

Hornsea Offshore Wind Farm

Project Two

Environmental Statement
Volume 6 – Onshore

Annex 6.5.11
Effects on Landscape Resources During
the Operational Stage

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SMart Wind Limited

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Table of Contents

1	Table of Effects on Landscape Resources at Operational Stage.....	1
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Table of Tables

Table 1.1	Effects on landscape resources during the operational phase of the landfall and cable route	1
Table 1.2	Effects on landscape resources during the operational phase of the Onshore HVDC converter station/ HVAC substation	7

1 TABLE OF EFFECTS ON LANDSCAPE RESOURCES AT OPERATIONAL STAGE

1.1.1 Only those landscape resources inside the study area have been considered below, with the exception of the Lincolnshire Wolds Area of Outstanding Natural Beauty (AONB), Brocklesby Park Registered Park and Garden (RPaG) and East and West Lindsey's Areas of Great Landscape Value (AGLVs) as the closest designated landscapes.

Table 1.1 Effects on landscape resources during the operational phase of the landfall and cable route.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Designated landscapes							
Lincolnshire Wolds AONB	National	High	Outside study area: No direct effect. The subtle changes in the landscape planting will not be discernible from the Wolds.	No Change to Negligible	Long term	None to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Brocklesby Estate RPaG	National	High	Outside study area: No direct effect. The subtle changes in the planting will not be discernible from the Estate.	No Change to Negligible	Long term	None to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
East Lindsey AGLV	Local	Medium	Outside study area: No direct effect. The subtle changes in the planting will not be discernible from the AGLV.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
West Lindsey AGLV	Local	Medium	Outside study area: No direct effect. The subtle changes in the planting will not be discernible from the AGLV.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
National seascape character areas							
NSCA 6 'Humber Waters'	National	Negligible	The subtle changes that arise from the presence of the onshore HVDC converter/HVAC substation would not be visible in many parts of the NSCA .	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
NSCA 7 'East Midlands Coastal Waters' (not seen from this NSCA).	National	Negligible	The subtle changes that arise from the presence of the onshore HVDC converter/HVAC substation would not be visible from this NSCA.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
National landscape character areas							
41 Humber Estuary	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	No Change to Negligible	Long term	None to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
42 Lincolnshire Coast and Marshes	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	No Change to Negligible	Long term	None to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Regional landscape character areas/types							
East Midlands							
1A Coastal Saltmarshes and Mudflats	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
2A Settled Fens and Marshes	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
2C Fen and Marsh Margin Farmlands	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Regional Landscape Character Areas							
North East Lincolnshire							
A Humber Estuary	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
B Wooded Open Farmland	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Broad Landscape Character Areas							
West Lindsey							
D The Wolds	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Regional Landscape Character Areas/Types							
North Lincolnshire							
Lincolnshire Drift	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Humber Estuary	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Local Landscape Character Areas							
East Lindsey							
I1 Holton le Clay to Great Steeping Middle Marsh	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
J1 Tetney Lock to Skegness Coastal Outmarsh	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
K1 Donna Nook to Gibraltar Point Naturalistic Coast	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Local Landscape Character Areas							
North East Lincolnshire							
Ai Humber Estuary: Industrial Landscape	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Bi Lincolnshire Coast and Marshes: Open Farmland	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Bii Lincolnshire Coast and Marshes: Flat Open Farmland	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Bii Lincolnshire Coast and Marshes: Wooded Open Farmland	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Low to Medium	Long term	Minor to Moderate	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Biii Lincolnshire Coast and Marshes: Flat Open Farmland	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Local Landscape Character Areas							
West Lindsey							
14 Wolds Estates	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Local Landscape Character Areas							
North Lincolnshire							
Lincolnshire Drift: Open Undulating Farmland – Barrow upon Humber, Goxhill, Thornton Curtis, Ulceby, Wootton	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Lincolnshire Drift: Wooded Farmland – East Halton, Kirmington, Thornton Abbey, Ulceby Junction	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Humber Estuary: Industrial Landscape – South Humber Bank	Local	Low	The subtle changes in the planting within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible to Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Humber Estuary: Open Undulating Farmland – South Killingholme	Local	Low	The changes in the planting within the character area will alter the character of the landscape area slightly.	Low	Long term	Negligible to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Humber Estuary: Wooded Farmland – East Halton, North Killingholme	Local	Medium	The changes in the planting within the character area will alter the character of the landscape area slightly.	Medium	Long term	Minor to Moderate	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Table 1.2 Effects on landscape resources during the operational phase of the Onshore HVDC converter/HVAC substation.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Designated landscapes							
Lincolnshire Wolds AONB	National	High	On the extreme edge of the study area, no direct effect. The onshore HVDC converter/HVAC substation may be seen as a distant element from the closest parts of the Wolds.	No Change to Negligible	Long term	None to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Brocklesby Estate RPaG	National	High	No direct effect. The onshore HVDC converter/HVAC substation may be seen as a distant element from the closest parts of the Estate.	No Change to Negligible	Long term	None to Minor	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
East Park RPaG, Kingston upon Hull	National	High	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Pearson Park RPaG, Kingston upon Hull	National	High	The onshore HVDC converter/HVAC substation works will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
