

APPENDIX A PROPOSAL OF APPLICATION NOTICE & PLAN IDENTIFYING LAND

PROPOSAL OF APPLICATION NOTICE

Town and Country Planning (Scotland) Act 1997 (Section 35B)
The Town and Country Planning (Development Management Procedure) (Scotland)
Regulations 2013 (Regulations 4 -7)

**To be completed for all developments within the
national or major categories of development**

Name of Council	Angus Council
Address	Orchardbank Business Park
	Orchardbank
	Forfar
	Angus DD8 1AN

Proposed development at [Note 1]	Land in the vicinity of Balkemback Farm, Kirkton of
	Tealing, north of Dundee, in Angus.

Description of proposal [Note 2]	Proposed Construction and Operation of a 400kV AC Substation, and the Associated Undertaking of Earthworks, the Formation of Platforms, Landscaping, Means of Access, Means of Enclosure, Site Drainage, Temporary Construction Compounds and Other Associated Operations (National Development)
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Notice is hereby given that an application is being made to

[Note 3] Council by [Note 4]

Of [Note 5]

In respect of [Note 6]

To take place on [Note 7]

[Note 8] The following parties have received a copy of this Proposal of Application Notice

[See full list in covering letter] Tealing Community Council, and neighbouring community councils; Monifeith and Sidlaw ward councillors; constituency, neighbouring and regional MSPs; and constituency and neighbouring MPs at Westminster.

