



# Chapter 7: Summary of Effects and Enhancements

## Kirknewton Solar & BESS EIA Report

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SLR Project No.: 405.065786.00001

10 December 2025

Revision: 01

## Acronyms and Abbreviations

Acronym / Abbreviation	
BEMP	Biodiversity Enhancement and Management Plan
BESS	Battery Energy Storage System
CEMP	Construction Environmental Management Plan
DEMP	Decommissioning Environmental Management Plan
ECOW	Ecological Clerk of Works
EIA	Environmental Impact Assessment
HRA	Habitats Regulations Appraisal
IEF	Important Ecological Feature
INNS	Invasive Non-native Species
IOF	Important Ornithological Feature
LEMP	Landscape Enhancement and Mitigation Plan
NCR	National Cycle Route
OBEMP	Outline Biodiversity Enhancement Management Plan
PC	Principal Contractor
PV	Photovoltaic
SEPA	Scottish Environment Protection Agency
SLA	Special Landscape Area
SPP	Species Protection Plan
SQE	Suitably Qualified Ecologist
WLC	West Lothian Council



## 7.0 Summary of Mitigation, Residual Effects & Next Steps

### 7.1 Introduction

- 7.1.1 The Schedule of Mitigation provides a summary of good practice, mitigation measures and commitments that have been proposed throughout the Environmental Impact Assessment (EIA) Report to prevent, reduce or offset the effects of the Proposed Development on the environment.
- 7.1.2 Good practice and mitigation measures have been integral to the design evolution of the Proposed Development as described in **Chapter 3: Site Selection and Design Iteration**. A series of environmental and technical constraint led design reviews were undertaken to minimise potential significant environmental impacts prior to finalising the design of the Proposed Development. Areas which were examined in depth were the topics that were scoped into the EIA, i.e. landscape and visual impact, and ecology (including ornithology).

### 7.2 Schedule of Mitigation

- 7.2.1 The mitigation measures and best practice commitments in **Table 7.1** are those which would be applied prior to construction, during construction, and during operation of the Proposed Development.
- 7.2.2 A number of embedded measures have been applied throughout the EIA, which are detailed throughout each chapter.
- 7.2.3 As noted in **Chapter 2**, the effects of decommissioning the Proposed Development would be largely similar to the effects during the construction phase. The proposed operation life of the Proposed Development is 40 years. Therefore, mitigation measures which may need to be implemented during decommissioning are not included here. Those would be agreed with the key stakeholders at that time via a Decommissioning Environmental Management Plan (DEMP). The detail of this is likely to be similar to the Construction Environmental Management Plan (CEMP) in line with best practice measures at that time.



**Table 7.1: Schedule of Mitigation and Commitments**

EIA Report Chapter	Type of Mitigation or Compensation	Environmental Measure	Responsibility for Implementation
Chapter 4: Proposed Development	Pre- and during Construction (CEMP)	<b>Construction Environmental Management Plan</b> A CEMP will be prepared prior to the commencement of construction and will detail measures undertaken to avoid or mitigate any potential effects associated with key construction activities. These will reflect and expand upon measures identified in the EIA Report, and will be agreed with the planning authority, SEPA, NatureScot and other stakeholders where appropriate.	Developer / Principal Contractor (PC) / Ecological Clerk of Works (ECoW)
	Construction	<b>Construction Hours</b> The construction working hours for the Proposed Development: <ul style="list-style-type: none"> <li>Monday – Friday: 07:00 to 18:00</li> <li>Saturdays - 08:00 to 13:00</li> </ul> No working is proposed on Sundays or public holidays. It should be noted that out of necessity some activities, , may occur outside of the specified hours stated. These activities would not be undertaken without prior approval from West Lothian Council (WLC).  The Principal Contractor (PC) will keep local residents informed of the proposed working schedule, where appropriate, including the times and duration of any abnormally noisy activity that may cause concern.	Developer / PC
	Construction (Waste)	<b>Site Waste Management Plan (SWMP)</b> A SWMP would form part of the CEMP and will be developed for implementation during construction.	Developer / PC
Chapter 4: Proposed Development and Chapter 5: Ecology & Ornithology	Construction (ECoW)	<b>Ecological Clerk of Works (ECoW)</b> The ECoW is responsible for monitoring the implementation of the environmental mitigation measures on Site prior to, during and post-construction. The ECoW, supported by a Suitably Qualified Ecologist (SQE), will be aware of the ecological sensitivities on the Site and the legal implications of not complying with agreed working practices.	Developer



