

# **Environmental Impact Assessment (EIA)**

## **Report**

### ***LT383 Alyth to Tealing Overhead Line (OHL)***

### ***400kV Upgrade***

***November 2024***



## **VOLUME 4: APPENDIX 6.1 - SCOPING MATRIX**

**Table A6.1-1 Scoping Matrix**

No.	Subject	Task	Consultee	Scoping Opinion Page Ref.	EIA Report Reference	Comments
01	Scoping Consultations	Scottish Ministers expect the EIA Report to consider in full all consultation responses included with the Scoping Opinion	ECU01	4	Throughout the EIA Report	All consultation responses received are summarised within this Scoping Matrix and addressed throughout the EIA Report, where relevant.
02	Scottish Water Assets	<p>Scottish Water provided information on whether there are any drinking water protected areas or Scottish Water assets on which the development could have any significant effect.</p> <p>Scottish Ministers request that the company contacts Scottish Water and makes further enquiries to confirm whether there are any Scottish Water assets which may be affected by the development and includes details in the EIA Report of any relevant mitigation measures to be provided.</p>	ECU02	5	Volume 2: Chapter 12 – ‘Hydrology, Hydrogeology, Geology and Soils’	Scottish Water have been contacted directly to obtain information on Drinking Water Protected Areas and assets. The noted chapter will assess potential impacts on the water environment and will identify any relevant mitigation measures.
03	Private Water Supplies	<p>Scottish Ministers request the presence of any private water supplies which may be impacted by the development are investigated and included in the EIA if identified.</p> <p>If any supplies are identified, an assessment of the potential impacts, risks, and any mitigation which would be provided should also be included.</p>	ECU03	6	Volume 2: Chapter 12 – ‘Hydrology, Hydrogeology, Geology and Soils’	Private Water Supply (PWS) data was obtained from Angus Council and Perth and Kinross Council to determine the presence of PWS within 1km of the Proposed Development. Chapter 12: Hydrology, Hydrogeology, Geology and Soils, Volume 2 of the EIA Report will contain details of any assets and / or PWS identified, assess potential impacts arising from the Proposed Development, and set

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						out suitable mitigation measures, where required.
04	Special Areas of Conservation	Developers should identify and consider any areas of Special Areas of Conservation where fish are a qualifying feature and proposed felling operations particularly in acid sensitive areas.	ECU04	6	Volume 2: Chapter 7 – ‘Ecology’ and; Chapter 12 – ‘Hydrology, Hydrogeology, Geology and Soils’	Potential effects on SACs are considered primarily in the noted chapters. The potential effects of felling are also considered in these chapters, based on the felling requirements set out within the forestry chapter and associated appendices.
05	Marine Ecology	Marine Directorate – Science Evidence Data and Digital (MD-SEDD) also provide standing advice for onshore wind farm or overhead line development (which has been appended at Annex B) which outlines what information, relating to freshwater and diadromous fish and fisheries, is expected in the EIA report. Use of the checklist, provided in Annex 1 of the standing advice, should ensure that the EIA report contains the required information; the absence of such information may necessitate requesting additional information which may delay the process. Developers are required to submit the completed checklist in advance of their application submission.	ECU05	6	Volume 4: MD-SEDD Appendix	The checklist will be completed and included as an appendix.
06	Peat Landslide Risk	Scottish Ministers consider that where there is a demonstrable requirement for peat landslide hazard risk assessment (PLHRA), the assessment should be undertaken as part of the EIA process. Best practice guidance (provided in Scoping Opinion) should be followed.	ECU06	6	Volume 2: Chapter 12 – ‘Hydrology, Hydrogeology, Geology and Soils’	As there are only localised peat deposits within the study area, the completion of a PLHRA has not been identified as a requirement for the Proposed Development. Potential impacts on peat and carbon rich soils will be addressed within the soils sections of the noted

