RWE

Enoch Hill 2 Wind Farm
Planning Application
EIA Report - Volume 1: Main Report
August 2023



Report for

Anna Eberts
Development Project Manager
RWE Renewables UK Onshore Wind Limited
Earn House
Lamberkine Drive
Perth
PH1 1RA

Main contributors

Neil Marlborough Emma Brown Graham Burt-Smith Richard Bagnall Ben Amaira Mark Evans Rohan Sinha Rebecca Rylott Victoria Park Craig Stewart John Mabbitt Jenny Sneddon Pete Clark Shaun Salmon John Amy Kate Thurley Bev Coupe Adam Guy Steven Fitzpatrick Gareth Hughes Peter Munro Stewart Heald (Osprey Consulting) Neil McKay (McKay Forestry) Glen Robson Vicky McLean Georgia Gabb

Vicky McLean Approved by

WSP

Glen Robson

WSP House 70 Chancery Lane London WC2A 1AF United Kingdom Tel +44 (0)20 7314 5000

Copyright and non-disclosure notice

The contents and layout of this report are subject to copyright owned by WSP save to the extent that copyright has been legally assigned by us to another party or is used by WSP under licence. To the extent that we own the copyright in this report, it may not be copied or used without our prior written agreement for any purpose other than the purpose indicated in this report. The methodology (if any) contained in this report is provided to you in confidence and must not be disclosed or copied to third parties without the prior written agreement of WSP. Disclosure of that information may constitute an actionable breach of confidence or may otherwise prejudice our commercial interests. Any third party who obtains access to this report by any means will, in any event, be subject to the Third Party Disclaimer set out below.

Third party disclaimer

Any disclosure of this report to a third party is subject to this disclaimer. The report was prepared by WSP at the instruction of, and for use by, our client named on the front of the report. It does not in any way constitute advice to any third party who is able to access it by any means. WSP excludes to the fullest extent lawfully permitted all liability whatsoever for any loss or damage howsoever arising from reliance on the contents of this report. We do not however exclude our liability (if any) for personal injury or death resulting from our negligence, for fraud or any other matter in relation to which we cannot legally exclude liability.

Management systems

This document has been produced in full compliance with our management systems, which have been certified to ISO 9001, ISO 14001 and ISO 45001 by Lloyd's Register.

Document revisions No. Details Date 1 First Draft 20/03/2023 2 Second Draft 24/07/2023 3 Final, for Issue 14/08/2023



Preface

This Environmental Impact Assessment ('EIA') Report has been prepared by WSP UK Limited ('WSP') on behalf of the Applicant, RWE Renewables UK Onshore Wind Limited ('RWE').

This EIA Report sets out the findings of an EIA, which has been prepared to accompany the application under the Town and Country Planning (Scotland) Act 1997 (as amended) seeking planning permission for the proposed Enoch Hill 2 Wind Farm ('the Proposed Development'), located in East Ayrshire approximately 6km to the south-west of New Cumnock and approximately 9km east of Dalmellington, just to the north of the border with Dumfries and Galloway ('the Development Site'). The Applicant proposes to erect up to 2 wind turbines and ancillary infrastructure within the Development Site for the purpose of generating electricity from wind energy. A battery storage facility is also proposed. Chapter 3 of the EIA Report provides further information on the location and description of the Proposed Development.

RWE is the global number two in development and operation of offshore wind and has a goal to become climate-neutral by 2040 (this involves reduction of greenhouse gas ('GHG') emissions beyond just carbon and also involves some contribution /compensation for emissions caused). To achieve this goal, RWE is reducing its carbon dioxide (' CO_2 ') emissions as quickly and drastically as possible, by phasing out or converting conventional power plants. RWE has already cut its greenhouse gas emissions by 60 million tonnes of CO_2 between 2012 and 2018, resulting in a 33% reduction. No other company in Germany has achieved more in the last few years and RWE is determined to continue this.

The EIA has been undertaken in accordance with Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2017 (the 'EIA Regulations') and the content of the EIA Report has been sub-divided into the following four parts:

- Non-Technical Summary (NTS) summarises the EIA Report Main Text (Volume 1) and provides a brief description of the Proposed Development, outlining the conclusions of the EIA in non-technical language;
- Volume 1 (this volume): Main Report reports the findings of the EIA in full. This volume contains a detailed description of the Proposed Development. It evaluates the existing environment, identifies and assesses the predicted environmental effects that could occur as a result of the Proposed Development. It provides a detailed analysis of the design procedure and how environmental measures (mitigation/enhancements) have been incorporated into the design to prevent, reduce or offset environmental effects identified. It describes the reasonable alternatives that were taken into account and provides reasons for selecting the Proposed Development and the Development Site;
- Volume 2: Illustrative Figures the figures accompanying the Main Report containing all the illustrative material referred to in Volume 1, including regional and local maps, wind farm design details, photomontages (simulated views of the Proposed Development) and technical diagrams; and
- Volume 3: Technical Appendices the appendices accompanying the Main Report of the EIA Report presented in Volume 1, which report details of assessment methodologies, assessment data, technical details and background information.



Terminology

For the purposes of this report the following terminology is used:

- The 'Proposed Development' the two turbines, battery storage and associated infrastructure of Enoch Hill 2 Wind Farm for which planning permission is being sought;
- The 'Development Site' means the site of the proposed Enoch Hill 2 Wind Farm, located approximately 6km south-west of the settlement of New Cumnock and approximately 9km to the east of the settlement of Dalmellington in East Ayrshire (see **Figure 1.1**). It is centred at coordinates 258250 (easting) and 606680 (northing). For descriptive purposes, in some chapters it is subdivided into the 'main site' where the turbines and the new associated infrastructure would be located and the 'access track', with reference to the existing access track that runs through the Pencloe Forest; connecting the main site to Afton Road.
- The 'Applicant' is RWE Renewables UK Onshore Wind Limited; and
- 'EAC' is East Ayrshire Council.