[Note 9] For further details contact

on telephone number

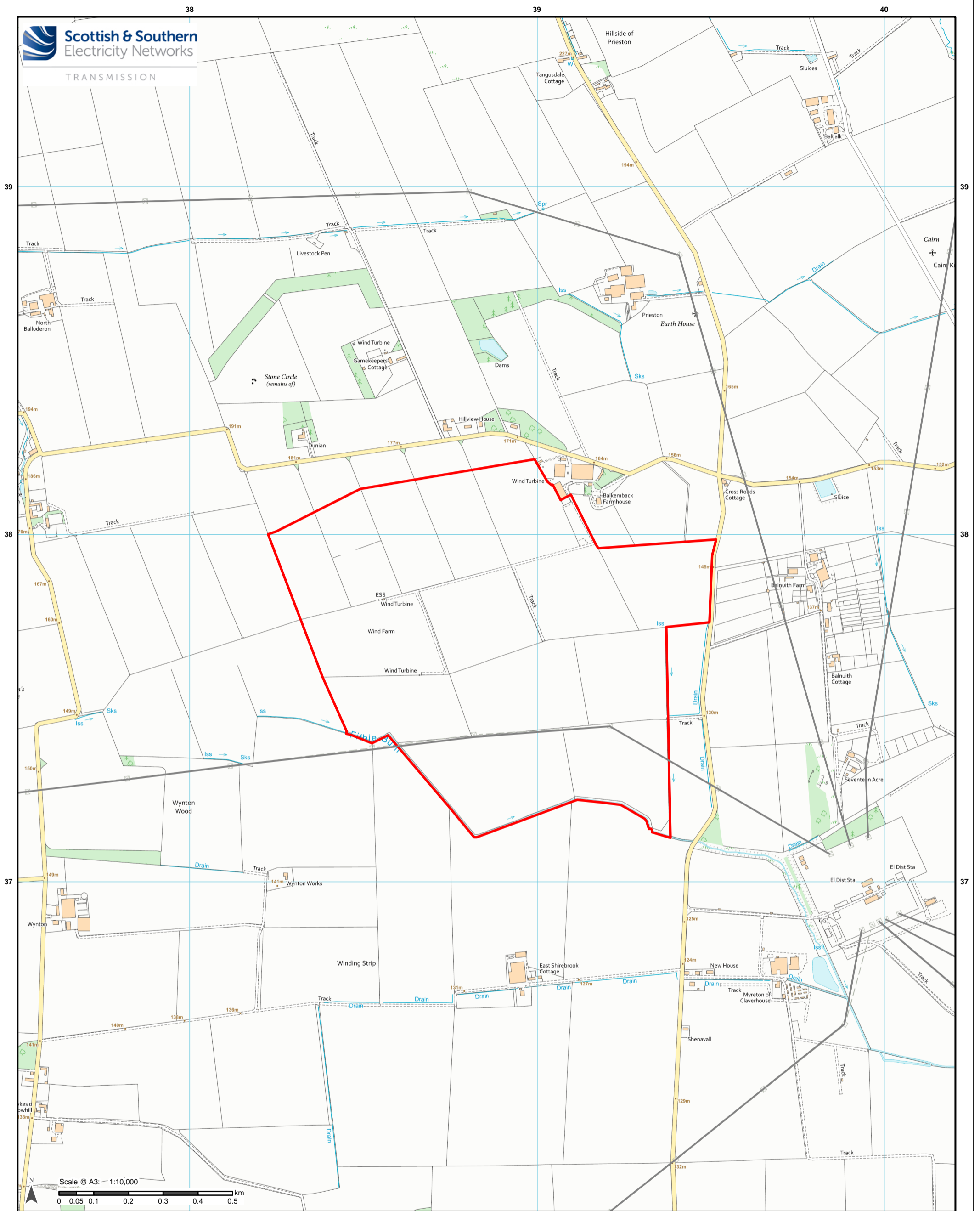
And/or at the following address

[Note 10] I certify that I have attached a plan outlining the site

Signed

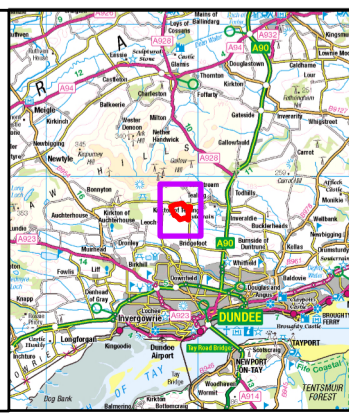
On behalf of

Date



Legend

- Proposal of application notice red line boundary - 91.39 ha
- Existing Overhead Line



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Project No:	LT000382
Project:	Emmock (Tealing) 400kV Substation
Title:	Proposal of Application Notice (PAN) Emmock (Tealing) Substation
Drawn by:	BJR
Date:	26/01/2024
Drawing:	LT000470_ENV_002_PAN

APPENDIX B PAN COVERING LETTER

Planning Department
Orchardbank Business Park
Orchardbank
Forfar
Angus
DD8 1AN

Robert Nairn
Scottish Hydro Electric Transmission Plc
Inveralmond House
200 Dunkeld Road
Perth
PH1 3AQ
e-mail – [REDACTED]

Via email only.

31 January 2024

Dear Sir/Madam,

Our ref: LT000382 Tealing (Emmock) Substation

Proposal of Application Notice: Proposed Construction and Operation of a 400kV AC Substation, and the Associated Undertaking of Earthworks, the Formation of Platforms, Landscaping, Means of Access, Means of Enclosure, Site Drainage, Temporary Construction Compounds and Other Associated Operations (National development) at Land in the vicinity of Balkemback Farm, Kirkton of Tealing, north of Dundee, in Angus.

Scottish Hydro Electric Transmission plc (the Prospective Applicant), operating and known as Scottish and Southern Electricity Networks Transmission (SSEN Transmission), is pleased to submit this Proposal of Application Notice (PAN) and location plan relating to the abovementioned development in the abovementioned location.

The Prospective Applicant has planned two in-person public consultation events. The first will be held at Tealing Village Hall on 7 March 2024 at 2-7PM. The last public event will be held at Tealing Village Hall on 5 June 2024 at 2-7PM.

Newspaper advertisements in respect of the public events will be placed in The Courier at least seven days in advance of each event. A draft of the first notice is attached for your information.

Copies of this PAN with attachments will be sent to the parties identified in the list below.

Community Councils

Email

Tealing Community Council

[REDACTED]@tealingvillage.org

Strathmartine Community Council

[REDACTED]@outlook.com

Auchterhouse Community Council	██████████@auchterhouse.com
Glamis Community Council	██████████@yahoo.com
Inverarity Community Council	██████████@hotmail.co.uk
Murroes and Wellbank Community Council	██████████@gmail.com

Councillors (Monifieth and Sidlaw Ward, Angus) Email

Beth Whiteside	██████████@angus.gov.uk
Craig Fortheringham	██████████@angus.gov.uk
Heather Doran	██████████@angus.gov.uk
Lloyd Melville	██████████@angus.gov.uk

Members of Scottish Parliament Email

Tess White	██████████@Parliament.scot
Maurice Golden	██████████@parliament.scot
Liam Kerr	██████████@parliament.scot
Douglas Lumsden	██████████@Parliament.scot
Maggie Chapman	██████████@Parliament.scot
Michael Marra	██████████@Parliament.scot
Mercedes Villalba	██████████@parliament.scot
Graeme Dey	██████████@parliament.scot

Members of Parliament Email

Dave Doogan	██████████@parliament.uk
Chris Law	██████████@parliament.uk
Stewart Hosie	██████████@parliament.uk

In terms of additional consultation and publicity, the Prospective Applicant proposes to carry out a leaflet drop of properties within 10km of the site in order to make the public aware of the consultation events. There is also a dedicated project website where project updates are provided at <https://www.ssen-transmission.co.uk/projects/project-map/emmock-400kv-substation/>.

In addition to the required statutory advertisement, coloured advertisements inviting public participation will also be placed in the general news sections of The Courier and the Angus County Press.

We trust that the approach as set out above and in the attached PAN is sufficient to meet the terms of the statutory requirements for pre-application consultation, without prejudice to the planning authority's obligations under the terms of Section 35(B) of the Town and Country Planning Act 1997 (as amended).

