ABLE MARINE ENERGY PARK (MATERIAL CHANGE 2 – TR030006)

UPDATED ENVIRONMENTAL STATEMENT

CHAPTER 6: DESCRIPTION OF COMMITTED DEVELOPMENTS

Able Marine Energy Park, Killingholme, North Lincolnshire



BASIS OF REPORT

This document has been prepared by SLR Consulting Limited with reasonable skill, care and diligence, and taking account of the manpower, timescales and resources devoted to it by agreement with Able UK Limited (the Client) as part or all of the services it has been appointed by the Client to carry out. It is subject to the terms and conditions of that appointment.

SLR shall not be liable for the use of or reliance on any information, advice, recommendations and opinions in this document for any purpose by any person other than the Client. Reliance may be granted to a third party only in the event that SLR and the third party have executed a reliance agreement or collateral warranty.

Information reported herein may be based on the interpretation of public domain data collected by SLR, and/or information supplied by the Client and/or its other advisors and associates. These data have been accepted in good faith as being accurate and valid.

The copyright and intellectual property in all drawings, reports, specifications, bills of quantities, calculations and other information set out in this report remain vested in SLR unless the terms of appointment state otherwise.

This document may contain information of a specialised and/or highly technical nature and the Client is advised to seek clarification on any elements which may be unclear to it.

Information, advice, recommendations and opinions in this document should only be relied upon in the context of the whole document and any documents referenced explicitly herein and should then only be used within the context of the appointment.



CONTENTS

6.1.0 INTRODUCTION	6-1
6.2.0 COMMITTED DEVELOPMENTS	6-2
6.3.0 DESCRIPTION OF COMMITTED DEVELOPMENTS	6-4
Able Logistics Park	6-4
North Killingholme Generating Station	6-4
Hornsea Offshore Wind Farm (Zone 4) Project 2	6-4
Yorkshire Energy Park	6-4
6.4.0 PROJECTS EXCLUDED FROM CUMULATIVE ASSESSMENT / IN- COMBINATION EFFECTS	6-5
6.5.0 PROJECTS CONSIDERED IN THE CUMULATIVE ASSESSMENT / IN-COMBINATION EFF REQUESTED IN RESPONSE TO PEIR	

DOCUMENT REFERENCES

TABLES

Table 6-1: Committed Developments as of June 2021	6-2
Table 6-2: Projects Excluding from Cumulative Assessment and In-Combination Effects	6-5
Table 6-3: Projects Considered in the Cumulative Assessment / In-Combination Effects as reque	sted in
response to PEIR	6-10

APPENDICES

Appendix UES6-1: Committed Developments Location Plan



6.1.0 Introduction

- In accordance with the 2017 EIA Regulations (as amended), this Updated Environmental Statement (UES) includes an assessment of any direct and indirect cumulative effects arising from the development when considered alongside any other developments in the area surrounding the site. The objective is to identify any combined effects from the development of effects from several developments; and if, whilst individually the effects may be insignificant, could, when considered together, cause a further significant or indirect impact requiring mitigation.
- 6.1.2 The consideration of the potential for cumulative effects is provided within the individual topic chapters, whilst a more detailed assessment of cumulative and in-combination effects is contained within Chapter 26 of this UES.
- 6.1.3 To understand the likely significant cumulative effects and to confirm the scope of the UES, AHPL have undertaken formal Scoping exercise with the Planning Inspectorate. This provided appropriate evidence for excluding some developments from the cumulative assessment on the basis that, as a committed project, AMEP was already considered as a cumulative development within Environmental Statements for other developments which concluded that there were no likely significant cumulative effects. Furthermore, as the changes sought through the Material Change 2 application are limited to changes in the quay design and consequential amendments (with no changes to any terrestrial components of the scheme), the likelihood of cumulative impacts which have not been previously assessed is very limited. Details of the schemes excluded from this cumulative assessment are detailed in Table 6-2 below.
- 6.1.4 Implementation of terrestrial works within the DCO site itself which have already been undertaken (as detailed in Chapter 1 of this UES) are also excluded from the cumulative assessment on the basis that they were consented as part of the DCO and the Material Change 2 application does not propose any changes to terrestrial elements of the scheme.
- 6.1.5 In relation to other developments, best practice dictates that cumulative assessments of this nature should have regard to those schemes which are 'reasonably foreseeable' (i.e., usually those under construction or with planning permission). The assessment is only capable of being carried out based on the information available at the time of assessment.
- 6.1.6 This Chapter follows preparation of the Preliminary Environmental Information Report (PEIR) which was circulated to consultees in April 2021. Section 6.5.0 of this Chapter contains the additional developments which were asked to be considered by consultees in responses to the PEIR.
- 6.1.7 This Chapter provides a factual account of the surrounding developments in the local area that will form part of the wider cumulative assessment Chapter 26. Reference should also be made to Table 1-3 of the Environmental Statement which provides details of schemes which were scoped out of the cumulative assessment via the Scoping Report. It will also identify any changes or committed developments that have come to light since the DCO application in 2012.



