Scottish & Southern Electricity Networks

TRANSMISSION

Pre-Application Consultation Report

Emmock and Tealing Overhead Line Tie-ins

August 2025

Scottish & Southern Electricity Networks

TRANSMISSION

CONTENTS

1.	**INTRODUCTION**	**1**
1.1	Purpose of this Report	1
1.2	Structure of this Report	1
2.	**PROPOSED DEVELOPMENT**	**3**
2.1	Project Background	3
2.2	Background to Proposed Development	3
3.	**THE CONSULTATION PROCESS**	**5**
3.1	Overview	5
3.2	Pre application Consultation - PAC 1	5
3.3	Pre application Consultation – PAC 2	8
4.	**PRE APPLICATION CONSULTATION (PAC 1) RESPONSES, KEY ISSUES AND HOW THE PROJECT RESPONDED**	**11**
4.1	Overview	11
4.2	Pre application Consultation PAC 1 Responses	11
PRE APPLICATION CONSULTATION (PAC 2) RESPONSES, KEY ISSUES AND HOW THE PROJECT RESPONDED		**13**
4.3	Overview	13
4.4	Pre application Consultation PAC 2 Responses	13
5.	**CONCLUSIONS**	**17**
APPENDICES		**18**

APPENDICES

Appendix A: PAC 1 Consultation Booklet

Appendix B: PAC 1 Consultation Banners and Maps

Appendix C: Public Consultation Newspaper Advertisements

Appendix D: Other Public Consultation Advertisements

Appendix E: PAC 2 Consultation Booklet

Appendix F: PAC 2 Consultation Banners and Maps

1. INTRODUCTION

1.1 Purpose of this Report

1.1.1 Scottish Hydro Electric Transmission plc (the Applicant) who, operating and known as Scottish and Southern Electricity Networks Transmission (SSEN Transmission), own, operate and develop the high voltage electricity transmission system in the north of Scotland and remote islands. SSEN Transmission holds a license under the Electricity Act 1989 to develop and maintain an efficient, coordinated and economical system of electricity transmission.

1.1.2 The Applicant is seeking consent under Section 37 to the Electricity Act 1989 (as amended) to divert short sections of the Alyth – Tealing overhead line (OHL) and Westfield – Tealing 275kV OHL which currently connect with the existing Tealing 275kV substation, to connect with the proposed Emmock 400kV substation; and of the installation of two short sections of parallel 275kV OHL 'tiebacks' (TT), the East TT and West TT, between Emmock and existing Tealing substations (hereafter referred to as the 'Proposed Development'. A full description of the Proposed Development and its ancillary works is set out within Volume 1, Chapter 3: Project Description of the Environmental Impact Assessment Report (EIAR) that accompanies the Section 37 application.

1.1.3 There is no statutory requirement to undertake formal pre-application consultation (PAC) for applications made under section 37 of the Electricity Act 1989, however, for all section 37 applications that are EIA development, the Scottish Government Energy Consents Unit (ECU) recommends a voluntary approach to PAC that generally aligns with the compulsory process prescribed for national and major development applications under the Town and Country Planning (Scotland) Act 1997 through its Good Practice Guidance[1].

1.1.4 The purpose of this document is to describe the PAC process SSEN Transmission has undertaken for the Proposed Development, with reference to the content requirements of PAC Reports as described in Table 1 of Section 3.2 of the ECU Good Practice Guidance. In doing so, we demonstrate that SSEN Transmission has met the expectations of the ECU in carrying out meaningful engagement at the earliest possible stage with communities and groups potentially affected by development proposals.

1.2 Structure of this Report

1.2.1 The PAC Report is comprised of six parts:

1. *Introduction*: sets out the purpose of the Pre-Application Consultation Report;
2. *Proposed Development*: outlines the background to the project and provides a description of the key elements;
3. *The Consultation Process*: describes the framework for consultation and methods which have been employed;
4. *Pre application consultation PAC 1*: Consultation Responses, Key Issues and How the Project Responded – describes how the comments and issues raised during PAC 1 events were addressed by the project;
5. *Pre application consultation PAC 2*: Consultation Responses, Key Issues and How the Project Responded – describes how the comments and issues raised during PAC 2 were addressed by the project; and
6. *Conclusions*– provides a summary of the conclusions reached.

[1] See Section 3.2 of Scottish Government: Good Practice Guidance for Applications under Section 36 and 37 of the Electricity Act 1989. (updated July 2022)

1.2.2 Appendices are attached to provide evidence of consultation and publicity carried out.

2. PROPOSED DEVELOPMENT

2.1 Project Background

2.1.1 The Applicant is applying for consent under Section 37 of the Electricity Act 1989 for the Proposed Development, as shown in Figure 1 below.

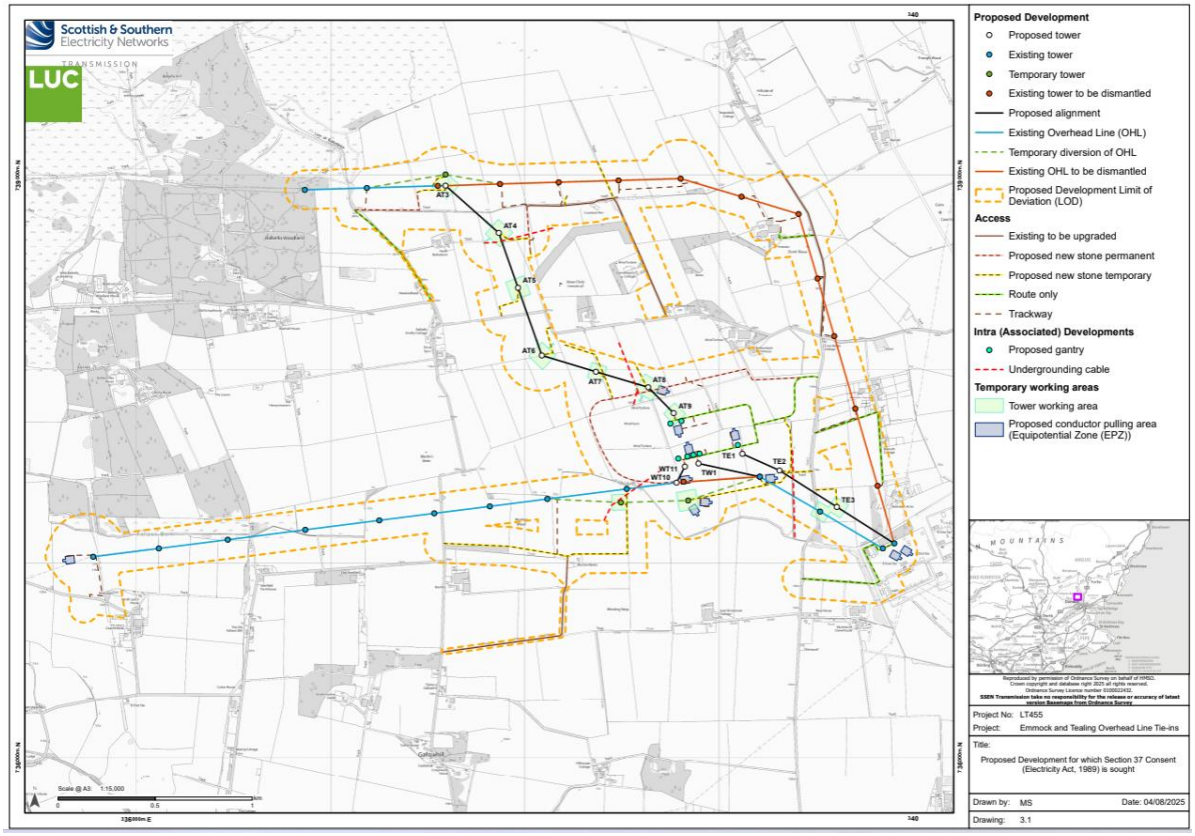


Figure 1 – The Proposed Development

2.1.2 The Proposed Development seeks consent under section 37 of the Electricity Act 1989, to divert short sections of the Alyth - Tealing OHL and Westfield - Tealing 275 kV OHLs, which currently connect with the existing Tealing 275 kV Substation, to connect with the proposed Emmock 400 kV substation; and for the installation of two short sections of parallel 275 kV OHL 'tiebacks' (TT), the East TT and West TT, between Emmock and existing Tealing substations. The development falls within the administrative areas of Angus Council.

2.2 Background to Proposed Development

2.2.1 In July 2022, the National Energy System Operator (NESO), published the 'Pathway to 2030 Holistic Network Design' (HND). This set out the blueprint for the onshore and offshore transmission infrastructure required to support the forecasted growth in the UK's renewable electricity.

2.2.2 For the north of Scotland, there is a need for a significant and strategic increase in the capacity of the onshore electricity transmission infrastructure to deliver 2030 targets and a pathway to net zero. Identified elements of the network reinforcement to deliver this capacity require accelerated development and delivery to meet 2030 connection dates, and, as part of the East Coast 400 kV Phase 2 upgrade reinforcement project, the Kintore to Tealing 400 kV OHL is required to be progressed accordingly. The need for these reinforcements has been further underlined within the recent British Energy Security Strategy5. This sets out the UK Government's plans to accelerate homegrown power to support increased UK energy independence. Providing a 400kV overhead line connection between these sites provides the significant capacity required to take power from large-scale onshore and offshore renewable generation connecting into the north of Scotland before transporting power to

areas of demand. These projects have been highlighted as critical to enable the delivery of the UK and Scottish governments' 2030 net zero targets, with a requirement for accelerated development and delivery.

2.2.3 The extensive studies completed to inform the ESO's Pathway to 2030 HND confirmed the requirement to increase the power transfer capacity of the onshore corridor from Kintore to Tealing. This requires a 400 kV connection between these sites to enable the significant power transfer capability needed to take power from onshore and large scale offshore renewable generation which is proposed to connect at onshore locations on the East Coast of Scotland before then being transported to areas of demand

2.2.4 The Kintore to Tealing 400 kV OHL (Overall Project) requires that the Emmock and Hurlie 400 kV substations be constructed to enable future connections and export routes to areas of demand. The Proposed Development will connect the existing reconductored 400 kV Alyth - Tealing and Westfield - Tealing OHLs to Emmock substation and provide 275 kV tie-back connections to Tealing Substation for transmission to the grid. These associated SSEN Transmission projects will support the delivery of the UK and Scottish Government's renewable energy targets in-line with both National Grid's Pathway to 2030 HND and OFGEM's Accelerated Strategic Transmission Investment (ASTI) framework for funding projects that are needed to deliver the Government's 2030 ambitions. The 400 kV network on the East Coast of Scotland is specifically referred to within the ASTI projects.

3. THE CONSULTATION PROCESS

3.1 Overview

3.1.1 This section describes the methods employed during the consultation process and provides information on meetings and engagements held with stakeholders in order to obtain feedback on the application prior to submission. As described in Section 2.3, corridor, route and alignment stage consultations were undertaken. These are detailed in the following sections.

3.1.2 The Scottish Government's Good Practice Guidance states the expectation that applicants *"hold at least two public consultation events prior to submitting the application. The final public event taking place at least 14 days after the first public event. The public events are to give members of the public the opportunity to make comments to the applicant as regards the proposed development. At the final public event, the applicant should provide feedback to members of the public in respect of comments received by the applicant regarding the proposed development."*

3.1.3 In this report, the two pre-application consultation events are described, respectively, as PAC 1 and PAC 2 consultation. The sections below detail the activities undertaken in respect of each stage.

3.1.4 It should be noted that both PAC 1 and PAC 2 consultations events for the proposed development were held simultaneously with the Kintore-Tealing 400kV overhead line PAC 1 and PAC 2 consultation events. Each of the consultation events discussed within this PAC Report were used to display information and allow feedback relative to the Alyth- Tealing OHL TT and the Tealing-Westfield OHL TT projects. This approach was taken given the similar nature of the proposed developments, their relative proximity and their presence within some of the same local authority areas.

3.2 Pre application Consultation - PAC 1

3.2.1 To support initial PAC 1 consultation events, a Consultation Booklet was prepared and published in September 2024 and uploaded to the project website. The Consultation Booklet provided project context and project details and sought comments from stakeholders and members of the public on the proposed development (See Appendix A).

3.2.2 The consultation events took place at the following venues and dates/times. Note, the consultation event at Tealing was in closest proximity to the Proposed Development. However, all consultation events listed below were combined events for the Proposed Development and the Kintore to Tealing 400kV Connection Project.

Table 1 Pre-application consultation (PAC) 1 events

Venue	**Date and Time**
Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW	Monday 23 September, 1.30 - 6.30pm
Wallace Suite, Royal Hotel, 33 Castle Street, Forfar, DD8 3AE	Tuesday 24 September, 2 - 7pm
Memus Community Hall, Memus, Forfar, DD8 3TY	Wednesday 25 September, 2 - 7pm
Brechin City Hall, 9 Swan Street, Brechin, DD9 6EE	Thursday 26 September, 2 - 7pm
Menmuir Hall, Brechin, DD9 7RN	Monday 30 September, 2 - 7pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX	Tuesday 1 October, 1.30 - 6.30pm

Venue	Date and Time
Echt Hall, Echt, Westhill, AB32 6UL	Wednesday 2 October, 2 - 7pm
Drumoak, Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF	Thursday 3 October, 2 - 7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT	Monday 7 October, 2 - 7pm
Stonehaven Town Hall, Allardice Street, Stonehaven, AB39 2BU	Tuesday 8 October, 2 - 7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE	Wednesday 9 October, 2 - 7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP	Thursday 10 October, 2 - 7pm

3.2.3 At the entrance of each venue, project team staff were stationed to welcome and note attendee numbers. Attendees were also invited to have their names and contact details recorded so that the project team could provide email updates on project information and upcoming events.

3.2.4 SSEN Transmission has prepared a suite of online information leaflets and collated Frequently Asked Questions in the Pathway to 2030 FAQ's web page[2]. Hard copies of Information leaflets were available at the events for attendees to read and take home, elaborating on the contents of the Consultation Document and Booklet. These covered topics such as:

- Applications under Section 37 of the Electricity Act 1989
- Electric and Magnetic Fields
- Protecting Private Water Supplies
- Pathway to 2030: Why are these projects needed?
- Biodiversity Net Gain

All of these were published in May 2024 and copies made available to members of the public at consultation events.

3.2.5 The printed Consultation Booklet (See Appendix A) were also available at all consultation events, and information banners and maps (see Appendix B) were available for attendees to learn more about the project at that stage of development.

3.2.6 Members from multiple disciplines within the project team were available to answer questions and attendees were invited to provide feedback to a set of questions via an online feedback form or a printed consultation feedback form at the rear of the consultation booklet. In addition, feedback was sought via email to a dedicated inbox (tkup@sse.com) or by post to the Community Liaison Manager.

3.2.7 The feedback period in relation to the PAC 1 events was open from 9 September until 21 November 2024. In addition, local Community Councils [Appendix C] were invited to a next steps for project development briefing call which was held via Microsoft Teams on 28 August 2024.

Stakeholder engagement

2 www.ssen-transmission.co.uk/projects/2030-projects/2030-faqs/

3.2.8 Engagement with statutory stakeholders during the pre-application consultation stage was undertaken via statutory consultee pre-application consultation meetings at regular intervals through the development process. Details of which can be found in the following table;

Table 2 – PAC 1 statutory consultee meetings

Attendees	***Date***	***Purpose***
SEPA	8 August	Hydrology assessments and watercourse buffer requirements
Local Authorities (Aberdeen City, Aberdeenshire and Angus Councils), SEPA, NatureScot, HES and Scottish Forestry	13 August	7th Statutory Stakeholder meeting – Presentation providing an update on the Routeing process
FLS	13 August	Regarding forthcoming Alignment Options
NatureScot	15 August	Loch of Park SSSI, Alignment design development and approach to ecological and hydrological assessments
NatureScot, HES, Aberdeenshire Council Planning, Heritage & Biodiversity Officers	10 September	Site visit to review areas of interest within Section F – Drum Castle, River Dee crossing at Drumoak, Dunecht GDL, Loch of Skene SPA and Loch of Park SSSI
NatureScot, Aberdeenshire Council Biodiversity Officer	30 October	Share preliminary ecological and hydrological site survey information and approach to assessment

Online and virtual consultation

3.2.9 The project website[3] for the Kintore to Tealing 400kV connection project contained links to all published materials and the feedback form as well as project updates, responses to FAQs, and notifications of upcoming consultation events.

3.2.10 During the consultation and subsequent feedback period, an online exhibition room was hosted on a virtual platform designed to look and feel like a consultation in a community hall, featuring the same information boards that were presented at the in-person events. The feedback form was provided on the portal, and all visitors were invited to complete this.

- Interactive consultation portal

Publicity

3.2.11 Pre application consultation events were advertised in The Angus Country Press on 12 & 19 September 2024, The Courier on 9, 11, 13, 16, 18 & 20 September 2024 and The Press and Journal on 16, 18, 20, 23, 25, 27 & 30 September 2024 as well as 2 & 4 October 2024 (see Appendix D).

3 https://www.ssen-transmission.co.uk/TKUP

3.2.12 Dates and venues of consultation events were also publicised on the project website, alongside a link to the online consultation portal[4]. In addition, SSEN Transmission's social media channels LinkedIn, X, Facebook and Instagram were also used advertise the consultation events (See Appendix E).

3.2.13 A letter informing of the event was also sent out to 56,091 homes and businesses within a 5km radius of the Proposed Development on 4th September 2024 (See Appendix E).

3.2.14 Furthermore, an email was sent to 1,873 individuals registered to receive project updates and posters were placed on community notice boards.

Advice on making comments to the Applicant

3.2.15 Consultees were made aware that providing comments through the pre-application process would be to the Applicant (SSEN Transmission), and that an opportunity to provide formal representations to the Energy Consents Unit of Scottish Government would be available once the Section 37 application was submitted and before Scottish Ministers make a decision on the application. Examples of where this has been advised can be found in the PAC 1 poster in Appendix E and PAC 1 Consultation Booklet in Appendix A.

3.3 Pre application Consultation – PAC 2

3.3.1 The purpose of the PAC 2 consultation events was to present a summary of feedback received via the PAC 1 stage.

3.3.2 Comments received from members of the public and other stakeholders in response to the PAC 1 Consultation Booklet (September 2024) or following in person consultation events, were set out within an updated Consultation Booklet (See Appendix F), published February 2025.

3.3.3 The consultation events took place at the following venues and dates/times. Note, the consultation event at Tealing was in closest proximity to the Proposed Development. However, all consultation events listed below were combined events for the Proposed Development and the Kintore to Tealing 400kV Connection Project.

Table 3 Pre-application consultation (PAC) 2 events

Venue	Date and Time
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX	Monday 24 February, 2-7pm
Echt Hall, Echt, Westhill, AB32 6UL	Tuesday 25 February, 2-7pm
Drumoak, Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF	Wednesday 26 February, 2-7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP	Thursday 27 February, 2-7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT	Monday 3 March, 2-7pm
Inglis Memorial Hall, High St, Edzell, Brechin DD9 7TF	Tuesday 4 March, 1-6pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE	Wednesday 5 March, 2-7pm
Menmuir Hall, Brechin, DD9 7RN	Monday 10 March, 2-7pm

4 https://3dwebtech.co.uk/dashboard/ssen/tkup/portal-en/

Venue	Date and Time
Memus Community Hall, Memus, Forfar, DD8 3TY	Tuesday 11 March, 2-7pm
Forfar Reid Hall, Castle Street, Forfar, DD8 3HX	Wednesday 12 March, 2-7pm
Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW	Thursday 13 March, 2-7pm

3.3.4 At the entrance of each venue, project team staff were stationed to greet attendees and note numbers. Attendees were also invited to have their names and contact details recorded so that the project team could provide email updates on project updates and upcoming events.

3.3.5 As with PAC 1 events, the printed Consultation Booklet (See Appendix F) was also available at all consultation events, and information banners and maps (see Appendix G) were available for attendees to learn more about the project at that stage of development. Members from multiple disciplines within the project team were available to answer questions and attendees were invited to provide feedback to a set of defined questions via an online feedback form or printed consultation feedback form at the rear of the consultation booklet. In addition, feedback was sought via email to a dedicated inbox or by post to the Community Liaison Manager.

3.3.6 Information leaflets[5] were again available on specific issues for attendees to read and take home, elaborating on the contents of the Consultation Booklet. Updates were made to the leaflets published in May 2024 and copies were available to members of the public at consultation events following. Based on feedback received during PAC 1 consultations, additional leaflets were created, namely:

- What to expect during the delivery of our projects
- Why do SSEN Transmission propose to use onshore underground cabling as part of their offshore connection projects but not for all projects?
- Early Careers

3.3.7 As mentioned above, the main purpose of the PAC 2 events was to present feedback on views obtained in response to the earlier round of consultation. However, the opportunity was given at the PAC 2 consultation stage to provide further feedback. The feedback period was open for 5 weeks after the first event on 24 February until 28 March 2025. In addition, local Community Councils were welcomed to get in contact with us if they wished to discuss any matters ahead of the PAC 2 events.

Stakeholder engagement

3.3.8 Engagement with statutory stakeholders during the pre-application consultation stage was undertaken via statutory consultee pre-application consultation meetings at regular intervals through the development process. Details of which can be found in the following table:

Table 4 – PAC 2 statutory consultee meetings

Attendees	*Date*	*Purpose*
Aberdeenshire Council / Aberdeen Council Archaeology Service & HES	27 November	Cultural Heritage assessment viewpoints

5 https://www.ssen-transmission.co.uk/projects/2030-projects/2030-faqs/

Attendees	*Date*	*Purpose*
Local Authorities (Aberdeen City, Aberdeenshire and Angus Councils), SEPA, NatureScot, HES and Scottish Forestry	12 December	8th Statutory Stakeholder meeting – Presentation providing an update on the Routeing process outlining the alignment design development stage
Aberdeenshire Council / Aberdeen Council Archaeology Service & HES	14 January	Follow up to meeting held on 27 November to review the Cultural Heritage assessment viewpoints

Online and virtual consultation

3.3.9 The [6]project website for the Kintore to Tealing 400kV connection project contained links to all published materials and the feedback form as well as project updates, responses to FAQs, and notifications of upcoming consultation events.

3.3.10 During the consultation and subsequent feedback period, an interactive 3d visualisation portal was hosted on a virtual platform. This enabled visitors to view project information and photospheres of multiple locations up and down the proposed OHL. It also included information on the two new proposed substations. The feedback form was also provided on the portal, and all visitors were invited to complete this.

- Interactive 3d Visualisation Portal

Publicity

3.3.11 PAC 2 events were advertised in The Angus Country Press on 13, 20 & 27 February 2025, The Courier on 10, 12, 14, 17, 19, 21, 24, 26 & 28 February 2025 and The Press and Journal on 10, 12, 14, 17, 19 & 21 February 2025 (see Appendix D).

3.3.12 Dates and venues of consultation events were also publicised on the project website, alongside a link to the online consultation portal. In addition, SSEN Transmission's social media channels LinkedIn, X, Facebook and Instagram were also used advertise the consultation events (See Appendix E).

3.3.13 A letter informing of the event was also sent out to 56,091 homes and businesses within a 5km radius of the Proposed Development on 7th February 2025 (See Appendix E).

3.3.14 Furthermore, an email was sent to 1,873 individuals registered to receive project updates.

Advice on making comments to the Applicant

3.3.15 Consultees were made aware that making a comment through the pre-application process was to the Applicant (SSEN Transmission), and that an opportunity to provide formal representations to the Energy Consent Unit of Scottish Government would be available once the Section 37 application was submitted. Examples of where this has been advised can be found in the PAC 2 Consultation Booklet in Appendix F.

6 https://www.ssen-transmission.co.uk/TKUP

4. PRE APPLICATION CONSULTATION (PAC 1) RESPONSES, KEY ISSUES AND HOW THE PROJECT RESPONDED

4.1 Overview

4.1.1 This section summarises the pre application consultation (PAC 1) responses, and how the project responded to them.

4.1.2 Table 4.1 sets out the consultation events and shows the number of attendees at each event. In total there were 1,444 attendees across all of the events. A total of 872 responses were received. These were received in the form of the feedback form, or written responses received in the project inbox or by mail. A total of 19 responses were received from statutory and non-statutory consultees.

Table 4.1 PAC 1 consultation event details and number of attendees

Venue	*Date*	*Number of attendees*
Tealing – Tealing Village Hall	23 September 2024	40

* Attendance figures reflect the number of people who registered their attendance at the consultation events on the day. For busier events, the number of attendees was often considerably higher than recorded.

4.2 Pre application Consultation PAC 1 Responses

4.2.1 There was limited specific feedback received from statutory and non-statutory consultees on the scope of the tie-in application during the consultation period which ran from 9 September to 21 November 2024 (see Table 4.2 below). However, feedback and our response in relation to Section A of the wider TKUP project is covered in detail in Table 3.5 in the Alignment Selection Report on Consultation[7] published January 2025.

Table 4.2 Summary of PAC 1 consultation feedback received and project response

Feedback	Response
Impacts on Scheduled Monuments There are 9 scheduled monuments within 3km of the proposed development which the development could have an impact on.	Whilst there will be some impact on the setting for some of the referenced scheduled monuments in the immediate vicinity of the proposed development, there will be no direct impacts on these assets either through construction or operation of the OHL's.
Impacts on views Many attendees have highlighted concerns about the impact the proposed development will have on views around Tealing from their properties.	At this stage the alignment for the route is now fixed, however there is the opportunity for further refinement to limit impacts further within the Limit of Deviation which will be applied for. This LoD will allow for micro siting in specific circumstances to help alleviate impacts as far is practical and reasonable.
Impacts on Birds	Impacts on bird species will be limited and where there is the potential for impacts this has been addressed through mitigation by design through the development for the alignment and applied mitigation

[7] Kintore-Tealing Report on Consultation January 2025

Feedback	Response
Potential impacts have been highlighted by consultees in relation to sites designated for various bird species.	through things like screening, planting and specific mitigation through a Breeding Bird Protection Plan all of which will be agreed with the relevant consultees prior to construction.

PRE APPLICATION CONSULTATION (PAC 2) RESPONSES, KEY ISSUES AND HOW THE PROJECT RESPONDED

4.3 Overview

4.3.1 This section summarises the pre application consultation PAC 2 responses, and how the project responded to them.

4.3.2 Table 5.1 sets out the consultation events and shows the number of attendees at each event. In total there were 1,180 attendees across all of the events. A total of 175 responses was received from statutory and non-statutory consultees.

Table 5.1 PAC 2 consultation event details and number of attendees

Venue	*Date*	*Number of attendees*
Tealing – Tealing Village Hall	13 March 2025	37

* Attendance figures reflect the number of people who registered their attendance at the consultation events on the day. For busier events, the number of attendees was often considerably higher than recorded.

4.4 Pre application Consultation PAC 2 Responses

4.4.1 A summary of the feedback received from statutory and non-statutory consultees, the local community and general public following the consultation period which ran from 10 February to 2 March 2025, alongside SSENT Transmission project responses, is set out below. There was limited feedback received on the scope of the tie-in application . However, feedback and our response in relation to the wider TKUP 400kV Overhead Line project is covered in Table 5.2 below.

Table 5.2 Summary of PAC 2 consultation feedback received and project response

Feedback	Response
Impact on agricultural land and countryside Concerns raised around the environmental impact of the project on local land and on land value.	In finalising tower positions where they may impact agricultural operations, we have worked with landowners to minimise operational impacts where possible. We are committed to reinstating affected farmland to its original condition and any crop losses and any other compensable losses have been assessed on a case-by case basis. An Environmental Impact Assessment has been undertaken to determine the anticipated environmental effects of the proposed development. It was determined that there is the potential for impact on local landscapes. These will vary depending on the viewpoints, and in some cases are beneficial due to the dismantling of some existing OHL. To minimise adverse impacts, the Holford Rules have been applied, in this case, particularly avoiding hill summits and elevated ridgelines, and the utilisation of opportunities to backcloth the Proposed Development against areas of woodland / forestry.

Feedback	Response
Impact on wildlife Stakeholders raised concern on impact of the project on local wildlife	Wildlife and natural heritage criteria have formed a key component in the OHL alignment design and appraisal process. The large number and variety of natural heritage designations are noted. Wherever possible, the alignment has avoided designated sites (such as Special Protection Areas (SPA) or SAC) and ensured that buffers and clearance areas are left between the project and designated sites to reduce impacts where they cannot be completely avoided. The OHL design and access tracks have been progressed to avoid and reduce impacts on habitats and species as far as possible, including by avoiding areas of Ancient Woodland, LNCS and aquatic designations, habitats and species. Impacts upon wildlife were assessed in during the EIA process. It was determined that with the possible exception of impacts upon bird life, there was no reasonable likelihood of significant effects upon wildlife, and this was not considered past the scoping stage. It was determined that impacts associated with construction would be negligible. Embedded mitigation has been incorporated into the design of the Proposed Development to minimise the risk of bird collision during operation.
Impact on historically important landscapes	See table 4.2 above. The potential impact upon historically important landscapes has been considered within the EIAR. The majority of settings of historic assets have been considered to only be negligibly impacted. The setting of Balkemback Stone Circle Scheduled Monument may experience a moderate adverse effect upon its setting. During construction, there would be mitigation measures enforced via the Construction Environmental Management Plan (CEMP) which would minimise impacts upon this Scheduled Monument as far as is practicable.
Community Benefit Fund and compensation Stakeholders are sceptical about the Community Benefit Fund, suggesting that no fund could offset the impact of the project.	The Applicant understands that there are concerns about the potential impact on properties and businesses within the vicinity of its proposed OHL. It has sought to work closely with communities and engage with property owners and seek to mitigate impacts. As a regulated business, the Applicant is obliged to follow the statutory legal framework under the Electricity Act 1989 and Land Compensation (Scotland) Act 1963. The Applicant understands that there are concerns about the potential impact on properties and businesses within the vicinity of its proposed OHL. It has sought to work closely

Feedback	Response
	with communities and engage with property owners and seek to mitigate impacts. As a regulated business, the Applicant is obliged to follow the statutory legal framework under the Electricity Act 1989 and Land Compensation (Scotland) Act 1963. If property owners are entitled to compensation under the legal framework, the Applicant will assess any claim on a case-by-case basis under the direction of this legal framework. The community benefit fund will provide a direct opportunity for SSEN Transmission to work with local communities that will be affected by the proposal on a variety of local initiatives. These will directly support communities across the north of Scotland and will be community-led. The Applicant is actively committed to maximising opportunities to support local businesses and the economy throughout the construction phase and work with the main contractors to use local supply chains where possible. Project specific opportunities will be developed, and local partners identified as the project moves towards construction. The Applicant is grateful to all respondents that have suggested opportunities that might be useful for the area. It continues to encourage suggestions to be made and is looking for opportunities to provide support to local groups and organisations. It will carefully consider how to ensure that the local community benefits from the proposed project. The Applicant also intends to support local community initiatives through job creation, career opportunities, its housing strategy and through environmental enhancement.
Visual impact of overhead lines	It is acknowledged that with new transmission infrastructure there will be a change to the landscape setting in the vicinity of the OHL. As such, consideration of the landscape was undertaken at the outset of the potential alignment design and appraisal process. The development of the OHL potential alignment design has sought to carefully consider key elements of landscape setting and visual impacts on key views and receptors to integrate the project into the overall landscape and to minimise its prominence as far as possible. An Environmental Impact Assessment Report (EIAR) has been prepared which includes a specific chapter for the LVIA and also considers wider cumulative impacts against the backdrop of other existing and planned infrastructure in the area. The EIAR also includes photomontages showing

Feedback	Response
	visual projections of the appearance of the OHL at each key viewpoint.
Technology choice Many stakeholders advocate for underground cabling instead of overhead pylons, due to concerns about environmental impact, visual pollution, and community disruption.	Many respondents to our consultation questioned the OHL technology choice, particularly why the infrastructure cannot all be installed subsea or underground, instead of OHL and steel lattice towers. Our approach to determining how the transmission network is developed is underpinned by our statutory obligations, as set out in the Electricity Act 1989. This requires us to balance technical, cost and environmental considerations and to select a proposed option which is economically viable, technically feasible, minimises impacts on important resources or features of the environment and reduces disturbance to those living in it, working in it, visiting it or using it for recreational purposes. The option must also be capable of being granted consent by The Scottish Government's Energy Consents Unit (ECU). Even if technically feasible, underground cables over a significant length, or the entirety, of a project would be unreasonable as it would be contrary to our licence obligations to be economical and efficient in respect of additional costs to the end consumer, while presenting an additional risk to the electricity transmission network in the event of cable failure and consequent outages.

5. CONCLUSIONS

5.1.1 This PAC Report documents the consultation undertaken with statutory and non-statutory consultees as well as the public across the two consultation event stages (PAC 1 and PAC 2) of the two short sections of parallel 275 kV OHL 'tiebacks', the East TT and West TT, between Emmock and existing Tealing substations, now submitted to the Scottish Government Energy Consents Unit as part of an application under Section 37 of the Electricity Act 1989.

5.1.2 Pre-application consultation was planned with reference to the expectations of pre-application consultation described in the Scottish Government's Good Practice Guidance.

5.1.3 PAC 1 consultations were carried out at 12 Locations in September & October 2024, and via an online platform, following extensive publicity in local press, social media, direct email communications, mailouts, and the project website. A feedback period was then open for 11 weeks, following which, feedback was collated and analysed in the lead up to PAC 2 consultation events, which took place in February & March 2025.

5.1.4 Information in respect of both events was published by the project team and made available at the events themselves and online via the project website, including two consultation booklets, information banners, large format plans and maps, and information leaflets on various topics.

5.1.5 The consultation was designed to facilitate engagement with the local community, community councils, statutory authorities and Elected Members to invite feedback on the proposals, and latterly to provide summaries of feedback with a response from SSEN Transmission. A feedback period of 7 weeks was open following PAC 2 consultations, to capture any additional feedback.

5.1.6 The approach to public consultation has ensured that stakeholders and consultees have been given the opportunity to comment on the proposals and understand how feedback has been taken on. This has enabled locally important issues and concerns to be identified and subsequently considered in the preparation of the East and West TT Section 37 application.

APPENDICES

APPENDIX A – PAC 1 CONSULTATION BOOKLET

Scottish & Southern Electricity Networks

TRANSMISSION

Kintore to Tealing 400kV Overhead Line

Including Emmock and Tealing Section 37 Tie-Ins

Alignment Public Consultation Events

September/October 2024

ssen-transmission.co.uk/TKUP

Contents

Powering change together	3	Additional works	14
The Pathway to 2030	4	Our access strategy	16
About the Kintore - Tealing 400kV projects	6	3D visualisations	18
Emmock and Tealing section 37 tie-ins	7	Project timeline	20
Project location	8	Project alignment overview	22
The story so far	10	Have your say	24
Selecting an alignment	12	Your feedback	25
About the overhead line	14	Notes	27

The consultation events will be taking place on:

Monday 23 September, 1.30-6.30pm
Tealing Village Hall, Hall Road,
Inverdake, Tealing, DD4 0QW

Tuesday 24 September, 2-7pm
Royal Hotel, Wallace Suite,
33 Castle Street, Forfar, DD8 3AE

Wednesday 25 September, 2-7pm
Memus Community Hall,
Memus, Forfar, DD8 3TY

Thursday 26 September, 2-7pm
Brechin City Hall, 9 Swan Street,
Brechin, DD9 6EE

Monday 30 September, 2-7pm
Menmuir Hall, Brechin,
DD9 7RN

Tuesday 1 October, 1.30-6.30pm
Kintore Public Hall, 12 School Road,
Kintore, AB51 0UX

Wednesday 2 October, 2-7pm
Echt Hall, Echt, Westhill, AB32 6UL

Thursday 3 October, 2-7pm
Drumoak, Durris & Crathes
Bowling Club, Sunnyside Avenue,
Drumoak, AB31 5EF

Monday 7 October, 2-7pm
Drumlithie Village Hall,
Station Road, Drumlithie, AB39 3YT

Tuesday 8 October, 2-7pm
Stonehaven Town Hall, Allardice Street,
Stonehaven, AB39 2BU

Wednesday 9 October, 2-7pm
Dickson Memorial Hall, Station Road,
Laurencekirk, AB30 1BE

Thursday 10 October, 2-7pm
Durris Kirkton Hall, Kirkton
of Durris, Banchory, AB31 6BP

Kintore to Tealing 400kV Overhead Line Alignment

Powering change together

The time has come to further enhance Scotland's energy infrastructure, providing power for future generations as we move towards net zero.

The shift to a cleaner, more sustainable future is about more than climate change. It's about ensuring future generations have the same opportunities to thrive as we have all had.

Countries around the world are investing in their energy infrastructure to support the demands of modern economies and meet net zero targets. The UK is leading the way in building a modern, sustainable energy system for the future.

We all have a part to play

When it comes to net zero, we have to be in it together. The UK and Scottish Governments have ambitious net zero targets, and we're playing our part in meeting them.

We work closely with National Grid Electricity System Operator to connect vast renewable energy resources – harnessed by solar, wind, hydro and marine generation – to areas of demand across the country. Scotland is playing a big role in meeting this demand, exporting two-thirds of power generated in our network.

But there's more to be done. By 2050, the north of Scotland is predicted to contribute over 50GW of low carbon energy to help deliver net zero. Today, our region has around 9GW of renewable generation connected to the network.

At SSEN Transmission, it is our role to build the energy system of the future.

We're investing £20 billion into our region's energy infrastructure this decade, powering more than ten million UK homes and 20,000 jobs, 9,000 of which will be here in Scotland.

Find out more

Scan the QR code with your smartphone to find out more about how these policies have been assessed and determined.

Who we are

We're responsible for maintaining and investing in the electricity transmission network in the north of Scotland. We're part of SSE plc, one of the world's leading energy companies with a rich heritage in Scotland that dates back more than 80 years. We are also closely regulated by the GB energy regulator Ofgem, who determines how much revenue we are allowed to earn for constructing, maintaining and renovating our transmission network

What we do

We manage the electricity transmission network across our region which covers a quarter of the UK's landmass, crossing some of the country's most challenging terrain. We connect renewable energy sources to our network in the north of Scotland and then transport it to where it needs to be. From underground and subsea cables, overhead lines (OHLs) to electricity substations, our network keeps your lights on all year round.

Working with you

We understand that the work we do can have an impact on communities. So we're committed to minimising our impacts and maximising all the benefits that our local developments can bring to your area. We're regularly assessed by global sustainability consultancy AccountAbility for how we engage with communities. That means we provide all the information you need to know about our plans and how they will impact communities like yours. We want to hear people's views, concerns, or ideas and harness local knowledge so that our work benefits their communities: today and long into the future. You can share your views with us at: **ssen-transmission.co.uk/talk-to-us/contact-us**

The Pathway to 2030

Building the energy system of the future will require a delivery of significant infrastructure over the next few years. In partnership with the UK and Scottish Governments, we're committed to meeting our obligation of connecting new, renewable energy to where it's needed by 2030.

Achieving net zero

By 2030, both the UK and Scottish governments are targeting a big expansion in offshore wind generation of 50GW and 11GW respectively. The Scottish Government has also set ambitious targets for an additional 12GW of onshore wind by 2030.

Across Great Britain, including the north of Scotland, there needs to be a significant increase in the capacity of the onshore electricity transmission infrastructure to deliver these 2030 targets and a pathway to net zero.

Securing our energy future

And it's not just about net zero. It's also about building a homegrown energy system, so that geopolitical turmoil around the world doesn't severely impact the UK and push up energy prices.

The UK Government's British Energy Security Strategy further underlines the need for this infrastructure, setting out plans to accelerate homegrown power for greater energy independence. The strategy aims to reduce the UK's dependence on and price exposure to global gas wholesale markets through the deployment of homegrown low carbon electricity generation supported by robust electricity network infrastructure.

Meeting our 2030 targets

In July 2022, National Grid, the Electricity System Operator (ESO), published the Pathway to 2030 Holistic Network Design (HND). This set out the blueprint for the onshore and offshore transmission infrastructure that's required to support the forecasted growth in the UK's renewable electricity. It's an ambitious plan that will help the UK achieve net zero.

What does this mean for you?

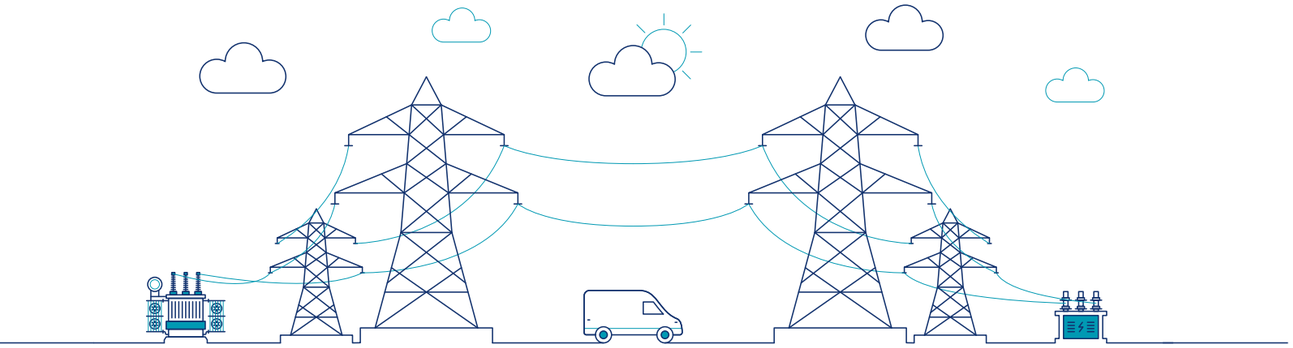
The East of Scotland will play a key role in meeting these goals. The extensive studies that informed the ESO's Pathway to 2030 HND confirmed the requirement to increase the power transfer capacity of the onshore corridor from Kintore to Tealing.

This requires a 400kV connection between these sites to enable the significant capability needed to take power from onshore and large scale offshore renewable generation, connecting on the East Coast of Scotland before transporting power to areas of demand.

As part of these plans, we're proposing to build a new 400kV OHL between Kintore and Tealing. This also requires two new 400kV substations to be constructed in Fetteresso Forest (Hurlie) and Tealing (Emmock) to enable future connections and export routes to areas of demand.

In addition, two of the existing 275kV OHLs out of the existing Tealing substation to Alyth and Westfield require upgrades to 400kV operation and to be connected to the proposed new Emmock 400kV site.

These five projects, collectively are called the Kintore to Tealing 400kV projects, and are seen as critical to enable the delivery of the UK and Scottish Government's targets.



Kintore to Tealing 400kV Overhead Line Alignment

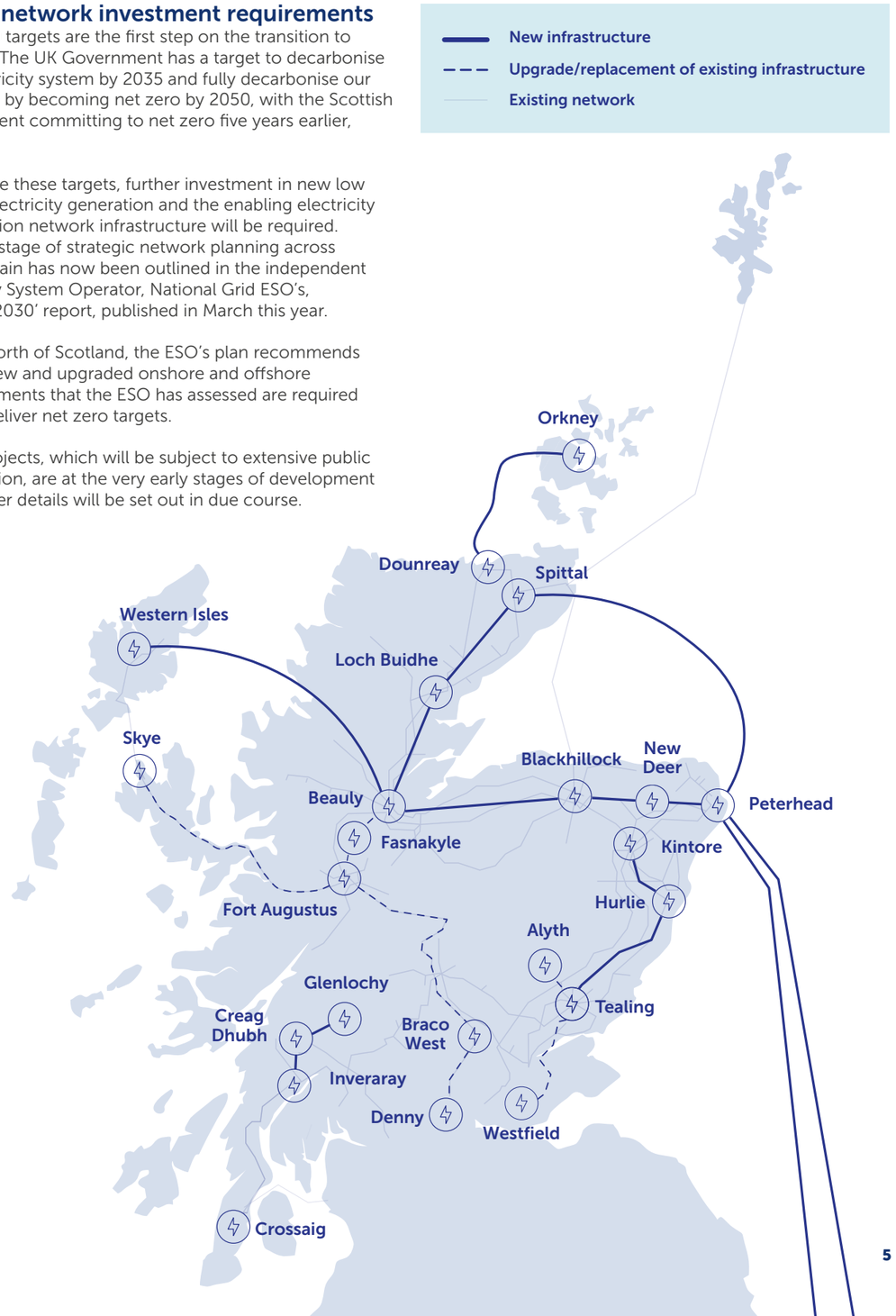
Future network investment requirements

Our 2030 targets are the first step on the transition to net zero. The UK Government has a target to decarbonise our electricity system by 2035 and fully decarbonise our economy by becoming net zero by 2050, with the Scottish Government committing to net zero five years earlier, by 2045.

To achieve these targets, further investment in new low carbon electricity generation and the enabling electricity transmission network infrastructure will be required. The next stage of strategic network planning across Great Britain has now been outlined in the independent Electricity System Operator, National Grid ESO's, 'Beyond 2030' report, published in March this year.

For the north of Scotland, the ESO's plan recommends several new and upgraded onshore and offshore reinforcements that the ESO has assessed are required to help deliver net zero targets.

These projects, which will be subject to extensive public consultation, are at the very early stages of development and further details will be set out in due course.



About the Kintore - Tealing 400kV projects

The Kintore - Tealing 400kV project consists of five key onshore projects comprising of works to develop new infrastructure and upgrade existing infrastructure in both SSEN Transmission and Scottish Power Transmission's areas.

Due to the criticality of these works, there is a requirement for accelerated development and delivery to meet the 2030 connection dates.

Kintore - Tealing 400kV OHL connection

This requires the construction of a new 400kV OHL approximately 107km in length. This is split into two sections:

- Approximately 35km between the 400kV substation currently under construction at Kintore and the proposed new 400kV Hurlie substation.
- Approximately 72km between Hurlie and the proposed new 400kV Emmock substation.

Emmock 400kV substation

A new 400kV substation is essential to enable the connection of the proposed Kintore - Tealing 400kV OHL as well as allowing the upgraded Alyth - Tealing and Tealing - Westfield OHLs to connect at 400kV.

Tealing has been selected as the preferred area as it reuses existing infrastructure via Westfield and Alyth down to Kincardine that can be upgraded to 400kV operation.

A new substation site near Tealing, close to the existing Tealing substation, minimises the requirement for new infrastructure.

Hurlie 400kV substation

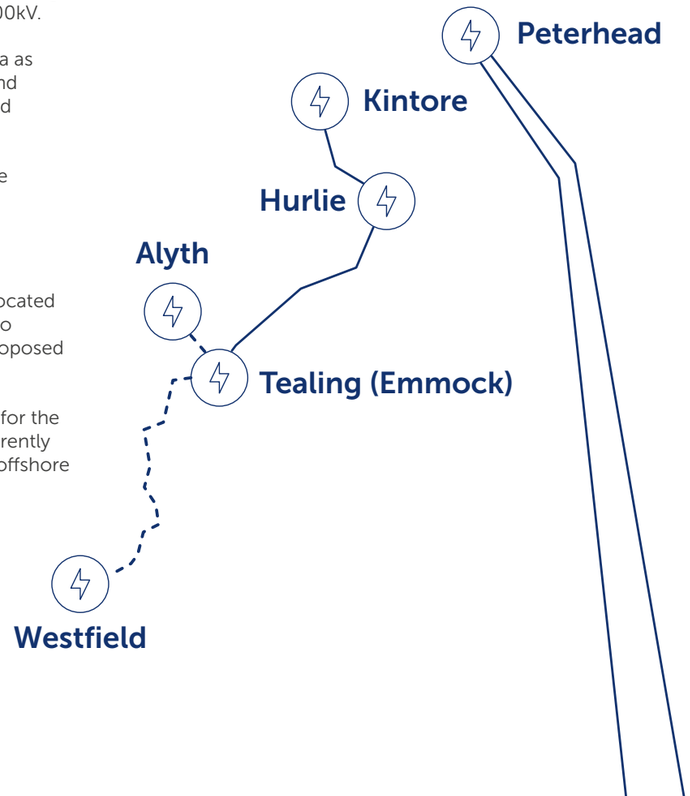
A new 400kV substation, known as Hurlie, is located near the existing 132kV substation in Fetteresso Forest to provide a connection for the new proposed Kintore - Tealing 400kV OHL.

Hurlie also provides an onshore landing point for the proposed co-ordinated Offshore Network currently being developed which is intended to deliver offshore connections more efficiently.

Upgrade to 400kV for Alyth - Tealing and Tealing - Westfield OHL

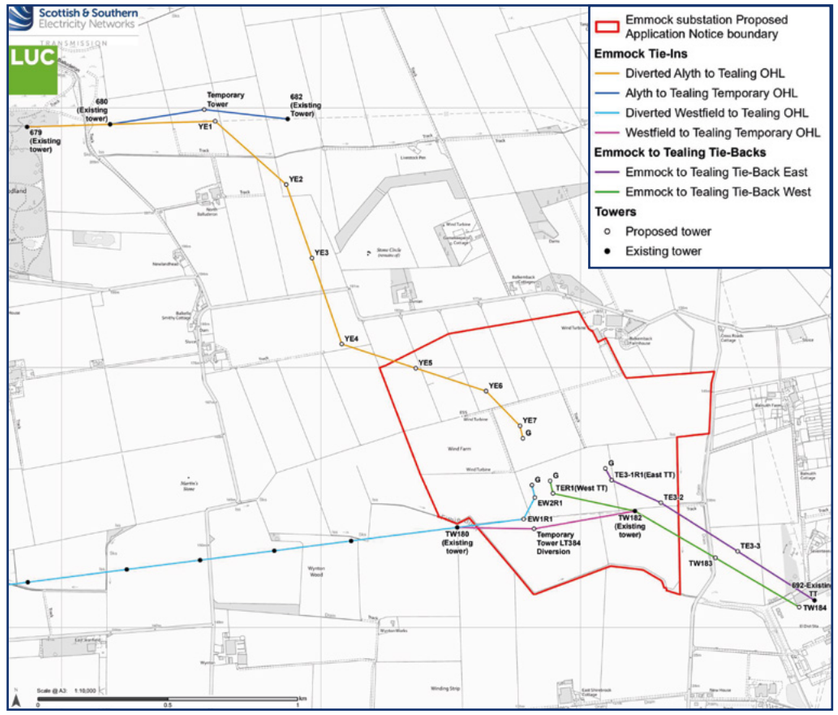
To support the increased capacity from the proposed Kintore - Tealing 400kV OHL, the export routes to areas of demand must be upgraded to 400kV. This means the existing Alyth - Tealing and Tealing - Westfield OHLs, which currently operate at 275kV need to be upgraded to operate at 400kV.

This is known as 'reconductoring' and is achieved by replacing the existing conductors with larger capacity conductors. Once upgraded these lines will connect into the proposed new 400kV substation at Tealing (Emmock).



Kintore to Tealing 400kV Overhead Line Alignment

Emmock and Tealing section 37 tie-ins



Consult our maps

We've split our maps into sections so that you can refer to the areas of most interest to you in clearer detail.

Copies will be available at the consultation to take away with you, or alternatively you can download the copies you need from our project webpage.

The Emmock and Tealing tie-ins comprises the diversion of short sections of the Alyth to Tealing (A-T OHL) and Westfield to Tealing (W-T OHL) 275kV OHLs, which currently connect at their eastern extent with the existing Tealing 275kV substation, to connect with the proposed Emmock 400kV substation.

Consent for this work will be applied for via a standalone section 37 application under the Electricity Act 1989 to Scottish Ministers. Consent is also sought under the same application for the installation of two short sections of parallel 275kV OHL 'tiebacks' between Emmock substation (assuming it is consented) and Tealing substation.

The project is being planned in parallel with separate SSEN Transmission projects to reconductor both of the above-mentioned 275kV OHLs to 400kV for tie-in to Emmock substation.

The key issues arising from this project are likely to be landscape and visual and cumulative impacts arising from the other proposed electrical infrastructure in the area.