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						chapter of the EIA Report, which will also provide appropriate mitigation measures as required.
07	Visualisations	The production of visualisations to form part of the LVIA should follow discussions on agreed viewpoint locations with Perth and Kinross Council (PKC), Angus Council (AC) and NatureScot.	ECU07	6	N/A	The Scoping Report stated that visualisations would be prepared only if considered necessary. The Landscape and Visual Impact Assessment (LVIA) was scoped out of the EIA Report due to the limited and temporary nature of potential change, with significant effects unlikely to occur as a result of the Proposed Development. Therefore, visualisations will not be prepared as part of the EIA Report.
08	Noise	The Noise Assessment should be carried out in line with relevant legislation and standards as detailed in section 11 of the scoping report.	ECU08	7	Volume 2: Chapter 13 – Noise	The noise assessment will be presented in the noted chapter and associated appendices.
09	Noise	As requested by PKC Environmental Health, an indoor noise assessment should also be incorporated assuming a partially opened window using Noise Rating curve criteria. It is further expected that noise from construction works would comply with PKC and AC area's guidelines for construction noise.	ECU09	7	Volume 2: Chapter 13 – 'Noise', and Relevant Appendices providing SPPs, GEMP and CEMP	A noise assessment will be completed and included as an appendix to Chapter 13: Noise and Vibration, Volume 2 of the EIA Report. An indoor noise assessment assuming a partially opened window using Noise Rating curve criteria will be incorporated and included as

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						an appendix to the noise chapter.
10	Cumulative Assessment	It is recommended by the Scottish Ministers that in order to assess the full environmental impact of the development, the Company include within the cumulative impact assessment not only approved EIA development, but also EIA and non EIA OHL or Substation infrastructure that is associated with SSEN Transmission ASTI projects.	-		Volume 2: Chapter 14 – Cumulative Assessment	Cumulative effects following the suggested methodology will be assessed within each technical chapter in the EIA Report, as well as through Chapter 14: Cumulative Assessment, Volume 2.
11	Ornithology	Scottish Ministers recommend that decisions on bird surveys - species, methodology, vantage points, viewsheds & duration - site specific & cumulative - should be made following discussions between the company and NatureScot.	ECU10	7	Volume 2: Chapter 8 – ‘Ornithology’	NatureScot were consulted by letter on the proposed survey scope on 08 March 2024. On 27 March 2024, NatureScot confirmed their agreement with the proposed ecology and ornithology survey scope and the surveys were conducted on this basis.
12	Archaeology and Cultural Heritage	The assessment on archaeology and cultural heritage should be carried out in line with relevant legislation and standards as detailed in Section 8 of the scoping report and should also include the recommendations by both HES and PKC within their consultation response.	ECU11	7	Volume 2: Chapter 10 – ‘Cultural Heritage’	Chapter 10: Cultural Heritage, Volume 2 of the EIA Report will be carried out in line with the relevant legislation and standards set out in the Scoping Report and will include the recommendations provided by HES and Perth and Kinross Council as required.
13	Existing and/or Planned Infrastructure	Scottish Ministers request that the company assess the impact of the proposed development on existing and/or planned infrastructure. In particular should carry out necessary assessments to confirm	ECU12	7	Volume 2: Chapter 5- ‘Cumulative Impact Assessment’	Pre-construction surveys will determine whether any elements of the Proposed

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		<p>if the proposed development is within the following consultation zones:</p> <ul style="list-style-type: none"> <li>• Licensed explosives site;</li> <li>• gas (or any other) pipeline;</li> <li>• existing overhead electric lines;</li> <li>• underground cables; water pipes; and</li> <li>• telecommunication links.</li> </ul>				Development would interfere with any pipelines or cables.
14	Hazardous Substances	<p>Scottish Ministers request the company to assess if any flammable, toxic or explosive chemicals detailed in the Town and Country Planning (Hazardous Substances) (Scotland) Regulations 2015 would be stored on site in quantities such that a Hazardous Substances Consent would be required under Section 2 of the Planning (Hazardous Substances) (Scotland) Act 1997.</p>	ECU13	7	N/A	No flammable, toxic or explosive chemicals are expected to be stored on site. Hazardous Substances Consent is therefore not considered to be a requirement of the Proposed Development.
15	Mitigation Measures	<p>The mitigation measures suggested for any significant environmental impacts identified should be presented as a conclusion to each chapter. Applicants are also asked to provide a consolidated schedule of all mitigation measures proposed in the environmental assessment, provided in tabular form, where the mitigation is relied upon in relation to reported conclusions of likelihood or significance of impacts.</p>	ECU14	7	Throughout the EIA Report	Mitigation measures, where required, will be set out within each technical chapter and summarised in tabular form within a Schedule of Mitigation as part of the EIA Report.
16	EIAR Advice	<p>Applicants are asked to provide a summary, in tabular form, of where within the EIA report each of the specific matters raised in this scoping opinion has been addressed.</p>	ECU15	8	Scoping Matrix	This scoping matrix will address the noted request and will be included as part of the EIA Report.
17	Archaeology and Cultural Heritage	<p>The proposed scoping for heritage assets is acceptable. However, the EIA should include the Category C listed Drumkilbo Mains Farm, which is not identified on the heritage assets maps or within the Scoping Report.</p>	Perth and Kinross Council	A1	Volume 2: Chapter 10 – ‘Cultural Heritage’	Drumkilbo Mains Farm will be included within the noted chapter of the EIA Report.