West Lindsey AGLV	Local	Medium	The onshore HVDC converter/HVAC substation will not be visible in many parts of the area and will not alter the character of the landscape area.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
National landscape character areas							
27 Yorkshire Wolds	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
40 Holderness	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
41 Humber Estuary	Local	Low	The onshore HVDC converter/HVAC substation within the character area will not be visible in many parts of the area and will not alter the character of the landscape area.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
42 Lincolnshire Coast and Marshes	Local	Low	The onshore HVDC converter/HVAC substation will not be visible in many parts of the area and will not alter the character of the landscape area.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
43 Lincolnshire Wolds	Local	Low	The HVDC converter/HVAC substation will not be discernible from this landscape receptor.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
44 Central Lincolnshire Vale	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Regional landscape character areas							
North East Lincolnshire							
A Humber Estuary	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely..	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
B Wooded Open Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Broad landscape character areas							
West Lindsey							
The Wolds	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Regional landscape character areas/types							
North Lincolnshire							
Vale of Ancholme	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Lincolnshire Wolds	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Lincolnshire Drift	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Humber Estuary	Local	Low	The onshore HVDC converter/HVAC substation lies within this character area. The HVDC converter/HVAC substation will be visible from the parts of character area immediately surrounding the site.	Low	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Regional landscape character areas/types							
East Riding of Yorkshire							
11 Jurassic Hills Farmland	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
17 Farmed Urban Fringe	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
19 Open Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
21 Low-lying Drained Farmland	Local	Low	The onshore HVDC converter/HVAC substation will be visible from parts of this landscape receptor. However, due to distance the HVDC converter/HVAC substation will be barely discernible.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
22 Farmed Urban Fringe	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Local landscape character areas							
North East Lincolnshire							
Ai Humber Estuary: Industrial Landscape	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Bi Lincolnshire Coast and Marshes: Open Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Bii Lincolnshire Coast and Marshes: Flat Open Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Biv Lincolnshire Coast and Marshes: Sloping Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Local landscape character areas							
West Lindsey							
12 North-West Wolds Escarpment	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
14 Wolds Estates	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Local landscape character areas							
North Lincolnshire							
Vale of Ancholme: Flat Valley Bottom Farmland – Roxby, Bonby, Appleby, Worlaby Carrs, Cadney, Froghall, North Kelsey Carrs	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Vale of Ancholme: Heathy Woodland – Elsham Country Park	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Vale of Ancholme: Open Undulating Farmland – Brigg, Wrawby and Barnetby	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Lincolnshire Wolds: Open Farmed Scarp Slope – Barnetby le Wold	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Lincolnshire Wolds: Open Rolling High Farmland – Lincolnshire Wolds Escarpment Top	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Lincolnshire Wolds: Wooded Farmed Scarp Slope – between Barton upon Humber and Elsham	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Lincolnshire Drift: Open Undulating Farmland – Barrow upon Humber, Goxhill, Thornton Curtis, Ulceby, Wootton	Local	Low	The onshore HVDC converter/HVAC substation will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Lincolnshire Drift: Wooded Farmland – East Halton, Kirmington, Thornton Abbey, Ulceby Junction	Local	Low	The onshore HVDC converter/HVAC substation will not be visible in many parts of the area and will not alter the character of the landscape area.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Humber Estuary: Flat Open Farmland – Barrow Haven, New Holland, Goxhill Haven	Local	Low	The onshore HVDC converter/HVAC substation will not be visible in many parts of the area and will not alter the character of the landscape area.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Humber Estuary: Industrial Landscape – South Humber Bank	Local	Low	The landscape character area in which the onshore HVDC converter/HVAC substation is located abuts this landscape character area. However, the works will not be visible in many parts of the area and will not alter the character of the landscape.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Humber Estuary: Open Undulating Farmland – South Killingholme	Local	Medium	The onshore HVDC converter/HVAC substation lies within this character area. It will be visible from the majority of the northern section of this character area (the works will not be visible from the southern section).	Medium	Long term	Moderate	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
Humber Estuary: Water-filled Clay Pits – Barton and Barrow Clay Pits	Local	Low	The onshore HVDC converter/HVAC substation will not be visible in many parts of the area and will not alter the character of the landscape area.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Humber Estuary: Wooded Farmland – East Halton, North Killingholme	Local	Medium	This landscape character area lies adjacent to the one in which the onshore HVDC converter/HVAC substation is located. It will not be visible from much of the area. However, it will be seen from it and will have some impact upon it.	Medium	Long term	Moderate	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
Local landscape character areas							
East Riding of Yorkshire							
11C Elloughton cum Brough to Hessle Urban Edge Farmland	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
17A Hedon, Preston and Bilton Farmland	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
17D North Hessle Farmland	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
19D Central Holderness Open Farmland	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
19E Burstwick to Withernsea Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
21B Sunk Island	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
21C South Patrington, Ottringham and Keyningham Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	No Change to Negligible	Long term	None to Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
21D Paull Farmland	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
22A North Ferriby Farmland	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

