

Cottam Solar Project

Supplementary Landscape Effects Tables

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July 2023

PINS reference: EN010133
Document reference: EX1/C8.2.1
Infrastructure Planning (Examination Procedure) Rules 2010



Approach to mitigation in the evaluation of landscape effects:

There are two ways the mitigation has been approached in the Table 1 below. Firstly, embedded mitigation is applied at the construction, operation (Year 1 and Year 15) and decommissioning stages of the Scheme and is also referred to as 'primary mitigation'; and secondly, additional mitigation is applied at the operation (Year 1 and Year 15) stages of the Scheme and is also referred to as 'secondary mitigation'. Residual mitigation is also taken into consideration at the construction, operation (Year 1 and Year 15) stages of the Scheme and is also referred to as 'tertiary mitigation'. Tertiary mitigation addresses effects that cannot be mitigated or 'designed out' as part of the Scheme. This mitigation falls within the wider land ownership of the applicant or is forming part of the management and maintenance objectives of the Scheme. At Year 15, there will be a re-evaluation of the Scheme to identify any residual landscape effects to understand where tertiary mitigation can be applied. To summarise, Table 1 below applies 'primary' and 'secondary' mitigation in the evaluation of the residual effects on the landscape receptors.

Landscape Receptors Scoped Out of the ES:

The assessment of the landscape effects is undertaken on a site-by-site basis and each figure and appendix table takes this into account, where applicable, under the further subdivisions. For the assessment of potential landscape effects at the broad grained scale, there are Regional Landscape Character Areas that were scoped out of the assessment. The over-arching reason for these receptors being scoped out is set out in Table 1 below with more detailed information contained within the individual sheets at C6.3.8.2.2.1.1 to C6.3.8.2.2.1.8 ES. For further detail, please refer to ES Appendix 8.2 Assessment of Potential Landscape Effects **[APP-074]**.

Landscape Receptors Carried Forward into the ES:

For the assessment of potential landscape effects at a broad grained scale, there are Regional Landscape Character Areas that are taken forward into the assessment. The effects on these receptors are summarised in the tables below with more detailed information contained within the individual sheets at C6.3.2.2.2.1 to C6.3.8.2.2.2.9. For further detail, please refer to ES Appendix 8.2 Assessment of Potential Landscape Effects **[APP-074]**. There are individual contributors to landscape character at the fine-grained scale that are carried forward into the assessment. Please refer to:

- C6.3.8.2.3.1 to C6.3.8.2.2.3.3 for the location of the Land Use receptors.
- C6.3.8.2.4.1 to C6.3.8.2.4.3 for the location of the Topography and Watercourse receptors,
- C6.3.8.2.5.1 to C6.3.8.5.5.3 for the location of the Communications and Infrastructure receptors,
- C6.3.8.2.6.1 to C6.3.8.2.6.3 for the location of the Settlements, Industry, Commerce and Leisure receptors,
- C6.3.8.2.7.1 to C6.3.8.2.7.3 for the location of the Public Rights of Way receptors,
- C6.3.8.2.8.1 to C6.3.8.2.8.3 for the location of the Nationally and Locally Designated Landscapes receptors,
- C6.3.8.2.9.1 to C6.3.8.2.9.3 for the location of the Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens receptors,
- C6.3.8.2.10.1 to C6.3.8.2.10.3 for the location of the Ancient Woodlands and Natural Designations receptors,
- C6.3.8.2.11.1 to C6.3.8.2.11.3 for the location of the Cable Route Corridor and
- C6.3.8.2.12.1 to C6.3.8.2.12.5 ES for the location of the Substation Sites.

