From: Hutton, Laura-Beth
To: Aquind Interconnector
Cc: Shaw-Carter, Clare

Subject: Aguind Interconnector - NGET Response to Deadline 7 EN020022

Date: 22 January 2021 14:06:59

Attachments: NGET Response to ExA Os Deadline 7.pdf

Dear Sir/Madam

Application by AQUIND Limited for an Order Granting Development Consent for the AQUIND Interconnector Project

Please find attached National Grid Electricity Transmission Plc's response to the Examining Authority's Further Written Question DCO2.5.9 for Deadline 7.

Please would you acknowledge safe receipt?

Yours faithfully Eversheds Sutherland (International) LLP

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EN020022: The AQUIND Interconnector Order

Submission by National Grid Electricity Transmission Plc

Response to Examining Authority's further written questions – Deadline 7

Reference	Respondent(s)	Question	NGET Response
DCO2.5.9	The Applicant NGET	It is noted that the description of Work No. 1 in Schedule 1 of the dDCO [REP6-015] has been amended to include works for the extension of the Lovedean substation. Can the Applicant explain the meaning of 'site establishment, earthworks, civil and building works'? Does the amended definition meet the needs of NGET and is NGET satisfied that the Applicant's ES covers all likely significant effects?	The amendment proposed to the description of Work No. 1 was agreed with NGET and NGET is satisfied that Work No. 1 (as amended) now meets its requirements. As part of the discussions on the text of the Work No. 1 description, NGET and the Applicant also discussed the impacts (if any) of the amendment on the Environmental Statement. Following such discussions, the Applicant undertook a review exercise and produced a note summarising how the works (as amended) were considered in the environmental assessments. This note is appended to the SoCG between NGET and the Applicant (and also to this response) and NGET is satisfied with the position, now clarified and set out in that note.

Note in respect of Environmental Statement (as appended to the Statement of Common Ground Document Ref. 7.5.19 dated 21 December 2020)



c/o Andrew Lucas

National Grid House National Grid Electricity Transmission Warwick Technology Park Gallows Hill Warwick CV34 6DA 62100616-WSP-NGET-20201120 17 December 2020

Dear Sir/Madam,

AQUIND Environmental Statement

Following receipt of your comments in relation to the Environmental Statement (ES) provided to us on Friday, 6th November 2020 we have conducted an audit in order that we can summarise how Work No. 1 has been considered in the Environmental Statement and supporting assessments.

We have set out our inputs and approach to the Environmental Statement in Table 1-1 and from this you can see how the Environmental Statement has been prepared. In summary, we have conducted our assessments based upon the output of the Front-End Engineering Design (FEED) study provided to us in April 2019¹ in a manner which provides National Grid with reasonable flexibility to develop this design further. Prompted by your recent comments, we offer the following specific confirmation of this;

i. Paragraph 3.6.2.2 of the ES Chapter 3 (Description of the Proposed Development) (APP-118) refers to Plate 3.4² which shows proposed positions of the Aquind Connection Bays at National Grid's Lovedean Substation. Whilst the purpose of this plate is to show the positions of the connection bays, this shows an indicative extension area (in red). This does not represent a commitment to build the extension in the area shown, and as set out in Table 1-1 our environmental assessments have not treated this as a final design.

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¹ National Grid Drawing Number: PDD-33585-LAY-001 (VER 00, 22-MAR-19)

² We acknowledge the typographical error whereby the ES refers to Plate 3.5 rather than Plate 3.4



Whilst Paragraph 3.6.2.6 of the ES Chapter 3 (Description of the Proposed Development) anticipates that one cable circuit would enter from the North-West and the other from the North, we have always acknowledged that this is subject to design, surveys and coordination with the converter station design. Therefore, the application was not prepared in a way which secures the entry point to the substation and we confirm that any alternative entry points (e.g. from the south) are sufficiently covered in the ES.

ii. Paragraph 3.6.2.8 of the ES Chapter 3 (Description of the Proposed Development) refers to Plate 3.5³, which shows a Typical Arrangement of HVAC cables and FOC in the ground. This is referred to as "indicative" and represents a typical arrangement. We understand that NGET may wish to install the cable circuits with a greater depth of cover, separation between circuits or in a trefoil arrangement for example. We confirm that the assessments reported in the Environmental Statement support this flexibility and would not be altered by it.

Further to the audit that has been undertaken, we confirm that Work No 1 with the addition of "a) Extension of the existing substation, including site establishment, earthworks, civil and building works" has been assessed in the ES and that it is therefore not necessary to amend the contents of the Environmental Statement or carry out additional assessment work.

