

Frodsham Solar

Environmental Statement

Volume 1: Main Report

Chapter 14: Summary of Environmental Effects

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14.0 SUMMARY OF EFFECTS

14.1 Introduction

- 14.1.1 This Chapter of the ES provides a summary of the likely significant residual effects of the Proposed Development, based on the assessments reported in this ES. The summary of effects covers the Construction, Operational and Decommissioning Phases of the Proposed Development as appropriate and is provided in Section 14.2.

14.2 Summary of Likely Significant Effects

Table 14-1 – Construction Phase – Residual Likely Significant Effects

Receptor	Sensitivity of Receptor	Magnitude of Impact	Residual Effect
ES Volume 1 Chapter 5 Climate Change			
No significant residual effects are predicted during the Construction Phase.			
ES Volume 1 Chapter 6 Landscape and Visual			
Landscape Receptors			
CWaCC LCA4a: Frodsham, Helsby and Lordship Marshes	Medium to High	Medium	Moderate to Major Adverse (Significant)
Visual Receptors			
Viewpoint 17: Public footpath within draft Order Limits	High	Medium	Moderate to Major Adverse (Significant)
Viewpoint 18: Restricted byway leading to Frodsham Marsh Farm	Medium to High	Large	Moderate to Major Adverse (Significant)
Viewpoint 20: Restricted byway, Cross Lane	High	Medium	Moderate to Major Adverse (Significant)
Viewpoint 21: Restricted byway, Straight Length	High	Medium	Moderate to Major Adverse (Significant)
Viewpoint 23: Public footpath, adj. to Manchester Ship Canal	High	Medium	Moderate to Major Adverse (Significant)
Viewpoint 25: Public footpath adj. to River Weaver	High	Medium to Large	Moderate to Major Adverse (Significant)
ES Volume 1 Chapter 7 Terrestrial Ecology			
Frodsham, Helsby and Ince Marshes LWS	Medium	Moderate	Moderate Adverse (Significant)

Receptor	Sensitivity of Receptor	Magnitude of Impact	Residual Effect
<i>ES Volume 1 Chapter 8 Ornithology</i>			
No significant residual effects are predicted during the Construction Phase.			
<i>ES Volume 1 Chapter 9 Flood Risk, Drainage and Surface Water</i>			
No significant residual effects are predicted during the Construction Phase.			
<i>ES Volume 1 Chapter 10 Ground Conditions</i>			
No significant residual effects are predicted during the Construction Phase.			
<i>ES Volume 1 Chapter 11 Cultural Heritage</i>			
No significant residual effects are predicted during the Construction Phase.			
<i>ES Volume 1 Chapter 12 Tourism and Recreation</i>			
No significant residual effects are predicted during the Construction Phase.			

Table 14-2 – Operational Phase – Residual Likely Significant Effects

Receptor	Sensitivity of Receptor	Magnitude of Impact	Residual Effect
ES Volume 1 Chapter 5 Climate Change			
Atmospheric Greenhouse Gas Emissions	-	-	Beneficial (Significant)
ES Volume 1 Chapter 6 Landscape and Visual			
Landscape Receptors			
Tree Belts and Hedgerow Trees	High	Medium	Moderate to Major Beneficial (Significant)
Waterbodies and Wetland Vegetation	High	Medium	Moderate to Major Beneficial (Significant)
CWaCC LCA4a: Frodsham, Helsby and Lordship Marshes	Medium to High	Medium	Moderate to Major Adverse (Significant)
Visual Receptors (Year 10)			
Viewpoint 18: Restricted byway leading to Frodsham Marsh Farm	Medium to High	Large	Moderate to Major Adverse (Significant)
Users of byways Frodsham RB102 and Frodsham RB108	Medium to High	Large	Moderate to Major Adverse (Significant)
ES Volume 1 Chapter 7 Terrestrial Ecology			
Frodsham, Helsby and Ince Marshes LWS	Medium	Moderate	Moderate Beneficial (Significant)
ES Volume 1 Chapter 8 Ornithology			
International / National Statutory Designated Sites for Nature Conservation - Mersey Estuary SPA, Ramsar and SSSI	High	Moderate	Moderate Beneficial (Significant)

Receptor	Sensitivity of Receptor	Magnitude of Impact	Residual Effect
Non-Statutory Designated Sites for Nature Conservation – Frodsham, Helsby and Ince Marshes LWS, Upper Mersey Estuary LWS and Clifton Lagoon LWS	Medium	Moderate	Moderate Beneficial (Significant)
Non-Breeding Birds	High	Moderate	Moderate Beneficial (Significant)
ES Volume 1 Chapter 9 Flood Risk, Drainage and Surface Water			
No significant residual effects are predicted during the Operational Phase.			
ES Volume 1 Chapter 10 Ground Conditions			
No significant residual effects are predicted during the Operational Phase.			
ES Volume 1 Chapter 11 Cultural Heritage			
No significant residual effects are predicted during the Operational Phase.			
ES Volume 1 Chapter 12 Tourism and Recreation			
No significant residual effects are predicted during the Operational Phase.			

Table 14-3 – Decommissioning Phase – Residual Likely Significant Effects

Receptor	Sensitivity of Receptor	Magnitude of Impact	Residual Effect
<i>ES Volume 1 Chapter 5 Climate Change</i>			
No significant residual effects are predicted during the Decommissioning Phase.			
<i>ES Volume 1 Chapter 6 Landscape and Visual</i>			
Residual effects at the Decommissioning Phase would be comparable to those as reported for the Construction Phase.			
<i>ES Volume 1 Chapter 7 Terrestrial Ecology</i>			
No significant residual effects are predicted during the Decommissioning Phase.			
<i>ES Volume 1 Chapter 8 Ornithology</i>			
No significant residual effects are predicted during the Decommissioning Phase.			
<i>ES Volume 1 Chapter 9 Flood Risk, Drainage and Surface Water</i>			
No significant residual effects are predicted during the Decommissioning Phase.			
<i>ES Volume 1 Chapter 10 Ground Conditions</i>			
No significant residual effects are predicted during the Decommissioning Phase.			
<i>ES Volume 1 Chapter 11 Cultural Heritage</i>			
No significant residual effects are predicted during the Decommissioning Phase.			
<i>ES Volume 1 Chapter 12 Tourism and Recreation</i>			
No significant residual effects are predicted during the Decommissioning Phase.			