Table 1: Assessment of Landscape Significance of Effects

	Sensitivity	Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
		Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
National Scale Landscape Character									
Refer to C6.4.8.4 ES Figure 8.4 [APP-167] for location of National Scale Character Areas relative to the Scheme.									
NCA Profile: 39 Humberhead Levels (NE339)	Scoped Out	These National Character Areas (NCAs) are at a large scale, large geographic area of land and are included to provide context only, as opposed to being a receptor to be assessed. Key characteristics that are considered to be relevant are taken into consideration in the process of the assessment, since each NCA profile brings forward the natural and cultural features that shape the landscape, how the landscape has changed over time, the current key drivers for on-going change, and a broad analysis of each area's characteristics and ecosystem services. 'Statements of Environmental Opportunity (SEOs) are also considered further within the assessment process since it is considered these opportunities could complement and where possible enhance local distinctiveness.							
NCA Profile: 45 Northern Lincolnshire Edge with Coversands (NE554)									
NCA Profile: 48 Trent and Belvoir Vales (NE429)									
Regional Scale Landscape Character									
Refer to C6.4.8.5 ES Figure 8.5 [APP-168] for location of Regional Scale Character Areas relative to the Scheme.									
Regional Scale LCT – 3a: Floodplain Valleys Cottam 1	Scoped Out	Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT– 4a: Unwooded Vales Cottam 1	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Regional Scale LCT – 4b: Wooded Vales Cottam 1	Scoped Out	Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT – 6a: Limestone Scarps and Dipslopes Cottam 1									
Regional Scale LCT – 4a: Unwooded Vales Cottam 2	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Regional Scale LCT – 4b: Wooded Vales Cottam 2	Scoped Out	Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT – 6a: Limestone Scarps and Dipslopes									

		Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
Cottam 2									
Regional Scale LCT – 2b: Planned and Drained Fens and Carrlands Cottam 3a									
Regional Scale LCT – 4a: Unwooded Vales Cottam 3a	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Regional Scale LCT – 4b: Wooded Vales Cottam 3a	Med - High	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
Regional Scale LCT – 2b: Planned and Drained Fens and Carrlands Cottam 3b	Scoped Out	Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT – 4a: Unwooded Vales Cottam 3b	Medium	Very Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Regional Scale LCT – 4b: Wooded Vales Cottam 3b	Scoped Out	Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT – 4a: Unwooded Vales Cottam 1 to Cottam 2 Cable Corridor	Medium	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Long Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT – 4a: Unwooded Vales Cottam 2 to Cottam 3a and 3b Cable Corridor	Medium	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Long Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT – 3a: Floodplain Valleys Cottam 1 to CPS Cable Corridor	Medium	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Long Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT – 4a: Unwooded Vales Cottam 1 to CPS Cable Corridor	Medium	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Long Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Land Use									

			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors		Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
Land Use Cottam 1	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Land Use Cottam 2	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Land Use Cottam 3a and 3b	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Topography and Watercourses										
Topography & Watercourses Cottam 1	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Very Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Topography & Watercourses Cottam 2	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Min-Mod Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Very Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Topography & Watercourses Cottam 3	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route		Very Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant

			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors		Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
	Corridor						Not Significant	Not Significant	Significant	Not Significant
Communication and Infrastructure										
Communication and Infrastructure Cottam 1	5km Study Area	Medium	Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Medium Short Term	Low Long Term	Low Long Term	Very Low Short Term	Moderate Adverse Significant	Minor Adverse Not Significant	Minor Adverse Not significant	Negligible Neutral Not Significant
Communication and Infrastructure Cottam 2	5km Study Area	Medium	Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Medium Short Term	Low Long Term	Low Long Term	Very Low Short Term	Moderate Adverse Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
Communication and Infrastructure Cottam 3	5km Study Area	Medium	Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor		Medium Short Term	Low Long Term	Low Long Term	Very Low Short Term	Moderate Adverse Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
Settlements, Industry, Commerce and Leisure										
Settlement, Industry, Commerce & Leisure Cottam 1	5km Study Area	Med - High	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Min-Mod Beneficial Not Significant	Min-Mod Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
Settlement, Industry, Commerce & Leisure Cottam 2	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Min-Mod Beneficial Not Significant	Min-Mod Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Med - Low	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
Settlement, Industry, Commerce & Leisure	5km Study Area	Med - High	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse	Min-Mod Beneficial	Min-Mod Beneficial	Negligible Neutral

