation to the Wellbeing and Future Generations Act particularly with regard to the CoCP and Sub-CoCPs which provide little detail on many of the measures proposed to control aspects of the project that would have a direct effect upon well-being goals and objectives..</p> |

<sup>1</sup> Gwynedd and Môn Public Services Board (2018) Gwynedd & Anglesey Well-being Plan. Available at <https://www.llesiantgwyneddmon.org/Uploads/Pages/Documents/3-5-3-96-1-Gwynedd-and-Anglesey-Well-being-Plan.pdf> [accessed July 2018]

<sup>2</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project Health Assessment Report

<sup>3</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project - 6.3.1 Environmental Statement Volume C – Project Wide effects – Socio-economic



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IACC Requirements for further contributions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|                  |                             |                       | <p><b>2. The importance of protecting the natural environment</b></p> <p>The value of the natural environment on Anglesey is recognised by the designation of numerous sites to conserve natural habitats and species of wildlife. Anglesey hosts eight European Special Areas of Conservation (SACs), three Special Protection Areas (SPAs), one Ramsar site and 64 Sites of Special Scientific Interest (SSSIs). Anglesey also has four National Nature Reserves, which include lowland fens in proximity to the proposed scheme. The natural environment is valued by both residents and visitors to Anglesey alike.<sup>4</sup> Almost the entire coastline of Anglesey is designated as the Anglesey Area of Outstanding Natural Beauty (AONB). The AONB covers approximately 221sq km.</p> <p>The project will have an impact on the natural environment and biodiversity in the local area. The potential effects associated with the project identified in the ES<sup>5</sup> include the loss and fragmentation of habitats, disturbance (noise, light and recreation), hydrological alterations, and changes to air and water quality.</p> <p><b>Construction:</b></p> <p>Tre'r Gof SSSI is located within the Wylfa Newydd development Area (WNDA). In addition there are two areas of semi-natural ancient woodland and one restore ancient woodland. The site is home to a wide range of protected species and sensitive habitats. Horizon proposes substantial mitigation to reduce the effects upon terrestrial ecology however during construction a number of protected species and sensitive habitats would be lost from the site. Horizon is proposing to provide two receptor sites, an enhancement site and further affield compensation sites (the latter to compensate for the potential loss of Tre'r Gof SSSI). The Council is concerned about the effects upon ecology and in particular the potential loss of the SSSI. Further information is required to demonstrate that the use of receptor sites can adequately mitigate for the effect upon certain species whilst it will be very important to have measures in place to appropriately manage the compensation sites in advance of works taking place at the WNDA. The natural environment is highly valued by local communities and opportunities to improve local knowledge of the Island's rich biodiversity should be taken.</p> <p>Marine ecology includes marine fish, mammals and sea birds together with their food sources. There are three nationally or internationally designated marine based nature conservation sites within or adjacent to the WNDA whilst there are three water bodies protected under the Water Framework Directive. Mitigation embedded into the design together with monitoring and potentially additional mitigation is proposed to reduce the levels of effect. Horizon should acknowledge that the marine environment, both in terms of its species but also its seascape is a key element of its tourist attraction.</p> <p>The landscape of the WNDA and its immediate surroundings is of high quality. This is recognised by the designation of AONB status for much of the coastline (extending into the western part of the WNDA) and Heritage Coast status. The</p> | <p>Agree monitoring regimes for both the construction and operation phases of development with regard to terrestrial and marine ecology and surface and groundwater. Without monitoring, and measures in place to respond to effects that may arise the natural environment could be further compromised by the project which would be further detrimental to the goal of a resilient Wales</p> <p>Ensure the Landscape and Habitat Management Strategy (LHMs) is secured over the long term during the operation of Wylfa Newydd.</p> |

<sup>4</sup> Isle of Anglesey County Council (2018) Anglesey: A Unique and Special Place 'Sense of Place': A Draft Report.

<sup>5</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project - Environmental Statement Vol. D Terrestrial and freshwater ecology



| Local well-being | Initial project development | Review of the project | Assessment commentary | IACC Requirements for further contributions |
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nature of the development is such that effects upon the landscape are inevitable. Horizon is proposing mitigation through the use of landscape mounds, the choice of materials to be used on buildings and through the provision of screen planting for example. The dark skies commonly experienced would also be affected by night-time construction lighting. Loss of the existing landscape resource could lead to secondary effects upon the local communities who could be potentially distressed by the loss of long established natural features.

The project has the potential to affect surface and groundwater. There are five catchments within or surrounding the WNDA whilst the ground beneath forms a secondary aquifer. Tre'r Gof and Cae Gwyn SSSIs are as a minimum, partially dependent upon groundwater. The WNDA lies outside of land known to be at risk from flooding.

#### Operation:

The ongoing maintenance of planting, including habitats creation would be undertaken with a view to encouraging wildlife back on to the site. Operational effects upon Tre'r Gof SSSI would be monitored and the off-site compensation habitats would continue to be managed in an appropriate manner.

Operational landscape effects are likely to lessen over time as planting becomes established and the power station becomes increasingly integrated into the wider landscape. However Porth-y-pistyll bay would continue to be significantly affected by the operation of built structures such as the Cooling Water System intake structure, MOLF, and breakwaters. These would affect both local character and the setting of AONB in this location.

The operational phase proposes the implementation of the Landscape and Habitat Management Scheme (LHMS). The long term maintenance of the LHMS needs to be secured to ensure that the effects can be managed successfully through the life time of the project.

The landscape mounding and site drainage which will be in place during the operational phase will affect existing surface water drainage patterns.

### 3. Understanding the effect of demographic changes

#### Construction:

The population of Anglesey is ageing. Past trends suggest a declining population to below 2014 levels by 2021. The JLDP plans for growth linked to the benefits for the Island from the Energy Island Programme to mitigate population decline. During construction the project will involve a large number of workers (8,500 at peak with assessment based on 9,000 at peak in ES). This has the potential to contribute to a (temporary) increase in working age population.

The project can contribute to the retention of young people on the Island through the provision of education, skills training and well paid employment opportunities. The proposed opportunities in the project Jobs and Skills Strategy need to be secured.

#### Operation:

During the operational phase, a range of employment opportunities will be secured over the 60 year life of the plant. In combination with other projects Wylfa Newydd could provide good source of well paid, skilled employment opportunities.

The potential benefits to North Anglesey are particularly relevant due to the ageing population in these wards.

Horizon should set out how it will seek to secure public access to Cestyll Gardens. This should be encouraged and enhanced such that it enables both visitors and local communities to enjoy local culture.

Ensure the Jobs and Skills Strategy is secured and implemented with commencement starting ahead of construction such that opportunities to access jobs can be maximised.



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IACC Requirements for further contributions                                                                                                                      |
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|                  |                             |                       | <p><b>4. Protecting and promoting the Welsh language</b></p> <p>The Welsh language is central to the sense of community and wellbeing on the Island. The project will provide some opportunities to protect and promote the Welsh language, which is important in Anglesey but in decline according to Census data. The project Welsh Language Impact Assessment (WLIA)<sup>6</sup> asserts that overall the project will have a neutral effect on the Welsh language with a range of beneficial and adverse effects.</p> <p><b>Construction:</b></p> <p>According to the WLIA, the project will have a range of beneficial and adverse effects on Welsh language during the construction phase. Moderate beneficial effects are associated with the employment opportunities created and the retention of local young people, many of whom speak Welsh. Beneficial effects are expected in relation to investment in the local economy and businesses, including Welsh speaking businesses. Beneficial effects are also considered likely due to increasing demand for community and local services, where Welsh would be spoken, and promoting use of voluntary and youth groups which would support their future.</p> <p>Major adverse effects are associated with the inward migration of skilled construction workers, who are likely to be non-Welsh speakers from other parts of the UK and Europe. This is particularly going to be experienced within North Anglesey where a concentration of up to 4,000 workers at the Site Campus will have a major adverse effect on the balance of Welsh/non-Welsh speakers. There may also be adverse effects on tourism businesses in North Anglesey due to displacement of business with knock on effects for the Welsh language.</p> <p>Negligible adverse effects are also expected on businesses along the A5025. Adverse effects are also likely for those in the area being able to access housing, the introduction of construction worker's children into Welsh-medium schools and impact on services. There may also be adverse effects on social and cultural aspects within North Anglesey from the introduction of non-Welsh speakers into the area.</p> <p>The project WLIA outlines a number of mitigations. However, IACC would seek further mitigation measures are incorporated. These include the inclusion of linguistic targets for all Wylfa Newydd operational staff; a proactive and encouraging approach to the Welsh language; employee appraisals to establish language skills requirements; and bilingual officer for secondary school (WLCMS).</p> <p><b>Operation:</b></p> <p>The project WLIA states that during operation the project will largely have similar effects on the Welsh language as during construction. The permanent, high quality job opportunities are considered to have moderate beneficial effect on the Welsh language as around 85% of workforce would be local (61% of which speak Welsh) and employment opportunities are considered to strengthen communities and attract young people to the area.</p> | <p>The project WLIA outlines a number of mitigations. IACC would seek the inclusion of measurable linguistic targets for all Wylfa Newydd operational staff.</p> |

<sup>6</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project – Welsh Language Impact Assessment



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IACC Requirements for further contributions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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|                  |                             |                       | <p>Additionally, high quality employment is likely to lead to spend in the local area, use of community facilities and participation in social/community groups which will support the use of Welsh on the Island.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>Delivery of Welsh language immersion by Horizon needs to be secured through S106 and the WLCMS. Horizon should liaise with IACC to identify the recruitment needed to support effective educational delivery.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                  |                             |                       | <p><b>5. Promoting the use of natural resources to improve health and well-being in the long-term</b></p> <p><b>Construction:</b></p> <p>The Island's natural resources provide an attractive resource for local communities to engage in healthy lifestyles. Construction at the main site in particular would reduce access to the natural environment within and immediately surrounding the WNDA. This would be due to the severing of footpaths and the realignment of the Wales Coastal path, away from the coast. For the associated sites, potential interruptions would be significantly less with the exception of the offline works to the A5025. Construction works would lead to the temporary severing of existing footpath networks.</p> <p>In the short-medium term which is the construction phase there is the potential to improve the quality of footpaths. Firstly, the A5025 off-line will be operational during construction and it is proposed to provide realigned and/or new footpaths links to reinstate the network which existed pre-construction. These footpaths should facilitate access by cycle and by members of the community who require greater levels of accessibility. Horizon should consider in partnership with the County Council, the identification of certain footpaths as accessible for all. Horizon's planning statement suggests that only section 5 of the offline A5025 will have a cycle path. Suitable and safe cycling provision should be provided along the A5025, linking communities.</p> <p>The loss of access to the coastline in North Anglesey could affect community wellbeing. It is therefore essential to ensure that the realigned footpath is accessible to all and attractive for use. Opportunities to create a fun trail (as referenced in the HIA), a history trail (explaining the results of recent archaeological excavations) or fitness trail such that this realigned stretch of footpath become multi-use could be taken.</p> <p><b>Operation:</b></p> <p>Long-term opportunities to promote health and well-being through the use of the natural environment exist at the operational stage. The finalised alignment of the Wales Coastal Path could include, on a permanent basis, the initiatives referred to during the construction phase assessment above. In addition consideration should be given to the long-term management of Cestyll Gardens for public access and the provision of information on the historic significance of the area including and surrounding the WNDA both with regard to human activities and the geological significance as demonstrated by the Porth Wnal Dolerite RIGS. Horizon is proposing bilingual geological information boards on Wylfa Head prior to construction, to provide an educational resource linked to the RIGS and to encourage both visitors and the local community to visit the area. These would remain in place during the operational phase.</p> <p>Anglesey is currently bidding for Dark Sky status; areas of the Island which have the potential to be affected by the project. Whilst lighting effects at both construction and operation can be mitigated through good design it is inevitable that existing lighting levels across the main site will increase as a result of the</p> | <p>Develop a historic trail where the Wales Coast Path is diverted inland around power station.</p> <p>Horizon should establish a Public Rights of Way Management Strategy to provide overview of how to limit negative effects and maximise opportunities associated with the project.</p> <p>Horizon should investigate opportunities to support the development of green and open spaces, including 'trim trails'.</p> <p>Include interpretation/displays regarding natural history within the proposed visitor centre.</p> <p>Horizon should deliver extensive cycle path provision along the A5025 on and/or off-line improvements.</p> <p>Require that the footpaths that are realigned or replaced as a result of construction activities are made accessible to all members of the community.</p> <p>Horizon should provide educational information with regard to aspects of the natural and cultural environment particularly along the realigned Wales Coast Path.</p> |