6.2.0 Committed Developments

- 6.2.1 Supplementary Report EX 44.1 'Cumulative and In-Combination Effects' was submitted as part of the original Environmental Statement (the original ES) prepared in support of the DCO. EX44.2 'Addendum to EX44.1', was also subsequently issued and also forms part of the original ES; this updated the cumulative and in combination assessment in relation to aquatic ecology.
- 6.2.2 EX44.1 and EX44.2 detailed the plans and projects which, in-combination with the proposed development, could have given rise to likely significant effects. EX44.1 was prepared in June 2012 and EX44.2 was issued in October 2012, whilst the DCO came into force on 29 October 2014. As a result, many of the plans and projects detailed in the Supplementary Reports have either lapsed or are now operational. If operational, then such developments are included in the up-to-date baseline of 2021. Therefore, this Chapter focusses on the projects which are approved but not yet built or are otherwise reasonably foreseeable as of 2021. The list of such projects is set out in Table 6-1 below and their location is detailed in Appendix UES6-1.
- 6.2.3 The Table below remains unchanged from the Table submitted with the PEIR. Additional projects which have been asked to be considered by consultees in their response to the PEIR are addressed in Section 6.5.0 of this Chapter.

Table 6-1: Committed Developments as of June 2021

Application / Allocation Ref.	Site Address	Summary / Description of Development	Distance to AMEP DCO
Able Logistics Park — PA/2015/1264 — North Lincolnshire Council	Land off Skitter Road, East Halton	Erect buildings and use land for purposes within Use Classes A3, C1, B1, B2 and B8 for port-related storage and associated service facilities together with amenity landscaping and habitat creation, including flood defences, new railway siding, estate roads, sewage and drainage facilities, floodlighting, waste processing facility, hydrogen pipeline spur and two 20 metre telecommunication masts.	~1.5km
North Killingholme Generating Station (DCO Application)	South bank of the Humber Estuary near North Killingholme, North Lincolnshire.	The development is a Thermal generating station that would operate either as a Combined Cycle Gas Turbine (CCGT) plant or as an Integrated Gasification Combined Cycle (IGCC) plant, with a total electrical output of up to 470MWe in North Killingholme, Lincolnshire.	~500m
Hornsea Offshore Wind Farm (Zone 4)	The windfarm itself is 89km east of East Riding	Up to 360 wind turbine generators and associated infrastructure, such as	The windfarm itself is 89km east of East Riding

¹https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/TR030001/TR030001-001612-OS-003 TR030001 Able%20UK%20Ltd Supplementary%20Environmental%20Information File%202%20of%202.zip



²https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/TR030001/TR030001-001740-121012 TR030001 Leslie%20Hutchings%20of%20Able%20Humber%20Ports%20Limited.zip