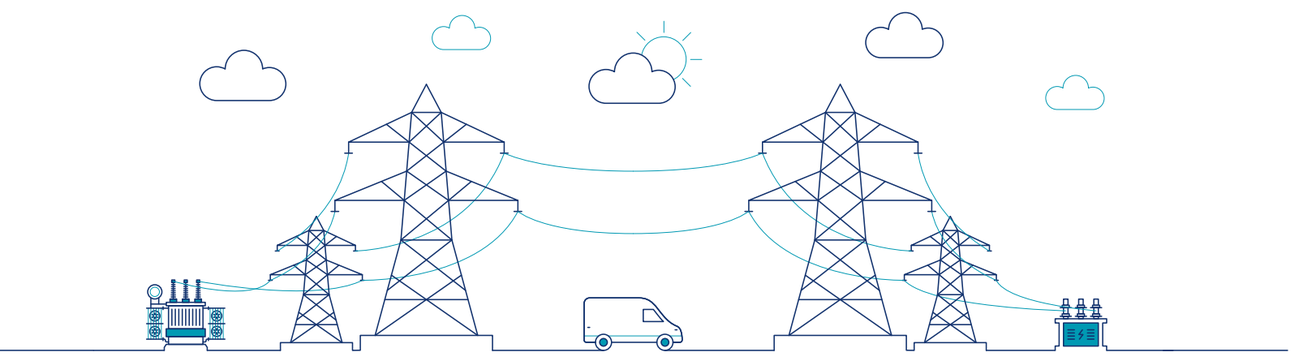
The project is essential to the completion of the Kintore to Tealing projects, as it would provide the tie-ins for the reconductored A-T OHL and W-T OHL to the proposed Emmock substation as part of the upgraded 400kV transmission infrastructure. This would allow power to keep flowing whilst the wider upgrade works are undertaken.

An Environmental Impact Assessment (EIA) Screening Request was submitted in August 2024, and an Environmental Appraisal of the project is due to be undertaken in the coming months to support a section 37 application to Scottish Ministers, this is expected to be submitted in early 2025. It is anticipated a decision will be made later that year and we expect to commence construction in 2026.

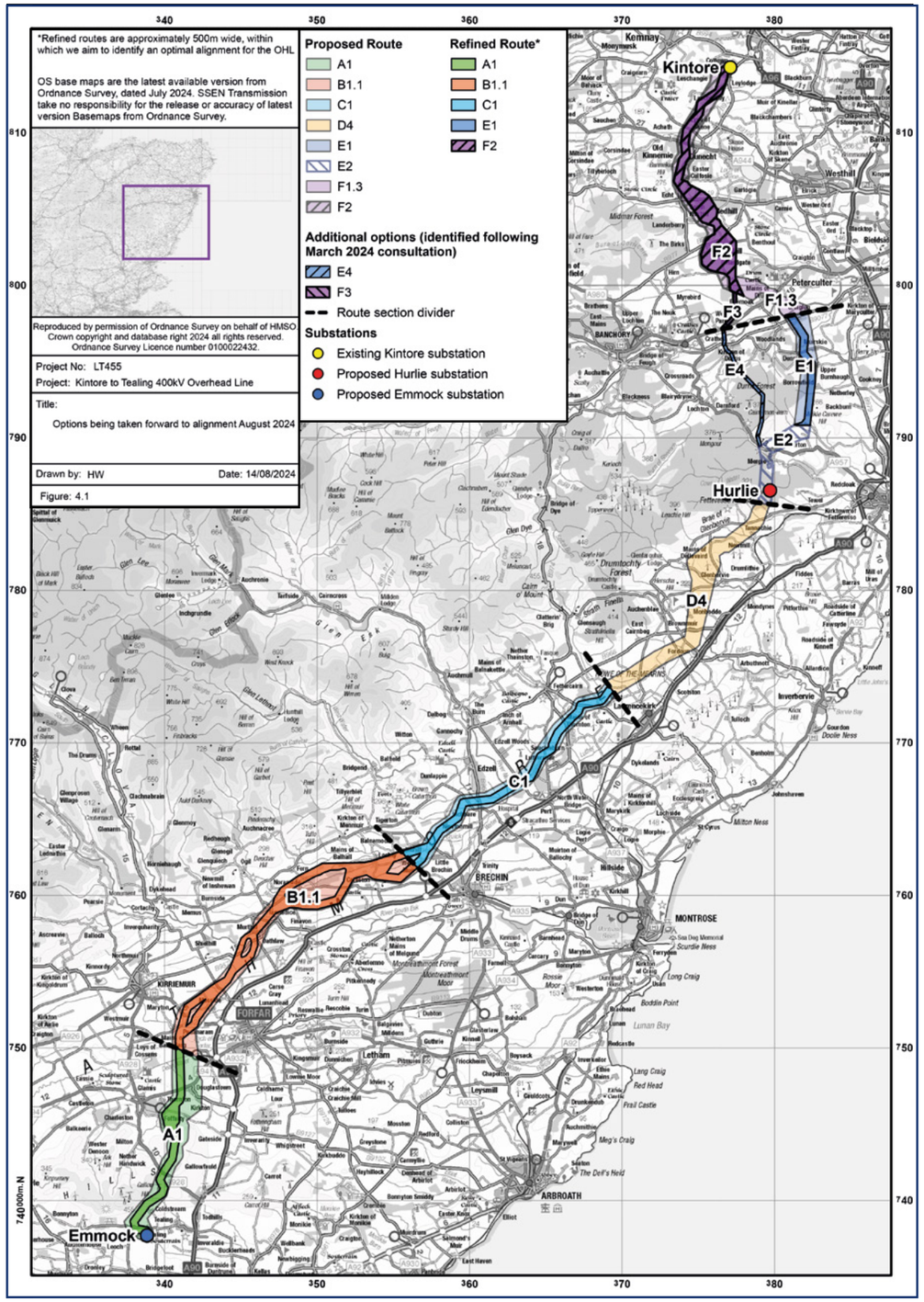
Project location

Our overhead line project spans around 107km and we split the project into six sections at the routeing stage. As we've worked towards a Potential Alignment, we've identified locations where there are alignment options which have different constraints. More detail on the options is available in the handouts and in the Consultation Document, please see **ssen-transmission.co.uk/TKUP**

Location	Routeing stage section (see figure from Report on Consultation August 2024 opposite for options being taken forward to alignment)	Alignment stage options (see figure showing location of alternative alignments options on pages 22 & 23)
Tealing (Emmock) to Forfar	Section A (Route A1)	**Potential Alignment** Location 1: Hayston Hill - 2 Alternative Alignments (1a and 2a)
Forfar to Brechin	Section B (Route B1.1)	**Potential Alignment** Location 2: Padanaram - 2 Alternative Alignments (2a and 2b) Location 3: Justinhaugh - 2 Alternative Alignments (3a and 3b) Location 4: Careston - 5 Alternative Alignments (4a, 4b, 4c, 4d and 4e)
Brechin to Laurencekirk	Section C (Route C1)	**Potential Alignment** No Alternative Alignments
Laurencekirk to Hurlie	Section D (Route D4)	**Potential Alignment** No Alternative Alignments
Hurlie to River Dee	Section E (Route E1, E2 and E4)	**Potential Alignment** Location 5: Durris (including part of Section F) - 2 Alternative Alignments (5a and 5b)
River Dee to Kintore	Section F (Route F1.3, F2 and F3)	**Potential Alignment** Location 6: North of Drumoak - 3 Alternative Alignments (6a, 6b and 6c) Location 7: Schoolhill - 3 Alternative Alignments (7a, 7b and 7c) Location 8: Echt - 3 Alternative Alignments (8a, 8b and 8c)



Kintore to Tealing 400kV Overhead Line Alignment



The story so far

May 2023

We first introduced this project in May 2023, consulting on route corridors and route options.

March 2024

We held further public consultations where we presented new route options in Sections D, E and F following the change in location of Hurlie 400kV substation. We requested feedback on these potential route options and further updates to the refined routes.

April 2024

The consultation closed on 30 April 2024, with 1,610 written responses received.

August 2024

We published a Report on Consultation confirming the proposed route options being taken forward to alignment and detailing how consultation has informed this process.

September/October 2024

Alignment consultation events.

Why we're here today

We are currently at the alignment stage of project development. This is when we have lines on the map showing our alignment options and clear proposals for where the line is likely to go rather than the routes previously presented which are typically around 1km wide.

Over the past months, we have developed these alignments by carrying out further studies and assessments following consultation feedback and through engagement with landowners and wider stakeholders.

This consultation will focus on our alignment options, one of which is being presented as the Potential Alignment option and will include further information on how this option has been chosen as the potential one.

We welcome your feedback on these alignment options and will review all feedback received to inform the final design of the project.

We are here

Stage 1: Corridor selection — **Stage 2:** Route selection — **Stage 3:** Alignment selection

Help shape our plans

The work we have planned is significant and has the potential to deliver massive benefits in your community, Scotland, and beyond. Yet we know that achieving our goals will require a lot of work that will impact your lives. That's why we want to work with you every step of the way throughout the planning and delivery stages of these essential and ambitious works.

We're committed to delivering a meaningful consultation process that actively seeks the views of everyone affected by our plans. That means making our plans clear and easily accessible, so that you can give us input throughout each stage of the development process.

Throughout the consultation, we'll present our approach to developing the project, including changes made since we last engaged with you. We will be sharing our Potential Alignment for the overhead line, with alternative alignment options in some locations, alongside indicative tower positions presented through maps and visualisations.

These will all also be available to view and download from our project website.

Kintore to Tealing 400kV Overhead Line Alignment

What we are seeking views on

We want you to share your thoughts and opinions on our plans, where you think we can make improvements, concerns about the impact of our work and what you think of the refinements or changes we've made.

If you live adjacent to the Potential Alignment, in particular we want to work with you to discuss potential impacts and mitigation.

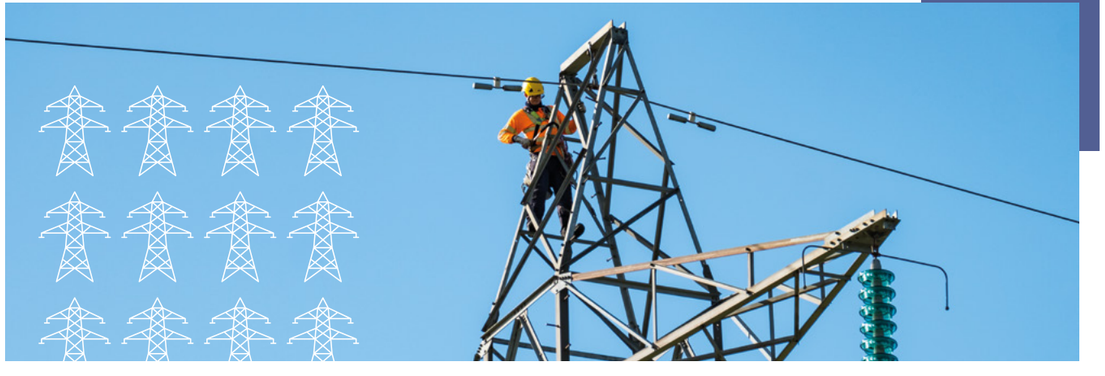
By telling us what you think, you will help shape our proposals. We want to harness your local knowledge so that we spot any unforeseen challenges early and maximise the potential benefits and opportunities for your communities.

Ultimately, we want to work with you to ensure that the energy infrastructure we build will be the best it can possibly be.

What we are seeking views on

As well as communities, we are keen to hear feedback from a broad range of other stakeholders including but not limited to landowners, businesses, non-statutory consultees and statutory consultees such as local authorities, NatureScot, Scottish Environment Protection Agency (SEPA), Historic Environment Scotland (HES) and Scottish Forestry.

Scan the QR code to visit the project webpage and feedback form.



Selecting an alignment

The consideration of alignment options and design solutions brings together work by four main disciplines:

Engineering Team

Who identify engineering constraints and where overhead lines and cables can be installed from a construction and operational perspective.

Key considerations include:

- Infrastructure crossings
- Environmental design
- Ground conditions
- Accessibility
- Proximity to existing infrastructure and properties

Environmental Team

Who identify key environmental constraints along the routes which the new infrastructure could impact upon.

Key considerations include:

- Engagement with statutory consultees and planning authorities
- Results of specialist environmental archaeology, ornithology, ecology, geology and hydrology surveys
- Local environmental aspects like visual amenity and landscape character, Scheduled Monuments, Special Protected Areas, Specials Areas of Conservation and Sites of Special Scientific Interest
- Peat, ground conditions and the water environment
- Land use, including agriculture, forestry and recreation
- Proximity to residential properties and other sensitive receptors

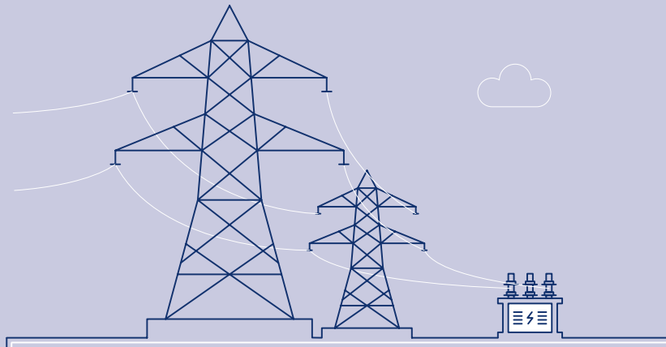
Kintore to Tealing 400kV Overhead Line Alignment

Communities Team

Who work with communities and make sure that their feedback during the consultation process is closely considered during project refinement.

Key considerations include:

- Community engagement
- Consultation responses review
- Recreational areas and areas of local interest



Land Team

Who engage with landowners to identify key land use constraints.

Key considerations include:

- Landowner engagement
- Mitigating effects of infrastructure on land and properties
- Reaching land agreements

Striking a balance

When selecting an alignment, we need to carefully balance key considerations relating to engineering, environment and cost, in each section of the overhead line route.

We then consider the likely effect and level of impact of each consideration, which will vary from section to section.

This can be based on how populated the area is, the outcomes of environmental and engineering surveys, stakeholder and community feedback, the presence of peat, the local water environment, if there is existing infrastructure we need to avoid, if the effects on land and property can be mitigated and if a constructable alignment can be identified.

Ultimately, we need to balance a range of factors and present the solution we consider most viable, to then put forward for consultation. We have now identified a Potential Alignment alongside indicative tower locations which we are seeking your views on.

Our Alignment Selection Consultation Document describes the alignment options and comparative appraisal of each option in detail, and this can be downloaded from the project webpage or viewed during the consultation events.

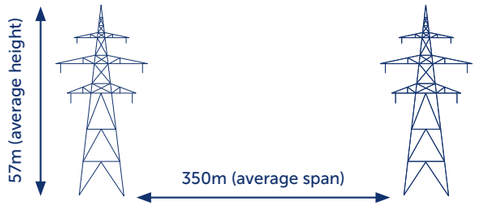
You can download our Alignment Maps, Alignment Consultation Document and Routeing Process from our website: **ssen-transmission.co.uk/TKUP**

About the overhead line

400kV double circuit overhead line

The required technology for the new 400kV link between Kintore - Hurlie - Emmock has been determined to be a new double circuit 400kV HVAC (High Voltage Alternating Current) overhead line.

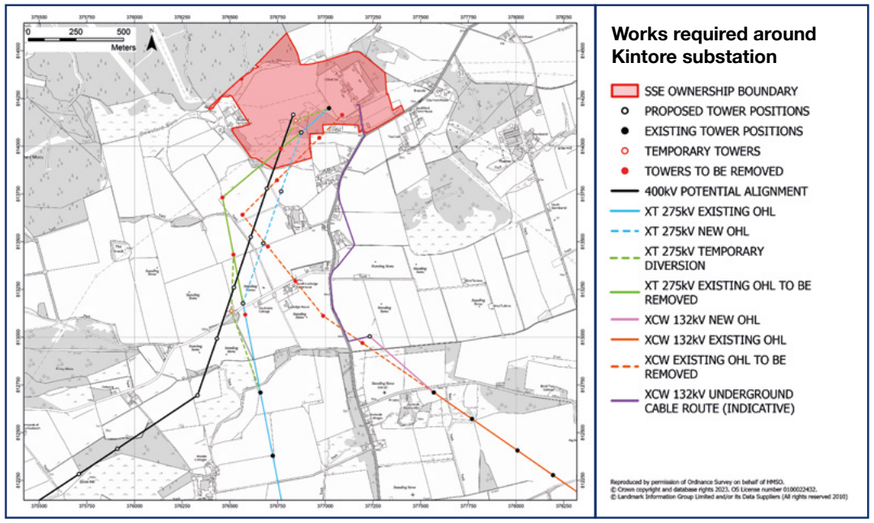
The overhead line would consist of steel lattice towers with an average height of approximately 57m which would support six conductor bundles on six cross arms and an earth wire between the peaks for lightning protection. The average distance between towers is expected to be 350m. Tower height and the distance between them will vary dependent on several factors such as altitude, climatic conditions and topography. This is similar to our Beauly—Denny line, where 80% of its 600-plus towers are below 57m, ranging from 42m to 65m in height.



Additional works

In addition to the new double circuit overhead line and towers, the project will require a number of additional works. These are currently expected to include:

- Temporary overhead line diversions at a number of locations including near Emmock substation, south of Echt, south and west of Kirkton of Durris (should the Potential Alignment be taken forward) and near Kintore.
- Sections of 132kV underground cabling near Kintore substation and potentially south of Echt (depending on arrangement of existing 132kV overhead crossing).
- New overhead line arrangements at Emmock substation to tie in the new Kintore to Tealing overhead line, the overhead lines to Alyth and Westfield and the connection between the new Emmock and existing Tealing substations. Modification of existing lines will be undertaken where possible but new structures will also be required. Any redundant structures will be removed. Please see more information on the tie-ins required at Emmock and Tealing on page 7.
- Modification of existing circuits at Kintore to allow space for the new OHL connection and removal of redundant towers. This will involve realignment of one circuit and undergrounding of another. See figure below.
- A crossing of the existing 132kV overhead line south of Echt and removal of redundant towers near Tealing substation. For more information on OHL crossings please see **Tower Crossings**.
- Permanent realignment of the existing OHL between Kintore and Fetteresso, near Kirkton of Durris, to allow provision for the new proposed 400kV OHL (should the Potential Alignment be taken forward).



Kintore to Tealing 400kV Overhead Line Alignment

The challenges with undergrounding at 400kV

The environmental, technical, and operational constraints associated with undergrounding at 400kV make it extremely challenging to deliver in many areas of Scotland. For underground cables at this capacity, longer than 1-2km, additional substation infrastructure would also be needed, enlarging the project's footprint.

Underground cables at 400kV are estimated to be between 5 and 10 times more expensive than overhead lines, and since these costs are reflected in consumer bills, it's a factor that needs to be considered.

To deliver the necessary capacity, up to 30 parallel cables would be required. To achieve the required spacing, a trench of over 40m wide would need to be excavated, typically between 1m and 7m deep. During construction, a working corridor of over 70m wide is required for cable installation. This can result in significant land use constraints, typically more so than overhead line construction activities, particularly for farming operations.

Between 5-10x More expensive than overhead lines

Up to 30 Parallel cables required

Trench of over 40m wide and 1-7m deep would need to be excavated

Over 70m wide working corridor, which can result in significant land use constraints

Why can't the development be placed offshore?

In its assessment of what is required to meet 2030 targets, National Grid ESO concluded there is a need for both onshore and offshore projects.

Overhead lines can carry roughly three times more power than subsea cables, making them more efficient and cost effective for energy bill payers, whilst technical challenges and constraints limit the use of only offshore solutions.

Moreover, onshore energy infrastructure helps support local electricity needs and improves the network's reliability across northern Scotland.

Visit our Frequently Asked Questions page to find out more about our engineering and technology considerations including more details regarding underground and offshore cables: **ssen-transmission.co.uk/2030faqs**

Managing construction impacts

We are committed to minimising the impact of construction through avoiding potential issues by designing them out, undertaking thorough environmental assessments and working closely with the local community. Our focus includes mitigating effects, for example to people, biodiversity, water, soil, and traffic disturbances. A Construction Environment Management Plan will be set up, to ensure mitigation is put in place and its effectiveness is monitored throughout the construction phase.

During construction, expected short-term impacts may include noise and traffic disruptions. Before starting, we'll have a plan to manage these, including organising deliveries and travel to avoid busy times and sensitive areas.

We'll work closely with community groups and contractors to ensure adherence to mitigation measures. Typically, most project components will take around four years to complete, however these works will be phased across the length of the overhead line with bursts of activity and quiet periods.

Our access strategy

Constructing and maintaining our overhead line

We are currently developing our access strategy, which considers access requirements for construction and maintenance of the overhead line. Access requirements have informed the alignment appraisal process, as a key engineering consideration. Preliminary access routes to indicative tower locations have been appraised but these may change following feedback and design refinement, and we will present final proposed access routes at our pre-application events early next year.

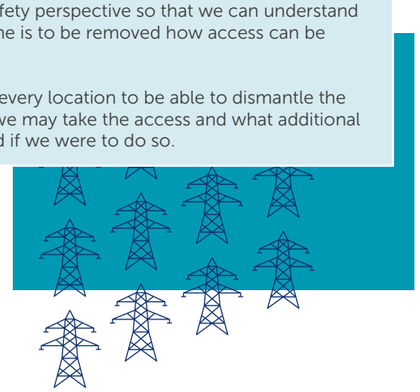
A detailed traffic and transport assessment will form part of the Environmental Impact Assessment (EIA), which assesses potential impacts of construction traffic and the capacity of local roads to accommodate this traffic.

A Construction Traffic Management Plan (CTMP) will be agreed with the relevant authorities prior to works commencing.

Kintore to Tealing 400kV Overhead Line Alignment

The table below explains the different types of tracks that are typically considered and what they are required for.

Type of access	What does it mean?
Construction access	During construction, stone tracks would typically be used to gain access to each of the tower locations. This would normally be temporary except in locations where it is considered that it needs to be retained to maintain safe access for future requirements. There are different types of construction access tracks, these include cut tracks, surface tracks and floated roads. Each provide different benefits depending on the ground conditions in the area. A typical access track would be of a minimum 4m in width however this could be wider in areas where heavy plant require access.
Statutory inspection and general maintenance access	When designing the overhead lines, we need to consider how our operational teams will get back to the locations in the future to carry out routine inspections and maintenance. Operational access would normally consist of an off-road 4x4 vehicle with a trailer being able to reach each tower. If we consider it not possible for a 4x4 to be capable of doing this, we would need to consider alternative access either by identifying a route where temporary panelling can be installed as and when required or through construction of a permanent track. In open fields with no poor ground conditions and generally accessible terrain no additional permanent access would normally be required.
Heavy maintenance access	This covers if any future refurbishment or modifications would be required for the line. For this we have to consider what locations heavy plant would need to be able to access and have plans on how they would get to these locations. Typically, the main focus here is access to the angle towers. At angle towers this is where the overhead line conductors get pulled onto the towers so additional access and space is needed in these locations during construction to carry this out. Where these locations cannot be easily accessed, we would look to retain permanent access so that if a conductor needed replaced in the future this could be carried out safely whilst minimising the timeframes required to perform the maintenance.
Demolition access	This is required from a health and safety perspective so that we can understand that if at some point the overhead line is to be removed how access can be gained safely to do so. This doesn't mean having access to every location to be able to dismantle the towers, but it should consider how we may take the access and what additional roads or panelling would be required if we were to do so.



3D visualisations

We understand that local stakeholders need to be able to visualise what the development may look like in their local area. We've provided 3D visualisations which model the alignment options into the local landscape to help understanding of the proposals in terms of the visual impact, distance and height.

The following are some images taken from the 3D model created for the overhead line from a range of different angles.

To find the portal with 3D visualisations, scan the QR code or visit the following URL:
ssen-transmission.co.uk/TKUP

Overhead line in distance crossing a river

To get a better sense of the proposals in full, a portal containing visualisations is also available to view from the project webpage and our consultants, 3D Webtech, will be assisting us at our consultation events with copies of the model that attendees can interact with during the events.

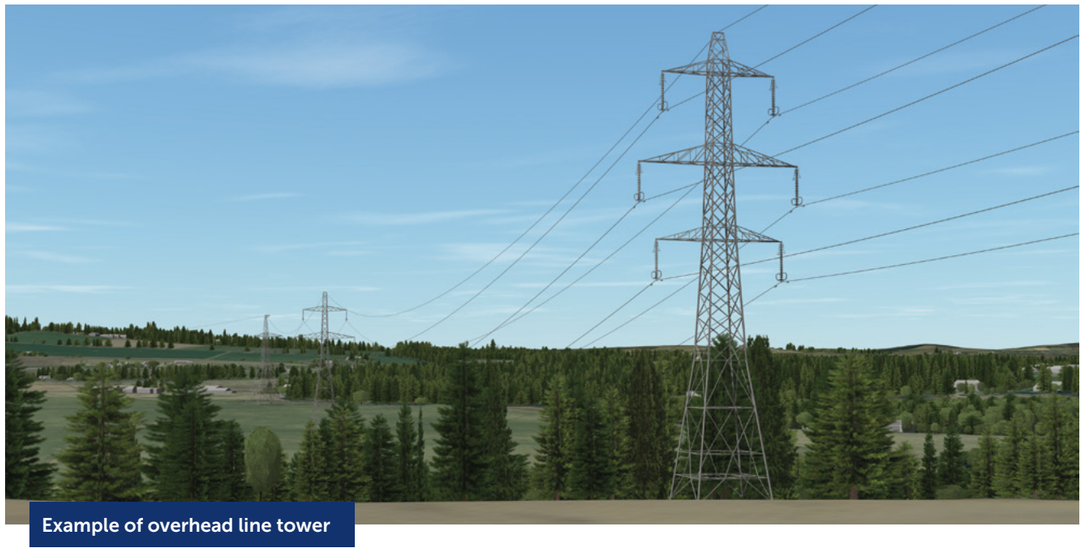
The 3D model has been developed using indicative tower locations, identified by our contractor following walkover surveys of the alignment options. The exact location, design and height of each individual tower may change based on feedback and further refinement of the design. If that happens, we'll update our model and visualisations and share these on our webpage and with you at the next series of consultation events.

Kintore to Tealing 400kV Overhead Line Alignment

Photomontages

Photomontage visualisations will also be produced as part of the Environmental Impact Assessment (EIA). Once the EIA is completed, we'll ensure these photomontages are available to view.

Overhead line crossing agricultural land



Example of overhead line tower

Kintore to Tealing 400kV Overhead Line Alignment

Project timeline

2022
- Project need and scope confirmed
- OHL Corridor and route options appraisal started

2023
- Environmental and engineering surveys: ongoing
- Early 2023: Corridor/route development
- Spring: Public consultation events (Corridor/route)
- Late 2023: Further route refinement

2024
- Environmental Impact Assessment scoping
- Environmental and engineering surveys continue

2024 (continued)
- Land negotiations: ongoing
- Additional routeing consultation and consultation on alignment
- Environmental Impact Assessment

2025
- Environmental Impact Assessment report preparation
- Pre-application consultation
- Section 37 application submitted

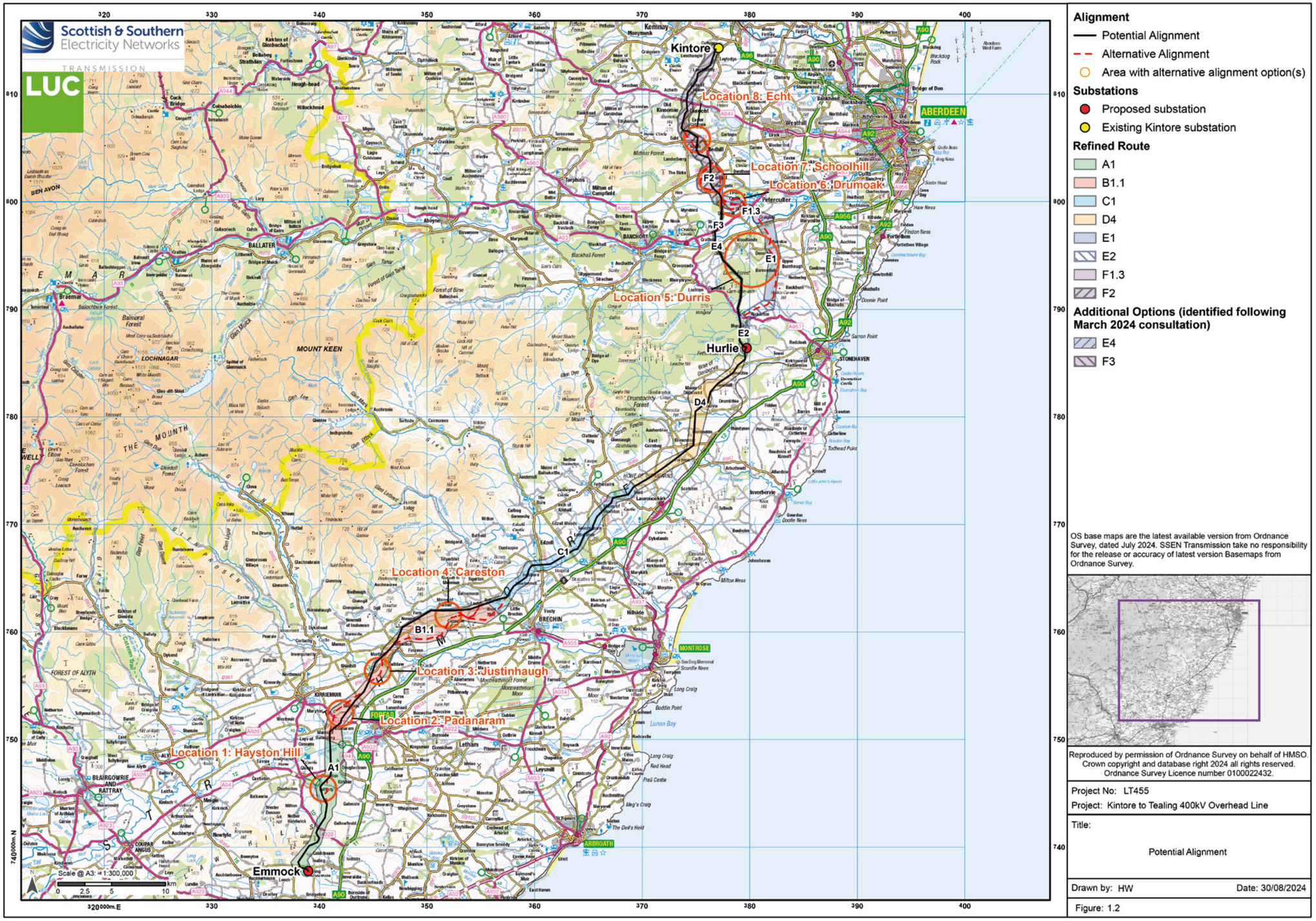
2026
- Receive consents decision
- Agree discharge of consent conditions if successful consent received
- Proposed construction start

2027-2029
- Phased construction: ongoing

2030
- Construction complete and energisation Kintore to Tealing 400kV OHL

Kintore to Tealing 400kV Overhead Line Alignment

Potential Alignment overview



Please see project website **ssen-transmission.co.uk/TKUP** for detailed maps of each section and alternative alignment options.

Have your say

We value community and stakeholder feedback. Without this, we would be unable to progress projects and reach a balanced proposal.

The feedback period

We will accept feedback from now until 21 November 2024.

How to provide feedback

Submit your feedback online by:

- Scanning the QR code on this page or via the form on our project webpage at: ssen-transmission.co.uk/TKUP
- Emailing the feedback form to the Community Liaison Manager, or;
- Write to us enclosing the feedback form in this booklet.

Our Community Liaison Team

Each project has a dedicated Community Liaison Manager who works closely with community members to make sure they are well informed of our proposals and that their views, concerns, questions, or suggestions are put to our project teams.

Throughout the life of our projects, you will hear from us regularly. We aim to establish strong working relationships by being accessible to key local stakeholders such as community councils, residents' associations, and development trusts, and regularly engage with interested individuals.

Recite me

To support everyone online, we provide accessibility and language options on our website through 'Recite Me'. The accessibility and language support options provided by 'Recite Me' include text-to-speech functionality, fully customisable styling features, reading aids, and a translation tool with over 100 languages, including 35 text-to-speech.

Please select "Accessibility" on our website to try out our inclusive toolbar."

What we're seeking views on

Now that we have presented a Potential Alignment, we want you to share your thoughts and opinions on our plans, where you think we can make improvements, concerns about the impact of our work and what you think of any changes and refinements we've made. We particularly want to hear from you if you live close to the Potential Alignment.

We are actively looking to avoid and mitigate the impacts of the overhead line as much as possible over the coming months. It would be helpful to understand what you believe we should be doing to help minimise these impacts and if there are any opportunities to deliver local community benefits you would like us to consider.

During previous consultations we have received feedback on the need for the project and the alternative technology options. Whilst we acknowledge this feedback, we are keen to receive comments on the Potential Alignment and alternative alignment options.

We encourage all interested community members to fill in a feedback form when submitting feedback, however if you prefer, you can email us to provide your feedback or ask any questions. Comments made to the applicant during this consultation are not representations to the Scottish Ministers and if the applicant submits a section 37 application there will be an opportunity to make representations on that application to the Scottish Ministers.

Community Liaison Manager

The best way to contact us regarding this project is through our Community Liaison Team.

Rob Whytock

SSEN Transmission
200 Dunkeld Road,
Perth, PH1 3GH

tkup@sse.com

Additional information

The best way to keep up to date is to sign up to project updates via the project webpage: ssen-transmission.co.uk/TKUP

You can also follow us on social media

@ssentransmission @SSETransmission

Your feedback

Thank you for taking the time to read this consultation booklet. In order to record your views and improve the effectiveness of our consultation, please complete this short feedback form. We welcome your feedback on the following new OHL routes:

Please complete in BLOCK CAPITALS. (Please tick one box per question only)

Q1. Which consultation event did you attend? (Select all that apply)

☐ Tealing	☐ Forfar	☐ Memus	☐ Brechin	☐ Menmuir
☐ Kintore	☐ Echt	☐ Drumoak	☐ Drumlithie	☐ Stonehaven
☐ Laurencekirk	☐ Durris	☐ Accessed information online		☐ None

Q2. Is there a specific section of the overhead line alignment that you are interested in? Please detail name of section(s), alternative alignment option(s) or closest settlement

Comments:

Q3. Has the approach taken to select the Potential Alignment in your section of interest been clearly explained?

☐ Yes ☐ No ☐ Unsure

Comments:

Q4. Do you have any specific concerns relating to the alignment options within your section of interest? If so, is there anything we could do to mitigate the impact of this?

Comments:

Q5. Is there anything you'd like to bring to our attention regarding the Potential Alignment or alternative alignment that you believe we may not have already considered?

Comments:

Q6. **Do you feel, on balance, that the Potential Alignment selected is the most appropriate for further consideration at the Environmental Impact Assessment stage?**

☐ Yes ☐ No ☐ Unsure

Comments:

Q7. **SSEN Transmission are currently developing a Community Benefit Fund to support communities in areas with new infrastructure. What suggestions for social or environmental community benefit opportunities do you have that you would like us to consider, or are there any local initiatives you would like us to support?**

Comments:

Q8. **Do you have any questions that were not answered within our materials or by the project team on the day?**

Comments:

Full name: ..... **Telephone:** .....

Email: .....

Address: .....

We would like to send you relevant communications via email such as invitations to stakeholder events, surveys, updates on projects, services and future developments from the Scottish and Southern Electricity Networks group listed below. If you are happy to receive email updates please opt in by ticking the box below. You can unsubscribe at any time by contacting us at **stakeholder.admin@sse.com** or by clicking on the unsubscribe link that will be at the end of each of our emails.

☐ **If you would like to be kept informed of progress on the project, please tick this box**

Thank you for taking the time to complete this feedback form. Please submit your completed form by one of the methods below:
Post: FAO Rob Whytock - SSEN Transmission, 200 Dunkeld Road, Perth, PH1 3GH **Email:** tkup@sse.com **Online:** ssen-transmission.co.uk/TKUP

For information on how we collect and process your data please see our privacy notice available at today's event. This can also be obtained online at: **ssen-transmission.co.uk/privacy**

Comments forms and all the information from today's event will also be available to download from the project website.
We intend to use Artificial Intelligence (AI) to assist our experienced teams in the analysis of your feedback, so we can categorise key points raised more quickly. You can learn more about how we're utilising AI at**: ssen-transmission.co.uk/AIFAQ**

Any information given on the feedback form can be used and published anonymously as part of Scottish and Southern Electricity Networks consultation report. By completing this feedback form you consent to Scottish and Southern Electricity Networks using feedback for this purpose.

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having its Registered Office at Number One Forbury Place, 43 Forbury Road, Reading, Berkshire, RG1 3JH which are members of the SSE Group.

Kintore to Tealing 400kV Overhead Line Alignment

Notes

Scottish & Southern
Electricity Networks
TRANSMISSION

APPENDIX B – PAC 1 CONSULTATION BANNERS AND MAPS

Scottish & Southern Electricity Networks

TRANSMISSION

The Pathway to 2030

Building the energy system of the future will require a delivery of significant infrastructure over the next few years. In partnership with the UK and Scottish Governments, we're committed to meeting our obligation of connecting new, renewable energy to where it's needed by 2030.

Achieving net zero

By 2030, both the UK and Scottish governments are targeting a big expansion in offshore wind generation of 50GW and 11GW respectively. The Scottish Government has also set ambitious targets for an additional 12GW of onshore wind by 2030.

Across Great Britain, including the north of Scotland, there needs to be a significant increase in the capacity of the onshore electricity transmission infrastructure to deliver these 2030 targets and a pathway to net zero.

Securing our energy future

And it's not just about net zero. It's also about building a homegrown energy system, so that geopolitical turmoil around the world doesn't severely impact the UK and push up energy prices.

The UK Government's British Energy Security Strategy further underlines the need for this infrastructure, setting out plans to accelerate homegrown power for greater energy independence. The strategy aims to reduce the UK's dependence on and price exposure to global gas wholesale markets through the deployment of homegrown low carbon electricity generation supported by robust electricity network infrastructure.

Meeting our 2030 targets

In July 2022, National Grid, the Electricity System Operator (ESO), published the Pathway to 2030 Holistic Network Design (HND). This set out the blueprint for the onshore and offshore transmission infrastructure that's required to support the forecasted growth in the UK's renewable electricity. It's an ambitious plan that will help the UK achieve net zero.

What does this mean for you?

The East of Scotland will play a key role in meeting these goals. The extensive studies that informed the ESO's Pathway to 2030 HND confirmed the requirement to increase the power transfer capacity of the onshore corridor from Kintore to Tealing.

This requires a 400kV connection between these sites to enable the significant capability needed to take power from onshore and large scale offshore renewable generation, connecting on the East Coast of Scotland before transporting power to areas of demand.

As part of these plans, we're proposing to build a new 400kV OHL between Kintore and Tealing.

This also requires two new 400kV substations to be constructed in Fetteresso Forest (Hurlie) and Tealing (Emmock) to enable future connections and export routes to areas of demand.

In addition, two of the existing 275kV OHLs out of the existing Tealing substation to Alyth and Westfield require upgrades to 400kV operation and to be connected to the proposed new Emmock 400kV site.

These five projects, collectively are called the Kintore to Tealing 400kV projects, and are seen as critical to enable the delivery of the UK and Scottish Government's targets.

Future network investment requirements

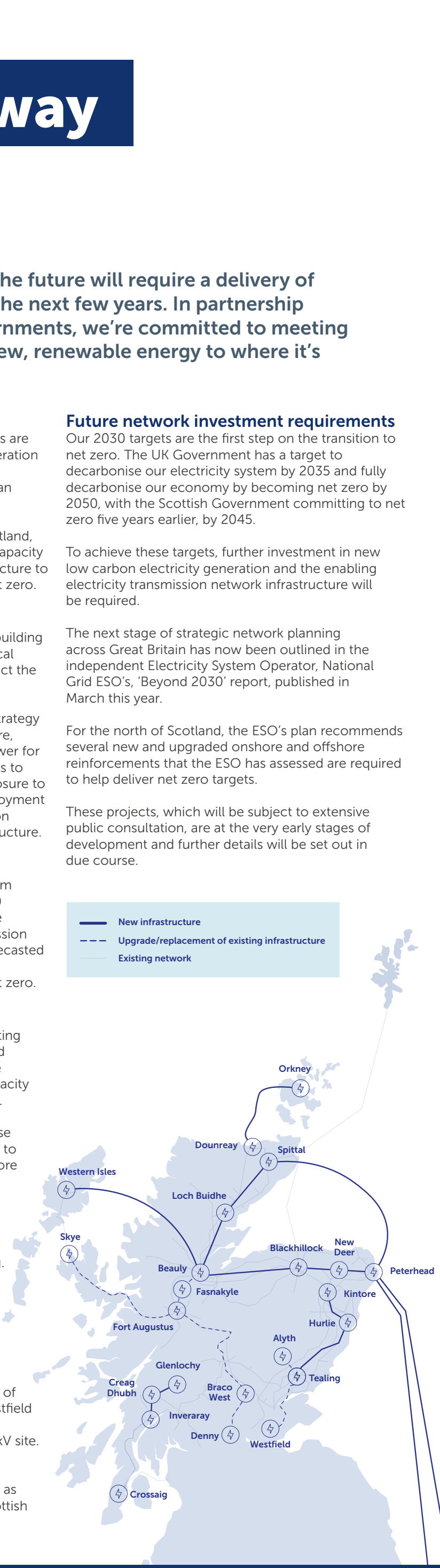
Our 2030 targets are the first step on the transition to net zero. The UK Government has a target to decarbonise our electricity system by 2035 and fully decarbonise our economy by becoming net zero by 2050, with the Scottish Government committing to net zero five years earlier, by 2045.

To achieve these targets, further investment in new low carbon electricity generation and the enabling electricity transmission network infrastructure will be required.

The next stage of strategic network planning across Great Britain has now been outlined in the independent Electricity System Operator, National Grid ESO's, 'Beyond 2030' report, published in March this year.

For the north of Scotland, the ESO's plan recommends several new and upgraded onshore and offshore reinforcements that the ESO has assessed are required to help deliver net zero targets.

These projects, which will be subject to extensive public consultation, are at the very early stages of development and further details will be set out in due course.



tkup@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

About the Kintore - Tealing 400kV projects

The Kintore - Tealing 400kV project consists of five key onshore projects comprising of works to develop new infrastructure and upgrade existing infrastructure in both SSEN Transmission and Scottish Power Transmission's areas.

Due to the criticality of these works, there is a requirement for accelerated development and delivery to meet the 2030 connection dates.

Kintore - Tealing 400kV OHL connection

This requires the construction of a new 400kV OHL approximately 107km in length. This is split into two sections:

- Approximately 35km between the 400kV substation currently under construction at Kintore and the proposed new 400kV Hurlie substation.
- Approximately 72km between Hurlie and the proposed new 400kV Emmock substation.

Emmock 400kV substation

A new 400kV substation is essential to enable the connection of the proposed Kintore - Tealing 400kV OHL as well as allowing the upgraded Alyth - Tealing and Tealing - Westfield OHLs to connect at 400kV.

Tealing has been selected as the preferred area as it reuses existing infrastructure via Westfield and Alyth down to Kincardine that can be upgraded to 400kV operation.

A new substation site near Tealing, close to the existing Tealing substation, minimises the requirement for new infrastructure.

Hurlie 400kV substation

A new 400kV substation, known as Hurlie, is located near the existing 132kV substation in Fetteresso Forest to provide a connection for the new proposed Kintore - Tealing 400kV OHL.

Hurlie also provides an onshore landing point for the proposed co-ordinated Offshore Network currently being developed which is intended to deliver offshore connections more efficiently.

Upgrade to 400kV for Alyth - Tealing and Tealing - Westfield OHL

To support the increased capacity from the proposed Kintore - Tealing 400kV OHL, the export routes to areas of demand must be upgraded to 400kV.

This means the existing Alyth - Tealing and Tealing - Westfield OHLs, which currently operate at 275kV need to be upgraded to operate at 400kV.

This is known as 'reconductoring' and is achieved by replacing the existing conductors with larger capacity conductors. Once upgraded these lines will connect into the proposed new 400kV substation at Tealing (Emmock).

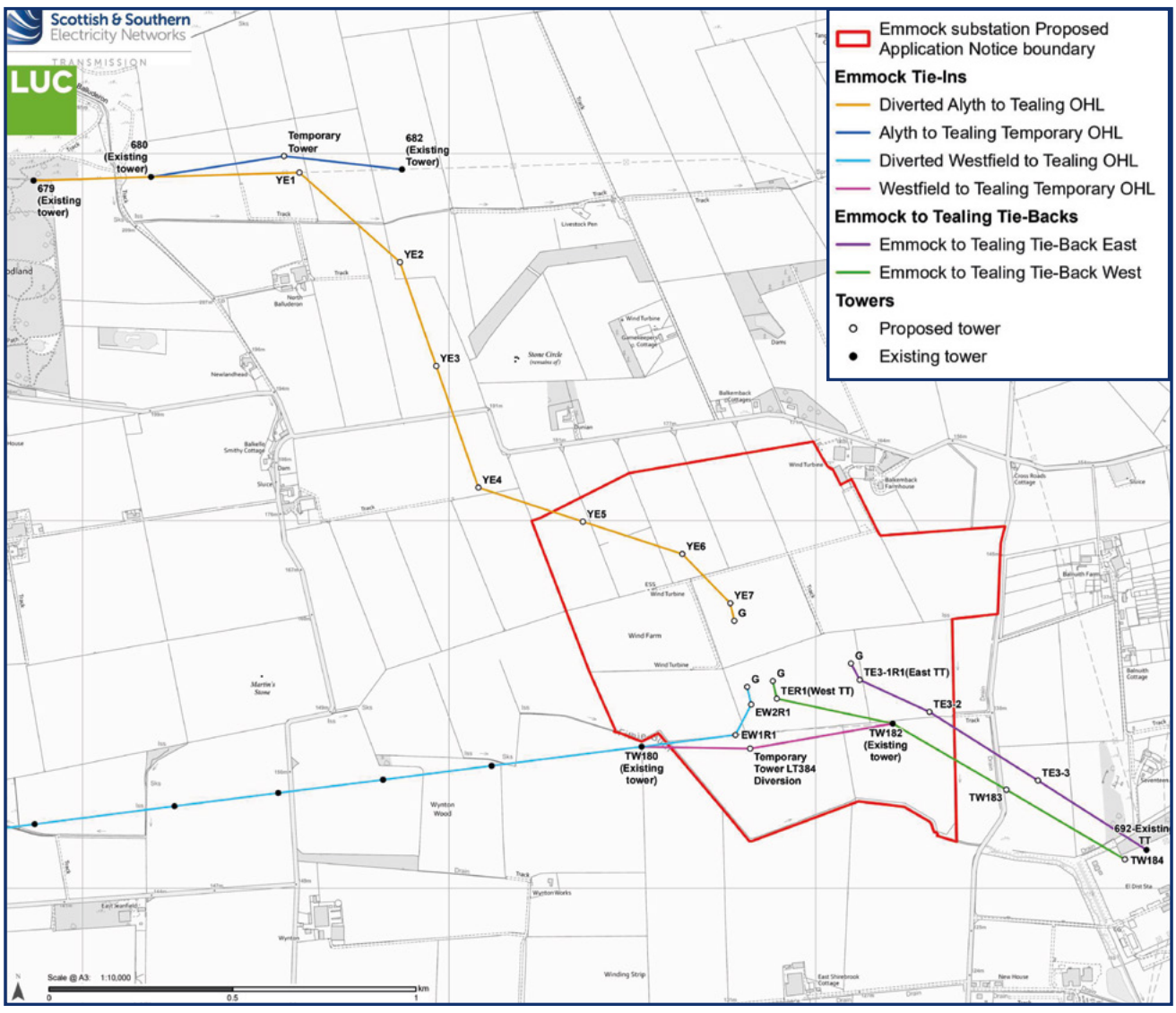
tkup@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

Emmock and Tealing section 37 tie-ins



Consult our maps

We've split our maps into sections so that you can refer to the areas of most interest to you in clearer detail.

Copies will be available at the consultation to take away with you, or alternatively you can download the copies you need from our project webpage.

The Emmock and Tealing tie-ins comprises the diversion of short sections of the Alyth to Tealing (A-T OHL) and Westfield to Tealing (W-T OHL) 275kV OHLs, which currently connect at their eastern extent with the existing Tealing 275kV substation, to connect with the proposed Emmock 400kV substation.

Consent for this work will be applied for via a standalone section 37 application under the Electricity Act 1989 to Scottish Ministers. Consent is also sought under the same application for the installation of two short sections of parallel 275kV OHL 'tiebacks' between Emmock substation (assuming it is consented) and Tealing substation.

The project is being planned in parallel with separate SSEN Transmission projects to reconductor both of the above-mentioned 275kV OHLs to 400kV for tie-in to Emmock substation.

The key issues arising from this project are likely to be landscape and visual and cumulative impacts arising from the other proposed electrical infrastructure in the area.

The project is essential to the completion of the Kintore to Tealing projects, as it would provide the tie-ins for the reconductored A-T OHL and W-T OHL to the proposed Emmock substation as part of the upgraded 400kV transmission infrastructure. This would allow power to keep flowing whilst the wider upgrade works are undertaken.

An Environmental Impact Assessment (EIA) Screening Request was submitted in August 2024, and an Environmental Appraisal of the project is due to be undertaken in the coming months to support a section 37 application to Scottish Ministers, this is expected to be submitted in early 2025. It is anticipated a decision will be made later that year and we expect to commence construction in 2026.

tkup@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

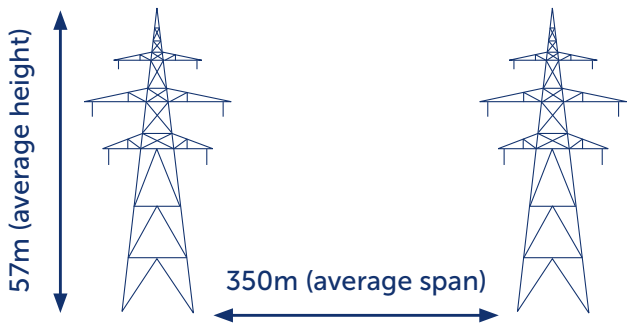
TRANSMISSION

About the overhead line

400kV double circuit overhead line

The required technology for the new 400kV link between Kintore - Hurlie - Emmock has been determined to be a new double circuit 400kV HVAC (High Voltage Alternating Current) overhead line.

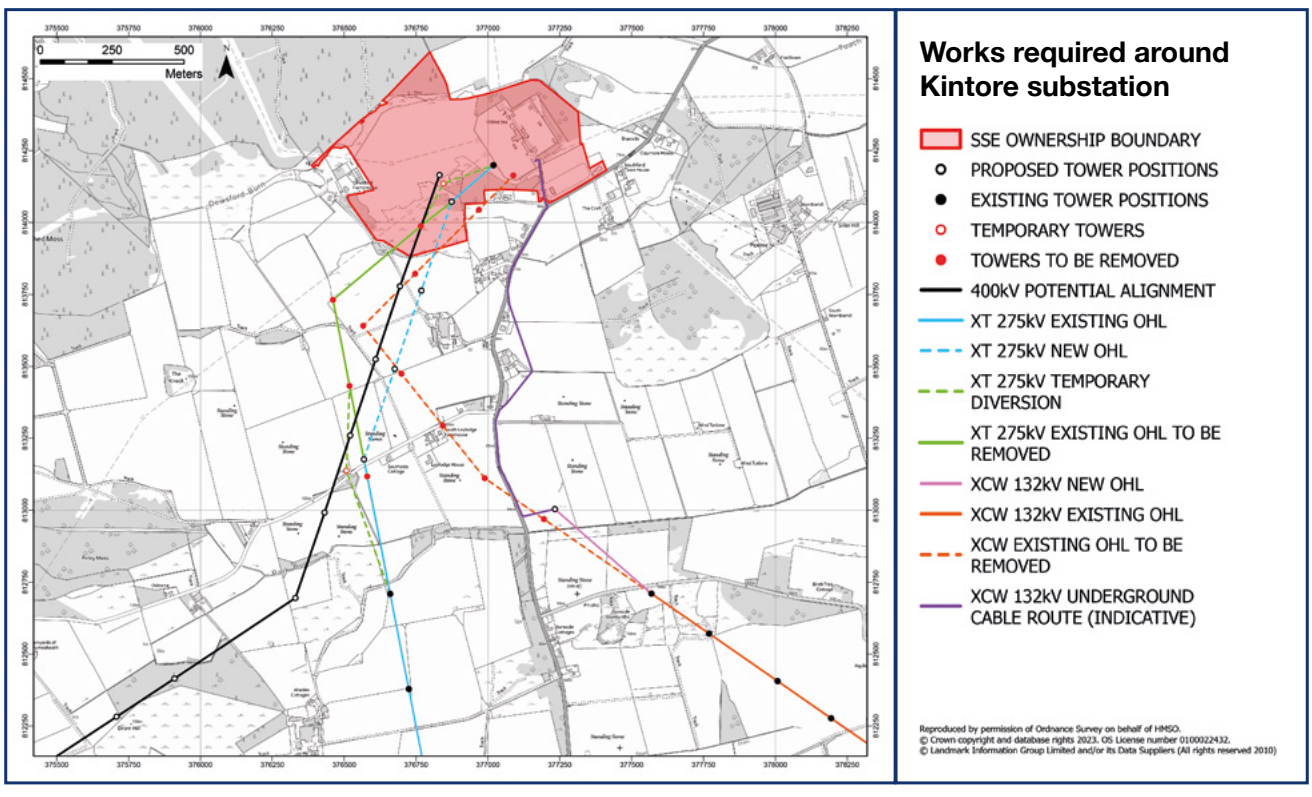
The overhead line would consist of steel lattice towers with an average height of approximately 57m which would support six conductor bundles on six cross arms and an earth wire between the peaks for lightning protection. The average distance between towers is expected to be 350m. Tower height and the distance between them will vary dependent on several factors such as altitude, climatic conditions and topography. This is similar to our Beauly—Denny line, where 80% of its 600-plus towers are below 57m, ranging from 42m to 65m in height.