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IACC Requirements for further contributions                                                                                                                                                                                                                                                                                                                                                      |
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|                  |                             |                       | <p>project. Street lighting along the A5025 is to be restricted to the new roundabout at Valley and for a 105m length of road adjacent to the roundabout. Horizon state that this is to reduce adverse effects on night-time views and the tranquillity of the AONB. Designation of Dark Sky status would help Anglesey to demonstrate the undisturbed quality of its natural environment, potentially encourage tourists and reinforce the sense of place experienced in many of the island's communities. Opportunities to help promote the initiative could be taken by Horizon.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>Support initiatives referenced within the HIA to development fun trails in the local area.</p> <p>Funding should be provided for the promotion of dark skies status on the Island.</p>                                                                                                                                                                                                        |
|                  |                             |                       | <p><b>6. Improving transport links to enable access to services and facilities</b><br/> <b>Construction:</b><br/> The construction phase will include a number of offline/online improvements to the A5025 between Dalar Hir and the main site (online do not form part of the DCO). During construction (of both the improvements and then further more during the construction of the main site) there will be impacts in terms of inhibiting access for local communities to services and facilities. This will be further impacted by the number of construction vehicles that will use the A5025 to access the Wylfa Newydd development area for site preparation and clearance and the wider construction phase.</p> <p>There may also be effects with regards to access to higher level services. For example, access to Ysbyty Gwynedd, Bangor requires travel over the Britannia Bridge. The project proposes that peak flows related to construction will avoid peak travel times over the bridge. However, access may be impeded and the Council remains concerned about the potential effects upon Britannia Bridge given that Horizon identifies existing driver stress with additional stress caused by the project. Horizon consider this will not be significant</p> <p>Mitigation is proposed by Horizon to mitigate effects on transport links in the form of the site campus, which seeks to ensure that up to 4,000 construction workers are located close to the development site, the Logistics Centre to consolidate road borne HGV traffic; the use of the marine offloading facility (MOLF) to bring materials to site; and the park and ride site at Dalar Hir.</p> <p><b>Operation:</b><br/> During the operation phase the A5025 improvements will be in place. The Planning Statement prepare by Horizon suggest that the improvements will include a new shared foot/cycle path along section 5 of the proposed scheme (south of Llanfaethlu to north of Llanfaethlu). Additionally, the development will lead to benefits with regards to road safety.<sup>7</sup> IACC are keen that the A5025 between the main site and Amlwch is improved recognising the potential benefits of doing so.</p> <p>In the operational phase, the project will not directly support public transport provision. The project proposes to include a travel plan which would support car shares for staff. There is an opportunity to explore how the operational phase could support and sustain public transport.</p> | <p>Horizon should work with IACC to provide improvements to the A5025 from the Wylfa Newydd site to Amlwch.</p> <p>Measures to mitigate the causes and effects of driver stress along the A55 should be identified.</p> <p>Horizon should undertake sensitivity testing of their transport model with particular focus upon Britannia bridge and to include implications of bridge closures.</p> |
|                  |                             |                       | <p><b>7. The need for good quality jobs and affordable homes for local people</b><br/> <b>Construction:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                  |

<sup>7</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project - 8.1 Planning Statement, pages



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IACC Requirements for further contributions                                                                                                                                                             |
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|                  |                             |                       | <p>The construction workforce is anticipated to peak at around 8,500 workers (Horizon model on 9,000) made up of construction workers, facilities management staff and operational staff. Of this an estimated up to 4,000 will be accommodated in the Site Campus, 3,000 will be accommodated in the key study area (KSA), and 2,000 home based workers which are expected to be already residing in the KSA (1,260 from Anglesey based on a gravity model).<sup>8</sup></p> <p>The extent to which may have impacts on the private rented sector - in terms of bedspace availability and the displacement of existing private sector renters to social housing stock and onto other areas of the Island - is key to understanding effects. The ES identifies a moderate adverse effect. The greatest impact is likely to be felt in North Anglesey.<sup>9</sup> Monitoring and mitigation will have to be implemented. The Housing Fund is proposed by Horizon in mitigation and seeks to bring empty homes back into use and support the use of latent accommodation. The Environmental Statement assesses major beneficial effects related to these substantial employment opportunities. These benefits need to be secured to enable Anglesey residents to access the range of jobs (both skilled and unskilled) that will become available whilst displacement from existing jobs must be mitigated through effective implementation of the project Jobs and Skills Strategy. However, there are barriers (both physical and social) to accessing jobs which may stop people from accessing opportunities. Childcare provision is key to enabling those that may otherwise be marginalised from entering or returning to the job market do so. Existing provision was assessed by IACC in 2014 as being generally sufficient across the Island although there were gaps in rural areas.<sup>10</sup> Additionally, physical access through sustainable transport modes can also enable people to access opportunities. Overcoming social and physical barriers is important for supporting opportunities across the Island.</p> <p><b>Operation:</b></p> <p>During the full operation the ES estimates there will be an estimated 850 workers. In addition an outage workforce of 1,000 would be required every 18 months on a temporary (25-30 day) basis.<sup>11</sup></p> <p>The ES states that around 85% of workers are expected to be drawn from the local area (Daily Construction Commuting Zone (DCCZ) which equates to a 90 minute commute time) and 87% of workers would reside on Anglesey.</p> <p>The ES states that significant beneficial effects are expected from offer of high quality jobs over the 60 year operational period. In the project ES, anticipated demand for owner occupied and private rented sector housing is considered to not have a significant effect.<sup>12</sup></p> | <p>Horizon's mitigation of the temporary site campus must be delivered in a phased manner ahead of worker demand.</p> <p>Deliver mitigations through the Housing Fund in advance of peak workforce.</p> |

<sup>8</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project - 6.3.1 Environmental Statement Volume C – Project Wide effects – Socio-economic, page 7-52

<sup>9</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project - 6.3.1 Environmental Statement Volume C – Project Wide effects – Socio-economic, page 7-52

<sup>10</sup> Isle of Anglesey County Council (2014) Childcare Sufficiency Assessment 2014. Available via: <http://www.anglesey.gov.uk/Journals/2014/07/24/h/b/o/Anglesey-CSA-Report-2014.pdf> [accessed August 2018]

<sup>11</sup> Horizon Nuclear Power (2018) 6.3.1 Environmental Statement Volume C – Project Wide effects – Socio-economic, page 7-52

<sup>12</sup> Horizon Nuclear Power (2018) 6.3.1 Environmental Statement Volume C – Project Wide effects – Socio-economic, page 7-52



IACC Requirements for further contributions

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| labour market could be maximised by ensuring that engineering and mathematics (STEM) education and training are in place so support access to opportunities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The provision of childcare facilities/services should be examined by Horizon in consultation with IACC as a way of reducing potential barriers to work. |
| on well-being                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Horizon should support IACC in the delivery of its drafted anti-poverty strategy.                                                                       |
| a range of employment opportunities in Anglesey if engineering roles through to clerical positions. way to alleviating poverty although a lack of access to so informs poverty. The maintenance of access needs to construction phase.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                         |
| force during the operational phase will live on Anglesey re 7). The operational phase will provide opportunities for and.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                         |
| draft Anti-Poverty Strategy <sup>13</sup> to help enable all members of their potential and support vulnerable adults and families should aim to implement the draft strategy and support its                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                         |
| unity for every child to succeed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                         |
| is access to education. The project promoter assesses the school place provision and considers no significant effect is available (review and provision of funding is community Impact Fund where effects identified by IACC) of the primary school provision in Anglesey is IACC believe that school place assessment has not e number of pupil spaces that will be required. taking a primary outreach programme since 2015 and tion officers are appointed on term time contracts <sup>15</sup> . The tion in local schools should be maximised to ensure jobs can be filled locally. Securing the delivery of the through partnership with relevant organisations is key to lise their potential. |                                                                                                                                                         |

[gov.uk/Journals/x/q/w/Draft-Anti-Poverty-Strategy-21.3.18.pdf](http://gov.uk/Journals/x/q/w/Draft-Anti-Poverty-Strategy-21.3.18.pdf). Accessed August 2018

at Wide effects – Socio-economic, page 33



ry  
IACC Requirements for further  
contributions

increase in school age population and demand for school phase is not considered significant as there are currently promotion of STEM and appropriate training will help to for employment in the long term can be accessed t the Island.

lan<sup>17</sup> sets out the two well-being objectives that have been zsey and Gwynedd Public Services Board. These are on of the issues identified in the well-being assessment well-being objectives are supported by action in six

added in helping the PSB with meeting these objectives is rity area in this section. Relevant policies from the Joint Supplementary Planning Guidance (SPG) are also

**thrive and are prosperous in the long term**

Welsh Language Impact Assessment of the project. This of potential positive and adverse effects arising from the language. Adverse effects include the presence of up to unities across the KSA which would have potential major se and prominence of the Welsh language within a number ecially wards located in Anglesey North such as , Mehell and Moelfre as well as the ward of i Anglesey South. Indirect effects arising from effects , particularly tourism, those stemming from increases in particularly in the north and west of the Isle of Anglesey rented sector and alterations and in the balance of welsh schools as a result of families of construction workers uld be detrimental.

improved employment and educational opportunities, ies to stay on the island and reducing the level of elsh speakers together with additional spend in the local ould also lead to potential investment in local services, munities and indirectly the welsh language. Horizon is mage and Cultural Mitigation Strategy which will be working group. A key issue is the delivery of welsh l Horizon state that it will fund up to two teaching posts. inion that with potentially up to 251 children, that there recruitment needed.

at Wide effects – Socio-economic, page 50

<https://www.llesiantgwyneddiamon.org/Uploads/Pages/Documents/3-5-3-96-1-Gwynedd-and-Anglesey-Well->



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IACC Requirements for further contributions                                                                                                                                                                                                                                       |
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|                  |                             |                       | <p><b>Operation:</b></p> <p>Operational effects are likely to be similar to but less significant than those identified at the construction stage. As the construction workforce leaves, the operational workforce will build to approximately 850 workers with the vast majority likely to be permanently accommodated on the island. The workforce will be required for 60 years. The availability of skilled, well paid, permanent jobs should strengthen communities and the Welsh language, encouraging local people to stay and work on Anglesey. As families are formed and children schooled, the impact on the Welsh language should be broadly positive. It will be important to maximise opportunities for local people to access job opportunities. Therefore before the operational phase, skills training and education should be begun.</p> <p>Relevant JLDP policies: Strategic policy PS 1: Welsh language and culture, Strategic Policy PS 5: Sustainable Development</p> <p>Relevant SPG guiding principles: GP 14: Maintaining and strengthening Welsh language and culture.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Horizon should work with education providers to develop education and skills training, including support for access into higher education for young people with a view to employment requirements at the operational phase 4-5 years ahead of power station commissioning.</p> |
|                  |                             |                       | <p><b>Homes for local people</b></p> <p><b>Construction:</b></p> <p>The consideration of effects upon the Welsh language above has made reference to project literature which identifies potential increases in house prices and rents as a result of the construction workforce. The arrival of up to 3,000 at peak into the local housing market could result in rent and house prices rises which, even if relatively small, would exacerbate existing problems of affordability. Horizon is proposing a housing fund to finance the provision potentially of new homes as well as funding for the re-use of empty properties and other related initiatives. It will be important to ensure that such initiatives are in place in advance of any potential problems. Monitoring during the construction phase should include the monitoring of rents and house prices within the Key Study Area (KSA).</p> <p><b>Operation:</b></p> <p>Maximising the number of local people employed at the operational stage should reduce the demand for accommodation than would otherwise be the case. Providing the mitigation measures delivered through the Housing Fund remain there should be no significant negative effects upon the local housing market.</p> <p>Relevant JLDP policies: Strategic Policy PS 2: Infrastructure and Developer Contributions, Strategic Policy PS 5: Sustainable Development, Strategic policy PS 16: Housing provision, Strategic policy PS 17: Settlement strategy, Strategic policy PS 18: Affordable housing.</p> <p>Relevant SPG guiding principles: GP 9a Maintaining and creating cohesive communities, GP 9b Maintaining and creating cohesive communities – campus style temporary accommodation for construction workers located out with the main Wylfa Newydd site, GP 10a Permanent housing; GP 10b Campus style temporary construction worker accommodation out with the main Wylfa Newydd site, GP 11 Latent supply,</p> | <p>Horizon must liaise with IACC and extend the proposed monitoring framework to include for the monitoring of private rents, house prices, rates of homelessness, displacement etc.</p>                                                                                          |
|                  |                             |                       | <p><b>The effect of poverty on the well-being of our communities</b></p> <p><b>Construction:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   |