Application / Allocation Ref.	Site Address	Summary / Description of Development	Distance to AMEP DCO
Project 2 (DCO Application)	of Yorkshire coast. However, cables arrive onshore approximately 30km from AMEP DCO and eventually arrive at a National Grid substation approximately 400m from the AMEP DCO site.	electrical export cables and substations, up to the point of connection with the National Grid network via the Killingholme Substation, an existing 400 kilovolt (kV) substation located in the Humber region.	of Yorkshire coast. However, cables arrive onshore approximately 30km from AMEP DCO and eventually arrive at a National Grid substation approximately 400m from the AMEP DCO site.
Yorkshire Energy Park (17/01673/STOUTE – East Riding of Yorkshire Council)	Land North West Of Kingstown Hotel Hull Road Hedon East Riding Of Yorkshire	Outline planning application for a mixed use comprising a business park (B1a, B1b, B1c, B2, B8) and an education, training and research campus (incorporating outdoor building materials testing facility) and associated residential accommodation (B1a, B1b, D1 and Sui Generis); on-site energy infrastructure (providing energy to on-site users) (Sui Generis), offsite energy infrastructure (generating energy to export into the grid) (Sui Generis), with generation from on-site energy infrastructure and off-site energy infrastructure totalling less than 50MW), and a primary substation (Sui Generis); data centre (600 racks) and associated disaster recovery suite (B1a and Sui Generis); relocated sports facilities (D2); landscaping and open space.	7.8km



6.3.0 Description of Committed Developments

Able Logistics Park

- 6.3.1 Erect buildings and use land for purposes within Use Classes A3, C1, B1, B2 and B8 for port-related storage and associated service facilities together with amenity landscaping and habitat creation, including flood defences, new railway siding, estate roads, sewage and drainage facilities, floodlighting, waste processing facility, hydrogen pipeline spur and two 20 metre telecommunication masts. Planning permission was granted by North Lincolnshire Council in February 2016 and the permission has been implemented by the creation of a wetland mitigation site and the construction of the site access.
- 6.3.2 The planning permission has been implemented by creation of the access from the public highway and the development.

North Killingholme Generating Station

6.3.3 The development is an electricity generating station that would operate either as a Combined Cycle Gas Turbine (CCGT) plant or as an Integrated Gasification Combined Cycle (IGCC) plant, with a total electrical output of up to 470MWe in North Killingholme, Lincolnshire. It was granted a Development Consent Order in October 2014 and that is due to lapse in October 2021. The developer is currently seeking a non-material change to extend the implementation period until October 2026.

Hornsea Offshore Wind Farm (Zone 4) Project 2

6.3.4 This project involves the construction of up to 360 wind turbine generators and associated infrastructure such as electrical export cables and substations, up to the point of connection with the National Grid Network via the Killingholme Substation, an existing 400 kilovolt (kV) substation located in the Humber Region. The Project was granted a Development Consent Order in September 2016 and this includes for routing an onshore cable from Horseshoe Point to North Killingholme 900m from the AMEP boundary. The Convertor station has already been constructed.

Yorkshire Energy Park

Outline planning application for development of the site for mixed use comprising a business park (B1a, B1b, B1c, B2, B8) and an education, training and research campus (incorporating outdoor building materials testing facility) and associated residential accommodation (B1a, B1b, D1 and Sui Generis); on-site energy infrastructure (providing energy to on-site users) (Sui Generis), offsite energy infrastructure (generating energy to export into the grid) (Sui Generis), with generation from on-site energy infrastructure and off-site energy infrastructure totalling less than 50MW), and a primary substation (Sui Generis); data centre (600 racks) and associated disaster recovery suite (B1a and Sui Generis); relocated sports facilities (D2); landscaping and open space.



6.4.0 Projects Excluded from Cumulative Assessment / In-Combination Effects

As detailed in Paragraph 6.1.2 above, this chapter focusses on the potential for cumulative impacts associated with the Material Change application. This is because any other cumulative impacts associated with the terrestrial components of the development have already been assessed; have been found to be acceptable; and can be undertaken without the need for any further development consent. Nevertheless, in order to demonstrate due consideration for potential in-combination effects, other projects and their reason for exclusion from the cumulative and in-combination assessment are described below and their location is detailed in Appendix UES6-1:

Table 6-2: Projects Excluding from Cumulative Assessment and In-Combination Effects

