

Euchanhead Renewable Energy Development

Additional Environmental Information
Chapter 5: EIA Approach and
Methodology



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Abbreviations

Additional Environmental Information	AEI
Environmental Impact Assessment	EIA

5. EIA Approach and Methodology

5.1. Introduction

Chapter 5: Environmental Impact Assessment Approach and Methodology of the Environmental Impact Assessment Report (EIA Report) discusses the need for EIA and sets out the approach to assessment taken in respect of the proposed Development.

The methodologies used for the assessments carried out as part of this Additional Environmental Information (AEI) remain consistent with the original EIA Report unless otherwise stated within the SEI technical chapters.

5.2. Cumulative

Since submission of the Euchanhead application in late 2020, there have been relevant changes to the cumulative situation as assessed in the EIA Report. The following windfarms which were consented (but not yet built) at the time of writing the EIA Report are now operational:

- Sandy Knowe (24 turbines, 125 tip height, 3.4km from the nearest proposed turbine)
- Windy Rig (12 turbines, 125m tip height, 4.5km from the nearest proposed turbine);
- Twentyshilling Hill (9 turbines, 124.9m tip height, 8.3km from the nearest proposed turbine);
- South Kyle (50 turbines, 149.9m tip height, 9.2km from the nearest proposed turbine); and
- Enoch Hill (16 turbines, 149.9m tip height, 9.4km from the nearest proposed turbine);

Other wind farms projects which are under construction, consented (but not yet built) or are proposed (and are the subject of valid planning or consent applications) within 10km of the Site are presented in **Table 5:1**.

Table 5:1 – Cumulative Renewable Energy Developments (Consented or in Planning) Within 10km of the Site (as of 1 June 2025)

Name	Status	Number of Turbines	Tip Height(s)	Distance (nearest turbine)
Sanquhar II	Consented	44	200m/149m	adjacent
Lorg	Consented	9	130m/149.9m	adjacent
Manquhill	Consented	8	200m	3.6km
Cornharrow	Consented	7	200m	4.3km
Pencloe	Under Construction	19	149.9m	5.3km
Shepherds Rig	Consented	17	125m/149.9m	7.6km
Troston Loch	Consented	14	149.9m	8.7km
Glenmuckloch	Consented	8	149.9m	9.0km
Enoch Hill	Under Construction	16	149.9m	9.4km



Lethans + Extension	Consented	22 + 10	176m/200m/220+250m	9.4km
Windy Standard 3	Consented	20	125m/177.5m	9.9km
Lorg (2022)	In Planning	10	200m	adjacent
Appin	In Planning	9	200m	adjacent
Sandy Knowe Extension	In Planning	6	125m/149.9m	3.8km
Herds Hill	In Planning	3	149m	3.9km
Windy Standard 1 Repowering	In Planning	8	200m	4.3km
Cloud Hill	In Planning	10	180m	4.4km
Rowancraig	In Planning	6	180m	5.2km
Pencloe Extension	In Planning	19	149.9m	7.7km
Enoch Hill 2	In Planning	2	149.9m	8.3km
Quantans Hill	In Planning	14	200m	9.5km

Some of the projects detailed in **Table 5:1** are located immediately adjacent to the Euchanhead Renewable Energy Development Site. It is acknowledged that the wind turbines from the proposed Development and these immediately adjacent schemes, may impact on one another in terms of wind yield and efficiency. Any subsequent reduction in operational output and carbon emissions savings (as a result of the impacts on wind yield /efficiency), would be significantly less than the installed capacity of the proposed Development and its associated carbon emissions savings. In accordance with the guidance in planning advice note 45 (PAN 45), no wind turbines from the proposed Development are located within three times rotor diameter distance (450m) of the nearest wind turbines of any neighbouring wind farm schemes. The closest wind turbines of the proposed Development and any neighbouring scheme are approximately 497m apart, with most well in excess of 600m or four times the rotor diameter.