

1 Introduction

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1 Introduction

1.1 Background

- 1.1.1 Energy Isles Ltd submitted an application for Section 36 consent under the Electricity Act 1989 for the proposed Energy Isles Wind Farm (hereafter referred to as the ‘Proposed Development’) to the Scottish Ministers via the Scottish Government’s Energy and Consents Unit (ECU), in April 2019 (ref. ECU00000725). Consent and deemed planning permission are sought to construct and operate the Proposed Development for a limited operational period of 30 years.
- 1.1.2 Since the submission of the Section 36 application, Energy Isles Ltd has announced a development partnership with Statkraft UK Ltd. The partnership, operating as Energy Isles Shetland Limited is now the Applicant for the Proposed Development.

1.2 The Proposed Development

- 1.2.1 The Proposed Development that is considered and described within the original Environmental Impact Assessment (EIA) (hereafter referred to as the ‘2019 EIA Report’) has changed following consideration of consultee objections and/or comments. The site boundary remains unchanged.
- 1.2.2 The Proposed Development consists of 23 turbines, (9 up to 180 m tip and 14 up to 200 m tip), a meteorological mast, substation compound, and associated infrastructure. The changes between the Proposed Development (the 2020 Layout) and the original layout assessed within the 2019 EIA Report (the 2019 Layout) are described in more detail with Chapter 3 of this Supplementary Environmental Information (SEI).
- 1.2.3 The total installed capacity of the Proposed Development based on the 2020 Layout would be approximately 160 MW, but no greater than 200 MW¹. Based on the capacity factors of other wind farms on Shetland² and supported by independent analysis, the annual indicative energy output for the site is expected to be approximately 714,816³ MWh/p.a., indicating that the Proposed Development would generate enough electricity to power over 197,572⁴ average Scottish households (based on Department of Business, Energy and Industrial Strategy (BEIS) UK average domestic household consumption is 3,618 kWh/p.a. (BEIS, 2019)). The Proposed Development is anticipated to save 180,000 tonnes of carbon emissions annually (refer to Chapter 16 for further details).

1.3 Purpose of the Supplementary Environmental Information

- 1.3.1 The EIA process is designed to enable informed decision-making based on the best available information about the environmental implications of a Proposed Development.
- 1.3.2 The 2020 SEI supplements the information provided in the 2019 EIA Report and has been produced for the purpose of addressing the matters raised through the consultation process on the 2019 EIA Report (refer to Chapter 2 of the 2020 SEI). The 2020 SEI does not replicate information previously provided within the 2019 EIA Report, and is provided by the Applicant to ensure that the Scottish Ministers, statutory consultees and interested stakeholders have all the relevant information on the

¹ 160 MW is target capacity. Actual installed capacity may vary dependent on turbine model selection

² e.g. Burradale Wind Farm on the island of Mainland, Shetland has an average annual capacity factor of 52% <https://www.burradale.co.uk/>. This has been independently, validated by a third party consultant using analysis of the wind resource for the Proposed Development .

³ This has been calculated by multiplying the annual capacity of the Proposed Development (160 MW) by the hours in a year (8760) by the capacity factor (51%) (Renewable UK, 2020).

⁴ This has been calculated by dividing the annual power output (714,816 MWh) by annual UK average household consumption (3.618 MWh) (Renewable UK, 2020).

likely significant effects of the Proposed Development. Further information on the Proposed Development and changes to the 2019 layout are provided within Chapter 3 of the 2020 SEI.

- 1.3.3 Notice of the additional information provided in the 2020 SEI has been given in accordance with the requirements of the Electricity Act 1989. The 2020 SEI can be viewed online or in the formats set out in Section 1.5.45 below.

Structure of the 2020 SEI Report

- 1.3.4 The structure of the 2020 SEI follows the same format and sequence used in the 2019 EIA Report for ease of reference. The 2020 SEI is structured as follows:
- Chapter 2 summarises the responses received following submission of the 2019 EIA Report and details where, within the 2020 SEI, the Applicant’s responses can be found;
 - Chapter 3 provides a description of the changes to the Proposed Development and the final design of the Proposed Development;
 - Chapter 4 provides the approach to the 2019 EIA Report and the 2020 SEI;
 - Chapter 5 to 16 provide the Applicant’s response to consultee comments and an updated assessment of effects for each technical discipline based on the 2020 Layout;
 - Chapter 17 provides an updated schedule of the environmental commitments being made by the Applicant; and
 - Chapter 18 provides an updated summary of the residual effects.

1.4 The 2020 SEI Team

- 1.4.1 The 2020 SEI has been compiled and undertaken by the same project team as outlined in the 2019 EIA Report (refer to section 1.5 of the 2019 EIA Report).

1.5 Availability of the 2020 SEI

- 1.5.1 Copies of the 2020 SEI are available from:

EnergyIsles@statkraft.com

- 1.5.2 Electronic copies of the 2020 SEI can be accessed at <http://www.energyconsents.scot/> or at <https://www.energyisles.co.uk/> as required by the Electricity Works (Miscellaneous Temporary Modifications) (Coronavirus) (Scotland) Regulations 2020.

- 1.5.3 Hard copies of The Non-Technical Summary (NTS) are available free of charge from the Applicant and a hard copy of the 2020 SEI for £800. In addition, all documents are available (as a PDF for screen viewing only) on a USB for £20.

- 1.5.4 Due to COVID-19 Pandemic and in-line with The Electricity Works (Miscellaneous Temporary Modifications) (Coronavirus) (Scotland) Regulations 2020 (Scottish Government, 2020) no physical copies are available for public viewing at the point of submission. However, should this change during the consultation period then public copies will be made available at the following locations:

Cullivoe Village Hall	Lerwick Town Hall
Cullivoe	Hillhead
Yell	Lerwick
Shetland Islands	Shetland Islands
ZE2 9DD	ZE1 0JL

1.6 Representations to the Application

1.6.1 Any representations to the application should be made directly to the case officer at the Scottish Government Energy Consents Unit (ECU) as follows:

Energy Consents Unit	email: representations@gov.scot
Scottish Government	
5 Atlantic Quay	online: www.energyconsents.scot
150 Broomielaw	
Glasgow	
G2 8LU	

1.7 References

Scottish Government (2017). *The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017*. Available at: <http://www.legislation.gov.uk/ssi/2017/101/contents/made>

Scottish Government (2020). *The Electricity Works (Miscellaneous Temporary Modifications) (Coronavirus) (Scotland) Regulations 2020*. Available at:
<http://www.legislation.gov.uk/ssi/2020/123/contents/made>

UK Government (1989). *The Electricity Act (as amended)*. Available at:
<http://www.legislation.gov.uk/ukpga/1989/29/contents>