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IACC Requirements for further contributions                                                                                                                                                                                        |
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|                  |                             |                       | <p>The construction phase provides a significant economic opportunity for the island which should be potentially beneficial to addressing the causes of poverty. It will however be important to ensure that opportunities are maximised through the provision of educational support, a focus on STEM and the delivery of comprehensive skills training. In addition initiatives to address other barriers to employment, such as a lack of suitable childcare should be taken by Horizon.</p> <p>The provision of new job opportunities may lead to local people leaving existing employment in lower paid jobs. Some of these jobs do provide valuable services to the local community, particularly those in or on the boundaries of poverty.</p> <p>Therefore Horizon must investigate displacement effects particularly in the health and social care sector. The future demand and supply of skills should be monitored and planned for. Whilst the Council welcomes the Jobs Skills Strategy it would good to understand in more detail the level of training and type of training that Horizon and partners are planning for. As project promoter, Horizon should consider working with the Council in the provision of knowledge exchange/careers advice, in the increase in STEM at higher and further education next year, if the individuals are to graduate before 2023. Households with patterns of low educational attainment should be targeted.</p> <p><b>Operation:</b></p> <p>The provision of a large number of well paid, permanent jobs at the power station should support initiatives to reduce levels of poverty. However to be successful it will be necessary to target support and resources to areas of greater deprivation to provide improved life-chances particularly for the young. Similar to the construction phase this will require the provision of advice and support in career development, education and training. Access to new job opportunities will also be physical. Horizon should ensure that public transport provision is of a sufficient standard and connects areas of relatively high deprivation with the power station site.</p> <p>Relevant ILDP policies: Strategic Policy PS 5: Sustainable Development, Strategic Policy PS 13: Providing opportunity for a flourishing economy</p> <p>Relevant SPG guiding principles: GP 1: Supporting the Anglesey Energy Island Programme and Anglesey Enterprise Zone, GP 2: Local Job Creation and Skills Development</p> | <p>More investigation and quantification of displacement effects is required from Horizon. Actions to ensure that vacancies within the health and social care sectors are filled. Early investment in STEM and careers advice.</p> |
|                  |                             |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>Horizon should deliver continued education, skills and career support into the operational phase.</p>                                                                                                                           |
|                  |                             |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>Horizon should fund the provision of public transport provision connecting areas of deprivation to the main site at both construction and operational phases.</p>                                                               |
|                  |                             |                       | <p><b>The effect of climate change on the well-being of communities</b></p> <p><b>Construction:</b></p> <p>Construction of the station will create carbon emissions which do contribute to climate change. Given the size and scale of the project these emissions are relatively significant when compared against other types of construction projects. Opportunities to reduce carbon emissions include the creation of the proposed site campus which would reduce vehicle movements to the site, and the MOLF which would reduce the number of vehicle movements along the highway.</p> <p>The comprehensive provision of public transport, a commitment to high quality cycle provision (more extensive use of cycle lanes with regard to the A5025) and changing facilities could provide additional benefit.</p> <p><b>Operation:</b></p> <p>The project is intended to generate low carbon electrical power. Horizon states that it will have the capacity to generate up to 3,100 MWe, enough to power 5.5</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>Horizon should extend upon the existing cycle lane proposed for A5025 which appears to only feature in one section.</p>                                                                                                         |



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IACC Requirements for further contributions                                                                                                                                                                                                   |
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|                  |                             |                       | <p>million homes. The amount of carbon saved through generation is approximately 84 MtCO<sub>2</sub>e taking into account the energy used to build and operate the station<sup>18</sup>. This project would reduce the carbon emissions over the equivalent grid average. Climate change is acknowledged as having the potential to disproportionately affect the poor. At a macro-level climate change can affect food production, result in more serious and more frequent droughts or floods all which potentially affect those with fewest resources the most. With regard to Wales climate change predictions suggest a rise in temperature by 2-2.5oC by 2050, rising to over 3oC in 2080 which could have implications for thermal comfort, hot-weather health problems and cooling energy demand during the summer. It may also cause potential changes to local tourism and the economy.</p> <p>Relevant JLDP policies: Strategic Policy PS 5: Sustainable Development, Strategic policy PS 6: Alleviating and adapting to the effects of climate change, Strategic Policy PS 8: Proposals for national significant infrastructure projects and related developments</p> <p>Relevant SPG guiding principles: GP 19: Mitigating climate change, GP 20: Adapting to climate change</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                               |
|                  |                             |                       | <p><b>2. Residents who are healthy and independent with a good quality of life</b></p> <p><b>Health and care of adults</b></p> <p>The project could have direct and indirect effects upon health and care. Indirect effects could result from poorer air quality, noise and generalised stress arising from construction activities. These and other causation factors are identified within the Project Health Impact Assessment. Effects upon care could arise as a result of displacement, with the current health and social care workforce attracted to higher paid jobs associated with the project.</p> <p>As noted above, there is a need to support the training and re-introduction into work of local residents to back-fill these roles. Positive health effects would arise as a result of gaining improved employment and mitigation of potential adverse effects through the stated provision of 'fun trails' and other enhancement to the public footpath network around the site.</p> <p><b>Operation:</b></p> <p>The provision of 850 long-term jobs should support the health of those employed and their wider household. Other beneficial effects identified within the Project Health Impact Assessment are the benefits of a safer A5025 and the beneficial effects of an uninterrupted and affordable energy supply. The Council would not wish to be drawn upon whether the supply could be considered affordable, particularly as the mechanism for funding the project and the price guarantee it seeks, have yet to be agreed with Government.</p> <p>Relevant JLDP policies: Strategic Policy PS 5: Sustainable Development, Relevant SPG guiding principles: GP7 Protecting Health, GP 8 Supporting Healthy Lifestyles</p> | <p>Request that Horizon quantify the HIA assumption that future energy supply will be affordable, particularly to those in fuel poverty. Are there measures that could be taken by Horizon to support initiatives targeting fuel poverty?</p> |

<sup>18</sup> Wylfa Newydd Power Station Development Consent Order, Carbon and Energy Report, [https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN010007/EN010007-001733-8.15%20Carbon%20and%20Energy%20Report%20\(R%20Rev%201.0\).pdf](https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN010007/EN010007-001733-8.15%20Carbon%20and%20Energy%20Report%20(R%20Rev%201.0).pdf). Accessed 06/08/18.



| Local well-being         | Initial project development                                                                                                                                                                                                                                                                                                            | Review of the project                                                                                                                                                                                 | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IACC Requirements for further contributions                                  |
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|                          |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                       | <p><b>The welfare and achievement of children and young people</b></p> <p><b>Construction:</b></p> <p>Welfare is closely linked to the consideration of poverty which has been set out above whilst the positive and negative effects upon children could be primarily environmental and social. Environmental effects could include poorer air quality in the communities immediately adjacent to the site, the impacts of noise generated by construction activities and the increase in vehicle movements particularly before the mitigation measures proposed by Horizon are in place. Social measures include the potential impacts upon local service provision and facilities as a result of up to 3,000 workers coming to live in the local housing market and potential effects upon education if schools become over-subscribed. The project will potentially give rise to positive effects for children. These will come from the job opportunities provided to parents and initiatives to promote STEM, skills training and the provision of careers advice.</p> <p><b>Operation:</b></p> <p>Improved welfare in the widest sense, will be influenced by measures to address climate change (see above). During the lifetime of the operational phase the provision of skilled jobs will benefit children within the households of those employed at the site and it will improve the employment prospects of future generation as they move into higher and further education if initiatives to promote STEM and engineering skills continue into the operational phase.</p> <p>Relevant JLDP policies: Strategic Policy PS 5: Sustainable Development, Strategic Policy PS 8: Proposals for national significant infrastructure projects and related developments, Strategic Policy PS 13: Providing opportunity for a flourishing economy, Policy ISA 3: Further and higher education development</p> <p>Relevant SPG guiding principles: GP 6 Maintaining and Enhancing Community Facilities and Services.</p> | See previous observations on education and skills, access to employment etc. |
| Public Body's objectives | Identify which objectives are directly relevant to your project. What are the main elements of the objectives relevant to your project, and how will your project support these? How can you ensure that your project can positively contribute to the objectives (the duty is to take 'all reasonable steps' to meet these objective) | Return to your well-being objectives, and ensure that you have considered how you could maximise the contribution of your project to the relevant objectives, and in turn the seven well-being goals. | <p>The IACC's well-being objectives are discussed earlier in this report. All of the objectives are directly relevant to Wylfa Newydd to some degree. This section identifies how the elements of the project align with the objectives.</p> <p><b>1. Create sustainable communities by developing a thriving and prosperous economy that offers the opportunity for every resident, irrespective of background, to succeed.</b></p> <p><b>Construction:</b></p> <p>There is significant potential for the project to support this objective providing it is planned, monitored and delivered appropriately. The construction phase proposes that up to 9,000 jobs be created with approximately 2,000 taken by local labour. Representing approximately 22% this is a proportion lower than that estimated for Hinkley Point C – a comparable nuclear power station and a</p> <p>Horizon is to support the local labour market to access the construction job opportunities. Support training, particularly at NVQ level 4+ STEM subject, NVQ level</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                              |



| Local well-being                                                                                                                                                                                                                                   | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IACC Requirements for further contributions                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <p><i>Your project does not undermine such objectives</i></p> <p><i>Identify any overlaps with the local well-being objectives of the PSB (above) - going through the five Ways of Working (see Table below) will also help you with this.</i></p> |                             |                       | <p>proportion lower than proposed in pre-application consultation. The Council would wish to see measures in place to maximise local labour and to promote employment opportunities of higher value as this would support the objective of a thriving economy and maximise opportunities for employment.</p> <p>The construction of the power station will also benefit the supply chain. The project promoter anticipates that between 2%-4% of total production costs could be spent locally. This could have significant positive impacts upon the local economy. Measures to deliver the higher end of this range should be identified and committed to.</p> <p><b>Operation:</b></p> <p>The project anticipates that up to 85% of the operational jobs will be taken by local people. This should be a minimum target with aspirations for 100%. This target should be monitored over time. In addition to day-to-day operations routine maintenance during planned outages could require an additional 1,000 workers. The type of jobs required, qualifications and roles should be set out and targets put in place to ensure that the local workforce is in a position to take advantage of these opportunities.</p> <p>With regard to overlap between this objective and those of the PSB it is clear that there is consistency with PSB Objective 1 which relates to the effect of poverty on the well-being of communities.</p> <p>Relevant Strategic Policy contained within the JLDP includes Policy PS 5: Sustainable Development, Strategic Policy PS 8: Proposals for NSIPs and Related Developments, Strategic Policy PS 10: Wylfa Newydd and related development and PS 13: Providing opportunities for a flourishing economy. Relevant Wylfa Newydd SPG 2018 Guidance includes GP1 Supporting the Anglesey Energy Island Programme and Anglesey Enterprise Zone which seeks a procurement strategy that enables local businesses to access supply opportunities, supply chains maximised and education and training provided.</p> <p><b>2. Improve families' and children's long term prospects by ensuring that every child has the best start in life, are safe and healthy and that all pupils, irrespective of background or age, reach their potential.</b></p> <p><b>Construction:</b></p> <p>Indirect positive effects arising from construction related activities are likely to be generated as a result of the employment opportunities referenced under the previous objective. Employment is an important determinant of health and well-being and is associated with improved living conditions and the potential to make healthier choices both of those employed and of the households within which they live. The project Health Impact Assessment considers that it would have minor beneficial benefits for the general population extending to major beneficial for particularly sensitive groups. (HIA Paragraph C9.21-9.22).</p> <p>Opportunities to maximise the ability of the local population to access employment opportunities as set out in the preceding objective assessment are equally applicable here.</p> <p>Enabling children to have the best start in life requires that they have access to good education as well as living in a safe and healthy environment. The Council has expressed concern with regard to the potential increase in school rolls resulting from the arrival of the construction workforce. The Project-wide Socio-economic assessment suggests that there is likely to be sufficient total capacity</p> | <p>3 construction and engineering. It should raise the local labour target of 22% in respect of the associated sites where the construction skills are more likely to match those already in the local economy.</p> <p>Horizon should liaise with IACC to ensure that additional school places particularly at primary level are provided in advance of demand.</p> <p>Horizon should fund IACC to monitor Welsh language educational needs at</p> |



