



**East Pye Solar  
Environmental Statement  
Volume 1: Chapter 20 – Summary of Residual  
Significant Effects**

**Revision 1  
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## 20 Summary of Significant Residual Effects

### 20.1 Introduction

- 20.1.1 This chapter of the Environmental Statement (ES) summarises the significant residual effects of the Scheme. Residual effects are defined as those effects that remain following the implementation of embedded and additional mitigation measures. Residual effects and mitigation measures are discussed in full in the relevant technical chapters (**ES: Chapters 6 – 18 [EN0110014/APP/6.1.6 to 6.1.18]**).
- 20.1.2 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 effects are defined within **ES: Chapter 2 EIA Methodology [EN0110014/APP/6.1.2]**, 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 provided (for example, to align with industry-standard guidance for that discipline).
- 20.1.3 The ES has been prepared in parallel with the design process and development of the embedded and additional mitigation identified within the ES technical chapter. The residual effects are described with reference to the scale of effects (for example, minor, moderate, or major) and whether this is significant or not, and the nature of the effect (i.e. adverse or beneficial).

### 20.2 Summary of Significant Residual Effects

- 20.2.1 A summary of the identified significant residual effects for each topic is provided in **Table 20.1 Summary of Residual Effects (Construction)**, **Table 20.2 Summary of Residual Effects (Operation and Maintenance)** and **Table 20.3 Summary of Residual Effects (decommissioning)**.
- 20.2.2 A summary of the Cumulative Effects is provided in **Table 20.4 Summary of Cumulative Effects**.
- 20.2.3 The conclusions are based on information available at the time the ES was prepared. In some cases, the assessment is necessarily conservative at this stage and may therefore overestimate the impact and significant effects (i.e. they provide for the reasonable 'worst-case' scenario in terms of potential effects).