I look forward to receiving confirmation of receipt and validation of this PAN, and any response Angus Council may have within 21 days.

Should you have any queries or require further information please contact me directly.

Yours Faithfully,

Robert Nairn
Town Planning Specialist
Scottish Hydro Electric Transmission plc

APPENDIX C NEWSPAPER NOTICES



TO PLACE YOUR CLASSIFIED AD IN THE COURIER IS EASY...

PHONE 01382 575088

OPEN: Monday to Friday, 9am-5pm.

E-MAIL teleads@dcthompson.co.uk

Giving your name, address, postcode and phone number.



Public Notices

THE TOWN AND COUNTRY PLANNING (DEVELOPMENT MANAGEMENT PROCEDURE) (SCOTLAND) REGULATIONS 2013 (AS AMENDED) REGULATION 7

Notice Of Pre-Application Consultation

Scottish Hydro Electric Transmission plc (the Applicant), operating and known as Scottish and Southern Electricity Networks Transmission (SSEN Transmission), hereby submits notification of pre-application consultation for a proposed development at Land in the vicinity of Balkemback Farm, Kirkton of Tealing, north of Dundee, in Angus.

The proposed development site is located near to the existing Tealing 275kV substation, DD3 0PY, on the eastern side of Emmock Road.

The proposed development is for: Proposed Construction and Operation of a 400kV AC Substation, and the Associated Undertaking of Earthworks, the Formation of Platforms, Landscaping, Means of Access, Means of Enclosure, Site Drainage, Temporary Construction Compounds and Other Associated Operations (National development).

A proposal of application notice in respect of the proposed development was submitted to Angus Council on 31 January 2024.

Members of the local community and interested members of the public are invited to attend the following consultation event (Public Event 1) relating to the proposal described above to be held on:

Thursday 7 March 2024, 2PM-7PM, at Tealing Village Hall, Inveraldie DD4 0QW.

Details of further consultation (Public Event 2) will be published in due course.

This event is an opportunity to view the proposals and to meet the Applicant and the project teams who will be available to answer questions.

Further information can be viewed on the project website at: <https://www.ssen-transmission.co.uk/projects/project-map/emmock-400kv-substation/>

Further details can also be sought from the Community Liaison Manager whose details are listed below.

You can submit comments on the proposals to the Applicant at this stage either at the event mentioned above, by email or in writing to:

Community Liaison Manager, Rhiannon Merritt, tkup@sse.com, SSEN Transmission, 10 Henderson Road, Inverness IV11 5N

These comments must be received no later than 18 April 2024.

Please note that any comments made to the Applicant are not representations to Angus Council. There will be an opportunity to make representations to the local planning authority following the submission of the application.

Robert Nairn
For and behalf of Scottish Hydro Electric Transmission Plc.

Antiques and Collectables



WANTED MEDALS

Experienced knowledgeable buyer looking for British campaign medals, badges & Militaria

ANY GOLD JEWELLERY
(rings, bracelets, brooches earrings, watches)
purchased for top prices
ANY COIN COLLECTIONS
(Gold, Silver, Royal Mint)

Appraisals given, cash paid
Antiques/collections purchased
Tel: 07795 555654
Email: grayser1974@yahoo.co.uk

Articles Wanted

WANTED

Old enamel signs, old motoring related items, petrol cans, oil cans, road signs, advertising banners etc. have a look in your garages and sheds and give Bob a call.

Good prices paid.
Tel: 07971 156394

WANTED

Garage and shed contents, old and new tools, collectable items, anything old and interesting.

Tel: 07840 794453
or 01828 628138.

Personal

EASY GOING GENT

In my 60's looking for a lady for companionship in Dundee. Interests include walking, swimming, music, movies and going for meals.

TEL: 01382 800194

Classified Advertising

Telephone
01382 575088

Miscellaneous

CLEARANCE

Michelin Brown 24" HD ready, LED TV, hardly used, £100.

Outdoor revolution Caymen Cuba drive-away air awning, with pump, never used, cost £400, £200.

Electric bike, £400

Tel: 07526022873

Cars Wanted

WE BUY ANY CAR, VAN OR MOTORHOME



Any make, mileage, or condition.
Finance cleared.
Same day payment.
We come to you.
NO HASSLE.



TOWN AND COUNTY LTD

Contact Mike on **07469 873702 / 01224 961500**
or email mike@town-county.com

Caravans, Motorhomes and Boats

WANTED

MOTORHOMES, CAMPERS AND CARAVANS
TOP PRICES PAID • WE COLLECT

IMMEDIATE PAYMENT

CALL US ON **01224 774455**
VIEW OUR CURRENT SELECTION OF MOTORHOMES/CARAVANS ON
WWW.CARJOY.UK

COURIER Annual Subscription Rates inclusive of postage — U.K. £748.00; Overseas £1,217.00.