EIA Report Chapter	Type of Mitigation or Compensation	Environmental Measure	Responsibility for Implementation
		The ECoW will be employed throughout the duration of the construction period, to ensure environmental interests are safeguarded, although this may not be a full-time role throughout.	
Chapter 5: Ecology and Ornithology	Pre-construction (Surveys & Plans)	<p>The ECoW (or other suitably qualified and experienced ecologist) will carry out pre-construction surveys for relevant protected species. In line with NatureScot guidance, these pre-construction surveys would take place no more than three months before commencing works (including facilitating works such as vegetation clearance). Surveys shall take place no less than eight weeks prior to construction to allow time for potential licence applications (if required) and thus avoid possible project delays. Follow up pre-construction surveys and checks will then be conducted immediately before works as required.</p> <p>The ECoW (or other suitably qualified and experienced ecologist) will carry out a survey for Invasive Non-Native Species (INNS) plants prior to commencement of works and, if required, update the CEMP with appropriate mitigation measures to prevent the spread of INNS.</p> <p>A Species Protection Plan (SPP) will be produced for key target species and agreed prior to commencement of construction and implemented as required. SPPs will be prepared for bats, otter, water vole, badger, hare, breeding birds, wintering birds, and herptiles.</p>	Developer / ECoW
	Construction (Good practice)	<p>The ECoW will be present and oversee all construction activities where ecological consideration is required, provide toolbox talks to all site personnel with regards to priority species and habitats, as well as undertake monitoring works, and brief relevant staff and contractors as appropriate.</p> <p>Detailed measures to safeguard protected species known to be in the area will ensure the use of best practice measures to minimise ecological impact during all construction activities (such as sensitive lighting,</p>	Developer / PC



EIA Report Chapter	Type of Mitigation or Compensation	Environmental Measure	Responsibility for Implementation
		<p>sensitively timed vegetation clearance or phased clearance, ramps exiting open excavations, consideration of key foraging areas, etc.).</p> <p>A Pollution Prevention Plan (PPP) must be developed and implemented throughout the construction phase.</p> <p>Unnecessary disturbance to habitats will be avoided, by minimising the extent of ground clearance and other construction practices as far as practicable.</p> <p>Cover/fence-off any excavations or provide escape ramps at the end of the working day to avoid animals becoming trapped (if an animal does become trapped, advice should be sought immediately from NatureScot).</p> <p>Cap any temporarily exposed pipe systems out of work hours.</p>	
	Pre-Construction & Construction (disturbance of breeding birds)	For all works undertaken during the nesting bird season (March to August, inclusive), the ECoW will undertake nesting bird checks no more than 72 hours (preferably within 24 hours) in advance of works to identify any constraints and to ensure that no disturbance will occur. If necessary, site works should be stopped within a species-specific buffer to be determined by the ECoW until chicks have fledged and dispersed from the area. It should be noted that whilst the main bird breeding season runs between March and August, some birds can nest at any time of year, including woodpigeon, and protections for nesting birds must be implemented regardless of the time of year	Developer / PC / ECoW
	Construction & Operational (Lighting)	A sensitive lighting scheme during the construction phase that aims to avoid disruption to bat, otter and badger foraging and commuting behaviour, as well as nesting bird activity, will be adopted. There will be no operational lighting required for the photovoltaic (PV) panels, however, lighting may be required in certain areas for construction and maintenance. The following measures are to be incorporated into the	Developer / PC