**Table 20.1: Summary of Significant Residual Effects (Construction)**

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
<b>Climate Change</b>				
No significant residual effects on climate change are predicted during the construction of the Scheme.				
<b>Landscape and Visual</b>				
Via Beata Long Distance Walking Route / Recreational Route	High	Landscape	Short-term	Moderate Adverse
NCA 83 South Norfolk and High Suffolk Claylands	Medium	Landscape	Short-term	Moderate Adverse
LCA A1 Tas Rural River Valley	High	Landscape	Short-term	Moderate Adverse
LCA B1 Tas Tributary Farmland	Medium	Landscape	Short-term	Major Adverse
LCA B5 Chet Tributary Farmland	High	Landscape	Short-term	Moderate Adverse
LCA C2 Thurlton Tributary Farmland with Parkland	High	Landscape	Short-term	Moderate Adverse
LCA E2 Great Moulton Plateau Farmland	Medium	Landscape	Short-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Landscape character and feature of BESS Site, CRC1, CRC2	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 1	Medium	Landscape	Short-term	Major Adverse
Landscape character and feature of Site 2, CRC3	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 3	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 4	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 5	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 7, CRC5, CRC8, CRC10, CRC11, CRC12	Medium	Landscape	Short-term	Major Adverse
Landscape character and feature of Site 8	High	Landscape	Short-term	Major Adverse
Landscape character and feature of Site 9	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 10, CRC14	Medium	Landscape	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Landscape character and feature of CRC4	Medium	Landscape	Short-term	Moderate Adverse
BESS Site - VL1 (a/b/c) PRoW Great Moulton RB19	Medium	Visual Amenity	Short-term	Major Adverse
BESS Site - VL2 PRoW Tivetshall St. Margaret FP1	Medium	Visual Amenity	Short-term	Moderate Adverse
BESS Site - VL3 PRoW Tivetshall St. Margaret FP12 junction with Station Road	Medium	Visual Amenity	Short-term	Moderate Adverse
BESS Site - VL4 PRoW Tivetshall St Margaret FP11 junction with Station Road	Medium	Visual Amenity	Short-term	Major Adverse
BESS Site - VL5 PRoW Tivetshall St. Margaret FP4	Medium	Visual Amenity	Short-term	Major Adverse
BESS Site - VL6 PRoW Tivetshall St. Margaret FP5	Medium	Visual Amenity	Short-term	Moderate Adverse
BESS Site - VL8 PRoW Great Moulton RB1	Medium	Visual Amenity	Short-term	Major Adverse
BESS Site - VL9 Property at Station Road	High	Visual Amenity	Short-term	Major to Substantial Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 1 – VL1 PRoW Great Moulton FP16	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 1 – VL2 Junction of PRoW Great Moulton FP15/RB18	Medium	Visual Amenity	Short-term	Major Adverse
Site 1 – VL3 SE of Great Moulton settlement	High	Visual Amenity	Short-term	Major to Substantial Adverse
Site 1 – VL4 PRoW Great Moulton FP12	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 2 – VL2 Junction of PRoW Wacton RB31/Wacton FP43	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 2 – VL3 A140 Ipswich Road south-west of French's Farm	Low	Visual Amenity	Short-term	Moderate Adverse
Site 2 – VL4 PRoW Tivetshall St Margaret RB6	Medium	Visual Amenity	Short-term	Major Adverse
Site 2 – VL5 PRoW Pulham Market FP6	High	Visual Amenity	Short-term	Major Adverse
Site 2 – VL6 PRoW Tivetshall St Margaret BR9	Medium	Visual Amenity	Short-term	Major Adverse
Site 2 – VL8 Carpenter Walk / PRoW Tivetshall St Mary BR7	Medium	Visual Amenity	Short-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 3 – VL4 PRoW Hempnall FP28	Medium	Visual Amenity	Short-term	Major Adverse
Site 3 – VL5 PRoW Hempnall FP25	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 3 – VL8 Spring Lane, PRoW Hempnall FP24	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL2 PRoW Long Stratton FP3 junction with Church Lane	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL3 Brand's Lane north of Tharston Hall	High	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL4 Brand's Lane east of Shrublands	High	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL6 PRoW Morningthorpe FP3	High	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL7 PRoW junction of Long Stratton FP3 and FP4	Medium	Visual Amenity	Short-term	Major Adverse
Site 4 – VL8 PRoW Long Stratton FP1	Medium	Visual Amenity	Short-term	Major Adverse
Site 4 – VL9 PRoW Long Stratton FP6, adjacent to St Michael Church	Medium	Visual Amenity	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 4 – VL10 Southwest of A140/B1527 Roundabout	Low	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL12 Hall Lane, outside Church of St Mary, Tharston	High	Visual Amenity	Short-term	Moderate Adverse
Site 5 – VL2 PRoW Morningthorpe RB4 at junction with B1527	Medium	Visual Amenity	Short-term	Major Adverse
Site 5 – VL3 PRoW Morningthorpe FP5	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 5 – VL4 PRoW Morningthorpe FP5 north of junction with FP9	Medium	Visual Amenity	Short-term	Major Adverse
Site 5 – VL5 Origin of PRoW Morningthorpe FP9 on The Street	High	Visual Amenity	Short-term	Major Adverse
Site 5 – VL6 PRoW Morningthorpe FP17	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 5 – VL8 Settlement edge of Hempnall	High	Visual Amenity	Short-term	Major Adverse
Site 6 – VL2 PRoW Hempnall FP11	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL1 Boudicca Way on Fairstead Lane	High	Visual Amenity	Short-term	Major to Substantial Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 7 – VL5 Junction of PRoW Saxlingham Nethergate FP12/FP14	Medium	Visual Amenity	Short-term	Major Adverse
Site 7 – VL7 PRoW Saxlingham Nethergate FP13 on The Green	High	Visual Amenity	Short-term	Major Adverse
Site 7 – VL9 PRoW Saxlingham Nethergate FP9	Medium	Visual Amenity	Short-term	Major Adverse
Site 7 – VL11 PRoW Shotesham FP21	Medium	Visual Amenity	Short-term	Major Adverse
Site 7 – VL13 PRoW Woodton RB10	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL14 Bussey's Loke (road)	Low	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL16 Junction of PRoW Hempnall FP5/Saxlingham Nethergate FP27	Medium	Visual Amenity	Short-term	Major Adverse
Site 7 – VL17 Junction of PRoW Saxlingham Nethergate FP10/FP11	Medium	Visual Amenity	Short-term	Major Adverse
Site 7 – VL20 PRoW Hempnall FP2 on Fairstead Lane	Medium	Visual Amenity	Short-term	Major Adverse
Site 7 – VL21 PRoW Saxlingham Nethergate FP10	Medium	Visual Amenity	Short-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 8 – VL1 Junction of PRoW Saxlingham Nethergate FP7/FP8/Boudicca Way	High	Visual Amenity	Short-term	Moderate Adverse
Site 8 – VL3 PRoW Shotesham FP16 on Market Lane	Medium	Visual Amenity	Short-term	Major Adverse
Site 8 – VL4 Market Lane south of Market Lane Farm	High	Visual Amenity	Short-term	Major Adverse
Site 8 – VL5 Junction of PRoW Shotesham FP16/FP17	High	Visual Amenity	Short-term	Major Adverse
Site 8 – VL7 PRoW Shotesham FP19 on southern Site boundary	Medium	Visual Amenity	Short-term	Major Adverse
Site 8 – VL10 Brooke Road, edge of Upgate Green Farm	High	Visual Amenity	Short-term	Moderate Adverse
Site 8 – VL11 Brooke Road, edge of King's Farm	High	Visual Amenity	Short-term	Major to Substantial Adverse
Site 9 – VL1 PRoW Brooke FP6	Medium	Visual Amenity	Short-term	Major Adverse
Site 9 – VL2 Mill Lane at Brooke View Barns	High	Visual Amenity	Short-term	Moderate Adverse
Site 9 – VL3 Junction of Mill Lane and Woodton Road at Oldhouse Farm	High	Visual Amenity	Short-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 9 – VL5 PRoW Brooke FP6 south of High Green Gardens	High	Visual Amenity	Short-term	Major to Substantial Adverse
Site 10 – VL5 PRoW Hedenham RB9 on Harvey Lane/Upgate Road	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 10 – VL10 Wash Lane / Byway	Medium	Visual Amenity	Short-term	Major Adverse
CRC – VL1 Common Road near Parish Farm	High	Visual Amenity	Short-term	Moderate Adverse
CRC – VL2 Wood Lane near Ashleigh Farm	High	Visual Amenity	Short-term	Moderate Adverse
CRC – VL4 Hall Lane at junction of Long Stratton FP19	High	Visual Amenity	Short-term	Major Adverse
CRC – VL5 PRoW Morningthorpe RB22 / Morningthorpe FP24 near Friars Farm	Medium	Visual Amenity	Short-term	Moderate Adverse
CRC – VL6 Brick Kiln Lane at junction of PRoW Morningthorpe FP21	High	Visual Amenity	Short-term	Major Adverse
CRC – VL7 PRoW Hempnall FP31	Medium	Visual Amenity	Short-term	Moderate Adverse
CRC – VL8 PRoW Hempnall FP20	Medium	Visual Amenity	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
CRC – VL9 PRoW Morningthorpe FP2/ Boudicca Way north of Devil's Wood	High	Visual Amenity	Short-term	Major Adverse
CRC – VL12 PRoW Hempnall FP11 on Bussey's Loke	Medium	Visual Amenity	Short-term	Major Adverse
CRC – VL13 PRoW Woodton RB10/No bb's Lane (Track) west of Winter's Grove	Medium	Visual Amenity	Short-term	Moderate Adverse
<b>Ecology and Biodiversity</b>				
No significant residual effects on ecology and biodiversity are predicted during the construction of the Scheme.				
<b>Water Environment</b>				
No significant residual effects on the water environment are predicted during the construction of the Scheme.				
<b>Cultural Heritage</b>				
No significant residual effects on cultural heritage are predicted during the construction of the Scheme.				
<b>Transport and Access</b>				
No significant residual effects on transport and access are predicted during the construction of the Scheme.				
<b>Noise and Vibration</b>				
No significant residual effects on noise and vibration are predicted during the construction of the Scheme.				