Contents

| 1. | Introduction | 1-1 |
|-----|---|--------------|
| 1.1 | Overview of the Proposed Development | 1-1 |
| 1.2 | Existing Site and Surroundings | 1-2 |
| 1.3 | The Applicant and the Project Team | 1-2 |
| 1.4 | History of the Proposed Development | 1-3 |
| 1.5 | Purpose of the Environmental Impact Assessment Report | 1-3 |
| 1.6 | Scope of the EIA Report | 1-4 |
| 1.7 | Structure of this EIA Report | 1-5 |
| 2. | Site Selection and Design Evolution | 2-1 |
| 2.1 | Site Selection Process | 2-1 |
| 2.2 | Consideration of Alternatives | 2-2 |
| | Site Selection | 2-3 |
| | Without the Proposed Development Technology | 2-3 2-3 |
| | Design | 2-3 |
| 3. | Description of the Proposed Development | 3-1 |
| 3.1 | Introduction | 3-1 |
| 3.2 | Development Description | 3-1 |
| | Site Location | 3-1 |
| | Existing Site and Surroundings Development Proposals | 3-1 3-2 |
| | Wind turbines | 3-3 |
| | Infrastructure Layout | 3-4 |
| | Micrositing On-site Access Tracks | 3-6 3-6 |
| 3.3 | Proposed Site Access | 3-7 |
| 0.0 | Site Entrance | 3-7 |
| | Abnormal Loads | 3-8 |
| 0.4 | General Construction Traffic | 3-8 |
| 3.4 | Construction Process Proposed Programme | 3-8 3-8 |
| | Hours of Working | 3-9 |
| | Standard Construction Working Practices | 3-10 |
| | Health and Safety during Construction Environmental Management during Construction | 3-11 3-11 |
| 3.5 | Construction Details | 3-11 |
| 3.5 | Employment Proposals | 3-13 |
| | Materials Import | 3-22 |
| | Post-Construction Development, Site Restoration and Commissioning | 3-22 |
| 3.6 | Operational Details | 3-23 |
| | Land Management Meteorological Effects and Turbine Control | 3-23 3-23 |



| | Turbine Maintenance Environmental Management during Operation Site Waste Management | 3-23 3-24 3-25 |
|------|--|--------------------------------------|
| 3.7 | End of Life Wind Farm Decommissioning Requirements Decommissioning Process | 3-25 3-25 3-25 |
| | Control Building / Substation Compound, Battery Storage and Distribution System Decommissioning Access Track Decommissioning | 3-26 3-26 |
| 4. | Approach to Preparing the Environmental Impact Assessment Report | 4-1 |
| 4.1 | The Environmental Impact Assessment Process | 4-1 |
| 4.2 | EIA Terminology Impacts and Effects Spatial and Temporal Scope | 4-1 4-1 4-1 |
| 4.3 | EIA Scoping | 4-2 |
| 4.4 | Consultation EIA Scoping Opinion | 4-3 4-3 |
| 4.5 | Overview of Assessment Methodology Introduction | 4-17 4-17 |
| 4.6 | Identification of Baseline Conditions | 4-18 |
| 4.7 | Overview to Approach to Significance Evaluation Methodology Introduction Identification of Likely Significant Effects Types of Effects Significance Evaluation | 4-19 4-19 4-19 4-19 4-20 |
| 4.8 | Assessment of Cumulative Effects | 4-23 |
| 4.9 | Mitigation Measures | 4-27 |
| 4.10 | Residual Effects | 4-28 |
| 5. | Planning Policy Context | 5-1 |
| 5.1 | Introduction | 5-1 |
| 5.2 | The Legislative Planning Framework The Town and Country Planning (Scotland) Act (as amended) (1997) The Town and Country Planning (Development Hierarchy) Regulations (Scotland) | 5-1 5-1 (2009) 5-1 |
| | The Town and Country Planning (Environmental Impact Assessment) Regulations (Scotland) (2017) | 5-1 |
| 5.3 | Renewable Energy Policy Framework International Policy and Targets UK & Scottish Policy and Targets | 5-2 5-2 5-2 |
| 5.4 | The Development Plan East Ayrshire Local Development Plan (2017) Other Material Considerations | 5-4 5-7 5-9 |
| 6. | Carbon Balance and Peat Management | 6-1 |
| 6.1 | Introduction | 6-1 |
| 6.2 | Renewable Energy Policy Context | 6-1 |



| 6.3 | Scope and Receptors | 6-2 |
|------------|--|--------------------------------------|
| 6.4 | Potential Contribution of the Proposed Development to Government Objectives Energy Yield | 6-2 6-2 |
| G E | Carbon Dioxide Savings and Electricity Generation | 6-2 |
| 6.5 6.6 | Peat Management Carbon Relance of the Proposed Development | 6-3 6-4 |
| 0.0 | Carbon Balance of the Proposed Development Overview Carbon Losses Carbon Gains | 6-4 6-4 6-5 |
| 6.7 | Carbon Payback of the Proposed Development | 6-5 |
| 6.8 | Climate Change Resilience | 6-6 |
| 6.9 | Summary | 6-8 |
| 7. | Noise 7-1 | |
| 7.1 | Introduction | 7-1 |
| 7.2 | Limitations of this Assessment | 7-2 |
| 7.3 | Relevant Legislation, Planning Policy, Technical Guidance Policy and Legislative context | 7-2 7-2 |
| 7.4 | Construction Noise Modelling Direct Effects Indirect Effects | 7-5 7-5 7-6 |
| 7.5 | Operational Noise Modelling Research Background Operational Noise Modelling for the Proposed Development Concave Ground Effect Significance Evaluation Methodology | 7-7 7-7 7-8 7-8 7-8 |
| 7.6 | Baseline Conditions Current baseline Wind Shear Enoch Hill Planning Application (2015) survey Baseline Assumptions | 7-10 7-10 7-10 7-11 7-12 |
| 7.7 | Data Gathering Methodology Study Area Desk Study Survey Work Turbine data | 7-12 7-12 7-12 7-14 7-14 |
| 7.8 | Consultation | 7-17 |
| 7.9 | Scope of the Assessment Potential Receptors | 7-18 7-18 |
| 7.10 | Assessment of Noise Effects Predicted Effects and their Significance (Development Only) – Construction Predicted Effects and their Significance (Development Only) - Operation Predicted Cumulative Effects and their Significance Battery Storage and Substation Facility | 7-18 7-18 7-19 7-22 7-26 |
| 7.11 | Conclusions of Significance Evaluation | 7-26 |
| 7.12 | Implementation of Environmental Measures Construction and Decommissioning Noise Operational Noise | 7-26 7-26 7-27 |



