

4. Approach to Environmental Impact Assessment

4.1 Introduction

- 4.1.1 This chapter sets out the approach taken to produce the Environmental Impact Assessment (EIA) for the Proposed Development.
- 4.1.2 The EIA process aims to assist Scottish Ministers in their determination of the application by identifying where significant environmental effects are predicted. This assessment has been completed in conjunction with consultation with statutory consultees, interested parties and the general public.
- 4.1.3 The structure of this report follows the requirements of the Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 (the ‘EIA Regulations’) and relevant good practice guidance. As mentioned in Revised Chapter 1, an application for Section 36 consent was submitted to the Scottish Ministers for the Proposed Development in May 2025. However, the Applicant has made some changes to the development (described in **Chapters 1 and 2** of this report) which have resulted in the need to revise the EIA. All chapters, figures and most technical appendices have been revised to take account of the proposed changes to the design of the Proposed Development, as has the Non Technical Summary.
- 4.1.4 This chapter is structured as follows:
- overview of the relevant legislation, policy and guidance;
 - an outline of the EIA process utilised;
 - the scope of the assessment completed;
 - details of the assessment of potential effects;
 - the consultation undertaken; and
 - the assumptions, likely limitations and uncertainty.

4.2 Legislation, Policy and Guidelines

- 4.2.1 As with the May 2025 EIA Report, a number of legislative and best practice documents have informed the EIA revision process.
- 4.2.2 The EIA Regulations set out which developments requiring consent under Section 36 of the Electricity Act, 1989, are required to be assessed with regards to their impacts on the environment.
- 4.2.3 The Proposed Development is considered to fall within Schedule 2 of the EIA Regulations, by nature of it being classed as a generating station which requires consent under Section 36 of the Electricity Act. The criteria for considering whether a Schedule 2 development requires the preparation of an EIA is set out in Schedule 3 of the EIA Regulations. The Applicant has voluntarily accepted that an EIA is required to be undertaken. The information provided within this EIA Report has been prepared in accordance with the Directive and the EIA Regulations.



4.2.4 Paragraph 3(2)(a) of Schedule 9 of the Electricity Act requires the Scottish Ministers when considering applications under Section 36 to have regard to the matters mentioned in 3(1)(a) (i.e. the desirability of preserving natural beauty, of conserving flora, fauna and geological or physiographical features of special interest and of protecting sites, buildings and objects of architectural, historic or archaeological interest). The information required to enable the Scottish Ministers to have regard to such matters is included in the EIA Report.

4.2.5 In addition to the above, the regulations and best practice of core relevance to the EIA revision process and which have been taken into account in undertaking this assessment are as follows:

- National Planning Framework 4 (NPF4) (Scottish Government, 2023);
- Planning Advice Note 1/2013: Environmental Impact Assessment (Scottish Government, 2013);
- Planning Circular 1/2017: Environmental Impact Assessment Regulations (Scottish Government, 2017);
- IEMA Environmental Impact Assessment Guide to: Delivering Quality Development (IEMA, 2020);
- Good Practice During Wind Farm Construction (Scottish Government et al., 2024);
- Assessing the Cumulative Impact of Onshore Wind Energy Developments (NatureScot, 2021);
- Siting and Designing Wind Farms in the Landscape Version 3a (SNH, 2017); and
- Environmental Impact Assessment Handbook Version 5 (SNH, 2018).

4.2.6 Additional topic-specific legislation, policy and guidance documents are noted within the technical assessment chapters of this Additional Information: Revised EIA Report (**Revised Chapters 5 to 14**).

4.3 Legal Framework for this Additional Information: Revised EIA Report

Overall Additional Information: Revised EIA Process

4.3.1 For the EIA process to be as effective as possible it is approached as an iterative process throughout the design stage, rather than a single assessment performed once the design is finalised. When used as an iterative process, the findings of the EIA can be incorporated within the design of the proposal to provide an optimum design with regard to the Applicant's requirements and the environment.

4.3.2 The findings of the EIA are presented in this Additional Information: Revised EIA Report, which has been prepared in accordance with the EIA Regulations.

4.3.3 The broad approach which has been followed in undertaking the EIA is presented in this chapter and an overview of the methodology adopted for each technical study is provided within the respective technical chapters (**Revised Chapters 5 to 14**).