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
<b>Air Quality</b>				
No significant residual effects on air quality are predicted during the construction of the Scheme.				
<b>Socio Economics</b>				
Jobs, Employment and Supply Chain (Workplace-based)	Medium	Supporting jobs in South Norfolk	Short-term	Major Beneficial
Skills and the Labour Market	High	Providing opportunities to upskill the local workforce	Short-term	Moderate Beneficial
<b>Soils and Agricultural Land</b>				
BMV agricultural land	High	Irreversible loss or downgrading	Long-term	Moderate Adverse
<b>Ground Conditions</b>				
No significant residual effects on ground conditions are predicted during the construction of the Scheme.				
<b>Electromagnetic Fields</b>				
No significant residual effects on electromagnetic fields are predicted during the construction of the Scheme.				
<b>Other Environmental Matters</b>				
No significant residual effects on other environmental matters are predicted during the construction of the Scheme.				

**Table 20.2: Summary of Significant Residual Effects (Operation and maintenance)**

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
<b>Climate Change</b>				
Global Climate	High	<p>GHG emissions arising principally from the embodied carbon of materials that need to be replaced during the Scheme lifespan. Particularly batteries and PV Panels.</p> <p>Offset of emissions in comparison to a 'without scheme' baseline where energy may be produced by other more highly emitting methods.</p> <p>The scheme will facilitate future uptake of low emissions technology outside of traditional electricity uses.</p>	Long-term	Beneficial
<b>Landscape and Visual (Year 1)</b>				
LCA B1 Tas Tributary Farmland	Medium	Landscape	Long-term	Moderate Adverse
LCA C2 Thurlton Tributary Farmland with Parkland	High	Landscape	Long-term	Moderate Adverse
LCA E2 Great Moulton Plateau Farmland	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of BESS Site, CRC1, CRC2	Medium	Landscape	Long-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Landscape character and feature of Site 1	Medium	Landscape	Long-term	Major Adverse
Landscape character and feature of Site 2, CRC3	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of Site 3	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of Site 4	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of Site 5	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of Site 7, CRC5, CRC8, CRC10, CRC11, CRC12	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of Site 8	High	Landscape	Long-term	Major Adverse
Landscape character and feature of Site 9	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of Site 10, CRC14	Medium	Landscape	Long-term	Moderate Adverse
BESS Site - VL1 (a/b/c) PRoW Great Moulton RB19	Medium	Visual Amenity	Long-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
BESS Site - VL2 PRow Tivetshall St. Margaret FP1	Medium	Visual Amenity	Long-term	Moderate Adverse
BESS Site - VL3 PRow Tivetshall St. Margaret FP12 junction with Station Road	Medium	Visual Amenity	Long-term	Moderate Adverse
BESS Site - VL4 PRow Tivetshall St Margaret FP11 junction with Station Road	Medium	Visual Amenity	Long-term	Moderate Adverse
BESS Site - VL5 PRow Tivetshall St. Margaret FP4	Medium	Visual Amenity	Long-term	Moderate Adverse
BESS Site - VL8 PRow Great Moulton RB1	Medium	Visual Amenity	Long-term	Moderate Adverse
BESS Site - VL9 Property at Station Road	High	Visual Amenity	Long-term	Major Adverse
Site 1 – VL2 Junction of PRow Great Moulton FP15/RB18	Medium	Visual Amenity	Long-term	Major Adverse
Site 1 – VL3 SE of Great Moulton settlement	High	Visual Amenity	Long-term	Major to Substantial Adverse
Site 1 – VL4 PRow Great Moulton FP12	Medium	Visual Amenity	Long-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 2 – VL2 Junction of PRoW Wacton RB31/Wacton FP43	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 2 – VL4 PRoW Tivetshall St Margaret RB6	Medium	Visual Amenity	Long-term	Major Adverse
Site 2 – VL5 PRoW Pulham Market FP6	High	Visual Amenity	Long-term	Major Adverse
Site 2 – VL6 PRoW Tivetshall St Margaret BR9	Medium	Visual Amenity	Long-term	Major Adverse
Site 2 – VL8 Carpenter Walk / PRoW Tivetshall St Mary BR7	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 3 – VL4 PRoW Hempnall FP28	Medium	Visual Amenity	Long-term	Major Adverse
Site 3 – VL5 PRoW Hempnall FP25	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 3 – VL8 Spring Lane, PRoW Hempnall FP24	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 4 – VL4 Brand's Lane east of Shrublands	High	Visual Amenity	Long-term	Moderate Adverse
Site 4 – VL6 PRoW Morningthorpe FP3	High	Visual Amenity	Long-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 4 – VL7 PRoW junction of Long Stratton FP3 and FP4	Medium	Visual Amenity	Long-term	Major Adverse
Site 4 – VL8 PRoW Long Stratton FP1	Medium	Visual Amenity	Long-term	Major Adverse
Site 4 – VL12 Hall Lane, outside Church of St Mary, Tharston	High	Visual Amenity	Long-term	Moderate Adverse
Site 5 – VL2 PRoW Morningthorpe RB4 at junction with B1527	Medium	Visual Amenity	Long-term	Major Adverse
Site 5 – VL3 PRoW Morningthorpe FP5	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 5 – VL4 PRoW Morningthorpe FP5 north of junction with FP9	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 5 – VL5 Origin of PRoW Morningthorpe FP9 on The Street	High	Visual Amenity	Long-term	Major Adverse