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		The EIA for heritage impact assets should be undertaken on the "Worst Case Access Strategy" map.				The assessment of heritage asset impacts will be based on the "Worst Case Access Strategy".
18	Agricultural Land	The EIA scoping report omits prime agricultural land but some on/under the proposed development is Class 2 or Class 3.1. It is appreciated that the proposed development may be expected to have little direct effect on soils however, it is important that this is given consideration as the agricultural soil under the line may or may not be indirectly affected as it may become unavailable for use while the line is being upgrades or in use.	Perth and Kinross Council	A2, A3	Volume 2: Chapter 12 – 'Hydrology, Hydrogeology, Geology and Soils'	Noted. Potential impacts on soils will be addressed within the noted chapter, and mitigation measures will be provided as required.
19	Archaeology and Cultural Heritage	PK Heritage Trust recommend that a data extract is requested from Perth and Kinross Historic Environment Record as the most detailed and dynamic record available for undesignated historic assets.	Perth and Kinross Heritage Trust	A3	Volume 2: Chapter 10 – 'Cultural Heritage'	Noted. Perth and Kinross Historic and Environment Record will be used to identify undesignated historic assets
20	Archaeology and Cultural Heritage	PKHT are in broad agreement with 8.4 regarding potential impacts. However, it is advised that consideration is given for potential impacts on unknown buried archaeology that are sensitive through geography or indeed blind spots in the record. <ul style="list-style-type: none"> <li>Requested that the EIA considers this with regards to where works look to have physical impacts, such as new access tracks.</li> <li>Requested that compounds and lay down areas are sited in areas without archaeological potential.</li> </ul>	Perth and Kinross Heritage Trust	A3	Volume 2: Chapter 10 – 'Cultural Heritage'	Noted and consideration will be given to unknown buried archaeology, in regard to where works look to have physical impacts. Compounds and laydown areas required for the Proposed Development are not included within this application and therefore will not be assessed as part of the EIA.
21	Archaeology and Cultural Heritage	Content that most adverse impacts to archaeology from the proposal are mitigated against. However, pre and post	Perth and Kinross	A3, A4	Volume 2: Chapter 10 – 'Cultural Heritage'	Noted.



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		conditions survey is requested for non-invasive tracks, in areas of known archaeological sensitivity.	Heritage Trust			Pre and post condition surveys will be undertaken as best practice in areas of known archaeological sensitivity.
22	Archaeology and Cultural Heritage	For new access tracks requiring excavation PKHT would be expecting any archaeological requirements to be targeted via proximity to other monuments or as outlined above potential for unknown buried remains to survive (geography etc).	Perth and Kinross Heritage Trust	A4	Volume 2: Chapter 10 – ‘Cultural Heritage’	Noted. The Cultural Heritage chapter of the EIA Report will include mitigation measures to address potential impacts arising from excavations in areas where archaeological remains have been recorded or in areas where previously unrecorded archaeological potential is high.
23	Archaeology and Cultural Heritage	Full assessment of the boundaries of SMs and the limitations of these is required due to recent discoveries at Haughend (continuation of timber frame building out with red line boundary). Protective fencing and buffers should also be considered as measures to avoid accidental damage during works to both designated and undesignated monuments.	Perth and Kinross Heritage Trust	A4	Volume 2: Chapter 10 – ‘Cultural Heritage’	Noted. The boundaries of Scheduled Monuments will be detailed within the noted chapter. Mitigation measures, including temporary fencing and buffers, will be included within the noted chapter as required.
24	Archaeology and Cultural Heritage	As final details have not yet been agreed, PKHT would still require consultation in advance of any works and may recommend further programmes of works to those addressed in the EIA report.	PKC: Perth and Kinross Heritage Trust	A4	Volume 2: Chapter 10 – ‘Cultural Heritage’	Noted. PKHT will be consulted prior to work commencing once final details have been agreed.
25	Archaeology and Cultural Heritage	It's likely PKHT would propose that a condition for a programme of archaeological works would need attached to any future application and potentially a requirement for an Archaeological Clerk of Works to manage the impacts on unknown	PKC: Perth and Kinross Heritage Trust	A4	Volume 2: Chapter 10 – ‘Cultural Heritage’	Noted.