| 8. | Aviation 8-1 | |
|------|--|--|
| 8.1 | Introduction | 8-1 |
| 8.2 | Limitations of this Assessment | 8-1 |
| 8.3 | Relevant Legislation, Planning Policy, Technical Guidance | 8-1 |
| 8.4 | Data Gathering Methodology | 8-2 |
| 8.5 | Overall Baseline | 8-2 |
| 8.6 | Consultation | 8-4 |
| 8.7 | Scope of the Assessment Potential Effects Temporal Scope | 8-5 8-5 8-6 |
| 8.8 | Environmental Measures Embedded into the Development Proposals MOD UKLFS GPA NATS | 8-6 8-7 8-8 8-9 |
| 8.9 | Assessment Methodology Introduction Aviation Stakeholder Identification Radar Performance and Propagation Assessment Guidance Significance Evaluation Methodology Embedded Mitigations | 8-9 8-9 8-9 8-10 8-10 8-11 |
| 8.10 | Assessment of Effects Effects on MOD Low Flying Activities Effects on NATS Lowther Hill PSR Effects on GPA PSR Systems | 8-12 8-12 8-13 8-14 |
| 8.11 | Assessment of Cumulative Effects | 8-15 |
| 8.12 | Conclusions of Significance Evaluation | 8-15 |
| 8.13 | Implementation of Mitigation Measures | 8-15 |
| 9. | Landscape and Visual Impact Assessment | 9-1 |
| 9.1 | Introduction Variations | 9-1 9-1 |
| 9.2 | Policy and Legislation Wind Farm Capacity Studies | 9-2 9-2 |
| 9.3 | Consultation | 9-3 |
| 9.4 | Methodology and Approach Base of the Assessment Determining the Significance of Effects Viewpoint Selection Cumulative Wind Energy Development ZTV and Cumulative ZTV Analysis Viewpoint and Cumulative Viewpoint Analysis Geographical Extent of Potentially Significant Visual Effects Interpretation of Viewpoint Analysis Summary Tables | 9-6 9-6 9-7 9-8 9-12 9-14 9-14 |
| 9.5 | Baseline Baseline Landscape Receptors Landscape Designations Wild Land Areas | 9-22 9-22 9-24 9-25 |



| | Baseline Visual Receptors Predicted Future Baseline | 9-25 9-28 |
|--|---|---|
| 9.6 | Mitigation Inherent in the Proposed Development Landscape Design Statement Inherent Mitigation | 9-31 9-31 9-33 |
| 9.7 | Residual Landscape Effects Direct Effects on Landscape Character: Southern Uplands with Forestry LCT Direct Landscape Effects: Southern Uplands with Forestry: Strandlud Hill / Enoch Hil Carsphairn LCTs Direct and Indirect Landscape Effects: Southern Uplands LCT: Benty Cowan Hill unit Other Indirect Effects on the Surrounding Landscape Character | 9-38 |
| | Landscape Designations | 9-53 |
| 9.8 | Residual Visual Effects Overview of Visual Effects during Construction, Operation and Decommissioning Visual Effects on Views from Settlements Visual Effects on Views from Transport Routes Visual Effects on Views from Recreational Routes Visual Effects on Views from Recreational and Tourist Destinations | 9-57 9-58 9-59 9-63 9-68 9-76 |
| 9.9 | Summary of Landscape, Visual and Cumulative Effects | 9-78 |
| 9.10 | Summary and Conclusions Consultation Landscape Design Statement Cumulative Landscape Effects Cumulative Visual Assessment Conclusions | 9-90 9-90 9-90 9-91 9-93 |
| 10. | Historic Environment | 10-1 |
| | | |
| 10.1 | Introduction | 10-1 |
| 10.1 10.2 | Introduction Limitations of this assessment | 10-1 10-1 |
| | | |
| 10.2 | Limitations of this assessment Relevant legislation, planning policy, technical guidance Legislative context Planning Policy Context | 10-1 10-1 10-1 10-1 |
| 10.2 10.3 | Limitations of this assessment Relevant legislation, planning policy, technical guidance Legislative context Planning Policy Context Technical Guidance Data gathering methodology Study area Desk study | 10-1 10-1 10-1 10-3 10-4 10-4 |
| 10.2 10.3 10.4 | Limitations of this assessment Relevant legislation, planning policy, technical guidance Legislative context Planning Policy Context Technical Guidance Data gathering methodology Study area Desk study Survey work Overall baseline Current baseline | 10-1 10-1 10-1 10-3 10-4 10-4 10-4 10-5 10-5 |
| 10.2 10.3 10.4 | Limitations of this assessment Relevant legislation, planning policy, technical guidance Legislative context Planning Policy Context Technical Guidance Data gathering methodology Study area Desk study Survey work Overall baseline Current baseline Future baseline | 10-1 10-1 10-1 10-3 10-4 10-4 10-4 10-5 10-5 |
| 10.2 10.3 10.4 10.5 | Limitations of this assessment Relevant legislation, planning policy, technical guidance Legislative context Planning Policy Context Technical Guidance Data gathering methodology Study area Desk study Survey work Overall baseline Current baseline Future baseline Consultation Scope of the assessment Spatial scope Temporal scope | 10-1 10-1 10-1 10-3 10-4 10-4 10-5 10-5 10-8 10-8 |
| 10.2 10.3 10.4 10.5 10.6 10.7 | Limitations of this assessment Relevant legislation, planning policy, technical guidance Legislative context Planning Policy Context Technical Guidance Data gathering methodology Study area Desk study Survey work Overall baseline Current baseline Future baseline Consultation Scope of the assessment Spatial scope Temporal scope Potential receptors | 10-1 10-1 10-1 10-3 10-4 10-4 10-5 10-5 10-8 10-8 10-9 |
| 10.2 10.3 10.4 10.5 10.6 10.7 | Limitations of this assessment Relevant legislation, planning policy, technical guidance Legislative context Planning Policy Context Technical Guidance Data gathering methodology Study area Desk study Survey work Overall baseline Current baseline Future baseline Consultation Scope of the assessment Spatial scope Temporal scope Potential receptors Likely significant effects | 10-1 10-1 10-3 10-4 10-4 10-5 10-5 10-8 10-8 10-9 10-10 |