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IACC Requirements for further contributions                                          |
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|                  |                             |                       | <p>but that this will be reduced to almost nil in West Anglesey (it is unclear to the Council as to how this area is defined). The Council is of the opinion that the project promote must ensure that funding is provided to both monitor and address any potential capacity issues in affected schools and should include core funding for additional capacity before children arrive. Funding should also be provided for Welsh Language immersion. Horizon states that it will provide funding through the Community Impact Fund should the Council be able to demonstrate an effect.</p> <p><b>Operation:</b></p> <p>The Project-wide Socio-economic assessment provides very little consideration of the implications of the operational workforce's demand for school education other than stating the effects would be not significant. It will be clearly important to ensure that the educational support provided during the construction phase to help the existing and future workforce (children/students) to access project-related job opportunities is maintained such that there is a constant flow of local workers over the 60 year operational lifetime of the power station.</p> <p>There is an overlap between this objective and Objective 2 of the PSB. Additionally, IACC's reasons for selecting this objective link to a number of the issues and objective noted in the Draft Local Well-being Plan. This includes recognition of the importance of employment, skills and training (linked to PSB Objective 1).</p> <p>Relevant Strategic Policy contained within the JLDP includes Strategic Policy PS 5: Sustainable Development, Strategic Policy PS 8: Proposals for NSIPs and Related Developments, Policy ISA 3: Further and higher education development. Relevant Wylfa Newydd SPG 2018 Guidance includes GP2 Local Job Creation and Skills development, GP 6 Maintaining and Enhancing Community Facilities and Services and GP7 Protecting Health.</p> | <p>primary and secondary school level and provide funding for immersion classes.</p> |
|                  |                             |                       | <p><b>3. Protect and enhance the natural and built environment by securing good quality modern infrastructure to suit individual and business needs alike.</b></p> <p><b>Construction:</b></p> <p>This objectives recognises that modern infrastructure can be neutral or positive in its effects upon the natural built environment providing it is properly designed, planned and executed. The project promoter has undertaken an environmental impact assessment or the project-wide effects and the effects arising from the individual project components. Where potentially significant effects have been identified mitigation and/or compensation has been identified. Significant effects are still however predicted to occur. Key biodiversity effects include the potential loss of the on-site Tre'r Gof SSSI and potential effects upon the Anglesey Terns / Morwenolaid Ynys Môn SPA and Cemlyn Bay SAC. Mitigation measures including the cessation of potentially disrupting work at certain times of the year and the provision of a compensation site should reduce the level of effect and demonstrate that the design of this modern infrastructure project is giving consideration to its environmental effects.</p> <p>There are potentially significant effects upon the historic built environment. For example Horizon's proposals include for the partial loss of the Cestyll historic park and garden and could affect the historic asset group at Felin Gafnan. The Cultural heritage Chapter of the Main Site Environmental Statement concludes that effects could be significant. Furthermore a substantial amount of</p>                                                                                                                                                                                                                                                                                                                                      |                                                                                      |



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IACC Requirements for further contributions                                                                                                                                                                                                  |
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|                  |                             |                       | <p>archaeological investigation has been required of the site in advance of works taking place. The potential for direct or indirect effects upon certain historic assets is inevitable given the type of development proposed and its siting. The project promoter has sought to mitigate certain aspects through pre-construction excavation of archaeology and proposes a vibration risk assessment with regard to Felin Gafnan to establish safe working distances.</p> <p>With regard to Cestyll gardens Horizon would work with landowners and other interested parties to consider appropriate enhancement measures such as improve interpretation and enhanced public access.</p> <p><b>Operation:</b></p> <p>The operation of a modern, low carbon power station generating electricity for a period of up to 60 years will reduce the level of carbon emissions to the atmosphere when compared with the current energy mix. Reducing the pace of climate change will have beneficial effects upon the natural and built environment over those that might otherwise occur. For example, Cadw suggests that climate change could lead to greater levels of erosion, affecting archaeological assets, severe weather could damage historic buildings and historic landscapes may suffer cumulatively from a number of small changes to their vegetation, farming practices historic features.<sup>19</sup> Such effects could be reduced as a result of reductions in carbon emissions. The project promoter has proposed to create ecological receptor, compensation and enhancement sites as a result of primarily construction-related effects. Ongoing habitat management throughout the operational phase should ensure the environmental benefits which these sites could provide will be maintained for the lifetime of the project. Historic environment mitigation identified by Horizon includes greater access to Cestyll Gardens and greater interpretation.</p> <p>Relevant Strategic Policy contained within the ILDP includes Strategic Policy Strategic Policy PS 5: Sustainable Development, Strategic Policy PS 7: Renewable energy technology, Strategic Policy PS 8: Proposals for National Significant Infrastructure Projects and Related Developments, Strategic Policy PS 14: The visitor economy. Relevant Wylfa Newydd SPG 2018 Guidance includes GP 21 Conserving and Enhancing the Natural Environment and GP 23 Conserving and Enhancing the Historic Environment.</p> <p><b>4. Ensure the supply of affordable, high quality housing and manage supply in order to develop resilient bilingual communities that promote the language and culture to ensure the long-term future of the Welsh language as an asset for the island.</b></p> <p><b>Construction:</b></p> <p>The construction phase of the project anticipates that up to 9,000 workers will be required at peak. Horizon's assessments assume that approximately 20% of the workforce will come from the existing local labour market with other workers living either in temporary accommodation provided by Horizon, or accommodation within the local housing and tourism accommodation sectors.</p> | <p>Horizon should be required to commit to habitat management of the ecological receptor, compensation and enhancement sites throughout the operational phase of the project and is secured through LHMS.</p> <p>Refer to Opportunity 5.</p> |

<sup>19</sup> Cadw. Climate Change and the Historic Environment of Wales: A summary of potential impacts.

[http://cadw.gov.wales/docs/cadw/publications/Climate change and the historic environment of Wales EN.pdf](http://cadw.gov.wales/docs/cadw/publications/Climate%20change%20and%20the%20historic%20environment%20of%20Wales%20EN.pdf). Accessed 02/08/18



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IACC Requirements for further contributions                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|                  |                             |                       | <p>Potentially up to 4,000 workers are proposed to be accommodated within the temporary on-site site campus. Horizon propose this as a means of mitigating otherwise potentially significant effects upon the local housing and tourism markets. The Council is concerned, firstly to ensure that the 4,000 bed spaces are provided that they are provided on time and that they are occupied by construction workers. Secondly it requires that the residual effects arising upon the local housing market be properly mitigated. The Council is particularly concerned about the private rented sector and the potential for construction workers to displace local residents. Tourism is a major part of the local economy and competition for accommodation between visitors and the construction workforce could affect the tourism economy. Horizon proposes a Housing Fund with monies to implement mitigations and also to monitor where the workforce is living.</p> <p>The Council would wish to see monitoring extended to consider the effects of the workforce upon the local housing market, potentially increases in average rents, house prices, rather than merely the location and accommodation types chosen. Similarly mitigations need to be in place before effects are felt. Delivery of the site campus must be phased ahead of worker demand and further discussion and clarification is required with regard to the submitted Phasing Strategy.</p> <p>Impacts upon the local housing market could result in local people struggling to find accommodation. This could lead to a displacement of local, often welsh-speaking, residents particularly from communities close to the proposed power station site. This could have detrimental effects upon the cultural of the island.</p> <p><b>Operation:</b></p> <p>The project promoter, Horizon predicts that 87% of the construction workforce will live locally. Potentially up to 850 workers will be required to operate the power station meaning that 740 will be Anglesey residents<sup>20</sup>. At planned outages the workforce will temporarily increase by up to 1,000. Provision sufficient skills training, education and wider support is in place the Council would anticipate that many of the workforce would come from existing communities and be resident in the area. As such, the provision of long-term relatively well paid jobs should support local communities and investments in services and facilities (such as local schools). It should be possible to accommodate any additional operational worker providing the mitigation measures delivered via the Housing Fund during the construction phase are retained as legacy (empty homes back into use, provision of affordable local housing etc) and that the local housing supply increases in line with JLDLP projections</p> <p>There is an overlap between this objective and Objective 1 of the PSB, in particular the priority areas relating to the Welsh language and homes for local people.</p> <p>Relevant Strategic Policy contained within the JLDLP includes Strategic Policy PS 1: Welsh language and culture, Strategic Policy PS 2: Infrastructure and Developer Contributions, Strategic Policy PS 5: Sustainable Development, Strategic policy PS 16: Housing provision, Strategic policy PS 17: Settlement strategy and Strategic policy PS 18: Affordable housing. Relevant Wylfa</p> | <p>Horizon needs to provide additional granularity to the submitted Phasing Plan, particularly with regard to the phasing of the site campus. IACC requires monitoring of patterns within the local housing market as opposed to purely the type and location of accommodation chosen by the workforce. IACC requires that the Housing Fund has sufficient monies to deliver a range of initiatives and is retained into the operational phase of the project to deliver legacy.</p> |
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<sup>20</sup> Wylfa Newydd Power Station development Consent Order Chapter C1 Socio-economics: [https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN010007/EN010007-001398-6.3.1%20C1-Socio-economics%20\(R%201.0\).pdf](https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN010007/EN010007-001398-6.3.1%20C1-Socio-economics%20(R%201.0).pdf). Accessed 02/08/18



| Local well-being | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                    | IACC Requirements for further contributions |
|------------------|-----------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
|                  |                             |                       | Newydd SPG 2018 Guidance includes GP 9a Maintaining and Creating Cohesive Communities, GP 10a Permanent Housing, GP 11 Latent Supply and GP 14 Maintaining and Strengthening Welsh Language and Culture. |                                             |



## **Appendix E   Framework Assessment Part 2 - Five Ways of Working**



| Ways of working                                                                                                                                   | Initial project development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <p><b>Long-term:</b></p> <p>the importance of balancing short-term needs with the need to safeguard the ability to also meet long-term needs.</p> | <p>Start designing your project from an understanding of how Wales might be different several generations from now, and what your long-term vision is (referring back to the goals).</p> <p>Identify the long-term, future trends and scenarios, challenges and opportunities that are most relevant to your project. These might be social, economic/political, environmental, cultural or technological and include known (e.g. ageing population, depleting natural resources), and those with a higher level of uncertainty (e.g. jobs and skills needed in the future). You may want to consider techniques such as back-casting, foresight and horizon scanning. You can refer to a range of resources including the Welsh Government's Future Trends report, the World Economic Forum's Global Risks report, "Now for the Long-term" (the Report of the Oxford Martin Commission for Future Generations) and any relevant information on future trends contained in your local wellbeing assessment</p> <p>How do these trends affect your project, and what impact could your project have on these trends?</p> <p>How does your project mitigate, facilitate or make the most of these trends?</p> <p>How can you embrace long-term opportunities, recognising potential short-term needs? (You have to use the five Ways of Working to resolve potential conflicts)</p> | <p>Return to the trends you identified initially.</p> <p>Consider how realistic the underlying assumptions are about future trends: If these assumptions are found to be incorrect – how useful is your project in addressing future challenges in Wales?</p> <p>Consider how sustainable the project will be over its lifespan:</p> <p>How does the project support long-term well-being of people in Wales?</p> <p>Will the project be self-sustaining, or require significant additional or different resources?</p> <p>Consider what will happen to the project at the end of its proposed lifespan:</p> <p>For example:</p> <p>Can the materials be reclaimed / re-used / re-purposed?</p> <p>Can capacity be retained?</p> | <p>Future trends relevant to Anglesey and Wylfa Newydd have been reviewed as part of the development of the baseline context for the project, summarised in these Appendices.</p> <p>The key trends identified include:</p> <p><b>Social and cultural – demographic change, cultural diversification, poverty reduction, welsh language</b></p> <p>A key demographic change identified within the Gwynedd and Anglesey Well-being Plan is that the population is ageing. The number of young people resident in communities is declining and the changes in demographics is giving rise to implications for service provision, the economy and housing in particular. Over 25% of the Anglesey population is aged over 65 which is a figure higher than the Wales and UK average with the working age population proportionately lower. Population projections suggest that by 2022 Anglesey's total population will begin to decline from over 70,000 to approximately 68,000 in 2039. This is reflective both of a falling birth rate but also reducing net migration into the UK. The population is also relatively dispersed with the council area categorised as a 'rural local authority'<sup>21</sup>. This also has implications for service provision. 94.77% of people were recorded as being White British in the 2011 census compared to 92% in Wales as a whole.</p> <p>The 2011 census showed that approximately 57% of people in Anglesey speak Welsh which is a figure significantly greater than Wales as a whole. However, trends indicate a decline in the number of Welsh speakers.</p> <p>The construction phase of the project will have significant direct and indirect effects upon the trends identified. The Council's own population projections prepared to inform its spatial planning suggest that the predicted population decline may be prevented as a result of new economic opportunities provided both by the project and also cumulatively with other Energy island projects. Similarly, the estimated peak of 8,500 construction jobs (with Horizon assessing a figure of up to 9,000) and a commitment to local labour suggests that there will be significant employment opportunities which should encourage people to stay on or return to the Island. This may have positive implications for the use of the Welsh Language. Given the size of the construction workforce required for the project it is inevitable that a substantial number of workers will come from off the island, and potentially abroad. This is likely to increase cultural diversity.</p> <p>Whilst a smaller number of people will be employed during the operational phase the project nevertheless provides secure, long-term well paid jobs for a minimum of 60 years. Furthermore, planned outages will increase the size of the workforce short-term providing economic opportunities to the local accommodation sector for example.</p> <p>The retention of high quality jobs will support local communities into the future, safeguarding the Welsh language, particularly if sufficient and relevant training and skills provision is provided.</p> <p>Environmental – climate change, pressure on biodiversity and habitats, waste management</p> <p>Future trends associated with climate change suggest that the UK as a whole is getting warmer and that the warming is greater in the summer than in winter. For Wales the central estimate is a temperature rise of 2-2.5°C by 2050, rising to over 3°C in 2080<sup>22</sup>. This will have implications for hot-weather health, and a possible increasing in cooling energy demand. During winter there may be lower demands for heating, lower transport disruption and less winter illness. Changes to the climate have the potential to affect the local environment and biodiversity. These effects could include changes to species' habitats and ranges and could give rise to greater threats from invasive species. Sea levels are predicted to rise as a result of climate change leading to enhanced coastal erosion and inundation of low lying areas. Winters are likely to get wetter leading to greater risk of flooding. Climate change could give rise to increased damage to infrastructure particular as a result of increased weather events.</p> |