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		archaeological remains and protect known archaeology along the route.				
26	Traffic and Transport	It is proposed that the A90(T) Emmock Road and local roads are included in the EIA, in addition to local roads.	Transport Scotland	A29	Volume 2: Chapter 11 – ‘Traffic and Transport’	Will be noted and considered within the noted chapter
27	Traffic and Transport	<p>It is requested that 'estimated' data from the Department of Transport is not used.</p> <ul style="list-style-type: none"> <li>Alternatively: Traffic Scotland's National Traffic Data Systems is suggested.</li> <li>Base traffic data will need to be factored to construction year flows, using National Road Traffic Forecasts (NRTF) Low Growth.</li> </ul>	Transport Scotland	A29	Volume 2: Chapter 11 – ‘Traffic and Transport’	The traffic and transport assessment will use estimated construction traffic data provided by the appointed Contractor.
28	Response to the questions asked in Section 18.2 of the Scoping Report	<p>What environmental information do you hold or are aware of that will assist in the EIA described here?</p> <ul style="list-style-type: none"> <li>most of our data is available directly from the SEPA website. Where any data cannot be found please submit a data request via our online form.</li> </ul> <p>Are there any key issues or possible effects which have been omitted?</p> <ul style="list-style-type: none"> <li>No</li> </ul> <p>Do you agree with the list of issues to be scoped out, and the rationale behind the decision?</p> <ul style="list-style-type: none"> <li>Yes. And provided watercourse crossings are designed to accommodate the 1 in 200-year event plus climate change and other infrastructure is located well away from watercourses we do not foresee from current information a need for detailed information on flood risk. However, should any of the track upgrades and new temporary tracks require land raising within a flood</li> </ul>	SEPA	A12	Volume 2: Chapter 12 – ‘Hydrology, Hydrogeology, Geology and Soils’	The assessment as detailed in the noted chapter of the Scoping Report will be undertaken as proposed.

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		extent then a detailed flood risk assessment and appropriate mitigation maybe required.				
29	Regulatory advice	Details of regulatory requirements and good practice advice, for example in relation to engineering works in the water environment and waste management, can be found on the regulations section of our website. If you are unable to find the advice you need for a specific regulatory matter, please contact a member of the local compliance team at: fad@sepa.org.uk.	SEPA	A12, A13	N/A	Noted.
30	Advice on key issues	<p>It is envisaged that significant adverse effects on protected areas can be avoided through the implementation of standard mitigation measures during the construction work, including compliance with both project wide and site-specific environmental management procedures, with reference to SSEN Transmission General Environmental Management Plans (GEMPs) and Species Protection Plans (SPPs).</p> <p>A Construction Environment Management Plan (CEMP) will be developed for the project and adopted by the Principal Contractor during the construction phase. The implementation of the CEMP would be managed on site by a suitably qualified and experienced Environmental Clerk of Works (ECoW), with support from other environmental professionals as required.</p>	NatureScot	A14, A15	<p>Volume 2: Chapter 7- 'Ecology' and Chapter 8: 'Ornithology',</p> <p>Relevant Appendices providing SPPs, GEMP and CEMP.</p>	As referenced, these will be provided where relevant within the EIA Report.
31	Scottish Water	<p>Scottish has no objection to the proposal.</p> <p>They advise that the development is within proximity to live infrastructure, therefore it is required that any potential conflicts with Scottish Water assets are identified, and contact Scottish Water Asset Impact Team</p>	Scottish Water	A25, A26	Volume 2: Chapter 12 – 'Hydrology, Hydrogeology, Geology and Soils'	Noted
32	Archaeology and Cultural Heritage	HES recommend that archaeological mitigation measures should be incorporated within the proposed Construction Environmental Management Plan to ensure they are not accidentally overlooked; this is a particular risk if excavation or	Historic Environment Scotland (HES)	A7	Volume 2: Chapter 10 – 'Cultural Heritage'	<p>Noted.</p> <p>Archaeological mitigation measures identified within the</p>