Additional works

In addition to the new double circuit overhead line and towers, the project will require a number of additional works. These are currently expected to include:

- Temporary overhead line diversions at a number of locations including near Emmock substation, south of Echt, south and west of Kirkton of Durris (should the Potential Alignment be taken forward) and near Kintore.
- Sections of 132kV underground cabling near Kintore substation and potentially south of Echt (depending on arrangement of existing 132kV overhead crossing).
- New overhead line arrangements at Emmock substation to tie in the new Kintore to Tealing overhead line, the overhead lines to Alyth and Westfield and the connection between the new Emmock and existing Tealing substations. Modification of existing lines will be undertaken where possible but new structures will also be required. Any redundant structures will be removed. Please see more information on the tie-ins required at Emmock and Tealing on page 7 of the consultation booklet.
- Modification of existing circuits at Kintore to allow space for the new OHL connection and removal of redundant towers. This will involve realignment of one circuit and undergrounding of another. See figure below.
- A crossing of the existing 132kV overhead line south of Echt and removal of redundant towers near Tealing substation. For more information on OHL crossings please see **Tower Crossings**.
- Permanent realignment of the existing OHL between Kintore and Fetteresso, near Kirkton of Durris, to allow provision for the new proposed 400kV OHL (should the Potential Alignment be taken forward).



tkup@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

Selecting an alignment

The consideration of alignment options and design solutions brings together work by four main disciplines:

Engineering Team

Who identify engineering constraints and where overhead lines and cables can be installed from a construction and operational perspective.

Key considerations include:

- Infrastructure crossings
- Environmental design
- Ground conditions
- Accessibility
- Proximity to existing infrastructure and properties

Environmental Team

Who identify key environmental constraints along the routes which the new infrastructure could impact upon.

Key considerations include:

- Engagement with statutory consultees and planning authorities
- Results of specialist environmental archaeology, ornithology, ecology, geology and hydrology surveys
- Local environmental aspects like visual amenity and landscape character, Scheduled Monuments, Special Protected Areas, Specials Areas of Conservation and Sites of Special Scientific Interest
- Peat, ground conditions and the water environment
- Land use, including agriculture, forestry and recreation
- Proximity to residential properties and other sensitive receptors

Communities Team

Who work with communities and make sure that their feedback during the consultation process is closely considered during project refinement.

Key considerations include:

- Community engagement
- Consultation responses review
- Recreational areas and areas of local interest

Land Team

Who engage with landowners to identify key land use constraints.

Key considerations include:

- Landowner engagement
- Mitigating effects of infrastructure on land and properties
- Reaching land agreements

Striking a balance

When selecting an alignment, we need to carefully balance key considerations relating to engineering, environment and cost, in each section of the overhead line route.

We then consider the likely effect and level of impact of each consideration, which will vary from section to section.

This can be based on how populated the area is, the outcomes of environmental and engineering surveys, stakeholder and community feedback, the presence of peat, the local water environment, if there is existing infrastructure we need to avoid, if the effects on land and property can be mitigated and if a constructable alignment can be identified.

Ultimately, we need to balance a range of factors and present the solution we consider most viable, to then put forward for consultation. We have now identified a Potential Alignment alongside indicative tower locations which we are seeking your views on.

Our Alignment Selection Consultation Document describes the alignment options and comparative appraisal of each option in detail, and this can be downloaded from the project webpage or viewed during the consultation events.

You can download our Alignment Maps, Alignment Consultation Document and Routeing Process from our website: **ssen-transmission.co.uk/TKUP**

tkup@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

Project timeline

2022
- Project need and scope confirmed
- OHL Corridor and route options appraisal started

2023
- Environmental and engineering surveys: ongoing
- Early 2023: Corridor/route development
- Spring: Public consultation events (Corridor/route)
- Late 2023: Further route refinement

2024
- Environmental Impact Assessment scoping
- Environmental and engineering surveys continue

2024 (continued)
- Land negotiations: ongoing
- Additional routeing consultation and consultation on alignment
- Environmental Impact Assessment

2025
- Environmental Impact Assessment report preparation
- Pre-application consultation
- Section 37 application submitted

2026
- Receive consents decision
- Agree discharge of consent conditions if successful consent received
- Proposed construction start

2027-2029
- Phased construction: ongoing

2030
- Construction complete and energisation Kintore to Tealing 400kV OHL

tkup@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

Have your say

We value community and stakeholder feedback. Without this, we would be unable to progress projects and reach a balanced proposal.

The feedback period

We will accept feedback from now until **21 November 2024.**

How to provide feedback

Submit your feedback online by:

- Scanning the QR code on this page or via the form on our project webpage at: **ssen-transmission.co.uk/TKUP**
- Emailing the feedback form to the Community Liaison Manager, or;
- Write to us enclosing the feedback form in the consultation booklet.

Our Community Liaison Team

Each project has a dedicated Community Liaison Manager who works closely with community members to make sure they are well informed of our proposals and that their views, concerns, questions, or suggestions are put to our project teams.

Throughout the life of our projects, you will hear from us regularly. We aim to establish strong working relationships by being accessible to key local stakeholders such as community councils, residents' associations, and development trusts, and regularly engage with interested individuals.

Recite me

To support everyone online, we provide accessibility and language options on our website through 'Recite Me'. The accessibility and language support options provided by 'Recite Me' include text-to-speech functionality, fully customisable styling features, reading aids, and a translation tool with over 100 languages, including 35 text-to-speech.

Please select "Accessibility" on our website to try out our inclusive toolbar."

What we're seeking views on

Now that we have presented a Potential Alignment, we want you to share your thoughts and opinions on our plans, where you think we can make improvements, concerns about the impact of our work and what you think of any changes and refinements we've made. We particularly want to hear from you if you live close to the Potential Alignment.

We are actively looking to avoid and mitigate the impacts of the overhead line as much as possible over the coming months. It would be helpful to understand what you believe we should be doing to help minimise these impacts and if there are any opportunities to deliver local community benefits you would like us to consider.

During previous consultations we have received feedback on the need for the project and the alternative technology options. Whilst we acknowledge this feedback, we are keen to receive comments on the Potential Alignment and alternative alignment options.

We encourage all interested community members to fill in a feedback form when submitting feedback, however if you prefer, you can email us to provide your feedback or ask any questions. Comments made to the applicant during this consultation are not representations to the Scottish Ministers and if the applicant submits a section 37 application there will be an opportunity to make representations on that application to the Scottish Ministers.

Community Liaison Manager

The best way to contact us regarding this project is through our Community Liaison Team.

Rob Whytock

SSEN Transmission
200 Dunkeld Road, Perth, PH1 3GH

tkup@sse.com

Additional information

The best way to keep up to date is to sign up to project updates via the project webpage: ssen-transmission.co.uk/TKUP

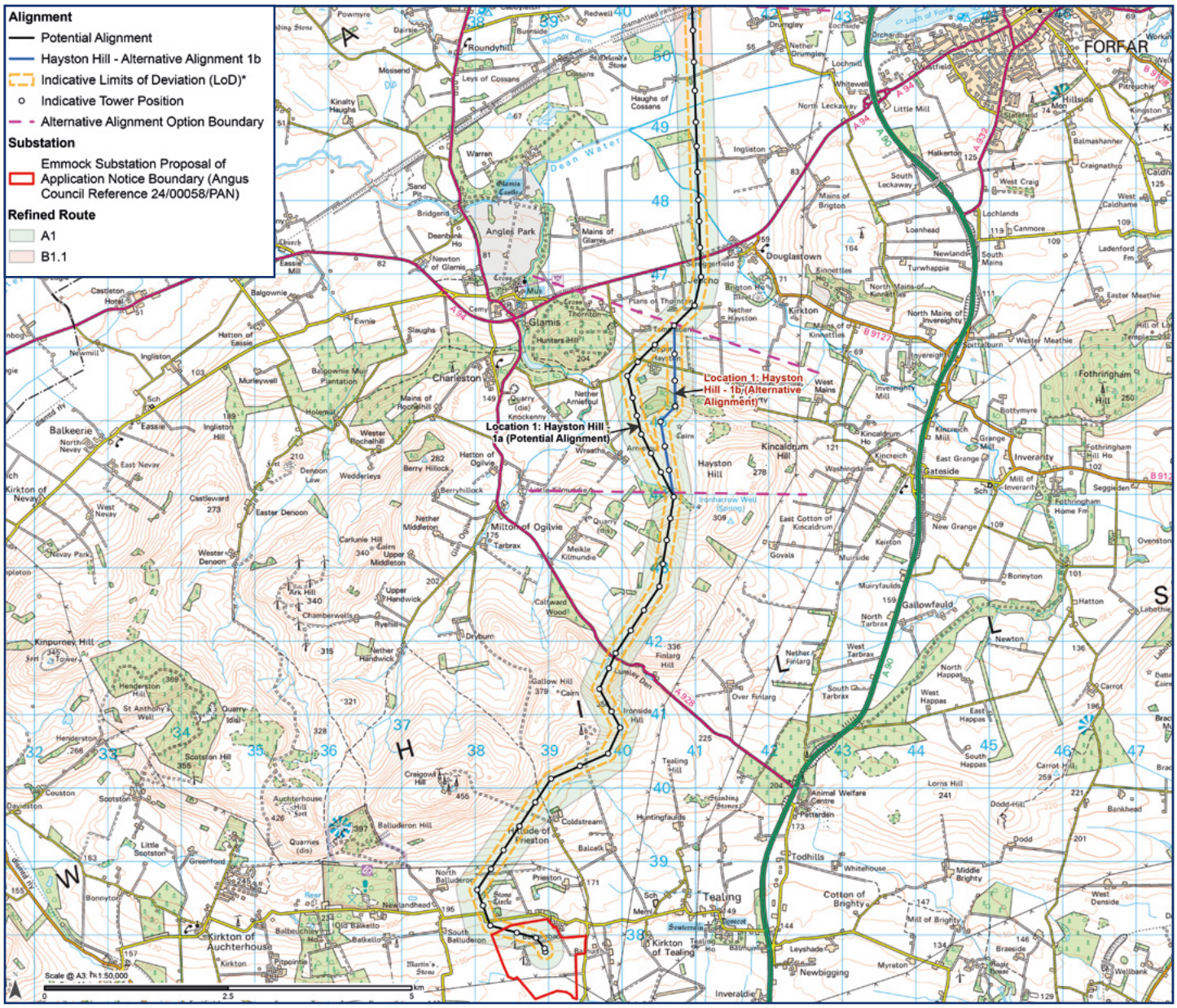
You can also follow us on social media

@ssentransmission @SSETransmission

Scottish & Southern Electricity Networks

TRANSMISSION

Section A – Tealing to Forfar



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section A – Tealing to Forfar

Potential Alignment

The Potential Alignment in Section A (within Route A1) starts from the new proposed 400kV substation known as Emmock, near Tealing, initially passing in a northwestern direction past the scattered properties around Balkemback and Balluderon to the west of Balkemback Cottages Stone Circle (Scheduled Monument) before heading northeast over rising hill ground to the east of Craigowl Hill. The alignment then heads northeast along the slopes of Ironside Hill to avoid a communications mast.

The alignment then crosses the A928 Glamis to Petterden public road to the west of Finlarg Hill remaining in an upland area before returning to lower ground as it passes west of Hayston Hill across predominantly agricultural land.

The alignment then follows a northerly course, crossing the A94 Glamis to Forfar road to the east of Hunters Hill and the village of Glamis and to the west of the small settlement of Douglastown. The final three kilometres of the alignment in Section A cross low-lying and partly flood-prone agricultural land to the west of Forfar.

Alternative Alignment Options

There is one location where Alternative Alignments have been considered in Section A; at Location 1: Hayston Hill (two alternatives). The key environmental, technical and cost considerations which differentiate between Alternative Alignment 1a (the Potential Alignment) and Alternative Alignment 1b at Hayston Hill include:

Environmental

- Alternative Alignment 1b has a greater potential to impact mixed scattered scrub and areas of upland heathland that have the potential to support sensitive Annex 1 habitats associated with the upland areas.
- Alternative Alignment 1b is more constrained by cultural heritage due to its proximity to the Scheduled Monuments located at Arniefoul Cairn and Nether Arniefoul Unenclosed Settlement.
- Alternative Alignment 1b is also more likely to impact forestry operations compared to Alternative Alignment 1a as some loss of woodland would likely be needed to create an operational corridor.
- Alternative Alignment 1a has slightly more potential to compromise the quality or quantity of surface or groundwater of regional importance due to its proximity to a groundwater spring which may be an abstraction source, however there is flexibility to reduce this constraint with micrositing.

Technical

- Alternative Alignment 1b is likely to require more earthworks due to the steep/undulating topography encountered but has less towers than Alignment Alternative 1a.
- Alternative Alignment 1b has a higher number of towers situated above 200 metres Above Ordnance Datum (AOD) which, whilst achievable, is less technically preferred than situating towers on lower elevations where they are easier to construct and maintain.
- An overhead line following Alternative Alignment 1a would need to span more minor watercourses.

Cost

- Alternative Alignment 1b represents the lowest cost alignment but only marginally. This is primarily due to the overall length of Alternative Alignment 1b being slightly shorter and requiring fewer towers overall.

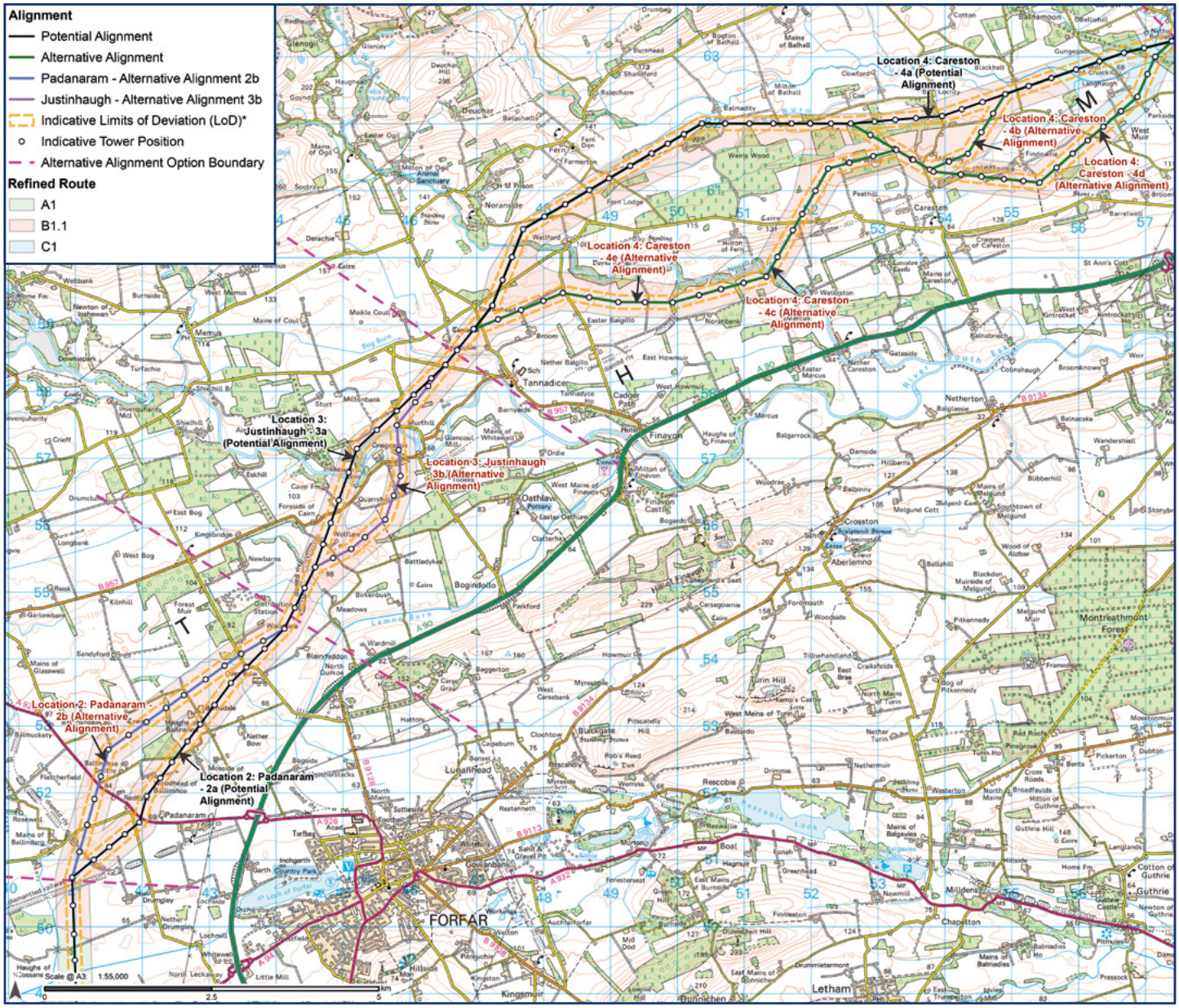
Conclusion

Alternative Alignment 1a is considered to be least constrained from both an environmental and technical perspective although it is marginally higher in cost. It has therefore been selected to form part of the Potential Alignment.

Scottish & Southern Electricity Networks

TRANSMISSION

Section B – Forfar to Brechin



Please also see additional figures overleaf showing the five alternative alignment options at Location 4 Careston.

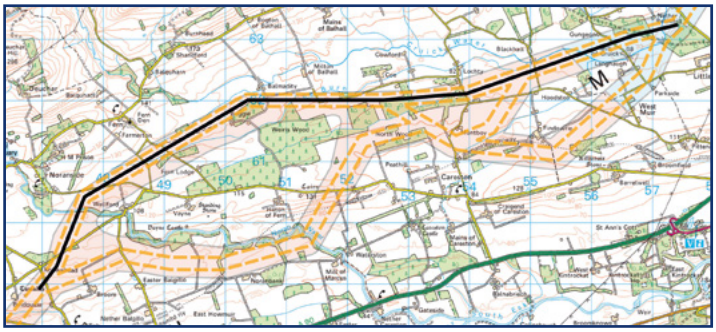
This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

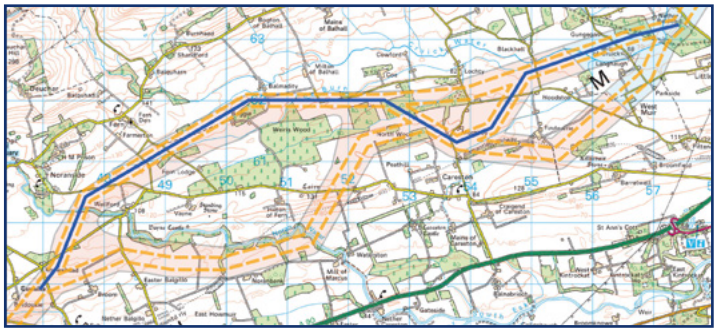
TRANSMISSION

Section B – Forfar to Brechin

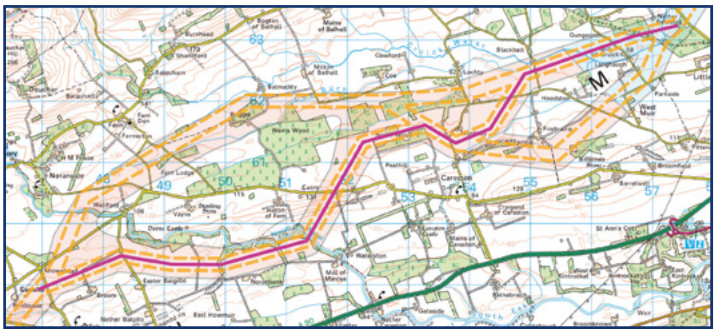
Location 4: Careston Potential Alignment 4a



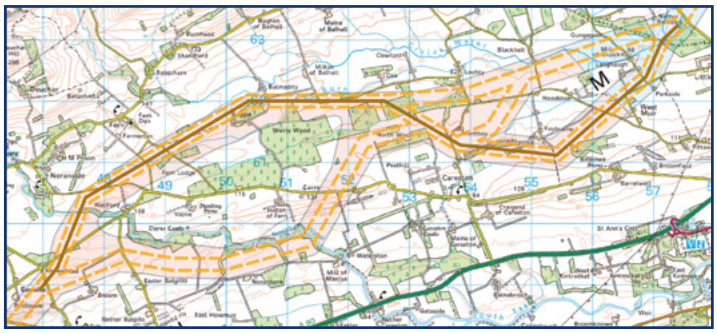
Location 4: Careston Alternative Alignment 4b



Location 4: Careston Alternative Alignment 4c



Location 4: Careston Alternative Alignment 4d



Location 4: Careston Alternative Alignment 4e

OS base maps are the latest available version from Ordnance Survey, dated July 2024. SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey.

Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2024 all rights reserved. Ordnance Survey Licence number 0100022432.

Scottish & Southern Electricity Networks

TRANSMISSION

Section B – Forfar to Brechin

Potential Alignment

The Potential Alignment in Section B (within Route B1.1) starts to the west of Forfar and initially passes in a northeast direction to the west of the settlement of Padanaram, and south of the Scheduled Monument at Ballinshoe Castle, spanning the Woodside Local Nature Conservation Site (LNCS) at its narrowest section. The alignment then crosses the A926 and B957 public roads and spans the River South Esk (a Special Area of Conservation designated for protected aquatic species) to the west of Justinhaugh Bridge.

The alignment continues to the northeast passing approximately 1 kilometre to the west of Tannadice village and crosses the Noran Water to the west of the settlement of Wellford, spanning a strip of ancient woodland on the banks of the river. The alignment continues in a northeastern direction to the north of Roughmount Wood and Weiris Wood then following a southeasterly course through Duns Wood and Lochty Wood past the settlement of Careston, located approximately 1.5 kilometres to the south of the alignment. The alignment continues in a northeastern direction across largely open agricultural land avoiding clusters of properties in the vicinity of Findowrie as it passes towards Little Brechin Wood into Section C.

Alternative Alignment Options

There are three locations where Alternative Alignments have been considered in Section B; at Location 2: Padanaram (two alternatives), Location 3: Justinhaugh (two alternatives) and Location 4: Careston (five alternatives).

Section B Location 2 – Padanaram

The key environmental, technical and cost considerations which differentiate between Alternative Alignment 2a (the Potential Alignment) and 2b at Padanaram include:

Environmental

- Both alignments cross some small areas of woodland, however it is considered that Alternative Alignment 2a offers greater opportunity than Alternative Alignment 2b to minimise the potential for felling through the southern edge of Forrestmuir Wood, which is also part of the Woodside LNCS. However Alternative Alignment 2a is slightly more constrained by long-established woodlands of plantation origin (LEPO) than Alternative Alignment 2b.
- Although both Alternative Alignments 2a and 2b avoid direct interaction with designated cultural heritage assets, Alternative 2b is considered to compromise the setting of two Scheduled Monuments, Ballinshoe Castle and Fletcherfield Enclosure. Whilst Alternative Alignment 2a would have some potential to compromise the setting of Ballinshoe Castle, it would be located further from the Scheduled Monument than Alternative Alignment 2b.
- Although the alternative alignments are considered to be similarly constrained for proximity to properties, Alternative Alignment 2a offers greater flexibility to ensure the OHL is located beyond 200 metres from residential properties. Alternative Alignment 2a also offers greater flexibility to locate the OHL further from sensitive visual receptors.
- Alternative Alignment 2b crosses an area of coniferous plantation woodland near Haughs of Ballinshoe which is slightly less preferred compared to Alternative Alignment 2a, which avoids interaction with areas of commercial forestry.

Technical

- Both alternative alignments would require towers to be situated within a floodplain, however Alternative Alignment 2b represents a higher technical risk. Alternative Alignment 2b maintains lower angles in comparison to Alternative Alignment 2a but runs in parallel with a high-pressure gas pipeline for a significant length which increases the mitigation required to resolve interference through induced voltage.

Cost

- Alternative Alignment 2a represents the marginally lower cost option primarily due to the overall length being shorter and requiring fewer towers.

Conclusion

Alternative Alignment 2a is considered to be least constrained from both an environmental and technical perspective and is the lower cost option. It has therefore been selected to form part of the Potential Alignment.

Scottish & Southern Electricity Networks
TRANSMISSION

Section B – Forfar to Brechin

Section B Location 3 – Justinhaugh

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 3a (Potential Alignment) and 3b at Justinhaugh include:

Environmental

- Both alternative alignments cross areas of riparian woodland along the River South Esk, a designated Special Area of Conservation (SAC), however Alternative Alignment 3b is assessed as being more constrained in relation to habitat biodiversity than Alternative Alignment 3a. Tower sizing and micrositing will help mitigate ecological constraints at the river crossing from construction, as well as reducing tree felling required of the riparian woodland.
- Alternative Alignment 3b cannot avoid the placement of towers in the 200-year future flood extent of the River South Esk, there is therefore greater potential for this alignment to compromise quality and/or quantity of surface or groundwater.
- Alternative Alignment 3a intersects the southeastern edge of Inshewan House Non-Inventory Designed Landscape (NIDL), however as this part of the designed landscape comprises open arable farmland without key designated features, an OHL alignment here could be located away from the core elements of the NIDL and would not intrude into key views from the House.
- Alternative Alignment 3b passes over an undulating elevated landform to the northwest of Battledykes, where the visual prominence of the OHL and its intervisibility with the surrounding area would be increased representing a slightly greater landscape and visual constraint than for Alternative Alignment 3a.

Technical

- Alternative Alignment 3b has a higher number of angle structures, which results in a technically more challenging alignment in terms of construction and operation, as well as a higher land take per tower. Alternative Alignment 3b also has more challenging crossing points with existing infrastructure and environmental aspects when considering the river and roads in the area.
- Both alternative alignments cross and are close to the River South Esk, which also has an associated flood risk, adding complexity to the constructability. However, Alternative Alignment 3a parallels these banks as well as crossing them, potentially increasing the associated risk of erosion.
- Alternative Alignment 3b crosses a high-pressure pipeline twice and runs in parallel with this pipeline for a longer distance than Alternative Alignment 3a, which will likely increase the mitigation required to resolve interference through induced voltage. There are some steep slopes associated with Alternative Alignment 3a which may increase the risk of constructability.

Cost

- There is no clear difference in relation to the estimated cost of the alternative alignments.

Conclusion

Alternative Alignment 3a is considered to be least constrained from both an environmental and engineering perspective and there is no clear difference in cost. It has therefore been selected to form part of the Potential Alignment.

Scottish & Southern Electricity Networks

TRANSMISSION

Section B – Forfar to Brechin

Section B Location 4 – Careston

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 4a (Potential Alignment), 4b, 4c, 4d and 4e at Careston include:

Environmental

- Although Alternative Alignments 4a, 4b and 4d intersect a small strip of ancient woodland of semi-natural origin where they cross the Noran Water, tower micrositing and sizing would help to mitigate felling required for the OHL, minimising woodland loss.
- Alternative Alignment 4a intersects Lochty Wood; an area of mature broadleaved LEPO woodland with some wet woodland and potential groundwater dependent terrestrial ecosystems (GWTDE). The other alternative alignments avoid crossing Lochty Wood but all affect LEPO woodland in either Duns Wood or North Wood. Alternative Alignment 4e also crosses the edge of Barrelwell Bog Local Nature Conservation Site (LNCS).
- Alternative Alignments 4c and 4e pass close to the Scheduled Monument at Law of Windsor Cairn, whilst Alternative Alignments 4a, 4b and 4d are located in close proximity to the Scheduled Monument at Wellford Enclosure. Alternative Alignments 4c and 4e would likely compromise the setting of Law of Windsor Cairn, whilst Alternative Alignments 4a, 4b and 4d have flexibility to provide some separation of the OHL from Wellford Enclosure.
- Alternative Alignments 4c and 4e would cross a locally prominent ridgeline at Hilton of Fern and are considered to compromise landscape character. The ridgeline forms a notably elevated area within a landscape that is generally low lying, increasing the prominence of an OHL in this area and the potential for adverse visual effects from a range of receptors.
- Whilst the level of constraint associated with visual amenity for Alternative Alignments 4a, 4b and 4d is considered to be similar, Alternative Alignment 4b is the most visually constrained due to the potential for visual impacts on receptors including the properties at Montboy.

Technical

- Alternative Alignment 4a has the smallest number of angle towers of all the options and overall follows the shortest route. Alternative Alignment 4b is the longest overall alignment and has a large number of angle towers. Alternative Alignment 4b also runs in parallel to a high-pressure gas pipeline for the longest distance which will increase the mitigation required to resolve interference through induced voltage.
- Alternative Alignment 4a has fewer angle structures than Alternative Alignment 4d, however Alternative Alignment 4d is considered the lowest risk of having to apply mitigation for interference with the gas pipeline through induced voltage.
- Based on desktop assessment, all the options have a similar risk rating in terms of flooding and terrain. For Alternative Alignments 4a, 4b and 4d the river crossing has steep gradients and Alternative Alignments 4c and 4e need to traverse a ridge.

Cost

- Alternative Alignment 4a is the lowest cost option with the other four alternative alignments being marginally more expensive.

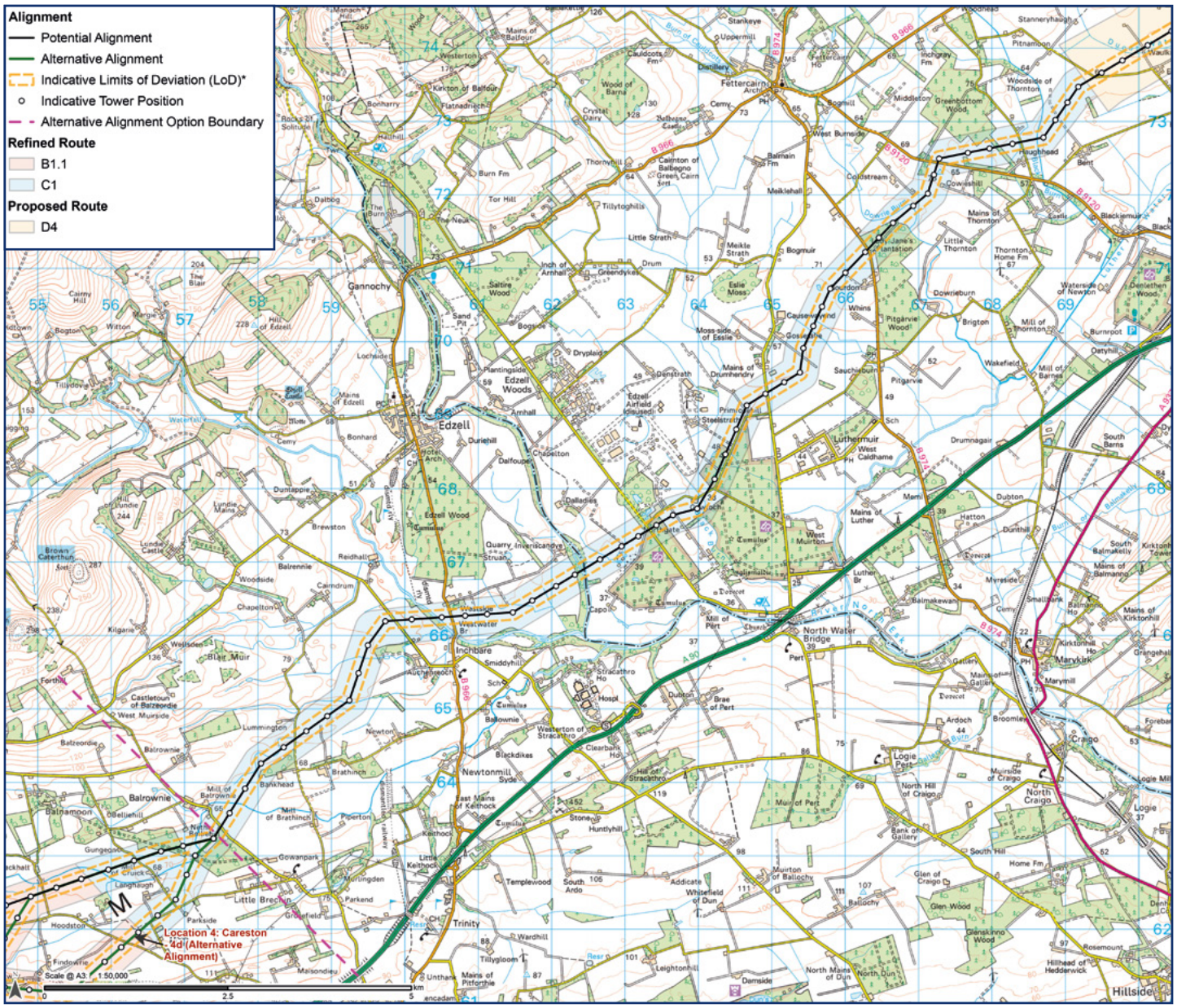
Conclusion

Although Alternative Alignment 4d is marginally preferred on environmental criteria, Alternative Alignment 4a is considered the least constrained from an engineering perspective and it is the lowest cost option. Alternative Alignment 4a has therefore been selected to form part of the Potential Alignment. Opportunities to mitigate environmental effects will be progressed through the detailed design and EIA.

Scottish & Southern Electricity Networks

TRANSMISSION

Section C – Brechin to Laurencekirk



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section C – Brechin to Laurencekirk

Potential Alignment

The Potential Alignment in Section C (within Route C1) starts to the northwest of Brechin, initially passing in a northeastern direction between Belliehill Wood and Little Brechin Wood to Auchenreoch where the alignment crosses the West Water. Due to the pinch point of properties at the settlement of Inchbare and south of Ezdell Wood, the alignment is unable to avoid the fluvial floodplain areas of the West Water. South of Edzell Wood, the alignment continues in an eastern direction, crossing the B966 Brechin to Edzell public road between clusters of properties and then follows a northeastern path across open agricultural land.

The alignment then crosses the River North Esk at a point to the southeast of the settlement of Edzell, skirting the edges of woodland areas at Capo Plantation and Inverury Wood and passing the former Edzell Airfield site, now being redeveloped with a range of land uses, which is located to the north of the alignment.

The alignment passes 1 kilometre to the north of the small settlement Luthermuir following a northeastern course through gently rising agricultural land to the south of Eslie Moss Site of Special Scientific Interest (SSSI). It then crosses the B974 Fettercairn to Marykirk public road and through the northern edge of mixed woodland at Lady Jane's Plantation, continuing in a northeastern direction to the south of Greenbottom Wood (both of which are long-established woods of plantation origin, LEPO). The alignment then continues in a northeastern direction through the Howe of the Mearns to a point approximately 2 kilometres northwest of the town of Laurencekirk where it connects with the Potential Alignment in Section D.

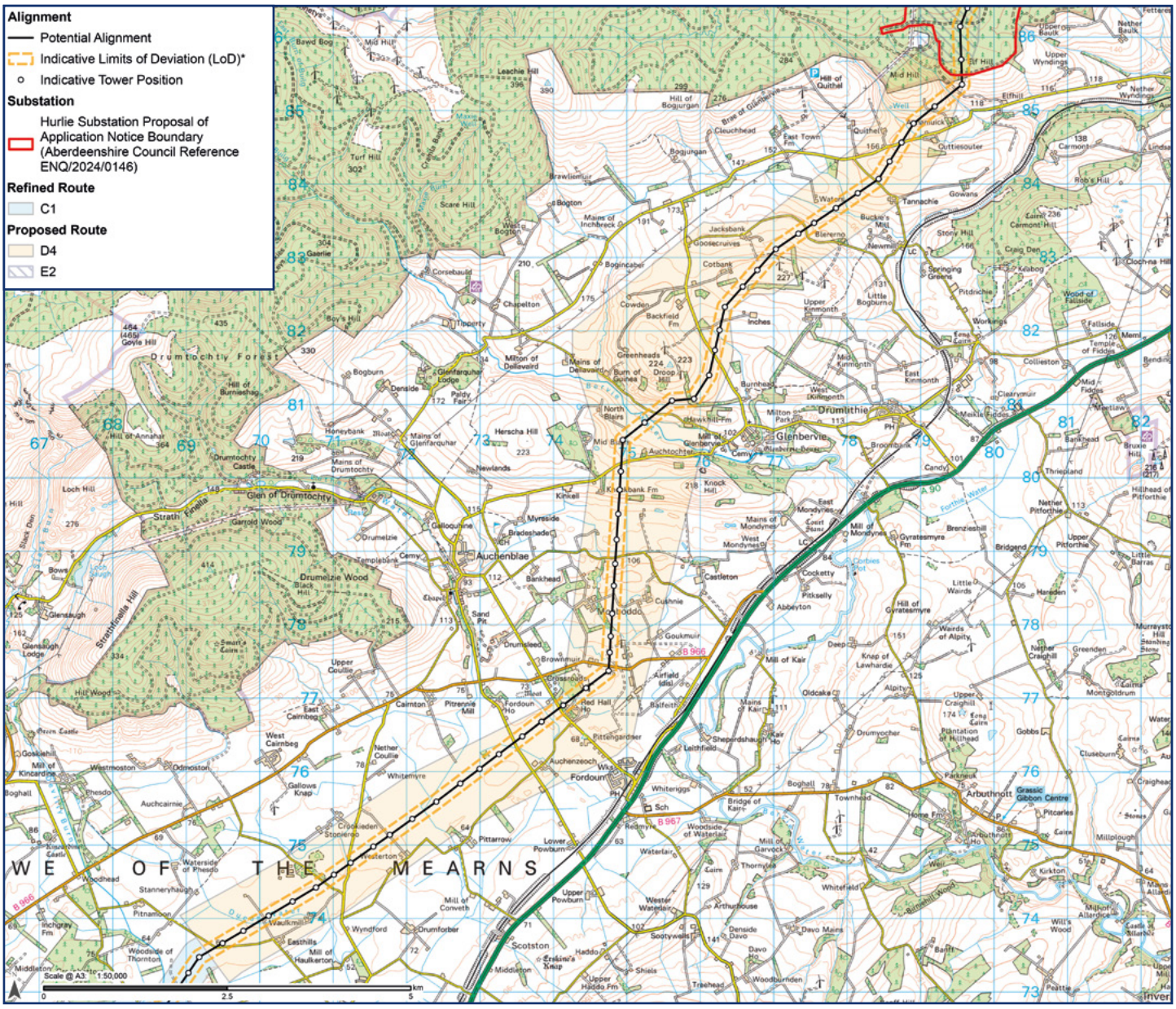
Alternative Alignment Options

Following the confirmation of the proposed route C1 in the November 2023 Report on Consultation (RoC) (Kintore to Tealing OHL RoC November 2023), work began to identify an alignment and possible alternative alignments within route C1. During the alignment development work, no alternative alignments were identified and a Potential Alignment was designed taking account of the varying technical, land use and environmental constraints throughout Section C. The alignment proposed in C1 offers a technically feasible option and avoids or limits interactions with environmental and community constraints.

Scottish & Southern Electricity Networks

TRANSMISSION

Section D – Laurencekirk to Hurlie substation



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section D – Laurencekirk to Hurlie substation

Potential Alignment

The Potential Alignment in Section D (within Route D4) starts to the northwest of Laurencekirk, avoiding clusters of properties as it initially passes through gently undulating farmland. It crosses a number of minor roads in a generally northeastern direction, where it passes between the settlement of Fordoun to the southeast and the village of Auchenblae to the northwest. As the alignment moves further to the northeast, avoiding Auchenblae Conservation Area, it also increases distance from higher ground associated with the Braes of the Means Special Landscape Area (SLA).

The alignment navigates a pinch point of properties and Fordoun Aerodrome and avoids being within key views of a Listed Building at House of Redhall. The alignment then crosses the B966 public road close to the location of commercial sites on land formerly used for a military airfield.

It continues in a northern direction over more undulating topography past the settlement of Monboddo, crossing the Bervie Water in a valley to the west of Glenbervie village, avoiding Glenbervie Garden and Designed Landscape (GDL). The alignment passes northwards over steeply rising ground following the lower southern and eastern slopes of Droop Hill to avoid complex hydrology and a site with planning permission for a windfarm. At Cotbank, the alignment then follows a northeastern direction through an undulating landscape with several wind turbines, then uphill across a varied and undulating upland landscape with occasional woodland shelterbelts. It then runs steeply uphill towards the site of the new proposed 400kV substation at Hurlie in Fetteresso Forest.

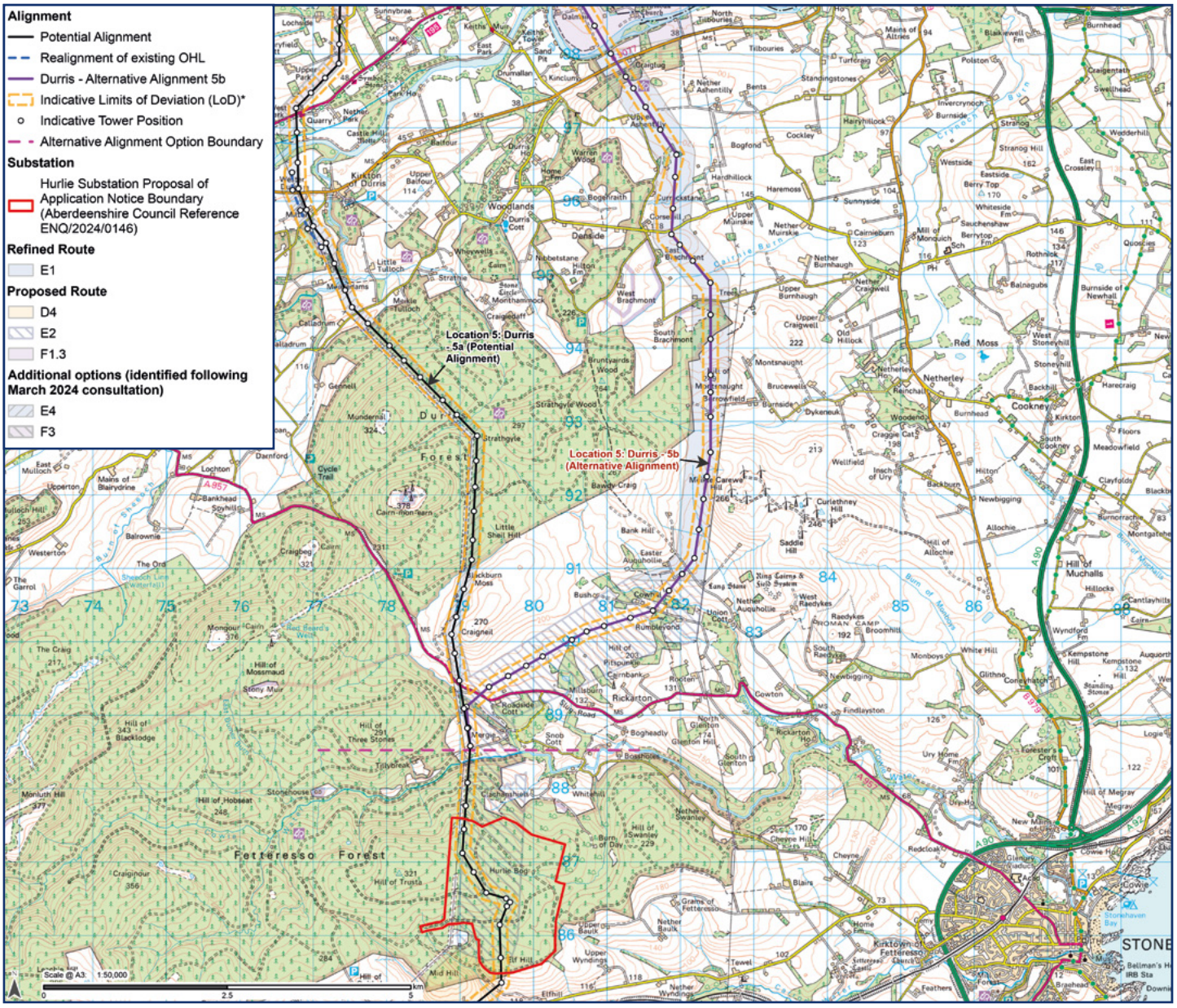
Alternative Alignment Options

Following the identification of route option D4 in the November 2023 Report on Consultation (RoC) (Kintore to Tealing OHL RoC November 2023), work began to identify an alignment and possible alternative alignments within route D4 (and route option D5). During the alignment development work, no alternative alignments were identified and a Potential Alignment was designed taking account of the varying technical, land use and environmental constraints throughout Section D. The alignment proposed in D4 offers a technically feasible option and avoids or limits interactions with environmental and community constraints.

Scottish & Southern Electricity Networks

TRANSMISSION

Section E – Hurlie substation to River Dee



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section E – Hurlie substation to River Dee

Potential Alignment

The Potential Alignment in Section E (within Route E2 and Route E4) begins at the proposed new Hurlie 400 kV substation site in Fetteresso Forest and passes in a northern direction through Fetteresso Forest and then over high ground at Craigneil Hill and Durris Forest following the line of an existing 275 kV OHL to the immediate west of the alignment. The alignment then continues in a northern direction to the west of the village of Kirkton of Durris before crossing the River Dee north of Wester Durris. The Potential Alignment crosses the A93 Aberdeen to Banchory public road between West Park and Nether Park and to the west of Park House Garden and Designed Landscape (GDL) before following a northerly course over gently rising ground adjacent to the Loch of Park Site of Special Scientific Interest (SSSI) (which would be avoided to the west of the alignment) and continuing through to Coldstream Plantation[1].

Alternative Alignment Options

There is one location where Alternative Alignments have been considered in Section E; at Location 5: Durris (two alternatives). The key environmental, technical and cost considerations which differentiate between Alternative Alignment 5a (Potential Alignment) and Alternative Alignment 5b include:

Environmental

- Both alternative alignments are likely to have groundwater dependent terrestrial ecosystem (GWDTE), however due to locations and extents, there is more flexibility to avoid these areas in Alternative Alignment 5b.
- The 480 metre wide floodplain extent of the River Dee cannot be spanned between adjacent OHL towers where Alternative Alignment 5a crosses the watercourse, which may compromise the quality and/or quantity of surface waters. In comparison, Alternative Alignment 5b is less likely to result in impacts to water flow pathways to surface and groundwater due to the shorter span required to cross the floodplain.
- Although the alternative alignments are considered to have similar constraints in relation to ornithology, there is a larger extent of suitable habitat for certain birds of conservation concern (BoCC), such as waders, in Alternative Alignment 5b in comparison to the Alternative Alignment 5a.
- Alternative Alignment 5a is located closer to Park House GDL than Alignment 5b, however it is further from Drum Castle GDL and the associated Category A Listed Building at Drum Castle, which are key constraints for Alternative Alignment 5b (see also separate handout on Section F available at: ssen-transmission.co.uk/TKUP).
- Alternative Alignment 5b is located closer to a larger number and density of residential properties, particularly at Drumoak (including a primary school), than Alternative Alignment 5a, and therefore is considered to be more constrained in relation to proximity to dwellings, sensitive receptors, views and visual amenity.

Technical

- Alternative Alignment 5b has a significantly higher interaction with high pressure gas pipelines in comparison to Alternative 5a and will require more mitigation to resolve interference through induced voltage. Both alternative alignments cross two A-roads and the River Dee, with similar constraints associated with these crossings. Alternative Alignment 5a would require realignment of the existing Kintore - Fetteresso OHL, which would include network outages.
- Alternative Alignment 5a passes through a wider area of surface and river flood risk, however it is expected that tower micrositing and mitigation will sufficiently manage any risks associated with tower installation in these areas.
- Alternative Alignment 5b has a significantly higher number of angle structures (towers) overall, is a longer route and is close to a higher number of properties throughout the route than Alternative Alignment 5a.

Cost

- Alternative Alignment 5a has a marginally lower cost than Alternative Alignment 5b principally due to its shorter length.

Conclusion

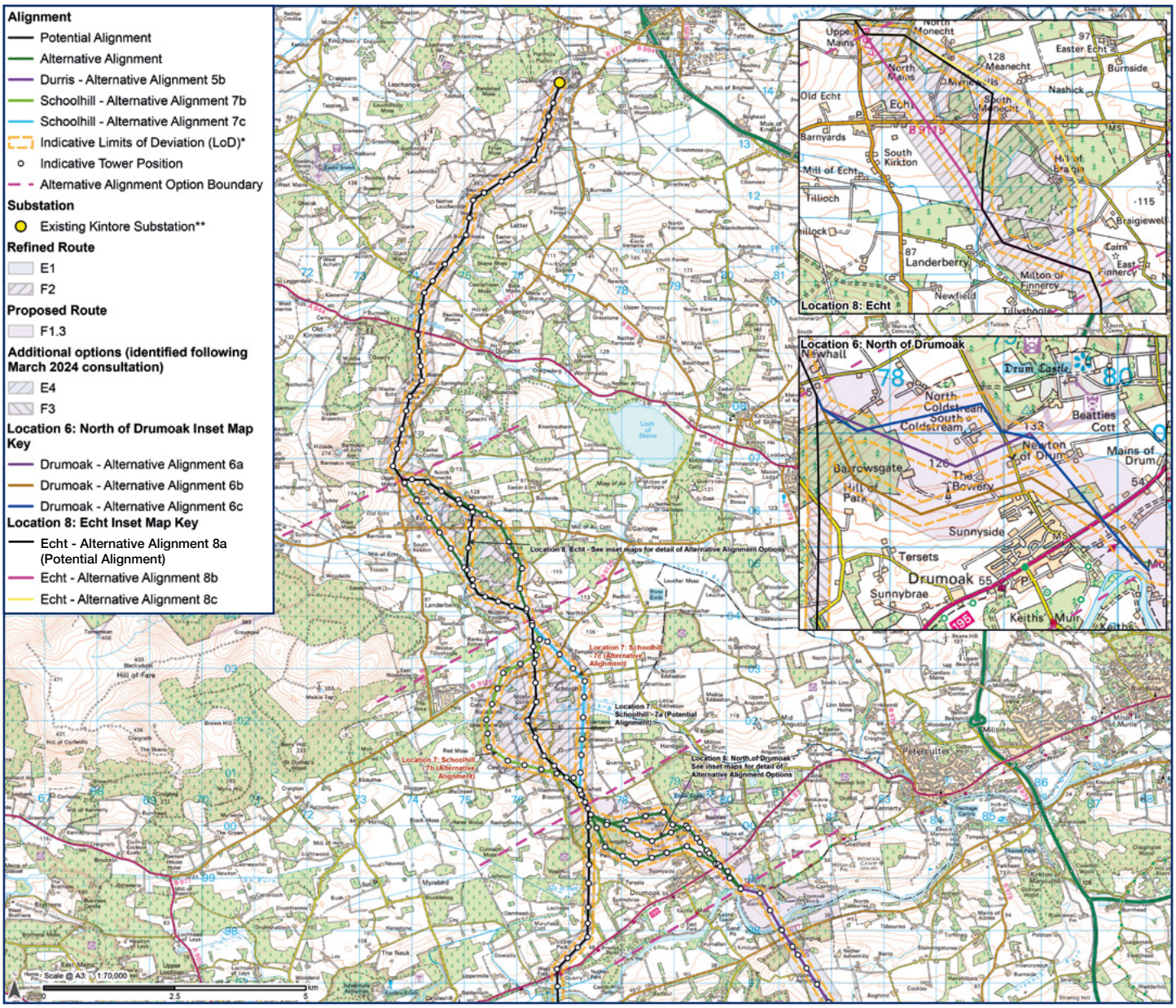
Alternative Alignment 5a has been taken forward as the Potential Alignment over Alternative Alignment 5b as it is less constrained technically however it would involve realignment of the existing Kintore – Fetteresso OHL (currently being uprated from 275 kV to 400 kV) which is technically complex. Alternative Alignment 5a is also the lower cost of the two alignment options considered. There is no clear overall preference across the various environmental criteria which have been appraised. Alternative Alignment 5a would be located close to fewer residential properties than Alternative Alignment 5b and is therefore less constrained in relation to proximity to dwellings, sensitive receptors, and visual amenity.

[1] The Potential Alignment described from the River Dee crossing to Coldstream Plantation is located in Section F of the Proposed Route for the OHL. It is included in this handout for Section E because the Alternative Alignments appraised in Section E both continue for approximately 4km into Section F before meeting at a common point northwest of Drumoak. The appraisal of these alternatives has been undertaken from their common points at Hurlie (in the south) and Coldstream Plantation (in the north) to facilitate an objective comparison and irrespective of the Route sections in which they are located. A separate handout is available for Section F at ssen-transmission.co.uk/TKUP.

Scottish & Southern Electricity Networks

TRANSMISSION

Section F – River Dee to Kintore



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section F – River Dee to Kintore

Potential Alignment

The Potential Alignment in Section F (within Route F2 and F3) begins north of the River Dee having crossed at Wester Durris. The alignment crosses the A93 Aberdeen to Banchory public road between West Park and Nether Park, avoiding Park House Garden and Designed Landscape (GDL), before following a northerly course over gently rising ground adjacent to the Loch of Park Site of Special Scientific Interest (SSSI) (which would be avoided to the west of the alignment) and continuing through to Coldstream Plantation.

The alignment then follows a course in a north-northwestern direction crossing the B9125 public road to the west of the settlement of Schoolhill and passing to the east of the village of Echt, where it also crosses the B9119 public road. The alignment then follows a generally northeastern direction to the east of the prominent high ground of Barmekin Hill Fort Scheduled Monument, with its summit hilltop and parallel to the Dunecht Garden and Designed Landscape (GDL), with the Loch of Skene Special Protection Area (SPA)/SSSI/Ramsar site located further to the east. The alignment crosses the A944 Westhill to Alford public road on undulating ground to the west of Dunecht village and passes through an open agricultural landscape with occasional plantations for 5 kilometres before connecting with the existing Kintore Substation at the northern end of the section.

Alternative Alignment Options

There are three locations where Alternative Alignments have been considered in Section F; Location 6: North of Drumoak (three alternatives), Location 7: Schoolhill (three alternatives) and Location 8: Echt (three alternatives). The Alternative Alignments in Location 5: Durris are discussed in the separate handout for Section E, because whilst the northern end of these options lie within Section F, they are predominantly located in Section E (see separate handout on Section E available at ssen-transmission.co.uk/TKUP).

Section F Location 6 – North of Drumoak

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 6a (the Potential Alignment), 6b and 6c North of Drumoak include:

Environmental

- Alternative Alignment 6a does not cross any wide floodplain areas, watercourses, known Private Water Supply (PWS) sources or known abstractions, however Alternative Alignments 6b and 6c are both constrained by potential PWS abstraction sources.
- All alternative alignments pass close to Drum Castle Garden and Designed Landscape (GDL) and within 2 kilometres of two Scheduled Monuments (Bogton Cairn, Field System and Trackway and Normandykes Roman Camp). Alternative Alignment 6c would cut across the southwest corner of the GDL and would disturb an area of ancient woodland. It would adversely impact upon the setting of the designated area and potentially on views from the nearby Category A listed Drum Castle. Although Alternative Alignment 6a and Alternative Alignment 6b may also compromise the setting of Drum Castle, they would be less likely to be visible in key views of the Castle compared to Alternative Alignment 6c.
- Alternative Alignment 6a is located at a greater distance from the settlement of Drumoak than Alternative Alignment 6b and is considered to have lower potential for changes to landscape character and woodland loss than Alternative Alignment 6c.

