



Environmental Impact Assessment Report

Lairdmannoch Energy Park

Chapter 16: Summary of Predicted Residual Effects (Additional Information)

Lairdmannoch Energy Park Limited

wind2

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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	Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 ('the EIA Regulations')
Environmental Impact Assessment Report	A document reporting the findings of the EIA and produced in accordance with the EIA Regulations.
<i>2025 EIA Report</i>	<i>Environmental Impact Assessment Report submitted with application ECU00004900 in May 2025</i>
The Proposed Development	Lairdmannoch Energy Park
The Proposed Development Site	The full application boundary as per Figure 1-1

List of Abbreviations

Abbreviation	Description
<i>AI</i>	<i>Additional Information</i>
<i>ECU</i>	<i>Energy Consents Unit</i>
EIA	Environmental Impact Assessment
GVA	Gross Value Added
<i>NSA</i>	<i>National Scenic Area</i>

16. Schedule of Mitigation

16.1 Introduction

- 16.1.1. *In May 2025, Lairdmannoch Energy Park Limited ('the Applicant') submitted a planning application (Ref. No: ECU00004900) to the Energy Consents Unit (ECU) seeking consent under Section 36 of the Electricity Act 1989 (the 'Electricity Act') and deemed planning permission under Section 57 of the Town and Country Planning (Scotland) Act 1997 (the '1997 Act') for the construction and operation of an electricity generating station known as Lairdmannoch Energy Park (the 'Proposed Development').*
- 16.1.2. *The application included an Environmental Impact Assessment Report (2025 EIA Report), prepared in accordance with the Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 (the 'EIA Regulations').*
- 16.1.3. *This revised version of **Chapter 16: Summary of Predicted Residual Effects** (May 2025) forms part of the supporting documentation to the Additional Information (AI) Report.*
- 16.1.4. *The Chapter text is reproduced in full and replaces the version contained within the 2025 EIA Report. New text is shown in red italics, while text replacing the original has been identified used strikethrough formatting.*
- 16.1.5. This *revised* Chapter 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

- 16.2.1. The residual effects of the Proposed Development following the implementation of embedded and additional mitigation are assessed within each technical chapter of the *2025 EIA Report or where applicable, within the revised Chapters submitted as supporting documentation to the AI Report, which supersede the corresponding chapters of the 2025 EIA Report.*
- 16.2.2. 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 of the 2025 EIA Report.**
- 16.2.3. 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 **AI Chapter 13: Climate Change and Carbon Balance.**
- 16.2.4. 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 (*AI Chapter 9*);
 - Socio-economics, Tourism and Recreation (Chapter 12); and
 - Climate Change and Carbon Balance (*AI Chapter 13*).
- 16.2.5. Following the implementation of mitigation measures as outlined in **AI Chapter 15: Schedule of Mitigation**, no significant adverse residual effects are predicted within the following topics:
- Ecology (*AI Chapter 6*);

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

- 16.2.6. Significant residual effects are predicted in relation to Landscape and Visual (*AI Chapter 5*) and Cultural Heritage (*AI 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.
- 16.2.7. A summary of these significant adverse residual effects is presented in **Table 16-1** below.
- 16.2.8. *One of the key drivers for amending the layout was to reduce the effects on the Special Landscape Quality 3 of the Fleet Valley National Scenic Area (NSA). The revised assessment in **AI Technical Appendix 5-5** records that the effects across the NSA were downgraded with the highest level at Moderate/Minor, compared to Moderate in the previous design.*
- 16.2.9. *The only other changes in residual effect compared with the 2025 EIA Report are the reduction of landscape and visual residual effects on the Laurieston Church Road and Laurieston-Upper receptors and reduction on one of the residents in the RVAA.*

Table 16-1: Schedule of Mitigation

Receptor	Mitigation Measures (refer to <i>the revised</i> Chapter 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/Slight
Laurieston Church Road	Embedded Mitigation Measures per. 5.7 Construction Mitigation Measures per. 5.8	Major/ Moderate WITHOUT FORESTRY: Major/Moderate
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)
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

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Receptor	Mitigation Measures (refer to <i>the revised</i> Chapter for detail)	Residual Effect
Significant Residual Effects on Designated Landscapes		
Galloway Hills RSA	Embedded Mitigation Measures per. 5.7	Major/ Moderate (Localised)
Cultural Heritage		
Scheduled Loch Mannoch, 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