<sup>21</sup> Rural and urban areas: comparing lives using rural/urban classifications (ONS, 2011)

<sup>22</sup> Climate Change Strategy for Wales, Welsh Assembly Government (2010)



| Ways of working | Initial project development | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                 |                             |                       | <p>The future trends in municipal waste arisings are expected to increase at a very low rate to 2050. Recycling rates have improved in recent years and are likely to continue to do so up to a point at which almost all recyclable materials are collected and processed. Current waste management facilities should be sufficient to manage the waste arising generated by the construction workforce.</p> <p>The construction phase of the project is unlikely to make a substantial impact upon the need to mitigate climate change. There are opportunities to reduce embedded carbon through the choice of certain construction materials and travel by means other than car could be promoted to a greater extent than it appears at present. For example, electric charging points could be provided at the site campus and park and ride whilst the construction workforce could be transported on electric or hybrid shuttle buses. Construction activities will increase pressure upon species and habitats which might already be suffering from the effects of climate change. Mitigation measures may reduce effects but the success or otherwise of these measures will require close monitoring and potentially additional mitigations, in the opinion of the Council.</p> <p>Construction waste will be minimised, segregated and re-used where possible. The project's construction will be guided by the Code of Construction Practice and sub Codes. The way in which construction waste is managed could be improved and potentially better secured through a specific waste management plan.</p> <p>Operation of the power station represents the generation of significant amounts of low carbon energy. This will have positive implications for addressing climate change over an alternative fossil fuel based generation mix. Ongoing maintenance of ecological areas both on and off-site should provide habitats for protected species throughout the lifetime of the power station and beyond.</p> <p>The generation of industrial, commercial waste during the operational phase will be kept to a minimum in line with good practice. Nuclear waste will be dealt with through the appropriate regulatory mechanisms.</p> <p><b>Economy – economic and income growth, jobs, skills and education</b></p> <p>In 2016 70% of the population of Anglesey were employed with 5.7% unemployed. Unemployment is at a rate higher than the Wales average of 4.1% for the same period. Average earnings are consistently lower on Anglesey than the UK average but similar to the rest of Wales. The Island experiences a net outflow of commuters with approximately 9,800 commuting out and 2,400 commuting in, this figure for 2016 representing an increase over the 2001 level. Anglesey residents out-perform the North Wales average for higher level skills but under-perform for those categorised as low-level. In 2016 the largest business sector was Agriculture, forestry and fishing followed by construction and Accommodation and Food services.</p> <p>The project forms part of the Anglesey Energy Island Programme, established by the IACC to support development of communities, businesses and infrastructure<sup>23</sup>. The scale of potential investment on Anglesey in low carbon energy is unprecedented. Economic modelling undertaken on behalf of the Council<sup>24</sup> linked to the Energy Island as a whole (and separate from any assessment of effects resulting from the project) indicates that the manufacturing and hotel/leisure industries will not be significantly affected but that there will be positive impacts upon the utilities and construction sectors particularly if appropriate skills are made available through investment in training. With a relatively small working population and a potentially high demand for local skills and services (2,000 for example would represent over 10% of the existing workforce) there is the realistic potential to raise average salaries, attract additional people into the workforce and encourage retraining. The potential loss of workers to Wylfa could however lead to difficulties filling vacant posts in lower paid positions and there is a need for the project to consider supporting both the retraining of workers to undertake jobs not directly</p> |

<sup>23</sup> IACC (2017) Energy Island Background. Accessed March 2018 at <http://www.anglesey.gov.uk/business/energy-island-isle-of-anglesey-north-wales/background/>

<sup>24</sup> Energy Island and Enterprise Zone – Reassessment of Legacy Targets, Benefits and Outcomes, URS and ESYS Consulting Ltd. July 2012



| Ways of working                                                                                                    | Initial project development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Review of the project                                                                                                                                                                                                                        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| <b>Prevention:</b><br>prevent problems occurring or getting worse<br>may help public bodies meet their objectives. | <p>Start from a broad consideration of the types of problem that your project could help prevent in the future e.g. social, economic, cultural, environmental or something specific.</p> <p>What are the root causes that your project could help to address?</p> <p>How does your project support the breaking of negative cycles and/or intergenerational challenges such as poverty, poor health, environmental damage and loss of biodiversity? Refer to the local well-being assessments.</p> <p>How could your project minimise its own negative impacts e.g. minimising waste and resource use, emissions and air quality, social / community cohesion?</p> | <p><i>Return to the problems and negative cycles that you identified that your project could address.</i></p> <p><i>Consider the assumptions underlying your project:</i></p> <p><i>Is your project reliant on other interventions being in place to address the causes of long-term cycles alongside your project?</i></p> <p><i>What are the conflicts emerging between different aspects of well-being and sustainability and how are these being resolved?</i></p> | <p>required by the project and also to support services to enable people to return from work, for example the provision of childcare facilities.</p> <p>At the operational stage there will be fewer jobs but these will be long-term lasting for a period of 60 years. 1,000 jobs would still represent 5% of the local workforce assuming that most if not all would live on Anglesey. The capacity of the existing nuclear workforce on the island should therefore be retained.</p> <p>Wylfa Newydd has the potential to mitigate the following types of problem:</p> <p><b>Social &amp; Cultural</b></p> <p><b>Construction:</b></p> <p>The wider Well-being assessment has identified a number of baseline problems associated with social and cultural matters. These include projected population decline, a reducing younger population, greater requirements for services and facilities and at the same time a continued reduction in public funding. Culturally the Welsh language continues to be a significant factor in the identity of the local communities but the number of Welsh speakers has continued to fall.</p> <p>During the construction phase the project has the potential to indirectly respond to some of the problems cited. Whilst the substantial proportion of the construction workforce will be from off-island there will be a significant demand for local skills. This should support the local economy, encourage young people to stay and work on the island and thereby reduce the predicted future problems. The project should not be considered in a vacuum however. There are a number of additional economic initiatives taking place across the island as part of the Energy Island Programme. A number of these initiatives are individually smaller in scale but together should help to support the development of the local economy. A strong economy can support local communities but there may also be negative effects associated with this phase of the project. Worker demand for housing for example could lead to a displacement of existing tenants in the private rented sector and raise house prices in the owner occupied sector. Measures to mitigate these effects include the potential Housing Fund provided by Horizon which could be used to bring empty homes into use, improve the quality of existing PRS and build new properties for example. To any non-welsh speaking workers in a small local community could give rise to local tensions. Horizon's mitigation which is essentially the construction and occupation of a 4,000 bed campus can help to prevent such problems but only if it is delivered in a phased manner beginning at the start of the project.</p> <p><b>Operation:</b></p> <p>The long-term presence of the power station and the number of jobs it will provide for at least two generations could be key in supporting local communities providing their residents have access to the jobs created. Education and training will therefore be critical to enable the current and future workforce to take advantage of the employment opportunities which will be on offer during the operation of the site.</p> <p>Retaining local people on the Island, provide high quality, well rewarded jobs should promote community identity and retain welsh speakers. It should therefore address the problem of native welsh speakers leaving the Island to find work elsewhere.</p> <p><b>Economic</b></p> <p><b>Construction</b></p> <p>Economic problems or challenges include the relatively small size of the workforce, the lack of certain skills and a slightly higher than average unemployment rate. The project can help to address these issues but will only be successful in doing so if training and skills development is initiated before the start of the construction process. Without considerable upskilling, there is a danger that the new employment created might not impact upon inactivity rates and unemployment as much as might be expected. Similarly there is a need to provide support facilities to enable those currently outside of the workforce to move back in to it.</p> <p><b>Operation</b></p> |



| Ways of working                                                                                                                                                                                          | Initial project development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Review of the project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <p><b>Integration:</b><br/>considering how public bodies' wellbeing objectives may impact upon each of the well-being goals, on their other objectives, or on the objectives of other public bodies.</p> | <p>Start by considering how your project aims could impact on your organisation's well-being objectives and other public bodies well-being objectives and Local Well-being Plans (see Part 1 above).<br/>How does your project address issues identified in the relevant Assessment of Local Well-being (produced by the local PSB) and/or Well-being Plan (see Part 1 above)?<br/>Do you understand the other duties and policies at local and national level which may have relevance to your project? How could your project connect different public policy / strategic agendas, to break down silo-working and generate co-benefits e.g. how can a transport project support improvements in health, culture, worklessness. How can your project</p> | <p>Return to how your project integrates with other public bodies well-being objectives. Consider the projects impact on the seven well-being goals (Part 3 below will help you to do this):<br/>Which of the well-being goals does your project directly contribute to? How can your project maximise its contribution to all of the goals by aligning with relevant public body strategies and well-being objectives? What measures are in place to ensure that the project continues to positively contribute to the well-being goals throughout its life?</p> | <p>Wylfa can impact on the well-being objectives set by other public bodies which operate in the area. The objectives set and published by IACC are set out below with reference made to those also prepared by relevant public bodies including those of Natural Resources Wales, Public Health Wales and the Gwynedd and Anglesey Public Service Board.</p> <p>Anglesey Wellbeing Objectives 2017/18:</p> <p><b>1. Create sustainable communities by developing a thriving and prosperous economy that offers the opportunity for every resident, irrespective of background, to succeed.</b><br/>This objective aligns with NRW's Objective 6 which promotes successful and responsible business, using natural resources without damaging them.<br/>During both the construction and operation phases of the project there will be significant opportunities for economic development. The large number of jobs created by the project should provide opportunity to the local communities but in order for such opportunities to be realised it will be necessary to provide appropriate education and skills training and to provide support services enabling those returning to work to receive the support they need. Without a significant proportion of local people in the workforce there will be an even greater number of workers coming to the Island from the mainland. This could impact upon community cohesion if not properly managed.</p> <p><b>2. Improve families' and children's long term prospects by ensuring that every child has the best start in life, are safe and healthy and that all pupils, irrespective of background or age, reach their potential.</b></p>                                                                                                                                                                                                                                                                                                                            |