| 10.12 | Assessment of effects on the historic environment arising through change to settin Craigengillan Garden and Designed Landscape (GDL00111) and the associated Craigengillan House (LB A 18793), Craigengillan Stable Block (LB A 18794) The King's Cairn, Chambered Cairn and Cairn to West of Water of Deugh (SM 10416) | 10-13 |
|-------|---|--|
| | Beoch Cairn (HER7989) Fardenreoch Cairn (HER 8018) | 10-17 10-19 |
| 10.13 | Consideration of optional additional mitigation or compensation | 10-20 |
| 10.14 | Conclusions of significance evaluation | 10-20 |
| 10.15 | Assessment of cumulative effects Disturbance Change to Setting | 10-23 10-23 10-23 |
| 10.16 | Implementation of environmental measures | 10-23 |
| 11. | Ecology 11-1 | |
| 11.1 | Introduction | 11-1 |
| 11.2 | Limitations of this assessment | 11-1 |
| 11.3 | Relevant Legislation, Planning Policy, Technical Guidance Legislative Context Planning Policy Context Local Policies Technical guidance | 11-2 11-2 11-2 11-4 11-7 |
| 11.4 | Data Gathering Methodology Study Area Desk Study Survey Work | 11-8 11-8 11-9 11-11 |
| 11.5 | Overall Baseline Current Baseline Future Baseline | 11-18 11-18 11-27 |
| 11.6 | Consultation | 11-27 |
| 11.7 | Scope of the Assessment Ecological Features Spatial Scope Temporal Scope | 11-33 11-33 11-35 11-51 |
| 11.8 | Environmental Measures Embedded into the Development Proposals Mitigation by Design | 11-51 11-51 |
| 11.9 | Assessment methodology Introduction Significance Evaluation Methodology | 11-59 11-59 11-60 |
| 11.10 | Assessment of Effects Glen Afton Local Nature Conservation Site Connel Burn/Benty Cowan LNCS Habitats and Plant Communities Blanket bog communities Semi-improved acid grassland Marshy grassland communities Mire communities Acid Flush Watercourses Fish | 11-63 11-63 11-63 11-65 11-70 11-72 11-75 11-77 11-79 11-81 |



| | Fresh Water Pearl Mussel Otters | 11-83 11-83 |
|-------|---|---|
| | Bats Desired Effects | 11-86 |
| | Residual Effects Assessment of Cumulative Effects | 11-89 11-98 |
| | Consideration of Optional Additional Mitigation or Compensation | 11-98 |
| 11.11 | Implementation of Environmental Measures | 11-98 |
| 12. | Ornithology | 12-1 |
| 12.1 | Introduction | 12-1 |
| 12.2 | Limitations of this Assessment | 12-1 |
| 12.3 | Relevant Legislation, Planning Policy, Technical Guidance Legislative Context Planning Policy Context Technical Guidance | 12-2 12-2 12-2 12-9 |
| 12.4 | Data Gathering Methodology Study Area(s) Desk Study Survey Work | 12-10 12-10 12-10 12-12 |
| 12.5 | Overall Baseline Current Baseline Previous Field Surveys Future Baseline | 12-14 12-14 12-16 12-16 |
| 12.6 | Consultation | 12-17 |
| 12.7 | Scope of the Assessment Introduction Ornithological Features Spatial Scope Temporal Scope | 12-21 12-21 12-22 12-24 12-24 |
| 12.8 | Environmental Measures Embedded into the Development Proposals | 12-27 |
| 12.9 | Assessment Methodology Introduction Significance of Effects Evaluation Methodology | 12-28 12-28 12-29 |
| 12.10 | Assessment of Effects: Goshawk Baseline Conditions Future Baseline Predicted Effects and their Significance Summary of Effects on Goshawk | 12-32 12-32 12-34 12-34 12-34 |
| 12.11 | Assessment Summary | 12-35 |
| 12.12 | Assessment of Cumulative Effects | 12-37 |
| 12.13 | Consideration of Optional Additional Mitigation or Compensation | 12-43 |
| 12.14 | Conclusions of Significance Evaluation Implementation of Environmental Measures | 12-43 12-44 |
| 13. | Geology, Hydrology (including flood risk) and Hydrogeology | 13-1 |
| 13.1 | Introduction | 13-1 |
| 13.2 | Limitations of this assessment | 13-1 |
| 13.3 | Relevant legislation, planning policy, technical guidance | 13-1 |



| | Legislative context Planning policy context Technical guidance | 13-1 13-3 13-9 |
|-------|---|--|
| 13.4 | Data gathering methodology Study area Desk study Site surveys | 13-12 13-12 13-12 13-15 |
| 13.5 | Baseline conditions Introduction Topography Rainfall Geology Soils and land use Hydrogeology Hydrology Flood risk CAR licences Private water supplies Conservation sites GWDTEs Future baseline | 13-15 13-15 13-16 13-16 13-17 13-17 13-19 13-20 13-20 13-23 13-23 |
| 13.6 | Consultation | 13-23 |
| 13.7 | Scope of the assessment Spatial scope Temporal scope Potential receptors Potential significant effects | 13-30 13-30 13-31 13-31 13-35 |
| 13.8 | Environmental measures embedded into the development proposals Design evolution Avoidance of flood zones Watercourse buffer zones Avoidance of steep gradients Avoidance of deep peat deposits Conservation site buffer zones Micrositing Construction Site Licence Construction Environmental Management Plan Track design Drainage design Cable trench design Watercourse crossings design Excavations and associated drainage Peat excavations and storage Forest felling Site working practices Summary | 13-40 13-40 13-40 13-41 13-41 13-41 13-41 13-42 13-42 13-44 13-45 13-47 13-49 13-50 |
| 13.9 | Assessment methodology | 13-53 |
| 13.10 | Assessment of Hydrology and Hydrogeology effects Aquifers and associated WFD groundwater bodies (GW01 and GW02) Watercourses and associated WFD surface water bodies (W01 - W012) Ponds (P01 – P02) Conditions supporting conservation sites (C01 – C04) and GWDTEs (C05) Summary | 13-58 13-58 13-59 13-62 13-63 13-65 |



| 13.11 | Assessment of cumulative effects | 13-89 |
|-------|--|----------------|
| 13.12 | Consideration of optional additional measures | 13-91 |
| 13.13 | Conclusions of significance evaluation | 13-91 |
| 13.14 | Implementation of environmental measures | 13-91 |
| 14. | Traffic and Transport | 14-1 |
| 14.1 | Introduction | 14-1 |
| 14.2 | Limitations of this assessment | 14-1 |
| 14.3 | Relevant legislation, planning policy, technical guidance | 14-1 |
| | Legislative context | 14-1 |
| | Planning policy context Technical guidance | 14-1 14-3 |
| 14.4 | Baseline conditions | 14-3 |
| 17.7 | Site context | 14-3 |
| | Access routes | 14-4 |
| | Local Road Network | 14-4 |
| | Study Area Desk Study | 14-5 14-6 |
| | Survey Work | 14-6 |
| | Personal Injury Accident Data | 14-6 |
| | Baseline Traffic Flows | 14-7 |
| 115 | Future Baseline Traffic Flows | 14-8 |
| 14.5 | Consultation | 14-9 |
| 14.6 | Scope of the assessment Spatial scope | 14-12 14-12 |
| | Temporal scope | 14-12 |
| | Potential receptors | 14-12 |
| | Likely significant effects | 14-13 |
| 14.7 | Environmental measures embedded into the development proposals | 14-14 |
| | Construction Traffic Management Plan | 14-15 |
| 14.8 | Assessment methodology | 14-16 |
| | General Approach Receptor sensitivity | 14-16 14-16 |
| | Environmental effects assessed | 14-18 |
| | Magnitude of impact | 14-18 |
| | Significance of effect criteria | 14-20 |
| 440 | Information gaps | 14-21 |
| 14.9 | Assessment of Traffic and Transport Effects Identification and evaluation of key impacts | 14-21 14-21 |
| | Construction Phase | 14-22 |
| | Construction Effects | 14-27 |
| 14.10 | Assessment of effects: quarry route | 14-29 |
| | A76 (New Cumnock) | 14-29 |
| | B743 B705 | 14-30 14-32 |
| | B713 | 14-34 |
| | Afton Road | 14-35 |
| | Summary | 14-36 |