EIA Report Chapter	Type of Mitigation or Compensation	Environmental Measure	Responsibility for Implementation
		<p>design and installation of temporary lighting during works, and the permanent lighting scheme:</p> <ul style="list-style-type: none"> <li>Any lighting will be directional (using fittings such as hoods, cowls or shields to direct light downwards wherever possible and avoid unnecessary light spill);</li> <li>LED Luminaires will be used, where possible, due to their sharp cut-off, lower intensity, good colour rendition and dimming capability;</li> <li>A warm white spectrum (ideally &lt;2700 Kelvin, max 4000 Kelvin) will be adopted to reduce the blue light component;</li> <li>Lighting will be positioned to avoid illuminating suitable foraging, commuting and nesting habitat within hedgerows and edge habitat adjacent to the Site and any newly created woodland and hedgerow habitats that form part of the planting design for the Site; and</li> <li>The times during which lighting is on will be limited to provide illumination during dark periods.</li> </ul> <p>The design has ensured the avoidance of lighting requirements during the operational phase. There may be exceptional circumstances during emergency maintenance where temporary lighting will be required, this will be detailed in the CEMP and agreed with WLC.</p>	
	Construction / Post Construction / Operational (Biodiversity Enhancement / Site Restoration Plan)	<p>A Biodiversity Enhancement and Management Plan (BEMP) will be developed and implemented on-site. The focus will be on creating supporting a diverse faunal community from invertebrates through to the higher tropic species groups. The enhancement measures will correspond with any required protected species mitigation. The following objectives are proposed:</p> <ul style="list-style-type: none"> <li>Enhancement of grassland;</li> <li>Creation and enhancement of mixed woodland, scrub and hedgerows;</li> <li>Enhancement of riparian/aquatic habitats; and</li> <li>Provision and maintenance of wildlife boxes/refugia.</li> </ul>	Developer / PC



EIA Report Chapter	Type of Mitigation or Compensation	Environmental Measure	Responsibility for Implementation
		An Outline Biodiversity Enhancement and Management Plan (OBEMP) is provided as <b>Technical Appendix 5.6</b> of the EIA Report.	
Chapter 6: Landscape and Visual	Construction	<p>In order to mitigate the likely significant effects associated with the construction of the Proposed Development, the following secondary mitigation measures are proposed beyond the primary mitigation that has already been considered in the assessment:</p> <ul style="list-style-type: none"> <li>• Site and surrounding roads are to be kept clean and uncluttered to minimise negative views as far as is reasonably practicable. Subject to condition; and</li> <li>• Vehicular movements to and from the Site are to be restricted working hours to prevent adverse congestion on local roads. Subject to condition.</li> </ul> <p>The following monitoring measures are proposed during the construction phase:</p> <ul style="list-style-type: none"> <li>• Council monitoring of the Site and local roads during construction stage to ensure compliance with conditions; and</li> <li>• Notice enforcement, as required.</li> </ul>	Developer / PC
	Operation	<p>In order to mitigate the likely significant effects associated with the operation of the Proposed Development, the following secondary mitigation measures are proposed beyond the primary mitigation that has already been considered in the assessment:</p> <ul style="list-style-type: none"> <li>• Mitigation Measure 1 – Implementation of a Landscape Enhancement and Mitigation Plan (LEMP); and</li> <li>• Mitigation Measure 2 – Landscape enhancement and mitigation measures require residual maintenance to ensure establishment and longevity through the operational stage of Proposed Development.</li> </ul>	Developer





EIA Report Chapter	Type of Mitigation or Compensation	Environmental Measure	Responsibility for Implementation
		<ul style="list-style-type: none"> <li>A Landscape Management Plan – to be approved by WLC – is to be conditioned through Planning Approval to ensure that the intent of the LEMP is met.</li> <li>Following approval, and per condition, it will be the requirement and responsibility of the developer to ensure that a Landscape Maintenance Contract is established for the duration of operation of the Site.</li> </ul> <p>The following monitoring measures are proposed during the operational phase:</p> <ul style="list-style-type: none"> <li>Monitoring Measure 1 – Schedule of landscape / biodiversity monitoring of installed scheme is to be approved by WLC to ensure long-term viability of landscape mitigation / enhancement strategy.</li> </ul>	



## 7.3 Summary of Residual Effects

- 7.3.1 **Table 7.2** provides a summary of the significant residual effects and cumulative effects identified in the Ecology and Ornithology Assessment in **Chapter 5** of the EIA Report.
- 7.3.2 **Table 7.3** provides a summary of the significant residual effects and cumulative effects identified in the Landscape and Visual Impact Assessment in **Chapter 6** of the EIA Report.