Classified Advertising
01382 575088

THE COURIER Digital Advertising

Call **01382 575757**

E-mail:

teleads@dcthompson.co.uk



Courier Motoring

To reserve your space in our motoring section call the Motors team on

01382 575757

e-mail: teleads@dcthompson.co.uk





TO PLACE YOUR CLASSIFIED ADVERT IN THE COURIER IS EASY...

PHONE 01382 575088 | **E-MAIL teleads@dcthompson.co.uk**
OPEN Monday to Friday, 9am-5pm. Giving your name, address, postcode and phone number.



NOTICES

Public Notices

SIRIUS ECODEV (STIRLING) LTD ELECTRICITY ACT 1989 TOWN AND COUNTRY PLANNING (SCOTLAND) ACT 1997

Notice is hereby given that Sirius EcoDev (Stirling) Ltd, company registration number 13459817 with its Registered Office at The Factory, Whitchurch, HR9 6DF, has applied to the Scottish Ministers for consent under Section 36 of the Electricity Act 1989 to construct and operate a battery energy storage system known as Stirling Battery and Solar Energy Park, By Keithick Farm and Islabank, Coupar Angus, Perth & Kinross Council (Central Grid Reference 320437 739761). The installed capacity of the proposed battery storage system storage would be up to 110MW.

Sirius EcoDev (Stirling) Ltd has also applied for a direction under Section 57(2) of the Town and Country Planning (Scotland) Act 1997 that planning permission for the development be deemed to be granted.

Copies of the application, including plans showing the lands to which it relates and the supporting documents, are available for public inspection in person, free of charge during normal office hours at:

Straffmore Community Hub, Trades Lane, Coupar Angus, Monday-Friday 9am-5pm.

Copies of the application documents may be obtained from AE Associates, Kaimknowe Farm, Glendevon, FK14 7JZ (telephone: 07910741328 or email: ae.associates@btinternet.com) £85 in hard copy and free of charge on USB.

Any representations to the application may be submitted to Scottish Ministers via the Scottish Government Energy Consents Unit, either by email to representations@gov.scot, or by post to Scottish Government Energy Consents Unit, 4th Floor, 5 Atlantic Quay, 150 Broomielaw, Glasgow, G2 8LU, identifying the proposal and specifying the grounds for representation. Please note that there may be a delay in the Energy Consents Unit receiving representations by post.

Written or emailed representations should be dated, clearly stating the name (in block capitals) and full return email and postal address of those making representations. Only representations sent by email to representations@gov.scot will receive acknowledgement.

All representations should be received not later than 28th June 2024 although Scottish Ministers may consider representations received after this date.

Any subsequent additional information which is submitted by the developer will be subject to further public notice in this manner, and representations on such information will be accepted as per this notice.

As a result of a statutory objection from the relevant planning authority, or where Scottish Ministers decide to exercise their discretion to do so, Scottish Ministers can also cause a public inquiry to be held.

Following examination of the environmental information, Scottish Ministers will determine the application for consent in one of two ways:

- Consent the proposal with or without conditions attached; or
- Reject the proposal

General Data Protection Regulations

The Scottish Government Energy Consents Unit processes consent applications and consultation representations under the Electricity Act 1989. During the process, to support transparency in decision making, the Scottish Government publishes online at www.energyconsents.scot. A privacy notice is published on the help page at www.energyconsents.scot. This explains how the Energy Consents Unit processes your personal information. If you have any concerns about how your personal data is handled, please email Econsents_admin@gov.scot

CONDITIONS OF ACCEPTANCE

The Publishers retain full discretion as to the contents of The Courier and reserve the full right to refuse to publish an advertisement or omit or suspend any advertisement for which an order has been accepted in every case without stating any reasons for doing so.

While every effort will be made to insert an advertisement at the time specified, no guarantee can or will be given for such insertion. The Publishers shall not be liable for any error, omission or inaccuracy in a published advertisement, nor do they accept any liability for any loss which the Advertiser may allege to have been caused by any such error, omission or inaccuracy. No responsibility is taken for any mishap in handling box number replies.

The Publishers reserve the right to alter, modify, suspend or cancel an advertisement at any time without notice.

The Advertiser must obtain and maintain all necessary licenses, permissions and consents which may be required before the date on which an advertisement is set to be inserted. The Advertiser confirms that any information supplied with the advertisement is accurate, complete, true and not misleading. Furthermore, the Advertiser guarantees that the advertisement is legal, decent, honest and truthful, and complies with all relevant law and regulation including codes and industry guidance in regards to an advertisement and its products or services.

The Advertiser's personal data will be processed in accordance with our privacy policy which can be found at <https://www.dcthompson.co.uk/privacy-policy/>.

The placing of an order shall be considered as an acceptance of these conditions.

