



THE DROVES
SOLAR FARM

The Drovers Solar Farm

Preliminary Environmental Information Report

Volume I, Chapter 17: Summary of Residual Significant Effects

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17 Summary of Residual Significant Effects

17.1 Introduction

- 17.1.1 This chapter of the Preliminary Environmental Information Report (PEIR) presents a summary of the residual significant effects concluded in the technical chapters of the PEIR (**Volume I, Chapters 6-15**). These are the residual effects that have been assessed as remaining after the implementation of any additional mitigation measures and are expected to be experienced as a result of the Scheme, at this preliminary stage.
- 17.1.2 Each technical chapter contains detailed consideration of both the beneficial and adverse effects identified as likely to arise from the Scheme. The criteria applied to determine the significance of residual effects are defined within **Volume I, Chapter 3: Environmental Impact Assessment Process and Methodology**, with further detail provided within the individual technical chapters. Where technical chapters have deviated from this standard methodology, this is explained in the respective chapters and justification for the reason provided (for example to align with industry-standard guidance for that discipline).
- 17.1.3 The purpose of this PEIR chapter is to provide a focussed summary of the residual significant environmental effects that are expected to arise as a result of the Scheme. This chapter does not re-present all of the likely significant effects concluded within each of the technical topics, and these can be found within each of the technical chapters of the PEIR (**Volume I, Chapters 6-15**).
- 17.1.4 The summary of residual effects provided in this chapter is based on the preliminary information available for the Scheme at the time of writing, intended to inform consultees on the potential for significant residual environmental effects. The design of the Scheme is not final at this stage and is expected to evolve in response to consultation comments received from a review of the PEIR and other consultation documents and ongoing environmental surveys. The summary of residual significant effects in this PEIR chapter represents a 'point-in-time' and should not be considered representative of the final residual effects that the Scheme will incur.
- 17.1.5 Table 17.1 and Table 17.2 present the residual significant effects resulting from the Construction and Decommissioning Phases, and the Operational Phase, respectively.



Table 17.1 Residual Significant Effects during the Construction and Decommissioning Phases

Receptor	Sensitivity	Description of Residual Effect	Duration	Scale and Nature
Chapter 6: Landscape and Visual				
Landscape				
D1: Swaffham Heath LCA <u>Within the Site</u>	Medium-Low	Total or major alteration to key elements, features, qualities or characteristics, such that post-development the baseline will be fundamentally changed.	Short-Term	Moderate Adverse
E6 North Pickenham Plateau LCA <u>Within the Site</u>	Medium-Low	Total or major alteration to key elements, features, qualities or characteristics, such that post-development the baseline will be fundamentally changed.	Short-Term	Moderate Adverse
B7: River Nar Tributary Farmland LCA <u>Within the Site</u>	Medium	Adverse perceptual impacts on the character of the Landscape Character Area.	Short-Term	Moderate Adverse
Visual (Medium Term)				



Receptor	Sensitivity	Description of Residual Effect	Duration	Scale and Nature
VRG1: Central Site Area	High-Medium	Direct visibility, affecting visual amenity of receptors.	Short-Term	Major-Moderate Adverse
VRG2: North-Eastern Site Area	High	Direct visibility, affecting visual amenity of receptors.	Short-Term	Major-Moderate Adverse
VRG3: Nar Valley Southern Slope and Settlement Edge of South Acre	High-Medium	Partial visibility, affecting visual amenity of receptors.	Short-Term	Moderate Adverse
The Peddars Way and Norfolk Coastal Path	High	Partially screened views, affecting visual amenity of receptor.	Short-Term	Major-Moderate Adverse
Rebellion Way Cycle Route	Medium	Direct visibility of the Scheme, affecting visual amenity of receptor.	Short-Term	Moderate Adverse

Chapter 7: Ecology and Biodiversity

No significant residual effects on ecology and biodiversity have been identified during the construction and decommissioning of the Scheme.

Chapter 8: Cultural Heritage and Archaeology

No significant residual effects on cultural heritage and archaeology have been identified during the construction and decommissioning of the Scheme.



Receptor	Sensitivity	Description of Residual Effect	Duration	Scale and Nature
Chapter 9: Transport and Access				
No significant residual effects on transport and access have been identified during the construction and decommissioning of the Scheme.				
Chapter 10: Noise and Vibration				
No significant residual effects on noise and vibration have been identified during the construction and decommissioning of the Scheme.				
Chapter 11: Soils and Agriculture				
No significant residual effects on soils and agricultural land have been identified during the construction and decommissioning of the Scheme.				
Chapter 12: Water Resources				
No significant residual effects on water resources have been identified during the construction and decommissioning of the Scheme.				
Chapter 13: Climate Change				
No significant residual effects on climate change have been identified during the construction and decommissioning of the Scheme.				
Chapter 14: Socio-Economics and Human Health				
Socio-Economics				



Receptor	Sensitivity	Description of Residual Effect	Duration	Scale and Nature
Provision of education, skills, training and supply chain.	High	Provision of opportunities for upskilling and training, creation of substantial employment opportunities, support for a range of supply chain opportunities.	Short-Term	Major Beneficial
Human Health				
Provision of education, skills, training and supply chain.	Medium	Greater opportunity for residents to upskill and greater employment opportunities in the area.	Short-Term	Major Beneficial
Chapter 15: Other Environmental Matters				
No significant residual effects on the topics covered under other environmental matters have been identified during the construction and decommissioning of the Scheme.				