**Table 7.2: Summary of Ecological and Ornithological Effects**

IEF/OEF	Potential Effect	Significance of Effect (with embedded mitigation)	Additional Mitigation Measures Required	Residual Effect
<b>Construction Phase</b>				
Habitats Regulations Appraisal (HRA)	Species displacement / disturbance Habitat loss	Negligible	N/A	Negligible
Ancient Woodland	Indirect habitat loss / degradation	Moderate Adverse Significant	Vegetation protection measures	No Effect
Bats	Indirect habitat loss / degradation Potential roost loss	Moderate Adverse Significant	Vegetation protection measures Compensatory planting	Negligible
Breeding Birds	Species displacement / disturbance	Minor Adverse Not Significant	N/A	Negligible
Wintering Birds	Species displacement / disturbance Habitat loss	Negligible	N/A	Negligible
<b>Operation Phase</b>				
Habitats Regulations Appraisal (HRA)	N/A	N/A	N/A	No Effect
Ancient Woodland	N/A	N/A	N/A	No Effect
Bats	Species displacement / disturbance	Negligible	N/A	Negligible
Breeding Birds	Habitat loss	Minor Adverse Not Significant	N/A	Negligible
Wintering Birds	N/A	N/A	N/A	No Effect
<b>Cumulative Impacts</b>				
Designated Sites	N/A	N/A	N/A	No Effect

IEF/OEF	Potential Effect	Significance of Effect (with embedded mitigation)	Additional Mitigation Measures Required	Residual Effect
Bats	Habitat Loss Species Disturbance / Displacement	N/A	OBEMP	Negligible
Breeding Birds	Habitat Loss Species Disturbance / Displacement	Minor Adverse Not Significant	OBEMP	Negligible
Wintering Birds	Species displacement / disturbance Habitat loss	Negligible	N/A	Negligible

**Table 7.3: Summary of Landscape and Visual Effects**

Receptor	Sensitivity (Low / Medium / High)	Likely Effect	Secondary Mitigation Proposed?	Magnitude of Impact (No change/ Negligible / Slight / Moderate / Substantial)	Nature of Effect (Direct / Indirect)	Temporal Scale (Short / Medium / Long)	Permanence of Effect (Temporary / Permanent)	Type of Effect (Adverse / Beneficial)	Residual Significance (Neutral / Negligible / Minor / Moderate / Major)
<b>Construction Phase</b>									
Pentland Hills Special Landscape Area (SLA)	High	Visual effect	Local screening, and site management.	Negligible / Slight	Direct	Short-term	Temporary	Adverse	Minor
Almond & Linhouse Valleys SLA	High	Visual effect	Local screening	Negligible	Direct	Short-term	Temporary	Adverse	Minor
Ratho Hills SLA	High	Visual effect	Local screening, and site management.	Negligible	Direct	Short-term	Temporary	Adverse	Minor
Newlands	High	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
29 & 31 Newlands	High	Visual effect: Rear of property / garden views of construction operations (2no residences)	Site management.	Moderate	Direct	Short-term	Temporary	Adverse	Major / Moderate
Kirknewton	High	Visual effect	Site and road management.	No change	Direct	Short-term	Temporary	Adverse	Neutral
Belstane Farm	High	Visual effect	Site and road management.	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
Leyden	High	Visual effect	Site management.	Slight	Direct	Short-term	Temporary	Adverse	Moderate
Leyden Farm Cottages	High	Visual effect	Site management.	Slight	Direct	Short-term	Temporary	Adverse	Moderate

Receptor	Sensitivity (Low / Medium / High)	Likely Effect	Secondary Mitigation Proposed?	Magnitude of Impact (No change/ Negligible / Slight / Moderate / Substantial)	Nature of Effect (Direct / Indirect)	Temporal Scale (Short / Medium / Long)	Permanence of Effect (Temporary / Permanent)	Type of Effect (Adverse / Beneficial)	Residual Significance (Neutral / Negligible / Minor / Moderate / Major)
Leyden Old House	High	Visual effect	Local screening	Slight	Direct	Short-term	Temporary	Adverse	Moderate
Birchwood & Rowanbank	High	Visual effect	Local screening, and site and road management.	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
Belstane Farm (South)	High	Visual effect	Local screening, and site and road management.	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
The Byrny	High	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
Burnbrae	High	Visual effect	Site and road management.	Moderate	Direct	Short-term	Temporary	Adverse	Major / Moderate
Greenburn	High	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral
Latch Farm Cottages	High	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral
Whitemoss Cottages	High	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
Kirknewton House	High	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
Ormiston Hill House & Ormiston Bungalow	High	Visual effect	Site and road management.	Negligible / Slight	Direct	Short-term	Temporary	Adverse	Minor
Ormiston Hill & Ormiston Farm Steadings	High	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible

Receptor	Sensitivity (Low / Medium / High)	Likely Effect	Secondary Mitigation Proposed?	Magnitude of Impact (No change/ Negligible / Slight / Moderate / Substantial)	Nature of Effect (Direct / Indirect)	Temporal Scale (Short / Medium / Long)	Permanence of Effect (Temporary / Permanent)	Type of Effect (Adverse / Beneficial)	Residual Significance (Neutral / Negligible / Minor / Moderate / Major)
Cockmylane	High	Visual effect	Site and road management.	Slight	Direct	Short-term	Temporary	Adverse	Moderate
Overton Farm & Overton Farm Cottages	High	Visual effect	Site and road management.	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
Core Path 1	High	Visual effect	Local screening, and site and road management.	Negligible	Direct	Short-term	Temporary	Adverse	Minor
National Cycle Route (NCR) 75	High	Visual effect	Local screening, and site and road management.	Negligible	Direct	Short-term	Temporary	Adverse	Minor
Core Path 13	High	Visual effect	Local screening, and site and road management.	Negligible	Direct	Short-term	Temporary	Adverse	Minor
Core Path 15	High	Visual effect	Local screening	Negligible	Direct	Short-term	Temporary	Adverse	Minor
Kaimes Hill Fort	High	Visual effect	Site and road management.	Slight	Direct	Short-term	Temporary	Adverse	Moderate
Dalmahoy Hill (Fort)	High	Visual effect	Site and road management.	Slight / Negligible	Direct	Short-term	Temporary	Adverse	Moderate / Minor
Leyden Road	Medium	Visual effect	Site and road management.	Moderate	Direct / Indirect	Short-term	Temporary	Adverse	Moderate
B7031	Medium	Visual effect	Local screening	No change / Negligible	Direct	Short-term	Temporary	Adverse	Neutral / Negligible
Operational Phase									

Receptor	Sensitivity (Low / Medium / High)	Likely Effect	Secondary Mitigation Proposed?	Magnitude of Impact (No change/ Negligible / Slight / Moderate / Substantial)	Nature of Effect (Direct / Indirect)	Temporal Scale (Short / Medium / Long)	Permanence of Effect (Temporary / Permanent)	Type of Effect (Adverse / Beneficial)	Residual Significance (Neutral / Negligible / Minor / Moderate / Major)
Newlands	High	Visual effect – increased landscape elements	Local screening	No change / Negligible	Direct	Long-term	Permanent	Beneficial	Neutral / Negligible
29 & 31 Newlands	High	Visual effect: Rear of property / garden views of solar farm infrastructure – increased landscape elements	Mitigation hedge and tree planting	Slight	Direct	Long-term	Temporary	Adverse	Moderate
Kirknewton	High	Visual effect – increased landscape elements	Mitigation hedge and tree planting	No change / Negligible	Direct	Long-term	Temporary	Beneficial	Neutral / Negligible
Belstane Farm	High	Visual effect – increased landscape elements	Mitigation hedge and tree planting	Slight	Direct	Long-term	Permanent (landscape)	Beneficial	Moderate
Leyden	High	Visual effect – increased landscape elements	Mitigation hedge and tree planting	Slight	Direct	Long-term	Permanent (landscape)	Beneficial	Moderate
Leyden Farm Cottages	High	Visual effect – solar infrastructure and increased landscape elements	Mitigation hedge and tree planting	Slight	Direct	Long-term	Permanent (landscape)	Adverse	Moderate
Leyden Old House	High	Visual effect – solar infrastructure and increased landscape elements	Local screening & mitigation hedge and tree planting	Slight	Direct	Long-term	Permanent (landscape)	Adverse	Moderate
Birchwood & Rowanbank	High	Visual effect – increased landscape elements	Mitigation hedge and tree planting	No change / Negligible	Direct	Long-term	Permanent (landscape)	Beneficial	Neutral / Negligible