THE TOWN AND COUNTRY PLANNING (DEVELOPMENT MANAGEMENT PROCEDURE) (SCOTLAND) REGULATIONS 2013 (AS AMENDED) REGULATION 7 NOTICE OF PRE-APPLICATION CONSULTATION

Scottish Hydro Electric Transmission plc (the Applicant), operating and known as Scottish and Southern Electricity Networks Transmission (SSEN Transmission), hereby submits notification of pre-application consultation for a proposed development at Land in the vicinity of Balkmback Farm, Kirkton of Tealing, north of Dundee, in Angus.

The proposed development site, on the eastern side of Emmock Road, is located near to the existing Tealing 275kV substation, DD3 0PY.

The proposed development is for: Proposed Construction and Operation of a 400kV AC Substation, and the Associated Undertaking of Earthworks, the Formation of Platforms, Landscaping, Means of Access, Means of Enclosure, Site Drainage, Temporary Construction Compounds and Other Associated Operations (National development).

A proposal of application notice in respect of the proposed development was submitted to Angus Council on 31 January 2024.

A consultation event on these proposals (Public Event 1) was held on 7 March 2024 at Tealing Village Hall, Inveraldie DD4 0QW.

Comments received at the first consultation event and online during the consultation period have been summarised. Feedback on these comments will be presented at the second public consultation event (Public Event 2), which will be held on:

5 June 2024, 2PM-7PM,
at Tealing Village Hall, Inveraldie DD4 0QW.

Further information can be viewed on the project website at:

<https://www.ssen-transmission.co.uk/projects/project-map/emmock-400kv-substation/>

Further details can also be sought from the Community Liaison Manager whose details are listed below.

You can submit comments on the proposals to the Applicant by email or in writing to:

Community Liaison Manager, Rhiannon Merritt,
tkup@sse.com, SSEN Transmission, 10 Henderson Road, Inverness IV11 5N

These comments must be received no later than 17 July 2024.

The Pre-application Consultation (PAC) process undertaken and the feedback received will be summarised and presented in a PAC Report to be submitted with the future planning application.

Please note that any comments made to the Applicant are not representations to Angus Council. There will be opportunity to make representations to the local planning authority following the submission of the application.

Robert Naim
For and behalf of Scottish Hydro Electric Transmission Plc.

PROPERTY

Exchanges

EXCHANGE

2 bedroom flat, 2 in a block, Woodside, Dundee, for a 2 bedroom house in a different area.

Tel: 07487 695150

Pets & Accessories

MINIATURE SCHNAUZER CROSS PUPS

Beautiful and born and raised in the family home, ready to leave of 5th June, they will be micro-chipped, health checked and with puppy pack.

£650 each.
Tel: 07871 707862

To advertise, telephone:

Private advertisers
01382 575088

Trade advertisers
01382 575757

Cars Wanted

WE BUY ANY CAR, VAN OR MOTORHOME



Any make, mileage, or condition.
Finance cleared.
Same day payment.
We come to you.
NO HASSLE.

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Contact Mike on **07469 873702 / 01224 961500**
or email mike@town-county.com

E-mail your advert to teleads@dcthompson.co.uk

THINKING OF SELLING YOUR CAR

We are actively looking to BUY vehicles from anywhere in Scotland

- SAME DAY PAYMENT
- HASSLE FREE SERVICE
- INDEPENDENT FAMILY RUN BUSINESS
- WE COME TO YOU TO VALUE & COLLECT THE VEHICLE
- COMPETITIVE TRADE PRICES PAID FOR THE RIGHT VEHICLES

No Hidden Fees

The Price We Offer Is The Price You Get!



Contact Michael at MSB Car Sales in Arbroath
Tel/Text/WhatsApp: 07543 130458
Email: sales@msbcars.co.uk
Message us on Facebook/Instagram @MSBCarSales

We buy Cars, Vans & Motorhomes

Sell your car the safe way for instant payment and safe contactless collection

Just text or phone with your Reg number and mileage for a valuation.

Call Raymond on **07770 884499** or Jordan on **07833 174444**

E-mail your advert to teleads@dcthompson.co.uk

Caravans, Motorhomes and Boats

MOTORHOME
Hymen on Mercedes, ML580, Sept 2015, 3500kg, Auto, 8526 miles, one owner, 12m mot. Fixed bed(s) over large garage. All the big extras incl. - bikes rack, sat nav, T.V., chipped up engine, leisure battery x2, larger solar panel, rev camera, carpets, etc. Interior as new. New price over £115k plus the extras.
£72,000.
Tel: 07778 668630
ABERDEENSHIRE

WANTED TOURING CARAVAN
Any make or model considered. Must have cassette toilets.
Tel: 07881 746287

Motoring Accessories

SCRAP CARS WANTED
Surplus scrap wanted. Garage clearances.
Tel: 07716581381
DUNDEE

RETAIL

Articles Wanted

WANTED

Old enamel signs, old motoring related items, petrol cans, oil cans, road signs, advertising banners etc. have a look in your garages and sheds and give Bob a call.
Good prices paid.
Tel: 07971 156394

WANTED

Garage and shed contents, old and new tools, collectable items, anything old and interesting.