We also take this opportunity to re-state that the recently agreed amendments to the description of Works No. 1 are intended to bring clarity to the Development Consent Order (DCO) further to your request for this, rather than to introduce any new works that were not previously foreseen or assessed.

Yours faithfully

p.p. Daniel Abbott

on behalf of Martin Devine Project Manager, WSP

 $^{^3}$ We acknowledge the typographical error whereby the ES refers to Plate 3.6 rather than Plate 3.5



Table 1-1 – Inputs and approach to the AQUIND Environmental Statement

Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
Chapter 15 Landscape and Visual Amenity	The Landscape and Visual Impact Assessment (LVIA) considered the HVAC cable termination equipment in parameter zone 3 (building and equipment up to 15m height ⁴) and in the area for Works No. 1 ⁵ between the Converter Station and existing Substation. The exact location of the HVAC cable termination was not fixed and the HVAC Cables were assessed on the basis that they would run east west and between existing National Grid mitigation planting to the north and ancient woodland to the south. The assessment considered the consequences of a future baseline including a westerly and southerly extension and did not specify parameters for the extension or new structures apart from a 30m telecommunication mast and antenna which are the subject of a separate planning application.	Paragraph 15.1.1.2 of ES Chapter 15 (Landscape and Visual Amenity) (APP-130). Paragraph 15.7.1.8 of ES Chapter 15 (Landscape and Visual Amenity) (APP-130). Paragraph 15.5.4.6 of ES Chapter 15 (Landscape and Visual Amenity) (APP-130). Paragraph 15.7.1.29 of ES Chapter 15 (Landscape and Visual Amenity) (APP-130).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.

 $^{^{4}} Parameter Zone \ 3 \ is \ described \ in \ the \ original \ parameter \ plans \ (\underline{https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN020022/EN020022-000465-2.6\%20Converter\%20Station\%20and\%20Telecommunications\%20Buildings\%20Parameter\%20Plans.pdf)$

⁵ The area for Works No. 1 (substation connection works) is show in the Works Plans (Reference: https://infrastructure.planninginspectorate.gov.uk/wpcontent/ipc/uploads/projects/EN020022/EN020022-002765-2.4%20Works%20Plans%20Rev03.pdf)



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	The LVIA, for both Option B(i) and B(ii), assumed the new structures would be compatible in height, scale and mass to the existing substation and remain within the area for Works No.1, as they must do so.		
Chapter 16 Onshore Ecology	An assessment of impacts on all important ecological features (including habitats) within and adjacent to the Order Limits in Section 1 was undertaken. As the NGET connection works must remain within the Order Limits there will not be any ecological effects as a consequence of them which have not been assessed.	Section 16.6.1 of ES Chapter 16 (Onshore Ecology) (APP-131).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.
Appendix 16.3 Arboriculture	The arboriculture assessment considers the entire Converter Station Area ⁶ to the extent of the Order Limits. All arboricultural features within the area for Works No.1 have been appraised.	Section 1.7.2 of ES Appendix 16.3 (Arboriculture Report) (APP-411).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.
Chapter 17 Soils and Agricultural Land Use	The agricultural land assessment was not undertaken at a level of detail which describes the National Grid connection works or the arrangement of equipment. This was not necessary as this detail would not bring any change to the assessment.	Paragraphs 17.6.2.4 to 17.6.2.12 of ES Chapter 17 (Soils and Agricultural Land Use) (APP-132).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.

⁶ Where "Converter Station Area" is a term defined in the Glossary (Reference: https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN020022/EN020022-001508-1.7%20Glossary%20Rev002.pdf)