Technical

- All alternative alignments cross a number of major high pressure gas pipelines which would require mitigation to resolve interference through induced voltage. They also cross the A93 public road which would require mitigation.
- Alternative Alignment 6a and Alternative Alignment 6c require angle towers with steeper angles, with Alternative Alignment 6b requiring more towers, but with less steep angles. Alternative Alignment 6b has the highest number of residential properties in close proximity and also passes close to two communications masts on the hillside above Drumoak.

Cost

- There is no significant cost difference between the alternative alignments. Alternative Alignment 6a (the Potential Alignment) and Alternative Alignment 6c are slightly shorter in length than Alternative Alignment 6b but have additional angle tower requirements which include steeper angle structures.

Conclusion

Alternative Alignment 6a is considered to be the least constrained option from an environmental perspective. The technical preference is Alternative Alignment 6b due to having less steeper angle structures required. There is no significant difference in cost between the options. Alternative Alignment 6a would be taken forward as part of the Potential Alignment should Alternative Alignment 5b proceed instead of Alternative Alignment 5a at Location 5 Durris (see separate handout on Section E available at ssen-transmission.co.uk/TKUP).

Scottish & Southern Electricity Networks
TRANSMISSION

Section F – River Dee to Kintore

Section F Location 7 – Schoolhill

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 7a (the Potential Alignment), 7b and 7c at Schoolhill include:

Environmental

- Alternative Alignment 7b is constrained by Candyglirach Local Nature Conservation Site (LNCS) where some tree felling would be required to install an OHL. The other two alternative alignments would not be constrained by this site.
- Although all alternative alignments cross watercourses and the floodplain of the Gormack Burn, there is more opportunity in Alterative Alignment 7a to avoid the flood risk area and associated watercourses.
- Alternative Alignment 7b has the potential to compromise the setting of two Scheduled Monuments, at Tillyhorn Moated Homestead and East Finnercy Cairn, to a greater extent than Alternative Alignment 7a and Alternative Alignment 7c due to its closer proximity.
- The effects of woodland loss associated with Alternative Alignment 7b would have greater constraints on landscape character than for the other two alternatives.

Technical

- All alignments cross flood risk zones, however Alternative Alignment 7a could be designed to span the floodplain whereas Alternative Alignments 7b and 7c would require towers to be sited within the floodplain.
- Alternative Alignment 7c requires a greater number of angle towers than the other options. All alternative alignments cross high pressure gas pipelines, however Alternative Alignment 7b crosses them at a preferable angle, compared to Alternative Alignment 7a and Alternative Alignment 7c which have a higher likelihood of requiring mitigation to resolve interference through induced voltage.

Cost

- Alternative Alignment 7a (the Potential Alignment) presents the lowest cost due to overall length and number of tower structures.

Conclusion

Alternative Alignment 7a is considered to be least constrained from both an environmental and engineering perspective and is the lowest cost option. It has therefore been selected to form part of the Potential Alignment.

Scottish & Southern Electricity Networks

TRANSMISSION

Section F – River Dee to Kintore

Section F Location 8 – Echt

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 8a (the Potential Alignment), 8b and 8c at Echt include:

Environmental

- Although Alternative Alignment 8b has towers situated in the flood risk areas near Landerberry, there are opportunities to microsite towers outwith these areas. There are no associated sensitive habitats constraining the alignment. Alternative Alignment 8b intersects fewer areas of long-established woodlands of plantation origin (LEPO) in comparison to Alternative Alignment 8a and 8c and it is less constrained generally in relation to habitat sensitivity and biodiversity.
- All alternative alignments pass close to the southwestern edge of Dunecht House Garden and Designed Landscape (GDL). However, there is considered to be flexibility to position the alignments to avoid any direct impact on the designated area. Alternative Alignments 8a and 8b follow a course for a slightly greater distance than Alignment 8c to the south of the GDL.
- Alternative Alignment 8b is located closer to a larger number and density of residential properties at Echt (which includes a primary school), than Alternative Alignments 8a and 8c, and therefore is considered to be more constrained in relation to proximity to dwellings, sensitive receptors and visual amenity. There are also more sensitive visual residential receptors with potential views of an OHL for Alternative Alignment 8b, especially in the vicinity of Echt village, when compared to the other two alternative alignments.
- Alternative Alignment 8b partially intersects the boundary of a planning application within the northeast part of Echt village for 25 dwelling houses. There is limited flexibility to avoid this constraint and achieve, as far as possible, the target distance of 170 m between the OHL and the planned residential properties. Alternative Alignment 8a and Alternative Alignment 8c do not cross any locations with proposed or consented planning applications.

Technical

- All alternative alignments cross an existing 132kV overhead line near Landerberry which would require modification to both the existing and proposed OHL circuits to ensure they are easily maintained in the future. All alternative alignments also cross the B9119 public road which would require careful management during construction.
- Alternative Alignment 8b passes through more watercourse and surface water flood risk areas compared to Alternative Alignment 8a and Alternative Alignment 8c. However, it is expected that during micrositing no towers would need to be situated within the flood risk areas.
- Alternative Alignments 8a and 8c have a larger number of angle towers in total. This is technically more challenging from a constructability and maintainability perspective.
- Alternative Alignment 8b passes between the residential properties at Echt and South Monecht whereas Alternative Alignments 8a and 8c push the alignment further to the east, reducing the number of properties it interfaces with.
- None of the alternative alignments cross any high pressure gas pipelines, however Alternative Alignment 8c does run in parallel for approximately 1 kilometre which would require mitigation to resolve interference through induced voltage.

Cost

- Alternative Alignment 8b is the preferred alignment option from a cost perspective as it is the lowest cost with the lowest number of towers.

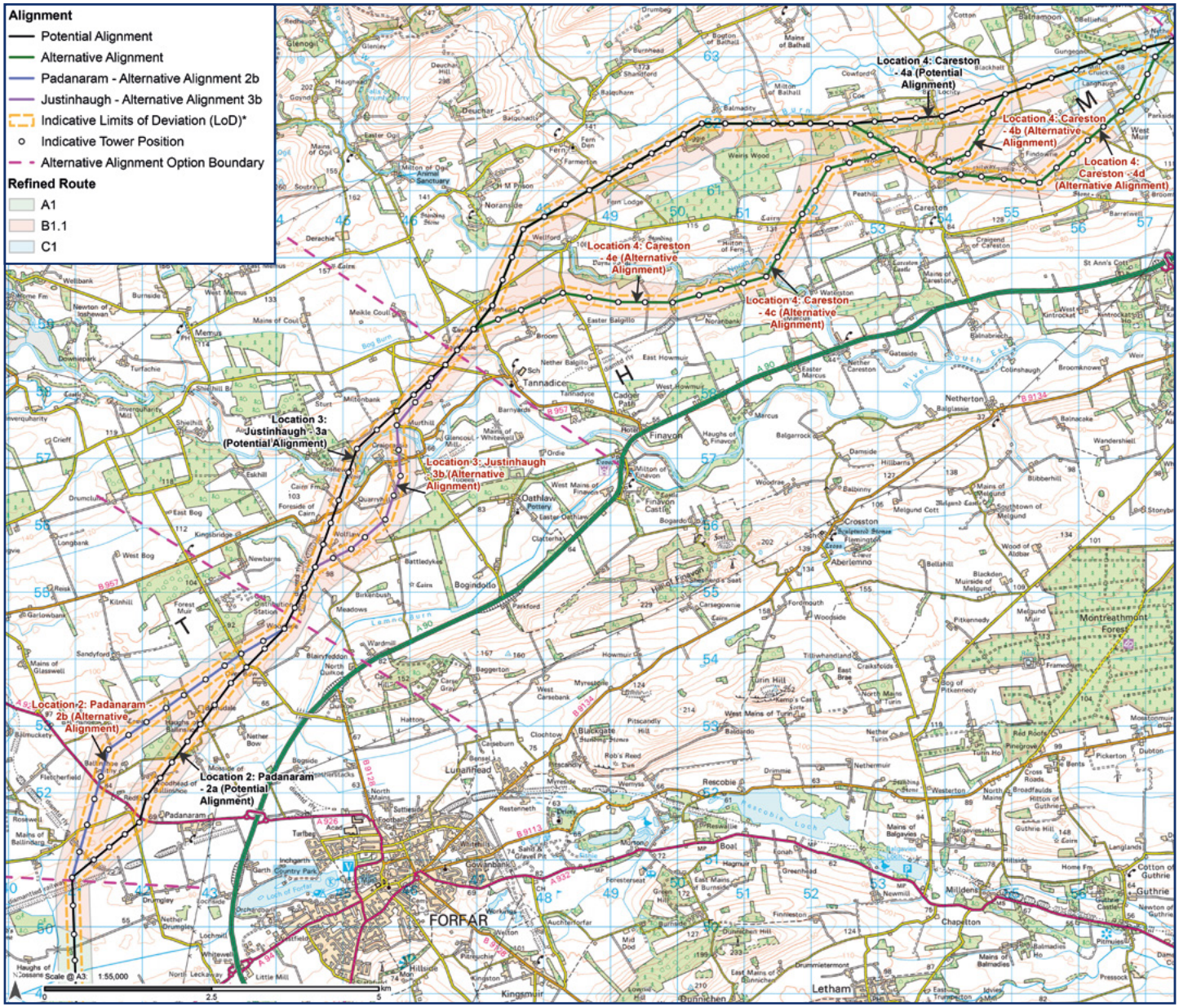
Conclusion

Alternative Alignment 8a is not considered to be the least constrained option from a technical and environmental perspective across all criteria. Alternative Alignment 8a would however be located close to fewer residential properties than Alternative Alignment 8b and is therefore less constrained in relation to proximity to communities, sensitive receptors, and visual amenity. On balance, Alternative Alignment 8a has therefore been taken forward as part of the Potential Alignment. Opportunities to mitigate environmental effects will be progressed through the detailed design and EIA.

Scottish & Southern Electricity Networks

TRANSMISSION

Section B – Forfar to Brechin



Please also see additional figures overleaf showing the five alternative alignment options at Location 4 Careston.

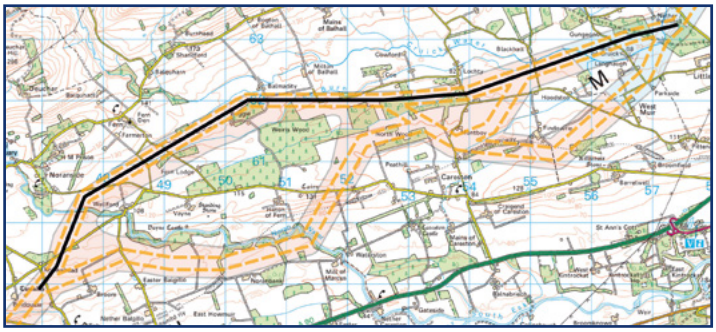
This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

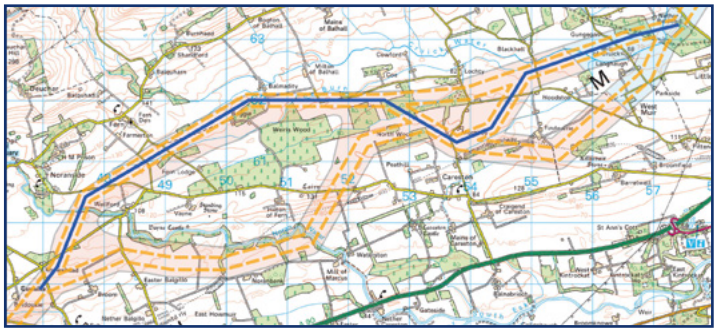
TRANSMISSION

Section B – Forfar to Brechin

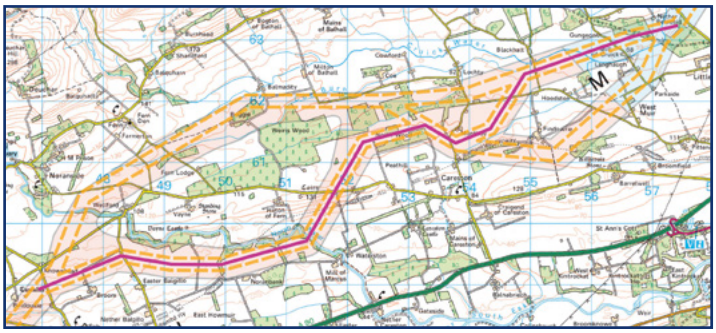
Location 4: Careston Potential Alignment 4a



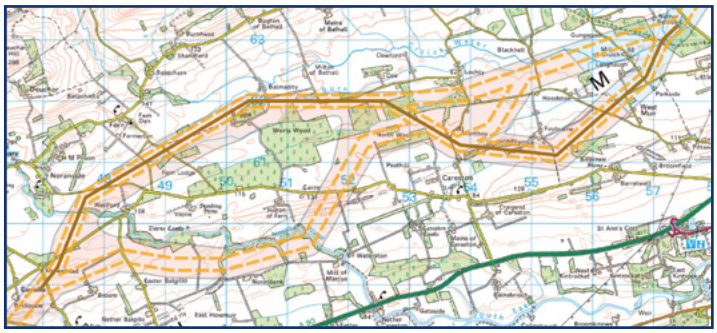
Location 4: Careston Alternative Alignment 4b



Location 4: Careston Alternative Alignment 4c



Location 4: Careston Alternative Alignment 4d



Location 4: Careston Alternative Alignment 4e

OS base maps are the latest available version from Ordnance Survey, dated July 2024. SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey.

Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2024 all rights reserved. Ordnance Survey Licence number 0100022432.

Scottish & Southern Electricity Networks

TRANSMISSION

Section B – Forfar to Brechin

Potential Alignment

The Potential Alignment in Section B (within Route B1.1) starts to the west of Forfar and initially passes in a northeast direction to the west of the settlement of Padanaram, and south of the Scheduled Monument at Ballinshoe Castle, spanning the Woodside Local Nature Conservation Site (LNCS) at its narrowest section. The alignment then crosses the A926 and B957 public roads and spans the River South Esk (a Special Area of Conservation designated for protected aquatic species) to the west of Justinhaugh Bridge.

The alignment continues to the northeast passing approximately 1 kilometre to the west of Tannadice village and crosses the Noran Water to the west of the settlement of Wellford, spanning a strip of ancient woodland on the banks of the river. The alignment continues in a northeastern direction to the north of Roughmount Wood and Weiris Wood then following a southeasterly course through Duns Wood and Lochty Wood past the settlement of Careston, located approximately 1.5 kilometres to the south of the alignment. The alignment continues in a northeastern direction across largely open agricultural land avoiding clusters of properties in the vicinity of Findowrie as it passes towards Little Brechin Wood into Section C.

Alternative Alignment Options

There are three locations where Alternative Alignments have been considered in Section B; at Location 2: Padanaram (two alternatives), Location 3: Justinhaugh (two alternatives) and Location 4: Careston (five alternatives).

Section B Location 2 – Padanaram

The key environmental, technical and cost considerations which differentiate between Alternative Alignment 2a (the Potential Alignment) and 2b at Padanaram include:

Environmental

- Both alignments cross some small areas of woodland, however it is considered that Alternative Alignment 2a offers greater opportunity than Alternative Alignment 2b to minimise the potential for felling through the southern edge of Forrestmuir Wood, which is also part of the Woodside LNCS. However Alternative Alignment 2a is slightly more constrained by long-established woodlands of plantation origin (LEPO) than Alternative Alignment 2b.
- Although both Alternative Alignments 2a and 2b avoid direct interaction with designated cultural heritage assets, Alternative 2b is considered to compromise the setting of two Scheduled Monuments, Ballinshoe Castle and Fletcherfield Enclosure. Whilst Alternative Alignment 2a would have some potential to compromise the setting of Ballinshoe Castle, it would be located further from the Scheduled Monument than Alternative Alignment 2b.
- Although the alternative alignments are considered to be similarly constrained for proximity to properties, Alternative Alignment 2a offers greater flexibility to ensure the OHL is located beyond 200 metres from residential properties. Alternative Alignment 2a also offers greater flexibility to locate the OHL further from sensitive visual receptors.
- Alternative Alignment 2b crosses an area of coniferous plantation woodland near Haughs of Ballinshoe which is slightly less preferred compared to Alternative Alignment 2a, which avoids interaction with areas of commercial forestry.

Technical

- Both alternative alignments would require towers to be situated within a floodplain, however Alternative Alignment 2b represents a higher technical risk. Alternative Alignment 2b maintains lower angles in comparison to Alternative Alignment 2a but runs in parallel with a high-pressure gas pipeline for a significant length which increases the mitigation required to resolve interference through induced voltage.

Cost

- Alternative Alignment 2a represents the marginally lower cost option primarily due to the overall length being shorter and requiring fewer towers.

Conclusion

Alternative Alignment 2a is considered to be least constrained from both an environmental and technical perspective and is the lower cost option. It has therefore been selected to form part of the Potential Alignment.

Scottish & Southern Electricity Networks
TRANSMISSION

Section B – Forfar to Brechin

Section B Location 3 – Justinhaugh

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 3a (Potential Alignment) and 3b at Justinhaugh include:

Environmental

- Both alternative alignments cross areas of riparian woodland along the River South Esk, a designated Special Area of Conservation (SAC), however Alternative Alignment 3b is assessed as being more constrained in relation to habitat biodiversity than Alternative Alignment 3a. Tower sizing and micrositing will help mitigate ecological constraints at the river crossing from construction, as well as reducing tree felling required of the riparian woodland.
- Alternative Alignment 3b cannot avoid the placement of towers in the 200-year future flood extent of the River South Esk, there is therefore greater potential for this alignment to compromise quality and/or quantity of surface or groundwater.
- Alternative Alignment 3a intersects the southeastern edge of Inshewan House Non-Inventory Designed Landscape (NIDL), however as this part of the designed landscape comprises open arable farmland without key designated features, an OHL alignment here could be located away from the core elements of the NIDL and would not intrude into key views from the House.
- Alternative Alignment 3b passes over an undulating elevated landform to the northwest of Battledykes, where the visual prominence of the OHL and its intervisibility with the surrounding area would be increased representing a slightly greater landscape and visual constraint than for Alternative Alignment 3a.

Technical

- Alternative Alignment 3b has a higher number of angle structures, which results in a technically more challenging alignment in terms of construction and operation, as well as a higher land take per tower. Alternative Alignment 3b also has more challenging crossing points with existing infrastructure and environmental aspects when considering the river and roads in the area.
- Both alternative alignments cross and are close to the River South Esk, which also has an associated flood risk, adding complexity to the constructability. However, Alternative Alignment 3a parallels these banks as well as crossing them, potentially increasing the associated risk of erosion.
- Alternative Alignment 3b crosses a high-pressure pipeline twice and runs in parallel with this pipeline for a longer distance than Alternative Alignment 3a, which will likely increase the mitigation required to resolve interference through induced voltage. There are some steep slopes associated with Alternative Alignment 3a which may increase the risk of constructability.

Cost

- There is no clear difference in relation to the estimated cost of the alternative alignments.

Conclusion

Alternative Alignment 3a is considered to be least constrained from both an environmental and engineering perspective and there is no clear difference in cost. It has therefore been selected to form part of the Potential Alignment.

Scottish & Southern Electricity Networks

TRANSMISSION

Section B – Forfar to Brechin

Section B Location 4 – Careston

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 4a (Potential Alignment), 4b, 4c, 4d and 4e at Careston include:

Environmental

- Although Alternative Alignments 4a, 4b and 4d intersect a small strip of ancient woodland of semi-natural origin where they cross the Noran Water, tower micrositing and sizing would help to mitigate felling required for the OHL, minimising woodland loss.
- Alternative Alignment 4a intersects Lochty Wood; an area of mature broadleaved LEPO woodland with some wet woodland and potential groundwater dependent terrestrial ecosystems (GWTDE). The other alternative alignments avoid crossing Lochty Wood but all affect LEPO woodland in either Duns Wood or North Wood. Alternative Alignment 4e also crosses the edge of Barrelwell Bog Local Nature Conservation Site (LNCS).
- Alternative Alignments 4c and 4e pass close to the Scheduled Monument at Law of Windsor Cairn, whilst Alternative Alignments 4a, 4b and 4d are located in close proximity to the Scheduled Monument at Wellford Enclosure. Alternative Alignments 4c and 4e would likely compromise the setting of Law of Windsor Cairn, whilst Alternative Alignments 4a, 4b and 4d have flexibility to provide some separation of the OHL from Wellford Enclosure.
- Alternative Alignments 4c and 4e would cross a locally prominent ridgeline at Hilton of Fern and are considered to compromise landscape character. The ridgeline forms a notably elevated area within a landscape that is generally low lying, increasing the prominence of an OHL in this area and the potential for adverse visual effects from a range of receptors.
- Whilst the level of constraint associated with visual amenity for Alternative Alignments 4a, 4b and 4d is considered to be similar, Alternative Alignment 4b is the most visually constrained due to the potential for visual impacts on receptors including the properties at Montboy.

Technical

- Alternative Alignment 4a has the smallest number of angle towers of all the options and overall follows the shortest route. Alternative Alignment 4b is the longest overall alignment and has a large number of angle towers. Alternative Alignment 4b also runs in parallel to a high-pressure gas pipeline for the longest distance which will increase the mitigation required to resolve interference through induced voltage.
- Alternative Alignment 4a has fewer angle structures than Alternative Alignment 4d, however Alternative Alignment 4d is considered the lowest risk of having to apply mitigation for interference with the gas pipeline through induced voltage.
- Based on desktop assessment, all the options have a similar risk rating in terms of flooding and terrain. For Alternative Alignments 4a, 4b and 4d the river crossing has steep gradients and Alternative Alignments 4c and 4e need to traverse a ridge.

Cost

- Alternative Alignment 4a is the lowest cost option with the other four alternative alignments being marginally more expensive.

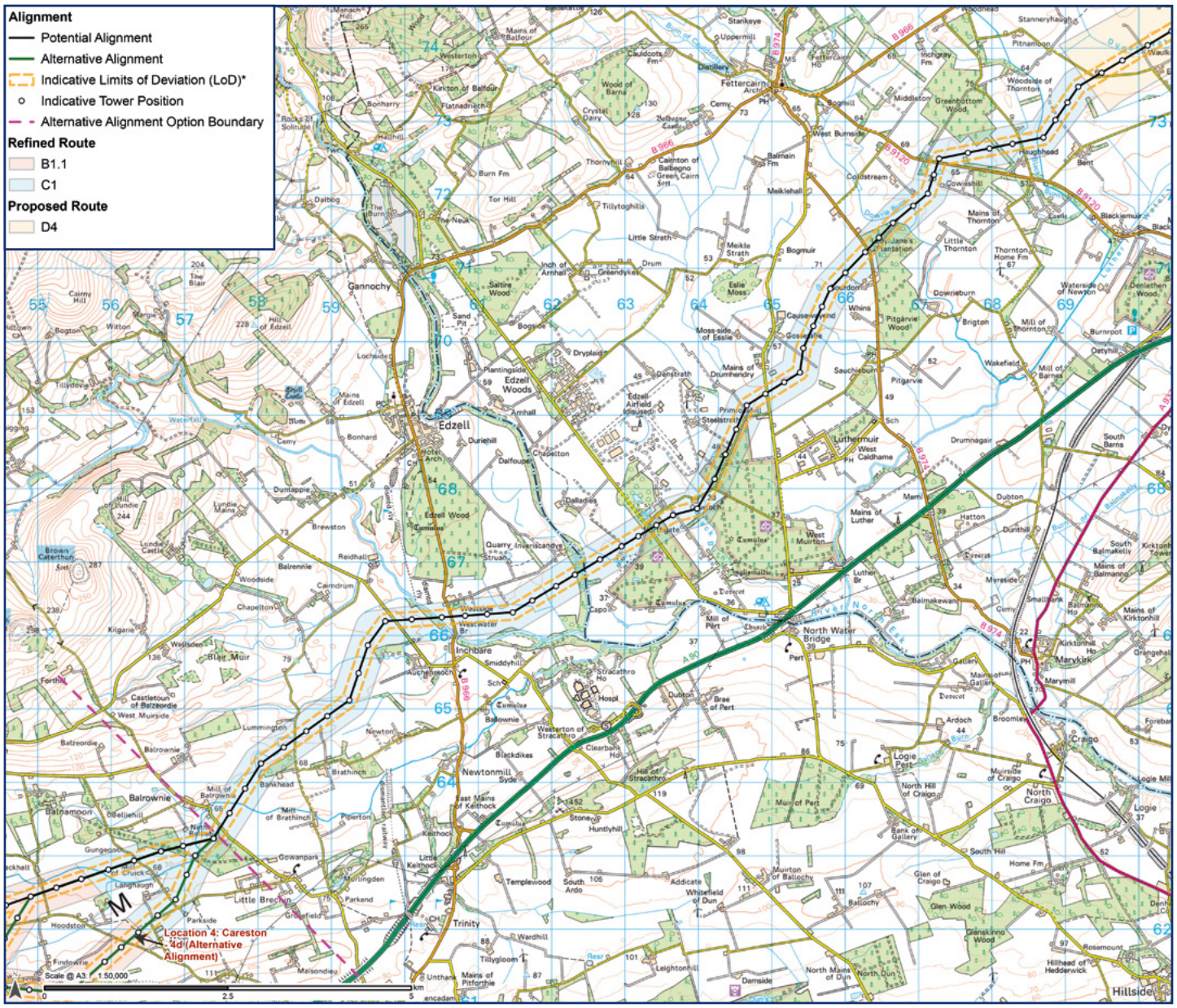
Conclusion

Although Alternative Alignment 4d is marginally preferred on environmental criteria, Alternative Alignment 4a is considered the least constrained from an engineering perspective and it is the lowest cost option. Alternative Alignment 4a has therefore been selected to form part of the Potential Alignment. Opportunities to mitigate environmental effects will be progressed through the detailed design and EIA.

Scottish & Southern Electricity Networks

TRANSMISSION

Section C – Brechin to Laurencekirk



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section C – Brechin to Laurencekirk

Potential Alignment

The Potential Alignment in Section C (within Route C1) starts to the northwest of Brechin, initially passing in a northeastern direction between Belliehill Wood and Little Brechin Wood to Auchenreoch where the alignment crosses the West Water. Due to the pinch point of properties at the settlement of Inchbare and south of Ezdell Wood, the alignment is unable to avoid the fluvial floodplain areas of the West Water. South of Edzell Wood, the alignment continues in an eastern direction, crossing the B966 Brechin to Edzell public road between clusters of properties and then follows a northeastern path across open agricultural land.

The alignment then crosses the River North Esk at a point to the southeast of the settlement of Edzell, skirting the edges of woodland areas at Capo Plantation and Inverury Wood and passing the former Edzell Airfield site, now being redeveloped with a range of land uses, which is located to the north of the alignment.

The alignment passes 1 kilometre to the north of the small settlement Luthermuir following a northeastern course through gently rising agricultural land to the south of Eslie Moss Site of Special Scientific Interest (SSSI). It then crosses the B974 Fettercairn to Marykirk public road and through the northern edge of mixed woodland at Lady Jane's Plantation, continuing in a northeastern direction to the south of Greenbottom Wood (both of which are long-established woods of plantation origin, LEPO). The alignment then continues in a northeastern direction through the Howe of the Mearns to a point approximately 2 kilometres northwest of the town of Laurencekirk where it connects with the Potential Alignment in Section D.

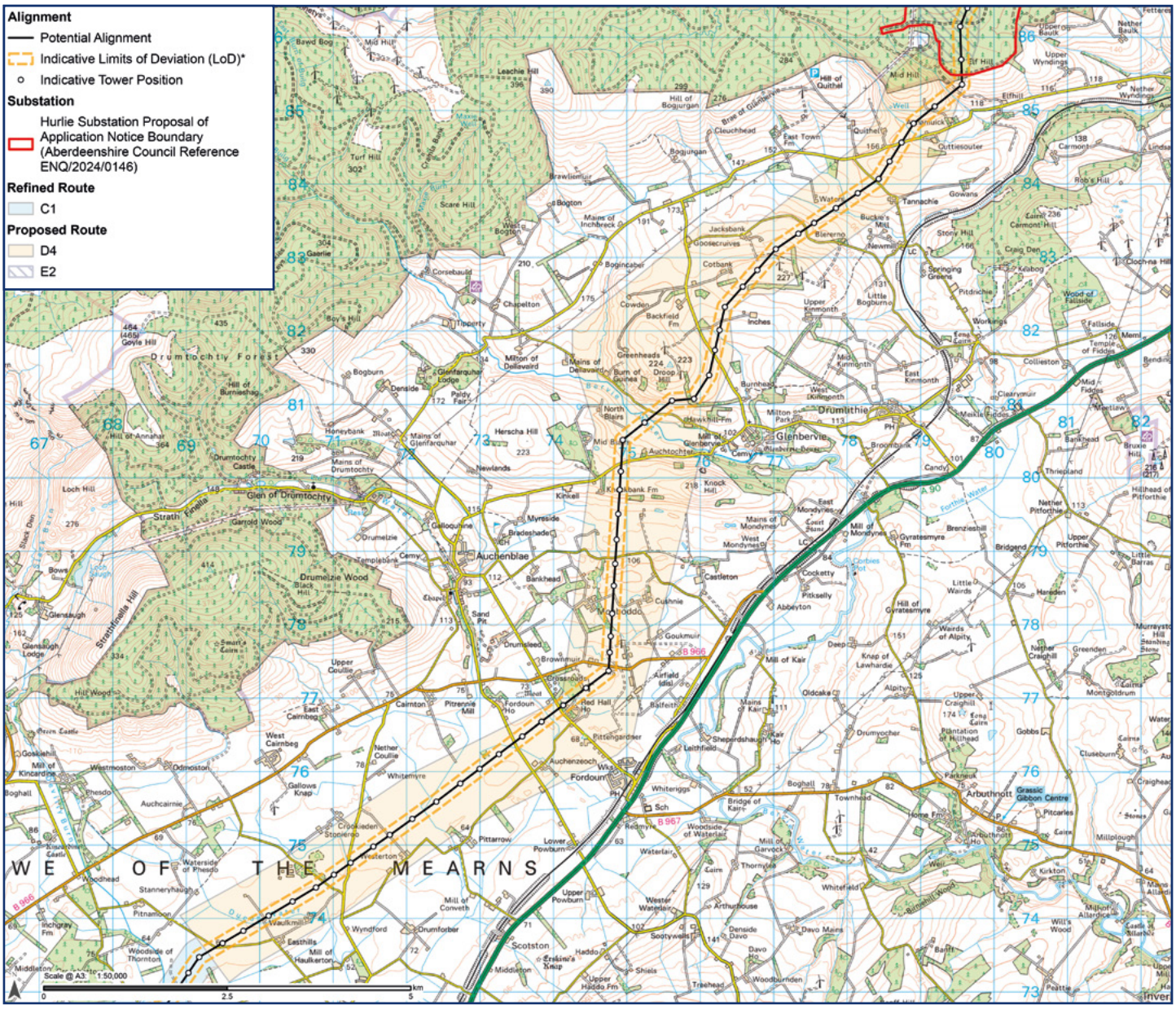
Alternative Alignment Options

Following the confirmation of the proposed route C1 in the November 2023 Report on Consultation (RoC) (Kintore to Tealing OHL RoC November 2023), work began to identify an alignment and possible alternative alignments within route C1. During the alignment development work, no alternative alignments were identified and a Potential Alignment was designed taking account of the varying technical, land use and environmental constraints throughout Section C. The alignment proposed in C1 offers a technically feasible option and avoids or limits interactions with environmental and community constraints.

Scottish & Southern Electricity Networks

TRANSMISSION

Section D – Laurencekirk to Hurlie substation



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section D – Laurencekirk to Hurlie substation

Potential Alignment

The Potential Alignment in Section D (within Route D4) starts to the northwest of Laurencekirk, avoiding clusters of properties as it initially passes through gently undulating farmland. It crosses a number of minor roads in a generally northeastern direction, where it passes between the settlement of Fordoun to the southeast and the village of Auchenblae to the northwest. As the alignment moves further to the northeast, avoiding Auchenblae Conservation Area, it also increases distance from higher ground associated with the Braes of the Means Special Landscape Area (SLA).

The alignment navigates a pinch point of properties and Fordoun Aerodrome and avoids being within key views of a Listed Building at House of Redhall. The alignment then crosses the B966 public road close to the location of commercial sites on land formerly used for a military airfield.

It continues in a northern direction over more undulating topography past the settlement of Monboddo, crossing the Bervie Water in a valley to the west of Glenbervie village, avoiding Glenbervie Garden and Designed Landscape (GDL). The alignment passes northwards over steeply rising ground following the lower southern and eastern slopes of Droop Hill to avoid complex hydrology and a site with planning permission for a windfarm. At Cotbank, the alignment then follows a northeastern direction through an undulating landscape with several wind turbines, then uphill across a varied and undulating upland landscape with occasional woodland shelterbelts. It then runs steeply uphill towards the site of the new proposed 400kV substation at Hurlie in Fetteresso Forest.

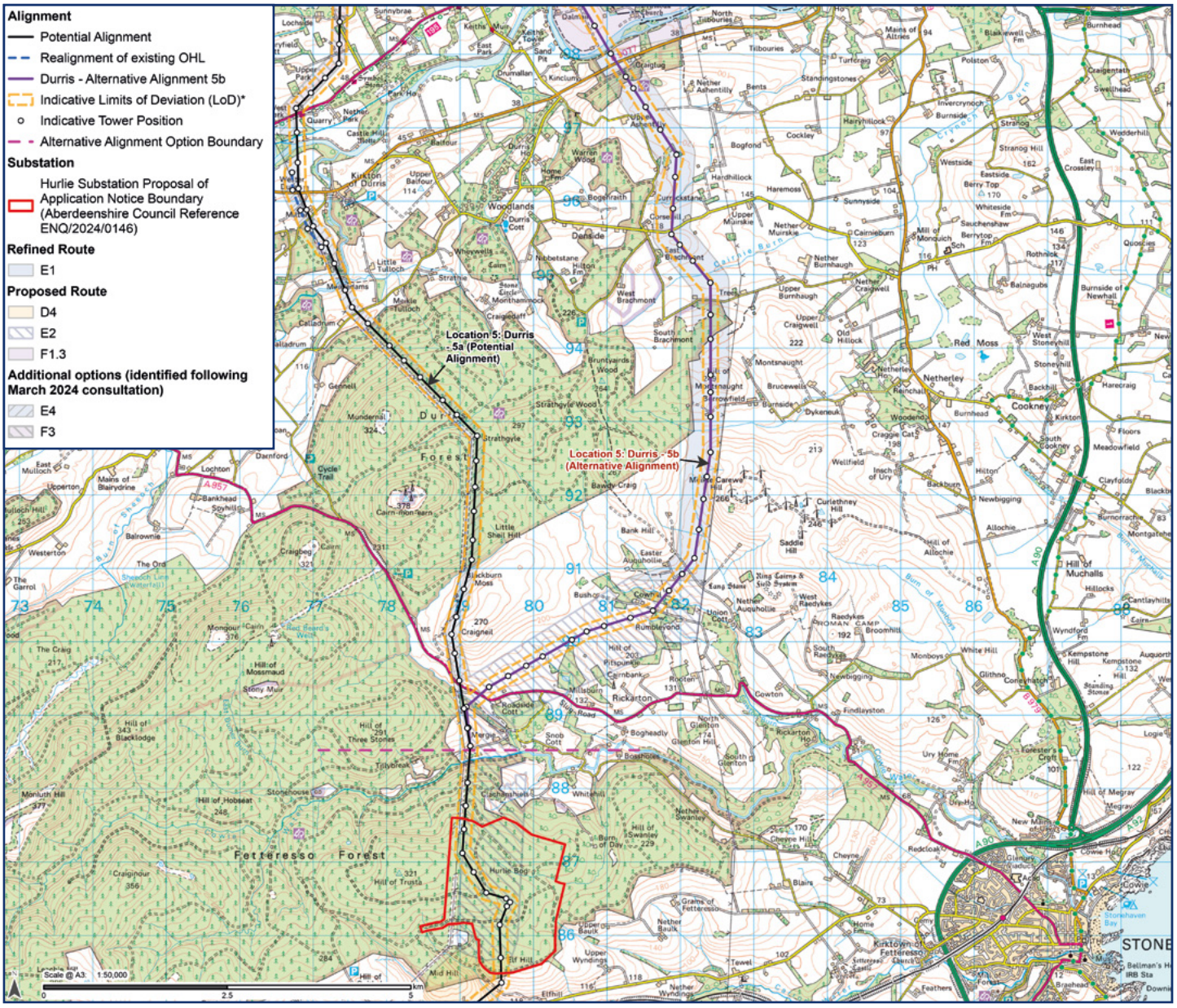
Alternative Alignment Options

Following the identification of route option D4 in the November 2023 Report on Consultation (RoC) (Kintore to Tealing OHL RoC November 2023), work began to identify an alignment and possible alternative alignments within route D4 (and route option D5). During the alignment development work, no alternative alignments were identified and a Potential Alignment was designed taking account of the varying technical, land use and environmental constraints throughout Section D. The alignment proposed in D4 offers a technically feasible option and avoids or limits interactions with environmental and community constraints.

Scottish & Southern Electricity Networks

TRANSMISSION

Section E – Hurlie substation to River Dee



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section E – Hurlie substation to River Dee

Potential Alignment

The Potential Alignment in Section E (within Route E2 and Route E4) begins at the proposed new Hurlie 400 kV substation site in Fetteresso Forest and passes in a northern direction through Fetteresso Forest and then over high ground at Craigneil Hill and Durris Forest following the line of an existing 275 kV OHL to the immediate west of the alignment. The alignment then continues in a northern direction to the west of the village of Kirkton of Durris before crossing the River Dee north of Wester Durris. The Potential Alignment crosses the A93 Aberdeen to Banchory public road between West Park and Nether Park and to the west of Park House Garden and Designed Landscape (GDL) before following a northerly course over gently rising ground adjacent to the Loch of Park Site of Special Scientific Interest (SSSI) (which would be avoided to the west of the alignment) and continuing through to Coldstream Plantation[1].

Alternative Alignment Options

There is one location where Alternative Alignments have been considered in Section E; at Location 5: Durris (two alternatives). The key environmental, technical and cost considerations which differentiate between Alternative Alignment 5a (Potential Alignment) and Alternative Alignment 5b include:

Environmental

- Both alternative alignments are likely to have groundwater dependent terrestrial ecosystem (GWDTE), however due to locations and extents, there is more flexibility to avoid these areas in Alternative Alignment 5b.
- The 480 metre wide floodplain extent of the River Dee cannot be spanned between adjacent OHL towers where Alternative Alignment 5a crosses the watercourse, which may compromise the quality and/or quantity of surface waters. In comparison, Alternative Alignment 5b is less likely to result in impacts to water flow pathways to surface and groundwater due to the shorter span required to cross the floodplain.
- Although the alternative alignments are considered to have similar constraints in relation to ornithology, there is a larger extent of suitable habitat for certain birds of conservation concern (BoCC), such as waders, in Alternative Alignment 5b in comparison to the Alternative Alignment 5a.
- Alternative Alignment 5a is located closer to Park House GDL than Alignment 5b, however it is further from Drum Castle GDL and the associated Category A Listed Building at Drum Castle, which are key constraints for Alternative Alignment 5b (see also separate handout on Section F available at: ssen-transmission.co.uk/TKUP).
- Alternative Alignment 5b is located closer to a larger number and density of residential properties, particularly at Drumoak (including a primary school), than Alternative Alignment 5a, and therefore is considered to be more constrained in relation to proximity to dwellings, sensitive receptors, views and visual amenity.

Technical

- Alternative Alignment 5b has a significantly higher interaction with high pressure gas pipelines in comparison to Alternative 5a and will require more mitigation to resolve interference through induced voltage. Both alternative alignments cross two A-roads and the River Dee, with similar constraints associated with these crossings. Alternative Alignment 5a would require realignment of the existing Kintore - Fetteresso OHL, which would include network outages.
- Alternative Alignment 5a passes through a wider area of surface and river flood risk, however it is expected that tower micrositing and mitigation will sufficiently manage any risks associated with tower installation in these areas.
- Alternative Alignment 5b has a significantly higher number of angle structures (towers) overall, is a longer route and is close to a higher number of properties throughout the route than Alternative Alignment 5a.

Cost

- Alternative Alignment 5a has a marginally lower cost than Alternative Alignment 5b principally due to its shorter length.

Conclusion

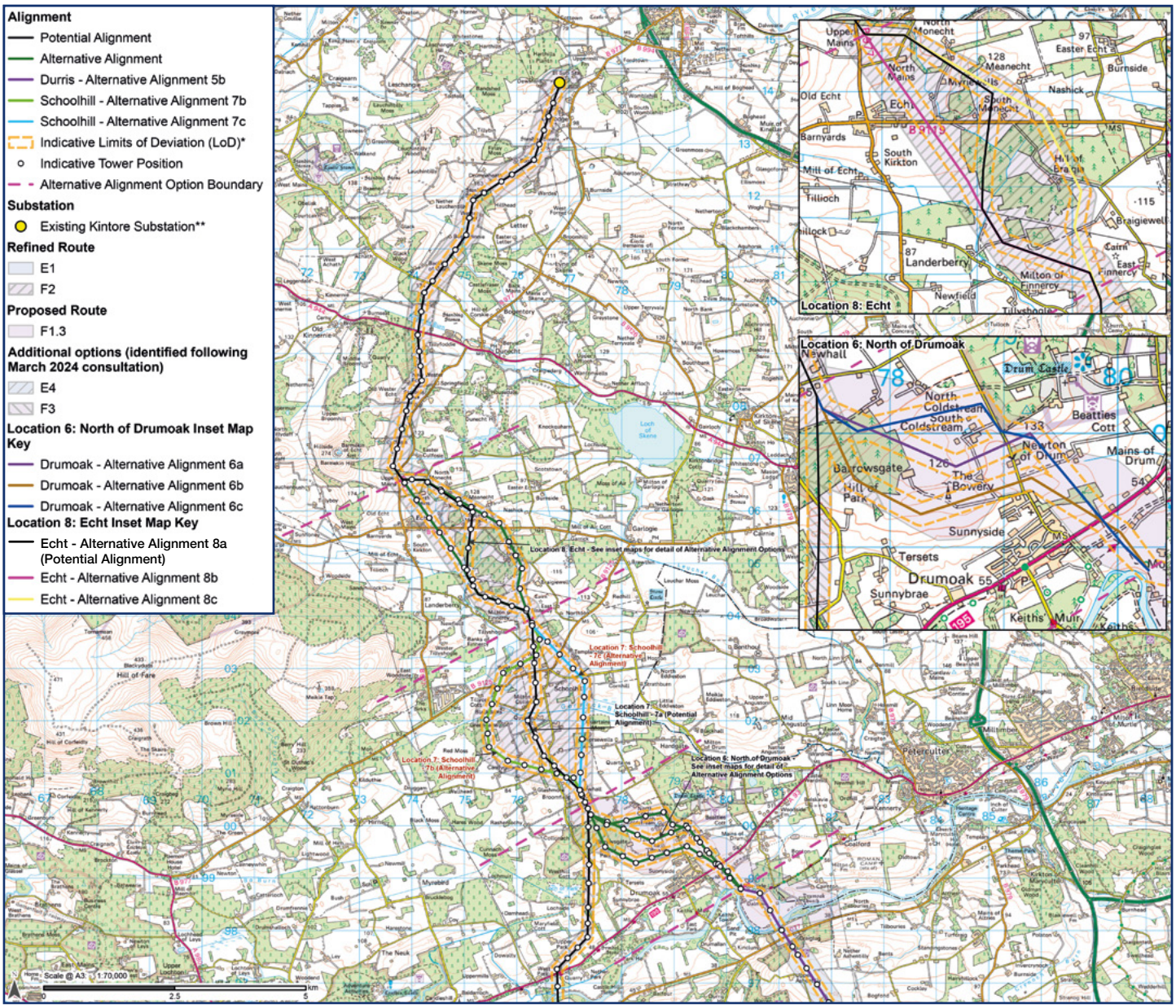
Alternative Alignment 5a has been taken forward as the Potential Alignment over Alternative Alignment 5b as it is less constrained technically however it would involve realignment of the existing Kintore – Fetteresso OHL (currently being uprated from 275 kV to 400 kV) which is technically complex. Alternative Alignment 5a is also the lower cost of the two alignment options considered. There is no clear overall preference across the various environmental criteria which have been appraised. Alternative Alignment 5a would be located close to fewer residential properties than Alternative Alignment 5b and is therefore less constrained in relation to proximity to dwellings, sensitive receptors, and visual amenity.

[1] The Potential Alignment described from the River Dee crossing to Coldstream Plantation is located in Section F of the Proposed Route for the OHL. It is included in this handout for Section E because the Alternative Alignments appraised in Section E both continue for approximately 4km into Section F before meeting at a common point northwest of Drumoak. The appraisal of these alternatives has been undertaken from their common points at Hurlie (in the south) and Coldstream Plantation (in the north) to facilitate an objective comparison and irrespective of the Route sections in which they are located. A separate handout is available for Section F at ssen-transmission.co.uk/TKUP.

Scottish & Southern Electricity Networks

TRANSMISSION

Section F – River Dee to Kintore



This leaflet summarises the information provided in the Kintore to Tealing Alignment Consultation Document, which can be found here: **ssen-transmission.co.uk/TKUP.**

Scottish & Southern Electricity Networks

TRANSMISSION

Section F – River Dee to Kintore

Potential Alignment

The Potential Alignment in Section F (within Route F2 and F3) begins north of the River Dee having crossed at Wester Durris. The alignment crosses the A93 Aberdeen to Banchory public road between West Park and Nether Park, avoiding Park House Garden and Designed Landscape (GDL), before following a northerly course over gently rising ground adjacent to the Loch of Park Site of Special Scientific Interest (SSSI) (which would be avoided to the west of the alignment) and continuing through to Coldstream Plantation.

The alignment then follows a course in a north-northwestern direction crossing the B9125 public road to the west of the settlement of Schoolhill and passing to the east of the village of Echt, where it also crosses the B9119 public road. The alignment then follows a generally northeastern direction to the east of the prominent high ground of Barmekin Hill Fort Scheduled Monument, with its summit hilltop and parallel to the Dunecht Garden and Designed Landscape (GDL), with the Loch of Skene Special Protection Area (SPA)/SSSI/Ramsar site located further to the east. The alignment crosses the A944 Westhill to Alford public road on undulating ground to the west of Dunecht village and passes through an open agricultural landscape with occasional plantations for 5 kilometres before connecting with the existing Kintore Substation at the northern end of the section.

Alternative Alignment Options

There are three locations where Alternative Alignments have been considered in Section F; Location 6: North of Drumoak (three alternatives), Location 7: Schoolhill (three alternatives) and Location 8: Echt (three alternatives). The Alternative Alignments in Location 5: Durris are discussed in the separate handout for Section E, because whilst the northern end of these options lie within Section F, they are predominantly located in Section E (see separate handout on Section E available at ssen-transmission.co.uk/TKUP).

Section F Location 6 – North of Drumoak

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 6a (the Potential Alignment), 6b and 6c North of Drumoak include:

Environmental

- Alternative Alignment 6a does not cross any wide floodplain areas, watercourses, known Private Water Supply (PWS) sources or known abstractions, however Alternative Alignments 6b and 6c are both constrained by potential PWS abstraction sources.
- All alternative alignments pass close to Drum Castle Garden and Designed Landscape (GDL) and within 2 kilometres of two Scheduled Monuments (Bogton Cairn, Field System and Trackway and Normandykes Roman Camp). Alternative Alignment 6c would cut across the southwest corner of the GDL and would disturb an area of ancient woodland. It would adversely impact upon the setting of the designated area and potentially on views from the nearby Category A listed Drum Castle. Although Alternative Alignment 6a and Alternative Alignment 6b may also compromise the setting of Drum Castle, they would be less likely to be visible in key views of the Castle compared to Alternative Alignment 6c.
- Alternative Alignment 6a is located at a greater distance from the settlement of Drumoak than Alternative Alignment 6b and is considered to have lower potential for changes to landscape character and woodland loss than Alternative Alignment 6c.

Technical

- All alternative alignments cross a number of major high pressure gas pipelines which would require mitigation to resolve interference through induced voltage. They also cross the A93 public road which would require mitigation.
- Alternative Alignment 6a and Alternative Alignment 6c require angle towers with steeper angles, with Alternative Alignment 6b requiring more towers, but with less steep angles. Alternative Alignment 6b has the highest number of residential properties in close proximity and also passes close to two communications masts on the hillside above Drumoak.

Cost

- There is no significant cost difference between the alternative alignments. Alternative Alignment 6a (the Potential Alignment) and Alternative Alignment 6c are slightly shorter in length than Alternative Alignment 6b but have additional angle tower requirements which include steeper angle structures.

Conclusion

Alternative Alignment 6a is considered to be the least constrained option from an environmental perspective. The technical preference is Alternative Alignment 6b due to having less steeper angle structures required. There is no significant difference in cost between the options. Alternative Alignment 6a would be taken forward as part of the Potential Alignment should Alternative Alignment 5b proceed instead of Alternative Alignment 5a at Location 5 Durris (see separate handout on Section E available at ssen-transmission.co.uk/TKUP).

Scottish & Southern Electricity Networks
TRANSMISSION

Section F – River Dee to Kintore

Section F Location 7 – Schoolhill

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 7a (the Potential Alignment), 7b and 7c at Schoolhill include:

Environmental

- Alternative Alignment 7b is constrained by Candyglirach Local Nature Conservation Site (LNCS) where some tree felling would be required to install an OHL. The other two alternative alignments would not be constrained by this site.
- Although all alternative alignments cross watercourses and the floodplain of the Gormack Burn, there is more opportunity in Alterative Alignment 7a to avoid the flood risk area and associated watercourses.
- Alternative Alignment 7b has the potential to compromise the setting of two Scheduled Monuments, at Tillyhorn Moated Homestead and East Finnercy Cairn, to a greater extent than Alternative Alignment 7a and Alternative Alignment 7c due to its closer proximity.
- The effects of woodland loss associated with Alternative Alignment 7b would have greater constraints on landscape character than for the other two alternatives.

Technical

- All alignments cross flood risk zones, however Alternative Alignment 7a could be designed to span the floodplain whereas Alternative Alignments 7b and 7c would require towers to be sited within the floodplain.
- Alternative Alignment 7c requires a greater number of angle towers than the other options. All alternative alignments cross high pressure gas pipelines, however Alternative Alignment 7b crosses them at a preferable angle, compared to Alternative Alignment 7a and Alternative Alignment 7c which have a higher likelihood of requiring mitigation to resolve interference through induced voltage.

Cost

- Alternative Alignment 7a (the Potential Alignment) presents the lowest cost due to overall length and number of tower structures.

Conclusion

Alternative Alignment 7a is considered to be least constrained from both an environmental and engineering perspective and is the lowest cost option. It has therefore been selected to form part of the Potential Alignment.

Scottish & Southern Electricity Networks

TRANSMISSION

Section F – River Dee to Kintore

Section F Location 8 – Echt

The key environmental, technical and cost considerations which differentiate between Alternative Alignments 8a (the Potential Alignment), 8b and 8c at Echt include:

Environmental

- Although Alternative Alignment 8b has towers situated in the flood risk areas near Landerberry, there are opportunities to microsite towers outwith these areas. There are no associated sensitive habitats constraining the alignment. Alternative Alignment 8b intersects fewer areas of long-established woodlands of plantation origin (LEPO) in comparison to Alternative Alignment 8a and 8c and it is less constrained generally in relation to habitat sensitivity and biodiversity.
- All alternative alignments pass close to the southwestern edge of Dunecht House Garden and Designed Landscape (GDL). However, there is considered to be flexibility to position the alignments to avoid any direct impact on the designated area. Alternative Alignments 8a and 8b follow a course for a slightly greater distance than Alignment 8c to the south of the GDL.
- Alternative Alignment 8b is located closer to a larger number and density of residential properties at Echt (which includes a primary school), than Alternative Alignments 8a and 8c, and therefore is considered to be more constrained in relation to proximity to dwellings, sensitive receptors and visual amenity. There are also more sensitive visual residential receptors with potential views of an OHL for Alternative Alignment 8b, especially in the vicinity of Echt village, when compared to the other two alternative alignments.
- Alternative Alignment 8b partially intersects the boundary of a planning application within the northeast part of Echt village for 25 dwelling houses. There is limited flexibility to avoid this constraint and achieve, as far as possible, the target distance of 170 m between the OHL and the planned residential properties. Alternative Alignment 8a and Alternative Alignment 8c do not cross any locations with proposed or consented planning applications.

Technical

- All alternative alignments cross an existing 132kV overhead line near Landerberry which would require modification to both the existing and proposed OHL circuits to ensure they are easily maintained in the future. All alternative alignments also cross the B9119 public road which would require careful management during construction.
- Alternative Alignment 8b passes through more watercourse and surface water flood risk areas compared to Alternative Alignment 8a and Alternative Alignment 8c. However, it is expected that during micrositing no towers would need to be situated within the flood risk areas.
- Alternative Alignments 8a and 8c have a larger number of angle towers in total. This is technically more challenging from a constructability and maintainability perspective.
- Alternative Alignment 8b passes between the residential properties at Echt and South Monecht whereas Alternative Alignments 8a and 8c push the alignment further to the east, reducing the number of properties it interfaces with.
- None of the alternative alignments cross any high pressure gas pipelines, however Alternative Alignment 8c does run in parallel for approximately 1 kilometre which would require mitigation to resolve interference through induced voltage.

Cost

- Alternative Alignment 8b is the preferred alignment option from a cost perspective as it is the lowest cost with the lowest number of towers.