| 15. | Socio-economics, Tourism and Recreation | 15-1 |
|-------|--|--|
| 15.1 | Introduction | 15-1 |
| 15.2 | Relevant Legislation, Policy and Guidance Legislative Context Planning Policy Context Other Policy Documents | 15-1 15-1 15-1 |
| | Other Policy Documents Technical Guidance | 15-5 15-7 |
| 15.3 | Consultation | 15-8 |
| 15.4 | Methodology Assessment Scope Study Area Baseline Data Collection Significance of Effects Approach to Cumulative Impact Assessment (CIA) Assumptions | 15-10 15-10 15-11 15-11 15-15 15-15 |
| 15.5 | Baseline Conditions The Site The Surrounding Area Future Baseline | 15-17 15-18 15-18 15-27 |
| 15.6 | Environmental Measures Embedded into the Development Proposal | 15-27 |
| 15.7 | Assessment of Likely Effects Construction Phase Operational Phase Decommissioning Phase | 15-28 15-28 15-32 15-35 |
| 15.8 | Further Mitigation and Enhancement | 15-35 |
| 15.9 | Residual Effects | 15-35 |
| 15.10 | Monitoring | 15-37 |
| 15.11 | Cumulative Effects | 15-37 |
| 16. | Infrastructure and Other Issues | 16-1 |
| 16.1 | Introduction | 16-1 |
| 16.2 | Limitations of this Assessment | 16-1 |
| 16.3 | Relevant Legislation, Planning Policy, Technical Guidance | 16-1 |
| 16.4 | Data Gathering Methodology | 16-2 |
| 16.5 | Overall Baseline Current baseline | 16-2 16-2 |
| 16.6 | Consultation | 16-2 |
| 16.7 | Scope of the Assessment Potential Receptors Potential Effects on Utility Infrastructure Potential Effects on Telecommunications Potential Effects on People and Health and Safety Major Accidents or Disasters | 16-4 16-5 16-5 16-5 16-5 |
| 16.8 | Environmental Measures Embedded into the Development Proposals Television Public Safety | 16-6 16-6 16-6 |
| 16.9 | Assessment Methodology | 16-7 |



| 16.10 | Assessmer | nt of Effects on Utility Infrastructure | 16-8 |
|-------|-------------------------|---|--------------|
| 16.11 | Assessmer | nt of Effects on Telecommunications | 16-8 |
| 16.12 | Assessmer | nt of Effects on Public Safety | 16-8 |
| 16.13 | | and Human Health | 16-9 |
| | • | | |
| 16.14 | - | dents and Disasters | 16-9 |
| 16.15 | Proposed N | Mitigation Measures | 16-13 |
| 16.16 | Conclusion | s of Significance Evaluation | 16-13 |
| 16.17 | Implementa | ation of Environmental Measures | 16-13 |
| 17. | Summary | of Mitigation and Residual Effects for the Proposed Development | 17-1 |
| 18. | Reference | s | 18-6 |
| | Table 1.1 References | Environmental Topics to be Addressed in the EIA Report and Chapter | |
| | | Design Iterations | 2-4 |
| | Table 3.1 | Key Features of the Proposed Development | 3-2 |
| | | Wind Turbine Locations | 3-3 |
| | Table 3.3 | Indicative Temporary and Permanent Land Take Areas | 3-7 |
| | Table 3.4 | Typical Access Track Construction Techniques | 3-17 |
| | | Watercourse Crossing Locations | 3-18 |
| | Table 3.6 | Summary of Indicative Rock Volumes Required During Construction | 3-22 |
| | Table 3.7 Table 4.1 | Estimated Volume of Concrete | 3-22 4-4 |
| | Table 4.1 | Summary of the EIA Scoping Opinion Summary of Consultation Following Issue of the EIA Scoping Opinion | 4-4 4-17 |
| | Table 4.2 | Significance Evaluation Matrix | 4-22 |
| | Table 4.4 | Cumulative Wind Energy Developments (as of 7th Feb 2023) | 4-24 |
| | Table 6.1 Table 6.2 | Potential electricity generation and CO2 savings (Proposed Developmen Summary of total carbon losses | |
| | Table 6.3 | Payback in years for each Scenario used in the Carbon Calculator | 6-5 |
| | Table 6.4 | Embedded measures improving climate change resilience | 6-6 |
| | Table 7.1 | Relevant planning policy and guidance | 7-3 |
| | Table 7.2 | Example of threshold of potential significant effect at dwellings | 7-5 |
| | | | 7-6 |
| | | Monitoring positions Sources of turbine information | 7-11 |
| | | Other Data Sources | 7-13 7-14 |
| | | Sound power levels used for Enoch Hill 2 turbines (+2dB uncertainty | 7-14 |
| | correction) | | |
| | , | Octave band sound power levels used for Enoch Hill 2 turbines at differe | nt |
| | | ls (+2dB uncertainty correction) | 7-15 |
| | Table 7.9 | Cumulative wind developments | 7-15 |
| | | Broadband sound power levels for cumulative wind farm assessment | 7-16 |
| | | Construction noise assessment | 7-18 |
| | | Daytime noise assessment | 7-19 |
| | | Night-time noise assessment | 7-21 |
| | | Daytime cumulative noise assessment Night-time cumulative noise assessment | 7-23 7-24 |
| | | Summary of environmental measures to be implemented – relating to no | |
| | 27 | Canada y or on the morning in the desired to be implemented – relating to no | 1- |