Site 5 – VL6 PRoW Morningthorpe FP17	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 5 – VL8 Settlement edge of Hempnall	High	Visual Amenity	Long-term	Major Adverse
Site 7 – VL1 Boudicca Way on Fairstead Lane	High	Visual Amenity	Long-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 7 – VL5 Junction of PRow Saxlingham Nethergate FP12/FP14	Medium	Visual Amenity	Long-term	Major Adverse
Site 7 – VL7 PRow Saxlingham Nethergate FP13 on The Green	High	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL9 PRow Saxlingham Nethergate FP9	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL11 PRow Shotesham FP21	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL14 Bussey's Loke (road)	Low	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL16 Junction of PRow Hempnall FP5/Saxlingham Nethergate FP27	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL17 Junction of PRow Saxlingham Nethergate FP10/FP11	Medium	Visual Amenity	Long-term	Major Adverse
Site 7 – VL20 PRow Hempnall FP2 on Fairstead Lane	Medium	Visual Amenity	Long-term	Major Adverse
Site 7 – VL21 PRow Saxlingham Nethergate FP10	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 8 – VL2 Origin of PRow Shotesham FP18 on Wash Lane	High	Visual Amenity	Long-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 8 – VL4 Market Lane south of Market Lane Farm	High	Visual Amenity	Long-term	Major Adverse
Site 8 – VL5 Junction of PRoW Shotesham FP16/FP17	High	Visual Amenity	Long-term	Moderate Adverse
Site 8 – VL6 Origin of PRoW Shotesham FP22 on Brooke Road	Medium	Visual Amenity	Long-term	Major Adverse
Site 8 – VL8 Dawson's Farm on Wash Lane	High	Visual Amenity	Long-term	Moderate Adverse
Site 8 – VL10 Brooke Road, edge of Upgate Green Farm	High	Visual Amenity	Long-term	Moderate Adverse
Site 8 – VL11 Brooke Road, edge of King's Farm	High	Visual Amenity	Long-term	Major Adverse
Site 9 – VL1 PRoW Brooke FP6	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 9 – VL2 Mill Lane at Brooke View Barns	High	Visual Amenity	Long-term	Moderate Adverse
Site 9 – VL3 Junction of Mill Lane and Woodton Road at Oldhouse Farm	High	Visual Amenity	Long-term	Moderate Adverse
Site 9 – VL5 PRoW Brooke FP6 south of High Green Gardens	High	Visual Amenity	Long-term	Major Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 9 – VL6 Littlebeck Lane near Littlebeck Farm	High	Visual Amenity	Long-term	Major Adverse
Site 10 – VL5 PRow Hedenham RB9 on Harvey Lane/Upgate Road	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 10 – VL10 Wash Lane / Byway	Medium	Visual Amenity	Long-term	Moderate Adverse
CRC – VL9 PRow Morningthorpe FP2/Boudicca Way north of Devil's Wood	High	Visual Amenity	Long-term	Major Significant
<b>Landscape and Visual Amenity (Year 15)</b>				
LCA B1 Tas Tributary Farmland	Medium	Landscape	Long-term	Moderate Adverse
LCA E2 Great Moulton Plateau Farmland	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of BESS Site, CRC1, CRC2	Medium	Landscape	Long-term	Moderate Adverse
Landscape character and feature of Site 1	Medium	Landscape	Long-term	Major Adverse
Landscape character and feature of Site 7, CRC5, CRC8, CRC10, CRC11, CRC12	Medium	Landscape	Long-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Landscape character and feature of Site 8	High	Landscape	Long-term	Moderate Adverse
BESS Site - VL9 Property at Station Road	High	Visual Amenity	Long-term	Moderate Adverse
Site 1 – VL2 Junction of PRow Great Moulton FP15/RB18	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 1 – VL3 SE of Great Moulton settlement	High	Visual Amenity	Long-term	Moderate Adverse
Site 3 – VL4 PRow Hempnall FP28	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 4 – VL7 PRow junction of Long Stratton FP3 and FP4	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 4 – VL12 Hall Lane, outside Church of St Mary, Tharston	High	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL1 Boudicca Way on Fairstead Lane	High	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL5 Junction of PRow Saxlingham Nethergate FP12/FP14	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL11 PRow Shotesham FP21	Medium	Visual Amenity	Long-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 7 – VL17 Junction of PRoW Saxlingham Nethergate FP10/FP11	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 7 – VL21 PRoW Saxlingham Nethergate FP10	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 8 – VL2 Origin of PRoW Shotesham FP18 on Wash Lane	High	Visual Amenity	Long-term	Moderate Adverse
Site 8 – VL6 Origin of PRoW Shotesham FP22 on Brooke Road	Medium	Visual Amenity	Long-term	Moderate Adverse
Site 8 – VL11 Brooke Road, edge of King's Farm	High	Visual Amenity	Long-term	Moderate Adverse
Site 9 – VL5 PRoW Brooke FP6 south of High Green Gardens	High	Visual Amenity	Long-term	Moderate Adverse
CRC – VL9 PRoW Morningthorpe FP2/ Boudicca Way north of Devil's Wood	High	Visual Amenity	Long-term	Moderate Adverse
<b>Ecology and Biodiversity</b>				
Native Hedgerows (and tree lines)	Local scale	Operational activities including hydrological. Habitat creation and enhancement	Long term	Moderate beneficial
Ponds	Local scale	Operational activities including hydrological. Habitat creation and enhancement	Long term	Moderate beneficial