			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors		Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
Cottam 3							Not Significant	Not Significant	Not Significant	Not Significant
	Site/Sites and Cable Route Corridor	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
Public Rights of Way and Access										
Public Rights of Way and Access Cottam 1	5km Study Area	High	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Min-Mod Beneficial Not Significant	Min-Mod Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	High - Med	Very Low Short Term	Low Short Term	Low Long Term	Very Low Short Term				
Public Rights of Way and Access Cottam 2	5km Study Area	High	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Min-Mod Beneficial Not Significant	Min-Mod Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	High - Med	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term				
Public Rights of Way and Access Cottam 3a and 3b	5km Study Area	High	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Min-Mod Beneficial Not Significant	Min-Mod Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	High - Med	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term				
National and Locally Designated Landscapes										
Nationally and Locally Designated Landscapes Cottam 1	5km Study Area	High	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Short Term Not Significant
Nationally and Locally Designated Landscapes Cottam 2	5km Study Area	High	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Nationally and Locally	5km Study Area	High	Very Low	Very Low	Very Low	Very Low	Negligible	Negligible	Negligible	Negligible

			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors		Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
Designated Landscapes Cottam 3			Short Term	Long Term	Long Term	Short Term	Adverse Not Significant	Neutral Not Significant	Neutral Not Significant	Beneficial Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens										
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens Cottam 1	5km Study Area	Med - High	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens Cottam 2	5km Study Area	Med - High	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Long Term	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens Cottam 3	5km Study Area	Med - High	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Ancient Woodlands and Natural Designations										
Ancient Woodlands and Natural Designations Cottam 1	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant

			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors		Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
Ancient Woodlands and Natural Designations Cottam 2	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Ancient Woodlands and Natural Designations Cottam 3	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Neutral Not Significant	Minor Beneficial Not Significant	Minor Beneficial Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Medium	Low Short Term	Low Long Term	Medium Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Beneficial Not Significant	Moderate Beneficial Significant	Negligible Neutral Not Significant
Cable Route Corridor										
Regional Scale LCT 3a: Floodplain Valleys Cable Route Corridor Cottam 1 to Cottam Power Station	5km Study Area	Medium (0.5km study area)	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Med - Low	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a: Unwooded Vales Cable Route Corridor Cottam 1 to Cottam Power Station	5km Study Area	Medium (0.5km study area)	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Med - Low	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a: Unwooded Vales Cable Route Corridor Cottam 1 to Cottam 2	5km Study Area	Medium (0.5km study area)	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Site/Sites and Cable Route Corridor	Med - Low	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a: Unwooded Vales Cable Route Corridor Cottam 2 to Cottam 3a	5km Study Area	Medium (0.5km Study Area)	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant

			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors		Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
and 3b	Site/Sites and Cable Route Corridor	Med - Low	Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Substation Sites										
Regional Scale LCT 4a: Unwooded Vales Substation Site Cottam 1 West A	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Land Use	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
	Topography	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
Regional Scale LCT 4a: Unwooded Vales Substation Site Cottam 1 West B	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Land Use	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
	Topography	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
Regional Scale LCT 4a: Unwooded Vales Substation Site Cottam 2	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Land Use	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
	Topography	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
Regional Scale LCT 4a: Unwooded Vales Substation Site Cottam 3a	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Land Use	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse	Mod-Maj Adverse	Moderate Adverse	Minor Neutral

		Construction	Operational		Decommissioning	Construction	Operational		Decommissioning	
Landscape Receptors		Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after year 15). With 'primary' and 'secondary' mitigation.	Landscape Effects With 'primary' and 'secondary' mitigation.
							Significant	Significant	Significant	Not Significant
	Topography	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
Regional Scale LCT 4a: Unwooded Vales Substations Cottam 3b	5km Study Area	Medium	Very Low Short Term	Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant
	Land Use	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant
	Topography	Medium	High Short Term	High Long Term	Medium Long Term	Low Short Term	Mod-Maj Adverse Significant	Mod-Maj Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant

Approach to assessment of the In Combination and Cumulative Landscape Effects:

There are two ways the assessment of the In Combination and Cumulative Landscape Effects has been approached. Firstly, there are cumulative sites, which are the four areas of land forming the Sites which have each been assessed at the construction, operation (Year 1 and Year 15) stages of the Scheme. This is also referred to as 'in combination effects'. Please refer to C6.4.8.15.1 ES Figure 8.15.1 [APP-290] and C6.4.8.15.1.1 ES Figure 8.15.1.1 [APP-291] to C6.4.8.15.1.3 ES Figure 8.15.1.3 [APP-293]. Secondly, there are cumulative developments that have been assessed, to understand the effects of the Scheme in combination with other solar developments. The assessment has been undertaken at the construction, operation (Year 1 and Year 15) stages of the Scheme. Please refer to C6.4.8.15.2 ES Figure 8.15.2 [APP-294], C6.4.8.15.2.1 ES Figure 8.15.2.1 [APP-295], C6.4.8.15.2.2 ES Figure 8.15.2.2 [APP-296], C6.4.8.15.2.3 ES Figure 8.15.2.3 [APP-297], C6.4.8.15.2.4 ES Figure 8.15.2.4 [APP-298], C6.4.8.15.2.5 ES Figure 8.15.2.5 [APP-299], C6.4.8.15.2.6 ES Figure 8.15.2.6 [APP-300], C6.4.8.15.2.7 ES Figure 8.15.2.7 [APP-301], C6.4.8.15.2.8 ES Figure 8.15.2.8 [APP-302] and C6.4.8.15.2.9 ES Figure 8.15.2.9 [APP-303].

Assessment of In-Combination and Cumulative Landscape Effects in isolation:

Table 2 below sets out the cumulative and in-combination assessments with the effects set out in Table 1 already taken into account (i.e., so if a significant effect has already been identified to a receptor in Table 1 the cumulative and in-combination assessment does not double count this).

In Combination or Cumulative Landscape Effects may result from adding new types of change or from increasing or extending the effects of the main project when it is considered in isolation. For example, the landscape effects of the project may be judged to be significant when taken in their own right, but when taken together with the effects of other similar sites or developments, the In Combination or Cumulative Landscape Effects may become less than significant from their combined effect.

Table 2: Assessment of In Combination and Cumulative Landscape Significance of Effect.

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
National Scale Landscape Character										
NCA Profile: 39 Humberhead Levels (NE339)	Scoped Out		These National Character Areas (NCAs) are at a large scale, large geographic area of land and are included to provide context only, as opposed to being a receptor to be assessed. Key characteristics that are considered to be relevant are taken into consideration in the process of the assessment, since each NCA profile brings forward the natural and cultural features that shape the landscape, how the landscape has changed over time, the current key drivers for on-going change, and a broad analysis of each area's characteristics and ecosystem services. 'Statements of Environmental Opportunity (SEOs) are also considered further within the assessment process since it is considered these opportunities could complement and where possible enhance local distinctiveness.							
NCA Profile: 45 Northern Lincolnshire Edge with Coversands (NE554)										
NCA Profile: 48 Trent and Belvoir Vales (NE429)										

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
Regional Scale Landscape Character										
Regional Scale LCT - 3a Floodplain Valleys Cottam 1	Scoped Out		Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT - 4a Unwooded Vales Cottam 1	In Combination with: Cottam 2, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Regional Scale LCT - 4a Unwooded Vales Cottam 2	In Combination with: Cottam 1, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Tillbridge Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Regional Scale LCT - 4b Wooded Vales Cottam 2	Scoped Out		Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT - 6a Limestone Scarps and Dipslopes Cottam 2										
Regional Scale LCT - 2b Planned and Drained Fens and Carrlands Cottam 3a										