Conclusion

Alternative Alignment 8a is not considered to be the least constrained option from a technical and environmental perspective across all criteria. Alternative Alignment 8a would however be located close to fewer residential properties than Alternative Alignment 8b and is therefore less constrained in relation to proximity to communities, sensitive receptors, and visual amenity. On balance, Alternative Alignment 8a has therefore been taken forward as part of the Potential Alignment. Opportunities to mitigate environmental effects will be progressed through the detailed design and EIA.

APPENDIX C – PUBLIC CONSULTATION NEWSPAPER ADVERTISEMENTS

Angus County Press
URN: SEM6051732 Date: 2024-09-26 Section: ROP
Advertiser: SSEN Transmission Page: 9/32

mediaferry
vouchering solution

NEWS

(Pic: Jeff J Mitchell/Getty Images)

CLIMATE CHANGE

Tackling the climate emergency is another issue high on the new incoming leader's list of priorities.

The biggest climate challenge facing Angus Council is on the new leader's doorstep with Montrose Beach and its famous golf links disappearing at an alarming rate due to coastal erosion.

At the moment the council is spending half of it's £120m five-year capital plan on the building of the new Monifieth learning campus, but councillor Duff has warned that more of the council's budget going forward will be spent on climate change mitigation.

"Now as we go forward I think the percentage of the capital plan that will need to be spent on mitigating climate change – that's going to take a larger and larger proportion of our budget going forward," said Mr Duff

"We will have to spend more of the capital on things more related to climate change and less on other things.

"This is something that's going to be a fact of life and we're going to have to accept that.

"Perhaps on things like schools, sports centres, all that sort of thing, it will be difficult to spend as much money on that going forward given the pressure of dealing with climate change."

COUNCIL TAX

Stepping into the top role Mr Duff has to steer a council that is wrestling with a £37.5m funding gap in the next three years.

However, the councillor has warned with fewer money-saving options on the table to fill the gap Angus locals can expect to face a significant council tax increase.

"We have done a lot of cost saving, it's now getting increasingly difficult because all the easy stuff has been done," said Mr Duff.

"The amount of money we can save from the conventional cost saving is getting less and less.

"We are going to have to increase council tax, and we flagged up some ago that it's likely to be a double-digit increase.

"There was an estimate of 10 per cent, but there was still a deficit so that 10 per cent wasn't enough on that basis. We've got to be honest with people, it's going to be that level of magnitude."

STABILISING THE COUNCIL

Mr Duff also wants to unify the council chamber after what he said was a "turbulent summer" for the authority.

Beth Whiteside stood down as leader. SNP councillor Linda Clark also replaced former Angus Provost Brian Boyd, who resigned after an outburst during a council meeting left a fellow councillor Lois Speed in tears.

"It's been quite a turbulent summer, I think an element of stability is needed," said Mr Duff.

"We need to all work together and I think that goes beyond just the administration group."

However, last week, Councillor Serena Cowie announced that she was quitting the SNP party over Scottish Government cuts, resulting in the new leader inheriting a minority administration.

Mr Duff said: "It will be more challenging, we will have to negotiate and discuss with other groupings and getting things done will be a bit more difficult.

"We might have certain things we won't be able to do, inevitably we might lose some votes, we just have to accept that – that's life as a minority administration."

• Serena Cowie will continue to represent her Arbroath ward as an independent councillor following her decision to leave the SNP.

Explaining her decision, Cllr Cowie said: "I believe the party and I are now in different places on too many issues, particularly with regard to the environmental agenda."

She added: "It is a huge privilege to serve my constituents, and please be assured I will continue to do so to the very best of my ability."

Property prices

House prices dropped slightly, by 0.2 per cent in Angus in July, new figures show.

But the drop does not reverse the longer-term trend, which has seen property prices in the area grow by 3.3 per cent over the last year.

The average Angus house price in July was £171,277. Registers of Scotland figures show a 0.2 per cent decrease on June.

Over the month, the picture was different to that across Scotland, where prices increased 3.1 per cent. Over the last year, the average sale price of property in Angus rose by £5,400 – putting the area 22nd among Scotland's 32 local authorities with price data for annual growth.

The highest annual growth was in the Shetland Islands, where prices increased on average by 18.1 per cent, to £211,000.

Kintore to Tealing 400kV Connection Project

Scottish & Southern Electricity Networks
TRANSMISSION

Overhead line alignment consultation events

We are hosting a series of public events across the project route from 23 September until 10 October 2024. These events form part of the pre-application consultation process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

We will be sharing our potential alignment for the overhead line, with alternative alignment options in some locations, presented through maps and visualisations. Interested parties can attend our drop-in events to discuss our plans with the project team and share views.

Feedback can be provided through printed forms available at the events, the online form available from the project webpage or in email to the Community Liaison Manager.

The feedback period will be open until Thursday 21 November 2024.

Any comments made to us as the Applicant are not representations to Scottish Ministers as the decision makers. There will be opportunity to make formal representations to Scottish Ministers via the Energy Consents Unit following the submission of the section 37 application.

The events will be held at the following locations:

Monday 23 September, 1.30-6.30pm
Tealing Village Hall, Hall Road, Inverdake, Tealing, DD4 0QW

Tuesday 24 September, 2-7pm
Royal Hotel, Wallace Suite, 33 Castle Street, Forfar, DD8 3AE

Wednesday 25 September, 2-7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Thursday 26 September, 2-7pm
Brechin City Hall, 9 Swan Street, Brechin, DD9 6EE

Monday 30 September, 2-7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 1 October, 1.30-6.30pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Wednesday 2 October, 2-7pm
Echt Hall, Echt, Westhill, AB32 6UL

Thursday 3 October, 2-7pm
Drumoak, Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Monday 7 October, 2-7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 8 October, 2-7pm
Stonehaven Town Hall, Allardice Street, Stonehaven, AB39 2BU

Wednesday 9 October, 2-7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Thursday 10 October, 2-7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

If you have any questions, please do not hesitate to contact our Community Liaison Manager:
Rob Whytock
SSEN Transmission,
200 Dunkeld Road,
Perth, PH1 3GH
Email: tkup@sse.com

Find out more
Register for project updates, visit the project website by scanning the QR code, or use the following URL:
ssen-transmission.co.uk/tkup

ssen-transmission.co.uk
SSEN Transmission
SSETransmission
SSEN-Transmission

THE COURIER & ADVERTISER
Monday, September 9, 2024

Family man signed up to build dream

BY ALEX BANKS

STANDARDS: John Young wanted to build his own vision. Picture by Steve Brown.

A Dunfermline man has told how he has kept his sign making business successful for 15 years.

John Young wanted to "create something different" and started Rosyth business John Young Signs in 2009. He answered our questions on his struggles, achievements and more.

How and why did you start in business?

I wanted to create something that reflected my vision and standards, rather than working to build someone else's dream.

Our company specialises in high-end signage and rebrands, including shop frontage, vehicle livery, and custom-made signage.

How did you get to where you are today?

Through hard work, learning from our mistakes, and strong family support.

Our growth has been bolstered by strategic networking.

Who helped you?

My wife, as a director, has been a constant source of motivation, and guiding our business decisions.

My youngest son Matthew's expertise in design and fitting has been instrumental in maintaining the quality of our products, while my oldest son Cameron's role in marketing and networking has helped us build strong relationships with clients and partners.

We've also received tremendous support through fantastic members of staff, networking with the FSB, Fife Chamber, Fore Business, and BNI.

What's the best piece of advice you've ever had?

Never give up.

What is your biggest mistake?

Initially building our team more on heart than on strategic fit.

What is your greatest achievement?

Winning Fife Business of the Year through the Fife Chamber of Commerce. It was a testament to our commitment to quality and our impact within the local business community.

How are you managing rising costs?

We've managed rising costs by carefully adjusting our pricing and improving efficiency without compromising on quality.

The government could assist small businesses like ours by offering tax relief.

What do you do to relax?

I enjoy playing golf and I love taking weekend drives, which helps me recharge.

What do you waste your money on?

I have a passion for collecting whisky. I also spend on petrol for my V8 Mustang.

Kintore to Tealing 400kV Connection Project

Scottish & Southern Electricity Networks
TRANSMISSION

Overhead line alignment consultation events

We are hosting a series of public events across the project route from 23 September until 10 October 2024. These events form part of the pre-application consultation process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

We will be sharing our potential alignment for the overhead line, with alternative alignment options in some locations, presented through maps and visualisations. Interested parties can attend our drop-in events to discuss our plans with the project team and share views.

Feedback can be provided through printed forms available at the events, the online form available from the project webpage or in email to the Community Liaison Manager.

The feedback period will be open until Thursday 21 November 2024.

Any comments made to us as the Applicant are not representations to Scottish Ministers as the decision makers. There will be opportunity to make formal representations to Scottish Ministers via the Energy Consents Unit following the submission of the section 37 application.

The events will be held at the following locations:

Monday 23 September, 1.30-6.30pm
Tealing Village Hall, Hall Road, Inverdake, Tealing, DD4 0QW

Tuesday 24 September, 2-7pm
Royal Hotel, Wallace Suite, 33 Castle Street, Forfar, DD8 3AE

Wednesday 25 September, 2-7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Thursday 26 September, 2-7pm
Brechin City Hall, 9 Swan Street, Brechin, DD9 6EE

Monday 30 September, 2-7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 1 October, 1.30-6.30pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Wednesday 2 October, 2-7pm
Echt Hall, Echt, Westhill, AB32 6UL

Thursday 3 October, 2-7pm
Drumoak, Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Monday 7 October, 2-7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 8 October, 2-7pm
Stonehaven Town Hall, Allardice Street, Stonehaven, AB39 2BU

Wednesday 9 October, 2-7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Thursday 10 October, 2-7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

If you have any questions, please do not hesitate to contact our Community Liaison Manager:
Rob Whytock
SSEN Transmission,
200 Dunkeld Road,
Perth, PH1 3GH
Email: tkup@sse.com

Find out more
Register for project updates, visit the project website by scanning the QR code, or use the following URL:
ssen-transmission.co.uk/tkup

ssen-transmission.co.uk
SSEN Transmission
SSETransmission
SSEN-Transmission

THE PRESS AND JOURNAL
Monday, September 23, 2024

BBC stars gear up for special ramble

BY HANNAH ROBERTS

The Countryfile Ramble, which raises money for BBC Children In Need, is to head to the Peak District for its 10th anniversary special.

Hosts Matt Baker, Anita Rani, Sean Fletcher, and Margherita Taylor will travel to Chatsworth Estate to embark on a joint ramble with four inspirational young people who have been supported by a BBC Children In Need project.

Baker, 46, who has been a regular presenter on the agricultural programme since 2009, will undertake his ramble with 13-year-old Lucas, who at the age of two months old was diagnosed with hydrocephalus, a build-up of fluid in the brain.

His family was put in touch with funded project, Harry's Hydrocephalus Awareness Trust (Harry's HAT), which delivers support sessions and family activity days to young people with the condition.

Since then they have provided support and encouraged him to take part in outdoor activities with his family like playing football and rowing.

Rani, 46, will join nine-year-old Rubi, who has chronic kidney disease focal segmental glomerulosclerosis and a permanent feed point of her tummy, which had prevented her from having sleepovers until she attended Over The Wall Camp, a charity offering camps and residential trips across the UK to disabled and seriously ill children.

Elsewhere, Fletcher, 50, will be teaming up with 15-year-old Jack, who was diagnosed at the age of five with a rare genetic hearing disorder and also has autism.

A teacher put his family in touch with funded project Talking Hands, which provides an environment where children and young people, like Jack, can learn sign language, are given advice and support.

The final presenter, Taylor, 52, will be joining eight-year-old Sophie who has autism spectrum disorder (ASD).

Due to a lack of support available to children on the autistic spectrum, her mother Kathryn set up a project called Sensory Kids in 2014 which provides sensory play, specialist rooms with equipment and support for children and young people with ASD.

Fellow Countryfile presenter John Craven will be joined by Pudsey Bear to challenge members of the public across the UK to hold their own sponsored rambles to raise funds.

The Countryfile Ramble for BBC Children In Need will air on BBC One on Sunday November 3.

CHILDREN IN NEED: John Craven with Pudsey Bear.

Kintore to Tealing 400kV Connection Project

Scottish & Southern Electricity Networks
TRANSMISSION

Overhead line alignment consultation events

We are hosting a series of public events across the project route from 23 September until 10 October 2024. These events form part of the pre-application consultation process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

We will be sharing our potential alignment for the overhead line, with alternative alignment options in some locations, presented through maps and visualisations. Interested parties can attend our drop-in events to discuss our plans with the project team and share views.

Feedback can be provided through printed forms available at the events, the online form available from the project webpage or in email to the Community Liaison Manager.

The feedback period will be open until Thursday 21 November 2024.

Any comments made to us as the Applicant are not representations to Scottish Ministers as the decision makers. There will be opportunity to make formal representations to Scottish Ministers via the Energy Consents Unit following the submission of the section 37 application.

The events will be held at the following locations:

Monday 23 September, 1.30-6.30pm
Tealing Village Hall, Hall Road, Inverdake, Tealing, DD4 0QW

Tuesday 24 September, 2-7pm
Royal Hotel, Wallace Suite, 33 Castle Street, Forfar, DD8 3AE

Wednesday 25 September, 2-7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Thursday 26 September, 2-7pm
Brechin City Hall, 9 Swan Street, Brechin, DD9 6EE

Monday 30 September, 2-7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 1 October, 1.30-6.30pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Wednesday 2 October, 2-7pm
Echt Hall, Echt, Westhill, AB32 6UL

Thursday 3 October, 2-7pm
Drumoak, Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Monday 7 October, 2-7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 8 October, 2-7pm
Stonehaven Town Hall, Allardice Street, Stonehaven, AB39 2BU

Wednesday 9 October, 2-7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Thursday 10 October, 2-7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

If you have any questions, please do not hesitate to contact our Community Liaison Manager:
Rob Whytock
SSEN Transmission,
200 Dunkeld Road,
Perth, PH1 3GH
Email: tkup@sse.com

Find out more
Register for project updates, visit the project website by scanning the QR code, or use the following URL:
ssen-transmission.co.uk/tkup

ssen-transmission.co.uk
SSEN Transmission
SSETransmission
SSEN-Transmission

Angus County Press
URN: SEM6055342 Date: 2025-02-27 Section: ROP
Advertiser: SSEN Transmission Page: 9/32

NEWS

MP's backing for WASPI campaign

Mark Dowie
mark.dowie@nationalworld.com

Arbroath and Broughty Ferry MP Stephen Gethins met local campaigner and Women Against State Pension Inequality's national membership director, Carole Archibald, to discuss the campaign's next steps.

Following the Parliamentary and Health Service Ombudsman's independent recommendation last March that women impacted by the increase in State Pension Age should be awarded compensation, UK Labour Government Ministers have reneged on the commitments to compensation that they gave to WASPI women during and before the General Election campaign.

Mr Gethins is pictured with Carole Archibald.

The SNP forced a vote in the Commons on a 10 minute rule bill in the name of Westminster leader Stephen Flynn MP, which saw the Women's State Pension age (Ombudsman report and compensation scheme) bill pass its first parliamentary hurdle by 105 votes to zero.

Despite MSPs uniting to demand the UK Government provides compensation, the overwhelming majority of Scottish Labour MPs failed to back this bill in Westminster.

Mr Gethins said: "I will not let this issue go away and will continue to raise this at every opportunity, working with Carole and her colleagues.

"The responsibility for putting this issue right lies firmly with the UK Government, and Labour has changed their tune since taking up office about working with WASPI women to get justice for those impacted.

"Now is their opportunity to do right by WASPI women and I will keep up the pressure on this in Westminster at every opportunity."

Carole added: "We fought long and hard over the years to get maladministration proved. Now that it has been proved, we think that we deserve to have justice and to get the compensation that the Parliamentary Ombudsman has said that we should have."

A life in the decorating trade

President Mary Ogilvie welcomed Inverkeilor WRI members to their recent meeting and introduced guest speaker Bruce Middleton.

Bruce gave a humorous talk on his early life in the Inverkeilor area and his trade as a painter and decorator.

Diane Parry proposed the vote of thanks.

Competitions - Beetroot Chutney - 1 Diane Parry; Tamari Ball - 1 Kim Raeper, 2 Kathy Powrie; Flower of the Month - 1 Diane Parry, 2 Barbara Baikie, 3 Lorna Keillor

CAIRD HALL ORGAN RECITAL

The Friends of the Caird Hall Organ are presenting their six-hour fundraising Organathon between 10am and 4pm on Saturday, March 8.

This event will feature 17 organists from the local area and further afield, as well as instrumentalists and two choirs, all performing for 20 minutes each.

The organists are from a variety of backgrounds, students to well established players.

The final recital on the day will be given by international virtuoso organist Gordon Stewart, who has been Honorary President of FOCHO since it was established over 12 years ago.

You can expect a wide variety of styles of playing and music from across the centuries.

All the players will be collecting sponsorship to support the work of FOCHO to reach their fundraising goals.

This is an open event providing a fantastic opportunity to hear the Caird Hall organ in a more social setting and everyone is welcome.

There is no admission fee but a donation will be much appreciated.

*Email your news and pictures to acp.news@nationalworld.com.

Kintore to Tealing 400kV Overhead Line Project

Scottish & Southern Electricity Networks
TRANSMISSION

Final overhead line alignment consultation events

We are hosting a series of public events across the project route from 24 February until 13 March 2025. These events conclude the Pre-Application Consultation (PAC) process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

To support the growth in renewable developments across the north of Scotland, investment in our network infrastructure is needed to connect this power and transport it to areas of demand. This includes a new 400kV overhead line between Kintore and Tealing connecting to two new substations in Fetteresso Forest (Hurlie) and Tealing (Emmock).

We will be sharing our proposed alignment of the overhead line, including details on how this decision was taken. This will be presented on maps and visualisations with booklets and handouts available for attendees and digital versions available to download on our project webpage.

Interested parties can attend our drop-in events to discuss our plans with the project team and share your thoughts on the final alignment ahead of submission of planning. Feedback can be provided through printed forms available at the events, the online form available on the project webpage or in email to the project inbox.

Find out more and register for project updates, visit the project website: **ssen-transmission.co.uk/TKUP**
@ssentransmission @SSETransmission

The events will be held at the following locations:

Monday 24 February, 2–7pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Tuesday 25 February, 2–7pm
Echt Hall, Echt, Westhill, AB32 6UL

Wednesday 26 February, 2–7pm
Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Thursday 27 February, 2–7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

Monday 3 March, 2–7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 4 March, 1–6pm
Inglis Memorial Hall and Library, High Street, Edzell, Brechin, DD9 7TF

Wednesday 5 March, 2–7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Monday 10 March, 2–7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 11 March, 2–7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Wednesday 12 March, 2–7pm
Forfar Reid Hall, Castle Street, Forfar, DD8 3HX

Thursday 13 March, 2–7pm
Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW

We invite all interested parties to attend our drop-in exhibitions to discuss our plans with the project team and share your views.

THE COURIER & ADVERTISER
Monday, February 10, 2025

VE Day 80th set to honour WW2 veterans

BY ELLIE CRABBE

CELEBRATIONS: Ross Kemp and Dame Kelly Holmes at a VE Day school launch event.

People are being urged to host celebrations for the 80th anniversary of Victory in Europe (VE) Day in what might be "our last chance to thank surviving veterans".

May 8 marks the date in 1945 when the allies accepted Germany's surrender in the Second World War, ending almost six years of conflict in Europe.

Community celebrations will be led by the Together Coalition, a group of businesses and individuals, as part of the UK Government's national programme to commemorate the 80th anniversaries of both VE Day in May and Victory over Japan (VJ) Day on August 15.

Events will include the Great British Food Festival on May 5, when street parties, picnics and barbecues will take place across the country on the Monday bank holiday, reflecting the celebrations that broke out across the nation 80 years ago.

There will also be a VE Day Schools Challenge, where the Together Coalition and the Royal British Legion are asking pupils to learn about the significance of the anniversary.

Launching the countdown, TV presenter and actor Ross Kemp and Olympic gold medallist Dame Kelly Holmes visited Hermitage Primary School in Tower Hamlets, east London, where they shared food with the pupils and talked about the values that helped communities contribute to the war victory.

EastEnders star Kemp said: "VE Day marks a major moment in our history – when Britain helped defeat the forces of fascism and protect our democracy.

"Taking part is an opportunity for us all to honour those who sacrificed so much, to reconnect with our neighbours and communities, and to remember the values that underpinned the victory.

"They matter as much today as they did then.

"This might be our last chance to thank the surviving veterans, so we should celebrate them in style."

Dame Kelly said: "Moments like this matter; they bring us together as a country and remind us of the freedoms we sometimes take for granted.

"They also give us an opportunity to thank everyone who contributed to the victory from the UK and across the Commonwealth."

Kintore to Tealing 400kV Overhead Line Project

Scottish & Southern Electricity Networks
TRANSMISSION

Final overhead line alignment consultation events

We are hosting a series of public events across the project route from 24 February until 13 March 2025. These events conclude the Pre-Application Consultation (PAC) process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

To support the growth in renewable developments across the north of Scotland, investment in our network infrastructure is needed to connect this power and transport it to areas of demand. This includes a new 400kV overhead line between Kintore and Tealing connecting to two new substations in Fetteresso Forest (Hurlie) and Tealing (Emmock).

We will be sharing our proposed alignment of the overhead line, including details on how this decision was taken. This will be presented on maps and visualisations with booklets and handouts available for attendees and digital versions available to download on our project webpage.

Interested parties can attend our drop-in events to discuss our plans with the project team and share your thoughts on the final alignment ahead of submission of planning. Feedback can be provided through printed forms available at the events, the online form available on the project webpage or in email to the project inbox.

Find out more and register for project updates, visit the project website: **ssen-transmission.co.uk/TKUP**

@ssentransmission @SSETransmission

The events will be held at the following locations:

Monday 24 February, 2–7pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Tuesday 25 February, 2–7pm
Echt Hall, Echt, Westhill, AB32 6UL

Wednesday 26 February, 2–7pm
Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Thursday 27 February, 2–7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

Monday 3 March, 2–7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 4 March, 1–6pm
Inglis Memorial Hall and Library, High Street, Edzell, Brechin, DD9 7TF

Wednesday 5 March, 2–7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Monday 10 March, 2–7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 11 March, 2–7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Wednesday 12 March, 2–7pm
Forfar Reid Hall, Castle Street, Forfar, DD8 3HX

Thursday 13 March, 2–7pm
Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW

We invite all interested parties to attend our drop-in exhibitions to discuss our plans with the project team and share your views.

THE PRESS AND JOURNAL
Monday, February 10, 2025

WhatsApp group is probed after sacking

BY HELEN CORBETT AND RACHEL VICKERS-PRICE

A WhatsApp group in which MP Andrew Gwynne posted "completely unacceptable" messages is being investigated, a minister has said.

Housing Minister Matthew Pennycook could not say if others in the chat, which reportedly included another Labour MP, will be suspended, but suggested the prime minister could take action based on what the investigation finds.

Mr Gwynne said the messages were "badly misjudged" after Sir Keir Starmer sacked him as health minister and suspended him from the Labour Party.

The MP for Gorton and Denton reportedly posted sexist comments about Angela Rayner and racist remarks about Labour MP Diane Abbott, and was also said to have joked in the private group chat with Labour figures based around Manchester about an elderly woman's death.

Mr Pennycook told the Sunday Morning With Trevor Phillips programme on Sky News: "I don't know, personally, what other people on that WhatsApp conversation have said... I've been very clear, there's an investigation taking place into the whole incident.

"What the public can take from the way the prime minister has acted decisively in this case to dismiss Andrew Gwynne, is that if any other Labour MP or minister falls short he will act to uphold the highest standards in public office," Mr Pennycook said.

The prime minister dismissed Mr Gwynne as a minister as soon as he became aware of the comments, it is understood.

The language the MP reportedly used in his messages is "completely unacceptable" and "in some instances, it's deeply concerning", Mr Pennycook added.

Mr Gwynne posted on X on Saturday apologising for any offence caused but did not suggest he would stand down as an MP.

"I deeply regret my badly misjudged comments and apologise for any offence I've caused. I've served the Labour Party all my life and it was a huge honour to be appointed a minister by Keir Starmer.

"I entirely understand the decisions the PM and the party have taken and, while very sad to have been suspended, will support them in any way I can," he wrote.

Mr Gwynne posted messages in a WhatsApp group called Trigger Me Timbers, the Mail on Sunday reported.

The newspaper said his comments included antisemitic slights and a joke about a constituent being "mown down" by a truck.

He also reportedly wrote he hoped a 72-year-old woman would soon have "croaked it" after she asked a councillor about her bins.

Andrew Gwynne MP has been suspended.

Kintore to Tealing 400kV Overhead Line Project

Scottish & Southern Electricity Networks
TRANSMISSION

Final overhead line alignment consultation events

We are hosting a series of public events across the project route from 24 February until 13 March 2025. These events conclude the Pre-Application Consultation (PAC) process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

To support the growth in renewable developments across the north of Scotland, investment in our network infrastructure is needed to connect this power and transport it to areas of demand. This includes a new 400kV overhead line between Kintore and Tealing connecting to two new substations in Fetteresso Forest (Hurlie) and Tealing (Emmock).

We will be sharing our proposed alignment of the overhead line, including details on how this decision was taken. This will be presented on maps and visualisations with booklets and handouts available for attendees and digital versions available to download on our project webpage.

Interested parties can attend our drop-in events to discuss our plans with the project team and share your thoughts on the final alignment ahead of submission of planning. Feedback can be provided through printed forms available at the events, the online form available on the project webpage or in email to the project inbox.

Find out more and register for project updates, visit the project website: **ssen-transmission.co.uk/TKUP**

@ssentransmission @SSETransmission

The events will be held at the following locations:

Monday 24 February, 2–7pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Tuesday 25 February, 2–7pm
Echt Hall, Echt, Westhill, AB32 6UL

Wednesday 26 February, 2–7pm
Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Thursday 27 February, 2–7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

Monday 3 March, 2–7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 4 March, 1–6pm
Inglis Memorial Hall and Library, High Street, Edzell, Brechin, DD9 7TF

Wednesday 5 March, 2–7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Monday 10 March, 2–7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 11 March, 2–7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Wednesday 12 March, 2–7pm
Forfar Reid Hall, Castle Street, Forfar, DD8 3HX

Thursday 13 March, 2–7pm
Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW

We invite all interested parties to attend our drop-in exhibitions to discuss our plans with the project team and share your views.

APPENDIX D – OTHER PUBLIC CONSULTATION ADVERTISEMENTS

PAC 1 email to distribution list

From: TKUP (tkup@sse.com)
Sent: 09/09/2024 17:18:22
To: Tealing - Kintore 400kV OHL Email Distribution List
Subject: Kintore to Tealing 400kV overhead line upcoming engagement events
Body:

Good afternoon,

I am emailing to advise of upcoming public engagement events for our Kintore to Tealing 400kV overhead line connection project.

Following the public engagement events regarding refined overhead line routes in March/April 2024, we are preparing to host a further series of face-to-face drop-in events across the project route.

What we are engaging on

During our upcoming events throughout September and October 2024, we will be sharing our potential alignment for the overhead line between Kintore and Tealing, with alternative alignment options in some locations and indicative tower positions, presented in our visualisations. We will be seeking feedback on these potential alignments until 21 November 2024.

Please see the attached poster for all dates, times and locations, or visit our events page on our project website for full details.

Advertising the events

We have issued a mailshot to over 56,000 properties advising of the events, and we'll also be advertising in the Press & Journal and The Courier, sending out a notification to all stakeholders signed up for updates, advertising on our social media channels and distributing posters locally.

Finding out more

Our public events are a great opportunity to find out more about our proposals by meeting the team in person, viewing our information materials and asking any questions you may have. For those unable to attend the events, all the information we'll be sharing at the events is available to download from the 'Documents' section of the project webpage.

You will also find some additional information regarding our most frequently asked questions available from our 'Project FAQs' tab, with additional handouts also available to download from 'Documents' and available at the in-person events.

We look forward to seeing you at the events to talk through our proposals.

Kind regards,

Rob Whytock | Community Liaison Manager

SSEN Transmission

200 Dunkeld Road, Perth, PH1 3GH
tkup@sse.com

PAC1 email to Community Council distribution list

From: TKUP (tkup@sse.com)
Sent: 09/09/2024 17:33:55
To: Tealing-Kintore Community Council Distribution List (Email)
Subject: Kintore to Tealing 400kV overhead line upcoming engagement events
Body:

Good afternoon,

I am emailing to advise of upcoming public engagement events for our Kintore to Tealing 400kV overhead line connection project.

Following the public engagement events regarding refined overhead line routes in March/April 2024, we are preparing to host a further series of face-to-face drop-in events across the project route.

What we are engaging on

During our upcoming events throughout September and October 2024, we will be sharing our potential alignment for the overhead line between Kintore and Tealing, with alternative alignment options in some locations and indicative tower positions, presented in our visualisations. We will be seeking feedback on these potential alignments until 21 November 2024.

Please see the attached poster for all dates, times and locations, or visit our events page on our project website for full details.

Advertising the events

We have issued a mailshot to over 56,000 properties advising of the events, and we'll also be advertising in the Press & Journal and The Courier, sending out a notification to all stakeholders signed up for updates, advertising on our social media channels and distributing posters locally.

We know local community Facebook pages are a great tool for sharing information regarding upcoming local events and therefore would warmly welcome Community Councillors to share copies of our poster (attached) online or locally.

Finding out more

Our public events are a great opportunity to find out more about our proposals by meeting the team in person, viewing our information materials and asking any questions you may have. For those unable to attend the events, all the information we'll be sharing at the events is available to download from the 'Documents' section of the project webpage.

You will also find some additional information regarding our most frequently asked questions available from our 'Project FAQs' tab, with additional handouts also available to download from 'Documents' and available at the in-person events.

Should you wish to discuss the scope of the consultation event or any of the materials available from the project further in advance of the consultation, please do not hesitate to get in touch with us at tkup@sse.com and we can look to arrange a call with members of the project team.

We look forward to seeing you at the events to talk through our proposals.

Kind regards,

Rob Whytock | Community Liaison Manager

SSEN Transmission

200 Dunkeld Road, Perth, PH1 3GH

PAC 2 email to distribution list

From: TKUP (tkup@sse.com)
Sent: 15/01/2025 17:46:55
To: Tealing - Kintore 400kV OHL Email Distribution List
Subject: February / March 2025 Public Consultation Dates
Body:

Good afternoon,

I am emailing to advise of upcoming public engagement events for our Kintore to Tealing 400kV overhead line connection project.

Following the public engagement events regarding potential and alternative alignments in September/October 2024, we are preparing to host a further series of face-to-face drop-in events across the project route.

What we are engaging on

During our upcoming events throughout February and March 2025, we will be sharing our final proposed alignment for the overhead line between Kintore and Tealing and indicative tower positions, presented in our visualisations. You can submit your final formal comments to us before our feedback period closes on Friday 28th March.

Please see the attached poster for all dates, times and locations.

Advertising the events

We will shortly be issuing a mailshot to over 56,000 properties advising of the events, and we'll also be advertising in the Press & Journal, The Courier, Angus County Press & West End as well as sending out a notification to all stakeholders signed up for updates, advertising on our social media channels and distributing posters locally.

We know local community Facebook pages are a great tool for sharing information regarding upcoming local events and therefore would warmly welcome Community Councillors to share copies of our poster (attached) online or locally.

Finding out more

Our public events are a great opportunity to find out more about our proposals by meeting the team in person, viewing our information materials and asking any questions you may have. For those unable to attend the events, all the information we'll be sharing at the events is available to download from the 'Documents' section of the project webpage which will be updated ahead of the events.

You will also find some additional information regarding our most frequently asked questions available from our 'Project FAQs' tab, with additional handouts also available to download from the 'Documents' section and available at the in-person events.

Should you wish to discuss the scope of the consultation event or any of the materials available from the project further in advance of the consultation, please do not hesitate to get in touch with us at tkup@sse.com and we can look to arrange a call with members of the project team.

We look forward to seeing you at the events to talk through our proposals.

Report on Consultation

We will be publishing our Report on Consultation shortly, which documents the last round of consultation process undertaken in September and October 2024. This Report on Consultation will show how the Proposed Alignment taken forward to the next stage has been informed by this process. The Report on Consultation will be available to download from the Documents tab of the project website as well as a summary report. We will update you when this has been published.

Overhead Line Update Webinar

Following the publication of the Report on Consultation, we will be hosting a stakeholder webinar on Tuesday 4 February between 2pm and 3.30pm, within which members of SSEN Transmission will provide:

- A recap on the history of the Pathway to 2030 overhead line projects to date
- An outline of the key highlights contained within the Report on Consultation
- Detail what can be expected from upcoming consultation events and submission of planning applications
- Advise of how we would approach moving from the development to delivery phase should planning consent be received.

The webinar will be recorded and available on our website to view after the event. To register attendance for the webinar and submit your questions for the Q&A, please click the following link: Pathway to 2030 – Overhead Line Project Update Webinar Invitation

Kind regards,

Rob Whytock | Community Liaison Manager

SSEN Transmission

200 Dunkeld Road, Perth, PH1 3GH
tkup@sse.com

PAC2 email to Community Council distribution list

From: TKUP (tkup@sse.com)
Sent: 17/01/2025 10:55:46
To: Tealing-Kintore Community Council Distribution List (Email)
Subject: February / March 2025 Public Consultation Dates
Body:

Good Morning,

I am emailing to advise of upcoming public engagement events for our Kintore to Tealing 400kV overhead line connection project.

Following the public engagement events regarding potential and alternative alignments in September/October 2024, we are preparing to host a further series of face-to-face drop-in events across the project route.

What we are engaging on

During our upcoming events throughout February and March 2025, we will be sharing our final proposed alignment for the overhead line between Kintore and Tealing and indicative tower positions, presented in our visualisations. You can submit your final formal comments to us before our feedback period closes on Friday 28th March.

Please see the attached poster for all dates, times and locations.

Advertising the events

We will shortly be issuing a mailshot to over 56,000 properties advising of the events, and we'll also be advertising in the Press & Journal, The Courier, Angus County Press & West End as well as sending out a notification to all stakeholders signed up for updates, advertising on our social media channels and distributing posters locally.

We know local community Facebook pages are a great tool for sharing information regarding upcoming local events and therefore would warmly welcome Community Councillors to share copies of our poster (attached) online or locally.

Finding out more

Our public events are a great opportunity to find out more about our proposals by meeting the team in person, viewing our information materials and asking any questions you may have. For those unable to attend the events, all the information we'll be sharing at the events is available to download from the 'Documents' section of the project webpage which will be updated ahead of the events.

You will also find some additional information regarding our most frequently asked questions available from our 'Project FAQs' tab, with additional handouts also available to download from the 'Documents' section of our project webpage and available at the in-person events.

Should you wish to discuss the scope of the consultation event or any of the materials available from the project further in advance of the consultation, please do not hesitate to get in touch with us at tkup@sse.com and we can look to arrange a call with members of the project team.

We look forward to seeing you at the events to talk through our proposals.

Report on Consultation

We will be publishing our Report on Consultation shortly, which documents the last round of consultation process undertaken in September and October 2024. This Report on Consultation will show how the Proposed Alignment taken forward to the next stage has been informed by this process. The Report on Consultation will be available to download from the Documents tab of the project website as well as a summary report. We will update you when this has been published.

As a Community Council we will be again offering a briefing call on the Report on Consultation to discuss any questions you may have. We anticipate this would be in early February.

Overhead Line Update Webinar

Following the publication of the Report on Consultation, we will be hosting a stakeholder webinar on Tuesday 4 February between 2pm and 3.30pm, within which members of SSEN Transmission will provide:

- A recap on the history of the Pathway to 2030 overhead line projects to date
- An outline of the key highlights contained within the Report on Consultation
- Detail what can be expected from upcoming consultation events and submission of planning applications
- Advise of how we would approach moving from the development to delivery phase should planning consent be received.

The webinar will be recorded and available on our website to view after the event. To register attendance for the webinar and submit your questions for the Q&A, please click the following link: Pathway to 2030 – Overhead Line Project Update Webinar Invitation

Kind regards,

Rob Whytock | Community Liaison Manager

SSEN Transmission

200 Dunkeld Road, Perth, PH1 3GH

tkup@sse.com

September 2024

Dear Resident,

SSEN Transmission Kintore to Tealing 400kV Overhead Line (OHL) – Consultation Events, other Projects Consultation Events and Ground Investigation (GI) Works

Kintore to Tealing 400kV OHL Consultation Events

The new Kintore - Tealing 400kV overhead line connection continues in the development stage with community consultations having taken place in May 2023 as well as March and April 2024 on the different route options for the overhead line (OHL).

Our most recent published report on the public consultation we undertook in March and April 2024 confirms the OHL routes that are now being taken forward to the next stage of development and includes community and landowner proposals around Careston, Drumoak and Echt. The full Report on Consultation (RoC) as well as a summary RoC can be found on the dedicated project website ssen-transmission.co.uk/tkup under project documents.

These stakeholder-led proposals are now being progressed in parallel with other OHL route options that were consulted on in May 2023 and March and April 2024. The potential OHL alignment and alternative alignments along the full Kintore-Tealing route are being finalised ahead of the next round of public consultations.

Feedback on the alignment options will be sought by community members and all interested stakeholders at the next series of public consultation events for the project, which are scheduled to take place in September and October 2024. We'd therefore like to invite you to attend a suitable event at a convenient time to meet the project team, ask any questions and find out more about the proposals.

Please find the details of the in person drop-in public consultation events on the enclosed flyers.

Other Project Consultation Events

We have also enclosed information on upcoming public consultation events for the Glendye Wind Farm Connection project following community feedback requesting information on our events that are held locally being shared in a concise manner.

Thistle Wind Partners (TWP) are also holding consultation events in the area in October and although we are not facilitating these events, we are aware that details on these events are publicly available on their website thistlewindpartners.scot/bowdun

If you are unable to attend any of the SSEN Transmission planned events all the material that will be on display will be available to be downloaded from the project documents section of the dedicated project websites, which you can access via the following URLs:

Kintore – Tealing OHL Connection ssen-transmission.co.uk/tkup

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having their Registered Office at No.1 Forbury Place, 43 Forbury Road, Reading, RG1 3JH which are members of the SSE Group www.ssen.co.uk

Glendye Wind Farm Connection ssen-transmission.co.uk/glendye

Please let us know if you require information in an adapted format such as paper copy, large print or braille and we will work with you to accommodate your preferences. We are happy to accommodate all reasonable requests for adapted communications.

Kintore to Tealing Ground Investigation (GI) Works

As well as providing the details on our upcoming public consultations we are writing to advise that from w/c 23 September 2024 our project teams and contractors will undertake walkover surveys and GI works for the Kintore to Tealing 400kV OHL project, to help inform the ongoing design of the alignment.

Ground investigations typically involve drilling boreholes and/or digging trial pits, allowing engineers to understand the engineering properties of the soil and rock beneath potential tower locations and their ability to support the structures. They are a necessary step in any new developments, and the results will help determine the best designs for the alignment.

Local community members can expect to see more activity on the ground, and while most activities are expected to cause very little local disruption, we would like to thank you for your patience while they are carried out.

Where more intrusive activities are required, we will work to keep local disruption and environmental impacts to a minimum.

Our project teams will oversee the contractors' works, who may employ specialist supervision from ecologists and archaeologists to ensure the works do not impact on local wildlife or archaeological assets.

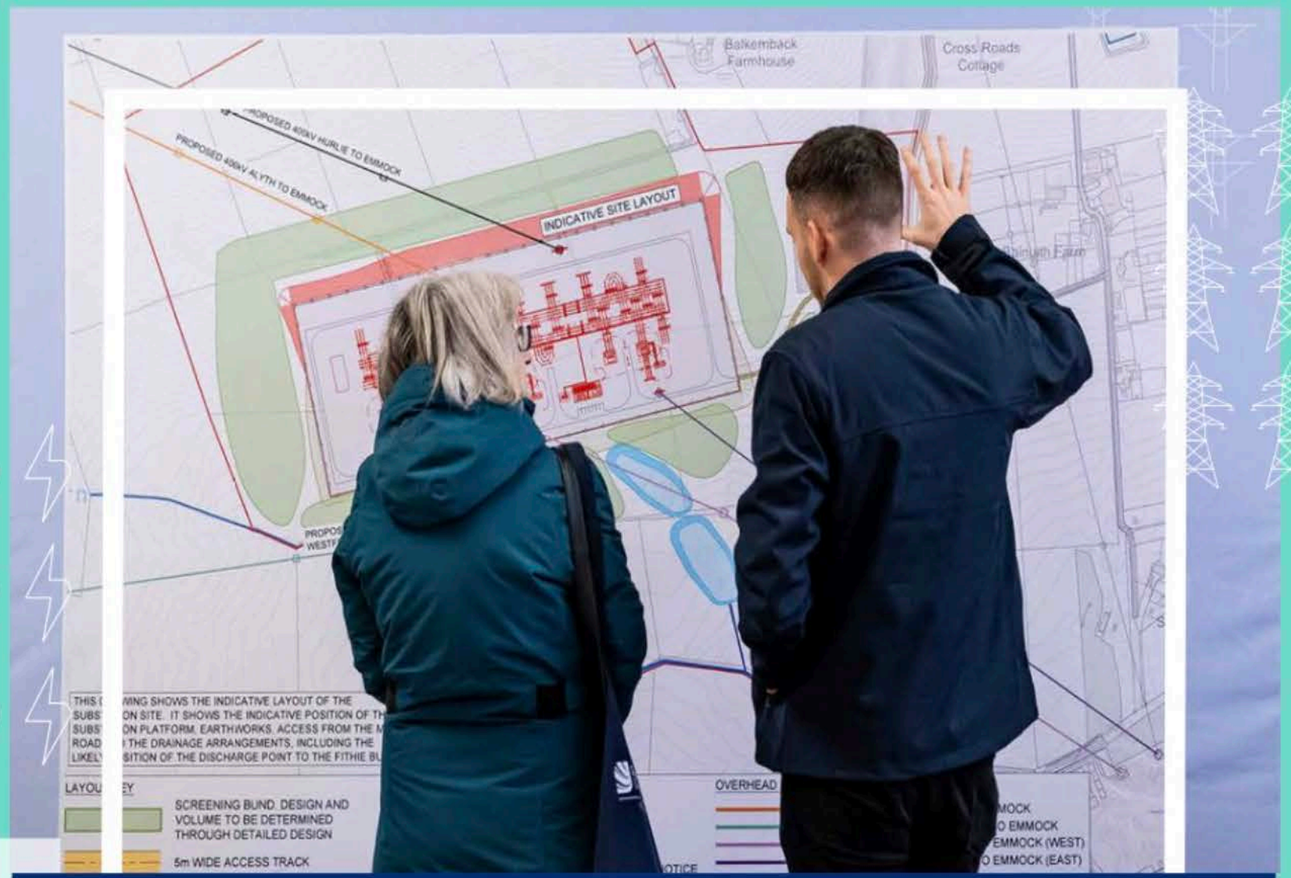
We would like to provide assurance that these ongoing surveys form part of our normal assessment and project development process and we are continuing to actively engage with local communities and stakeholders regarding our activities.

As the project moves into the next phase of development for the OHL alignments and future section 37 submission, I will be your new dedicated Community Liaison Manager point of contact. Please do not hesitate to contact me directly using the details below if you have any questions or queries pertaining to any of the above information or the project in general.

Yours faithfully

[redacted]

Rob Whytock
Community Liaison Manager
E: tkup@sse.com



ssentransmission

ssentransmission ⚡ We're inviting community members to share their views on alignment options for the Kintore to Tealing 400kV project at our upcoming consultation event in Durris at the Durris Kirkton Hall on 10th October between 14:00 and 19:00.

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, find out more and let us know what you think.

➡️ To find out more about this event, visit the link in our story.

26 w

View Insights

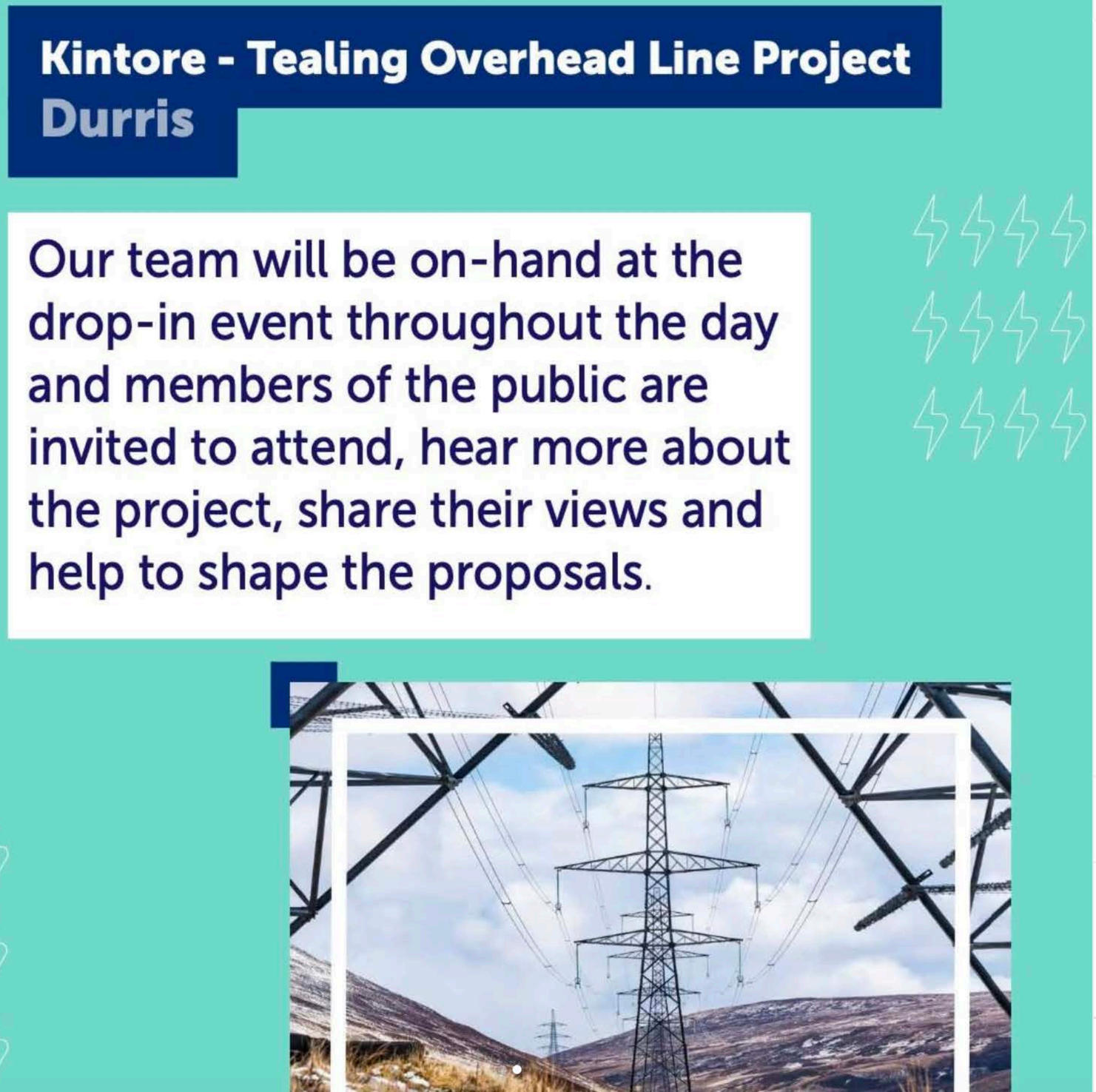
Boost Post

Be the first to **like this**

8 October 2024

Add a comment...

Post



ssentransmission

ssentransmission ⚡ We're inviting community members to share their views on alignment options for the Kintore to Tealing 400kV project at our upcoming consultation event in Durris at the Durris Kirkton Hall on 10th October between 14:00 and 19:00.

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, find out more and let us know what you think.

➡️ To find out more about this event, visit the link in our story.

26 w

View Insights

Boost Post

Be the first to **like this**

8 October 2024

Add a comment...

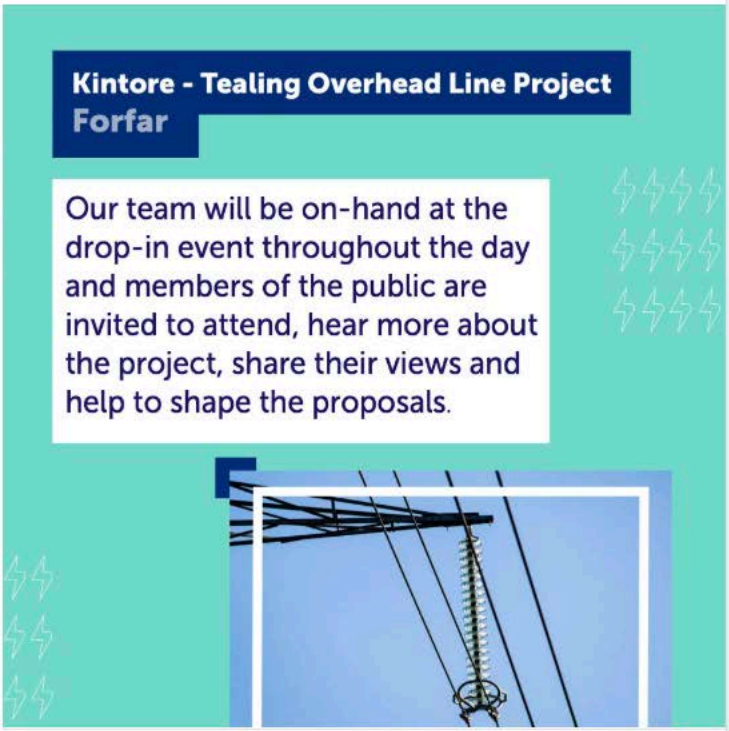
Post

SSEN Transmission
Published by **Amy Scott**
· 22 September 2024 ·

⚡ We're inviting community members to share their views on alignment options for the Kintore to Tealing 400kV project at our upcoming consultation event in Forfar at the Wallace Suite, Royal Hotel on 24th September between 14:00 and 19:00.

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, find out more and let us know what you think.

➡️ To find out more about this event, visit https://www.ssen-transmission.co.uk/.../kintore--tealing.../



7 comments

Like Comment Share

SSEN Transmission
@SSETransmission

Promote

⚡ We're inviting community members to share their views on alignment options for the Kintore to Tealing 400kV project at our upcoming consultation event in Laurencekirk at the Dickson Memorial Hall on 9th October between 14:00 and 19:00.
➡️ssen-transmission.co.uk/events/2024/ki...

11:00 AM · Oct 7, 2024 · **104** Views

View post engagements

SSEN Transmission
41,993 followers
6mo ·

⚡ We're inviting community members to share their views on alignment options for the Kintore to Tealing 400kV project at our upcoming consultation event in Memus at the Memus Community Hall on 25th September between 14:00 and 19:00.

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, find out more and let us know what you think.

➡️ To find out more about this event, visit https://lnkd.in/eNZEcqnS

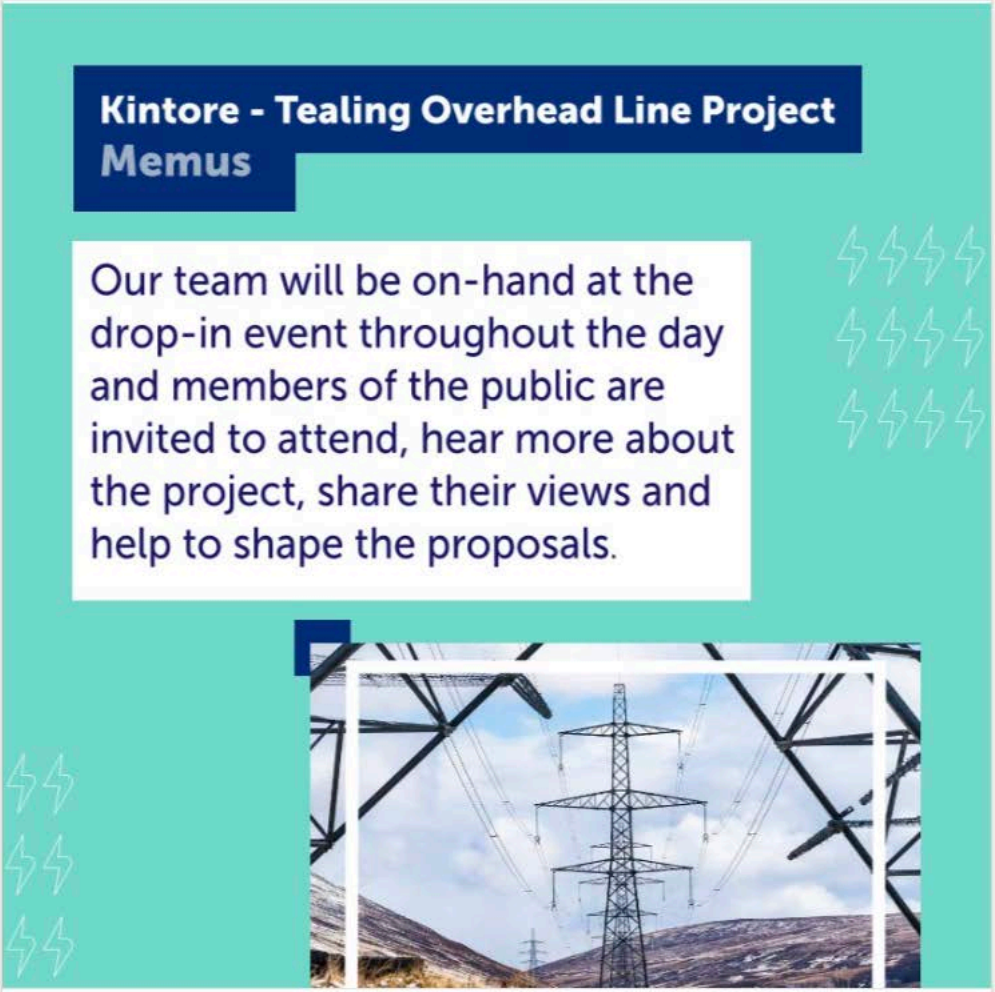
13

SSEN Transmission
41,993 followers
6mo ·

⚡ We're inviting community members to share their views on alignment options for the Kintore to Tealing 400kV project at our upcoming consultation event in Memus at the Memus Community Hall on 25th September between 14:00 and 19:00.