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Rivers	Regional scale	Operational activities including hydrological. Habitat creation and enhancement	Long term	Moderate beneficial
Lowland Deciduous Woodland	Local scale	Operational activities including hydrological. Habitat creation and enhancement	Long term	Moderate beneficial
Scrub	Local scale	Operational activities including hydrological. Habitat creation and enhancement	Long term	Moderate beneficial
Other Neutral Grassland	Local scale	Operational activities including hydrological. Habitat creation and enhancement	Long term	Moderate beneficial
Ditches	Local scale	Operational activities including hydrological. Habitat creation and enhancement	Long term	Moderate beneficial
Skylark	Local scale	Operational activities (direct and indirect impacts) killing and injury Habitat creation and enhancement	Long term	Moderate beneficial
Bats (roosting)	National scale	Operational activities (Indirect Effects) disturbance Habitat creation and enhancement	Long term	Moderate beneficial
Bats (foraging and commuting)	National scale	Operational activities (Direct Effects) disturbance Habitat creation and enhancement	Long term	Moderate beneficial
Badger	Site scale	Operational activities (Direct and Indirect Effects) fragmentation, disturbance Habitat creation and enhancement	Long term	Moderate beneficial

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Water Vole and Otter	Site (precautionary) scale	Operational activities (Direct and Indirect Effects) Habitat creation and enhancement	Long term	Moderate beneficial
<b>Water Environment</b>				
Hydrological (watercourses, designated sites)	Very Low to Very High	Impacts from the reduction in agricultural chemical and/or fertiliser application and associated nutrient loading	Long-term	Major Beneficial
<b>Cultural Heritage</b>				
No significant residual effects on Cultural Heritage are predicted during the operation and maintenance of the Scheme.				
<b>Transport and Access</b>				
No significant residual effects on Transport and Access are predicted during the operation and maintenance of the Scheme.				
<b>Noise and Vibration</b>				
No significant residual effects on Noise and Vibration are predicted during the operation and maintenance of the Scheme.				
<b>Air Quality</b>				
No significant residual effects on Air Quality are predicted during the operation and maintenance of the Scheme.				
<b>Socio-Economics</b>				
Skills and the Labour Market	High	Providing opportunities to upskill the local workforce	Long-term	Moderate Beneficial
<b>Soils and Agricultural Land</b>				

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
No significant residual effects on Soils and Agricultural Land are predicted during the operation and maintenance of the Scheme.				
<b>Ground Conditions</b>				
No significant residual effects on ground conditions are predicted during the operation and maintenance of the Scheme.				
<b>Electromagnetic Fields</b>				
No significant residual effects on electromagnetic fields are predicted during the operation and maintenance of the Scheme.				
<b>Other Environmental Matters</b>				
No significant residual effects on other environmental matters are predicted during the operation and maintenance of the Scheme.				