Screening and Scoping

- 4.3.4 Screening is the process by which it is determined whether or not an EIA should be conducted for a proposed development. As set out above, the Proposed Development falls within Schedule 2 of the EIA Regulations. Schedule 3 of the EIA Regulations sets out criteria that should be considered in determining whether a Schedule 2 development is likely to have significant environmental effects and hence require a formal EIA.
- 4.3.5 The Applicant recognised that the Proposed Development would have the potential to have significant environmental effects, and therefore, an EIA would be required. Therefore, rather than undertaking a formal EIA screening process, the Applicant voluntarily elected to undertake an EIA.
- 4.3.6 The EIA scoping process is undertaken to identify the potentially significant environmental issues which should be considered when assessing the potential effects of the Proposed Development, and an EIA Scoping Opinion may be obtained from the Energy Consents Unit (ECU).
- 4.3.7 An EIA Scoping Opinion was requested from the ECU through the submission of an EIA Scoping Report. The EIA Scoping Report contained details of the Site baseline and the Proposed Development. It also proposed which environmental impacts would be assessed in the EIA, and the assessment methodologies that would be used.
- 4.3.8 The ECU consulted with a variety of statutory and non-statutory consultees before providing an EIA Scoping Opinion in June 2024. This information has informed the Proposed Development's EIA. The technical topics included in this EIA Report are based on the ECU Scoping Opinion received as included in **Technical Appendix 4.1**.
- 4.3.9 Direct consultation has also been undertaken with consultees, to confirm and agree the approach and scope of technical surveys and assessments on a topic-by-topic basis. Details of relevant consultations are included in each technical chapter as appropriate.

Section 36 Application

- 4.3.10 As mentioned in **Revised Chapter 1**, a Section 36 application for consent to build and operate the Proposed Development was made to the Scottish Ministers in May 2025. However, since then, some minor changes have been made to the layout of the Proposed Development to minimise forestry felling requirements. The revised EIA Report is referred to throughout this document as the "Additional Information: Revised EIA Report". This document is being submitted to the Scottish Ministers as Additional Information, since it comprises a revision of the Breezy Hill Energy Project Environmental Impact Assessment Report to take account of the changes to the Proposed Development.



4.4 The EIA Process

4.4.1 EIA is the systematic process of compiling, assessing, presenting and mitigating all the significant environmental effects of a proposed development. The assessment is designed to inform the decision-making process by way of setting out the likely environmental profile of a project. Identification of potentially significant adverse environmental effects then leads to the design and incorporation of appropriate mitigation measures into both the design of the scheme and the way in which it is constructed and operated.

4.4.2 The main steps in the EIA assessment process for the Proposed Development have been:

- Baseline surveys (where appropriate) to provide information on the existing environmental character of the Proposed Development Site and the surrounding area;
- Consideration of the possible interactions between the Proposed Development and the existing and predicted future site conditions. These interactions or effects are assessed using criteria based on accepted guidance and best practice;
- Using the outline design parameters for the Proposed Development, prediction of the environmental effects, including direct, indirect, cumulative, short, medium and long-term, permanent and temporary, beneficial and adverse effects;
- Identification of mitigation measures designed to avoid, reduce or offset adverse effects, and introduce and enhance beneficial effects;
- Assessment of the significance of any residual effects after mitigation, in relation to the sensitivity of the feature impacted upon and the magnitude of the impact predicted, in line with the methodology identified below;
- Identification of any uncertainties inherent in the methods used, the predictions made, and the conclusions drawn during the course of the assessment process; and
- Reporting of the results of the EIA in this EIA Report.

4.4.3 The EIA methodology followed in this Additional Information: Revised EIA Report is the same as that which was followed for the original Section 36 EIA Report which was submitted in May 2025.

4.5 Assessment of Effects

4.5.1 Throughout the assessment, a distinction has been made between the term 'impact' and 'effect'. The EIA Regulations refer to the requirement to report the significance of 'effects'. An impact has been defined as the physical change of the characteristics of the receiving environment as a result of the Proposed Development (e.g. shadow flicker from wind turbines), whereas an effect refers to the significance of this impact (e.g. a significant residual shadow flicker effect on residential properties). These terms have been adopted throughout this Additional Information: Revised EIA Report to present a consistent approach to the assessment and evaluation of effects and their significance.



