

19.0

Cumulative impacts



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19.1 Introduction

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This section discusses any potential cumulative impacts that the construction and operation of the development may contribute to the surrounding area..

A summary of each section of the ES is given in the table 19.1 on the following page with any cumulative impacts associated with that section discussed together with protection / mitigation measures where any residual effects are identified.

EIA Section Number	EIA Section Title	Details of Cumulative Impacts	Mitigation Proposed	Residual Effects
1	Introduction	N / A	-	-
2	Project Rationale and Project Benefits	N / A	-	-
3	Site Selection, Technology Selection and Project Description	N / A	-	-
4	Methodology	N / A	-	-
5	Drainage and Flood Risk	The proposed development will not have any direct process discharges to the Milford Haven Waterway, with rainwater harvesting utilised across the site. Existing drainage service connections will be utilised for the site. With respect to flood risk, the site does not lie within a flood plain and will not increase the risk of flooding at off site locations.	None	None
6	Planning Policy	N / A	-	-
7	Contaminated Land	The proposed development will be constructed under the CDM regulations and via a detailed Construction and Environmental Management Plan (CEMP) which is anticipated to be a standard pre commencement condition attached to the planning permission. The CEMP will require approval by the Local Authority and other regulators such as NRW prior to the commencement of any works.	Implementation of CEMP	None
8	Air Quality	ADMS modelling has utilised background air quality data for the Milford Haven area. Existing development has therefore been considered and incorporated into the assessment undertaken. There are currently no further developments proposed or under construction which have not been included in the assessment. The BIEF facility will utilise rigorous gas clean-up systems is expected to be subject to continuous air monitoring as part of the Environmental Permit which will be required from NRW to operate the site.	Implementation of proposed abatement systems and compliance with Environmental Permit	None
9	Landscape and Visual Impact	The Landscape and Visual Impact Assessment has considered the impact of the proposed development on receptors around the site. The colour and type of cladding/sheeting to be utilised will be discussed and agreed with the Local Planning Authority. It is expected that this will be covered under a standard planning condition. There are no know developments adjacent to the proposed developments which could create a cumulative visual impact.	None	-
10	Ecology	Several ecological surveys for various flora and fauna have been completed during the preparation of the EIA to establish a detailed background dataset for the development site, which has been supplemented by historical surveys. The surveys identified a number of protected species including bats and otters. There has been extensive vandalism of the site which had become severely overgrown and consequently there is opportunity to provide ecological enhancement The aim of the proposed enhancement scheme is not only to mitigate any impact from by the redevelopment of the site, but to achieve improvement and ongoing monitoring and maintenance of habitat. The ecological mitigation, enhancement and ongoing monitoring proposals will be contained within an ecological management plan that will be prepared for the development and which is anticipated as a pre commencement planning condition that will be attached to the planning permission. Any impacts from the construction of the development would be covered by the Construction and Environmental Management Plan (CEMP). The proposed development has been assessed against the existing site background and there are no other schemes known which could create a cumulative impact with respect to ecology.	Management Plan for the site. Agreement and implantation of the CEMP for construction works.	-

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11	Noise and Vibration	<p>A noise assessment has been undertaken for the proposed development and identified that there will be no increase in background noise at the nearest sensitive receptors.</p> <p>Noise generating plant has been located as far from receptors as practicable and is sited within fully enclosed buildings and within soundproofed containers where required.</p> <p>The noise assessment incorporates existing background noise levels which includes all surrounding development. It is expected that a requirement for periodic noise monitoring and/or compliance with noise limits would form a standard planning condition associated with the development.</p> <p>There are no other projects known that could cause a cumulative impact with respect to noise.</p>	<p>Location of noise generating machinery carefully chosen during design process.</p> <p>Utilisation of soundproofing where required.</p> <p>Noise monitoring undertaken and noise limits complied with.</p>	None
12	Traffic and Feedstock Logistics	<p>Traffic surveys have been undertaken around the development during the preparation of the EIA. During the preparation of the chapter, one potential cumulative impact was identified in the construction works being undertaken by Dragon LNG at Waterston.</p> <p>The potential cumulative impact of the additional traffic movements that these works are likely to generate was assessed and discussed within the Traffic ES chapter and it was shown that an adverse effect would not be caused.</p> <p>There are no other known projects which could cause a cumulative impact.</p>	None	None
13	Services and Utilities	<p>Existing service and utility suppliers have been contacted during the preparation of the planning submission and it has been identified that there is sufficient capacity and availability of utilities to service the proposed development.</p> <p>There are no other known projects which could cause a cumulative impact.</p>	None	None
14	Grid Connection	<p>The BEF facility will require a new cable which will connect to the National Grid substation at Pembroke Power Station to export electricity generated by the facility.</p> <p>The cable will be laid within a borehole that will be drilled by directional drilling under the Haven. This will be regulated via a Marine Works Licence.</p> <p>During discussions with National Grid one other scheme was identified, the Greenwire Wind Farm, which also proposing to connect at Pembroke Power Station.</p> <p>The Greenwire scheme is still in the scoping phase and would not preclude Egnedol from connecting to the National Transmission Network. Reinforcement works to the National Grid network may be required at a later date.</p> <p>There are no other known projects which could cause a cumulative impact.</p>	<p>Reinforcement works to the transmission network may be required at a later date which would be agreed with National Grid.</p>	None
15	Jetty	<p>The Jetty is an existing structure which is located at Newton Noyes on the Blackbridge BEF development. The jetty will be refurbished under the proposals and will receive ships carrying biomass to power the BEF.</p> <p>Following discussions with Milford Haven Port Authority it is confirmed that there is sufficient capacity to accommodate the volume of shipping that will be generated by the development.</p> <p>Any ecological impacts associated with the redevelopment of the jetty would be regulated via a Marine Works License granted by NRW which would be required to undertake the works.</p> <p>There are no other known projects which could cause a cumulative impact.</p>	None	None

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16	Archaeology and Cultural Heritage	<p>An assessment of the historical landscape and archaeological features has been undertaken for the proposed development. The proposals were shown to have a very low – moderate impact. The project will retain and redevelop existing structures and the project will protect and enhance the existing features and character of the historic landscape.</p>	None	-
17	Socio Economic	<p>There are no other known projects which could cause a cumulative impact.</p> <p>The proposed development will bring inward investment into Milford Haven and Pembrokehire and capitalise on a unique and strong knowledge base in both Power Generation, Aquaculture Food Production and Shipping. The project will employ local people where possible and will form partnerships with local business and utilise existing facilities such as those available from Milford Haven Port Authority where possible.</p>	None	
18	Consultation and Community Liaison	<p>There are no other known projects which could cause a cumulative or detrimental impact.</p>	None	
19	Cumulative Impacts	<p>N / A</p> <p>N / A</p>	None	



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