**Table 20.3: Summary of Significant Residual Effects (Decommissioning)**

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
<b>Climate Change</b>				
No significant residual effects on Climate Change are predicted during the decommissioning of the Scheme.				
<b>Landscape and Visual</b>				
NCA 83 South Norfolk and High Suffolk Claylands	Medium	Landscape	Short-term	Moderate Adverse
LCA B1 Tas Tributary Farmland	Medium	Landscape	Short-term	Moderate Adverse
LCA C2 Thurlton Tributary Farmland with Parkland	High	Landscape	Short-term	Moderate Adverse
LCA E2 Great Moulton Plateau Farmland	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of BESS Site, CRC1, CRC2	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 1	Medium	Landscape	Short-term	Major Adverse
Landscape character and feature of Site 4	Medium	Landscape	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Landscape character and feature of Site 5	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 7, CRC5, CRC8, CRC10, CRC11, CRC12	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 8	High	Landscape	Short-term	Major Adverse
Landscape character and feature of Site 9	Medium	Landscape	Short-term	Moderate Adverse
Landscape character and feature of Site 10, CRC14	Medium	Landscape	Short-term	Moderate Adverse
BESS Site - VL1 (a/b/c) PRow Great Moulton RB19	Medium	Visual Amenity	Short-term	Moderate Adverse
BESS Site - VL9 Property at Station Road	High	Visual Amenity	Short-term	Moderate Adverse
Site 1 – VL2 Junction of PRow Great Moulton FP15/RB18	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 1 – VL3 SE of Great Moulton settlement	High	Visual Amenity	Short-term	Moderate Adverse
Site 2 – VL4 PRow Tivetshall St Margaret RB6	Medium	Visual Amenity	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 2 – VL5 PRoW Pulham Market FP6	High	Visual Amenity	Short-term	Moderate Adverse
Site 2 – VL6 PRoW Tivetshall St Margaret BR9	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 3 – VL4 PRoW Hempnall FP28	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL3 Brand's Lane north of Tharston Hall	High	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL4 Brand's Lane east of Shrublands	High	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL6 PRoW Morningthorpe FP3	High	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL7 PRoW junction of Long Stratton FP3 and FP4	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL8 PRoW Long Stratton FP1	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 4 – VL12 Hall Lane, outside Church of St Mary, Tharston	High	Visual Amenity	Short-term	Moderate Adverse
Site 5 – VL2 PRoW Morningthorpe RB4 at junction with B1527	Medium	Visual Amenity	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 5 – VL3 PRoW Morningthorpe FP5	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 5 – VL5 Origin of PRoW Morningthorpe FP9 on The Street	High	Visual Amenity	Short-term	Moderate Adverse
Site 5 – VL6 PRoW Morningthorpe FP17	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 5 – VL8 Settlement edge of Hempnall	High	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL1 Boudicca Way on Fairstead Lane	High	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL5 Junction of PRoW Saxlingham Nethergate FP12/FP14	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL7 PRoW Saxlingham Nethergate FP13 on The Green	High	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL11 PRoW Shotesham FP21	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL13 PRoW Woodton RB10	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL16 Junction of PRoW Hempnall FP5/Saxlingham Nethergate FP27	Medium	Visual Amenity	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
Site 7 – VL17 Junction of PRoW Saxlingham Nethergate FP10/FP11	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL20 PRoW Hempnall FP2 on Fairstead Lane	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 7 – VL21 PRoW Saxlingham Nethergate FP10	Medium	Visual Amenity	Short-term	Moderate Adverse
Site 8 – VL2 Origin of PRoW Shotesham FP18 on Wash Lane	High	Visual Amenity	Short-term	Moderate Adverse
Site 8 – VL6 Origin of PRoW Shotesham FP22 on Brooke Road	Medium	Visual Amenity	Short-term	Moderate Significant
Site 8 – VL11 Brooke Road, edge of King's Farm	High	Visual Amenity	Short-term	Moderate Adverse
Site 9 – VL2 Mill Lane at Brooke View Barns	High	Visual Amenity	Short-term	Moderate Adverse
Site 9 – VL5 PRoW Brooke FP6 south of High Green Gardens	High	Visual Amenity	Short-term	Moderate Adverse
Site 10 – VL10 Wash Lane / Byway	Medium	Visual Amenity	Short-term	Moderate Adverse
CRC – VL1 Common Road near Parish Farm	High	Visual Amenity	Short-term	Moderate Adverse