- 4.5.2 In some instances, particularly in relation to the Landscape and Visual Impact Assessment (LVIA), the term ‘change’ is used interchangeably with ‘impact’. The LVIA classifies the level of physical and perceptual change to the receiving environment as the ‘magnitude of change’ in line with the recommendations of the Guidelines for Landscape and Visual Impact Assessment third edition (GLVIA3) (Landscape Institute, 2013). This terminology should be considered interchangeable with ‘magnitude of impact’ and should be regarded as having the same meaning.
- 4.5.3 Within this Additional Information: Revised EIA Report, the assessment of effects for each environmental topic takes into account the environmental impacts of the construction, operational and decommissioning phases of the Proposed Development, and how the environmental baseline is expected to evolve in the absence of the Proposed Development (the ‘do-nothing’ scenario).
- 4.5.4 In order to determine whether or not the potential effects of the Proposed Development are likely to be ‘significant’ a number of criteria are used. These significance criteria vary between topics but generally include:
- international, national and local designations or standards;
 - relationship with planning policy;
 - sensitivity of the receiving environment;
 - magnitude of impact;
 - reversibility and duration of the effect; and
 - inter-relationship between effects.
- 4.5.5 Effects that are considered to be significant are identified within the Additional Information: Revised EIA Report. The significance of the resultant effect is informed by professional judgement as to the importance or sensitivity of the affected receptor(s) and the nature and magnitude of the predicted changes. For example, a high magnitude of impact on a low sensitivity receptor will have an effect of lesser significance than the same impact on a high sensitivity receptor. **Table 4.1** below is used as a guide to demonstrate the relationship between the sensitivity of the identified receptor and the anticipated magnitude of an impact. Professional judgement is, however, equally important in verifying the suitability of this guiding ‘formula’ to the assessment of the significance of each individual effect. Therefore, the table below may change between technical assessments, as is outlined in the respective technical chapters of the Additional Information: Revised EIA Report (**Revised Chapters 5 to 14**).



Table 4.1: Guide to the Inter-Relationship between Magnitude of Impact and Sensitivity of Receptor

		Sensitivity of Receptor/Receiving Environment to Change			
		High	Medium	Low	Negligible
Magnitude of Impact	High	Major	Moderate to Major	Minor to Major	Negligible
	Medium	Moderate to Major	Moderate	Minor	Negligible
	Low	Minor to Moderate	Minor	Negligible to Minor	Negligible
	Negligible	Negligible	Negligible	Negligible	Negligible

- 4.5.6 The following terms are used in the Additional Information: Revised EIA Report, unless otherwise stated, to determine the level of effects predicted to occur:
- **major** beneficial or adverse effect – where the Proposed Development would result in a major improvement (or deterioration) to the existing environment;
 - **moderate** beneficial or adverse effect – where the Proposed Development would result in a moderate improvement (or deterioration) to the existing environment;
 - **minor** beneficial or adverse effect – where the Proposed Development would result in a minor improvement (or deterioration) to the existing environment; and
 - **negligible** – where the Proposed Development would result in no discernible improvement (or deterioration) to the existing environment.
- 4.5.7 Using professional judgement and with reference to relevant guidance, the majority of the assessments within this Additional Information: Revised EIA Report consider effects of moderate or greater significance to be *significant*, with those of minor significance or less to be *not significant*. If there are deviations from this these will be clearly stated within the individual technical chapters.
- 4.5.8 Summary tables are provided at the end of each technical chapter of the Additional Information: Revised EIA Report that outline:
- the predicted effects associated with an environmental issue;
 - the appropriate mitigation measures required to address these effects; and
 - the subsequent overall residual effects.
- 4.5.9 Distinction has also been made between direct and indirect, short and long term, permanent and temporary effects.



4.6 Cumulative Effects

- 4.6.1 Part 5 of Schedule 4 of The EIA Regulations sets out the matters that require to be incorporated within EIA Reports. The EIA Regulations state that EIA Reports should include an assessment of *“the cumulation of effects with other existing and/or approved development, taking into account any existing environmental problems relating to areas of particular environmental importance likely to be affected or the use of natural resources”*.
- 4.6.2 Cumulative effects are those which result from incremental changes caused by past, present or reasonably foreseeable future actions resulting from the introduction of the Proposed Development. These cumulative effects cover the combined effect of individual impacts from the Proposed Development and combined impacts of several developments, as noted within the guidance document “Assessing the Cumulative Impact of Onshore Wind Energy Developments” (NatureScot, 2021). Developments considered in addition to the Proposed Development are existing and other proposals, covering all major developments, including other wind farms.
- 4.6.3 Within this Additional Information: Revised EIA Report, cumulative effects for each technical discipline are covered as required on a chapter-by-chapter basis with a summary of overall effects included in the residual effects in **Revised Chapter 15**.
- 4.6.4 The updated list of key cumulative wind farm developments considered in this Revised EIA Report are listed in **Revised Chapter 2: Proposed Development** and shown on **Figure 5.23**.

