

Euchanhead Renewable Energy Development

Additional Environmental Information
Chapter 2: Site Description and Design
Evolution



Table of Contents

Abbreviations	3
2. Site Description and Design Evolution	4
2.1. Introduction	4
2.2. Design Amendments to the Proposed Development	4
2.2.1. Design Amendments	4

Abbreviations

Additional Environmental Information	AEI
Dumfries and Galloway Council	DGC
Environmental Impact Assessment	EIA
Section 36 (of The Electricity Act 1989)	S36

2. Site Description and Design Evolution

2.1. Introduction

Chapter 2: Site Description and Design Evolution, of the Environmental Impact Assessment (EIA) Report sets out the design strategy for the proposed Development, which is to balance achieving maximum energy yield whilst creating a layout which limits (where possible) visual effects and effects on other environmental constraints. The design strategy for the proposed Development remains the same as set out in the EIA Report.

This Additional Environmental Information (AEI) Chapter sets out the changes to the proposed Development following changes to the Site layout, and consultee responses to the 2020 Euchanhead Renewable Energy Development Section 36 (S36) application.

2.2. Design Amendments to the Proposed Development

Table 2:1 details a summary of the relevant consultee responses, to the S36 application, that have led to amendments to the Site layout from that which was presented in the EIA Report.

Table 2:1 – Consultation Response Summary (Site Layout Specific)

Consultee	Date	Consultee Response
Dumfries and Galloway Council (DGC) Landscape Architect	29 March 2023	Removal of some consistently problematic turbines would greatly improve the fit of the scheme, both to underlying landscape and also other established wind farm developments. I consider the key problematic turbines to be: 9, 10, 11, and 19, 20, 21. These raise issues across between 4 and 9 viewpoints, and I recommend their removal.

Following the DGC landscape architect response set out in **Table 2:1** above, a design meeting was held in June 2024 between the Applicant (and their landscape consultant), DGC, Ininside Farrar, and the Energy Consents Unit. This meeting focused on amending the Site layout so as to address the landscape and visual concerns outlined in **Table 2:1**, as far as possible. Following the meeting, DGC (via email) confirmed that should the Site layout be amended to remove Turbines No. 20 and No.21, and reduce the blade tip heights (from 230m to 200m) of Turbines No. 9, No. 10, No. 11, No. 18, and No.19, that this would address their key landscape and visual related concerns.

2.2.1. Design Amendments

In order to address the consultee response detailed in **Table 2:1**, the following, detailed in **Table 2:2** to **Table 2:3**, are the amendments to the proposed Development (from that set out in the 2020 EIA Report). No other changes to the proposed Development have been made, including no change to the application boundary.

Table 2:2 – Amendments to Wind Turbines

Site Infrastructure	Summary of Changes from EIA Report to AEI
Turbine No. 20 (and associated crane pad)	<p>Removal of Turbine No. 20 and its associated crane pad.</p> <p>This design amendment was primarily made to address DGC’s Landscape Architect’s response as per Table 2:1, and as a result of discussions from the June 2024 design meeting. The removal of this wind turbine is considered to be beneficial for views from several key viewpoints considered in the EIA Report (VPs 2, 3, 7, 9 and 13).</p>
Turbine No. 21 (and associated crane pad)	<p>Removal of Turbine No. 21 and its associated crane pad.</p> <p>This design amendment was primarily made to address DGC’s Landscape Architect’s response as per Table 2:1, and as a result of discussions from the June 2024 design meeting. The removal of this wind turbine is considered to be beneficial for views from several key viewpoints considered in the EIA Report (VPs 2, 3, 7, 9 and 13).</p>
Turbine No. 9	<p>Reduction in blade tip height of Turbine No. 9 from 230m to 200m.</p> <p>This design amendment was primarily made to address DGC’s Landscape Architect’s response as per Table 2:1, and as a result of discussions from the June 2024 design meeting. The reduction in blade tip height is considered to make landscape and visual impacts on the Lorg Valley more localised.</p>
Turbine No. 10	<p>Reduction in blade tip height of Turbine No. 10 from 230m to 200m.</p> <p>This design amendment was primarily made to address DGC’s Landscape Architect’s response as per Table 2:1, and as a result of discussions from the June 2024 design meeting. The reduction in blade tip height is considered to make landscape and visual impacts on the Lorg Valley more localised.</p>
Turbine No. 11	<p>Reduction in blade tip height of Turbine No. 11 from 230m to 200m.</p> <p>This design amendment was primarily made to address DGC’s Landscape Architect’s response as per Table 2:1, and as a result of discussions from the June 2024 design meeting. The reduction in blade tip height is considered to make landscape and visual impacts on the Lorg Valley more localised.</p>
Turbine No. 18	<p>Reduction in blade tip height of Turbine No. 18 from 230m to 200m.</p>



	This design amendment was primarily made to address DGC's Landscape Architect's response as per Table 2:1, and as a result of discussions from the June 2024 design meeting. The reduction in blade tip height is considered to reduce visual impacts on the Striding Arches hill walk route.
Turbine No. 19	Reduction in blade tip height of Turbine No. 19 from 230m to 200m. This design amendment was primarily made to address DGC's Landscape Architect's response as per Table 2:1, and as a result of discussions from the June 2024 design meeting. The reduction in blade tip height is considered to reduce visual impacts on the Striding Arches hill walk route.

Table 2:3 – Amendments to Access Tracks

Site Infrastructure	Summary of Changes from EIA Report to AEI
Access track to Turbine No. 20	Removal of approximately 1,130.72m of proposed access track. This design amendment is a result of the removal of Turbine No. 20.
Access track to Turbine No. 21	Removal of approximately 1,231.85m of proposed access track. This design amendment is a result of the removal of Turbine No. 21.

A comparison of the previous 2020 EIA Report Site layout and the 2025 AEI Site layout is shown on **AEI Figure 2.4**.

AEI Figure 3.1 shows the 2025 AEI Site layout.

The Aviation Lighting that was proposed as part of the 2020 EIA Report has been amended. **AEI Technical Appendix 15.4** sets out the updates to the Aviation Lighting proposed.

The anticipated installed capacity of the proposed Development remains 126MW (as presented in the 2020 EIA Report), despite the removal of two turbines and blade tip height reduction of five others. This is due to the evolution in turbine technology in the 5 years since the submission of the 2020 S36 application.