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	This assessment has assumed the typical cable construction arrangement and mitigation to prioritise the reuse of top-soils when reinstating soils over the cables. There would be no effect on the assessment if deeper or wider trenches are assumed or if the spacing between trenches varies.	Paragraphs 17.6.2.1 to 17.6.2.3 and 17.6.2.13 to 17.6.2.15 of ES Chapter 17 (Soils and Agricultural Land Use) (APP-132).	
Chapter 18 Ground Conditions	In the assessment of ground conditions, it is assumed that all land within the Order Limits is potentially disturbed. Where contamination is identified within the Order Limits this will be remediated under Requirement 13 of the dDCO (REP3-003). Mitigation measures will be in place to prevent the mobilisation of contamination during the construction phase within the Order Limits. Mitigation measures are contained in Section 5.5 and Section 6.9.2 of the updated Onshore Outline Construction Environmental Management Plan (CEMP) (REP4-005). Deviations from the HVAC trench cross section or extension of the Lovedean 400kV substation do not necessitate any change to this approach or affect the conclusions of the assessment.	Paragraphs 18.5.4.3 to 18.5.4.11, Section 18.6, paragraphs 18.7.3.1 to 18.7.3.9 and paragraphs 18.7.4.1 to 18.7.3.8 of ES Chapter 18 (Ground Conditions) (APP-133).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.
Chapter 19 Groundwater	The trenched Onshore Cable Corridor groundwater quantity and quality impacts have been assessed. A shortened version of the ES Chapter 19 assessment text is provided below.	Groundwater quantity impacts associated with the Converter Station Area have been assessed in Section 19.6.2 of ES Chapter 19 (Groundwater) (APP-134).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	The trenches could intercept perched groundwater in the superficial Head Deposits aquifer, which would require sump pump dewatering to mitigate trench flooding, however, this is not anticipated based on local topography and local groundwater conditions. Where groundwater interceptions occur, seepages will likely be in small finite quantities and a negligible magnitude of change is predicted. The excavations proposed in the Chalk bedrock aquifer are not predicted to intercept groundwater and a Negligible effect is predicted on the Chalk aquifer and associated water users. It is predicted that there will be a no additional impact to either the superficial Head Deposit aquifer (Low sensitivity), Chalk aquifer and water users (High sensitivities) for the cable installations and a Negligible significance of effect is assigned on this basis. This is not considered a significant environmental impact. Due to the inert ground materials proposed for trench construction and the included embedded mitigation measures, it is anticipated that there will be a Negligible magnitude impact on groundwater quality for the following aquifers during the trench construction: Chalk (Portsdown Chalk Formation, Spetisbury Chalk Member, Tarrant Chalk Member, Newhaven Chalk Formations, Undifferentiated Chalk) and associated Water Users (High sensitivity) and the	Groundwater quality impacts associated with the Converter Station Area were assessed in Section 19.6.3 of ES Chapter 19 (Groundwater) (APP-134). Groundwater quantity impacts associated with the trenched Onshore Cable Route in Section 1 (Converter Station Area) were assessed in paragraphs 19.6.4.2 to 19.6.4.5 of ES Chapter 19 (Groundwater) (APP-134). Groundwater quality impacts associated with the trenched Onshore Cable Route in all Sections including Section 1 (Converter Station Area) were assessed in paragraphs 19.6.5.3 to 19.6.5.4 of ES Chapter 19 (Groundwater) (APP-134).	



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	Head Deposits. This is predicted to result in a		
	Negligible effect for these aquifers which is not		
	considered to be significant.		
	No further assessment is required, as the impacts from		
	the HVAC connection and substation extension are the		
	same as those from the trenched Onshore Cable		
	Corridor and the converter station works respectively.		
Chapter 20	The potential impacts to surface water drainage	The Converter Station Area and Onshore	The extension works (as contained in the FEED
Surface	patterns, surface water feature water quality and flood	Cable Corridor surface water drainage	study plan and description at Section 1.1.2 of
Water	risk with relevant mitigations and a summary of	patterns were assessed in Section 20.7.2 of	Additional Supporting Information for Onshore
Resources	residual effects has been assessed for the Converter	ES Chapter 20 (Surface Water Resources and	Works (ES Appendix 3.5)) were assessed as part
and Flood	Station Area and the Onshore Cable Corridor within ES	Flood Risk) (APP-135).	of the ES.
Risk	Chapter 20 (Surface Water Resources and Flood Risk).	The Converter Station Area and Onshore	
	The proposed National Grid Connection Works are	Cable Corridor surface water features water	
	considered within the assessment of the area for	quality was assessed in Section 20.7.4 of ES	
	Works No. 1. Therefore, it has been adequately	Chapter 20 (Surface Water Resources and	
	assessed in terms of the potential for impacts on	Flood Risk) (APP-135).	
	surface water resources and flood risk.	The Converter Station Area and Onshore	
	It has been assumed that the extension works and	Cable Corridor flood risk was assessed in	
	proposed buildings (i.e. Portable Relay Room) would	Section 20.7.5 of ES Chapter 20 (Surface	
	not require National Grid to change the overall existing	Water Resources and Flood Risk) (APP-135).	
	drainage strategy at Lovedean 400 kV substation.		
Chapter 21	It is assumed for the purposes of the Heritage and	Magnitude of change assessed in paragraphs	The extension works (as contained in the FEED
Heritage and	Archaeology assessment that topsoil would be	21.6.2.3 to 21.6.2.5 and paragraphs 2.6.2.17	study plan and description at Section 1.1.2 of
Archaeology	removed across the entire Converter Station Area		Additional Supporting Information for Onshore