4.7 Scope of the EIA

Technical Scope

- 4.7.1 The technical scope of the EIA covers all the impacts mentioned in **Table 4.2** below, with the following exceptions relating to technical topics where these have been scoped out of the EIA.

Spatial Scope

- 4.7.2 The spatial scope of the EIA, i.e., the geographical coverage of the assessment undertaken, has taken account of a number of factors, in particular:
- the extent of the Proposed Development, as defined by the planning application boundary (refer to **Figure 1.2**);
 - the nature of the baseline environment, sensitive receptors and the likely impacts that could arise; and
 - the distance over which predicted effects are likely to remain significant and in particular, the existence of pathways which could result in the transfer of effects to a wider geographical area than the extent of the proposed physical infrastructure.



Temporal Scope

- 4.7.3 For the purposes of the EIA, if approved, construction is expected to last for between 18 and 24 months. The proposed operational life for the Proposed Development is 40 years, after which time it will be decommissioned.
- 4.7.4 For construction effects, the assessment takes into account the time of day that works are likely to be undertaken, for example if any night-time working is required to minimise disruption to road users. Proposed works are to be undertaken between 08:00 to 19:00 Monday to Friday and 08:00 to 13:00 on Saturdays, unless agreed otherwise or in the case of emergency works.

4.8 Additional Information: Revised EIA Report

- 4.8.1 Schedule 4 of the EIA Regulations specifies the “information for inclusion in Environmental Impact Assessment Reports”.
- 4.8.2 **Table 4.2** at the end of this chapter details where the information has been provided within this Additional Information: Revised EIA Report.

4.9 Consultation

Regulatory Consultation

- 4.9.1 Consultation is a key component of the EIA process. In order to inform the EIA, there has been ongoing consultation with statutory consultees, engagement through correspondence and meetings, as required.
- 4.9.2 Consultation with organisations who were contacted either directly by the Applicant or by the ECU through the formal EIA application process, is described as appropriate in each technical chapter of this Additional Information: Revised EIA Report.
- 4.9.3 Both statutory and non-statutory consultees were consulted by the Scottish Ministers on the May 2025 Application. The consultees who were consulted are listed below. Those from whom a response was received are indicated with an asterisk.
- East Ayrshire Council (EAC)
 - SEPA*
 - NatureScot*
 - Historic Environment Scotland (HES)*
 - Transport Scotland*
 - Marine Scotland
 - Scottish Forestry*
 - British Horse Society Scotland (BHSS)*
 - BT*
 - Civil Aviation Authority



- Crown Estate Scotland
- Ministry of Defence (MOD)*
- Fisheries Management Scotland
- Ayrshire Rivers Trust*
- River Doon District Salmon Fishery Board (DSFB)
- Nith DSFB
- Nith Catchment Fishery Trust
- Glasgow Airport*
- Glasgow Prestwick Airport*
- John Muir Trust
- Joint Radio Company (JRC)*
- Mountaineering Scotland
- NATS Safeguarding
- RSPB Scotland
- Scottish Rights of Way and Access Society
- Scottish Wildlife Trust
- Visit Scotland
- Woodland Trust
- 9 Community Council Group (9CCG)
- Scottish Water*
- Coal Authority*
- Health and Safety Executive
- Scottish Power Energy Networks (SPEN)
- Atkins*
- Telefonica*
- Mobile Broadband Network Limited*
- Ofcom/Vodafone*

4.9.4 Where comments or questions were received from the consultees in response to the May 2025 Application, these comments have been addressed in the applicable technical chapter.