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, find out more and let us know what you think.

➡️ To find out more about this event, visit https://lnkd.in/eNZEcqnS



13

Kintore to Tealing 400kV Connection Project

Scottish & Southern Electricity Networks
TRANSMISSION

Overhead line alignment consultation events

We are hosting a series of public events across the project route from 23 September until 10 October 2024. These events form part of the pre-application consultation process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

We will be sharing our potential alignment for the overhead line, with alternative alignment options in some locations, presented through maps and visualisations. Interested parties can attend our drop-in events to discuss our plans with the project team and share views.

Feedback can be provided through printed forms available at the events, the online form available from the project webpage or in email to the Community Liaison Manager.

The feedback period will be open until Thursday 21 November 2024.

Any comments made to us as the Applicant are not representations to Scottish Ministers as the decision makers. There will be opportunity to make formal representations to Scottish Ministers via the Energy Consents Unit following the submission of the section 37 application.

The events will be held at the following locations:

Monday 23 September, 1.30-6.30pm
Tealing Village Hall, Hall Road,
Inverdake, Tealing, DD4 0QW

Tuesday 24 September, 2-7pm
Royal Hotel, Wallace Suite,
33 Castle Street, Forfar, DD8 3AE

Wednesday 25 September, 2-7pm
Memus Community Hall, Memus,
Forfar, DD8 3TY

Thursday 26 September, 2-7pm
Brechin City Hall, 9 Swan Street,
Brechin, DD9 6EE

Monday 30 September, 2-7pm
Menmuir Hall, Brechin,
DD9 7RN

Tuesday 1 October, 1.30-6.30pm
Kintore Public Hall, 12 School Road,
Kintore, AB51 0UX

Wednesday 2 October, 2-7pm
Echt Hall, Echt, Westhill, AB32 6UL

Thursday 3 October, 2-7pm
Drumoak, Durris & Crathes
Bowling Club, Sunnyside Avenue,
Drumoak, AB31 5EF

Monday 7 October, 2-7pm
Drumlithie Village Hall,
Station Road, Drumlithie, AB39 3YT

Tuesday 8 October, 2-7pm
Stonehaven Town Hall, Allardice Street,
Stonehaven, AB39 2BU

Wednesday 9 October, 2-7pm
Dickson Memorial Hall, Station Road,
Laurencekirk, AB30 1BE

Thursday 10 October, 2-7pm
Durris Kirkton Hall, Kirkton of Durris,
Banchory, AB31 6BP

If you have any questions, please do not hesitate to contact our Community Liaison Manager:
Rob Whytock
SSEN Transmission,
200 Dunkeld Road,
Perth, PH1 3GH
Email: tkup@sse.com

Find out more
Register for project updates, visit the project website by scanning the QR code, or use the following URL:
ssen-transmission.co.uk/tkup

ssen-transmission.co.uk
SSEN Transmission
SSETransmission
SSEN-Transmission

February 2025

Dear Resident,

SSEN Transmission Kintore to Tealing 400kV Overhead Line (OHL) – Notice of Consultation Events

Kintore to Tealing 400kV OHL Consultation Events

The new Kintore - Tealing 400kV overhead line connection continues in the development stage with community consultations having taken place in May 2023 as well as March and April 2024 on the different route options for the overhead line (OHL) and September and October 2024 on the potential and alternative alignment options for the OHL.

Our most recent published Alignment Selection Report on Consultation (RoC), following alignment consultation we undertook in September and October 2024 confirms the proposed OHL alignment that we intend to take forward to the Section 37 application in spring 2025. The RoC, as well as a summary RoC, can be found on the dedicated project website ssen-transmission.co.uk/tkup under project documents.

Feedback on the final proposed alignment will be sought by community members and all interested stakeholders at the final series of public consultation events for the project, which are scheduled to take place in February and March 2025. We would therefore like to invite you to attend a suitable event at a convenient time to meet the project team, ask any questions and find out more about the proposals.

Please find the details of the in person drop-in public consultation events on the enclosed flyer.

Glendye Wind Farm Connection Consultation Events

The Glendye Wind Farm Connection project will again be holding a joint event for their final alignment at Drumlithie on Monday 3 March alongside the Kintore to Tealing OHL project. The project team will be available to answer any questions. There will also be another consultation event at Strachan Village Hall on Wednesday 5 March solely for the Glendye Wind Farm Connection.

As the Glendye Wind Farm Connection project moves into the next phase of development for the OHL alignment and future Section 37 submission, Catherine Cowie will be your new dedicated Community Liaison Manager. Please do not hesitate to contact her directly using the details below if you have any questions or queries pertaining to any of the above information or the Glendye Wind Farm Connection project in general.

Catherine Cowie
Community Liaison Manager
E: Glendye@sse.com

If you are unable to attend any of the events

If you are unable to attend any of the SSEN Transmission planned events, all the materials that will be on display will be available to download from the project documents section of the dedicated project

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having their Registered Office at No.1 Forbury Place, 43 Forbury Road, Reading, RG1 3JH which are members of the SSE Group www.ssen.co.uk

websites, which you can access via the following URLs:

Kintore – Tealing OHL Connection ssen-transmission.co.uk/tkup

Glendye Wind Farm Connection ssen-transmission.co.uk/glendye

Please let us know if you require information in an adapted format such as paper copy, large print or braille and we will work with you to accommodate your preferences. We are happy to accommodate all reasonable requests for adapted communications.

Please do not hesitate to contact me directly using the details below if you have any questions or queries pertaining to any of the above information or the project in general and I look forward to seeing you at the events.

Yours faithfully

Rob Whytock
Community Liaison Manager
E: tkup@sse.com

ssentransmission ⚡ We're inviting community members to come along and find out more about our proposed final alignment for the Kintore - Tealing (TKUP) Overhead Line Project at our upcoming public engagement event in Forfar.

🗓️ 12 March
📍 Forfar Reid Hall, Castle Street, Forfar, DD8 3HX
⏰ 2 - 7pm

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, and find out more.

➡️ For information on the route, scan the QR code or visit the TKUP Project page on our website.

4 w

View Insights

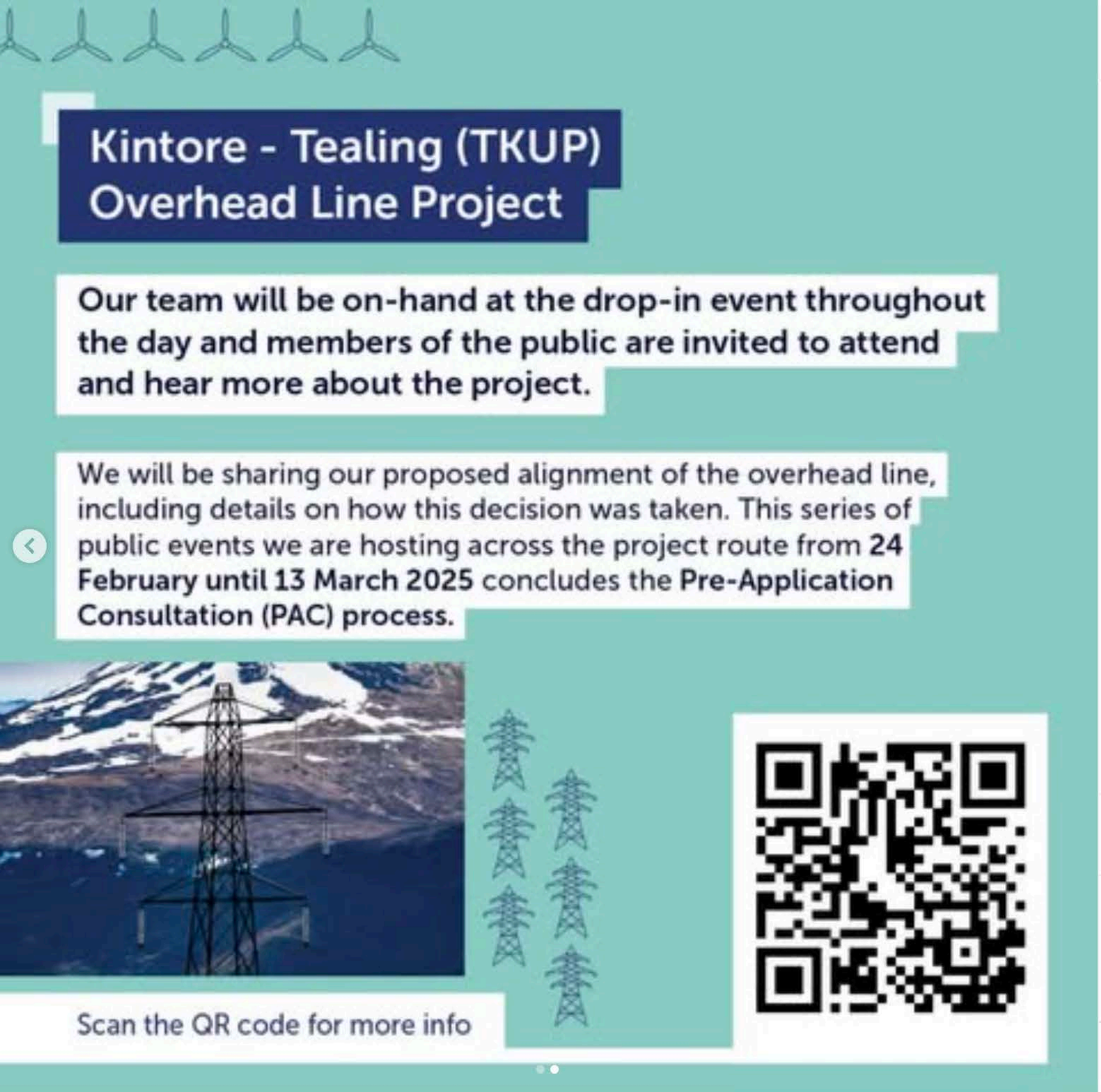
Boost Post

Be the first to **like this**

10 March

Add a comment...

Post



ssentransmission

ssentransmission ⚡ We're inviting community members to come along and find out more about our proposed final alignment for the Kintore - Tealing (TKUP) Overhead Line Project at our upcoming public engagement event in Forfar.

🗓️ 12 March
📍 Forfar Reid Hall, Castle Street, Forfar, DD8 3HX
⏰ 2 - 7pm

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, and find out more.

➡️ For information on the route, scan the QR code or visit the TKUP Project page on our website.

4 w

View Insights

Boost Post

Be the first to **like this**

10 March

Add a comment...

Post

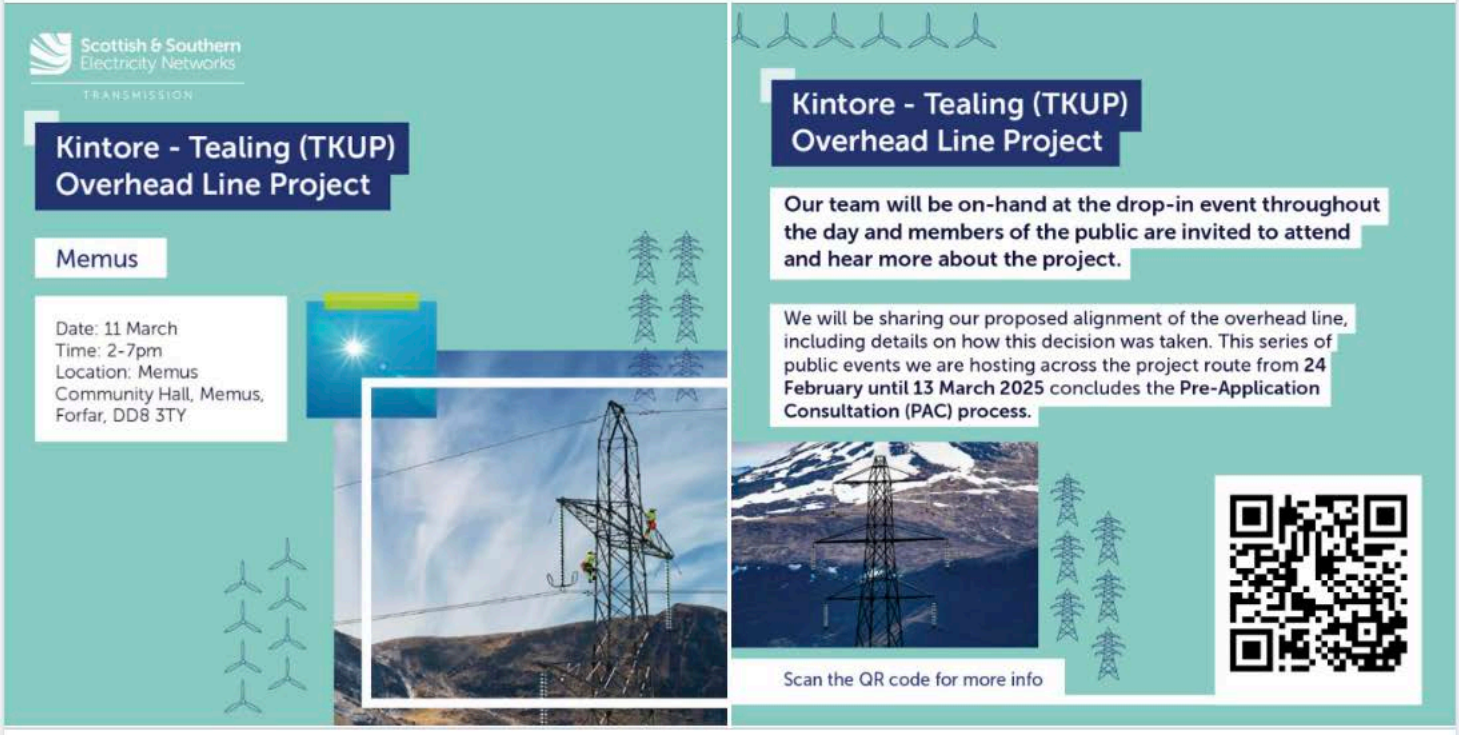
SSEN Transmission
Published by **Amy Scott**
· 7 March ·

⚡ We're inviting community members to come along and find out more about our proposed final alignment for the Kintore - Tealing (TKUP) Overhead Line Project at our upcoming public engagement event in Memus.

🗓️ 11 March
📍 Memus Community Hall, Memus, Forfar, DD8 3TY
⏰ 2 - 7pm

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, and find out more.

➡️ For information on the route, scan the QR code or visit https://www.ssen-transmission.co.uk/TKUP



See insights and ads | Boost post

1 share

Like | Comment | Share

By **Amy Scott** • 3/6/2025 •••

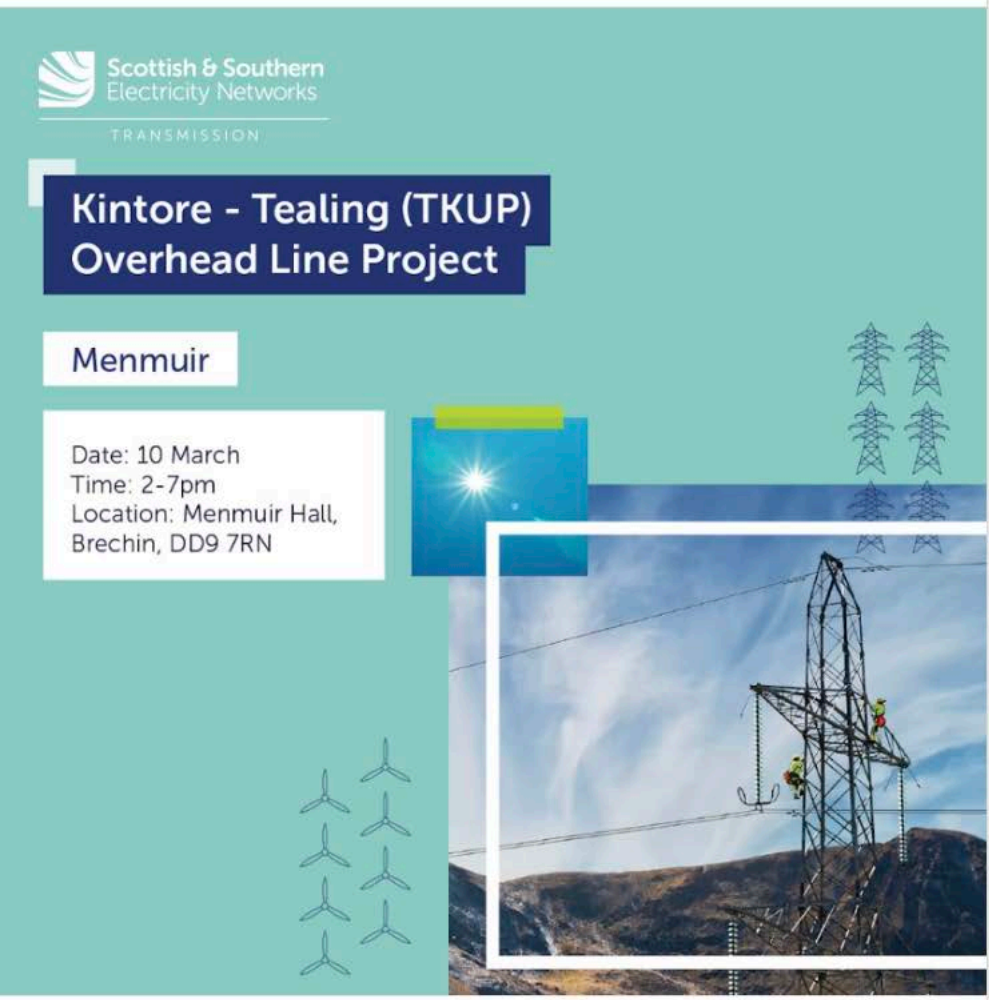
SSEN Transmission
41,992 followers
1mo •

⚡ We're inviting community members to come along and find out more about our proposed final alignment for the Kintore - Tealing (TKUP) Overhead Line Project at our upcoming public engagement event in Menmuir.

🗓️ 10 March
📍 Menmuir Hall, Brechin, DD9 7RN
⏰ 2 - 7pm

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, and find out more.

➡️ For information on the route, scan the QR code or visit https://lnkd.in/g_TEwpuQ



6 1 repost

Like Comment Repost

By **Amy Scott** • 3/6/2025 •••

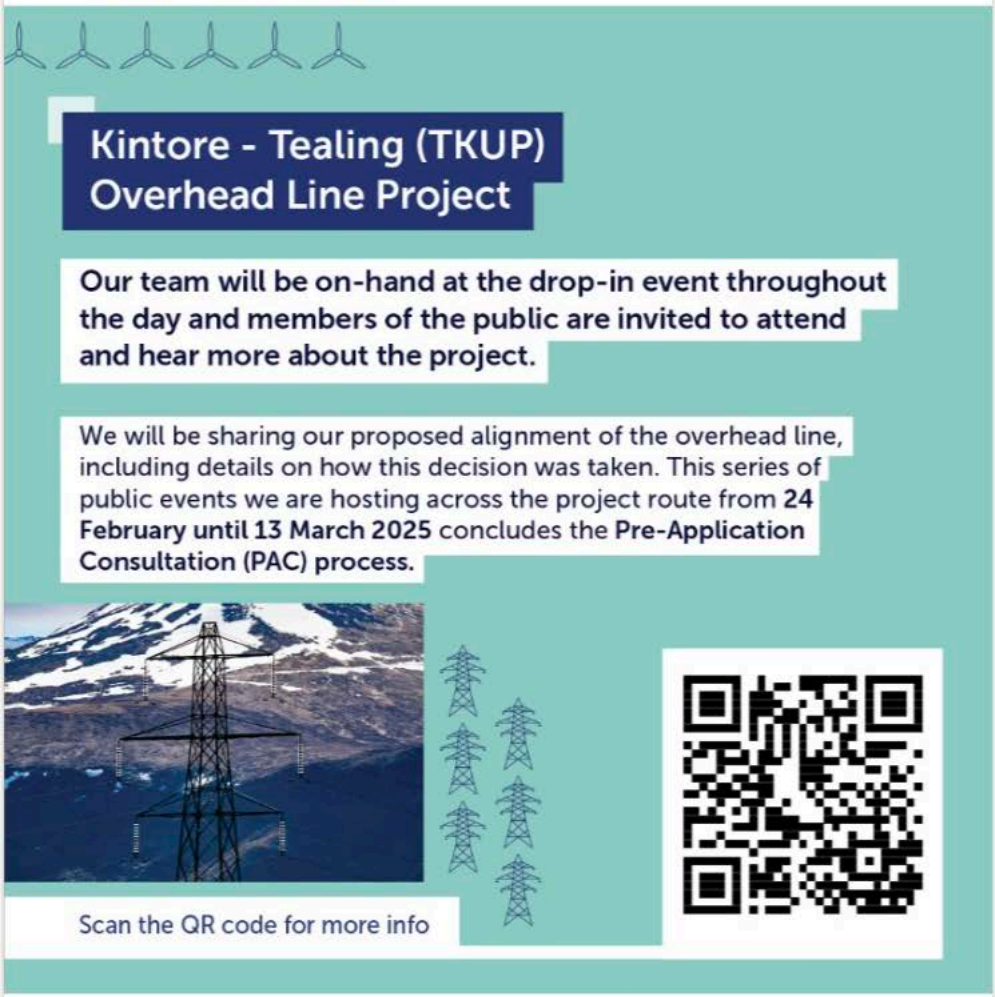
SSEN Transmission
41,992 followers
1mo •

⚡ We're inviting community members to come along and find out more about our proposed final alignment for the Kintore - Tealing (TKUP) Overhead Line Project at our upcoming public engagement event in Menmuir.

🗓️ 10 March
📍 Menmuir Hall, Brechin, DD9 7RN
⏰ 2 - 7pm

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, and find out more.

➡️ For information on the route, scan the QR code or visit https://lnkd.in/g_TEwpuQ



6 1 repost

Like Comment Repost

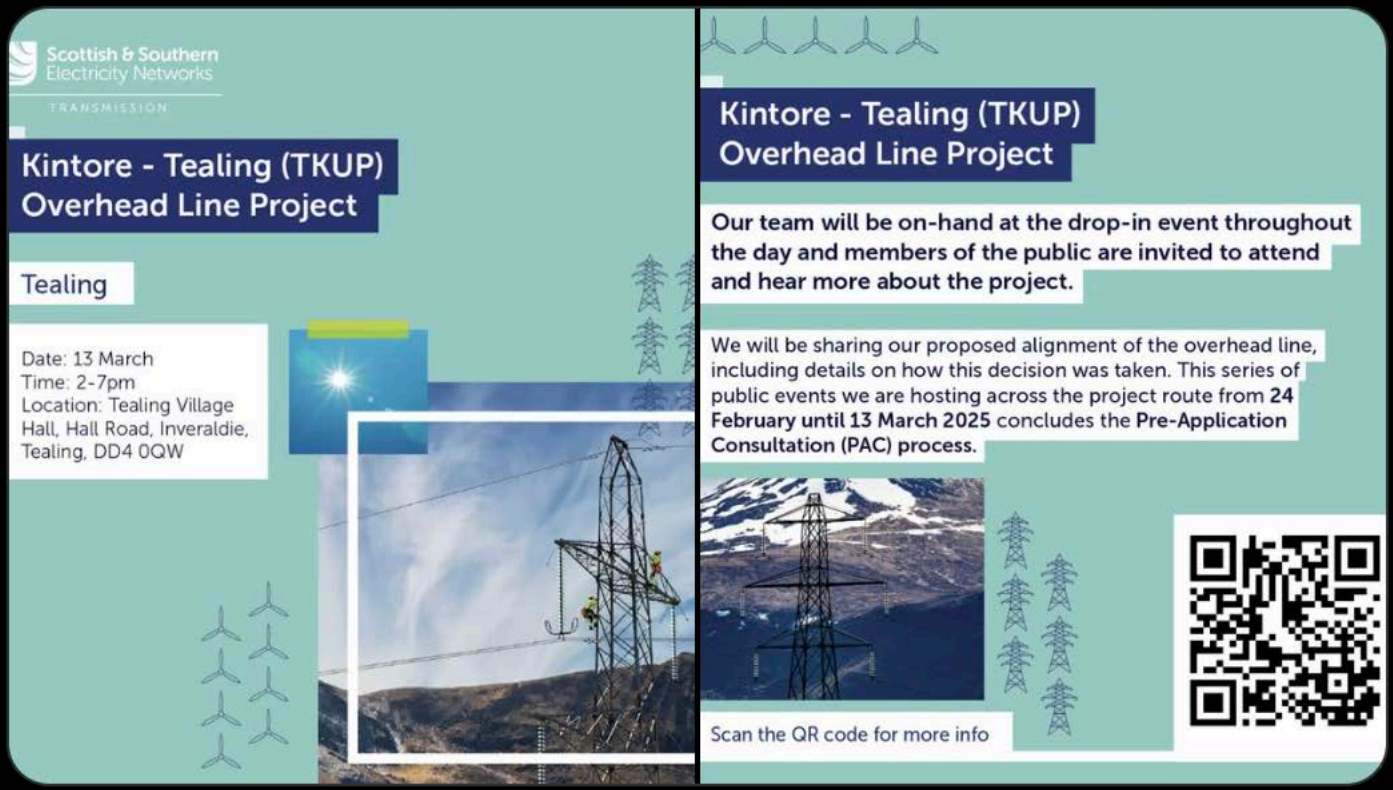
SSEN Transmission @SSETransmission · Mar 11 **Promote**

⚡ We're inviting community members to come along and find out more about our proposed final alignment for the Kintore - Tealing (TKUP) Overhead Line Project at our upcoming public engagement event in Tealing.

🗓️ 13 March
📍 Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW
⏰ 2 - 7pm

👷 Our team will be on-hand at the event throughout the day. Come along, ask questions, and find out more.

➡️ For information on the route, scan the QR code or visit ssen-transmission.co.uk/TKUP



74

Kintore to Tealing 400kV Overhead Line Project

Scottish & Southern Electricity Networks
TRANSMISSION

Final overhead line alignment consultation events

We are hosting a series of public events across the project route from 24 February until 13 March 2025. These events conclude the Pre-Application Consultation (PAC) process for the consent application that will be submitted under section 37 of the Electricity Act 1989.

To support the growth in renewable developments across the north of Scotland, investment in our network infrastructure is needed to connect this power and transport it to areas of demand. This includes a new 400kV overhead line between Kintore and Tealing connecting to two new substations in Fetteresso Forest (Hurlie) and Tealing (Emmock).

We will be sharing our proposed alignment of the overhead line, including details on how this decision was taken. This will be presented on maps and visualisations with booklets and handouts available for attendees and digital versions available to download on our project webpage.

Interested parties can attend our drop-in events to discuss our plans with the project team and share your thoughts on the final alignment ahead of submission of planning. Feedback can be provided through printed forms available at the events, the online form available on the project webpage or in email to the project inbox.

Find out more and register for project updates, visit the project website: **ssen-transmission.co.uk/TKUP**

@ssentransmission @SSETransmission

The events will be held at the following locations:

Monday 24 February, 2–7pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Tuesday 25 February, 2–7pm
Echt Hall, Echt, Westhill, AB32 6UL

Wednesday 26 February, 2–7pm
Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Thursday 27 February, 2–7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

Monday 3 March, 2–7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 4 March, 1–6pm
Inglis Memorial Hall and Library, High Street, Edzell, Brechin, DD9 7TF

Wednesday 5 March, 2–7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Monday 10 March, 2–7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 11 March, 2–7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Wednesday 12 March, 2–7pm
Forfar Reid Hall, Castle Street, Forfar, DD8 3HX

Thursday 13 March, 2–7pm
Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW

We invite all interested parties to attend our drop-in exhibitions to discuss our plans with the project team and share your views.

Scottish & Southern Electricity Networks
TRANSMISSION

APPENDIX E – PAC 2 CONSULTATION BOOKLET

Scottish & Southern Electricity Networks

TRANSMISSION

Kintore to Tealing 400kV Overhead Line

Including Emmock and Tealing Section 37 Tie-Ins

Final Pre-Application Consultation (PAC) Events

February/March 2025

ssen-transmission.co.uk/TKUP

Contents

Powering change together	03
The Pathway to 2030	04
About the Kintore – Tealing 400kV projects	06
Emmock and Tealing Section 37 tie-ins	07
Project location	10
The story so far	12
Selecting an alignment	14
Proposed Alignment overview	16
The consenting process	17
About the overhead line	18
Our access strategy	23
Addressing feedback	25
FAQs	28
Notes	33
3D visualisations	34
Project timeline	36
Next steps	38
Your feedback	39

The events will be taking place on:

Monday 24 February, 2–7pm
Kintore Public Hall, 12 School Road, Kintore, AB51 0UX

Tuesday 25 February, 2–7pm
Echt Hall, Echt, Westhill, AB32 6UL

Wednesday 26 February, 2–7pm
Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

Thursday 27 February, 2–7pm
Durris Kirkton Hall, Kirkton of Durris, Banchory, AB31 6BP

Monday 3 March, 2–7pm
Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Tuesday 4 March, 1–6pm
Inglis Memorial Hall and Library, High Street, Edzell, Brechin, DD9 7TF

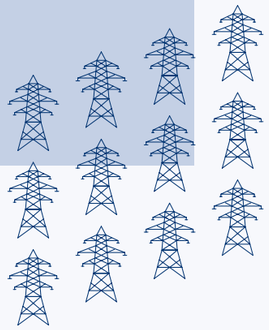
Wednesday 5 March, 2-7pm
Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

Monday 10 March, 2-7pm
Menmuir Hall, Brechin, DD9 7RN

Tuesday 11 March, 2-7pm
Memus Community Hall, Memus, Forfar, DD8 3TY

Wednesday 12 March, 2-7pm
Forfar Reid Hall, Castle Street, Forfar, DD8 3HX

Thursday 13 March, 2-7pm
Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW



Kintore to Tealing 400kV Overhead Line

Powering change together

The time has come to further enhance Scotland's energy infrastructure, providing power for future generations as we move towards net zero.

The shift to a cleaner, more sustainable future is about more than climate change. It's about ensuring future generations have the same opportunities to thrive as we have all had.

Countries around the world are investing in their energy infrastructure to support the demands of modern economies and meet net zero targets. The UK is leading the way in building a modern, sustainable energy system for the future.

We all have a part to play

When it comes to net zero, we have to be in it together. The UK and Scottish governments have ambitious net zero targets, and we are playing our part in meeting them.

We work closely with the National Energy System Operator (NESO) to connect vast renewable energy resources—harnessed by solar, wind, hydro and marine generation—to areas of demand across the country. Scotland is playing a big role in meeting this demand, exporting two thirds of power generated in our network.

But there is more to be done. By 2050, the north of Scotland is predicted to contribute over 50GW of low carbon energy to help deliver net zero. Today, our region has around 9GW of renewable generation connected to the network.

At SSEN Transmission, it is our role to build the energy system of the future.

We're investing over £20 billion into our region's energy infrastructure this decade, with the potential for this to increase to over £30 billion. This investment will deliver a network capable of meeting 20% of the UK's Clean Power 2030 target and supporting up to 37,000 jobs, 17,500 of which will be here in Scotland.

Scan the QR code with your smart phone to find out more about how these policies have been assessed and determined.

Who we are

We are responsible for maintaining and investing in the electricity transmission network in the north of Scotland. We are part of SSE plc, one of the world's leading energy companies with a rich heritage in Scotland that dates back more than 80 years. We are also closely regulated by the GB energy regulator Ofgem, who determines how much revenue we are allowed to earn for constructing, maintaining and renovating our transmission network.

What we do

We manage the electricity network across our region which covers a quarter of the UK's land mass, crossing some of the country's most challenging terrain. We connect renewable energy sources to our network in the north of Scotland and then transport it to where it needs to be. From underground/subsea cables and overhead lines to electricity substations, our network keeps your lights on all year round.

Working with you

We understand that the work we do can have an impact on communities. So we are committed to minimising our impacts and maximising all the benefits that our developments can bring to your area. We're regularly assessed by global sustainability consultancy AccountAbility for how we engage with communities. That means we provide all the information you need to know about our plans and how they will impact communities like yours. The way we consult is also a two-way street. We want to hear people's views, concerns, or ideas and harness local knowledge so that our work benefits their communities: today and long into the future. You can share your views with us at: **ssen-transmission.co.uk/talk-to-us/contact-us**

The Pathway to 2030

Building the energy system for the future will require delivery of significant infrastructure over the next few years. In partnership with the UK and Scottish governments, we are committed to meeting our obligation of connecting new, renewable energy to where it's needed by 2030.

Achieving Net Zero

By 2030, both the UK and Scottish governments are targeting an expansion in offshore wind generation of 50GW and 11GW respectively. The Scottish Government has also set ambitious targets for an additional 12GW of onshore wind by 2030.

Across Great Britain, including the north of Scotland, there needs to be a significant increase in the capacity of the onshore electricity transmission infrastructure to deliver these 2030 targets and a pathway to net zero.

Securing our energy future

And it's not just about net zero. It's also about building a homegrown energy system, so that geopolitical turmoil around the world doesn't severely impact the UK and push up energy prices.

The UK Government's British Energy Security Strategy further underlines the need for this infrastructure, setting out plans to accelerate homegrown power for greater energy independence. The strategy aims to reduce the UK's dependence on and price exposure to global gas wholesale markets through the deployment of homegrown low carbon electricity generation supported by robust electricity network infrastructure.

Meeting our 2030 targets

In July 2022, the National Energy System Operator (NESO) published the Pathway to 2030 Holistic Network Design (HND). This set out the blueprint for the onshore and offshore transmission infrastructure that's required to support the forecasted growth in the UK's renewable electricity.

It's an ambitious plan that will help the UK achieve net zero.

What does this mean for the East of Scotland?

The East of Scotland will play a key role in meeting these goals. The extensive studies that informed the NESO's Pathway to 2030 HND confirmed the requirement to increase the power transfer capacity of the onshore corridor from Kintore to Tealing.

This requires a 400kV connection between these sites to enable the significant capability needed to take power from onshore and large scale offshore renewable generation, connecting on the East Coast of Scotland before transporting power to areas of demand.

As part of these plans, we are proposing to build a new 400kV overhead line (OHL) between Kintore and Tealing. This also requires two new 400kV substations to be constructed in Fetteresso Forest (Hurlie) and Tealing (Emmock) which the new OHL will connect into and enable future connections and export routes to areas of demand.

In addition, two of the existing 275kV OHLs out of the existing Tealing substation to Alyth and Westfield require upgrades to 400kV operation and to be connected to the proposed new Emmock 400kV site.

These five projects, collectively are called the Kintore to Tealing 400kV projects, and are critical to enable the delivery of the UK and Scottish Government's targets.

Kintore to Tealing 400kV Overhead Line

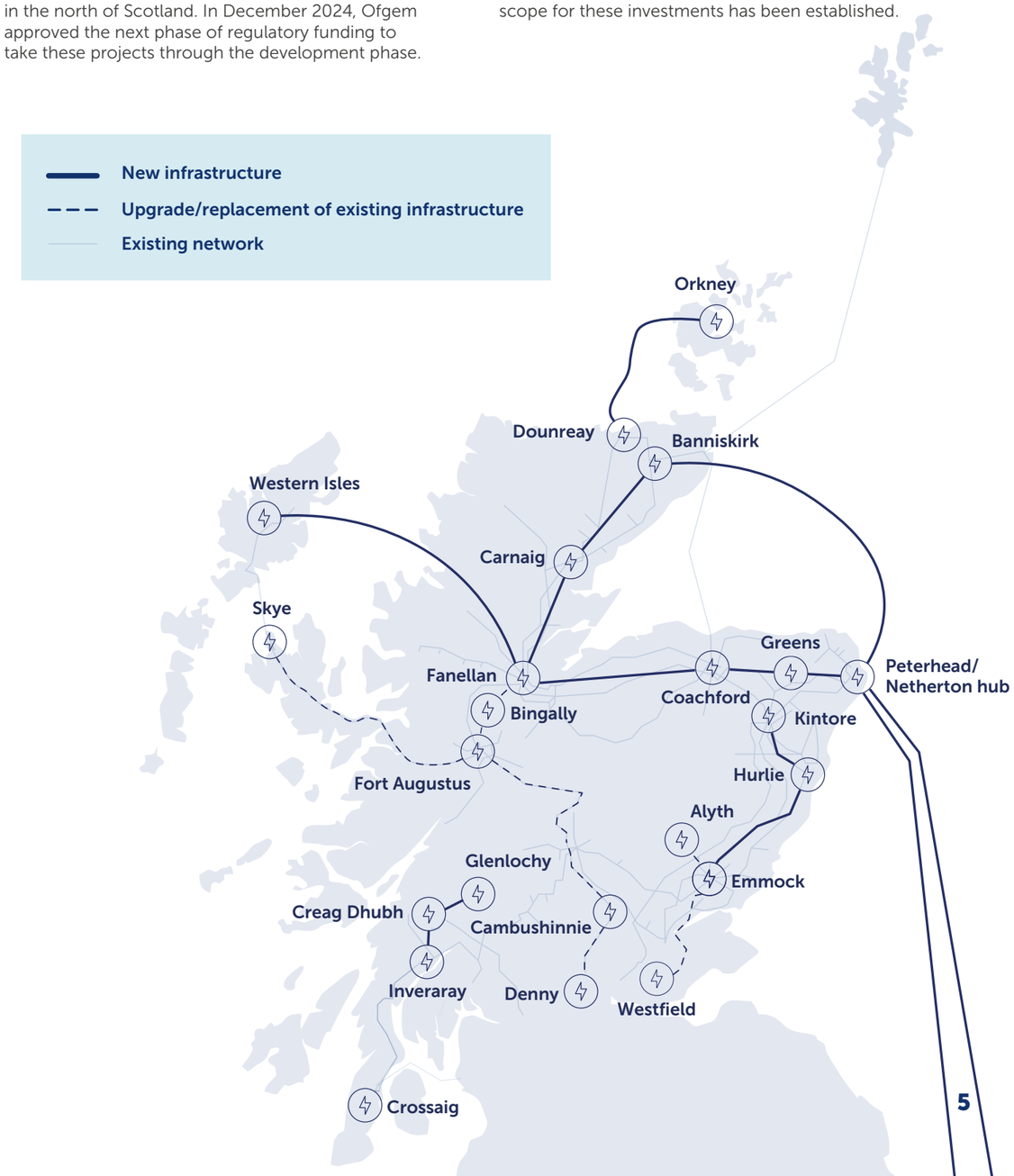
Future network investment requirements

To deliver energy security and net zero, further investment in new low carbon electricity generation and the enabling electricity transmission network infrastructure will be required across Great Britain, including the north of Scotland.

In March 2024, the independent National Energy System Operator (NESO) published its 'Beyond 2030' report, which confirmed the need for several new, replacement and upgraded transmission infrastructure projects in the north of Scotland. In December 2024, Ofgem approved the next phase of regulatory funding to take these projects through the development phase.

These additional investments will soon be subject to extensive public consultation and engagement to help inform their development, with early development activity, consultation and engagement expected to take place within 2025.

Additional regional investments are also likely to be required to deliver the UK Government's Clean Power 2030 ambition. Further details on these will be communicated once the need and scope for these investments has been established.



About the Kintore – Tealing 400kV projects

We are leading on the delivery of critical infrastructure projects to power change in the UK and Scotland. To support the delivery of 2030 offshore wind targets set by the UK and Scottish Governments, and to power local communities, we need to upgrade our existing network. In some key areas, we need to develop entirely new infrastructure.

The Kintore – Tealing 400kV project consists of five key onshore projects comprising of works to develop new infrastructure and upgrade existing infrastructure in both SSEN Transmission and Scottish Power Transmission's areas. Due to the criticality of these works, there is a requirement for accelerated development and delivery to meet the 2030 connection dates.

Kintore – Tealing 400kV OHL connection

This project spans a significant length of the North East of Scotland and will involve the construction of a new 400kV overhead line between new proposed substations near Tealing (Emmock), Fetteresso Forrest (Hurlie) and Kintore (Existing Kintore substation).

The connection will be delivered via an overhead line of steel lattice towers (commonly referred to as pylons) likely to average around 57m in height, with the overhead line spanning a total length of approx. 106km. This is split into two sections:

- Approximately 35km between the 400kV substation currently under construction at Kintore and the proposed new 400kV Hurlie substation.
- Approximately 72km between Hurlie and the proposed new 400kV Emmock substation.

Since the project was first consulted on in May 2023, our project team have been working to refine our proposals, considering feedback from local stakeholders and we are now able to share our Proposed Alignment. This is the alignment option that we will look to take forward to the consent application (Section 37) that will be submitted to the Energy Consents Unit (ECU) of the Scottish Government.

Hurlie 400kV substation

A new 400kV substation, known as Hurlie, is located near the existing substation in Fetteresso Forest to provide a connection for the new proposed Kintore – Tealing 400kV OHL.

The planning application for Hurlie was submitted to Aberdeenshire Council in December 2024 (APP/2024/1951).

Emmock 400kV substation

A new 400kV substation is essential to enable the connection of the proposed Kintore – Tealing 400kV OHL as well as allowing the upgraded Alyth – Tealing and Tealing – Westfield OHLs to connect at 400kV. Tealing has been selected as the preferred area as it reuses existing infrastructure via Westfield and Alyth down to Kincardine that can be upgraded to 400kV operation.

A new substation site near Tealing, close to the existing Tealing substation, minimises the requirement for new infrastructure.

The planning application for Emmock was submitted to Angus Council in November 2024 (24/00699/FULN).

Upgrade to 400kV for Alyth – Tealing and Tealing – Westfield OHL

To support the increased capacity from the proposed Kintore - Tealing 400kV OHL, the export routes to areas of demand must be upgraded to 400kV. This means the existing Alyth - Tealing and Tealing - Westfield OHLs, which currently operate at 275kV need to be upgraded to operate at 400kV. This is known as 'reconductoring' and is achieved by replacing the existing conductors with larger capacity conductors and other associated fittings. This will require other elements of works including access track construction and foundation upgrades. Once upgraded, these lines will connect into the proposed new 400kV substation at Tealing (Emmock).

Section 37 applications have been submitted for both upgrade projects to the ECU in November 2024 (Alyth – Tealing 400kV Upgrade ECU Ref. ECU00005167 & Tealing – Westfield 400kV Upgrade ECU Ref. ECU00005168).

Kintore to Tealing 400kV Overhead Line

Emmock and Tealing Section 37 tie-ins

The Emmock and Tealing tie-ins comprise the diversion of short sections of the Alyth to Tealing (A-T OHL) and Tealing to Westfield (T-W OHL) 275kV OHLs, which currently connect at their eastern extent with the existing Tealing 275kV substation, to connect with the proposed Emmock 400kV substation.

Consent for this work will be applied for via a standalone Section 37 application under the Electricity Act 1989 to Scottish Ministers. Consent is also sought under the same application for the installation of two short sections of parallel 275kV OHL 'tiebacks' between Emmock substation and Tealing substation.

The project is essential to the completion of the Kintore to Tealing projects, as it would provide the tie-ins for the reconductored A-T OHL and T-W OHL to the proposed Emmock substation as part of the upgraded 400kV transmission infrastructure. This would allow power to keep flowing whilst the wider upgrade works are undertaken.

The key issues arising from this project are likely to be landscape and visual and cumulative impacts arising from the other proposed electrical infrastructure in the area.

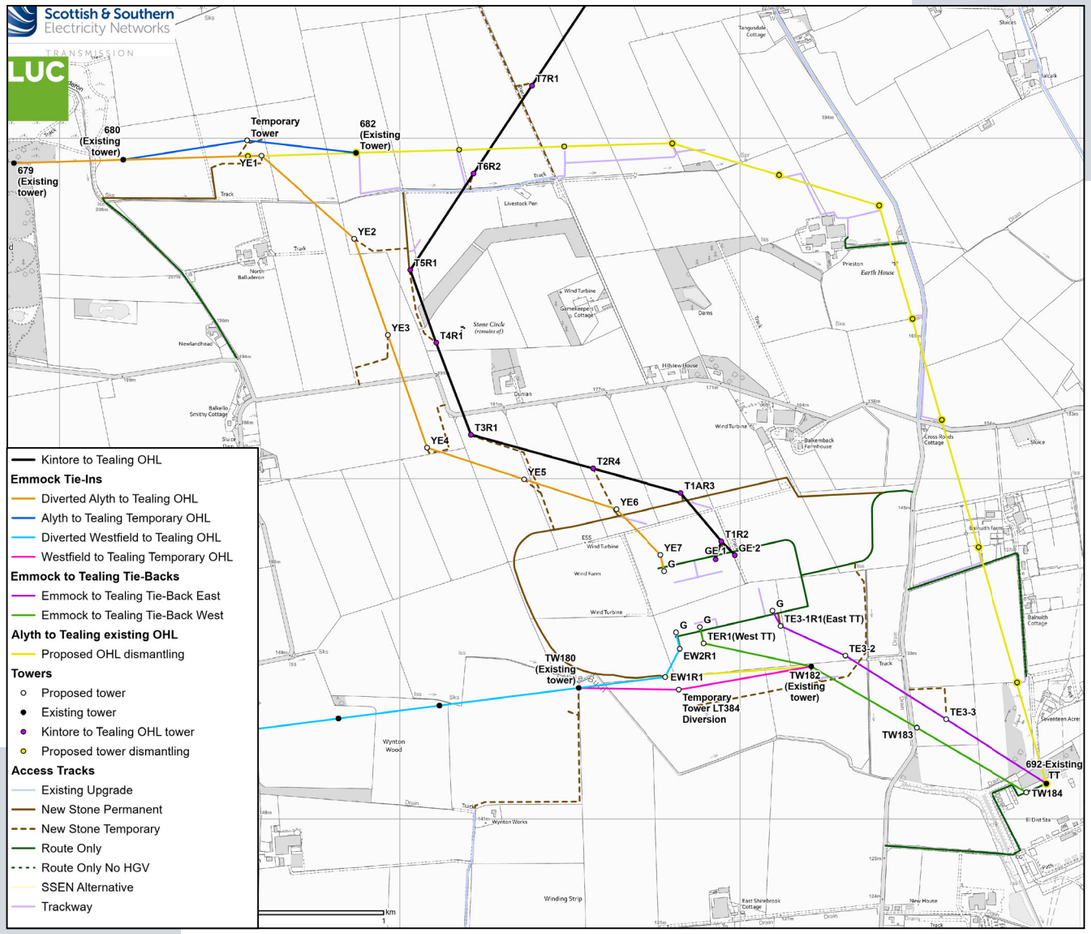
An Environmental Impact Assessment (EIA) Screening Request was submitted in August 2024 and response received in November 2024 confirming an EIA would be required to be undertaken as part of the Section 37 submission. This is expected to be submitted in summer 2025. It is anticipated a decision will be made later this year and we expect to commence construction in relation to these elements in 2026.

Key feedback from consultees in relation to the tie ins is highlighted in the following pages.

Emmock and Tealing Section 37 tie-ins

Feedback

There was limited specific feedback provided on the scope of the tie-in application. However, it is noted that comments on this section of the project was provided in the overarching feedback to the wider project, specifically in relation to section A. This feedback and our response to it is covered in detail in Table 3.5 in the **Alignment Selection Report on Consultation** published January 2025.



Feedback table (Emmock and Tealing Section 37 tie-ins)

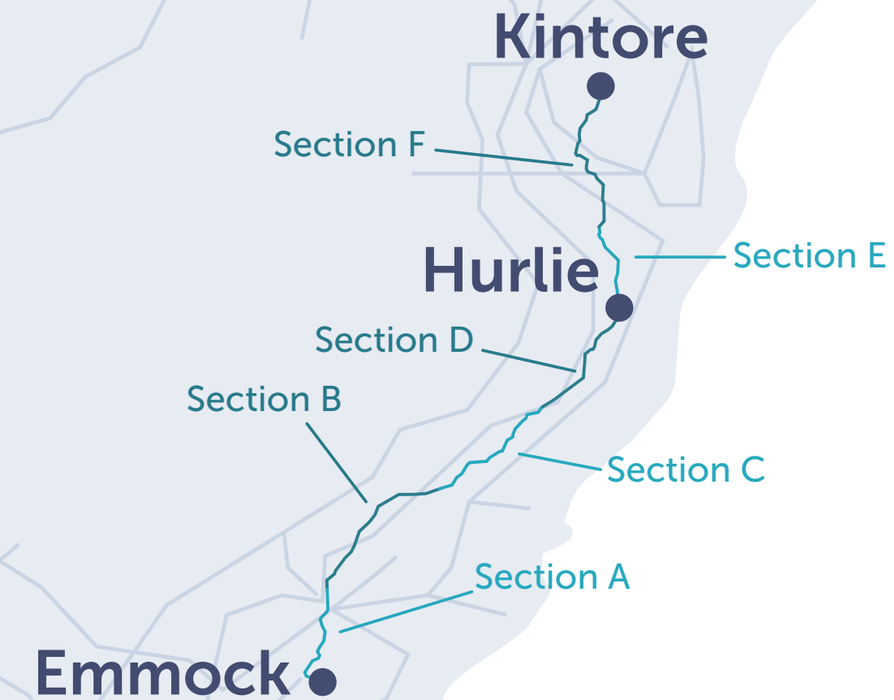
Feedback	Response
Impacts on Scheduled Monuments There are 9 scheduled monuments within 3km of the proposed development which the development could have an impact on.	Whilst there will be some impact on the setting for some of the referenced scheduled monuments in the immediate vicinity of the proposed development, there will be no direct impacts on these assets either through construction or operation of the OHL's.
Impacts on views Many attendees have highlighted concerns about the impact the proposed development will have on views around Tealing from their properties.	At this stage the alignment for the route is now fixed, however there is the opportunity for further refinement to limit impacts further within the Limit of Deviation which will be applied for. This LoD will allow for micro siting in specific circumstances to help alleviate impacts as far is practical and reasonable.
Impacts on Birds Potential impacts have been highlighted by consultees in relation to sites designated for various bird species.	Impacts on bird species will be limited and where there is the potential for impacts this has been addressed through mitigation by design through the development for the alignment and applied mitigation through things like screening, planting and specific mitigation through a Breeding Bird Protection Plan all of which will be agreed with the relevant consultees prior to construction.

Kintore to Tealing 400kV Overhead Line

Project location

Our overhead line project spans around 106km and throughout the development of the project, we have presented the project within six sections, to allow you to focus and comment on the areas of most interest to you.

Section	Location
A	Tealing (Emmock) to Forfar
B	Forfar to Brechin
C	Brechin to Laurencekirk
D	Laurencekirk to Hurlie
E	Hurlie to River Dee
F	River Dee to Kintore



Consult our maps

We have split our maps into sections so that you can refer to the areas of most interest to you in clearer detail. Copies will be available at the events to take away with you, or alternatively, you can download the copies you need from our project webpage.

The story so far

May – Jul 23

We first introduced this project in May 2023, consulting on corridors and route options.

The consultation closed on 20 July 2023, with **3,236** written responses received.

Dec 23

We published a Report on Consultation on the combined corridor and route section consultation and to document how the routes being taken forward to the next stage have been informed by this process.

Mar 24

After refining our proposals, we held public consultations where we presented new route options in Sections D, E and F following the change in location of Hurlie 400kV substation. We requested feedback on these potential route options and further updates to the refined routes.

Why we are here today

We are at the alignment stage of the development of our Kintore to Tealing 400kV Overhead Line project and have identified the Proposed Alignment we are taking forward to further develop and submit as part of an application for consent. The Proposed Alignment has been refined from the various options that we have investigated during the development of the project.

We are implementing the Scottish Government's Best Practice Guidance which can be found **here** for pre-application consultation with stakeholders who may be affected by our development proposals. The pre-application consultation comprises two consultation events that should be held in advance of applying for Section 37 consent.

Our first event was held in September 2024, where we presented the Potential (preferred) and Alternative Alignment options. Following that event we considered stakeholder feedback, completed further survey and review of our appraisals, and identified the Proposed Alignment, which is the alignment we intend to take forward to a Section 37 application.

This second event presents further detail on the Proposed Alignment and provides feedback to stakeholders in respect of comments they have provided on the proposals. The feedback is also provided in the Alignment Selection Report on Consultation.

Prior to the pre-application consultations, we have held consultations (during 2023 and 2024) on the corridor and routeing stages of our project development. These consultations were in addition to the pre-application consultation events and the feedback received has been fundamental in shaping the design of the Proposed Alignment that we are now presenting.

We will provide updated 3D visualisations and maps to show what the proposed overhead line will look like and where it will be located. These are available to view and download from our project website: **ssen-transmission.co.uk/TKUP**

We want to know if you have any further comments in relation to how we have responded to feedback and how you would like us to best engage with you in the future, prior to the submission of our Section 37 application.

It should be noted that our alignment proposals presented at this event are the result of extensive engagement and project design, as such, there is limited scope to make significant changes to the proposals at this stage.

Apr/Aug 24

The consultation closed on 30 April 2024, with **1,610** written responses received.

We published a Report on Consultation in August 2024 confirming the proposed route options being taken forward to alignment and detailing how consultation has informed this process.

Sept – Oct 24

We held a further series of public consultations where we presented our potential alignment options as well as alternative alignment options in some sections and sought feedback on these proposals.

The consultation closed on 21 November 2024, with **872** written responses received.

Jan – Mar 25

Following consideration of the feedback received during our 2024 engagement and further studies and survey work, we published our Alignment Selection Report on Consultation in January 2025. Within the Alignment Selection Report on Consultation, we confirmed the Proposed Alignment that we will look to take forward in our consent application.

Final pre-application consultation (PAC) events will be held in February/March 2025.

Working with you

The work we have planned is significant and has the potential to deliver wide ranging benefits in your community, Scotland, and beyond. We know that delivering our projects will require a lot of work that has the potential to impact on you. That's why we want to work with you at every step of the way throughout the planning and delivery stages of these essential works. We are committed to ensuring a meaningful engagement process that actively seeks the views of everyone affected by our plans. That means making our plans clear and easily accessible, so that you can give us input throughout each stage of the development process. We appreciate all feedback received to date which has been analysed by the project team. Feedback has been actioned where constraints allow.

A more detailed appraisal of feedback regarding our alignment, can be accessed via our Alignment Selection Report on Consultation, published January 2025.