Table 17.2 Residual Significant Effects during the Operational Phase

Receptor	Sensitivity	Description of Effect	Duration	Scale and Nature
Chapter 6: Landscape and Visual				
Landscape				
D1: Swaffham Heath LCA <u>Within the Site</u>	Medium-Low	Total or major alteration to key elements, features, qualities or characteristics, such that post-development the baseline will be fundamentally changed.	Long Term	Major-Moderate to Moderate Adverse
E6 North Pickenham Plateau LCA <u>Within the Site</u>	Medium-Low	Total or major alteration to key elements, features, qualities or characteristics, such that post-development the baseline will be fundamentally changed.	Long Term	Major-Moderate to Moderate Adverse
Visual (Medium Term)				
VRG1: Central Site Area	High-Medium	Direct visibility of the Scheme, affecting visual amenity of receptors.	Medium-Term	Major-Moderate Adverse



Receptor	Sensitivity	Description of Effect	Duration	Scale and Nature
VRG2: North-Eastern Site Area	High	Direct visibility of the Scheme, affecting visual amenity of receptors.	Medium-Term	Major Adverse
VRG3: Nar Valley Southern Slope and Settlement Edge of South Acre	High-Medium	Partial visibility of the Scheme, affecting visual amenity of receptors.	Medium-Term	Moderate Adverse
The Peddars Way and Norfolk Coastal Path <u>Over a limited extent only. Within and up to 300m from the Site.</u>	High	Partially screened views of the Scheme, affecting visual amenity of receptor.	Medium-Term	Moderate Adverse
Rebellion Way Cycle Route <u>Over a limited extent only. Within the Site</u>	Medium	Direct visibility of the Scheme, affecting visual amenity of receptor.	Medium-Term	Moderate Adverse
Visual (Long Term)				
VRG2: North-Eastern Site Area	High	Direct visibility of the Scheme, affecting visual amenity of receptors.	Long-Term	Major Adverse
Chapter 7: Ecology and Biodiversity				



Receptor	Sensitivity	Description of Effect	Duration	Scale and Nature
Breeding Birds (other species)	Site	Increased habitat opportunities through new native planting and grassland provision and associated habitat management.	Long Term	Significant Beneficial
Reptiles	Site	Increased habitat opportunities through ongoing grassland habitat creation and maintenance around Solar PV Arrays.	Long Term	Significant Beneficial
Chapter 8: Cultural Heritage and Archaeology				
Cultural Heritage				
Castle Acre Castle (Scheduled Monument and Grade I Listed Building)	High	Presence of the Scheme within the setting of the heritage asset.	Long Term	Moderate Adverse (less than substantial harm)
Castle Acre Priory (Scheduled Monument and Grade I Listed Building)	High	Presence of the Scheme within the setting of the heritage asset.	Long Term	Moderate Adverse (less than substantial harm)
Archaeology				



Receptor	Sensitivity	Description of Effect	Duration	Scale and Nature
No significant residual effects on archaeology have been identified during the operation of the Scheme.				
Chapter 9: Transport and Access				
No significant residual effects on transport and access have been identified during the operation of the Scheme.				
Chapter 10: Noise and Vibration				
No significant residual effects on noise and vibration have been identified during the operation of the Scheme.				
Chapter 11: Soils and Agriculture				
No significant residual effects on soils and agricultural land have been identified during the operation of the Scheme.				
Chapter 12: Water Resources				
No significant residual effects on water resources have been identified during the operation of the Scheme.				
Chapter 13: Climate Change				
Global Climate	High	Operational GHG emissions reductions compared to without-project baseline.	Long-Term	Significant Beneficial



Receptor	Sensitivity	Description of Effect	Duration	Scale and Nature
Chapter 14: Socio-Economics and Human Health				
Socio-Economics				
Provision of education, skills, training and supply chain.	High	Limited operational employment opportunities and support for long-term skills development.	Long-Term	Moderate Beneficial
Human Health				
Provision of education, skills, training and supply chain.	Medium	Positive mental health impact as a result of access to education and training through offering a sense of security, purpose, and personal development. Awareness of future employment opportunities can contribute to improved confidence and optimism about the future.	Long-Term	Moderate Beneficial
Chapter 15: Other Environmental Matters				
No significant residual effects on the topics covered under other environmental matters have been identified during the operation of the Scheme.				



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