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
Regional Scale LCT - 4a Unwooded Vales Cottam 3a	In Combination with: Cottam 1, 2 and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Tillbridge Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Regional Scale LCT - 4b Wooded Vales Cottam 3a	In Combination with: Cottam 1, 2 and 3b	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Tillbridge Solar	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Regional Scale LCT - 2b Planned and Drained Fens and Carrlands Cottam 3b	Scoped Out		Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT - 4a Unwooded Vales Cottam 3b	In Combination with: Cottam 1, 2 and 3a	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Tillbridge Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Regional Scale LCT - 4b Wooded Vales Cottam 3b	Scoped Out		Distance to site and limited spatial/geographical relevance to Site and/or Study Area.							
Regional Scale LCT - 4a Unwooded Vales Cottam 1 to Cottam 2 Cable Corridor	In Combination with: Cottam 1, 2, 3a and 3b Cable Route C2 to C3a and 3b Cable Route CPS to C1	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
Regional Scale LCT - 4a Unwooded Vales Cottam 2 to Cottam 3a and 3b Cable Corridor	In Combination with: Cottam 1, 2, 3a and 3b Cable Route C1 to C2 Cable Route CPS to C1	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT - 3a Floodplain Valleys Cottam 1 to CPS Cable Corridor	In Combination with: Cottam 1, 2, 3 and 3b Cable Route C1 to C2 Cable Route C2 to C3a and 3b	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT - 4a Unwooded Vales Cottam 1 to CPS	In Combination with: Cottam 1, 2, 3a and 3b Cable Route C1 to C2 Cable Route C2 to C3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Land Use										
Land Use Cottam 1	In Combination with: Cottam 2, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
Land Use Cottam 2	In Combination with: Cottam 1, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
Land Use Cottam 3a and 3b	In Combination with: Cottam 1 and 2	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
Topography and Watercourses										
Topography and Watercourses Cottam 1	In Combination with: Cottam 2, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Beneficial Not Significant	Minor Neutral Not Significant
Topography and Watercourses Cottam 2	In Combination with: Cottam 1, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Beneficial Not Significant	Minor Neutral Not Significant
Topography and Watercourses Cottam 3a and 3b	In Combination with: Cottam 1 and 2	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Beneficial Not Significant	Minor Neutral Not Significant
Communication and Infrastructure										
Communication and Infrastructure Cottam 1	In Combination with: Cottam 2, 3a and 3b	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
Communication and Infrastructure Cottam 2	In Combination with: Cottam 1, 3a and 3b	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
Communication and Infrastructure Cottam 3a and 3b	In Combination with: Cottam 1 and 2	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
Settlements, Industry, Commerce and Leisure										
Settlements, Industry, Commerce & Leisure Cottam 1	In Combination with: Cottam 2, 3a and 3b	Med-High	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
Settlement, Industry, Commerce & Leisure Cottam 2	In Combination with: Cottam 1, 3a and 3b	Medium	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Med-Low	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Settlements, Industry, Commerce & Leisure Cottam 3a and 3b	In Combination with: Cottam 1 and 2	Med-High	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Public Rights of Way and Access										
Public Rights of Way and Access Cottam 1	In Combination with: Cottam 2, 3a and 3b	High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Neutral & Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	High-Med	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Public Rights of Way and Access Cottam 2	In Combination with: Cottam 1, 3a and 3b	High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	High-Med	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Public Rights of Way and Access Cottam 3	In Combination with: Cottam 1 and 2	High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	High-Med	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
National and Locally Designated Landscapes Analysis & Evaluation										
National and Locally Designated Landscapes Cottam 1	In Combination with: Cottam 2, 3a and 3b	High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
National and Locally Designated Landscapes Cottam 2	In Combination with: Cottam 1, 3a and 3b	High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
National and Locally Designated Landscapes Cottam 3a and 3b	In Combination with: Cottam 1 and 2	High Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	High Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens										
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens Cottam 1	In Combination with: Cottam 2, 3a and 3b	Med-High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens	In Combination with: Cottam 1, 3a and 3b	Med-High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
Cottam 2	West Burton Solar									
Scheduled Monuments, Listed Buildings, Conservation Areas and Registered Parks and Gardens Cottam 3a and 3b	In Combination with: Cottam 2, 3a and 3b	Med-High	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Neutral & Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Ancient Woodlands and Natural Designations										
Ancient Woodlands and Natural Designations Cottam 1	In Combination with: Cottam 2, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Ancient Woodlands and Natural Designations Cottam 2	In Combination with: Cottam 1, 3a and 3b	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Ancient Woodlands and Natural Designations Cottam 3	In Combination with: Cottam 1 and 2	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
Cable Route Corridor										