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
CRC – VL2 Wood Lane near Ashleigh Farm	High	Visual Amenity	Short-term	Moderate Adverse
CRC – VL4 Hall Lane at junction of Long Stratton FP19	High	Visual Amenity	Short-term	Moderate Adverse
CRC – VL9 PRoW Morningthorpe FP2/Boudicca Way north of Devil's Wood	High	Visual Amenity	Short-term	Moderate Adverse
<b>Ecology and Biodiversity</b>				
No significant residual effects on Ecology and Biodiversity are predicted during the decommissioning of the Scheme.				
<b>Water Environment</b>				
No significant residual effects on the Water Environment are predicted during the decommissioning of the Scheme.				
<b>Cultural Heritage</b>				
No significant residual effects on Cultural Heritage are predicted during decommissioning of the Scheme.				
<b>Transport and Access</b>				
No significant residual effects on Transport and Access are predicted during decommissioning of the Scheme.				
<b>Noise and Vibration</b>				
No significant residual effects on Noise and Vibration are predicted during decommissioning of the Scheme.				
<b>Air Quality</b>				

Receptor of Resource/Receptor and Effects	Sensitivity (value)	Description of Impact	Duration	Residual significant effect
No significant residual effects on Air Quality are predicted during decommissioning of the Scheme.				
<b>Socio-Economics</b>				
Jobs, Employment and Supply Chain (Workplace-based)	Medium	Supporting jobs in South Norfolk	Short-term	Major Beneficial
Skills and the Labour Market	High	Providing opportunities to upskill the local workforce	Short-term	Moderate Beneficial
<b>Soils and Agricultural Land</b>				
No significant residual effects on soils and agricultural land are predicted during decommissioning of the Scheme.				
<b>Ground Conditions</b>				
No significant residual effects on ground conditions are predicted during the decommissioning of the Scheme.				
<b>Electromagnetic Fields</b>				
No significant residual effects on electromagnetic fields are predicted during the decommissioning of the Scheme.				
<b>Other Environmental Matters</b>				
No significant residual effects on other environmental matters are predicted during the construction of the Scheme.				

**Table 20.4: Summary of Cumulative Effects Assessment**

Chapter	Potential Cumulative Effect	Additional Mitigation	Likely Residual Cumulative Effect
<b>ES Chapter 6 - Climate Change</b>	<b>Construction and Decommissioning Phase</b>		
	The receptor for the GHG Assessment is the global atmosphere. All projects worldwide have the potential to contribute to cumulative impacts on the global climate through their GHG emissions. As per ISEP and precedent, and supported in case law, it is not appropriate to undertake a cumulative assessment for GHG assessments, as the climate is global so would require an assessment of all potential worldwide future developments which is not feasible, and it is not appropriate to seek to only assess only some specific schemes. Instead, the appropriate approach is to consider the Scheme's emissions in the context of Carbon budgets as they are inherently cumulative.		
	The receptor for the Climate Resilience review is the Scheme itself. As the effects being judged are to the project itself there can be no cumulative effects to other receptors.		
	<b>Operational Phase</b>		
	As above for construction and decommissioning.		
<b>ES Chapter 7 - Landscape and Visual</b>	<b>Construction and Decommissioning Phase</b>		
	The CEA does not consider the short-term effects of construction or decommissioning, as the timelines for construction of each committed development, and therefore the potential for overlap between those and the schemes construction are unclear. Decommissioning is applicable to the Scheme and not appropriate to all other forms of development such as housing which is considered permanent.		
	<b>Operational Phase</b>		
	Potential cumulative effects on PRow Long Stratton FP6	No additional mitigation	Negligible Adverse
	Potential visual effects on users of PRow Hempnall FP24 at Year 1 of operation	None	Minor Adverse by Year 15 of operation (Not Significant)
Residential receptors in Wacton, Great Moulton and Long Stratton	No additional mitigation	Minor adverse or not significant cumulative effects (Not Significant)	
<b>ES Chapter 8 - Ecology and Biodiversity</b>	<b>Construction and Decommissioning Phase</b>		
	No likely significant cumulative effects identified.		
	<b>Operational Phase</b>		
No likely significant cumulative effects identified.			
<b>ES Chapter 9 - Water Environment</b>	<b>Construction and Decommissioning Phase</b>		
	No likely significant cumulative effects identified.		
	<b>Operational Phase</b>		
	No likely significant cumulative effects identified in relation to surface water drainage and flood risk.		
	Potential significant cumulative beneficial effect with other solar schemes through the cessation of agricultural activities in terms of water quality.	None	Beneficial effect (Significant)
<b>ES Chapter 10 - Cultural Heritage</b>	<b>Construction and Decommissioning Phase</b>		
	Designated and non-designated heritage assets.	None	Not significant
	The cumulative impact on archaeological remains would likely be moderate to minor adverse effects, which are significant.	An appropriate additional mitigation strategy will be implemented that ensures archaeological remains	Neutral (Not Significant)