Application /	Site Address	Summary / Description of	Reason for exclusion from in-
Allocation Ref.		Development	combination assessment
Paull LDO – Application Ref: 12/04951/LDOC East Riding of Yorkshire Council	Land West Of Paull Road Paull East Riding Of Yorkshire	Local Development Order granting outline planning permission for the erection of buildings and/or the use of land for Class B2 (General Industrial) Uses of the Town and Country Planning (Use Classes) Order 1987 (and its subsequent amendments), specifically uses associated with port related renewable and low carbon industries on 80 hectares of agricultural land between Saltend and Paull (Local Development Order is accompanied by an Environmental Impact Assessment)	This planning permission has now expired.
Hornsea Offshore Wind Farm (Zone 4) Project One	Approximately 40km offshore from Humberside.	The DCO for Project One authorises the construction and operation of up to 332 wind turbines, up to two offshore accommodation platforms, up to five offshore HVAC collector substations, up to two offshore HVDC converter stations, an offshore HVAC reactive compensation substation, subsea inter-array electrical circuits, a marine connection to the shore approximately 150 km in length, a foreshore connection and from the proposed landfall point at Horseshoe Point, onshore cables which will connect the offshore wind farms to the	Construction completed. Therefore, this development forms part of the current baseline.



Application / Allocation Ref.	Site Address	Summary / Description of Development	Reason for exclusion from incombination assessment
		onshore electrical transmission station and the connection from there to National Grid's existing substation at North Killingholme, a distance of approximately 40 km.	
Port of Hull Local development Order (17/00173/LDO – Hull City Council)	Port of Hull, Hedon Road.	LDO granting outline planning permission for the erection of buildings and/or the use of land for Class B2 use, specifically uses associated with renewable and low carbon industries, on land at Alexandra Dock and Queen Elizabeth Dock. Permission covers access and uses falling both: 1. within B2 (General Industrial uses) of the Town and Country Planning (Use Classes) Order 1987 (and its subsequent amendments), (excluding incineration purposes, heat treatment of waste, energy generation, chemical treatment or landfill or hazardous waste), and including office, research and development, light industry, and storage uses ancillary to the main industrial use (see Definitions below); and 2. being uses associated with renewable and low carbon industries.	No cumulative impacts predicted due to distance between developments and absence of marine based works in this development.
Green Port Hull Development of land at Alexandra Dock for manufacture etc of Wind Turbine Component (11/01177/OUT)	Port of Hull, Hedon Road.	TBC once website is active again.	This planning permission has now lapsed.
Hedon Haven Local Development Order (18/04071/STPLFE – East Riding of Yorkshire Council)	Land South West Of Hedon Bypass Hedon East Riding Of Yorkshire HU12 8AA	Hybrid planning application for the development of land at Hedon Haven comprising: 1. An application for full planning permission for the construction of a new estate road between Hull Road (A1033) and Paull Road, together with associated infrastructure and works; and 2. An application for outline planning permission for	No likely cumulative effects predicted. AMEP was excluded from the cumulative assessment which accompanied this planning application.



Application / Allocation Ref.	Site Address	Summary / Description of Development	Reason for exclusion from in- combination assessment
Grimsby Gas Engines - replacement of power	Grimsby Gas Engines Moody Lane Grimsby	the construction of up to 394,839sqm of employment floorspace (Class B2 (Industrial) / Class B8 (Storage & Distribution)), including ancillary office (Class B1) floorspace, and up to 5,111sqm of flexible commercial floorspace, to include Classes A1-5 (Retail), B1 (Business), C1 (Hotel), D1 (Non-Residential Institutions), D2 (Assembly and Leisure) and other ancillary sui generis uses, and associated landscaping and infrastructure Replacement of existing obsolete power generation	Due to the relatively small nature of the proposed development, no
generators (DM/0104/16/FUL – North East Lincolnshire Council)	North East Lincolnshire DN31 2SY	equipment with new, containerised, gas-engine generators, to act as a reserve generation site. The site will comprise up to 14 containerised generators, with a combined electrical export capacity of 20MW - the same as the existing plant. The new plant will utilise the existing electrical grid connection infrastructure and gas supply.	cumulative effects are predicted.
River Humber Replacement Gas Pipeline Project (DCO Application)	Approximately 2 miles north east of Goxhill, North Lincolnshire, terminating approximately 1 mile south east of Paull, East Riding of Yorkshire	The replacement of a 42 natural gas transmission pipeline, housed within a tunnel beneath the Humber Estuary	This development is now complete.
Welwick to Skeffling Managed Realignment Scheme (19/00786/SPTLFE – East Riding of Yorkshire Council)	Land West And South West Of Long Lane Skeffling East Riding Of Yorkshire HU12 OUX	Managed realignment at Welwick to Skeffling comprising new earth embankments habitat creation and mitigation area with associated works including new car park, viewing platforms or bird hides, fencing, footpath and footbridge improvement, gravity fall drain and ramp over new flood embankment to enable machinery access	No cumulative impact predicted. AMEP excluded from cumulative assessment which accompanied this planning application.
Outstrays Managed Realignment Scheme (19/00783/SPTLFE –	Land South West Of Welwick Bank Bridge Humber Side Lane	Outstrays Managed Realignment Scheme comprising new earth	No cumulative impact predicted. AMEP excluded from cumulative assessment which accompanied