**Local landscape character areas
Kingston upon Hull**

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
1 Medieval Core	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
2 18 th Century Expansion	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
3 19 th /20 th /21 st Century city Centre development	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
4 Historic Village Core	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
5 Pre-World War One Terraces (1800 – 1919)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
6 Pre-World War One Suburbs (1800 – 1919)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
7 Interwar Council Estates (1919 – 1945)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
8 Interwar Private Suburbs (1919 – 1945)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
9 Post-World War Two Council Estates (1945 – 1960)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
10 Post-World War Two Council Estates (1960 – 1980)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
11 Interwar/Post World War Two Council Inner City Redevelopment (1930 – 39 and 1960 – 1980)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
12 Post World War Two Private Suburbs (1945 – 1980)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
13 Post-1980 Private Estates	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
14 Pre-World War One Industrial (1800 – 1919)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
15 Interwar Industrial (1919 – 1945)	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
16 Post-World War Two Industrial	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
17 Docks	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.
18 Post-1980 Business and Retail Parks	Local	Low	The onshore HVDC converter/HVAC substation may be discernible from this landscape character area. However, due to the distance between the substation and the receptor, this is considered unlikely.	Negligible	Long term	Negligible	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.

Landscape resource			Landscape effects during operation			Significance of effects	
Landscape/townscape type/character area	Value	Sensitivity	Description of landscape effects	Magnitude	Duration	Daytime	Night time
19 Agricultural Land	Local	Low	The onshore HVDC converter/HVAC substation will not be visible from this landscape receptor.	No Change	Long term	None	Site lighting during operation will only operate when required and will be directional to avoid unnecessary illumination.