Receptor	Sensitivity (Low / Medium / High)	Likely Effect	Secondary Mitigation Proposed?	Magnitude of Impact (No change/ Negligible / Slight / Moderate / Substantial)	Nature of Effect (Direct / Indirect)	Temporal Scale (Short / Medium / Long)	Permanence of Effect (Temporary / Permanent)	Type of Effect (Adverse / Beneficial)	Residual Significance (Neutral / Negligible / Minor / Moderate / Major)
Belstane Farm (South)	High	Visual effect – increased landscape elements	Mitigation hedge and tree planting	Negligible	Direct	Long-term	Permanent (landscape)	Beneficial	Negligible
The Byrny	High	Visual effect – increased landscape elements	Local screening	No change / Negligible	Direct	Long-term	Permanent (landscape)	Beneficial	Neutral / Negligible
Burnbrae	High	Visual effect – solar / BESS infrastructure and increased landscape elements	Mitigation hedge and tree planting	Slight	Direct	Long-term	Permanent (landscape)	Beneficial	Moderate
Greenburn	High	Visual effect	Local screening	No change / Negligible	Direct	Long-term	Temporary (infrastructure)	Adverse	Neutral
Latch Farm Cottages	High	Visual effect	Local screening	No change / Negligible	Direct	Long-term	Permanent (landscape)	Adverse	Neutral
Whitemoss Cottages	High	Visual effect	Local screening	No change / Negligible	Direct	Long-term	Temporary (infrastructure)	Adverse	Neutral / Negligible
Kirknewton House	High	Visual effect	Local screening	No change / Negligible	Direct	Long-term	Temporary (infrastructure)	Adverse	Neutral / Negligible
Ormiston Hill House & Ormiston Bungalow	High	Visual effect – solar / BESS infrastructure and increased landscape elements	Mitigation hedge and tree planting	Negligible / Slight	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Negligible / Minor
Ormiston Hill & Ormiston Farm Steadings	High	Visual effect – solar / BESS infrastructure and increased landscape elements	Local screening	No change / Negligible	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Beneficial	Negligible
Cockmylane	High	Visual effect – solar / BESS infrastructure	Mitigation hedge and tree planting	Slight / Negligible	Direct	Long-term	Permanent (landscape)	Adverse	Moderate / Minor

Receptor	Sensitivity (Low / Medium / High)	Likely Effect	Secondary Mitigation Proposed?	Magnitude of Impact (No change/ Negligible / Slight / Moderate / Substantial)	Nature of Effect (Direct / Indirect)	Temporal Scale (Short / Medium / Long)	Permanence of Effect (Temporary / Permanent)	Type of Effect (Adverse / Beneficial)	Residual Significance (Neutral / Negligible / Minor / Moderate / Major)
		and increased landscape elements					Temporary (infrastructure)		
Overton Farm & Overton Farm Cottages	High	Visual effect	Mitigation hedge and tree planting	No change / Negligible	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Negligible
Core Path 1	High	Visual effect	Local screening, and mitigation hedge and tree planting	Negligible	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Minor
National Cycle Route (NCR) 75	High	Visual effect	Local screening, and mitigation hedge and tree planting	Negligible	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Minor
Core Path 13	High	Visual effect	Local screening, and mitigation hedge and tree planting	Negligible	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Minor
Core Path 15	High	Visual effect	Local screening	Negligible	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Minor
Kaimes Hill Fort	High	Visual effect – solar infrastructure and increased landscape elements	Mitigation hedge and tree planting	Slight	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Moderate

Receptor	Sensitivity (Low / Medium / High)	Likely Effect	Secondary Mitigation Proposed?	Magnitude of Impact (No change/ Negligible / Slight / Moderate / Substantial)	Nature of Effect (Direct / Indirect)	Temporal Scale (Short / Medium / Long)	Permanence of Effect (Temporary / Permanent)	Type of Effect (Adverse / Beneficial)	Residual Significance (Neutral / Negligible / Minor / Moderate / Major)
Dalmahoy Hill (Fort)	High	Visual effect – solar infrastructure and increased landscape elements	Mitigation hedge and tree planting	Negligible	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Minor
Leyden Road	Medium	Visual effect – solar / BESS infrastructure and increased landscape elements	Mitigation hedge and tree planting	Moderate	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Moderate
B7031	Medium	Visual effect	Local screening, and mitigation hedge and tree planting	No change	Direct	Long-term	Permanent (landscape) Temporary (infrastructure)	Adverse	Neutral



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