Application / Allocation Ref.	Site Address	Summary / Description of Development	Reason for exclusion from incombination assessment
East Riding of Yorkshire Council)	Welwick East Riding Of Yorkshire HU12 0QT	embankments, habitat creation and mitigation area with associated works including pilling, new viewing platforms or bird hides, reinstatement of bird hide at Haverfield Quarry, creation of new passive access from Outstrays Farm to western end of West 1, creation of public access route around the edge of West 2, improvement of other footpaths and bridges, access ramps, provision of fencing, french drain and vegetation clearance including woodland at western end of West 1	this planning application.
Humber Hull Frontages (18/01058/FULL – Hull City Council)	Land Adjacent To Humber Estuary, Including St Andrews Quay, St Andrews Dock, William Wright Dock, Albert Dock, Island Wharf, Humber Dock Basin, Victoria Pier, Victoria Dock Village And West	Hybrid Application (part outline, part full) for the construction of a Flood Defence scheme including associated structures, access, landscaping and construction works.	Work due to be complete in March 2021. Therefore, any impact of this scheme would be included in the baseline.
Winteringham Ings to South Ferriby Flood Alleviation Scheme (PA/2018/2324 – North Lincolnshire Council)	Land in the vicinity of Ferriby Sluice, Sluice Road, South Ferriby (also within Winteringham and Winterton Parishes)	Planning permission for the construction of a Flood Alleviation Scheme between the CEMEX Plant and South Ferriby (approximate length of 3km); permanent works comprise new embankments, raising and increasing the footprint of an existing flood embankment, raising and replacing existing flood defence walls, new flood defence walls and installation of fixings for demountable flood defences; temporary works include soil stockpiling, site compounds, access points from the A1077 and footpath diversions	No cumulative impact predicted. AMEP excluded from cumulative assessment which accompanied this planning application.
South Humber Bank Energy Centre (DM/1070/18/FUL – North East Lincolnshire Council)	Land Rear Of Power Station Hobson Way Stallingborough North East Lincolnshire	Construction of an energy from waste facility of up to 49.9MWe gross capacity including emissions stack(s), associated infrastructure including parking areas, hard and soft landscaping, the creation of a	No cumulative impact predicted. AMEP excluded from cumulative assessment which accompanied this planning application and DCO submission.



Application / Allocation Ref.	Site Address	Summary / Description of Development	Reason for exclusion from in- combination assessment
		new access to South Marsh Road, weighbridge facility, and drainage infrastructure	
South Humber Bank Energy Centre (DCO Application)		The construction and operation of an energy from waste plant of up to 95 megawatts gross capacity and associated development including an electrical connection, landscaping and access.	
Queens Road Estate, Immingham — DM/1027/13/OUT — North East Lincolnshire Council.	Queens Road Estate, Immingham	Proposed Outline development of site E1/3 in the NELC local plan for general industry (B2) storage and distribution (B8) and minor office development, research and development, light industry (B1) with associated access & landscaping.	The ES which accompanied this planning application considered that the only likely cumulative impact with AMEP was associated with vehicular movements. Such impacts were found to be acceptable. As the Material Change application does not alter vehicular movements, it is not proposed to undertake a cumulative assessment with this application.
Centrica Outfall	Area bounded by coordinates (53°39.670'N, 00°13.696'W), (53°39.713'N, 00°13.570'W), (53°39.666'N, 00°13.523'W) and (53°39.623'N, 00°13.647'W)	Power plant intakes/thermal recirculation. (Operation Phase)	Please see Appendix UES9-1 which confirms that the Centrica Killingholme Power Station permit, ref SP3133LY, was subject to the closure and decommissioning requirement outline below. A site closure plan was submitted to the Environment Agency and the Permit surrendered on 18 September 2017. As there is no longer any valid permit for the operation of this intake/outfall there is no need to undertake any plume modelling



6.5.0 Projects Considered in the Cumulative Assessment / In-Combination Effects as requested in response to PEIR

6.5.1 Following circulation of the PEIR in April 2021, some consultees have responded requesting consideration is made to other developments which could have cumulative or in combination effects with the development proposed at Able Marine Energy Park. These developments are addressed in the table below and their location is detailed in Appendix UES6-1.