Scan the QR code to access our Report on Consultation (ROC)

Kintore to Tealing 400kV Overhead Line

Selecting an alignment

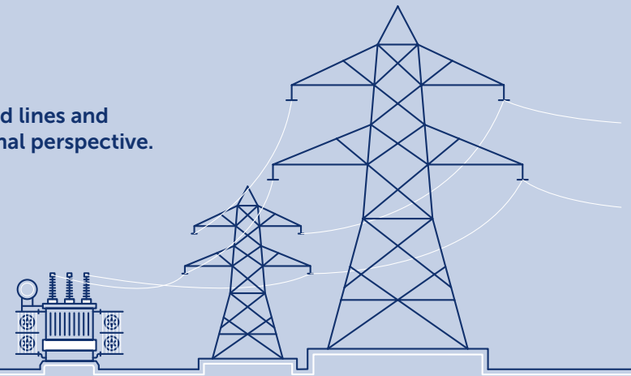
The consideration of alignment options and design solutions brings together work by four main disciplines:

Engineering Team

Who identify engineering constraints and where overhead lines and cables can be installed from a construction and operational perspective.

Key considerations include:

- Infrastructure crossings
- Environmental design
- Ground conditions
- Accessibility
- Proximity to existing infrastructure and properties



Communities Team

Who work with communities and make sure that their feedback during the consultation process is closely considered during project refinement.

Key considerations include:

- Community engagement
- Consultation responses review
- Recreational areas and areas of local interest

Land Team

Who engage with landowners to identify key land use constraints.

Key considerations include:

- Landowner engagement
- Mitigating effects of infrastructure on land and properties
- Reaching land agreements

Environmental Team

Who identify key environmental, community and social constraints along the routes which the new infrastructure could impact upon.

Key considerations include:

- Engagement with statutory consultees and planning authorities
- Results of specialist environmental surveys including archaeology, ornithology, ecology, geology and hydrology
- International environmental designations including Special Areas of Conservation (SACs - designated for habitats), Special Protected Areas (SPAs - designated for bird species), Sites of Special Scientific Interest (SSSI), Ramsar sites (wetlands of international importance identified under the terms of the Ramsar Convention) and World Heritage Sites
- National designations including Scheduled Monuments, Listed Buildings, National Scenic areas, National Nature Reserves, Gardens and Designed Landscapes
- Regional environmental sensitivities including Wild Land Areas and Special Landscape Areas
- Local environmental aspects including visual amenity, local and RSPB nature reserves, recreation uses

Striking a balance

When selecting an alignment, we need to carefully balance key considerations relating to engineering, environment, cost and social aspects, in each section of the overhead line route.

We then consider the likely effect and level of impact of each consideration, which will vary from section to section.

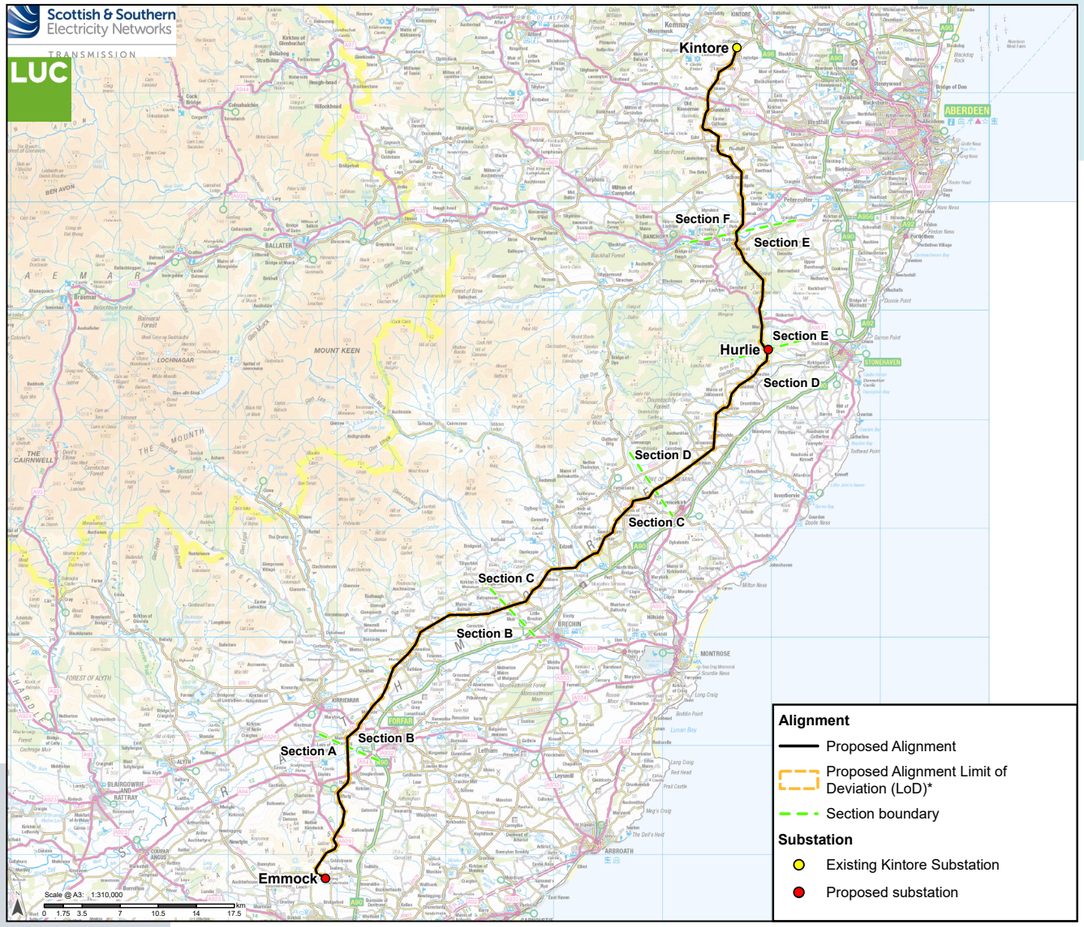
This can be based on how populated the area is, the outcomes of environmental and engineering surveys, the presence of peat, the local water environment, if there is existing infrastructure we need to avoid, if the effects on land and property can be mitigated and if a constructable alignment can be identified.

You can download our Alignment Maps, Alignment Consultation Document from our website: **ssen-transmission.co.uk/TKUP**

Ultimately, we need to balance a range of factors and present the solution we consider most viable for consultation. We consulted on our Potential Alignment in September 2024 and have now confirmed the alignment option we are taking forward as the Proposed Alignment within our Alignment Selection Report on Consultation published January 2025.

Our Alignment Selection Report on Consultation documents the consultation responses received as part of our alignment consultation process for the project and where appropriate, shows how the Proposed Alignment being taken forward to consent has been informed by this process. This can be downloaded from the project webpage or viewed during the events.

Proposed Alignment overview



Kintore to Tealing 400kV Overhead Line

The consenting process

The legislation governing the consenting of overhead line (OHL) projects in Scotland is the Electricity Act 1989. Applications for consent to construct and operate new overhead lines are made under Section 37 of this Act and are referred to as "Section 37 Consents".

The Section 37 application will be accompanied by an Environmental Impact Assessment (EIA) Report, as well as standalone reports such as a planning statement, and detailed design drawings. A Pre-Application Consultation (PAC) Report will also be provided, and this will provide details of the public and stakeholder consultation undertaken, a summary of the feedback received, and our response to that feedback.

We plan to submit our Section 37 application to the Scottish Government's Energy Consents Unit (ECU) in Spring 2025.

Once an application for consent has been submitted, all documents relating to the submission will be made publicly available on the ECU portal and our own website. Printed copies will also be available at publicly accessible locations. There will be an opportunity for the public to make formal representations to the ECU before a recommendation is made by them to the Scottish Ministers for a decision.

Please note that feedback provided as part of this final alignment consultation event are not formal representations to the Energy Consents Unit (ECU). Once an application for consent has been submitted, there will be an opportunity for the public to make formal representations to the ECU before it takes a decision.

We will update stakeholders once the application for consent has been submitted and we will also publish newspaper advertisements to inform local communities and the general public of the applications being made to Scottish Ministers.

Determining a Section 37 application and communicating outcomes

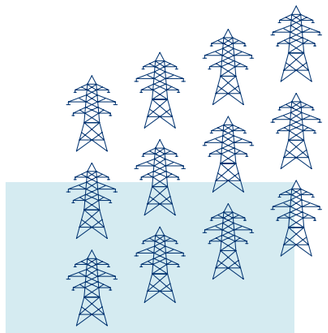
Section 37 applications are determined on a case-by-case basis by the Scottish Ministers.

We anticipate receiving a decision on the consent application within 12 months from the application date, however timescales may vary.

When a decision is made, the ECU will send us a decision notice, copying in the local planning authorities and other consultation bodies. The decision notice is a record of the reasons for the decision and, if consent is granted, it contains the conditions that must be satisfied in order to implement the consent.

The ECU and local planning authority will publish the decision notice via their own channels, and we must publicise the outcome on our website, in the Edinburgh Gazette, and in a local newspaper. We will also communicate the decision by mainstream media and other various means, including email updates to Elected Members and those signed up to project updates, social media, and press releases.

Read more here about the Section 37 process here



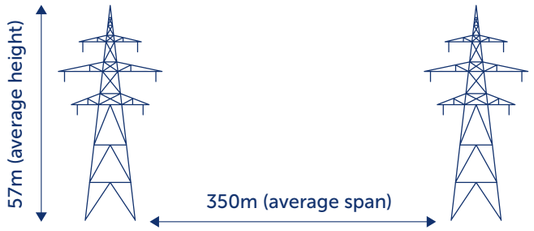
About the overhead line

400kV double circuit overhead line

The required technology for the new Kintore – Tealing 400kV OHL connection has been determined to be a new double circuit 400kV HVAC (High Voltage Alternating Current) overhead line.

The overhead line would consist of steel lattice towers with an average height of approximately 57m which would support six conductor bundles on six cross arms and an earth wire between the peaks for lightning protection. The average distance between towers is expected to be 350m. Tower height and the distance between them will vary dependent on several factors such as altitude, climatic conditions and topography.

On the proposed Kintore - Tealing 400kV OHL, 55% of the towers are below 57m. Towers range from 49.5m in height to 69.6m in height. One tower, situated within Hurlie substation, is 72m to overcome the change in elevation.

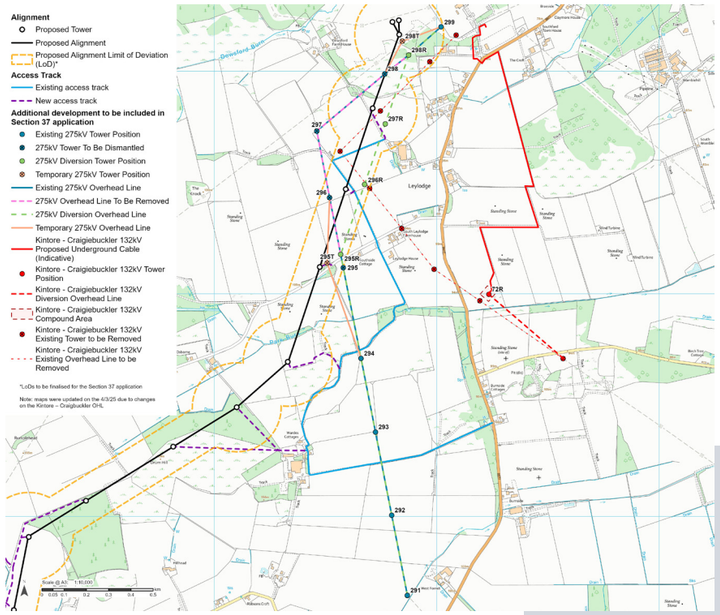


Ancillary development

Additional works that will also be required as part of the construction of the new overhead line include the following:

- Upgrade of existing and creation of new access tracks, described in more detail on page 22;
- Vegetation clearance and management;
- Temporary working areas around the proposed tower locations to facilitate construction;
- At some tower locations, the formation of temporary flat areas from which the conductors (wires) will be pulled through during construction. These areas will contain earthed metal working surfaces referred to as Equipotential Zones (EPZs);
- Other temporary measures required during construction, such as measures to protect road, railway and water crossings during construction (e.g. scaffolding);
- Temporary construction compounds will also be required at locations along the overhead line route; The final location and design of temporary site compounds will be confirmed by our Contractor and separate planning consents will be sought as required.

Works required around Kintore substation



The challenges with undergrounding at 400kV

The environmental, technical, and operational constraints associated with undergrounding at 400kV make it extremely challenging to deliver in many areas of Scotland. For underground cables at this capacity, longer than 1-2km, additional substation infrastructure would also be needed, enlarging the project's footprint.

Underground cables at 400kV are estimated to be between 5 and 10 times more expensive than overhead lines, and since these costs are reflected in consumer bills, it is a factor that needs to be considered. To deliver the necessary capacity, up to 30 parallel cables will be required. To achieve the required spacing, a trench of over 40m wide would need to be excavated, typically between 1m and 7m deep. During construction, a working corridor of over 70m wide is required for cable installation. This can result in significant land use constraints, typically more so than overhead line construction activities, particularly for farming operations.

BETWEEN 5–10x
More expensive than overhead lines

UP TO 30
Parallel cables required

Trench of **OVER 40M WIDE AND 1–7M DEEP**
would need to be excavated

OVER 70M WIDE
working corridor, which can result in **significant land use constraints**

Why the development cannot be placed offshore

In its assessment of what is required to meet 2030 targets, the National Energy System Operator (NESO) concluded there is a need for both onshore and offshore projects. Overhead lines can carry roughly three times more power than subsea cables, making them more efficient and cost effective for energy bill payers, whilst technical challenges and constraints limit the use of only offshore solutions.

Moreover, onshore energy infrastructure helps support local electricity needs and improves the network's reliability across northern Scotland. Visit our Frequently Asked Questions page to find out more about our engineering and technology considerations including more details regarding underground and offshore cables: **ssen-transmission.co.uk/2030faqs**

Managing construction impacts

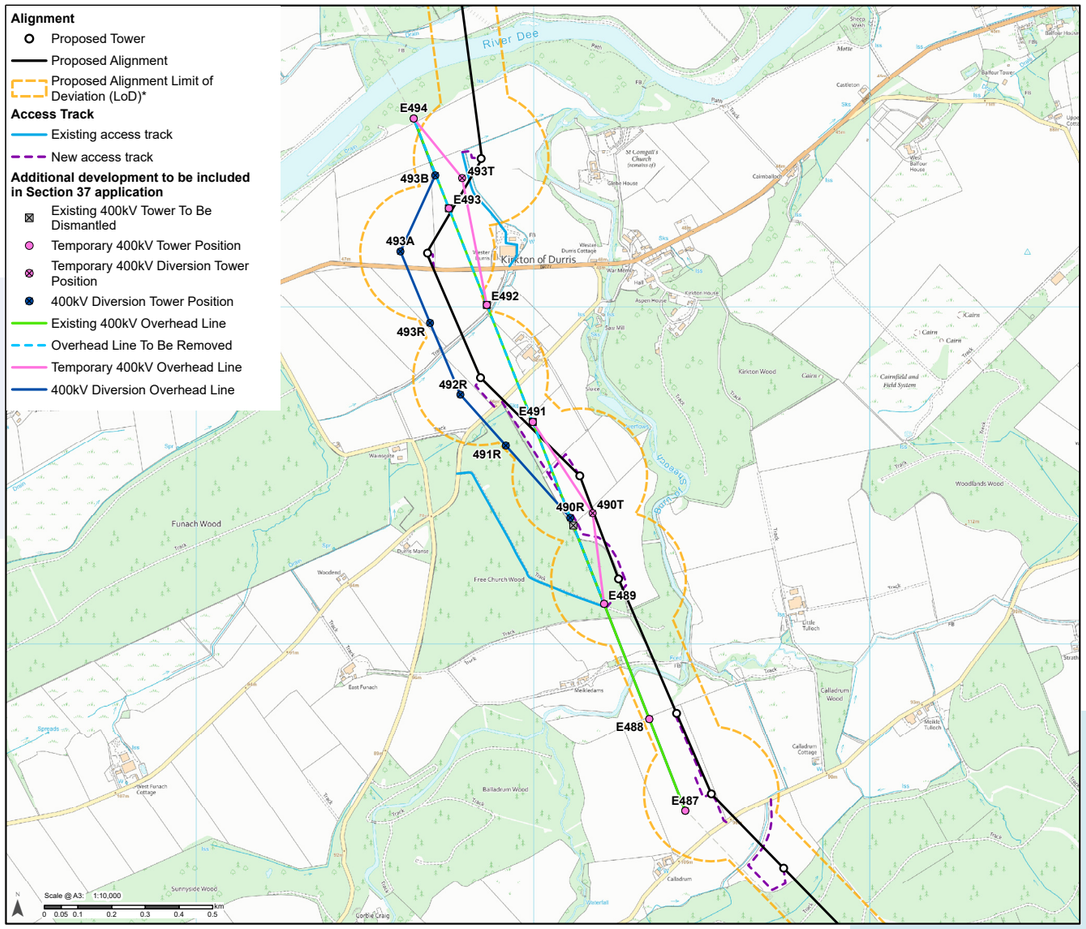
We are committed to minimising the impact of construction through avoiding potential issues by designing them out, undertaking thorough environmental assessments and working closely with the local community. Our focus includes mitigating effects, for example to people, biodiversity, water, soil, and traffic disturbances. A Construction Environment Management Plan will be set up, to ensure mitigation is put in place and its effectiveness is monitored throughout the construction phase.

During construction, expected short-term impacts may include noise and traffic disruptions. Before starting, we will have a plan to manage these, including organising deliveries and travel to avoid busy times and sensitive areas. We will work closely with community groups and contractors to ensure adherence to mitigation measures. Typically, most project components will take around four years to complete, however these works will be phased across the length of the overhead line with bursts of activity and quiet periods.

About the overhead line

Permanent Diversion of Existing Transmission Infrastructure

To enable sufficient space for the new 400kV OHL to connect into Kintore 400kV substation, we are having to permanently divert two existing transmission OHLs. Similarly, to create sufficient clearance between properties and the existing Kintore – Fetteresso OHL, we are having to permanently divert a short section of the existing line. Details of these diversions are set out below.



Permanent undergrounding of the Kintore – Craigiebuckler 132kV overhead line

Prior to installation of the proposed Kintore to Tealing 400kV Overhead Line, approximately 1.5km of the existing 132kV overhead line between Kintore substation and Craigiebuckler requires to be undergrounded near Kintore. This will involve the construction of a new compound, structure and associated substructures to underground the OHL. Following completion of this work, any redundant towers will be dismantled and removed. Tower removal is typically completed by cutting the tower legs and felling the tower in a controlled manner.

Permanent Realignment of the existing Kintore – Fetteresso 275/400kV overhead line west of Kirkton of Durris

A 2.4km section of the existing Kintore – Fetteresso 275/400kV OHL west of Kirkton of Durris needs to be realigned slightly further west, to allow space for the proposed 400kV whilst maintaining the property buffers defined by the project. The section of realigned overhead line will be constructed using a standard 275/400kV tower design, with an average height of 45m. Following construction and energisation of the realigned section of overhead line, the redundant section of the existing overhead line will be dismantled and removed.

Permanent realignment of the existing Kintore – Tealing 275kV overhead line south of Kintore

A 1.6km section of the existing Kintore - Tealing 275kV overhead line south of Kintore needs to be realigned slightly further south east, to allow space for the proposed 400kV overhead line to connect into the Kintore 400kV substation. The section of realigned overhead line will be constructed using a standard 275kV tower design, with an average height of 45m. Following construction and energisation of the realigned section of overhead line, the redundant section of the existing overhead line will be dismantled and removed.

Temporary overhead line diversions

A number of temporary overhead line diversions will also be needed to enable the changes to existing overhead lines (realignments, diversions and crossings), to allow for continued operation of the electricity network during the construction works. It is currently anticipated that five temporary diversions will be required along the route of the overhead line, the locations of which are illustrated on the maps provided. Temporary diversions will require the construction of temporary towers, or poles, onto which the existing overhead line conductors (wires) will be moved. Once the main construction works have been completed, the temporary towers will be dismantled and the surrounding areas reinstated.

Existing overhead line crossings

Where the proposed 400kV overhead line crosses existing transmission infrastructure, either a 'diamond crossing' or 'duck under' tower arrangement will be used to allow the existing overhead line to pass underneath the proposed overhead line. For both types of crossing, the existing overhead line would be split into two single circuits, which would pass separately under the new overhead line using a flat formation (horizontal) tower.

For TKUP specifically, there is one 132kV transmission overhead line crossing, south of Echt. The proposed crossing follows the recommendations in the Pathway to 2030 FAQ's - Tower Crossings which provides an indicative visualisation of this arrangement.

Works will also be required to some existing distribution network infrastructure (voltages of 66kV and below) to facilitate safe working and operating conditions for the new overhead line. These works are likely to include short sections of undergrounding in the vicinity of the new overhead line, and will be undertaken by Scottish Hydro Electric Power Distribution (SHEPD).

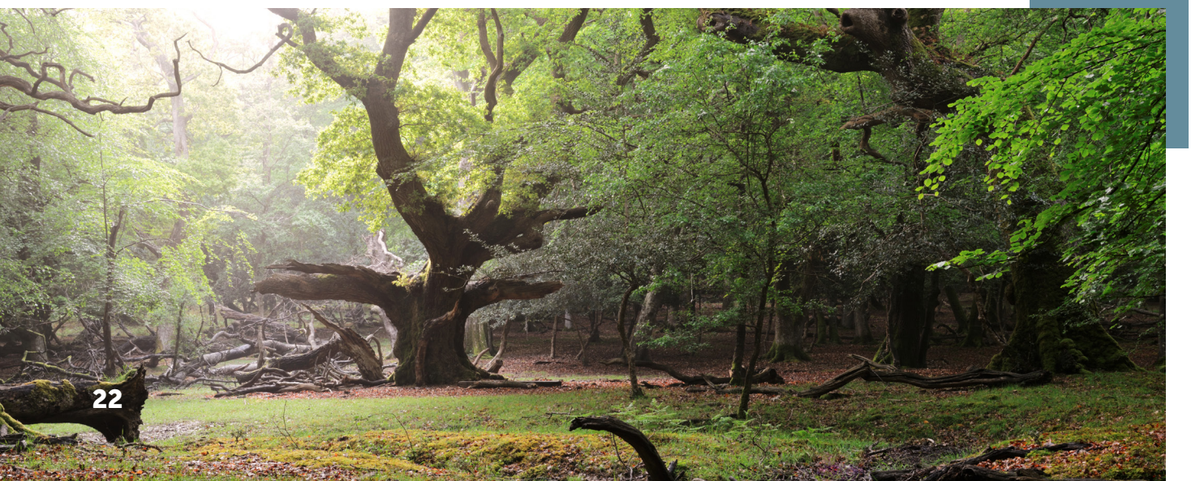
Limits of deviation

The Limits of Deviation (LoD) comprise an area which defines the practical limits within which micrositing of the overhead line infrastructure and access tracks can be sited and construction can be undertaken within the terms of the Section 37 consent.

The location of the proposed tower positions, access tracks and associated temporary and permanent infrastructure (as illustrated on the maps provided) has been determined on the basis of environmental and technical considerations, including engineering analysis of ground conditions and suitability based on desk studies and site walkover surveys. Investigation of sub-surface and geotechnical conditions at the proposed tower locations has not yet been completed. It is therefore possible that individual tower locations, working areas and access tracks may be subject to minor changes in position post determination of the S37 application and completion of geotechnical investigations (referred to as micrositing). To strike a balance between providing certainty of the location of the proposed development and any environmental impacts, and the need for some flexibility over individual tower locations, the horizontal and vertical LoD need to be defined within which the proposed development will be constructed. No towers or working areas would be located outside the proposed LoD. As we develop our Environmental Impact Assessment (EIA) and undertake more detailed design work, we are working to identify the exact LoD required for the project, based on site-specific environmental constraints and engineering considerations. At this time, we have allowed for a horizontal LoD of up to 100m either side of the alignment centreline, extending to 200m around angle tower positions, where larger temporary working areas will be required. A vertical LoD of ±9m is likely to be sought for the proposed tower heights, to ensure that minimum statutory ground clearances can be maintained once further engineering design work has been completed.

Operational corridor

The development of the Proposed Alignment has sought to avoid and minimise impacts on woodlands and forestry where possible, however due to the project area being heavily forested, impacts on forestry are unavoidable. Where the proposed overhead line alignment passes through areas of woodland and commercial forestry, an Operational Corridor is identified to ensure the safe operation of the overhead line. Trees are removed within the Operational Corridor to facilitate construction and ensure continued safe operation of the overhead line. The operational corridor width will typically be 45m either side of the overhead line centreline, but this may vary depending on the type of woodland/ forestry and local topography. This may be reduced where the OHL passes through broadleaved woodland subject to site specific checks. The required Operational Corridor through each area of woodland will be confirmed within our Section 37 consent application, following completion of ongoing woodland assessments. The construction of the project will result in a loss of woodland area. In accordance with the Scottish Government's Control of Woodland Removal Policy, we are committed to providing appropriate compensatory planting for any net loss of woodland. The extent, location and composition of compensatory planting will be agreed with Scottish Forestry.



Our access strategy

Constructing and maintaining our overhead line

We are currently developing our access strategy, which considers access requirements for construction and maintenance of the overhead line. Access requirements have also informed the Proposed Alignment selection process, as a key engineering consideration. We are now determining the proposed access routes for each tower location to establish which existing access tracks can be used and which existing access tracks need to be upgraded alongside locations for the installation of new temporary or permanent access tracks. Maps showing our current plans for access are available and further information on our access strategy will be provided in the EIA as part of the application for Section 37 consent. A detailed traffic and transport assessment will also form part of the EIA, which assesses potential impacts of construction traffic and the capacity of local roads to accommodate this traffic. A Construction Traffic Management Plan (CTMP) will be agreed with the local authorities prior to works commencing.

We have commissioned an experienced OHL contractor, enabling construction access considerations to be at the forefront of this stage in the design process.

The table below explains the different types of tracks that are typically considered and what they are required for.

Type of access	What does it mean?
Existing tracks and bellmouths	In general, proposed construction site access would be taken via the existing public road network and would make use of existing forest and estate or farm tracks as far as practicable, upgraded as required. Existing bellmouths would be utilised where possible, subject to improvements. New bellmouths will be constructed, where required, to ensure safe entry and exit from an access track and the public road.
Stone tracks	Typically, new temporary stone tracks are likely to be required to access each tower location. Stone tracks are designed for the heavy plant loads required for construction works for towers, and to suit the varied ground conditions along the route. On completion of construction, unless required for operational access, the stone tracks would be removed and the original material reinstated. Where access to tower positions is difficult due to steep terrain, or the presence of peat, alternative methods would be proposed such as floating access tracks, using smaller items of plant, specialist tracked plant, and in some cases using helicopters for moving materials.
Helicopters	The use of helicopters for construction of steel lattice towers is feasible, however, the operational restrictions (e.g. weather, proximity to public roads and environmental factors), and the significant cost implications, for a project of this scale are key considerations. The use of helicopters is likely to be required in more remote sections of the project, and where particular environmental or geographical constraints necessitate their use. Where helicopters are used, construction plant would still require access to each tower location to facilitate construction and erection of towers.
Public road improvements	Public road improvements (PRI) will be required in some locations to facilitate construction traffic travelling along existing public roads. These works could include upgrades such as road widening, installation of temporary or permanent passing places, new or upgraded road junctions, and upgrades to or replacement of existing bridges. Further information on PRI works will be provided in the EIA as part of the application for Section 37 consent.
Access tracks	Where operational access is required, this would likely range from All Terrain Vehicle (ATV) routes with no formal track, to stone road suitable for 4x4 and wagon access. The selection of the type of track required (whether it be temporary or permanent, existing upgraded tracks or new tracks) will consider the proximity to a public road, environmental impacts, structure type, required vehicle use, and potential maintenance activities, including vehicles required in future to a given location (taking health and safety requirements into account). General access track details will be included in the Environmental Impact Assessment (EIA) stage of the project and presented to illustrate where each access type will be deployed, and the rationale for that selection.
Temporary trackways	Temporary trackways are an alternative method of providing access, dependent on ground conditions. Although there may be localised areas where trackways may be suitable, it is not considered an appropriate solution for the construction of steel lattice towers on this project in its entirety, due to the length of time they are required to be in place and the weight and size of construction plant that would be required to track over them. Stone tracks generally afford greater reliability and stability compared to trackway solutions. Similarly, the extensive use of wide tracked excavators and other plant without prior ground preparation are unlikely to be a viable solution for this project in its entirety, although they may be used for certain tasks during construction.

Kintore to Tealing 400kV Overhead Line

Addressing feedback

Consulting on the alignment

In September 2024, we launched our Alignment Consultation, seeking comment on the Potential Alignment and Alternative Alignment options identified for the new proposed Kintore to Tealing 400kV overhead line.

We sought comments from statutory authorities, key stakeholders, elected representatives, the public and landowners on the alignment selection process undertaken and the Potential Alignment and alternative alignments.

Comments received then informed further consideration of the Potential Alignment with a view to confirming a **Proposed Alignment** to be taken forward to consent application.

Feedback

When we consulted in September 2024, we held events in **12 locations** along the length of the alignment between 23 September and 10 October. A total of **1,444** attendees were recorded.

During the 10 week feedback period, which closed on 21 November 2024, **872** written responses were received. This feedback was then analysed and reviewed by the project team to determine where changes could be considered.

Overall, feedback indicated support for the Government's Net Zero policy and energy security aims. In addition, respondents generally noted and understood the rationale behind our Pathway to 2030 programme as a way to help deliver on the Government's targets and aims. However, based on those that responded, feedback from the community was generally not supportive of the approach to delivering the Pathway to 2030 programme, or of the required 400kV OHL connection between Kintore and Tealing across the Potential Alignment in each of the Sections A – F and/or the eight Alternative Alignments. The feedback, on balance, did not significantly indicate that the alternative alignments presented were more favourable to the Potential Alignment (however, as indicated above, there was little support for the project to be taken forward as an OHL in general).

Following our consideration of the consultation feedback, further survey and review of our appraisals, no changes were made to the Potential Alignment, with the exception of Location 7 Schoolhill. At this location we have changed the Potential Alignment and will now take forward Alternative Alignment 7c.

As well as the change at Location 7, minor amendments to tower positions were implemented to the Potential Alignment based on consultation feedback. These changes are reflected in the Proposed Alignment and explained in the Alignment Selection Report on Consultation.

The Proposed Alignment to take forward to our Section 37 consent application can be viewed on page 16 and is available online **here.**

We have included a summary of key feedback about our alignment received from communities, landowners and statutory stakeholders, alongside our response to this feedback in the following table.

Our Report on Consultation (ROC)

A detailed appraisal of feedback received in response to our alignment as presented during the September-October 2024 consultation can be accessed via our Alignment Selection Report on Consultation, published January 2025. Scan the QR code to access our Report on Consultation.

Scan the QR code to access our Report on Consultation (ROC)

Feedback	Response
Section A There were various responses from stakeholders including landowners, members of the community and consultees. We have considered the feedback provided on the alternative alignments and reviewed the findings of the environmental, technical and cost appraisals which were presented in the Consultation Document. We have also taken into account relevant feedback from statutory consultees on the constraints for each alternative alignment including those relating to areas of population, archaeological resources, landscape character and natural heritage. For further detail please see the Report on Consultation.	Having reviewed consultation feedback for Location 1, we will take forward the Potential Alignment 1a identified in the Consultation Document as part of the Proposed Alignment in Section A. The design of the Potential Alignment near Upper Hayston has been adjusted to screen a proposed tower with existing trees, minimising its visibility from residential properties at Jericho. The proximity to properties for the alternatives has been reviewed, and the findings from the Consultation Document remain applicable.
Section B Feedback on alternative alignments has been considered, and the findings from the environmental, technical, and cost appraisals in the Consultation Document have been reviewed. The proximity to properties for the alternatives has also been assessed, and the appraisal findings remain applicable. We have also taken into account relevant feedback from statutory consultees on the constraints for each alternative alignment including those relating to areas of population, cultural heritage designations, landscape character, visual amenity and natural heritage.	After reviewing consultation feedback, including statutory consultee views, Potential Alignment 2a will be adopted for Section B. This alignment is preferred due to its potential to minimise tree loss in the Woodside LNCS woodland. It is considered slightly less constrained in terms of environmental and technical criteria and is the slightly lower cost option Having reviewing consultation feedback, Potential Alignment 3a will be adopted for Section B. This alignment is preferred due to its potential to minimise tree loss in the sensitive river crossing area (a designated SAC) and its fewer environmental and technical constraints. After reviewing consultation feedback, Potential Alignment 4a will be adopted for Section B. This alignment is preferred due to its ability to mitigate constraints related to LEPO woodland and avoid ecologically important wetland habitats. Despite having slightly higher environmental constraints than Alternative Alignment 4d, Alignment 4a is the least constrained overall, shortest in length, and lowest in cost.
Section C Feedback on the alignment location raised concerns regarding impacts on residential areas, Ancient Woodland, protected species, cultural heritage sites, high quality agricultural land, local infrastructure and flooding risks. suggestions included moving the overhead line away from communities and adding cycle paths and tree planting to reduce visual impact.	Having reviewed consultation feedback for this alignment section we have made adjustments to the alignment. These have been shown in the ROC as deviations, we have also had micrositing carried out to address the key issues of concern from feedback. tin addition to this the proposed alignment was relocated up to 300m west to provide greater separation from area providing important habitat for protected species.

Feedback	Response
Section D We have considered the feedback provided on the alternative alignments and reviewed the findings of the environmental, technical and cost appraisals which were presented in the Consultation Document. We have also taken into account relevant feedback from statutory consultees on the constraints for each alternative alignment including those relating to areas of population, archaeological resources, landscape character and natural heritage.	Having reviewed consultation feedback for this alignment section we have adjusted the alignment. These have been shown in the ROC as deviations as well as micrositing carried out. The proposed alignment was relocated up to 80m west for a distance of 3240m near Monboddo and to provide greater separation from a major gas pipeline. We also moved the alignment 160m east of the Potential Alignment for a distance of 1130m near Elf Hill.
Section E Residents in Drumoak and Durris raised concerns about the overhead line's impact on communities, landscape, and proximity to schools, suggesting alternative routes to minimise these effects. Ecological issues included potential impacts on breeding raptors, protected sites like Fowlsheugh SPA, and migratory fish near the River Dee. Cultural heritage concerns were noted by HES and ACAS, highlighting potential impacts on features such as the Nether Auquhollie Standing Stone and Cairn-Mon-Earn cairn.	Having reviewed consultation feedback for this alignment location, we will take forward the Potential Alignment 5a identified in the Consultation Document, as part of the Proposed Alignment in Sections E and F. The existing Kintore to Fetteresso OHL is to be relocated up to 190m west of its current alignment near Wester Durris to provide space for the proposed alignment of the Kintore to Tealing OHL between the existing line and properties to the east. He proposed alignment has also been moved 110m to the west at a different part of the alignment.
Section F Respondents expressed concerns about the overhead line's proximity to communities like Echt, Dunecht, and Drumoak, particularly near schools and woodland areas. They felt the 170m buffer was not being maintained, raising visual impact issues on Aberdeenshire countryside and wildlife. Cultural heritage concerns included potential impacts on sites like King's Well and Barmekin of Echt hillfort. Flooding risks were noted, with tree felling and construction potentially worsening the situation. Ecological impacts on local ecosystems, such as peat bogs and ancient woodlands, were highlighted, with specific sites like Loch of Skene SPA and Old Wood of Drum SSSI mentioned. Technical concerns involved the security of the overhead line near existing gas pipelines. Community benefits included suggestions for improving outdoor learning areas at Drumoak school and nursery.	After reviewing consultation feedback and recent design developments, Alternative Alignment 7c will be adopted for Section F. This decision is based on the determination that Potential Alignment 7a is not less constrained than 7c. Alternative Alignment 7c has fewer technical constraints, particularly regarding flood risk and interaction with a high-pressure gas pipeline. It also offers greater separation from residential properties near Quiddies Mill and Milton of Cullerlie, with similar environmental and cost constraints. After reviewing consultation feedback, Potential Alignment 8a will be adopted for Section F. This alignment is considered the least constrained option overall and provides greater separation of the OHL from a larger number and density of residential properties, particularly at Echt, including a school.

FAQs

Since we first consulted on the project in May 2023, the most common questions received have been regarding project need and technology choices. To fully address these questions and more, our Frequently Asked Questions webpage: **ssen-transmission.co.uk/2030faqs.** This provides further explanation and additional documents addressing these questions. We also address common themes and FAQs in the Report on Consultation published in January. We've also included some information addressing the chosen technology in our *'About the Kintore-Tealing 400kV projects'* section of this booklet and information regarding the project requirement in the *'Pathway to 2030'* pages.

In October, we hosted a webinar to outline the differences behind technology options regarding our Pathway to 2030 projects, titled **'Overground, underground, or subsea - how decisions are made on where electricity transmission lines go'.** The recording of the webinar can be accessed via the project webpage.

More recently, we've received some project specific questions in particular relating to the following topics:

For more information on FAQs, please visit the project website here.

Question	Response
Electromagnetic Fields	We develop, build, and operate our infrastructure to meet all health and safety legislation and guidance set by relevant bodies including the UK Government, Scottish Government, the Health and Safety Executive (HSE) and our regulator, Ofgem, including those associated with electric and magnetic fields (EMF). In respect of EMFs, we strictly follow the guidance as set by the UK Government, which in turn is informed by international guidance. As well as setting exposure limits that protect against known established effects of EMF, the UK Government's guidance also includes precautionary measures to protect against possible effects below the exposure limits that have not been established by science. In addition to this, the UK Health Security Agency and Department of Health have a remit to review new research in this area and ensure that current guidelines and policies are reflective of that research. The UK Government has a process in place to ensure that any emerging research is considered and that Government policies continue to be appropriate. The UK Government's latest policy on EMF is set out in National Policy Statement for Electricity Networks Infrastructure EN-5 (NPS EN-5) which was reissued in November 2023 by the Department for Energy Security and Net Zero, and which came into force on 17 January 2024. This latest policy is reflective of that review process. The current UK Government guidance, informed by relevant international guidance, is therefore still considered appropriate by the UK Government and their public health experts. We will comply with all EMF guidance as set out in the NPS EN-5. There have been over four decades of research looking into whether EMF can cause health effects and there are no established effects below the exposure limits. When we design our OHL, substations, and cables, we do so to ensure they will not exceed those exposure limits, even when operating at 100% capacity. We also ensure that precautionary measures are applied to the design where required. We will provide information on compliance as part of the consenting process, which will be publicly available.

Question	Response
	The guidance we follow, which remains subject to ongoing review as required, ensures that safety measures will be applied to our 400 kV OHL infrastructure, protecting us all against EMF exposure and keeping our network safe for the public. A link is provided below to a leaflet prepared by SSEN Transmission to explain EMF and the separation distances we apply, along with a paper by the Energy Networks Association: • **EMF Leaflet** • **Electric and Magnetic Fields – The facts**
Alternatives and Technology Choice	Many respondents to our consultation questioned the OHL technology choice, particularly why the infrastructure cannot all be installed subsea or underground, instead of OHL and steel lattice towers. Our approach to determining how the transmission network is developed is underpinned by our statutory obligations, as set out in the Electricity Act 1989. This requires us to balance technical, cost and environmental considerations and to select a proposed option which is economically viable, technically feasible, minimises impacts on important resources or features of the environment and reduces disturbance to those living in it, working in it, visiting it or using it for recreational purposes. The option must also be capable of being granted consent by The Scottish Government's Energy Consents Unit (ECU). In its assessment of what is required to meet 2030 targets, NESO concluded there is a need for both onshore and offshore solutions. NESO's and Ofgem's independent assessment of need for the Pathway to 2030 programme was based on the technology choice of an OHL for the Kintore to Tealing connection. **Upgrading Existing Overhead Line** Where possible, SSEN Transmission's preference is to upgrade the existing network to meet current and future energy demands. This is evidenced by the current East Coast 400kV Upgrade project, and the work proposed to the existing Alyth to Tealing and Tealing to Westfield OHL to upgrade these from 275kV to operate at 400kV projects. However, upgrading from 275 kV to 400 kV requires higher statutory clearances to ensure safe operation of the OHL, and typically, larger conductors are required to transfer higher amounts of power. Upgrades to existing OHLs are not always possible if we cannot achieve those statutory clearances, or if larger conductors result in loads exceeding that of the existing tower structure's capabilities. Where a transmission line already exists, it does not necessarily mean that it would be appropriate to build a new one next to it, as there are many considerations as to why this may not be possible. Sometimes, there is no space for new infrastructure due to existing constraints, including proximity to homes. However, in some areas, it is possible to place new OHL near the existing ones. These aspects are considered in the design development phases of our projects. **Subsea Cables** OHLs can carry roughly three times more power than subsea cables, making them more efficient and cost effective for energy bill payers. Technical challenges and constraints limit the use of subsea cables as a single solution. Moreover, onshore reinforcements help support local electricity needs and improve the network's reliability across northern Scotland.

Question	Response
	Underground Cabling Underground cabling is highly sensitive to ground conditions and terrain. There can be significant and lasting environmental impacts and future land use constraints associated with underground cabling; together with the technical challenges of operating, maintaining and in the event of a fault, restoring power. The environmental, technical, and operational constraints associated with underground cabling at 400 kV make this option extremely challenging to deliver in many areas of Scotland. Some of the challenges that contribute to this position include: • **Technical Limitations:** Underground cables need specific ground conditions and present challenges for maintenance and power restoration, especially if faults occur. • **Environmental Impact:** Underground cabling can have lasting environmental effects, such as impacts on habitats and hydrology, and the area required for laying cables needs to be kept clear from significant construction or vegetation for easy access during construction and repairs. • **Terrain Concerns:** The region's terrain often has slopes and finding a suitable route for underground cables without challenges is extremely difficult. • **Infrastructure Needs:** For underground cables longer than 1-2 km, additional substation infrastructure would be needed, enlarging the project's footprint. • **Operational Needs:** Restoring power in the event of a cable fault can take significantly longer than for an OHL. Faults on OHL can typically take a few hours to a few days to repair and are generally easy to locate. Underground cable faults often require extensive works, specialist resources, tools and equipment to locate the fault, followed by significant civil engineering works to expose the damage and replace the damaged section, after which it can take up to a month to carry out the repairs. This presents significant risks to security of supply and network reliability. It also impacts our ability to meet our licence obligations of maintaining an efficient transmission network. • **Cost:** Underground cables at 400 kV are estimated to be between 5 and 10 times more expensive than OHLs, and since these costs are reflected in consumer bills, it is a factor that needs to be considered. Even if technically feasible, underground cables over a significant length, or the entirety, of a project would be unreasonable as it would be contrary to our licence obligations to be economical and efficient in respect of additional costs to the end consumer, while presenting an additional risk to the electricity transmission network in the event of cable failure and consequent outages. Given these constraints and our responsibility for an economical and efficient transmission network, OHLs are our main choice for the Kintore to Tealing connection. Where there is a clear evidence base to justify underground cables, this will be carefully considered. In October 2024, we hosted a webinar entitled 'Underground, overground or subsea? How decisions are made on where electricity lines go'. This webinar provided detailed information regarding the decision making process for technology choices, a recording of this webinar is available via this link: **Overground, underground, or subsea - how decisions are made on where electricity transmission lines go**

Question	Response
	Links are provided below to papers which have been prepared to explain why we need both onshore and offshore solutions and the difficulties with developing underground 400kV transmission: • **Why the Pathway to 2030 projects require both onshore and offshore solutions** • **The challenges with undergrounding at 400kV** UK Government's policy and clear presumption for OHL was reaffirmed as part of the UK Government's Clean Power 2030 Action Plan published in December 2024.
Cumulative Impact	The Environmental Impact Assessment will consider the cumulative impacts of the Proposed Development along with the proposed Hurlie and Emmock substations and the OHL upgrades and Emmock tie-ins and will also consider the potential for cumulative impacts arising in combination with other planned electricity transmission connections, and other planned developments where impacts are predicted. The findings of the cumulative assessment will be set out in the Environmental Impact Assessment Report.
Property Impacts	SSEN Transmission will seek to mitigate impacts on land and properties as far as possible and these impacts will be assessed as part of the EIAR that will accompany our Section 37 application. Extensive surveys will be carried out at identified receptors, including selected residential properties, so that we are able to model potential impacts on the wider area. If mitigation is not possible, assessment of compensation for the impacts on property will be managed through the applicable legal frameworks. Concerns in relation to impacts on property are being noted by our team however, as a regulated business, SSEN Transmission is obliged to follow a statutory legal framework under the Electricity Act 1989 and Land Compensation Act 1963. If you are entitled to compensation we will assess any claim on a case-by-case basis under the direction of this legal framework. If you are entitled to compensation, we will recommend that you engage a professional adviser and SSEN Transmission will generally meet reasonably incurred professional fees in these circumstances. However, for the avoidance of doubt, we should advise that SSEN Transmission will not meet fees incurred in objecting to our proposed developments.
Environmental Impacts	As one of the greatest risks to our natural environment and biodiversity is climate change, the Proposed Development is part of the solution to tackle the climate emergency and deliver net zero emissions in Scotland and across the United Kingdom. However, we do recognise that in delivering the Proposed Development there will be unavoidable impacts, and we would like to reassure stakeholders that we take our environmental responsibilities extremely seriously. To deliver our projects in the most sensitive way possible we ensure environmental factors are considered at every stage in the development of each project, along with technical requirements and economic considerations. We follow the mitigation hierarchy by firstly seeking to avoid sensitive areas wherever possible and secondly, where impacts are likely to occur, we seek to minimise these, provide mitigation and identify opportunities to restore. Our environmental teams are embedded in the project development process to consider and consult upon the most suitable OHL route from the very start, using well established data sets and additional detailed survey work. To aid our selection process we have developed an iterative constraints analysis and mapping programme to consider all known environmental constraints and derive routeing and alignment options with the least practicable environmental impact.

Question	Response
	We undertake large-scale environmental survey work each year. Working in close collaboration with statutory and non-statutory environmental consultees, we aim to work in partnership to find acceptable OHL routes and alignments. We work towards mitigation outcomes which deliver positive environmental solutions, targeting delivery of a net gain in biodiversity in the longer term on all new sites. In addition, all of our consent applications will be accompanied by detailed environmental assessments which are prepared by external specialists. These assessments will consider impacts on a wide range of environmental topics and identify measures that may be required to mitigate any impacts. Potential impacts during construction and operation will be assessed in detail as part of an Environmental Impact Assessment (EIA), the results of which will be set out in an Environmental Impact Assessment Report (EIAR). The legislation governing the consenting of OHL projects in Scotland is the Electricity Act 1989. Applications for consent to construct and operate new OHLs are made under Section 37 of this Act and are submitted to The Scottish Government ECU for determination by Scottish Ministers. An EIA is required to be undertaken for the Proposed Development under the Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 and an EIAR will accompany the Section 37 application. Construction impacts on the environment will be managed through the application of a Construction Environmental Management Plan (CEMP), which will be prepared and implemented by the Principal Contractor once consent has been granted for the Proposed Development. The CEMP will detail how the Principal Contractor will manage construction in accordance with commitments and mitigation detailed in the EIAR, statutory consents and authorisations, and industry best practice and guidance. Implementation of the CEMP will be managed on-site by a suitably qualified and experienced Environmental Clerk of Works (EnvCoW), with support from other environmental professionals as required. We also acknowledge that minimising impacts is not enough on its own, and we have therefore committed to delivering Biodiversity Net Gain (BNG) on all our projects; as well as compensatory planting for any trees felled during the construction phase, where possible with native species. Where our projects are unable to completely avoid irreplaceable habitats (for example peatland or ancient woodland), we have also introduced a commitment to restore more habitat than we affect. Our developments also aim to actively enable opportunities to significantly enhance existing ecosystems at our sites, leaving a positive and lasting legacy throughout the lifetime of our operational assets for the benefit of our environment and our host communities. You can find out more about how we are delivering a positive environmental legacy within the documents linked below: • **Sustainability Strategy – Pathway to 2030** • **Delivering a Positive Environmental Legacy Booklet** • **Biodiversity Net Gain**

Kintore to Tealing 400kV Overhead Line

Notes

3D visualisations

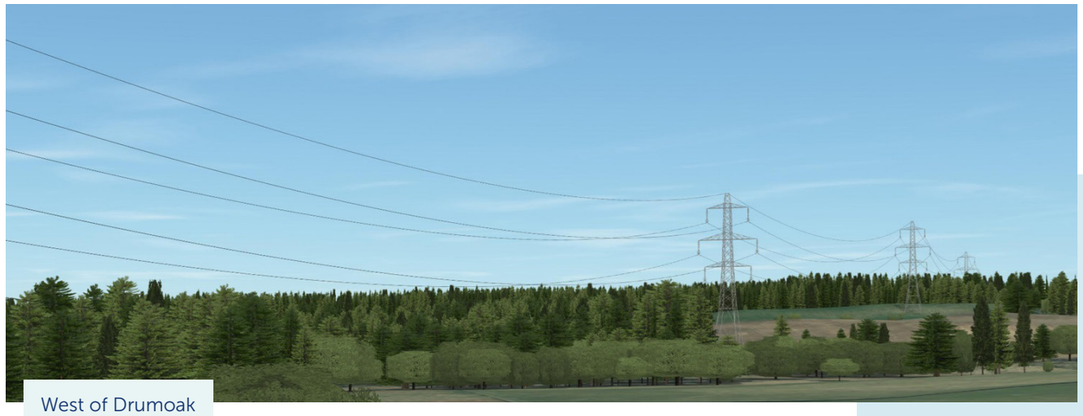
We understand that stakeholders need to be able to visualise what the development may look like in their local area. We have commissioned 3D visualisations which model the proposed overhead line into the local landscape to help understand the proposals in terms of the visual impact, distance, and height.

The following are some images taken from the 3D model created for the Kintore to Tealing 400kV OHL project from a range of different vantage points.

To get a better sense of the proposals in full, a visualisation portal including a flythrough video is also available to view from the project webpage and our consultants, 3D Webtech, will be assisting us at our events with copies of the model that attendees can interact with during the events.

To find the 3D flythrough video, scan the QR code or visit the following URL:

ssen-transmission.co.uk/TKUP



West of Drumoak

Photomontages

Photomontage visualisations will also be produced as part of the Environmental Impact Assessment (EIA). Once the EIA is completed and submitted as part of our Section 37 planning application, we will ensure these photomontages are available to view.

Knowehead near Tannadice

Careston

Kintore to Tealing 400kV Overhead Line

Project timeline

2022
- Project need and scope confirmed
- OHL Corridor and route options appraisal started

2023
- Consultation on corridor and routes
- Environmental and engineering surveys

2024
- Environmental Impact Assessment scoping
- Environmental and engineering surveys continue

2024 (continued)
- Additional routeing consultation and consultation on alignment
- Environmental Impact Assessment

2025
- Environmental Impact Assessment report preparation
- Pre-application consultation
- Section 37 application submitted

2026
- Receive consents decision
- Agree discharge of consent conditions if successful consent received
- Proposed construction start

2027–2029
- Phased construction: ongoing

2030
- Construction complete and energisation Kintore to Tealing 400kV OHL

Next steps

We value community and stakeholder feedback. Our final alignment proposals are the result of extensive engagement with a wide range of different stakeholders and we believe the Proposed Alignment strikes a balance between the various different considerations that we must take into account.

As part of the Section 37 application process, we are expected to hold at least two pre-application consultation events prior to submitting the application. This is the second and final event providing the opportunity for members of the public to respond to the Proposed Alignment and consider our responses to the feedback we have received from our previous consultation events.

Earlier additional public consultation was also undertaken at the corridor, route and route refinement stages.

Submitting your final comments to us:

We intend to submit our application for consent in Spring 2025. Prior to this, you can submit your final formal comments to us before our feedback period closes on **Friday 28 March.** We welcome final comments from members of the public, statutory consultees and other key stakeholders regarding our proposals until such time as we submit our consent application.

Once an application for consent has been submitted, there will be an opportunity for the public to make formal representations directly to the Scottish Government's Energy Consents Unit before it takes a decision.

What we are seeking views on

During our last public consultation event in September/October 2024, we wanted to know your thoughts on our potential and alternative alignments.

Now that we have selected our Proposed Alignment, we are asking for any final comments or feedback ahead of submitting our Section 37 consent application for the Kintore to Tealing 400kV OHL project. It would be helpful to share any opportunities to deliver a local community benefit or biodiversity projects you would like us to consider.

Additional information:

The best way to keep up to date is to sign up to project updates via the project webpage:

ssen-transmission.co.uk/TKUP

How to provide feedback

Submit your feedback online by scanning the QR code on this page or via the form on our project webpage at: **ssen-transmission.co.uk/TKUP**

Email the feedback form to the Community Liaison Manager, or write to us enclosing the feedback format the back of this booklet.

Our Community Liaison team

Each project has a dedicated Community Liaison Manager who works closely with community members to make sure they are well informed of our proposals and that their views, concerns, questions, or suggestions are put to our project teams.

Throughout the life of our projects, you will hear from us regularly. We aim to establish strong working relationships by being accessible to key local stakeholders such as community councils, residents' associations, and development trusts, and regularly engage with interested individuals.

Community Liaison Manager

The best way to contact us regarding this project is through our Community Liaison Team.

Rob Whytock

SSEN Transmission,
200 Dunkeld Road, Perth, PH1 3GH

TKUP@sse.com

You can also follow us on social media:

@ssentransmission

@SSETransmission

Your feedback

Thank you for taking the time to read this booklet. In order to record your views and improve the effectiveness of our consultation, please complete this short feedback form.

Please complete in BLOCK CAPITALS. (Please tick one box per question only)

Q1. Which event did you attend? (Select all that apply)

- ☐ Kintore
- ☐ Echt
- ☐ Drumoak
- ☐ Durris
- ☐ Drumlithie
- ☐ Edzell
- ☐ Laurencekirk
- ☐ Menmuir
- ☐ Memus
- ☐ Forfar
- ☐ Tealing
- ☐ Accessed information online
- ☐ None

Q2. Is there a specific section of the overhead line alignment that you are interested in? (Please detail name of section(s) or closest settlement)

- ☐ Section A
- ☐ Section B
- ☐ Section C
- ☐ Section D
- ☐ Section E
- ☐ Section F
- ☐ Emmock to Tealing Section 37 Tie-ins

Closest settlement:

Q3. Do you have any final comments regarding the alignment being proposed or concerns relating to the construction phase of the project?