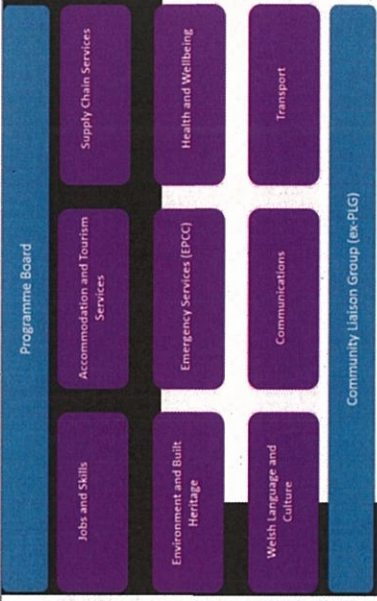
| Ways of working | Initial project development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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|                 | <p>support other duties including for example the Public Sector Equality Duty, UN Convention on the Rights of the Child (CRC), Welsh Language Standards?</p> <p>Further guidance, e.g. Toolkit on WFGA and UNCRC commitment from Children's Commissioner, is available on:</p> <p>Children's Commissioner</p> <p>Equalities and Human Rights Commission</p> <p>Welsh Language Commissioner</p> <p>Older People's Commissioner</p> <p>What practical steps will you take to integrate your project with existing plans and strategies of other public bodies to maximise the project's contribution across the seven well-being goals?</p> <p>Consider each of the seven well-being goals and identify any risks of negatively impacting on other public bodies well-being objectives (noting likelihood of negative impacts accumulating over time).</p> <p>Repeat the exercise looking for the positive impacts and the potential for multiple benefits (Part 3 below on Goals will assist you further).</p> |                       | <p>Aligning with the PSB's objective to mitigate the long-term effects of poverty; that services are planned for the older population to meet local needs and preventative measures taken to enable people to lead healthy lives. Further alignment with PHW's objectives to improve mental well-being and improve resilience, promote healthy behaviours and supports measures aimed at prevention and early intervention. NRW's fifth objective which is to help people live healthier and more fulfilled lives. The provision of high quality, well paid jobs can have a positive effect upon people's health and well-being. It will therefore be essential that the project puts in place measures to ensure that local people have access to the full range of opportunities available rather than be focussed towards the lower skilled jobs. A proportion of workers coming to Anglesey will bring with them their families. It is therefore important that the Council understands the potential for demands upon its education services so that appropriate planning and capacity building can be in place. Healthy lifestyles can be supported by providing good levels of access to the natural environment, as recognised by NRW. Horizon references within its HIA the provision of fun trails and elsewhere in this assessment reference has been made to measures which could encourage greater use of public footpaths and cycleways.</p> <p><b>3. Protect and enhance the natural and built environment by securing good quality modern infrastructure to suit individual and business needs alike.</b></p> <p>Aligns with NRW objectives to ensure that land and water is managed sustainably and in an integrated way, to reduce the risk to people from environmental hazards such as flooding and pollution and to promote successful and responsible business using natural resources sustainably. The project represents high quality, low carbon infrastructure. It does not use fossil fuels to generate electricity and is located outside of areas of land prone to flooding. The sites associated with the main site are also free from flooding although the proposed park and ride could give rise to flood events unless properly managed. Given the nature of the project it is inevitable that there will be adverse effects upon the natural and built environment at both construction and operational levels. The majority will be caused by construction and the mitigation and compensation measures set out within the Environmental Statement must be secured to the satisfaction of the Council.</p> <p><b>4. Ensure the supply of affordable, high quality housing and manage supply in order to develop resilient bilingual communities that promote the language and culture to ensure the long-term future of the Welsh language as an asset for the island.</b></p> <p>This IACC objective aligns with the PSB's objective to increase the use of the Welsh language and to ensure more suitable and affordable homes in the right places. The project is unlikely to provide a significant boost in the supply of new housing. The proposal to construct a site campus for construction workers is seen by Horizon as a way of mitigating effects upon the local housing market although the Council remains concerned about the effects that could be felt upon the private rented sector in particular. An influx of workers looking for accommodation, and with accommodation allowances could displace existing tenants if there is insufficient capacity. This could be a particular problem within the North Anglesey communities. The establishment of a Housing Fund to encourage the re-use of empty homes, and potentially some limited new build, amongst other initiative should be secured. Initiatives will also need to be in place early in the construction lifecycle in order to prevent problems occurring. The project includes for monitoring the accommodation choices of the construction workforce, this monitoring should be extended to include for the potential effects upon the local housing market. Average rents and house prices should be monitored along with levels of homelessness for example.</p> <p>The potential displacement of local residents could affect community cohesion and reduce the levels of Welsh spoken if they are replaced by non-welsh speakers. Horizon has undertaken a Welsh Language Impact Assessment which recognises that increases in house prices as a result of the construction phase could affect the ability of local, welsh speaking people to live locally (north and west Anglesey) thereby giving rise to a moderate adverse effect upon Welsh Language and Culture.</p> |



| Ways of working                                                                                                                                                                    | Initial project development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Review of the project                                                                                                                                                                                                                                                                                                                                        | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                              | Operational effects are likely to be less significant upon the housing market. The workforce is likely to be permanently accommodated within local communities and over time will contribute to their resilience.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p><b>Collaboration:</b></p> <p>acting in collaboration with any other person (or different parts of the body itself) that could help the body meet its well-being objectives.</p> | <p>Start by considering who are the key stakeholders from a range of related sectors and disciplines who could support the development of this project.</p> <p>Identify these key stakeholders early so that collaboration can be productive and meaningful.</p> <p>Does your range of stakeholders include public, private and third sector organisations as well as some 'unusual suspects' who may be able to bring ideas and solutions to the table which you hadn't thought about?</p> <p>How will key stakeholders be involved in supporting the development of the project, and at which stage of the project?</p> | <p><i>Return to your key stakeholder list. Which groups/bodies have you identified who are working towards similar goals around sustainability and well-being?</i></p> <p><i>What mechanisms are in place to ensure this collaboration is effective?</i></p> <p><i>How will you ensure that collaboration continues through the life of the project?</i></p> | <p>Key stakeholders include the Isle of Anglesey County Council, Natural Resources Wales, the North Wales Fire and Rescue Service, North Wales Police, Welsh Government and the Gwynedd and Anglesey PSB.</p> <p>Stakeholders have been given the opportunity to comment on the project as it has evolved through a number of statutory and non-statutory consultations. The project documentation includes a Consultation report which sets out in detail how engagement activities have been undertaken, the responses received and the changes made to the project. In addition to bodies and organisation, consultation has been held with members of the public and other interest groups. The extent to which stakeholders will feel that they have been involved in the projects development will be dependant to some extent upon their individual remits and whether they are statutory bodies. The Council is of the opinion that whilst it has been listened to that the project has perhaps not evolved to the extent it would have liked particularly with regard to the concept of legacy.</p> <p><b>Construction:</b></p> <p>Mechanisms to ensure that collaboration is effective is set out within the documentation which forms the application for the project. It includes the development consent order requirements which require the consent of the Council for many matters of detail following the grant of permission. Requirements cover for example the provision of codes of construction and operational practices which themselves set out approaches to collaboration across many topic areas. The level of detail contained within some of these codes is perhaps not to the level expected by the County Council. The project promoter is proposing a Programme Board which will provide oversight to a number of sub-boards. The topics covered by the various sub-boards are set out overleaf<sup>25</sup>.</p> <p>It is understood that stakeholders will be represented on the various sub-boards and that this will provide a mechanism for their continued collaboration as the project moves forward.</p> |

<sup>25</sup> Taken from Horizon Nuclear Power Wylfa Newydd Project 8.22 Equality Impact Assessment: [https://infrastructure.planninginspectorate.gov.uk/wp-content/uploads/projects/EN010007/EN010007-001744-8.22%20Equality%20Impact%20Assessment%20\(R%201.0\).pdf](https://infrastructure.planninginspectorate.gov.uk/wp-content/uploads/projects/EN010007/EN010007-001744-8.22%20Equality%20Impact%20Assessment%20(R%201.0).pdf). Accessed 01/08/18



| Ways of working | Initial project development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Review of the project                                                                                                                                                                                                                                                                                                      | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                            |  <p><b>Operation:</b></p> <p>Given the size and nature of the project it is inevitable that collaboration with key stakeholders will continue throughout the operational phase. This collaboration will extend to specific operational collaboration, most notably with NRW, IACC, the HSE and ONR but will also involve collaboration of elements of the project not directly related to the operation of a nuclear power station, such as the ongoing monitoring and management of the various ecological sites.</p> <p>The need for the project has been established at the national level and is set out within the National Policy Statement for Nuclear Generation EN-6. Volume 1, paragraph 2.2.1 states:</p> <p>The IPC should therefore assess applications for new nuclear power stations on the basis that the need for such infrastructure has been demonstrated<sup>26</sup></p> <p>The national need for nuclear power is a combination of the need for electrical power generated using low carbon means in order to reduce emissions to atmosphere and hence mitigate climate change. Key stakeholders in this regard extend to both the national and international level.</p> <p>The needs and requirements of local communities remain important. Horizon as project promoter, has undertaken a number of baseline assessments to understand the characteristics of the areas which the project might affect. It has considered well-being effects in the context of health and reported its assessment within the Health Impact Assessment (HIA) submitted with the application. There is no explicit reference within the HIA to formally identified local needs in the context of well-being.</p> <p>Need at the local, council level can be obtained from the JLDP, the adopted Wylfa Newydd SPG and within certain topic papers and associated studies produced to inform them. Simplified, need is presented within the Vision for the Plan area which is set out within the JLDP<sup>27</sup>, that is:</p> <p>By 2026, Anglesey and Gwynedd will be recognized for their vibrant and lively communities that celebrate their unique culture, heritage and environment and for being places where people choose to live, work and visit.</p> <p>Horizon has consulted with a range of local and national stakeholders through the evolution of the project leading to its submission. Engagement has been consultative in the case of local citizens.</p> |
|                 | <p><b>Involvement:</b></p> <p>the importance of involving people with an interest in achieving the well-being goals, and ensuring that those people reflect the diversity of the area which the body serves</p> <p>Start by considering how well you understand the needs, and lived experiences, of citizens who will be affected by this project, and how you will use this to inform consideration of the need for the project. Consider which methods you might use for drawing on lived experiences and who might be able to help with this. Participation Cymru's National Principles for Public Engagement is a good starting point.</p> <p>Consider how you will engage stakeholders with different forms of expertise, knowledge and backgrounds, including how you will understand the needs of the broader population and those not represented by specific interest groups.</p> <p>How well do you understand the needs and challenges of people in the area? Well-being Assessments will give some insight.</p> | <p>Return to how your project will involve citizens and stakeholders:</p> <p>How has the project been shaped by key stakeholders affected by the project, and particularly their needs and challenges?</p> <p>How will key stakeholders affected by the project continue to influence the project throughout its life?</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

<sup>26</sup> Dept of Energy and Climate Change, National Policy Statement for Nuclear Power generation (EN-6) Volume 1 of 2. [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/47859/2009-nps-for-nuclear-volume1.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/47859/2009-nps-for-nuclear-volume1.pdf). Accessed 01/08/18.

<sup>27</sup> Anglesey and Gwynedd Joint Local Development Plan (31 July 2017): <https://www.gwynedd.llyw.cymru/en/Council/Documents/Council/Strategies-and-policies/Environment-and-planning/Planning-policy/Anglesey-and-Gwynedd-Joint-Local-Development-Plan-Written-Statement.pdf>. Accessed 01/08/18



| Ways of working | Initial project development                                                                                                                                                                                                                                                                                                                                                                                  | Review of the project | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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|                 | <p><i>Identify the key stakeholders affected directly and indirectly by the project. How will stakeholders be involved in the identification of the need for this project, and how will it be informed by their needs? How will key stakeholders be involved in the design and development of the project? How will key stakeholders be involved in the delivery and / or oversight of this project?</i></p> |                       | <p>Participation Cymru's ten National Principles for Public Engagement<sup>28</sup> have not been explicitly followed or referred to in the Consultation Report which accompanies the project application. However principles concerning engagement the provision of opportunities to influence; the importance of comprehensive engagement, the appropriateness of planning and of timing have been adopted. Similarly information used during consultation has been provided in Welsh and English has been jargon free written in a non-technical manner. Consultation events have taken place across a range of times and locations.</p> <p>Horizon's approach to statutory community consultation on the project is outlined in the Statement of Community Consultation (SoCC) Three stages of statutory consultation have been undertaken:</p> <p>PAC 1 (September – December 2014):</p> <p>PAC 2 (August – October 2016):</p> <p>PAC 3 (May – June 2017):</p> <p>In addition there were a number of informal consultations and project updates. Opportunities were presented to local citizens to influence the design but these have been focussed upon very specific areas of the project with many elements closed off by Horizon.</p> <p>The Council has commented within its Adequacy of Consultation Representation<sup>29</sup> that it has concern with the length and scope of the PAC3 consultation but that overall it was satisfied that Horizon has complied with the requirements of the Planning Act 2008.</p> <p>In view of the above, the project has engaged with local citizens in line with its SOCC. Impact assessments undertaken by the project promoter have considered the issue of well-being (most notably the HIA) and sought to profile baseline environmental, social and economic conditions. The concept of local needs does not appear to have been established and the ability of local citizens to influence the project have been limited to specific, distinct areas.</p> |

<sup>28</sup> National Principles for Public Engagement in Wales: <https://participation.cymru/en/principles/>. Accessed 01/08/18

<sup>29</sup> IACC Adequacy of Consultation request. <https://infrastructure.planninginspectorate.gov.uk/wp-content/uploads/projects/EN010007/EN010007-001788-IACC's%20Adequacy%20of%20Consultation%20Response%20FINAL%20ENG.pdf> Accessed 01/08/18