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
Regional Scale LCT 3a Floodplain Valleys Cable Route Corridor Cottam 1 to Cottam Power Station	In Combination with: Cottam 1, 2, 3a and 3b Cottam 1 to Cottam 2 Cable Route C1 to C2 Cable Route C2 to C3a and 3b	Med-Low	Very Low Short Term	Very Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Med-Low	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a Unwooded Vales Cable Route Corridor Cottam 1 to Cottam Power Station	In Combination with: Cottam 1, 2, 3a and 3b Cable Route C1 to C2 Cable Route C2 to C3a and 3b	Med-Low	Very Low Short Term	Very Low Long Term	Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Med-Low	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a Unwooded Vales Cable Route Corridor Cottam 1 to Cottam 2	In Combination with: Cottam 1, 2, 3a and 3b Cable Route CPS to C1 Cable Route C2 to C3a and 3b	Med-Low	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Med-Low	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a Unwooded Vales Cable Route Corridor Cottam 2 to Cottam 3a and 3b	In Combination with: Cottam 1, 2, 3a and 3b Cable Route CPS to C1 Cable Route C1 to C2	Med-Low	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Beneficial Not Significant	Negligible Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Med-Low	Very Low Short Term	Very Low Long Term	Very Low Long Term	Very Low Short Term	Negligible Adverse Not Significant	Negligible Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
Substation Sites										
Regional Scale LCT 4a Unwooded Vales Substation Site Cottam 1 West A	In Combination with: Cottam 1, 2, 3a and 3b Cable Route CPS to C1 Cable Route C1 to C2	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a Unwooded Vales Substation Site Cottam 1 West B	In Combination with: Cottam 1, 2, 3a and 3b Cable Route CPS to C1 Cable Route C1 to C2	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a Unwooded Vales Substation Site Cottam 2	In Combination with: Cottam 1, 2, 3a and 3b Cable Route CPS to C1 Cable Route C1 to C2	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a Unwooded Vales Substation Site Cottam 3a	In Combination with: Cottam 1, 2, 3a and 3b Cable Route CPS to C1 Cable Route C1 to C2	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant
Regional Scale LCT 4a Unwooded Vales Substation Site Cottam 3b	In Combination with: Cottam 1, 2, 3a and 3b Cable Route CPS to C1 Cable Route C1 to C2	Medium	Medium Short Term	Medium Long Term	Low Long Term	Low Short Term	Moderate Adverse Significant	Moderate Adverse Significant	Minor Neutral Not Significant	Minor Neutral Not Significant

			Magnitude of Change				Significance of Effect			
			Construction	Operational		Decommissioning	Construction	Operational		Decommissioning
Landscape Receptors	In Combination / Cumulative	Sensitivity	Magnitude	Magnitude (Year 1)	Magnitude (Year 15)	Magnitude	Landscape Effects	Landscape Effects (after construction/ year 1). With 'primary' and 'secondary' mitigation.	Landscape Effects (after Year 15). With 'primary' and 'secondary' mitigation.	Visual Effects With 'primary' and 'secondary' mitigation.
	Cumulative with: Gate Burton Solar Tillbridge Solar West Burton Solar	Medium	Low Short Term	Low Long Term	Very Low Long Term	Very Low Short Term	Minor Adverse Not Significant	Minor Adverse Not Significant	Negligible Neutral Not Significant	Negligible Neutral Not Significant