Comments:

Q4. If consent is granted, we will continue to provide updates as the project develops and at key milestones. We continuously seek to identify the best methods of communication based on community needs. Please tell us how you would prefer to receive project updates so that we can consider this for future improvements (Select all that apply)**.**

- ☐ Newsletter
- ☐ Email to a mailing list
- ☐ Text message
- ☐ Letter
- ☐ Public meetings
- ☐ Website updates
- ☐ Other (please state)

Q5. **Our Community Benefit Fund will provide an opportunity for local groups and organisations to apply for community funding. Do you have any suggestions for local community benefits or local initiatives, such as volunteering, that we could support to leave a positive legacy in your area?**

Comments:

Q6. **We are committed to achieving biodiversity net gain as part of our proposals. Do you have any suggestions for nature projects that we could consider to leave a positive nature legacy in your area?**

Comments:

Full name: ..... **Email:** .....

Telephone: ..... **Address:** .....

We would like to send you relevant communications via email such as invitations to stakeholder events, surveys, updates on projects, services and future developments from the Scottish and Southern Electricity Networks group listed below. If you are happy to receive email updates please opt in by ticking the box below. You can unsubscribe at any time by contacting us at stakeholder.admin@sse.com or by clicking on the unsubscribe link that will be at the end of each of our emails.

☐ **If you would like to be kept informed of progress on the project, please tick this box**

Thank you for taking the time to complete this feedback form.
Please submit your completed form by one of the methods below:

Post: FAO Rob Whytock -SSEN Transmission, 200 Dunkeld Road, Perth, PH1 3GH

Email: TKUP@sse.com **Online:** ssen-transmission.co.uk/TKUP

For information on how we collect and process your data please see our privacy notice available at today's event. This can also be obtained online at: ssen-transmission.co.uk/privacy

Comments forms and all the information from today's event will also be available to download from the project website.

We intend to use Artificial Intelligence (AI) to assist our experienced teams in the analysis of your feedback, so we can categorise key points raised more quickly. You can learn more about how we're utilising AI at: ssen-transmission.co.uk/AIFAQ

Any information given on the feedback form can be used and published anonymously as part of Scottish and Southern Electricity Networks consultation report. By completing this feedback form you consent to Scottish and Southern Electricity Networks using feedback for this purpose.

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having its Registered Office at Number One Forbury Place, 43 Forbury Road, Reading, Berkshire, RG1 3JH which are members of the SSE Group.

APPENDIX F – PAC 2 CONSULTATION BANNERS AND MAPS

Scottish & Southern Electricity Networks
TRANSMISSION

Purpose of today's event

Welcome to this public feedback event for the Kintore to Tealing 400kV OHL Project. This event is the last public event for the project before a Section 37 application is submitted to the Energy Consents Unit.

We are hosting this event to present the Proposed Alignment for the project and our responses to feedback received at the last round of consultation events.

Consultation on our proposals has taken place at the corridor/routeing, refined routeing, and alignment stages, with the feedback received informing refinement as the project developed.

Providing feedback

At this final stage of development, we are not seeking comment or feedback on further refinement to the proposed alignment but welcome comments on how we engage with you during the next phase of the project.

All the materials presented today are available in hard copies and large print by request. Please speak to a member of the team who will arrange this for you.

You can submit feedback online via the feedback form on the project web page, by completing the feedback form at the back of the booklet or using the paper copies available at the sign in desk. Freepost envelopes are also available.

Our team will also capture verbal feedback from the events and log this with all other feedback.

The feedback period closes on
28 March 2025

If you have any questions relating to any aspects of the project, please speak with a member of the team who will assist you.

Community Liaison Manager

Rob Whytock

SSEN Transmission,
200 Dunkeld Road, Perth, PH1 3GH

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

The Pathway to 2030

Building the energy system of the future will require a significant acceleration of work over the next few years. In partnership with the UK and Scottish governments, we're committed to meeting our obligation of connecting new, renewable energy to where it's needed by 2030.

Achieving Net Zero

By 2030, both the UK and Scottish governments are targeting an expansion in offshore wind generation of 50GW and 11GW respectively. The Scottish Government has also set ambitious targets for an additional 12GW of onshore wind by 2030.

Across Great Britain, including the north of Scotland, there needs to be a significant increase in the capacity of the onshore electricity transmission infrastructure to deliver these 2030 targets and a pathway to net zero.

Securing our energy future

And it's not just about net zero. It's also about building a homegrown energy system, so that geopolitical turmoil around the world doesn't severely impact the UK and push up energy prices.

The UK Government's British Energy Security Strategy further underlines the need for this infrastructure, setting out plans to accelerate homegrown power for greater energy independence. The strategy aims to reduce the UK's dependence on and price exposure to global gas wholesale markets through the deployment of homegrown low carbon electricity generation supported by robust electricity network infrastructure.

Meeting our 2030 targets

In July 2022, the National Energy System Operator (NESO) published the Pathway to 2030 Holistic Network Design (HND). This set out the blueprint for the onshore and offshore transmission infrastructure that's required to support the forecasted growth in the UK's renewable electricity.

It's an ambitious plan that will help the UK achieve net zero.

What does this mean for the East of Scotland?

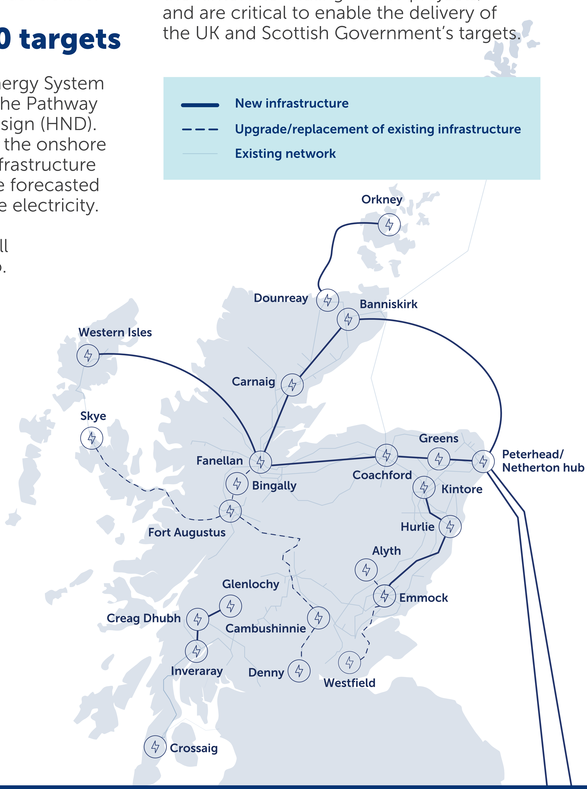
The East of Scotland will play a key role in meeting these goals. The extensive studies that informed the NESO's Pathway to 2030 HND confirmed the requirement to increase the power transfer capacity of the onshore corridor from Kintore to Tealing.

This requires a 400kV connection between these sites to enable the significant capability needed to take power from onshore and large scale offshore renewable generation, connecting on the East Coast of Scotland before transporting power to areas of demand.

As part of these plans, we are proposing to build a new 400kV overhead line (OHL) between Kintore and Tealing. This also requires two new 400kV substations to be constructed in Fetteresso Forest (Hurlie) and Tealing (Emmock) which the new OHL will connect into and enable future connections and export routes to areas of demand.

In addition, two of the existing 275kV OHLs out of the existing Tealing substation to Alyth and Westfield require upgrades to 400kV operation and to be connected to the proposed new Emmock 400kV site.

These five projects, collectively are called the Kintore to Tealing 400kV projects, and are critical to enable the delivery of the UK and Scottish Government's targets.



TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

Emmock and Tealing Section 37 tie-ins

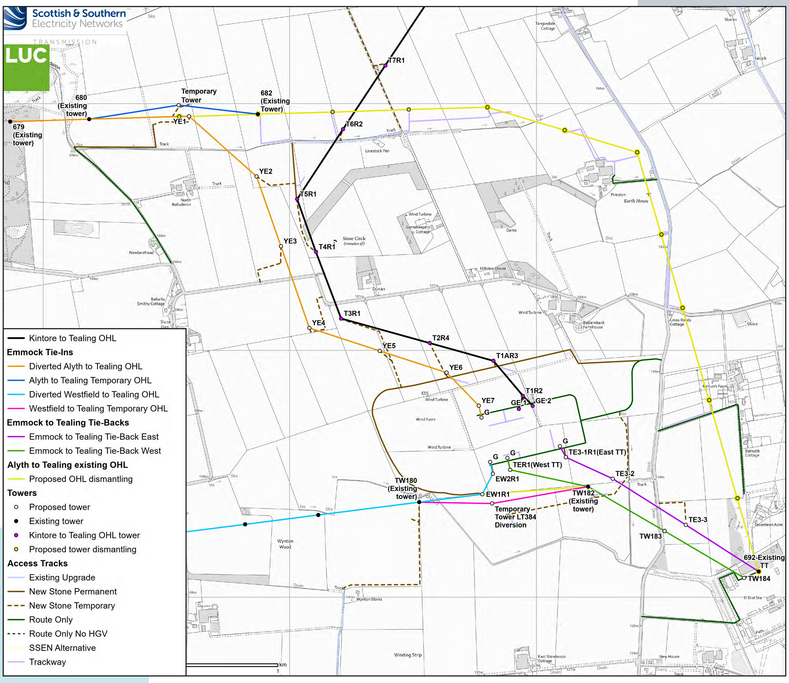
The Emmock and Tealing tie-ins comprise the diversion of short sections of the Alyth to Tealing (A-T OHL) and Tealing to Westfield (T-W OHL) 275kV OHLs, which currently connect at their eastern extent with the existing Tealing 275kV substation, to connect with the proposed Emmock 400kV substation.

Consent for this work will be applied for via a standalone Section 37 application under the Electricity Act 1989 to Scottish Ministers. Consent is also sought under the same application for the installation of two short sections of parallel 275kV OHL 'tiebacks' between Emmock substation and Tealing substation.

The project is essential to the completion of the Kintore to Tealing projects, as it would provide the tie-ins for the reconductored A-T OHL and T-W OHL to the proposed Emmock substation as part of the upgraded 400kV transmission infrastructure. This would allow power to keep flowing whilst the wider upgrade works are undertaken.

The key issues arising from this project are likely to be landscape and visual and cumulative impacts arising from the other proposed electrical infrastructure in the area.

An Environmental Impact Assessment (EIA) Screening Request was submitted in August 2024 and response received in November 2024 confirming an EIA would be required to be undertaken as part of the Section 37 submission. This is expected to be submitted in summer 2025. It is anticipated a decision will be made later this year and we expect to commence construction in relation to these elements in 2026.



TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

Why we are here today

We are at the alignment stage of the development of our Kintore to Tealing 400kV Overhead Line project and have identified the Proposed Alignment we are taking forward to further develop and submit as part of an application for consent. The Proposed Alignment has been refined from the various options that we have investigated during the development of the project.

We are implementing the Scottish Government's Best Practice Guidance which can be found **here** for pre-application consultation with stakeholders who may be affected by our development proposals. The pre-application consultation comprises two consultation events that should be held in advance of applying for Section 37 consent.

Our first event was held in September 2024, where we presented the Potential (preferred) and Alternative Alignment options. Following that event we considered stakeholder feedback, completed further survey and review of our appraisals, and identified the Proposed Alignment, which is the alignment we intend to take forward to a Section 37 application.

This second event presents further detail on the Proposed Alignment and provides feedback to stakeholders in respect of comments they have provided on the proposals. The feedback is also provided in the Alignment Selection Report on Consultation.

Prior to the pre-application consultations, we have held consultations (during 2023 and 2024) on the corridor and routeing stages of our project development. These consultations were in addition to the pre-application consultation events and the feedback received has been fundamental in shaping the design of the Proposed Alignment that we are now presenting.

We will provide updated 3D visualisations and maps to show what the proposed overhead line will look like and where it will be located. These are available to view and download from our project website: **ssen-transmission.co.uk/TKUP**

We want to know if you have any further comments in relation to how we have responded to feedback and how you would like us to best engage with you in the future, prior to the submission of our Section 37 application.

It should be noted that our alignment proposals presented at this event are the result of extensive engagement and project design, as such, there is limited scope to make significant changes to the proposals at this stage.

Working with you

The work we have planned is significant and has the potential to deliver wide ranging benefits in your community, Scotland, and beyond. We know that delivering our projects will require a lot of work that has the potential to impact on you. That's why we want to work with you at every step of the way throughout the planning and delivery stages of these essential works. We are committed to ensuring a meaningful engagement process that actively seeks the views of everyone affected by our plans. That means making our plans clear and easily accessible, so that you can give us input throughout each stage of the development process. We appreciate all feedback received to date which has been analysed by the project team. Feedback has been actioned where constraints allow.

A more detailed appraisal of feedback regarding our alignment, can be accessed via our Alignment Selection Report on Consultation, published January 2025.

Scan the QR code to access our Report on Consultation (ROC)

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

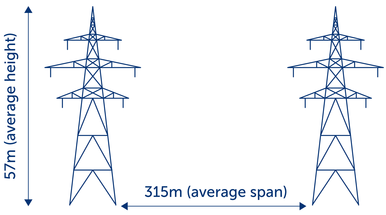
About the overhead line

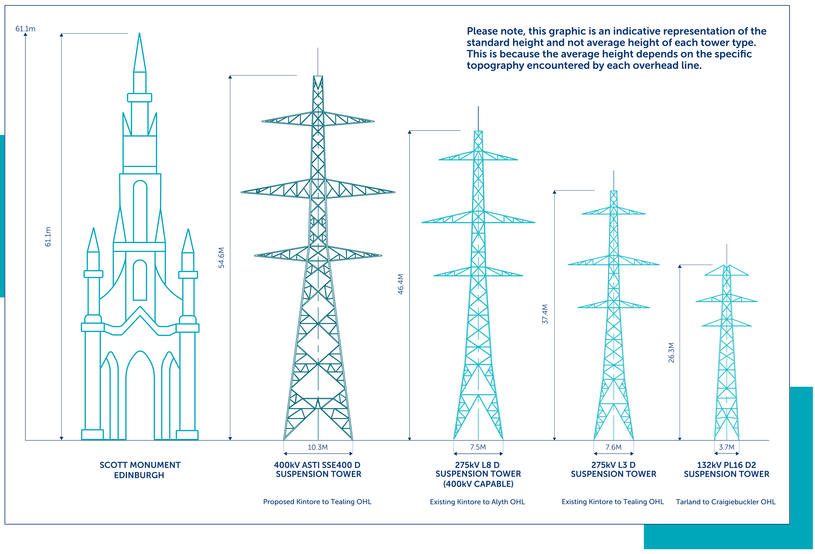
400kV double circuit overhead line

The required technology for the new Kintore – Tealing 400kV OHL connection has been determined to be a new double circuit 400kV HVAC (High Voltage Alternating Current) overhead line.

The overhead line would consist of steel lattice towers with an average height of approximately 57m which would support six conductor bundles on six cross arms and an earth wire between the peaks for lightning protection. The average distance between towers is expected to be 350m. Tower height and the distance between them will vary dependent on several factors such as altitude, climatic conditions and topography.

On the proposed Kintore - Tealing 400kV OHL, 55% of the towers are below 57m. Towers range from 49.5m in height to 69.6m in height. One tower, situated within Hurlie substation, is 72m to overcome the change in elevation.





TKUP@sse.com

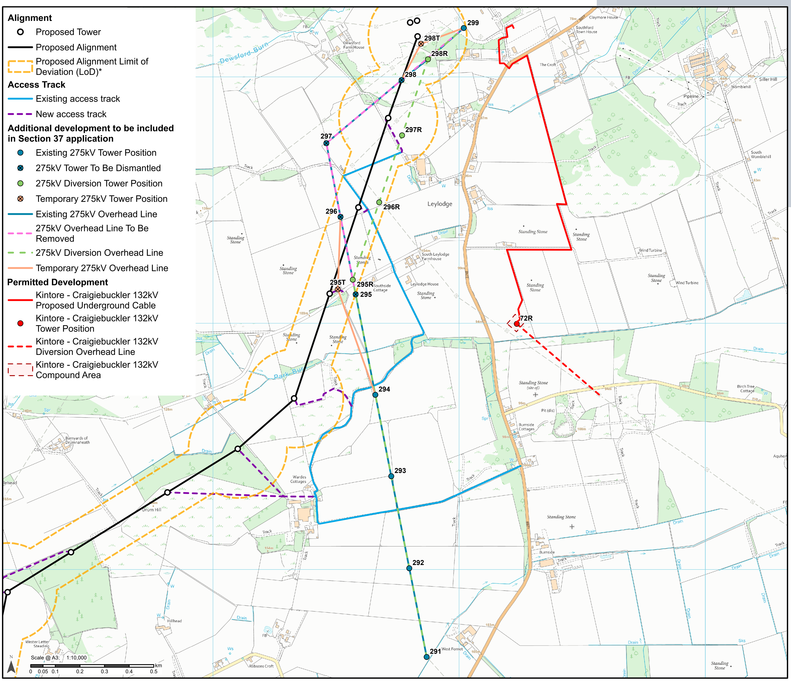
ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks

TRANSMISSION

About the overhead line

Works required around Kintore substation



Ancillary development

Additional works that will also be required as part of the construction of the new overhead line include the following:

- Upgrade of existing and creation of new access tracks, described in more detail on page 22;
- Vegetation clearance and management;
- Temporary working areas around the proposed tower locations to facilitate construction;
- At some tower locations, the formation of temporary flat areas from which the conductors (wires) will be pulled through during construction. These areas will contain earthed metal working surfaces referred to as Equipotential Zones (EPZs);
- Other temporary measures required during construction, such as measures to protect road, railway and water crossings during construction (e.g. scaffolding);
- Temporary construction compounds will also be required at locations along the overhead line route; The final location and design of temporary site compounds will be confirmed by our Contractor and separate planning consents will be sought as required.

Scottish & Southern Electricity Networks
TRANSMISSION

About the overhead line

The challenges with undergrounding at 400kV

The environmental, technical, and operational constraints associated with undergrounding at 400kV make it extremely challenging to deliver in many areas of Scotland. For underground cables at this capacity, longer than 1-2km, additional substation infrastructure would also be needed, enlarging the project's footprint.

Underground cables at 400kV are estimated to be between 5 and 10 times more expensive than overhead lines, and since these costs are reflected in consumer bills, it is a factor that needs to be considered. To deliver the necessary capacity, up to 30 parallel cables will be required. To achieve the required spacing, a trench of over 40m wide would need to be excavated, typically between 1m and 7m deep. During construction, a working corridor of over 70m wide is required for cable installation. This can result in significant land use constraints, typically more so than overhead line construction activities, particularly for farming operations.

Trench of **OVER 40M WIDE AND 1–7M DEEP** would need to be excavated

UP TO **30** Parallel cables required

BETWEEN 5–10x More expensive than overhead lines

OVER 70M WIDE working corridor, which can result in **significant land use constraints**

Why the development cannot be placed offshore

In its assessment of what is required to meet 2030 targets, the National Energy System Operator (NESO) concluded there is a need for both onshore and offshore projects. Overhead lines can carry roughly three times more power than subsea cables, making them more efficient and cost effective for energy bill payers, whilst technical challenges and constraints limit the use of only offshore solutions.

Moreover, onshore energy infrastructure helps support local electricity needs and improves the network's reliability across northern Scotland. Visit our Frequently Asked Questions page to find out more about our engineering and technology considerations including more details regarding underground and offshore cables: **ssen-transmission.co.uk/2030-faqs**

Managing construction impacts

We are committed to minimising the impact of construction through avoiding potential issues by designing them out, undertaking thorough environmental assessments and working closely with the local community. Our focus includes mitigating effects, for example to people, biodiversity, water, soil, and traffic disturbances. A Construction Environment Management Plan will be set up, to ensure mitigation is put in place and its effectiveness is monitored throughout the construction phase.

During construction, expected short-term impacts may include noise and traffic disruptions. Before starting, we will have a plan to manage these, including organising deliveries and travel to avoid busy times and sensitive areas. We will work closely with community groups and contractors to ensure adherence to mitigation measures. Typically, most project components will take around four years to complete, however these works will be phased across the length of the overhead line with bursts of activity and quiet periods.

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

Our access strategy

Constructing and maintaining our overhead line

We are currently developing our access strategy, which considers access requirements for construction and maintenance of the overhead line. Access requirements have also informed the Proposed Alignment selection process, as a key engineering consideration. We are now determining the proposed access routes for each tower location to establish which existing access tracks can be used and which existing access tracks need to be upgraded alongside locations for the installation of new temporary or permanent access tracks. Maps showing our current plans for access are available and further information on our access strategy will be provided in the EIA as part of the application for Section 37 consent. A detailed traffic and transport assessment will also form part of the EIA, which assesses potential impacts of construction traffic and the capacity of local roads to accommodate this traffic. A Construction Traffic Management Plan (CTMP) will be agreed with the local authorities prior to works commencing.

We have commissioned an experienced OHL contractor, enabling construction access considerations to be at the forefront of this stage in the design process.

The table below explains the different types of tracks that are typically considered and what they are required for.

Type of access	What does it mean?
Existing tracks and bellmouths	In general, proposed construction site access would be taken via the existing public road network and would make use of existing forest and estate or farm tracks as far as practicable, upgraded as required. Existing bellmouths would be utilised where possible, subject to improvements. New bellmouths will be constructed, where required, to ensure safe entry and exit from an access track and the public road.
Stone tracks	Typically, new temporary stone tracks are likely to be required to access each tower location. Stone tracks are designed for the heavy plant loads required for construction works for towers, and to suit the varied ground conditions along the route. On completion of construction, unless required for operational access, the stone tracks would be removed and the original material reinstated. Where access to tower positions is difficult due to steep terrain, or the presence of peat, alternative methods would be proposed such as floating access tracks, using smaller items of plant, specialist tracked plant, and in some cases using helicopters for moving materials.
Public road improvements	Public road improvements (PRI) will be required in some locations to facilitate construction traffic travelling along existing public roads. These works could include upgrades such as road widening, installation of temporary or permanent passing places, new or upgraded road junctions, and upgrades to or replacement of existing bridges. Further information on PRI works will be provided in the EIA as part of the application for Section 37 consent.
Access tracks	Where operational access is required, this would likely range from All Terrain Vehicle (ATV) routes with no formal track, to stone road suitable for 4x4 and wagon access. The selection of the type of track required (whether it be temporary or permanent, existing upgraded tracks or new tracks) will consider the proximity to a public road, environmental impacts, structure type, required vehicle use, and potential maintenance activities, including vehicles required in future to a given location (taking health and safety requirements into account). General access track details will be included in the Environmental Impact Assessment (EIA) stage of the project and presented to illustrate where each access type will be deployed, and the rationale for that selection.
Temporary trackways	Temporary trackways are an alternative method of providing access, dependent on ground conditions. Although there may be localised areas where trackways may be suitable, it is not considered an appropriate solution for the construction of steel lattice towers on this project in its entirety, due to the length of time they are required to be in place and the weight and size of construction plant that would be required to track over them. Stone tracks generally afford greater reliability and stability compared to trackway solutions. Similarly, the extensive use of wide tracked excavators and other plant without prior ground preparation are unlikely to be a viable solution for this project in its entirety, although they may be used for certain tasks during construction.

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

Addressing feedback

Consulting on the alignment

In September 2024, we launched our Alignment Consultation, seeking comment on the Potential Alignment and Alternative Alignment options identified for the new proposed Kintore to Tealing 400kV overhead line.

We sought comments from statutory authorities, key stakeholders, elected representatives, the public and landowners on the alignment selection process undertaken and the Potential Alignment and alternative alignments.

Comments received then informed further consideration of the Potential Alignment with a view to confirming a **Proposed Alignment** to be taken forward to consent application.

Feedback

When we consulted in September 2024, we held events in **12 locations** along the length of the alignment between 23 September and 10 October. A total of **1,444** attendees were recorded.

During the 10 week feedback period, which closed on 21 November 2024, **872** written responses were received. This feedback was then analysed and reviewed by the project team to determine where changes could be considered.

Overall, feedback indicated support for the Government's Net Zero policy and energy security aims. In addition, respondents generally noted and understood the rationale behind our Pathway to 2030 programme as a way to help deliver on the Government's targets and aims. However, based on those that responded, feedback from the community was generally not supportive of the approach to delivering the Pathway to 2030 programme, or of the required 400kV OHL connection between Kintore and Tealing across the Potential Alignment in each of the Sections A – F and/or the eight Alternative Alignments. The feedback, on balance, did not significantly indicate that the alternative alignments presented were more favourable to the Potential Alignment (however, as indicated above, there was little support for the project to be taken forward as an OHL in general).

Following our consideration of the consultation feedback, further survey and review of our appraisals, no changes were made to the Potential Alignment, with the exception of Location 7 Schoolhill. At this location we have changed the Potential Alignment and will now take forward Alternative Alignment 7c.

As well as the change at Location 7, minor amendments to tower positions were implemented to the Potential Alignment based on consultation feedback. These changes are reflected in the Proposed Alignment and explained in the Alignment Selection Report on Consultation.

The Proposed Alignment to take forward to our Section 37 consent application can be viewed on the banner titled *'Proposed Alignment overview'* and is available online **here.** Or scan the QR code below.

We have included a summary of key feedback about our alignment received from communities, landowners and statutory stakeholders, alongside our response to this feedback on pages 25 and 26 in the consultation booklet.

Our Report on Consultation (ROC)

A detailed appraisal of feedback received in response to our alignment as presented during the September-October 2024 consultation can be accessed via our Alignment Selection Report on Consultation, published January 2025. Scan the QR code to access our Report on Consultation.

Scan the QR code to access our Report on Consultation (ROC)

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

Addressing feedback

Feedback	Response
Section A There were various responses from stakeholders including landowners, members of the community and consultees. We have considered the feedback provided on the alternative alignments and reviewed the findings of the environmental, technical and cost appraisals which were presented in the Consultation Document. We have also taken into account relevant feedback from statutory consultees on the constraints for each alternative alignment including those relating to areas of population, archaeological resources, landscape character and natural heritage. For further detail please see the Report on Consultation.	Having reviewed consultation feedback for Location 1, we will take forward the Potential Alignment 1a identified in the Consultation Document as part of the Proposed Alignment in Section A. The design of the Potential Alignment near Upper Hayston has been adjusted to screen a proposed tower with existing trees, minimising its visibility from residential properties at Jericho. The proximity to properties for the alternatives has been reviewed, and the findings from the Consultation Document remain applicable.
Section B Feedback on alternative alignments has been considered, and the findings from the environmental, technical, and cost appraisals in the Consultation Document have been reviewed. The proximity to properties for the alternatives has also been assessed, and the appraisal findings remain applicable. We have also taken into account relevant feedback from statutory consultees on the constraints for each alternative alignment including those relating to areas of population, cultural heritage designations, landscape character, visual amenity and natural heritage.	After reviewing consultation feedback, including statutory consultee views, Potential Alignment 2a will be adopted for Section B. This alignment is preferred due to its potential to minimise tree loss in the Woodside LNCS woodland. It is considered slightly less constrained in terms of environmental and technical criteria and is the slightly lower cost option. Having reviewing consultation feedback, Potential Alignment 3a will be adopted for Section B. This alignment is preferred due to its potential to minimise tree loss in the sensitive river crossing area (a designated SAC) and its fewer environmental and technical constraints. After reviewing consultation feedback, Potential Alignment 4a will be adopted for Section B. This alignment is preferred due to its ability to mitigate constraints related to LEPO woodland and avoid ecologically important wetland habitats. Despite having slightly higher environmental constraints than Alternative Alignment 4d, Alignment 4a is the least constrained overall, shortest in length, and lowest in cost.
Section C Feedback on the alignment location raised concerns regarding impacts on residential areas, Ancient Woodland, protected species, cultural heritage sites, high quality agricultural land, local infrastructure and flooding risks. suggestions included moving the overhead line away from communities and adding cycle paths and tree planting to reduce visual impact.	Having reviewed consultation feedback for this alignment section we have made adjustments to the alignment. These have been shown in the ROC as deviations, we have also had micrositing carried out to address the key issues of concern from feedback. In addition to this the proposed alignment was relocated up to 300m west to provide greater separation from area providing important habitat for protected species.

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

Addressing feedback

Feedback	Response
Section D We have considered the feedback provided on the alternative alignments and reviewed the findings of the environmental, technical and cost appraisals which were presented in the Consultation Document. We have also taken into account relevant feedback from statutory consultees on the constraints for each alternative alignment including those relating to areas of population, archaeological resources, landscape character and natural heritage.	Having reviewed consultation feedback for this alignment section we have adjusted the alignment. These have been shown in the ROC as deviations as well as micrositing carried out. The proposed alignment was relocated up to 80m west for a distance of 3240m near Monboddo and to provide greater separation from a major gas pipeline. We also moved the alignment 160m east of the Potential Alignment for a distance of 1130m near Elf Hill.
Section E Residents in Drumoak and Durris raised concerns about the overhead line's impact on communities, landscape, and proximity to schools, suggesting alternative routes to minimise these effects. Ecological issues included potential impacts on breeding raptors, protected sites like Fowlsheugh SPA, and migratory fish near the River Dee. Cultural heritage concerns were noted by HES and ACAS, highlighting potential impacts on features such as the Nether Auquhollie Standing Stone and Cairn-Mon-Earn cairn.	Having reviewed consultation feedback for this alignment location, we will take forward the Potential Alignment 5a identified in the Consultation Document, as part of the Proposed Alignment in Sections E and F. The existing Kintore to Fetteresso OHL is to be relocated up to 190m west of its current alignment near Wester Durris to provide space for the proposed alignment of the Kintore to Tealing OHL between the existing line and properties to the east. He proposed alignment has also been moved 110m to the west at a different part of the alignment.
Section F Respondents expressed concerns about the overhead line's proximity to communities like Echt, Dunecht, and Drumoak, particularly near schools and woodland areas. They felt the 170m buffer was not being maintained, raising visual impact issues on Aberdeenshire countryside and wildlife. Cultural heritage concerns included potential impacts on sites like King's Well and Barmekin of Echt hillfort. Flooding risks were noted, with tree felling and construction potentially worsening the situation. Ecological impacts on local ecosystems, such as peat bogs and ancient woodlands, were highlighted, with specific sites like Loch of Skene SPA and Old Wood of Drum SSSI mentioned. Technical concerns involved the security of the overhead line near existing gas pipelines. Community benefits included suggestions for improving outdoor learning areas at Drumoak school and nursery.	After reviewing consultation feedback and recent design developments, Alternative Alignment 7c will be adopted for Section F. This decision is based on the determination that Potential Alignment 7a is not less constrained than 7c. Alternative Alignment 7c has fewer technical constraints, particularly regarding flood risk and interaction with a high-pressure gas pipeline. It also offers greater separation from residential properties near Quiddies Mill and Milton of Cullerlie, with similar environmental and cost constraints.
	After reviewing consultation feedback, Potential Alignment 8a will be adopted for Section F. This alignment is considered the least constrained option overall and provides greater separation of the OHL from a larger number and density of residential properties, particularly at Echt, including a school.

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

Project timeline

2022
- Project need and scope confirmed
- (OHL) corridor and route options appraisal started

2023
- Consultation on corridor and routes
- Environmental and engineering surveys

2024
- Environmental Impact Assessment scoping
- Environmental and engineering surveys continue

2024 (continued)
- Additional routeing consultation and consultation on alignment
- Environmental Impact Assessment

2025
- Environmental Impact Assessment report preparation
- Pre-application consultation
- Section 37 application submitted

2026
- Receive consents decision
- Agree discharge of consent conditions if successful consent received
- Proposed construction start

2027–2029
- Phased construction: ongoing

2030
- Construction complete and energisation Kintore to Tealing 400kV OHL

TKUP@sse.com

ssen-transmission.co.uk/TKUP

Scottish & Southern Electricity Networks
TRANSMISSION

Next steps

We value community and stakeholder feedback. Our final alignment proposals are the result of extensive engagement with a wide range of different stakeholders and we believe the Proposed Alignment strikes a balance between the various different considerations that we must take into account.

As part of the Section 37 application process, we are expected to hold at least two pre-application consultation events prior to submitting the application. This is the second and final event providing the opportunity for members of the public to respond to the Proposed Alignment and consider our responses to the feedback we have received from our previous consultation events.

Earlier additional public consultation was also undertaken at the corridor, route and route refinement stages.

Submitting your final comments to us:

We intend to submit our application for consent in Spring 2025. Prior to this, you can submit your final formal comments to us before our feedback period closes on **Friday 28 March.** We welcome final comments from members of the public, statutory consultees and other key stakeholders regarding our proposals until such time as we submit our consent application.

Once an application for consent has been submitted, there will be an opportunity for the public to make formal representations directly to the Scottish Government's Energy Consents Unit before it takes a decision.

What we are seeking views on

During our last public consultation event in September/October 2024, we wanted to know your thoughts on our potential and alternative alignments.

Now that we have selected our Proposed Alignment, we are asking for any final comments or feedback ahead of submitting our Section 37 consent application for the Kintore to Tealing 400kV OHL project. It would be helpful to share any opportunities to deliver a local community benefit or biodiversity projects you would like us to consider.

Additional information:

The best way to keep up to date is to sign up to project updates via the project webpage: **ssen-transmission.co.uk/TKUP**

How to provide feedback

Submit your feedback online by scanning the QR code on this page or via the form on our project webpage at: **ssen-transmission.co.uk/TKUP**

Email the feedback form to the Community Liaison Manager, or write to us enclosing the feedback form at the back of this booklet.

Our Community Liaison team

Each project has a dedicated Community Liaison Manager who works closely with community members to make sure they are well informed of our proposals and that their views, concerns, questions, or suggestions are put to our project teams.

Throughout the life of our projects, you will hear from us regularly. We aim to establish strong working relationships by being accessible to key local stakeholders such as community councils, residents' associations, and development trusts, and regularly engage with interested individuals.

Community Liaison Manager

The best way to contact us regarding this project is through our Community Liaison Team.

Rob Whytock

SSEN Transmission
200 Dunkeld Road,
Perth, PH1 3GH

TKUP@sse.com

You can also follow us on social media:

@ssentransmission

@SSETransmission

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

340

740000m.N

340000m.E

S183
S184
S185
S186
S187
S188
S189
S190
S191
S192
S193
S194
S195
S196
S197
S198
S199
S200
S201
S202
S203
S204
S205
S206

Milton of Ogilvie
Glen Ogilvie
Carlunie Hill
Ark Hill
Upper Handwick
Ryehill
Chamberwells
Nether Handwick
Dryburn
Broom Hill
Piper Den
Gallow Hill
Laidlooin Hill
Finlarg Hill
Meikle Kilmundie
Kilmundie Burn
Calfward Wood
Sheepfold
Grouse Butts
Lumley Den
Lumleyden
Over Finlarg
Nether Finlarg
Govals
East Cotton of Kincaldrum
Muirside
Tarbrax Wood
Sidlaw Hills
Tealing Hill
Tealinghill Wood
Deaf Bridge
Animal Welfare Centre
Petterden
Whitehouse Den
Huntingfaulds
Mansefield
New Mains of Tealing
Tinkletap
The Croft
Todhills
Whitehouse
Tealing Holdings
Tealing Smallholdings
Black Law
Tealing
Coraldern Bridge
Mill of Tealing
Souterrain
Dovecot
Kirkton of Tealing
Tealing House
Balmuir
Newbigging
East Newbigging
Leyshade
Woodville
Pine Trees
The Drum
The Sheiling
Tealing Burn
Balkello Hill
Craigowl Hill
Prieston Hill
Balluderon Hill
Coldstream
Hillside of Prieston
Balcalk
Cairn Knowe
Prieston
Sheepfold
North Balluderon
Balkello Woodland
Newlandhead
Balkembach Cottages
Balkembach
Cross House
Balnuith
Standing Stone of Balkello
North Balkello
Old Balkello
Smithy House
South Balluderon
Balkello
Balbeuchley House
Martin's Stone
Wynton Wood
Wind Farm
Fithie Burn
Linn of Balluderon
Cairns Windy Gates
Tarbrax
Quarries (disused)
Television Station
Radio Station
Ironharrow Well (Spring)
Sheep Wash
Resr
Pp Ho
Ford
Haining
Cairn
Quarry (dis)

Alignment

- Proposed Tower

Substation

- Emmock Substation Planning Application Boundary (Angus Council Reference 24/00699/FULN)

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Scale @ A3: 1:25,000

0 0.25 0.5 1 1.5 km

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section A - 1 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.1

Scottish & Southern Electricity Networks
TRANSMISSION

LUC

340

750000m.N

340000m.E

Section A

Section B

S162
S163
S164
S165
S166
S167
S168
S169
S170
S171
S172
S173
S174
S175
S176
S177
S178
S179
S180
S181
S182
S183
S184
S185
S186

Scale @ A3: 1:30,000
0 0.25 0.5 1 1.5 km

Alignment

- Proposed Tower
- Section boundary

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section A - 2 of 2

Drawn by: CW

Date: 14/02/2025

Drawing: 2.2

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

340

S134
S135
S136
S137
S138
S139
S140
S141
S142
S143
S144
S145
S146
S147
S148
S149
S150
S151
S152
S153
S154
S155
S156
S157
S158
S159
S160
S161
S162
S163
S164

Section B

Section A

ANGUS

KIRRIEMUIR

FORFAR

Tannadice

Oathlaw

Padanaram

Scale @ A3: 1:35,000

0 0.25 0.5 1 1.5 km

750000m.N

340000m.E

Alignment

- Proposed Tower
- Section boundary

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section B - 1 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.3

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

350

760000m.N

350000m.E

S103 S104 S105 S106 S107 S108 S109 S110 S111 S112 S113 S114 S115 S116 S117 S118 S119 S120 S121 S122 S123 S124 S125 S126 S127 S128 S129 S130 S131 S132 S133 S134 S135 S136 S137 S138 S139

Section C

Section B

Strathmore

N

Scale @ A3: 1:35,000

0 0.25 0.5 1 1.5 km

Alignment

- Proposed Tower
- Section boundary

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section B - 2 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.4

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

360

S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 S101 S102 S103 S104 S105 S106 S107 S108

Section C

Scale @ A3: 1:30,000

0 0.25 0.5 1 1.5 km

360000m.E

Alignment

- Proposed Tower
- Section boundary

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas - Section C - 1 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.5

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

370

770000m. N

770000m. N

370000m. E

S47 S48 S49 S50 S51 S52 S53 S54 S55 S56 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84

Section C

Section D

Scale @ A3: 1:30,000

0 0.25 0.5 1 1.5 km

Alignment

- Proposed Tower
- Section boundary

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section C - 2 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.6

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

370

S27 S28 S29 S30 S31 S32 S33 S34 S35 S36 S37 S38 S39 S40 S41 S42 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53

Howe of The Mearns

Strathmore

Section D

Scale @ A3: 1:25,000

0 0.25 0.5 1 1.5 km

370 000m.E

Alignment

- Proposed Tower
- Section boundary

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section D - 1 of 2

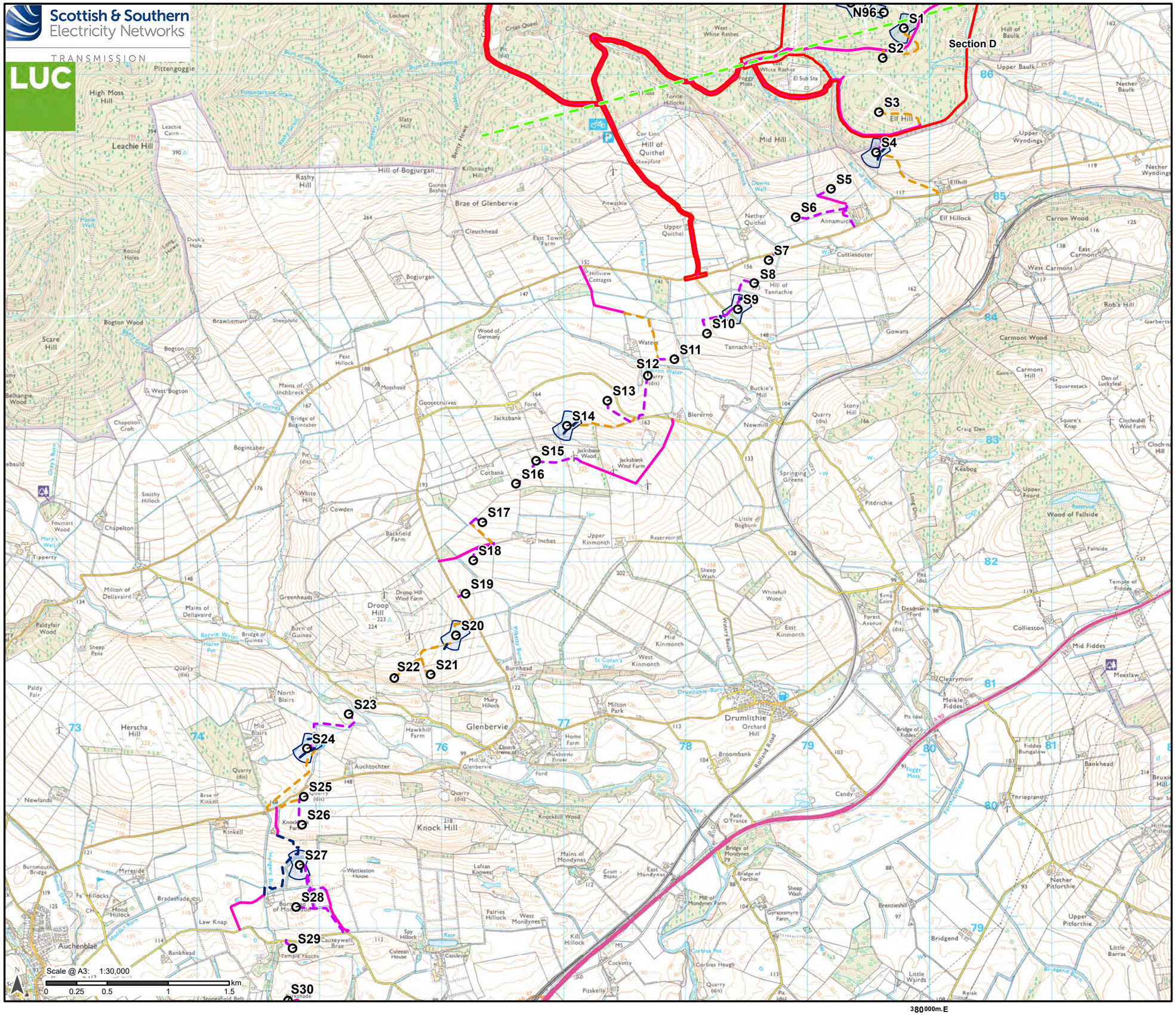
Drawn by: CW Date: 14/02/2025

Drawing: 2.7

Scottish & Southern Electricity Networks

TRANSMISSION

LUC



Alignment

- Proposed Tower
- Section boundary

Substation

- Hurlie Substation Planning Application Boundary (Aberdeenshire Council Reference APP/2024/1951)

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section D - 2 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.8

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

380

790000m.N

380000m.E

Scale @ A3: 1:30,000

0 0.25 0.5 1 1.5 km

Alignment

- Proposed Tower
- Section boundary

Substation

- Hurlie Substation Planning Application Boundary (Aberdeenshire Council Reference APP/2024/1951)

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Proposed trackway

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas - Section E - 1 of 2

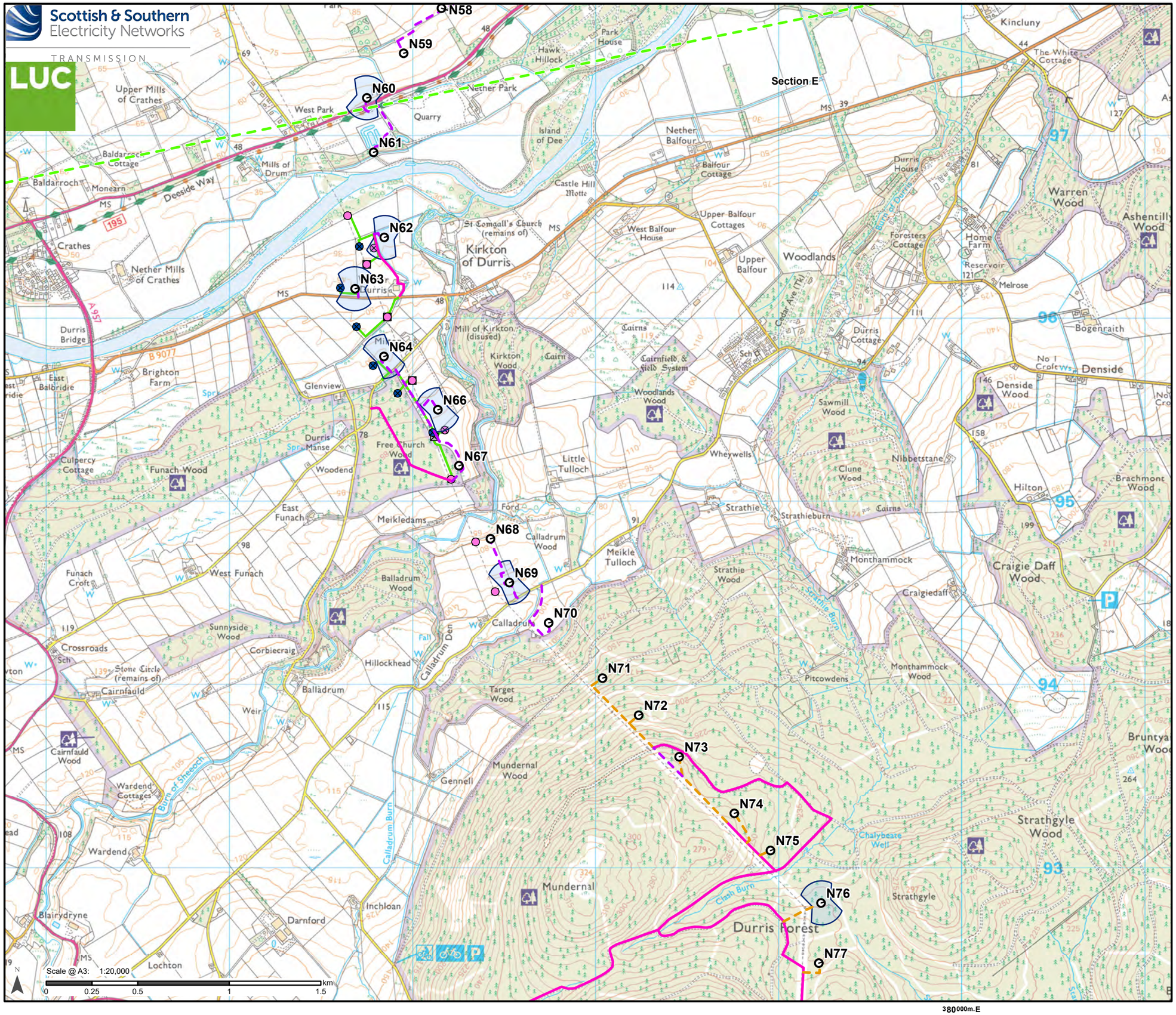
Drawn by: CW Date: 14/02/2025

Drawing: 2.9

Scottish & Southern Electricity Networks

TRANSMISSION

LUC



Alignment

- Proposed Tower
- Section boundary

Additional development to be included in Section 37 application

- Temporary 400kV Tower Position
- Temporary 400kV Diversion Tower Position
- 400kV Diversion Tower Position
- Existing 400kV Tower To Be Dismantled

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- 400kv Access Tracks

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section E - 2 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.10

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

370

380

800000m.N

370000m.E

380

N25 N26 N27 N28 N29 N30 N31 N32 N33 N34 N35 N36 N37 N38 N39 N40 N41 N42 N43 N44 N45 N46 N47 N48 N49 N50 N51 N52 N53 N54 N55 N56 N57 N58 N59 N60 N61 N62

Section F

Section E

Scale @ A3: 1:40,000

0 0.25 0.5 1 1.5 km

Alignment

- Proposed Tower
- Section boundary

Additional development to be included in Section 37 application

- Temporary 400kV Tower Position
- 400kV Diversion Tower Position
- Craigiebuckland -Tarland 132kV Temporary Tower Position
- Existing Craigiebuckland -Tarland 132kV Tower To Be Dismantled
- Existing Craigiebuckland -Tarland 132kV Tower Position
- Craigiebuckland -Tarland 132kV Diamond Diversion Tower Position

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- 400kv Access Tracks
- CLN / CLS Access Tracks

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section F - 1 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.11

370

380

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

N1
N2
N3
N4
N6
N7
N8
N9
N10
N11
N12
N13
N14
N15
N16
N17
N18
N19
N20
N21
N22
N23
N24
N25
N26
N27
N28
N29
N30
N31

Scale @ A3: 1:35,000

0 0.25 0.5 1 1.5 km

810000m.N

370000m.E

380

Alignment

- Proposed Tower

Substation

- Kintore Substation Ownership Boundary

Additional development to be included in Section 37 application

- Temporary 275kV Tower Position
- 275kV Tower To Be Dismantled
- Existing 275kV Tower Position
- 275kV Diversion Tower Position

Permitted Development

- Kintore - Craigiebuckler 132kV Tower Position

Access Track

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary
- Kintore - Craigiebuckler 132kV Access Tracks
- 275kV Access Tracks

Working area

- EPZ (Equipotential zones / Conductor pulling position)

*The conductor has been removed from this map. Please see the figure 1 'proposed alignment' section maps where the conductor is shown

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title:

Proposed Access Tracks and Working Areas
- Section F - 2 of 2

Drawn by: CW Date: 14/02/2025

Drawing: 2.12

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

Section A

Section B

340

750000m.N

740000m.N

340000m.E

Scale @ A3: h1:50,000

0 0.3 0.6 1.2 1.8 2.4 3 km

Alignment

- Proposed Tower
- Proposed Alignment
- Proposed Alignment Limit of Deviation (LoD)*
- Section boundary

Substation

- Emmock Substation Planning Application Boundary (Angus Council Reference 24/00699/FULN)

Please see project website ssen-transmission.co.uk/TKUP for detailed maps of each section

*LoDs to be finalised for the Section 37 application.

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No:	LT455
Project:	Kintore to Tealing 400kV Overhead Line
Title:	Proposed Alignment - Section A
Drawn by:	CW
Date:	07/02/2025
Drawing:	3.1

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

340

350

760000m.N

750000m.N

340000m.E

350

Section A

Section B

Section C

Scale @ A3: 1:55,000

0 0.325 0.65 1.3 1.95 2.6 3.25 km

Alignment

- Proposed Tower
- Proposed Alignment
- Proposed Alignment Limit of Deviation (LoD)*
- Section boundary

Please see project website ssen-transmission.co.uk/TKUP for detailed maps of each section

*LoDs to be finalised for the Section 37 application.

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title: Proposed Alignment - Section B

Drawn by: CW Date: 07/02/2025

Drawing: 3.2

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

360

370

770000m.N

360000m.E

Section C

Section D

Scale @ A3: 1:50,000

0 0.3 0.6 1.2 1.8 2.4 3 km

Alignment

- Proposed Tower
- Proposed Alignment
- Proposed Alignment Limit of Deviation (LoD)*
- Section boundary

Please see project website ssen-transmission.co.uk/TKUP for detailed maps of each section

*LoDs to be finalised for the Section 37 application.

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title: Proposed Alignment - Section C

Drawn by: CW Date: 07/02/2025

Drawing: 3.3

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

370

380

780000m.N

370000m.E

380

Section D

Scale @ A3: 1:50,000

0 0.3 0.6 1.2 1.8 2.4 3 km

Alignment

- Proposed Tower
- Proposed Alignment
- Proposed Alignment Limit of Deviation (LoD)*
- Section boundary

Substation

- Hurlie Substation Planning Application Boundary (Aberdeenshire Council Reference APP/2024/1951)

Please see project website ssen-transmission.co.uk/TKUP for detailed maps of each section

*LoDs to be finalised for the Section 37 application.

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No:	LT455
Project:	Kintore to Tealing 400kV Overhead Line
Title:	Proposed Alignment - Section D
Drawn by:	CW
Date:	07/02/2025
Drawing:	3.4

380

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

Section F

Section E

Section E

Section D

790000m.N

380000m.E

Scale @ A3: 1:50,000

0 0.3 0.6 1.2 1.8 2.4 3 km

Alignment

- Proposed Tower
- Proposed Alignment
- Proposed Alignment Limit of Deviation (LoD)*
- Section boundary

Substation

- Hurlie Substation Planning Application Boundary (Aberdeenshire Council Reference APP/2024/1951)

Please see project website ssen-transmission.co.uk/TKUP for detailed maps of each section

*LoDs to be finalised for the Section 37 application.

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No: LT455

Project: Kintore to Tealing 400kV Overhead Line

Title: Proposed Alignment - Section E

Drawn by: CW Date: 07/02/2025

Drawing: 3.5

Scottish & Southern Electricity Networks

TRANSMISSION

LUC

370

380

810 000m.N

800 000m.N

370 000m.E

380

Section F

Section E

Scale @ A3: 1:70,000

0 0.425 0.85 1.7 2.55 3.4 4.25 km

Alignment

- Proposed Tower
- Proposed Alignment
- Proposed Alignment Limit of Deviation (LoD)*
- Section boundary

Please see project website ssen-transmission.co.uk/TKUP for detailed maps of each section

*LoDs to be finalised for the Section 37 application.

Reproduced by permission of Ordnance Survey on behalf of HMSO.
Crown copyright and database right 2025 all rights reserved.
Ordnance Survey Licence number 0100022432.
SSEN Transmission take no responsibility for the release or accuracy of latest version Basemaps from Ordnance Survey

Project No:	LT455
Project:	Kintore to Tealing 400kV Overhead Line
Title:	Proposed Alignment - Section F
Drawn by:	CW
Date:	07/02/2025
Drawing:	3.6