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	(including the area for Works No. 1) as part of the preliminary site works (paragraph 21.6.2.3), encompassing the proposed National Grid connection works.	to 2.6.2.18 of ES Chapter 21 (Heritage and Archaeology) (APP-136).	Works (ES Appendix 3.5)) were assessed as part of the ES.
	Any further impact associated with the excavation of HVAC cable trenches is assessed in paragraph 21.6.2.18. Minor changes to extent and depth of the proposed cable trench connection would not change the conclusions of the assessment. Therefore, the assessment suitably covers the National Grid Connection Works.		
Chapter 22 Traffic and Transport	The Traffic and Transport chapter has assessed the impacts of the peak period of construction activities on the public highway network and users of it. No assessments have been completed to consider Works No. 1 separately since it is the peak (cumulative) construction traffic generated by the Proposed Development which has been assessed, and which it is not anticipated would be exceeded as a result of the construction of the National Grid Connection Works and the Converter Station where undertaken in parallel.	Section 22.4.6 of ES Chapter 22 (Traffic and Transport) (APP-137) and paragraphs 15.5.2.9 of the ES Addendum (REP1-139) provide details of the assumptions used regarding construction of the Converter Station.	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.
Chapter 23 Air Quality	An Institute of Air Quality Management (IAQM) dust risk assessment has been completed for the Converter Station Area based on the construction data available for earthworks, construction and trackout. This	Paragraphs 23.6.2.6 to 23.6.2.9 of the updated ES Chapter 23 (Air Quality) (Rev 002) (REP1-033).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	includes the areas identified for the NGET connection since they are included within the area for Works No. 1. The assessment found the area to present a high risk for dust soiling, and low risk for impacts to human health. The overall impact is conservatively based on the highest assessed risk activities to be undertaken. Therefore, the overall assessment is for a high risk in an area with high sensitivity receptors. With the incorporation of the appropriate embedded mitigation measures from Section 1.4 of Appendix 23.1, and	Section 1.3.1 of ES Appendix 23.2 (IAQM Construction Assessment) (Rev 002) (REP1-074). Section 1.4 of ES Appendix 23.2 (IAQM Construction Assessment) (Rev 002), Table 36 provides the Dust and Air Emissions	Works (ES Appendix 3.5)) were assessed as part of the ES.
	incorporated into Section 5.11 of the Onshore Outline CEMP (REP4-005), the residual effects in respect of Onshore Cable Corridor Section 1 – Lovedean (Converter Station Area) are assessed as negligible, not significant.	Mitigation Measures.	
Chapter 24 Noise and Vibration	The noise and vibration assessment included; i. Trenching and duct installation for the HVAC cable circuits between the Converter Station and Lovedean Substation. ii. Groundworks and general construction activities at the Lovedean substation	Paragraphs 24.4.2.15 and 24.6.2.11 of ES Chapter 24 (Noise and Vibration) of the ES (APP-139).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.
	It was assumed that the nature of the works (e.g. in terms of construction plant and techniques) were comparable with HVDC cable duct installation and Converter Station works.		