Public Consultation

4.9.5 A standalone Pre-Application Consultation (PAC) Report was submitted with the May 2025 Application which gives details of the correspondence, online and in-person public consultation and other discussions which have taken place with the communities closest to the Proposed Development Site. The PAC Report also details findings of that work and illustrates the ways in which community engagement has helped identify potential issues arising from the emerging



development proposal, and where appropriate, shape the final proposal which is now the subject of application for Section 36 consent. While no further consultation has been undertaken to inform the public of the proposed changes to the Proposed Development (i.e. the relocation of T2 and T13), the Applicant will place public notices in the Edinburgh Gazette and the local publication, Cumnock Chronicle to notify the public of the submission of Additional Information to the Scottish Ministers.

- 4.9.6 The Applicant is grateful to the local community for their input into the pre-application community engagement process and for their participation in the discussions.

4.10 Consideration of Alternatives

- 4.10.1 Paragraph 5(2)(d) and Schedule 4 of the EIA Regulations require the consideration of alternatives and an indication of the reasons for selecting the site, except where limited by constraints of commercial confidentiality.
- 4.10.2 The Applicant considered a number of alternative layouts and different scales of wind turbine for the Proposed Development, to arrive at the design for which consent is sought. A full description of the iterative design process is provided in **Revised Chapter 3** of this Additional Information: Revised EIA Report.

4.11 Assumptions, Limitations & Uncertainty

- 4.11.1 The EIA process is designed to enable informed decision-making based on the best available information about the environmental implications of a proposed development. However, there will always be some uncertainty inherent in the scale and nature of the predicted environmental effects as a result of the level of detailed information available at the time of assessment, data reliability or uncertainty, the potential for minor alterations to the Proposed Development following completion of the Additional Information: Revised EIA Report and/or the limitations of the prediction processes.
- 4.11.2 A number of assumptions were made during the EIA process and are detailed below:
- The principal land uses adjacent to the Site remain unchanged during the course of the Proposed Development's lifetime;
 - Current applications for wind energy projects are included within the assessment of cumulative effects for each technical aspect (see **Revised Chapter 2** for an updated list of cumulative developments considered in this Additional Information: Revised EIA Report);
 - Information provided by third parties (including publicly available information and databases) is correct at time of submission.
- 4.11.3 Specific assumptions may also be made with regards to the individual technical disciplines, which are detailed within each technical chapter.
- 4.11.4 The main limitation to the assessment has been that while the baseline conditions have been assumed to be accurate at the time of surveying, due to the dynamic



nature of the environment, these conditions may change during site preparation, construction and operation.

- 4.11.5 There is also the potential for a degree of necessary flexibility as certain aspects of the Proposed Development may be subject to change until a detailed design has been finalised. The maximum design envelope has been considered to ensure a robust assessment and any design flexibility will not exceed these. This flexibility can come in the forms of:
- Wind turbine selection;
 - Foundation and infrastructure design; and
 - Micrositing of the wind turbines and associated infrastructure which may change due to investigation findings or implementation of mitigation measures.
- 4.11.6 Any limitations to this revised EIA are summarised in each technical chapter, where relevant, together with the means proposed to mitigate these.
- 4.11.7 Information on the construction of the Proposed Development has been developed by the project team based on professional judgement and outline design works, on the most likely methods of construction, plant, access routes and working areas etc. for the purposes of the EIA. The final choice of optimum construction methods will rest with the Contractor and may differ from those used in this assessment, with any such uncertainty stated in the Additional Information: Revised EIA Report. Any changes to these methods will remain within the maximum design envelope.

4.12 Embedded Mitigation

- 4.12.1 Embedded Mitigation for the Proposed Development includes mitigation by design (Primary Mitigation), as well as mitigation that will be implemented during the lifetime of the Proposed Development (Secondary Mitigation) that is to be taken 'as a given'. An example is the implementation of a fit-for-purpose Construction Environmental Management Plan, a Water Monitoring Plan, a Species Protection Plan, Preconstruction surveys, etc.