Tel: 07840 794453 or 01828 628138.

ANVIL WANTED

Any Size
Phone: 07740203185

Domestic Appliances

DYSON V6 for sale, bought latest model, requires small part, call between 1pm - 2.30pm please. £50, Tel: 01241 890457.

COURIER Annual Subscription Rates inclusive of postage — U.K. £748.00; Overseas £1,217.00.

APPENDIX D NEWSPAPER ADVERTISEMENTS, SOCIAL MEDIA ADVERTISEMENTS, COMMUNITY COUNCIL EMAILS

Dame Esther's caviar wish

BY JAMEL SMITH

Dame Esther Rantzen has revealed she would like a final dinner of caviar and Champagne before her death after she signed up for an assisted dying clinic.

Since being diagnosed with terminal cancer in 2023, Dame Esther has campaigned for a parliamentary debate and a free vote to legalise assisted dying with "built-in precautions to protect the interests of the person".

The 83-year-old founder of Childline joined the Swiss-assisted dying company Dignitas as a precautionary measure "if the law does not change in time".

Speaking to LBC yesterday, Dame Esther outlined her preparations for her death should she go ahead with Dignitas.

She said: "I'd like to fly

off to Zurich with my nearest and dearest. Have a fantastic dinner the night before.

"I'd love caviar, if possible, and the fact that it doesn't always agree with me doesn't matter, does it?"

"I could even have Champagne, which I'm deeply allergic to. Then the next day, go to this rather unappealing place where they do it.

"Listen to a favourite piece of music, say goodbye to everybody. Tell them to cheer up. I'm meeting my late husband, my departed dog and my mother at the pearly gates.

"Hold up my hand for an injection or open my mouth for a rather disgusting medication.

"I've got an amazing family and a group of friends and colleagues. So I'd like to say goodbye fairly gracefully, as much as I can

muster and then go, that's what I'd like."

Dame Esther, from Berkhamsted, Hertfordshire, said the laws surrounding assisted dying are a "mess at the moment" as her family could be accused of murder if they travelled with her to Dignitas.

The former presenter emphasised the importance of "individual choice" if her suffering from cancer becomes "too great".

"The intentions are good... to protect people in the last days of their life, from being coerced into something by greedy relatives, or other crimes of that kind," she said.

"As I have terminal cancer, it is a possibility that my life will become too painful, that my suffering will be too great.

"Even with the great palliative care skills that

exist in this country and in my local hospice, they won't be able to help me and I want to die.

"What we need is for people to have individual choice, at that moment, which is literally life and death."

Dame Esther, along with the Daily Express and the campaign group Dignity in Dying, launched a petition demanding a parliamentary vote on the subject, which amassed 120,000 signatures in about three weeks.

Sarah Wootton, chief executive of Dignity in Dying, said: "Dame Esther Rantzen speaks for countless families up and down the country, from all walks of life, who are demanding change.

"From countries that have already legalised like Australia and New Zealand, we know that there is a better, kinder, safer way."



DIAGNOSIS: Dame Esther Rantzen has terminal cancer.

Kintore to Tealing 400kV Projects

Pre-application consultation events

We are holding statutory pre-application consultation events for our proposed substations; Hurlie in Fetteresso Forest and Tealing (Emmock). The pre-application process is a key first step in the Town and Country planning process for national planning applications.

During our drop-in events you will be able to view further information about our proposed substation sites, meet the team, ask questions and share feedback ahead of our second public events. We will also be consulting on new routes proposed following the publication of our Report on Consultation in December 2023 as well as the sections of existing overhead line that require to be upgraded between Alyth to Tealing and Tealing to Westfield.

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt
SSEN Transmission, 10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

@sentransmission

@SSETransmission



TRANSMISSION

The overhead line reconductor events will be held on:

Monday 4 March, 2-7pm
Errol Village Hall, Errol

Tuesday 5 March, 2-7pm
Tayside Institute Community Centre, Newburgh

Wednesday 6 March, 2-7pm
Alyth Town Hall, Alyth

Thursday 7 March, 2-7pm
Tealing Village Hall, Tealing

Find out more and register for project updates, visit the project website by scanning the QR code, or use the following URLs:

<https://bit.ly/3HFQOW1>

<https://bit.ly/48W3BX7>

Hurlie 400kV:



Tealing 400kV:



The substation and new overhead line events will be held on:

Tuesday 5 March, 2-7pm
Memus Community Hall, Tannadice

Wednesday 6 March, 2-7pm
Reid Hall, Forfar

Thursday 7 March, 2-7pm
Tealing Village Hall, Tealing

Tuesday 12 March, 2-7pm
Brechin City Hall, Brechin

Wednesday 13 March, 2-7pm
Echt Village Hall, Echt

Thursday 14 March, 2-7pm
Dickson Hall, Laurencekirk

Tuesday 19 March, 2-7pm
Drumlithie Village Hall, Drumlithie

Wednesday 20 March, 2-7pm
Drumoak Bowling Club, Drumoak

Thursday 21 March, 2-7pm
Auchenblae Village Hall, Auchenblae

NEWS

Insight into support charity

Mark Dowie
mark.dowie@nationalworld.com

Angus South MSP Graeme Dey recently paid a visit to Tayside 4x4 – a vital charity which aims to support emergency services and vulnerable people during harsh weather conditions.