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	An illustrative route was assessed (between the east side of the Converter Station and west side of Lovedean Substation), but the alignment was not specifically presented in the ES.		
	These works could take place anywhere within Works No.1 and the effects would be those presented in the ES (i.e. negligible). This is because the nearest receptors are far enough away from Works No.1 such that negligible magnitude of noise levels would be anticipated.		
Chapter 25 Socio- economics	The assessment took into consideration all areas of works (including Works No. 1). The baseline assessment included identification of residential receptors, commercial businesses, community	Paragraphs 25.5.5.2, 25.5.6.2; 25.5.7.3; 25.7.2.34; 25.7.2.37; 25.7.2.39; 25.7.3.3; 25.7.3.4; 25.7.3.5 and Sections 25.10 and 25.11 of ES Chapter 25 (Socio-economics)	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part
	facilities, recreational routes, leisure facilities. The assessment considered both construction stage effects (such as Non-Motorised User routes) and also the operation stage effects (i.e. the impact on Users of Recreation and Open Space and again the Non-Motorised User Routes).	(APP-140).	of the ES.
	Therefore, the assessment methodology and outcomes suitably cover the National Grid Connection Works.		
Chapter 26 Human Health	Section 26.6.2 of the ES Chapter 26 (Human Health) assesses the effect of Section 1 Lovedean (Converter Station Area) on Human Health associated with Air	Portable relay rooms and southern connection within the substation Order Limits:	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	Quality (construction), Noise (construction and operation), Landscape and Green Space (construction and operation), Employment and Business Activity (construction), Soil/Land Contamination and Water Quality (construction) and electric and magnetic fields (EMF) (operation). The area for Work No.1 is included within the Converter Station Area, though reference to any specific layout at Lovedean substation is not included. Section 26.6.2.24 states 'It is anticipated that the dominant noise sources from the operation of the Converter Station Area are likely to be the converter transformers, the converter transformer fans and the valve converter cooling fan bank'. It is considered this accurate as the National Grid Connection Works would not be the dominant operational noise source. In relation to the HVAC cable circuit, the Human Health assessment does not make reference to the arrangement (depth/width) of trenches and cables. The assessment does identify that the 'installation rate for one circuit will be approximately 18 m - 30 m per day and typically in 100 m sections within urban areas, and approximately 50 m per day for areas of open land' in Section 26.6.1.2, which is applicable to the HVAC Cable installation rate, and elements of the Human Health assessment has been based this assumption.	No specific reference to layout/activities of the substation, however Section 1 Lovedean (Converter Station Area) is assessed in Section 26.6.2 of ES Chapter 26 (Human Health) (APP-141). HVAC Cable arrangement changes within the Order Limits The Human Health assessment does not make reference to the arrangement (depth/width) of trenches and HVAC cables. Paragraph 26.6.1.2 of ES Chapter 26 (Human Health) (APP-141) identifies the installation rate. Paragraphs 26.6.3.70 and 26.6.3.71 of ES Chapter 26 (Human Health) (APP-141) repeat construction assumptions used in ES Appendix 3.7 (Onshore Electric and Magnetic Field Report) (APP-361), to determine the effect of EMF.	Works (ES Appendix 3.5)) were assessed as part of the ES.



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	Sections 26.6.3.70 and 26.6.3.71 consider the effects of EMF. These sections utilise information from ES Appendix 3.7 Onshore Electric and Magnetic Field Report and identify that 'Due to the grounded shielding of the HVAC and HVDC Onshore Cables there will be no electric field present along the HVAC Cable Route and HVDC Cable Route. The public would therefore not be exposed to electric fields from the Onshore Cable Corridor because the field is contained by the cable's protective metal sheath' and 'The HVAC Cables are laid in agricultural land. The peak magnetic field from the HVAC Cable is predicted to be 33 μ T (50 Hz) at 1 m above ground, and reduces rapidly with distance from the cables'.		
Chapter 27 Waste and Material Resources	The construction material and waste type and quantities have been assessed from the information which is provided in Chapter 3 (Description of the Proposed Development) (APP-118) and is consistent with the outputs of the April 2019 NGET FEED Study. The data are based on the preliminary design of the Proposed Development as was available from the output of the 2019 FEED Study and in accordance with best practice considers a 'worst case' scenario based on the area for Works No.1 to estimate the consumption of material resources and generation of waste.	Discussed in paragraphs 27.1.2.2, 27.4.5.4 – 27.4.5.13 of ES Chapter 27 (Waste and Material Resources) (APP-142) and ES Appendix 27.2 (Waste and Material Resources Assumptions and Limitations) (APP-478).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.



Chapter	Confirmation of what has been assessed for Works No. 1	Location of Assessment within the ES	Status of Assessment within the ES
	A reasonable worst-case scenario has been assumed. BAs a result, based on the preliminary design, changes arising from refinement of the detailed design are not expected to change the significance of the effects reported in the waste and material resources assessment.		
Chapter 28 Carbon and Climate Change	Greenhouse Gases (GHGs) The construction GHG emissions have been assessed from the preliminary design data including for the grid connection. This includes the use of SF ₆ gas to act as an insulator. Climate Resilience Connection point and portable relay rooms –The resilience measures and assessment as identified for the Converter Station (Table 28.19 and Table 28.20) also apply to the connection point and portable relay rooms. The resilience measures and assessment identified for the Onshore Cable Corridor (Table 28.21 and Table 28.22) also applies to the HVAC cables.	GHGs Section 28.6 of ES Chapter 28 (Carbon and Climate Change) (APP-143). Climate Resilience Table 28.19, Table 28.20, Table 28.21 and Table 28.22 of ES Chapter 28 (Carbon and Climate Change) (APP-143).	The extension works (as contained in the FEED study plan and description at Section 1.1.2 of Additional Supporting Information for Onshore Works (ES Appendix 3.5)) were assessed as part of the ES.