4.13 Environmental Management

- 4.13.1 Implementation of the embedded mitigation as well as lifecycle-stage-specific environmental mitigation measures and compliance with environmental legislation and guidance will require clear roles and responsibilities for the implementation of such measures.
- 4.13.2 The roles and responsibilities for the implementation of effective environmental management will be undertaken as follows throughout the lifecycle of the Proposed Development:
- An **Environmental Manager** who will support the contractor with the implementation of environmental mitigation and enhancement commitments and regulatory requirements;
 - An **Ecological Clerk of Works (ECOW)** who will be responsible for monitoring, advising and implementing all measures to protect ecological



interests and comply with ecological mitigation and enhancement commitments and regulatory requirements;

- An **Archaeological Clerk of Works (ACoW)** who will be responsible for monitoring, advising and implementing all measures to protect archaeological and cultural heritage interests and comply with heritage mitigation and enhancement commitments and regulatory requirements; and
- An **Environmental Clerk of Works (EnvCoW)** who will be an independent suitably qualified and experienced person who will impartially assess compliance against these plans and mitigation (e.g. mitigation and enhancement commitments in the EIAR, CEMP, OBEMP, etc., as well as environmental conditions of consent and environmental regulatory requirements) and communicate compliance observations to provide a feedback mechanism for the project.

4.13.3 These roles and responsibilities were defined early in the EIA process, with the result that implementation of the committed mitigation and other control measures have been clearly identified in each of the technical chapters (**Revised Chapters 5 to 14**) and summarised in the Schedule of Commitments in **Revised Chapter 15**.



Table 4.2: Requirements of Schedule 4 of the EIA Regulations and where they have been addressed in this Additional Information: Revised EIA Report

Required Information (Schedule 4 of the EIA Regulations)	Relevant Reference within this Additional Information Revised EIA Report
<p>1. A description of the development, including in particular:</p> <ul style="list-style-type: none"> a description of the location of the development; a description of the physical characteristics of the whole development, including, where relevant, requisite demolition works, and the land-use requirements during the construction and operational phases; a description of the main characteristics of the operational phase of the development (in particular any production process), for instance, energy demand and energy used, nature and quantity of the materials and natural resources (including water, land, soil and biodiversity) used; an estimate, by type and quantity, of expected residues and emissions (such as water, air, soil and subsoil pollution, noise, vibration, light, heat, radiation and quantities and types of waste) produced during the construction and operation phases. 	<p>The Proposed Development is described in Revised Chapter 2, including information on anticipated construction methods and the operation of the Proposed Development.</p> <p>The land use requirements during construction and operational phases are also described in Revised Chapter 2.</p> <p>Expected residues and emissions are addressed, where relevant, in the appropriate technical chapters of this Additional Information: Revised EIA Report.</p>
<p>2. A description of the reasonable alternatives (for example in terms of project design, technology, location, size and scale) studied by the developer, which are relevant to the proposed development and its specific characteristics, and an indication of the main reasons for selecting the chosen option, including a comparison of the environmental effects.</p>	<p>Revised Chapter 3 of the Additional Information: Revised EIA Report describes the design iteration process and details how the Proposed Development was chosen, and the environmental constraints taken into consideration in determining the final layout which is the subject of the Application.</p>
<p>3. A description of the relevant aspects of the current state of the environment (the 'baseline scenario') and an outline of the likely evolution thereof without implementation of the project as far as natural changes from the baseline scenario can be assessed with reasonable effort on the basis of the availability of relevant information and scientific knowledge.</p>	<p>A description of the existing environment and how it would be expected to evolve in the absence of the Proposed Development is provided within each technical chapter.</p>
<p>4. A description of the factors specified in regulation 4(3) likely to be significantly affected by the development: population, human health,</p>	<p>The receptors potentially affected by the Proposed Development are detailed within each of the technical chapters.</p>