The organisation also provides support to the efforts of local authorities, NHS and utility companies at such times of need. Amid the recent challenges posed by severe winter weather across Angus, Mr Dey met with charity head Andrew Bryce to gain further insight into the organisation's efforts.

With his visit, Mr Dey sought to raise awareness of the pivotal role Tayside 4x4



Graeme Dey with Tayside 4x4 volunteers during his visit.

plays with their fleet of vehicles. From remote areas of Angus to the wider Tayside region, the charity assists in

transportation, prescription delivery and even the provision of warm meals – ensuring that those in need receive

timely assistance.

During their meeting, Mr Dey and Mr Bryce discussed Tayside 4x4's additional logistical support for key service workers in times of need, providing transport to social care staff and district nurses, among others, when they are needed in remote areas that would be otherwise inaccessible.

Mr Dey said: "It goes to show the power that local voluntary organising can have on the most vulnerable, and I hope to see how the charity grows in future to expand the services they offer and the areas they cover."

"Andrew Bryce and the entire Tayside 4x4 team are doing a real service to the local community – helping out from the Angus Glens to the hills of Perthshire."

Aim to encourage recycling

President Ann Frith welcomed members of St Vigeans SWI to their recent meeting and went on to introduce Abbey Craig from Arbroath and Angus Community Alliance to explain the purpose of the group.

The aim of the Alliance is to encourage people to reuse, recycle and reduce waste going into landfill.

They have encouraged supermarkets in town to allow members to collect leftover food at the end of the day to distribute to needy households. They also encourage folk to donate unwanted items that could be useful to someone else.

There is always a need for such exchanges. Abbey was invited to judge the competitions: A Valentine card – 1 Karen Coates, 2 Ann Frith, 3 Ann Hamilton; A Child's scarf – 1 Ann Frith, 2 Ella Sinclair, 3 Joyce Lynn.

There were a good number of other scarves donated and these were given to Ab-

bey to pass on to needy children in the area.

As she closed the meeting, Ann reminded the ladies that next month The Basin Belles from Montrose will be paying a welcome visit. The competitions next month are for a slice of Victoria sponge and a single spring flower.

Kingsmuir SRI
The president welcomed members and visitors, where Matthew Steel delivered an inspiring presentation on his involvement in the Pick Up for Peace initiative, started by Mark Laird from Memus and supported by a number of local people to initially deliver 26 vehicles to support the war in Ukraine. This has now grown with over 270 vehicles and 2.4 million donated.

Competitions: Two squares of Salted Caramel Fudge – 1 Jennifer Simpson; Heart-shaped pin cushion – 1 Mabel Taylor, 2 Jean Cook.

Kintore to Tealing 400kV Projects

Pre-application consultation events

We are holding statutory pre-application consultation events for our proposed substations; Hurlie in Fetteresso Forest and Tealing (Emmock). The pre-application process is a key first step in the Town and Country planning process for national planning applications.

During our drop-in events you will be able to view further information about our proposed substation sites, meet the team, ask questions and share feedback ahead of our second public events. We will also be consulting on new routes proposed following the publication of our Report on Consultation in December 2023 as well as the sections of existing overhead line that require to be upgraded between Alyth to Tealing and Tealing to Westfield.

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt
SSEN Transmission, 10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

@ssentransmission @SSETransmission



TRANSMISSION

The overhead line reconductor events will be held on:

Monday 4 March, 2–7pm
Errol Village Hall, Errol

Tuesday 5 March, 2–7pm
Tayside Institute Community Centre, Newburgh

Wednesday 6 March, 2–7pm
Alyth Town Hall, Alyth

Thursday 7 March, 2–7pm
Tealing Village Hall, Tealing

Find out more and register for project updates, visit the project website by scanning the QR code, or use the following URLs:
<https://bit.ly/3HFQOw1>
<https://bit.ly/48W3BX7>

Hurlie 400kV:



Tealing 400kV:



The substation and new overhead line events will be held on:

Tuesday 5 March, 2–7pm
Memus Community Hall, Tannadice

Wednesday 6 March, 2–7pm
Reid Hall, Forfar

Thursday 7 March, 2–7pm
Tealing Village Hall, Tealing

Tuesday 12 March, 2–7pm
Brechin City Hall, Brechin

Wednesday 13 March, 2–7pm
Echt Village Hall, Echt

Thursday 14 March, 2–7pm
Dickson Hall, Laurencekirk

Tuesday 19 March, 2–7pm
Drumlithie Village Hall, Drumlithie

Wednesday 20 March, 2–7pm
Drumoak Bowling Club, Drumoak

Thursday 21 March, 2–7pm
Auchenblae Village Hall, Auchenblae

08:14



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4 Mar · 🌐



⚡ We're looking forward to seeing members of the public at our Kintore to Tealing public engagement events that start today!