## **Appendix F   Framework Assessment Part 3 - Seven Well-being Goals**



| Aspect of the Act/<br>definition                                                                                                                                                                                                                                                                                                                                                                                      | Meeting the Act at a strategic level                                                                                                                                                                                                                                                                                                                                                                                    | Designing your proposal to support the intentions of the Act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IACC Requirements for further contributions                                                                                                                         |
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| <b>Prosperous:</b><br>An innovative, productive and low-carbon society which recognises the limits of the global environment and therefore uses resources efficiently and proportionately (including acting on climate change); and which develops a skilled and well educated population in an economy which generates wealth and provides employment opportunities, allowing people to take advantage of the wealth | How will this project push infrastructure provision in a more sustainable, innovative direction?<br>How will this project open up opportunities for new business sectors and production of public goods?                                                                                                                                                                                                                | How will this project innovate to meet the challenges, and take advantage of the opportunities, set by the relevant trends identified when thinking about the 'long-term' in the Ways of Working?<br>Is your project modular, and could it be adapted to a changed Wales in future?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>The project will involve the development of a modern nuclear power station with innovative Advanced Boiling Water Reactor (ABWR) technologies. The development and operation of the power station requires a highly skilled workforce.</p> <p>The project, and the wider Energy Island Programme, has opened up opportunities in Anglesey to develop innovative technologies. The project has indirectly led to construction of the Menai Science Park (M-SParc) in Gaerwen. The science park includes research and development laboratories and workshops. There are plans for a thermal hydrological testing facility which could offer a potential base for Hitachi Nuclear Energy (Horizon).</p> <p>Additionally, the project is leading to investment in high technology education and training. For example, a training partnership with global nuclear training provider Tecnatom and Hitachi looks to develop workforce capability in nuclear technology, and specifically, ABWR in North Wales with links to Bangor University and development of new nuclear elements into courses.</p> <p>Anglesey must capitalise on these investment opportunities in innovative technologies to ensure that long term and sustainable benefits are delivered on the Island.</p> | Horizon should work with IACC and Bangor University to develop opportunities at M-SParc, Gaerwen to capitalise on the establishment of the innovative business hub. |
| How will it support the growth of local supply chains and low-carbon business sectors?<br>How will the project address current needs as well as recognising future generations needs?<br>If this project could have negative impacts on parts of the local economy (e.g. reduced costs of transporting goods damaging viability of local supply chain) how could you think about resolving any potential conflicts?   | How will this project support productivity e.g. building local supply chains, supporting economic resilience through diversity, or providing energy through a thriving renewables sector?<br>If this project could have negative impacts on parts of the local economy (e.g. reduced costs of transporting goods damaging viability of local supply chain) how could you think about resolving any potential conflicts? | <p>The project will provide a low carbon source of power that will be operational for 60 years. This will provide a lasting benefit for current and future generations. During construction the ES<sup>30</sup> states that expenditure in the local economy is likely to be between £200m and £400m based on benchmarking of other new nuclear builds. Delivery of the supply chain charter to maximise benefits is therefore key to realising potential increases in GVA on the Island and to supporting an increase in economic activity rates which are lower on Anglesey than within neighbouring Gwynedd.</p> <p>There is concern that the project will lead to displacement of employees in similar sectors (particularly construction) and those within more low paid and seasonal work. Additionally, those already employed in skilled positions at small and medium enterprises in Anglesey may be drawn to the project which will leave a skills and employee gap for local businesses.</p> <p>Enabling support of science, technology engineering and mathematics (STEM) education and backfilling of those employees lost to the project through the effective implementation of the Wylfa Newydd Employment and Skills Service (WNES)<sup>31</sup> is therefore crucial to ensuring local employers are supported to secure the staff they require to sustain their businesses. Mitigation is required to ensure that the local labour market and employers are also supported.</p> <p>Implementation of a robust Supply Chain Charter is therefore critical to sustaining local business.</p> <p>Negative effects on tourism industry are likely with the concentration of construction activity in North Anglesey likely to have a disproportional effect.</p> | <p>Secure delivery of the Supply Chain Charter (through the Supply Chain Action Plan that will be actioned by a Supply Chain Service and Supply Chain Portal - through S106 agreement) with effective monitoring of implementation critical to retaining economic resilience.</p> <p>Horizon should work with IACC to support a supply chain officer based in IACC to support local firms bidding.</p> <p>Support for the 'backfilling' of posts where employees have moved to work for Horizon through the WNESS.</p> <p>Horizon should support initiatives to development low carbon business clusters particularly amongst the supply chain.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                     |

30 Horizon Nuclear Power (2018) Wylfa Newydd Project: 6.3.1 Environmental Statement Volume C – Project Wide effects – Socio-economic, page 42

31 Horizon Nuclear Power (2018) Wylfa Newydd Project – 8.3 Jobs and Skills Strategy, page 40



| IACC Requirements for further contributions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                          |
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| ES <sup>32</sup> states that a Tourism Fund would support members and where effects are linked to the project are nds. However, the implementation of funding to address and leave lasting impacts on the tourism. Measures should effectively addressed which may require front loading to ted before lasting impacts are felt on tourism.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                          |
| e project is being brought forward in response to the UK to delivering a sustainable, low carbon energy sources generations. The project is considered to have net carbon s the amount of carbon emissions through its operation as ource than are to be in expended in construction, operation ing construction the project will draw in workers from id. As part of the Horizon's proposals, 4,000 of the on the Site Campus, close to the site of the power station of North Anglesey. This is proposed to limit travel ing construction. In addition, the project proposes a Park Hir. At the operation phase the ES states that the expected to be based on Anglesey (see Table 1). onal park and ride sites in appropriate locations further may provide additional sustainable transport benefits. ter should explore the legacy benefits presented by and ride provision following the construction phase. The arm benefits for the communities of Anglesey, | Horizon should support the provision of additional park and ride facilities, including within neighbouring Gwynedd, to provide sustainable travel choices during construction.<br>Additional opportunities to reduce carbon footprint during the construction and operational phases should be explored. |
| oment has been established by the UK Government licy Statements EN-1 and EN-6. The delivery of the > financial resources linked to ongoing negotiation ic investment between the project promoter and the UK ely, the costs to the taxpayer are established on the price of power.<br>IACC has concerns over the potential loss of this feature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                          |

ect Wide effects – Socio-economic . page 59

[://www.gov.uk/government/speeches/statement-to-parliament-on-horizon-project-at-wylfa-newydd](https://www.gov.uk/government/speeches/statement-to-parliament-on-horizon-project-at-wylfa-newydd)



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IACC Requirements for further contributions

Information (see the detailed consideration under Table 1  
Material resource impacts can be minimised by locally sourcing materials, adopting construction techniques to reduce emissions and resource consumption.

generation of industrial, commercial waste during the  
e kept to a minimum in line with good practice (as set out  
construction Practice<sup>35</sup>). Radioactive waste arising from the  
dealt with through the appropriate regulatory

Assessment identified the need for good quality local jobs in  
evidence demonstrates that Anglesey generally has lower  
ss Wales and the UK as a whole. Furthermore,  
higher than North Wales, Wales and the UK. Although  
re generally improved across North Anglesey they are  
nd average than Welsh average.

Horizon should work with IACC to identify opportunities to deliver a joined-up approach to the development of the education/skills base across the Island to support the operational phase, in combination with the wider Energy Island Programme.

will generate significant employment opportunities across  
discussed in Table 1 under Measure 7 and Table 2 under  
ty to access these employment is vital to ensuring that  
ment in training and skills in central to achieving this.  
f Wylfa Newydd is expected to last 60 years. In  
as operational for nearly 45 years. The opportunities to  
sustainable, long term employment are therefore apparent.  
t that such opportunities are open to all members of the  
on and skills training needs to be maximised to ensure  
lation and in particular the local North Anglesey  
d to benefit from, and secure, lasting employment.

ated by the project to deliver local skills development,  
re considered across many of the assessments in Table 1

le 1 PSB Local Wellbeing objectives, IACC are  
oes not full account for the likely increase in pupil roll  
roject during construction. Mitigation measures must be  
sues can be dealt with effectively prior to there being  
on the capability of the education service to provide

Refer to Requirement 25 in main report.



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IACC Requirements for further contributions

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>umber of school leavers who are not in employment, EET) compared to neighbouring Gwynedd and Wales. vestment in training and education at Grŵp Llandrillo ted by Horizon through committed investment<sup>36</sup>. t that broader support is in place to support other partnership with the relevant organisations. t in STEM education will support lasting skills .sectors. Horizon is engaged in the 'Dyfodol/Futures' programme to support education in Anglesey and north to support STEM can encourage students to pursue areers in engineering and related disciplines, which will projects of this nature. ills Strategy is due to be secured through planning e secured and implemented.</p>                                                                                                                                                                                                                                                                                                           | <p>Refer to Requirement 40 in main report.</p>                                                                                                                  |
| <p>lude the provision of green/open spaces. The project sation sites to compensate for the potential loss of Tre'r site will not enable recreational access. hat there will be effects of users of walking routes along a s of Way (PRoWs), with the loss of a number of PRoWs to erection of the perimeter fence, the permissive route r Station access road and the Wylfa Nature Trail. Parts of VCP) will be permanently diverted. Provision should of the community are able to access the alternatives put fa Head will remain. pact Assessment (EcIA)<sup>38</sup> notes that enhancing and n space is central to the objectives of IACC's Strategic 20) and the Wylfa Newydd SPG. The EcIA notes that the d would be the mechanism to provide funding to offset acts on open space. The Community Impact Fund would ism to address effects arising on local leisure services. e the public realm and open spaces in the communities of l be most directly affected during construction (Cemaes explored.</p> | <p>Horizon should identify and find with IACC opportunities to improve public amenity space in communities closest to site, e.g. within Cemaes and Tregale.</p> |
| <p>to support further employment opportunities in wildlife roject will involve the creation of ecological ver, this is likely to be via financial contributions</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>The implications for agricultural businesses should be considered and monitored.<br/>Horizon should to managing the proposed</p>                             |

Public access and recreation



## and Habitat Management Strategy with no direct

to assess the effect on agricultural businesses in  
from changes to eligibility for agri-environment schemes

habitats and ecology are out in the Table 1 under measure to the compensatory sites being brought forward the initial loss of Tre'r Gof SSSI, a protected site within the unlegislate. The effects are considered in the ES.<sup>41</sup> Overall, tion of the Landscape and Habitat Mitigation Strategy biodiversity benefit from development of the main site lusions over the effectiveness in the long term are

ects of climate change NPS 6 Vol II establishes the  
it at the main site and flood risk was a major  
tegric siting assessment. The project is accompanied by a

Freshwater ecology

ial and freshwater ecology, page 35

Refer to Requirement 35 in main report.



LACC Requirements for further contributions

assessment (as appendices to the ES) with sequential and iterative approaches to demonstrate compliance with policy. The ES for critical infrastructure to be in Flood Zone A (lowest works, water compatible uses, in Flood Zone C (highest the EIA takes account of storm events and precautionary measures (for year 2087). The project is considered to not raise issues elsewhere.

project development accounts for climate change with a number of climate change factors including coastal erosion and drier summers, more intense storms and severe temperature changes. The project design for the power station and climate change up to the year 2183.

good across the Island. The ES<sup>44</sup> chapter covering air quality there are predominantly negligible adverse effects in the context of the A5025. When bypasses are introduced there would be meaningful beneficial effects for those areas affected by traffic. Negligible adverse effects are considered in the context of the A5025 concentrations although the Council is of the view that there be potential effects to receptors along the A55. The project 2017-2018 also show national increases in NO<sub>2</sub>.

Horizon should consider the employment of mental health professionals at the site campus.

the environmental assessments B1 – Introduction to the assessment process

city-wide effects - Air quality effects of traffic



| LACC Requirements for further contributions |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                               |
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| ry                                          | <p>itive annual reductions since 2010. The project Code of Practice<sup>45</sup> is the method of monitoring of air quality during and physical health, there is a clear potential for increases as a result of impacts upon residential amenity – especially noise particularly – or perhaps more indirectly as a result of poor housing, a lack of suitable people for certain jobs, etc. The project HIA could go further in addressing these issues.</p> <p>up to 4,000 workers being housed at the main site community of Cemaes, North Anglesey. The provision of services by Horizon, as committed to in the HIA. This is intended to consideration of mental health professionals.</p> | <p>The provision of locally sourced, healthy food options at site campus should be considered by Horizon.</p> |
|                                             | <p>ectly support sustainable access solutions for the community. It is noted that there will be provision of foot/cycle paths of the A5025 as discussed under the local wellbeing issues and the HIA references 'fun trails'. This will provide further ways of cycling between certain North Anglesey locations.</p> <p>o reference to the food provision at the onsite campus. To accommodate up to 4,000 workers at peak construction. There is also the provision of healthy fresh food at the campus whilst in the supply chain.</p> <p>ited further to maximise opportunities to support the lifestyles amongst construction workers and provide direct employment to suppliers.</p>     | <p>Refer to Requirement 25 with a focus upon vulnerable groups.</p>                                           |
|                                             | <p>nationally as priority location for the investment. The site is designated as an Enterprise Zone with ten sites across the region.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               |



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IACC Requirements for further contributions

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| <p>l by the Energy Island Programme to drive investment in</p> <p>from deprivation. Over half of the 44 of the Lower Super in the Island are within the 50% most deprived in Wales Index of Multiple Deprivation (WIMD). The most entrated within Holyhead and Llangefni with Morawelon ig within the 10% most deprived LSOAs in Wales.</p> <p>/ perform particularly poorly in relation to the access to 1 out of 44 LSOAs within the 10% most deprived is recognised that the project will bring employment not be accessible to those within deprived areas.</p> <p>s from the project, those who will employed directly on due to the wider investment taking place on the Island, he project (as set out above). This is particularly positive ning and education has enabled lasting employment to be</p> <p>pected across a range of sectors.</p> <p>se housed within the private rental sector, on unsecured ix of workers during construction is a particular concern. se directly affected whilst also affecting service providers ial rented stock.</p> <p>ctor is also likely to experience effects. As discussed esely linked to the qualities which draw visitors to the l and coastal). The Tourism Fund needs to be adaptable to arly disturbance to assets during the construction phase. nities are closest to the main Wylfa Newydd development d on during construction. The impacts will be varied and re landscape through to dust, noise and vibration. Horizon ation measures to address effects.</p> <p>nsidered in the project Equality Impact Assessment<sup>46</sup>. The ian and minority ethnic groups (BAME), the elderly, esented groups to be differentially affected by perceptions owever, the analysis could go further about the potential</p> | <p>The supply chain mechanism proposed by Horizon should consider the role that social enterprises and employee owned businesses can play.</p> |
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IACC Requirements for further contributions