| Table 8.1 | Summary of Issues Raised during Consultation | 8-5 |
|-------------|---|----------------------------|
| Table 8.2 | Magnitude of Change Criteria | 8-10 |
| Table 8.3 | Significance of Effects Evaluation Matrix | 8-11 |
| Table 8.4 | Summary of Mitigation Measures to be Implemented | 8-16 |
| Table 9.1 | Summary of Issues Raised during Consultation | 9-4 |
| Table 9.2 | Evaluation of Landscape and Visual Effects | 9-7 |
| Table 9.3 | Assessment Viewpoints | 9-7 |
| Table 9.4 | Wind Energy Development Included in the CLVIA | 9-9 |
| Table 9.5 | Summary of Viewpoint Analysis | 9-17 |
| Table 9.6 | Landscape Character within 10km overlapped by the ZTV | 9-23 |
| Table 9.7 | Cumulative Operational Timescales of Existing and Consented Wind Ene | |
| | ent within 10km | 9-29 |
| | Landscape Susceptibility of the Southern Uplands with Forestry: Strandlu- | |
| / Enoch Hil | | 9-40 |
| | Landscape Susceptibility of the Southern Uplands LCT: Benty Cowan Hill 9-47 | |
| | Other Indirect Effects on Surrounding Landscape Character within 10km | 9-51 |
| | Effects on the special qualities of the Afton SLCA | 9-55 |
| | Visual Effects on Settlements within 10km | 9-59 |
| | Visual Effects on Views from Transport Routes | 9-64 |
| | Visual Effects on Views Recreational Routes | 9-69 |
| | Visual Effects on Views from Recreational and Tourist Destinations within | |
| 10km | 9-76 | |
| | Summary of Landscape and Cumulative Landscape Effects | 9-80 |
| | Summary of Visual and Cumulative Visual Effects | 9-83 |
| | Planning Policy Issues Relevant to the Historic Environment | 10-2 |
| | Summary of Historic Environment issues raised during consultation | 10-8 |
| | | 10-11 |
| | | 10-12 |
| | | 10-12 |
| | , , | 10-21 |
| | • | 10-24 |
| | National Planning Policy issues relevant to ecology | 11-2 |
| | Development Plan Policy Issues Considered within the Assessment of | |
| Ecology | 11-4 | 11 10 |
| | | 11-10 |
| Table 11.4 | • | 11-10 11-12 |
| | , , | 11-12 11-19 |
| | | 11-19 11-20 |
| | * 1 | 11-20 11-24 |
| | · | 11-24 11-24 |
| | · | 11-2 4 11-28 |
| Table 11.1 | | 11-20 |
| Developme | 1 | |
| Table 11.1 | | 11_27 |
| Table 11.13 | | 11-51 |
| | • | 11-53 |
| Table 11.1 | | 11-61 |
| Table 11.1 | | 11-66 |
| Table 11.1 | · · · · · · · · · · · · · · · · · · · | 11-67 |
| Table 11.1 | | 11-88 |
| Table 11.1 | · | 11-90 |
| Table 11.19 | | 11-98 |
| | Planning Policy Issues relevant to Ornithology | 12-2 |



| Table 12.2 Development Plan Policy Issues Considered within the Assessment of | |
|--|---------|
| Ornithology12-5 | |
| Table 12.3 Information Relevant to the Desk Study | 12-11 |
| Table 12.4 Sources of Desk Study Data | 12-11 |
| Table 12.5 Summary of Ornithological Surveys | 12-13 |
| Table 12.6 Summary of Ornithological Survey Results March 2016 – August 2018 | 12-15 |
| Table 12.7 Summary of Consultee Comments Regarding Ornithology | 12-18 |
| Table 12.8 Geographic Importance of Ornithological Features | 12-23 |
| Table 12.9 Likely Effects, Zols and Justification for Scoped in Ornithological Feature | s 12- |
| 26 | |
| Table 12.10 Summary of the Embedded Environmental Measures and how these | |
| Influence the Assessment | 12-27 |
| Table 12.11 Guidelines for the Assessment of the Scale of Magnitude | 12-29 |
| Table 12.12 Goshawk: VP Flight Activity Data | 12-33 |
| Table 12.13 Summary of Significance of Adverse Effects | 12-36 |
| Table 12.14 30-year Cumulative Assessment: NHZ Goshawk (deaths per year) | 12-37 |
| Table 12.15 Summary of Environmental Measures Relevant to Ornithology | 12-44 |
| Table 13.1 Planning policy issues relevant to Geology, Hydrology (including flood ris | sk) |
| and Hydrogeology | 13-4 |
| Table 13.2 Sources of desk study information for Geology, Hydrology (including floo | d risk) |
| and Hydrogeology | 13-12 |
| Table 13.3 Average monthly rainfall (based on Drumjohn gauging station data for 20 |)03 – |
| 2022) 13-16 | |
| Table 13.4 River flow gauging station data | 13-19 |
| Table 13.5 CAR licences within the Study Area | 13-21 |
| Table 13.6 PWS within the Study Area | 13-22 |
| Table 13.7 Summary of issues raised during consultation regarding Geology, Hydro | logy |
| (including flood risk) and Hydrogeology | 13-24 |
| Table 13.8 Potential water receptors requiring further impact assessment | 13-32 |
| Table 13.9 CAR abstractions and PWSs source / pathway / receptor model and | |
| associated risk | 13-36 |
| Table 13.10 Potentially significant Hydrology and Hydrogeology effects | 13-37 |
| Table 13.11 Types of watercourse and flow path crossings | 13-44 |
| Table 13.12 Summary of the embedded environmental measures | 13-50 |
| Table 13.13 Summary of value of Hydrology and Hydrogeology receptors | 13-54 |
| | 13-56 |
| Table 13.15 Significance evaluation matrix relating to hydrology and hydrogeology | 13-58 |
| Table 13.16 Identification of areas of potential GWDTEs impacted by Developmer | nt Site |
| infrastructure 13-66 | |
| Table 13.17 Summary of significance of adverse effects | 13-68 |
| Table 13.18 Wind farm developments within 10 km of the Proposed Development | 13-90 |
| Table 13.19 Summary of environmental measures to be implemented relating to | |
| Hydrology and Hydrogeology | 13-92 |
| Table 14.1 Planning Policy relevant to Traffic and Transport | 14-2 |
| Table 14.2 Sources of Information used for the Traffic and Transport Assessment | 14-6 |
| Table 14.3 2017 - 2021 Recorded Accidents | 14-7 |
| Table 14.4 DfT count points: baseline AADF and 12-hour flow (2019) | 14-8 |
| Table 14.5 ATCs: baseline 12-hour flow (2015) | 14-8 |
| Table 14.6 Future Baseline AADT and 12-hour Flow (2025) | 14-9 |
| Table 14.7 Summary of issues raised during consultation regarding Traffic and Tran | sport |
| 14-10 | - |
| Table 14.8 Potential Receptors: Quarry Route | 14-13 |
| Table 14.9 Traffic and Transport receptors scoped in for further assessment | 14-13 |
| Table 14.10 Summary of the embedded environmental measures and how these | |
| influence the Traffic and Transport assessment | 14-14 |



