

1 Introduction

Contents

1.1	Background	1-1
1.2	The Proposed Development	1-1
1.3	Purpose of this Supplementary Environmental Information	1-2
1.4	The SEI 2 Team	1-2
1.5	Availability of SEI 2	1-3
1.6	Representations to the Application	1-4
1.7	References	1-4

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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 Supplementary Environmental Information (SEI) was submitted in August 2020 (hereafter referred to as the ‘2020 SEI’). The 2020 SEI updated the 2019 EIA Report following a reduction in the scale of the Proposed Development in response to consultee objection and comments. This document presents a second round of Supplementary Environmental Information (hereafter referred to as ‘SEI 2’). This has been produced to update the 2019 EIA Report and 2020 SEI and to specifically address the points of concern raised by NatureScot (formerly Scottish Natural Heritage (SNH)), Scottish Environment Protection Agency (SEPA) and Shetland Islands Council (SIC) in response to the 2020 SEI.
- 1.2.3 The Applicant is proposing further revisions to the design, which are described in detail in Chapter 3. Notable changes include the removal of five turbines with all remaining turbines set at 180m tip height, the removal of three borrow pit search areas, and the adjustment of some of the access tracks, junctions and areas of hardstanding. Figure 1.1 shows the revised design of the Proposed Development.
- 1.2.4 The total installed capacity of the Proposed Development (subject to turbine procurement) would be approximately 126 MW, but no greater than 200MW.
- 1.2.5 Based on the capacity factors of other wind farms on Shetland¹ and supported by independent analysis, the annual indicative energy output for the site is expected to be approximately 562,917² MWh/p.a., indicating that the Proposed Development would generate enough electricity to power over 157,327 average UK households³ (based on Department of Business, Energy and Industrial Strategy (BEIS) UK average domestic household consumption of 3,578 kWh/p.a. (BEIS, 2020)). The Proposed Development is anticipated to save 143,000 tonnes of carbon emissions annually (refer to Chapter 16 for further details).
- 1.2.6 Further information on the Proposed Development and changes to the layout are provided within Chapter 3.

¹ 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 to assume a capacity factor of 51%*

² *This has been calculated by multiplying the annual capacity of the Proposed Development (126 MW) by the hours in a year (8760) by the capacity factor (51%)*

³ *This has been calculated by dividing the annual power output (562,917 MWh) by annual UK average household consumption (3.578 MWh) (BEIS, 2020).*

1.2.7 Notice of the additional information provided in SEI 2 has been given in accordance with the requirements of the Electricity Works (Environmental Impact Assessment) (Scotland) 2017. SEI 2 can be viewed online or in the formats set out in Section 1.5 below.

1.3 Purpose of this Supplementary Environmental Information

1.3.1 SEI 2 updates the 2019 EIA Report and the 2020 SEI following changes to the Proposed Development in order to address concerns raised by NatureScot, SEPA and SIC.

1.3.2 The document has been compiled based on further consultation and correspondence with SEPA and NatureScot, as well as SIC, which has been undertaken in conjunction with the ECU. The consultation feedback has shaped SEI 2 and is detailed in Chapter 2 of this SEI 2.

Structure of SEI 2

1.3.3 The structure of SEI 2 follows the same format and sequence used in the 2019 EIA Report and in the 2020 SEI, for ease of reference. SEI 2 is structured as follows:

- Chapter 2 summarises the responses received and further consultation undertaken following submission of the 2020 SEI and details where, within SEI 2, 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 SEI 2.
- Chapters 5 to 16 provide the Applicant’s response to consultee comments and an updated assessment of effects for each technical discipline, where relevant, and based on the revised layout.
- Chapter 17 provides an updated schedule of the environmental commitments being made by the Applicant.
- Chapter 18 provides an updated summary of the residual effects.

1.4 The SEI 2 Team

1.4.1 SEI 2 has been compiled and undertaken mainly by the same project team as outlined in the 2019 EIA Report and the 2020 SEI (refer to Chapter 1, Section 1.5 of the 2019 EIA Report). Some of the team members have changed since 2019 and the role and experience of these individuals, in SEI 2, is shown in Table 1.1 below:

Table 1.1 Updated EIA Team

Person	Role	Expertise	Qualifications
Paul Darnbrough (ITPEnergised)	EIA Project Manager, editor, and author of introductory and concluding chapters. (until July 2021)	Over 15 years’ experience leading and undertaking EIAs across a range of sectors, including wind farms across Scotland.	BSc, MSc, MIEMA, CEnv
Gavin Spowage (ITPEnergised)	EIA Project Manager (from July 2021)	17 years’ experience project managing EIAs in various sectors across UK including wind farms.	BSc (Hons), MSc, PIEMA

Person	Role	Expertise	Qualifications
Sarah Tullie (ITP Energised)	EIA Assistant Project Manager	Over 2 years' experience providing a supporting role in EIA's for renewable projects, including onshore wind.	BSc, MSc
David Bell (David Bell Planning Ltd)	Planning and consenting lead	Planner with over 30 years of experience across the UK.	BSc (Hons), DipUD, MRTPI, MCIHT
James Welch (Optimised Environments)	Landscape and visual lead	Landscape Architect with over 34 years of experience.	BA Hons FLI
Peter Dunmow (HEPLA)	Landscape and visual support	Chartered landscape architect with over 26 years of experience across multiple wind farm sites.	BA (Hons), MA (Hons), CMLI, Diploma Landscape Architecture
Gordon Buchan (Pell Frischmann)	Traffic and transport lead	Transport planner with over 24 years experience, specialising in renewable energy transport and access projects across Northern Europe.	BEng (Hons), MSc, CMILT, MCIHT
Graeme Blackett (BIGGAR Economics)	Socio-economic lead	Economist with over 25 years' experience, specialising in the wind sector.	BA (Hons), MEDAS, MIED

1.5 Availability of SEI 2

1.5.1 Copies of SEI 2 are available from:

EnergyIsles@statkraft.com

1.5.2 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 will be available for public viewing on the date of submission. Electronic copies of SEI 2 can be accessed at <http://www.energyconsents.scot/> or at <http://www.energyisles-shetland.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 SEI 2 for £800. In addition, all documents are available (as a PDF for screen viewing only) on a USB for £20.

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	online: www.energyconsents.scot
5 Atlantic Quay	
150 Broomielaw	
Glasgow	
G2 8LU	

1.7 References

Department for Business, Energy & Industrial Strategy (BEIS) (2020). *Sub-national electricity and gas consumption summary report 2019*. Available at:

<https://www.gov.uk/government/statistics/sub-national-electricity-and-gas-consumption-summary-report-2019>

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>

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