Required Information (Schedule 4 of the EIA Regulations)	Relevant Reference within this Additional Information Revised EIA Report
<p>biodiversity (for example fauna and flora), land (for example land take), soil (for example organic matter, erosion, compaction, sealing), water (for example hydro-morphological changes, quantity and quality), air, climate (for example greenhouse gas emissions, impacts relevant to adaptation), material assets, cultural heritage, including architectural and archaeological aspects, and landscape.</p>	<p>Effects of population and human health are assessed in relation to visual impacts (Revised Chapter 5), traffic and transport (Revised Chapter 11), acoustic assessment (Revised Chapter 12) and shadow flicker (Revised Chapter 14).</p> <p>Biodiversity is covered in the ecology and ornithology chapters (Revised Chapter 6 and 7).</p> <p>Impacts on soils and water are covered in the geology, hydrology, hydrogeology and peat chapter (Revised Chapter 8).</p> <p>Impacts on air quality have been scoped out.</p> <p>Material assets are addressed through the assessment of cultural heritage effects and other chapters as appropriate.</p> <p>Landscape and visual effects are discussed in Revised Chapter 5.</p>
<p>5. A description of the likely significant effects of the development on the environment resulting from, inter alia:</p> <p>the construction and existence of the development, including, where relevant, demolition works;</p> <p>the use of natural resources, in particular land, soil, water and biodiversity, considering as far as possible the sustainable availability of these resources;</p> <p>the emission of pollutants, noise, vibration, light, heat and radiation, the creation of nuisances, and the disposal and recovery of waste;</p> <p>the risks to human health, cultural heritage or the environment (for example due to accidents or disasters);</p> <p>the cumulation of effects with other existing and/or approved development, taking into account any existing environmental problems relating to areas of particular environmental importance likely to be affected or the use of natural resources; the impact of the development on climate (for example the nature and magnitude of greenhouse gas emissions) and the vulnerability of the development to climate change;</p>	<p>The predicted significant effects of the Proposed Development are reported after relevant mitigation measures have been applied to an identified effect, in each of the technical chapters of the Additional Information: Revised EIA Report. Effects have been predicted in relation to both the construction / decommissioning and operational phases of the Proposed Development, including the nature of these effects and their duration.</p> <p>The overall approach and methods used in the assessment of environmental impacts are discussed within Revised Chapter 4 (i.e. this chapter). Prediction methods are discussed in detail within each relevant technical chapter of the Additional Information: Revised EIA Report.</p>



Required Information (Schedule 4 of the EIA Regulations)	Relevant Reference within this Additional Information Revised EIA Report
<p>the technologies and the substances used.</p> <p>The description of the likely significant effects on the factors specified in regulation 4(3) should cover the direct effects and any indirect, secondary, cumulative, transboundary, short-term, medium-term and long-term, permanent and temporary, beneficial and adverse effects of the development. This description should take into account the environmental protection objectives established at Union or Member State level which are relevant to the development including in particular those established under Council Directive 92/43/EEC and Directive 2009/147/EC.</p>	
<p>6. A description of the forecasting methods or evidence, used to identify and assess the significant effects on the environment, including details of difficulties (for example technical deficiencies or lack of knowledge) encountered compiling the required information and the main uncertainties involved.</p>	<p>An overview of the methodology of the assessment is provided in Section 4.4 while the individual technical chapters provide details of each technical assessment (Revised Chapters 5 to 14).</p>
<p>7. A description of the measures envisaged to avoid, prevent, reduce or, if possible, offset any identified significant adverse effects on the environment and, where appropriate, of any proposed monitoring arrangements (for example the preparation of a post-project analysis). That description should explain the extent to which significant adverse effects on the environment are avoided, prevented, reduced or offset, and should cover both the construction and operational phases.</p>	<p>The overall approach to mitigation is discussed in Section 4.4. Specific mitigation measures are reported in each relevant technical section of the Additional Information: Revised EIA Report and in schedule of commitments presented in Revised Chapter 15.</p>
<p>8. A description of the expected significant adverse effects of the development on the environment deriving from the vulnerability of the development to risks of major accidents and/or disasters which are relevant to the project concerned. Relevant information available and obtained through risk assessments pursuant to legislation of the European Union such as Directive 2012/18/EU of the European Parliament and of the Council or Council Directive 2009/71/Euratom or relevant assessments may be used for this purpose provided that the requirements of this Directive are</p>	<p>The predicted significant effects of the Proposed Development are reported after relevant mitigation measures have been applied to an identified impact, in each of the technical chapters of the Additional Information: Revised EIA Report.</p> <p>An assessment of major accidents and/or disasters was scoped out.</p>



Required Information (Schedule 4 of the EIA Regulations)	Relevant Reference within this Additional Information Revised EIA Report
met. Where appropriate, this description should include measures envisaged to prevent or mitigate the significant adverse effects of such events on the environment and details of the preparedness for and proposed response to such emergencies.	
9. A non-technical summary of the information provided under points 1 to 8.	A Non-Technical Summary (NTS) is presented as Volume 4 of the Additional Information: Revised EIA Report.
10. A reference list detailing the sources used for the descriptions and assessments included in the EIA Report.	References are provided at the end of each chapter of the Additional Information: Revised EIA Report.



4.14 References

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

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