Table 6-3: Projects Considered in the Cumulative Assessment / In-Combination Effects as requested in response to PEIR

Application / Allocation Ref.	Site Address	Summary / Description of Development	AHPL Response
The Immingham Open Cycle Gas Turbine Order 2020 (DCO) – S.I. 2020 No. 847.	Land west of Rosper Road, South Killingholme, Immingham, DN40 3DZ.	The construction and operation of a new Open Cycle Gas Turbine ('OCGT') Power Station of up to 299 megawatts ('MW') gross output and associated development including gas and electrical connections.	AMEP was considered as a cumulative development in the ES for this DCO application. The consideration of cumulative impacts was limited to construction traffic as both developments could be under construction at the same time. The ES concluded that there will be no significant cumulative effects predicted for traffic (Paragraph 17.6.32). As the development subject to this Material Change application does not alter construction vehicle movements, there is no potential for additional cumulative effects in combination with this development.
PA/2018/918 — Planning permission to construct a new gas-fired power station with a gross electrical output of up to 49.9 megawatts	VPI Immingham Energy Park A, Rosper Road, Immingham, North Lincolnshire, DN40 4DZ	Construction of a new gas- fired power station with a gross electrical output of up to 49.9 megawatts	AMEP was not considered as a cumulative development within the ES for this planning application. Therefore, no consideration of cumulative effects with this planning application is proposed as part of this Material Change application.
20/02483/STPLFE (East Riding) - Construction of flood defence works to stabilise existing earth embankment a more substantial rock armour protection.	North bank of the Humber adjacent to Hawkins Point	Construction of flood defence works to stabilise existing earth embankment a more substantial rock armour protection.	This application site is approximately 11km from AMEP (measured in a straight line). Following a precautionary principle, the Ecological Impact Assessment which accompanied this planning application set a maximum zone of influence of 5km. Furthermore, the HRA Report which accompanied the planning application did consider incombination impacts between the proposed scheme and AMEP. The HRA predicted no in-combination effects with the proposed development and that proposed at AMEP during both the construction and operational stages. As a result, cumulative impacts with the



Application / Allocation Ref.	Site Address	Summary / Description of Development	AHPL Response
			proposed development are not proposed to be assessed in this Environmental Statement.



EUROPEAN OFFICES

United Kingdom

AYLESBURY

T: +44 (0)1844 337380 T: +44 (0)113 2580650

BELFAST

T: +44 (0)28 90732493 T: +44 (0)203 6915810

LONDON

MAIDSTONE

MANCHESTER

NOTTINGHAM

SHEFFIELD

SHREWSBURY

STIRLING

WORCESTER

BRADFORD-ON-AVON

T: +44 (0)1622 609242 T: +44 (0)1225 309400

BRISTOL

T: +44 (0)117 9064280 T: +44 (0)161 8727564

CAMBRIDGE

NEWCASTLE UPON TYNE T: +44 (0)1223 813805 T: +44 (0)191 2611966

CARDIFF

T: +44 (0)2920 491010 T: +44 (0)115 9647280

CHELMSFORD

T: +44 (0)1245 392170 T: +44 (0)114 2455153

EDINBURGH

T: +44 (0)131 3356830 T: +44 (0)1743 239250

EXETER

STAFFORD T: +44 (0)1392 490152 T: +44 (0)1785 241755

GLASGOW

T: +44 (0)141 3535037 T: +44 (0)1786 239900

GUILDFORD

T: +44 (0)1483 889800 T: +44 (0)1905 751310

Ireland

France

DUBLIN T: + 353 (0)1 296 4667 **GRENOBLE**

T: +33 (0)4 76 70 93 41

