



Chapter 17: Summary of Significant Effects

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17. SUMMARY OF SIGNIFICANT EFFECTS

17.1 Introduction

- 17.1.1.1 This Chapter provides a summary of the predicted environmental effects of the Proposed Development that would be considered Significant under EIA Regulations, as identified through the Environmental Impact Assessment (EIA) process.
- 17.1.1.2 Each technical chapter (**Chapters 6–15**) of the EIA Report (EIAR) assesses the likely environmental effects arising from the construction, operation, and decommissioning of the Proposed Development. This Chapter presents a consolidated overview of those findings.
- 17.1.1.3 **Table 17.1** below identifies the receptor, the predicted significant effect, and a high level overview of the embedded or additional mitigation associated with the predicted effect.
- 17.1.1.4 Detailed descriptions of all proposed mitigation measures are provided in **Chapter 18: Schedule of Mitigation**.
- 17.1.1.5 The level of effect has been determined using the methodology set out in each technical chapter. Unless otherwise stated, effects are categorised as major, moderate, minor, or negligible.

TABLE 17.1 SUMMARY OF SIGNIFICANT EFFECTS

CHAPTER	RECEPTOR	PREDICTED EFFECT	MITIGATION	RESIDUAL EFFECT
Construction and Decommissioning Phases				
Chapter 6: Landscape and Visual	No significant residual effects on Landscape Character or designated Landscapes are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
	Visual effects on Local roads, paths and residents within around 0.4 km of the Proposed Development	Frequent and close proximity views of construction and decommissioning activity.	Embedded Mitigation: - Managing existing hedgerows and panel setbacks; - Reinforcement of existing hedgerows; - Retention of woodland within deans and cleughs; - Additional woodland planting; and - Seeding and management of panel areas	Major / Moderate adverse
Chapter 7: Archaeology and Cultural Heritage	No significant residual effects on Archaeology and Cultural Heritage are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 8: Ecology and Nature Conservation	No significant residual effects on Ecology and Nature Conservation are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 9: Water Resources and Flood Risk	No significant residual effects on Water Resources and Flood Risk are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 10: Geology and Soils	No significant residual effects on Geology and Soils are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 11: Transport Statement	No significant residual effects on Traffic and Transport are predicted during the Construction and Decommissioning Phases of the Proposed Development.			

CHAPTER	RECEPTOR	PREDICTED EFFECT	MITIGATION	RESIDUAL EFFECT
Chapter 12: Noise and Vibration	No significant residual effects on Noise and Vibration are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 13: Socio-economics, land-use, Tourism and Recreation	No significant residual effects on Socio-economics, Land-use, Tourism and Recreation are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 14: Greenhouse Gas Assessment	No significant residual effects on Greenhouse Gas emissions are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 15: Other Issues	No significant residual effects on Glint and Glare, Human Health involving Electromagnetic Fields, and Major Accidents and Disasters are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Chapter 16	No significant residual In-Combination effects are predicted during the Construction and Decommissioning Phases of the Proposed Development.			
Operational Phase				
Chapter 6: Landscape and Visual	No significant residual effects on Landscape Character or Designated Landscapes are predicted during the Operational Phase of the Proposed Development.			
	Local roads, paths and residents within around 0.4 km of the Proposed Development	Frequent, close proximity views of the Proposed Development and associated infrastructure.	Embedded Mitigation: - Managing existing hedgerows and panel setbacks - Reinforcement of existing hedgerows - Retention of woodland within deans and cleughs - Additional woodland planting - Seeding and management of panel areas	Major / Moderate Adverse
Chapter 7: Archaeology and Cultural Heritage	No significant residual effects on Archaeology and Cultural Heritage are predicted during the Operational Phase of the Proposed Development.			

CHAPTER	RECEPTOR	PREDICTED EFFECT	MITIGATION	RESIDUAL EFFECT
Chapter 8: Ecology and Nature Conservation	No significant residual effects on Ecology and Nature Conservation are predicted during the Operational Phase of the Proposed Development.			
Chapter 9: Water Resources and Flood Risk	No significant residual effects on Water Resources and Flood Risk are predicted during the Operational Phase of the Proposed Development.			
Chapter 10: Geology and Soils	No significant residual effects on Geology and Soils are predicted during the Operational Phase of the Proposed Development.			
Chapter 11: Transport Statement	No significant residual effects on Traffic and Transport are predicted during the Operational Phase of the Proposed Development.			
Chapter 12: Noise and Vibration	No significant residual effects on Noise and Vibration are predicted during the Operational Phase of the Proposed Development .			
Chapter 13: Socio-economics, land-use, Tourism and Recreation	No significant residual effects on Socio-economics, Land-use, Tourism and Recreation are predicted during the Operational Phase of the Proposed Development.			
Chapter 14: Greenhouse Gas	Atmosphere	Over the Proposed Development's 40-year lifetime it will offset around 1,801, 000 tCO ₂ e of UK grid generation	N/A	Beneficial

CHAPTER	RECEPTOR	PREDICTED EFFECT	MITIGATION	RESIDUAL EFFECT
Chapter 15: Other Issues	No significant residual effects on Glint and Glare, Human Health involving Electromagnetic Fields, and Major Accidents and Disasters are predicted during the Operational Phase of the Proposed Development.			
Chapter 16	No significant residual In-Combination effects are predicted during the Operational Phase of the Proposed Development.			