

Environmental Impact Assessment Report

Lairdmannoch Energy Park

Chapter 16: Summary of Predicted Residual Effects

Lairdmannoch Energy Park Limited

May 2025



Contents

16 Summary of Predicted Residual Effects	1
16.1 Introduction	1
16.2 Residual Effects	1
Tables	
Table 16-1: Summary of Residual effects	2
Figures	
Figure 1-1 Site Location Plan	

Glossary of Terms

Term	Definition
The Applicant	Lairdmannoch Energy Park Limited
The Agent	Atmos Consulting Limited
Environmental Advisors and Planning Consultants	Atmos Consulting Limited
Environmental Impact Assessment	Environmental Impact Assessment (EIA) is a means of carrying out, in a systematic way, an assessment of the likely significant environmental effects from a development
Environmental Impact Assessment Regulations	The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 (EIA Regulations)
Environmental Impact Assessment Report	A document reporting the findings of the EIA and produced in accordance with the EIA Regulations
The Proposed Development	Lairdmannoch Energy Park
The Proposed Development Site	The full application boundary as per Figure 1-1

List of Abbreviations

Abbreviation	Description
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
GVA	Gross Value Added

16 Summary of Predicted Residual Effects

16.1 Introduction

This Chapter of the Environmental Impact Assessment (EIA) Report provides a summary of the key conclusions of the EIA, namely the residual effects – the effects of the Proposed Development that are predicted to remain, following implementation of the proposed mitigation.

16.2 Residual Effects

The residual effects of the Proposed Development following the implementation of embedded and additional mitigation are assessed within each technical chapter of this EIA Report (**Chapters 5 to 14**).

There are Minor beneficial effects in relation to the development, construction and operational phases of the Proposed Development relating to the positive effects of the Proposed Development on the UK's, Scotland's and Dumfries and Galloways' economy through the creation of employment opportunities and Gross Value Added (GVA) into the economy, see **Chapter 12: Socioeconomics, Tourism & Recreation**.

There is a Major beneficial effect on the climate and the UK's energy supply in relation to the operational phase of the Proposed Development cumulatively with other renewable generation, see **Chapter 13: Climate Change and Carbon Balance**.

No significant adverse effects are predicted for the following topics and as such no specific mitigation measures (Chapter 15), in addition to the embedded mitigation which has been incorporated within the design, are proposed:

- Noise (Chapter 9);
- Socio-economics, Tourism and Recreation (Chapter 12); and
- Climate Change and Carbon Balance (Chapter 13).

Following the implementation of mitigation measures as outlined in Chapter 15, no significant adverse residual effects are predicted within the following topics:

- Ecology (Chapter 6);
- Ornithology (Chapter 7);
- Hydrology, Geology and Hydrogeology (Chapter 8);
- Transport and Access (Chapter 11); and
- Other Considerations (Chapter 14).

Significant residual effects are predicted in relation to Landscape and Visual (Chapter 5) and Cultural Heritage (Chapter 10). The effects on both Landscape and Visual and Cultural Heritage have been minimised in so far as possible through design modifications and input to the design process.

A summary of these significant adverse residual effects is presented in Table 16-1 below.

Table 16-1: Summary of Residual effects

Receptor	Mitigation Measures (refer to Chapter 15 for detail)	Residual Effect
Landscape and Visual		
RVAA Property P4 Backfell	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8 Additional Mitigation Measures per.5.12	Major
RVAA Property Group P5 Beoch Farm & Cottage	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8 Additional Mitigation Measures per.5.12	Major
RVAA Property Group P6 Edgarton Farm & Cottage	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8 Additional Mitigation Measures per.5.12	Major/ Moderate
RVAA Property P7 Cot Cottage	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8 Additional Mitigation Measures per.5.12	WITHOUT FORESTRY: Major/Moderate
RVAA Property P8 Grobdale of Balmaghie	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8	WITHOUT FORESTRY: Major/Moderate
Laurieston Church Road	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8	Major/ Moderate WITHOUT FORESTRY: Major
Laurieston-Upper	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8	Moderate WITHOUT FORESTRY: Major/Moderate WITHOUT FORESTRY (Night-Time): Moderate
Core Path Loch Mannoch-Kirkconnell	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8	Major/Moderate
Core Path, Loch Whinyeon	Embedded Mitigation Measures per. 5.7	Major/ Moderate WITHOUT FORESTRY: Major
Core Path, Disdow Wood to Glengap and north through Laurieston Forest	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8	Major/ Moderate (Localised) WITHOUT FORESTRY: Major (Localised)

Receptor	Mitigation Measures (refer to Chapter 15 for detail)	Residual Effect
A762 between Kirkconnell and Laurieston	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8 Additional Mitigation Measures per.5.12	Moderate
Neilson's Monument, Barstobrick Hill.	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8	Major
Significant Residual Effects on Designated Landscapes		
Galloway Hills RSA	Embedded Mitigation Measures per. 5.7	Major/ Moderate (Localised)
Cultural Heritage		
Scheduled Loch Mannocho, cairn & stone circle N end of (Asset 1)	Embedded Mitigation Measures per. 10.6	Moderate
Non-designated assets, Burnt Mound (Asset 77) and Building Remains (Asset 169)	Embedded Mitigation Measures per. 10.6 Additional Mitigation Measures per. 10.8	Moderate