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		monitoring by an archaeological contractor is required as responsibilities on site can become confused.				noted chapter will be incorporated within the CEMP.
33	Cultural Heritage	HES note that the creation and use of the main site compound is not included in the EIA process as it is the responsibility of the main contractor. That contractor should be made aware of the mitigation requirements for cultural heritage assets and ensure they are followed.	HES	A7	N/A	The Contractor will be contacted and made aware of mitigation requirements for cultural heritage assets and will ensure that they are followed.
34	Archaeology and Cultural Heritage	<p>HES state that on large-scale projects such as this there is always a small risk of accidental damage. The EIAR should detail the embedded mitigation measures that will be used to minimise or remove the risk.</p> <p>This could range from 'toolbox talks' to ensure employee awareness, to Site Protection Plans to avoid accidental damage to assets identified as being at particular risk.</p> <p>These mitigation measures should form part of the Construction Environmental Management Plan.</p>	HES	A8	Volume 2: Chapter 10 – 'Cultural Heritage'	Embedded mitigation measures that will minimise/reduce the risk of accidental damage to assets will be included in the CEMP.
35	Archaeology and Cultural Heritage	HES note the commitment to biodiversity enhancement as part of the project. While this is welcome, any such schemes should be designed to ensure they do not create inadvertent adverse impacts on cultural heritage assets.	HES	A8	Volume 2: Chapter 7 – 'Ecology'	Noted.
36	Archaeology and Cultural Heritage	<p>HES noted the proposed works have the potential to result in direct physical impacts on Cardean Roman Camp and prehistoric barrow (SM4337):</p> <ul style="list-style-type: none"> <li>Any works requiring a physical intervention to the monument, including preliminary groundworks, would require Scheduled Monument Consent.</li> <li>A detailed assessment of the potential impacts, from works to towers 643 and 644, and the mitigation measures proposed to minimise them should be included in the EIAR.</li> </ul>	HES	A8, A9	Volume 2: Chapter 10 – 'Cultural Heritage'	<p>Noted.</p> <p>The assessment of works and mitigation measures in relation to Towers 643 and 644 will be included in the noted chapter.</p> <p>Contractors will be made aware of the extent of the Cardean Roman Camp Scheduled Monument area.</p>

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		<ul style="list-style-type: none"> <li>All contractors working at the site should be made aware of the extent of the legally protected scheduled area of the monument.</li> <li>A Site Protection Plan should be prepared that includes information on access, ground protection and temporary barriers.</li> </ul>				Mitigation measures, including temporary fencing and buffers, will be included within the noted chapter as required. Works to be agreed pre-construction with the relevant Local Planning Authority Archaeological Advisor, and approved via a Written Scheme of Investigations (WSI).
37	Archaeology and Cultural Heritage	<p>HES noted the proposed works have the potential to result in direct physical impacts on Drumkilbo Designed Landscape (GDL00142).</p> <p>To enable a fully informed decision on the proposal the EIAR should address:</p> <ul style="list-style-type: none"> <li>Access: describe clearly what physical and visual impacts on tree-lined east drive and any mitigation measures needed to avoid/reduce effects.</li> <li>Tower/foundation strengthening: should make clear what towers this applies to, what will be involved and mitigating measures.</li> <li>Reprofiling: clarification is requested within the EIAR regarding if/where earthmoving is proposed and how any potential impacts will be mitigated.</li> <li>Tree Felling: for example, associated with creating 400kV operational corridor.</li> </ul>	HES	A9, A10	Volume 2: Chapter 10 – ‘Cultural Heritage’	Access, tower/foundation strengthening, reprofiling and tree felling in relation to Drumkilbo Designed Landscape will be addressed within the noted chapter.
38	Core Paths and Construction Traffic	BHS noted several core paths, likely used by equestrians, intersect the OHL and access tracks. BHS are willing to provide guidance on suitable surfaces and infrastructure.	British Horse Society (BHS)	A16, A18	Volume 2: Chapter 11 – ‘Traffic and Transport’	Noted Drivers of construction vehicles will be made aware of potential

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		Advised that construction traffic will likely encounter equestrians on roads. Drivers should be made aware of this risk (BESS ""Guidance to drivers of large vehicles document"").				to encounter equestrians on roads.
39	No Concerns	The MOD has no concerns but should be consulted at all future stages for this proposed development to complete a full detailed safeguarding assessment.	Ministry of Defence (MOD)	A20	N/A	Noted
40	No Concerns	ONR makes no comment on this proposed development as it does not lie within a consultation zone around a GB nuclear site.	Office for Nuclear Regulation (ONR)	A24	N/A	Noted
41	No Concerns	Provided that the pylons are not moving (and that existing pylons are being re-used), JRC has no comment to make.	Joint Radio Company (JRC)	A21	N/A	Noted
42	No Concerns	Network Rail considered that it will have no impact on railway infrastructure and therefore has no comments / objections.	Network Rail	A23	N/A	Noted