| Table 14.11 | Receptor Sensitivity Rationale | 14-17 |
|----------------------|--|-------|
| Table 14.12 | Magnitude of Impact Summary | 14-18 |
| Table 14.13 | Significance Criteria | 14-20 |
| Table 14.14 | Locations Sensitive to Changes in Traffic Flow | 14-21 |
| Table 14.15 | Predicted Traffic Generation during Construction Phase – Aggregate | |
| Sourced Off-s | ite | 14-22 |
| Table 14.16 C | onstruction Traffic - monthly movements across the 18-month constru | ction |
| period 14 | -25 | |
| Table 14.17 F | orecast Baseline Traffic with Predicted Construction Traffic | 14-28 |
| Table 14.18 S | ummary of potentially significant adverse effects | 14-37 |
| Table 15.1 Sc | coping Responses | 15-8 |
| Table 15.2: Se | ensitivity criteria - Socioeconomics | 15-12 |
| Table 15.3: M | agnitude of Change - Socioeconomics | 15-13 |
| Table 15.4 Se | ensitivity – Tourism and Recreation | 15-14 |
| Table 15.5: M | agnitude of Change – Tourism and Recreation | 15-14 |
| Table 15.6 Signature | gnificance Matrix of Effects | 15-15 |
| | ey economic metrics (ONS) | 15-19 |
| Table 15.8: St | ummary of Receptor Sensitivity | 15-24 |
| | onstruction Additionality Assumptions | 15-29 |
| | Summary of Residual Effects - Construction | 15-35 |
| | Summary of Residual Effects - Operation | 15-36 |
| | Summary of Environmental Measures to be Implemented – Relating to | Socio |
| Economics 15 | | |
| | ımmary of Issues Raised during Consultation Regarding Infrastructure | 16-3 |
| | pulation and Human Health Effects | 16-9 |
| | fects in Relation to Major Accidents and Disasters | 16-9 |
| | Immary of Environmental Measures to be Implemented | 16-14 |
| | immary of Mitigation and Enhancement Measures in addition to those | |
| | ugh Mitigation by Design and Standard Best Practice Construction Me | thods |
| 17 | -2 | |



Volume 2 Figures

```
Figure 1.1 Site Location Plan
```

Figure 1.2 Site Boundary

Figure 2.1 Constraints: Ground, Hydrology and Telecom

Figure 2.2 Site Design Iterations

Figure 3.1A Site Layout

Figure 3.1B Site Layout

Figure 3.2 Typical Wind Turbine Structure

Figure 3.3 Typical Road Construction

Figure 3.4 Typical Crane Hardstanding

Figure 3.5 Indicative Construction Compound

Figure 3.6 Typical Cable Trench Cross Section

Figure 3.7 Typical Control Building and Compound

Figure 3.8 Typical Battery Storage Compound

Figure 3.9 Indicative Construction Programme

Figure 3.10 Typical Culvert Detail

Figure 3.11 Typical Turbine Foundation

Figure 3.12 Upgraded Junction General Arrangement

Figure 7.1 Assessed Noise Sensitive Receptors and Noise Monitoring Locations (2013 survey)

Figure 9.1 Landscape and Visual Study Area (35km)

Figure 9.2 Zone of Theoretical Visibility (ZTV) to Blade Tip with Viewpoints

Figure 9.3 Zone of Theoretical Visibility (ZTV) to Hub Height with Viewpoints

Figure 9.4 Zone of Theoretical Visibility (ZTV) to Blade Tip (allowing for forestry) with Cumulative Wind Farms

Figure 9.5 Zone of Theoretical Visibility (ZTV) to Hub Height (allowing for forestry) with Cumulative Wind Farms

Figure 9.6 Zone of Theoretical Visibility (ZTV) to Blade Tip with Viewpoint Locations (1:100,000 scale)

Figure 9.7 Zone of Theoretical Visibility (ZTV) to Blade Tip with Viewpoint Locations (1:50,000 scale)

Figure 9.8 Cumulative Base Plan (35km)

Figure 9.9 Cumulative ZTV: Enoch Hill 2 with Existing and Consented Wind Farms within 10km

Figure 9.10 Cumulative ZTV: Enoch Hill 2 with Windy Standard + Ext + Phase III, Afton and Enoch Hill, Pencloe, Windy Rig, South Kyle and Benbrack

Figure 9.11 Cumulative ZTV: Enoch Hill 2 with Application Wind Farms within 10km

Figure 9.12 Cumulative ZTV: Enoch Hill 2 with Existing and Consented Wind Farms between 10 - 35km

Figure 9.13 Cumulative ZTV: Enoch Hill 2 with Application Wind Farms between 10-35km