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| <p>ses, residents, interest groups and hard-to-reach groups) ent of the project.<sup>47</sup></p> <p>rovide equally for Welsh and English languages as part of ll members of the community will be able to make roject proposals as part of the examination. The IACC mpact Report which will set the agenda for the ly, the S106 agreement will be signed with IACC. IACC democratic representatives.</p> <p>pply Chain Charter as the mechanism to actively support Island. The mechanism by which the supply chain is e how social enterprises and employee owned businesses n accessing direct and indirect opportunities presented by</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>Refer to Requirements 33 and 34 in main report.</p> |
| <p>project may encourage employment opportunities which ; for those in deprived areas (particularly recognised as eas of Holyhead and Llangefni). However, access to eas is of paramount importance. Appropriate levels of on to enable physical access to places of work. As well as ity to access opportunities via the internet is central to in more deprived areas. The development of high speed ; is central to building social capital. The provision of aces and after school clubs, is also critical in enabling ies for those who are often marginalised.</p> <p>lraft anti-poverty strategy. IACC should ensure it strategy.</p> <p>tive and negative effects arising from construction nities. The use of services and facilities could help offices and public houses, particularly in North Anglesey its in terms of promoting the availability of services. The ort community resilience.</p> <p>negative effects in terms of deterring those living in host ; these facilities and use by construction workers may ; delivered.</p> <p>i of the impact of construction workers in the area could of the area as a tourism destination.</p> |                                                        |



| Aspect of the Act/<br>definition | Meeting the Act at a strategic level                                                                                              | Designing your proposal to support the intentions of the Act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IACC Requirements for further contributions                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  |                                                                                                                                   | <p><i>How will this project support local amenities and strengthen social relationships?</i><br/> <i>For example:</i><br/> <i>Will it make local businesses and amenities more or less viable?</i><br/> <i>How will improved transport links positively and negatively impact diverse groups?</i></p>                                                                                                                                                                                                                                                                                      | <p>In the long term through the operation phase, the project will help sustain lasting employment opportunities on the Island as a major employer. This will help support the production of sustainable communities.</p> <p>During operation, travel movements in the north east of Anglesey may be improved due to the improvements to the A5025 between Dalar Hir and the Wylfa Newydd site. This will support access to businesses and amenities in the area in the long term.</p> <p>However, during the construction phase, access via and along the A5025 will be affected which may have indirect effects on business viability and community cohesion.</p> <p>The project should explore opportunities to support public transport for related development sites and supporting services to positively support efficient transport links.</p> | <p>Horizon should support public transport for related development sites and supporting services.</p>                                                     |
|                                  | <p><i>How will your project support communities to be more cohesive, locally viable, well-connected, safe and attractive?</i></p> | <p><i>How will this project make public space feel safer and more welcoming, particularly for children, older people, people with disabilities, women and other groups to ensure diverse and lively public space.</i><br/> <i>If this project is creating new public space - e.g. parks and woodlands - how will local people be involved in its management to build social ties and increase local cohesion?</i><br/> <i>How will this project support the key themes within the Ageing Well in Wales programme e.g. developing age-friendly and dementia supportive communities?</i></p> | <p>Formal public space, parks or gardens are not being provided as part of the project.</p> <p>The project could help support improvements to existing open spaces and recreation areas particularly in close proximity to the site, e.g. within Cemaes. The Community Impact Fund is proposed by Horizon to be secured through SI06. The fund might enable effects to be mitigated and the opportunities to utilise this mechanism should be explored.</p> <p>The Wales Coast Path is being permanently diverted around the main site. As noted above, the provision of paths that enable access for those of all abilities should be secured as part of the project.</p>                                                                                                                                                                            | <p>Refer to Requirement 11 in main report.</p>                                                                                                            |
|                                  |                                                                                                                                   | <p><i>How will this project create neighbourhoods that are pleasant to live and work in? For example, infrastructure that makes it easier to move around locally (e.g.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                             | <p>As discussed above, the Wylfa Newydd project has the potential to impact the amenity of North Anglesey through the inevitable visual and landscape impacts associated with the construction of the Wylfa Newydd site. North Anglesey communities close to the main site, such as Cemaes and Tregele will feel these effects most keenly.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>Horizon should work with IACC to identify and fund opportunities for street furniture/public realm improvements in Cemaes and other local centres.</p> |



| Aspect of the Act/<br>definition                                                                                                                                                             | Meeting the Act at a strategic level                                                                                                                                      | Designing your proposal to support the intentions of the Act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IACC Requirements for further contributions                                                           |
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|                                                                                                                                                                                              |                                                                                                                                                                           | <p>cycleways); quality green public space; green infrastructure; good design. How will this project design these features in partnership with the community to meet their needs and desires for the area/ space? This could include the design concept, the design of street furniture, and involvement of local artists as well as residents. How will this project improve the physical appeal of local spaces, whilst compensating for any potential negative impacts?</p>                                                                                                                                                                                                                                                                                                                       | <p>Although the site campus is proposed as a self-contained accommodation centre, the project will at times see construction workers using facilities of nearby settlements. There are opportunities to explore the potential for improvements to street furniture/public realm improvements in Cemaes (e.g. the park/riverside walk).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                       |
| <p>Vibrant culture:<br/>A society that promotes and protects culture, heritage and the Welsh language, and which encourages people to participate in the arts, and sports and recreation</p> | <p>How will this project contribute to a culturally vibrant Wales, recognising the potential direct and indirect impacts on Welsh communities and the Welsh language?</p> | <p>Consider the direct impacts of this project.<br/>How will this project retain and enhance local cultural and language opportunities, e.g. providing new venues e.g. art/ music/dance studios, sports facilities, arts festivals, museums/galleries, live music venues (cinemas), protecting and maintaining established ones; supporting local artists and traditional builders by involving them in the design of the project and new bits of public space.<br/>How will this project ensure that these opportunities are accessible to all, e.g. affordable, public transport accessible, have disability access.<br/>Consider the indirect impacts this project might have on the sustainability of local cultural diversity. This is about the behaviours that your project may trigger.</p> | <p>The project has the potential to help retain the working age population in Anglesey, through the provision of skilled jobs during the construction and over the life time of the operational phase as a major employer on the Island. Additionally, this may also provide opportunities to encourage those who have left the Island to return and take up the employment opportunities offered. This could help support and sustain facilities that are important to maintaining the culture and language of the Island.<br/>The Welsh language is central to the cultural wellbeing of the Island and forms of the rich cultural heritage associated with living in Anglesey. As discussed above in sections in relation to the Local Wellbeing Objective in Table 1, the ES suggests that overall the project will have a neutral effect on Welsh language and culture due to the presence of beneficial and adverse effects. These negative effects are associated with the influx of workers, particularly during construction. Although there are limited opportunities to promote the culture of Anglesey within the project, the visitor centre that will support the site during operation is one such opportunity. The visitor centre should ensure that it includes appropriate displays and interpretation about the importance of culture and history of the Island.</p> | <p>The visitor centre should include displays and interpretation of the rich culture of Anglesey.</p> |



| Aspect of the Act/<br>definition                                | Meeting the Act at a strategic level                                                                                                                                                                                                                                 | Designing your proposal to support the intentions of the Act                                                                                                                                                                                                         | Assessment commentary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IACC Requirements for further contributions                                                                                                                                                                                                     |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                 | How will this project contribute to a culturally vibrant Wales, recognising the potential direct and indirect impacts on Welsh communities and the Welsh language?                                                                                                   | How will this project affect nearby natural or other heritage sites?<br>What impact does your project have on the overall landscape of the area?<br>How will this project increase accessibility of local heritage sites?                                            | <p>The development of the main site will have an impact on local heritage assets which contribute to Anglesey's vibrant culture. The project promoter assesses the effects in the ES.<sup>48</sup></p> <p>The ES notes that construction of the main site is predicted to affect 204 of 514 archaeological remains. Effects on 47 remains has been assessed to be of major adverse significance, effects on 6 of moderate adverse significance, 72 of minor adverse significance and 79 of negligible significance.</p> <p>The ES notes that construction would have a permanent physical effect on Cestyll Garden Grade II Registered Historic Park and Garden through the removal of the kitchen garden, the plot of land where Cestyll House formerly stood, and part of its Essential Setting. The ES considers the magnitude of the effects to be large and significance to be major adverse.</p> <p>The ES notes that effects of major adverse significance have been identified for one historic building. Moderate adverse effects for seven during construction, minor adverse effects for 111 buildings, and 28 are considered to be of negligible significance.</p> <p>As noted previously in Table 1 there would be localised landscape effects from construction and ongoing through operation and effects on the AONB. The LHMS is vital in delivering effective mitigation for the project.</p> <p>The project would not promote greater accessibility to heritage assets.</p> <p>Opportunities may exist to provide enhanced signage and interpretation. The visitor centre should ensure that the history of the area is demonstrated.</p> <p>Additionally, enhanced access to Cestyll Gardens could be explored which is the longer term may attract more visitors to North Anglesey.</p> | <p>Refer to Requirement 11 in main report</p> <p>Refer to Requirement 5 in main report.</p>                                                                                                                                                     |
|                                                                 | How will the project increase local access for all to arts, sports and recreational activities?<br>Can the scheme make extra investments which offer more arts, sports and recreational activities opportunities that are affordable and accessible to local people? | How will the project increase local access for all to arts, sports and recreational activities?<br>Can the scheme make extra investments which offer more arts, sports and recreational activities opportunities that are affordable and accessible to local people? | <p>The project will not directly provide increased access to arts, sport and recreational activities. As discussed above, it is important that alternative walking routes for the footpaths affected are open for people of all abilities to ensure they are as accessible as possible.</p> <p>The project proposes to provide a Tourism Fund as mitigation for effects on tourism during the construction and first two years of operation. As discussed previously above in Tables 1 and 2, it is important for IACC to ensure that the suggested mitigation is in place in sufficient time to address negative effects before there are lasting negative effects on the tourism offer.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>Horizon should support IACC to identify opportunities to invest in tourism on parts of the Island away from the main Wylfa Newydd development area to support displaced visitors.</p> <p>Ensure Tourism Fund is secured and implemented.</p> |
| Globally responsible:<br><b>A globally responsible Wales. A</b> | How will this project offer global leadership or innovation in sustainable infrastructure?<br>How can your project follow national or international                                                                                                                  | Consider:<br>What Wales is bringing in from the rest of the world<br>e.g. responsible purchasing (sustainable and ethical /                                                                                                                                          | <p>The project will provide a low-carbon energy source for 60 years of operation. This will support Wales's role in providing sustainable energy production from low-carbon and renewable sources.</p> <p>The project will draw on local and global supply chains during construction. The project should explore opportunities to minimise the embodied carbon in the</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>Horizon should identify opportunities to use materials with low embodied carbon during construction from sustainable sources.</p>                                                                                                            |



| Aspect of the Act/<br>definition                                                                                                                                                                                                                                                       | Meeting the Act at a strategic level                                                                                                                                                                                                                                                              | Designing your proposal to support the intentions of the Act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Assessment commentary                                                                                                                                                                                                                                                                                                           | IACC Requirements for further contributions |
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| nation which, when doing anything to improve the economic, social, environment al and cultural well-being of Wales, takes account of whether doing such a thing may make a positive contribution to global well-being and the capacity to adapt to change (for example climate change) | innovative sustainable infrastructure models?<br>How will this project contribute to a system where resources used and greenhouse gas emissions can be brought down?<br>How has this project so far, and how will it continue to, build on best practice in sustainability from around the world? | <i>Fairtrade sourcing, global supply chains); the volume of resources that Wales is consuming (both in the development of the project and the behaviours that it will induce).<br/>And what Wales is putting out into the world based on our unique qualities e.g. developing sustainable, low-carbon technologies; providing a positive example of how infrastructure projects can integrate and promote wider well-being. Overall, how is your project impacting the rest of the world - ecological footprint, reducing greenhouse gas emissions, both in its production and its use?</i> | construction materials used for development of the project, both within the main site and related sites.<br>Additionally, the proposed sustainable procurement practices as set out in the Carbon and Energy Report <sup>49</sup> needs to be implemented to embed sustainable procurement behaviours through the supply chain. |                                             |

<sup>49</sup> Horizon Nuclear Power (2018) Wylfa Newydd Project – 8.15 Carbon and Energy Report, pages 49-51





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YNYS MÔN  
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COUNTY COUNCIL

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