Chapter	Potential Cumulative Effect	Additional Mitigation	Likely Residual Cumulative Effect
	Direct impacts to archaeological resources is scoped out of decommissioning.	are preserved either in situ or in record according to their sensitivity.	
	<b>Operational Phase</b>		
	Designated and non-designated heritage assets.	None	Not significant
	The cumulative impact on archaeological remains would likely be moderate to minor adverse effects, which are significant.  Direct impacts to archaeological resources is scoped out of decommissioning.	An appropriate additional mitigation strategy will be implemented that ensures archaeological remains are preserved either in situ or in record according to their sensitivity.	Neutral (Not Significant)
<b>ES Chapter 11 - Transport and Access</b>	<b>Construction and Decommissioning Phase</b>		
	Severance, non-motorised user delay, fear and intimidation, road vehicle driver and passenger delay, road safety and hazardous and large roads for the A140 South – B1527 (Link 3).	Mitigation measures in the Outline PRow Plan including minimizing disruption, including the provision of clear signage, safe alternative routes, and advance communication with local users, and the Outline Construction Traffic Management Plan including controlled access points, adherence to designated haul routes, and driver safety protocols to minimise risk.	Negligible (Not Significant)
<b>ES Chapter 12 - Noise and Vibration</b>	<b>Construction and Decommissioning Phase</b>		
	During construction, significant cumulative construction effects are not expected to occur due to distances and screening from existing buildings.	None	Negligible (Not Significant)
	<b>Operational Phase</b>		
	Cumulative effects from operational noise from the Scheme and cumulative schemes Refs. 2024/3817 and 2025/1689.	None	Minor Adverse (Not Significant)
<b>ES Chapter 13 - Air Quality</b>	<b>Construction and Decommissioning Phase</b>		
	Sensitive Human Receptors	Measures outlined in the Outline Construction Traffic Management Plan.	Not Significant
	Sensitive Ecological Receptors	Measures outlined in the Outline Construction Traffic Management Plan.	Not Significant
<b>ES Chapter 14 - Socio-economics</b>	<b>Construction and Decommissioning Phase</b>		
	Jobs, employment and the supply chain	None	Major Beneficial (Significant) in South Norfolk. Moderate Beneficial (Significant) in Norfolk.

Chapter	Potential Cumulative Effect	Additional Mitigation	Likely Residual Cumulative Effect
			Moderate Beneficial (Significant) in the East of England region.
	Skills and the labour market	None	Moderate Beneficial (Significant) in South Norfolk.
	Temporary accommodation market	None	Minor Adverse (Not Significant) in South Norfolk.
	Tourism industry	None	Minor Adverse (Not Significant) in South Norfolk.
	<b>Operational Phase</b>		
	Jobs, employment and the supply chain	None	Moderate Beneficial (Significant) in South Norfolk.
	Skills and labour market	None	Moderate Beneficial (Significant) in South Norfolk.
	Temporary accommodation market	None	Negligible (Not Significant) in South Norfolk
	Tourism industry	None	Minor Adverse (Not Significant) in South Norfolk
<b>ES Chapter 15 - Soils and Agricultural Land</b>	<b>Construction and Decommissioning Phase</b>		
	Loss of Best and Most Versatile (BMV) agricultural land	None	Minor Adverse (Not Significant) during construction and Moderate Adverse (Significant) during decommissioning
	<b>Operational Phase</b>		
	Loss of agricultural land and food production	None	Minor Adverse (Not Significant)
<b>ES Chapter 16 - Ground Conditions</b>	<b>Construction and Decommissioning Phase</b>		
	Release of contamination to groundwater	None	Negligible (Not Significant)
	Release of contamination to the air	None	Negligible (Not Significant)
	Land stability	None	Negligible (Not Significant)
	<b>Operational Phase</b>		
	No significant cumulative effects are considered likely.		
<b>ES Chapter 17 - EMF</b>	<b>Operational Phase</b>		
	No significant cumulative effects are considered possible.		
<b>ES Chapter 18 - Other Environmental Matters</b>	<b>Construction and Decommissioning Phase</b>		
	Major Accidents and Disasters - no significant cumulative effects are considered likely.		
	Telecommunications, Utilities, and Television - no significant cumulative effects are considered likely.		
	Glint and Glare - no significant cumulative effects are considered likely.		
	Waste and Materials – inert waste arisings from construction	None	Neutral or Slight Adverse (not Significant)
	Waste and Materials –hazardous waste from construction	None	Slight Adverse (not Significant)
	Waste and Materials – inert waste arisings from decommissioning	None	Slight or Moderate Adverse (not Significant)
	Waste and Materials –hazardous waste from decommissioning	Coordinate waste management practices with other relevant NSIP contractors.	Moderate or Large Adverse (Significant)

Chapter	Potential Cumulative Effect	Additional Mitigation	Likely Residual Cumulative Effect
	<b>Operational Phase</b>		
	Waste and Materials – inert waste arisings from peak replacement scenario in operation	None	Neutral or Slight Adverse (not Significant)
	Waste and Materials –hazardous waste from peak replacement scenario in operation	Coordinate waste management practices with other relevant NSIP contractors	Moderate Adverse (Significant)