Figure 9.14 Landscape Character

Figure 9.15 Topography

Figure 9.16 Landscape Designations

Figure 9.17 Long Distance Recreational Routes and Transport Routes

Figure 9.18 Detailed Core Paths and Other Recreational Routes

Figure 9.19 Settlements

Figure 9.20 B741 – Sequential Route Assessment

Figure 9.21a B741 – Sequential Route Assessment

Figure 9.21b B741 – Sequential Route Assessment

Figure 9.21c B741 – Sequential Route Assessment

Figure 9.21d B741 – Sequential Route Assessment

Figure 9.22a Viewpoint 1: Core Path 667 Water of Deugh



Figure 9.22b Viewpoint 1: Core Path 667 Water of Deugh Figure 9.22c Viewpoint 1: Core Path 667 Water of Deugh Figure 9.22d Viewpoint 1: Core Path 667 Water of Deugh Figure 9.22e Viewpoint 1: Core Path 667 Water of Deugh Figure 9.23a Viewpoint 2: B741 Bankglen Figure 9.23b Viewpoint 2: B741 Bankglen Figure 9.23c Viewpoint 2: B741 Bankglen Figure 9.23d Viewpoint 2: B741 Bankglen Figure 9.23e Viewpoint 2: B741 Bankglen Figure 9.24a Viewpoint 3: Blackcraig Hill Figure 9.24b Viewpoint 3: Blackcraig Hill Figure 9.24c Viewpoint 3: Blackcraig Hill Figure 9.24d Viewpoint 3: Blackcraig Hill Figure 9.24e Viewpoint 3: Blackcraig Hill Figure 9.25a Viewpoint 4: New Cumnock Cemetery Figure 9.25b Viewpoint 4: New Cumnock Cemetery Figure 9.25c Viewpoint 4: New Cumnock Cemetery Figure 9.25d Viewpoint 4: New Cumnock Cemetery Figure 9.25e Viewpoint 4: New Cumnock Cemetery Figure 9.26a Viewpoint 5: Cairnsmore of Carsphairn Figure 9.26b Viewpoint 5: Cairnsmore of Carsphairn Figure 9.26c Viewpoint 5: Cairnsmore of Carsphairn Figure 9.26d Viewpoint 5: Cairnsmore of Carsphairn Figure 9.26e Viewpoint 5: Cairnsmore of Carsphairn Figure 9.26f Viewpoint 5: Cairnsmore of Carsphairn Figure 9.27a Viewpoint 6: Highpoint North of Site (near Auchincross) Figure 9.27b Viewpoint 6: Highpoint North of Site (near Auchincross) Figure 9.27c Viewpoint 6: Highpoint North of Site (near Auchincross) Figure 9.27d Viewpoint 6: Highpoint North of Site (near Auchincross) Figure 9.27e Viewpoint 6: Highpoint North of Site (near Auchincross) Figure 9.28a Viewpoint 7: Pathead, New Cumnock Figure 9.28b Viewpoint 7: Pathead, New Cumnock Figure 9.28c Viewpoint 7: Pathead, New Cumnock Figure 9.28d Viewpoint 7: Pathead, New Cumnock Figure 9.28e Viewpoint 7: Pathead, New Cumnock Figure 9.29a Viewpoint 8: Lochside Hotel Figure 9.29b Viewpoint 8: Lochside Hotel Figure 9.29c Viewpoint 8: Lochside Hotel Figure 9.29d Viewpoint 8: Lochside Hotel Figure 9.29e Viewpoint 8: Lochside Hotel Figure 9.30a Viewpoint 9: Little Garclaugh, Upper Nith Valley Figure 9.30b Viewpoint 9: Little Garclaugh, Upper Nith Valley Figure 9.30c Viewpoint 9: Little Garclaugh, Upper Nith Valley Figure 9.30d Viewpoint 9: Little Garclaugh, Upper Nith Valley Figure 9.30e Viewpoint 9: Little Garclaugh, Upper Nith Valley Figure 9.31a Viewpoint 10: Corsencon Hill Figure 9.31b Viewpoint 10: Corsencon Hill Figure 9.31c Viewpoint 10: Corsencon Hill Figure 9.32a Viewpoint 11: Cumnock (Drumbrochan Road) Figure 9.32b Viewpoint 11: Cumnock (Drumbrochan Road) Figure 9.32c Viewpoint 11: Cumnock (Drumbrochan Road) Figure 9.33a Viewpoint 12: A76 North of Auchinleck Figure 9.33b Viewpoint 12: A76 North of Auchinleck Figure 9.33c Viewpoint 12: A76 North of Auchinleck Figure 9.33d Viewpoint 12: A76 North of Auchinleck



Figure 9.33e Viewpoint 12: A76 North of Auchinleck

Figure 9.34a Viewpoint 13: A76 Mauchline

Figure 9.34b Viewpoint 13: A76 Mauchline

Figure 9.34c Viewpoint 13: A76 Mauchline

Figure 9.34d Viewpoint 13: A76 Mauchline

Figure 9.34e Viewpoint 13: A76 Mauchline

Figure 9.34e Viewpoint 13: A76 Mauchline

Figure 10.1 Extended Study Area, Showing Designated Heritage Assets and Non-designated Heritage Features of Probable National Importance (Historic Environment

Scotland 2020, WoSAS 2023)

Figure 10.2 Non-designated Heritage Records (WoSAS 2023) and DBA Points of Interest

Figure 10.3: North West Part of Craigengillan Garden and Designed Landscape (GDL00111)

Figure 10.4: Beoch Cairn (HER7989)

Figure 10.5: Fardenreoch Cairn (HER8018)

Figure 12.1 Desk Study Area for Statutory and Non-statutory Ornithological Sites

Figure 12.2 Desk Study Area for Legally Protected and Notable Ornithological Features

Figure 12.3 Field Survey Areas

Figure 13.1 Study Area

Figure 13.2 Bedrock Geology

Figure 13.3 Superficial Deposits

Figure 13.4 Baseline Water Features

Figure 13.5 Potential Receptors

Figure 13.6 Constraints of Study Area

Figure 13.7 Constraints of Development Site

Figure 14.1 Site Location

Figure 14.2 Proposed Turbine Delivery Route from Glasgow

Figure 14.3 Proposed Quarry Routes and Locations

Figure 14.4 Accident Assessment

Figure 14.5 Traffic Count Locations

Figure 16.1 Telecoms Constraints



Volume 3 Appendices

Appendix 1A Competent Experts

Appendix 1B Glossary and Abbreviations

Appendix 3A and associated Figures

Appendix 4A Scoping Opinion

Appendix 4B Scoping Report

Appendix 6A Peat Management Plan

Appendix 6B Carbon Calculator - Justification for Values Used

Appendix 9A Methodology and Glossary

Appendix 9B Viewpoint Analysis

Appendix 9C Windy Standard Wireline

Appendix 10A Designated Heritage Assets

Appendix 10B Non-Designated Heritage Assets

Appendix 11A Ecology Desk Study

Appendix 11B NVC Report

Appendix 11C Protected Species Survey

Appendix 11D Baseline Ecology Report for Proposed Access Route

Appendix 11E Bat Survey Report

Appendix 11F Aquatic Surveys

Appendix 11G Summary of NVC and Phase 1 Habitat types

Appendix 11H Scoping of the Assessment Summary

Appendix 12A Baseline Report - 2016 Breeding Season

Appendix 12B Baseline Report - 2016-2017 Non Breeding Season

Appendix 12C Baseline Report - 2017 Breeding Season

Appendix 12D Baseline Report - 2017-18 Non Breeding Season

Appendix 12E Baseline Report - 2018 Breeding Season

Appendix 12F Confidential Baseline Report 2017-18 Non-Breeding Season

Appendix 12G Confidential Appendix Baseline Report 2018 Breeding Season

Appendix 12H Scoping of the Assessment Summary

Appendix 12I Collision Risk Modelling Report

Appendix 13A Assessment Table

Appendix 13B Peat Landslide Risk Assessment

Appendix 16A LinesearchBeforeUDig Enquiry Results