➔ For the full list of events, and to find out how you can get involved, read more: https://lnkd.in/ehGX_ND3

**For more information,
please visit:
ssen-transmission.co.uk/events**

Click the link in our bio.



Scottish & Southern



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Dating



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Menu

08:11



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■ Beaulay - Blackhilllock - New Deer - Peterhead 400kV Reinforcement
■ Kintore - Tealing 400kV Projects
■ Spittal - Loch Buidhe - Beaulay 400kV Reinforcement
■ Beaulay - Denny 275kV to 400kV Reinforcement
■ Western Isles Link
■ Netherton Hub

Scottish & Southern Electricity Networks
 TRANSMISSION

Pathway to 2030
Community Consultation
 February - March 2024

◆ Statutory Pre-application Consultation (PAC) Event
📍 Public Engagement Event



Liked by **sazzlemac77** and others

sentransmission 📣 We're inviting members of the public to share their views on the next phase of development for four transmission infrastructure schemes across the north of Scotland that will help enable the connection and transportation of vast amounts of new renewable energy around Great Britain.

With over 40 public engagement events planned across the region, find out how you can get involved on our website which you can find through the link in our bio!

[View all 2 comments](#)



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🔔 We're inviting members of the public to share their views on the next phase of development for four transmission infrastructure schemes across the north of Scotland that will help enable the connection and transportation of vast amounts of new renewable energy around Great Britain.

With over 40 public engagement events planned across the region, find out how you can get involved [📍](#)
https://lnkd.in/ehGX_ND3



Statutory Pre-application Consultation (PAC) Event



Public Engagement Event



Beauty - Blackhillock - New Deer - Peterhead 400kV Reinforcement



Kintore - Tealing 400kV Projects



Spittal - Loch Buidhe - Beauty 400kV Reinforcement



Beauty - Deery 275kV to 400kV Reinforcement



Western Isles Link



Wetherston Hub



Scottish & Southern Electricity Networks
TRANSMISSION

**Pathway to 2030
Community Consultation**
February - March 2024

For more information visit the project webpage: www.ssen-transmission.co.uk/projects/2030-projects

👍❤️🗨️ 252 · 5 Comments

👍 Like 🗨️ Comment ➦ Share

From:

[REDACTED] on behalf of [TKUP](#)

Bcc:

Subject:

SSEN Transmission Pathway to 2030 project update: Kintore - Tealing 400kV projects

Date:

14 February 2024 15:33:22

Attachments:

[image001.jpg](#)

Dear Community Council,

We are pleased to announce that the next round of public events for the Kintore-Tealing 400kV projects will be held in March 2024.

These upcoming events consist of:

- The first round of consultation for the Alyth-Tealing and the Tealing-Westfield 400kV overhead lines (OHL), which will be upgraded from 275kV to 400kV.
- Consultations for the Tealing (Emmock) and Hurlie (Fetteresso Forest) substations. These events are the commencement of the formal pre-application process in terms of the Town and Country Planning process for national planning applications. At this stage feedback received during these events are not submissions to the Planning Authority. There will be a further opportunity to provide feedback to the Planning Authority directly, once applications have been submitted.
- Consultations for newly proposed OHL route options D4, D5, E2, E3 and F1.3:
 - D4 & D5 - Laurencekirk to the Proposed Hurlie Substation (at Fetteresso)
 - E2 & E3 - Proposed Hurlie Substation to Rickarton
 - F1.3 - River Dee to Coldstream, by Drumoak
- An update on all other OHL proposed routes, including refined routes following our consultations in May 2023.

If you are unable to attend any of the planned in-person events, all the material that will be on display can also be downloaded from the project documents section of the dedicated project websites at the start of the consultation period.

Please use the below URLs to access the individual project pages:

- Hurlie 400kV substation <https://bit.ly/3HFQOw1>
- Tealing (Emmock) 400kV substation <https://bit.ly/48W3BX7>
- Kintore-Tealing 400kV OHL <https://bit.ly/3w8o9NB>
- Tealing-Westfield 400kV upgrade <https://bit.ly/48bATR1>
- Alyth-Tealing 400kV upgrade <https://bit.ly/42AUk4C>

All events will run from 2-7pm.

Please find the full event list below:

Tealing-Westfield and Alyth-Tealing 400kV upgrade

4 March 2024 **Errol**, Errol Village Hall, North Bank Dykes, Errol, PH2 7QH

5 March 2024 **Newburgh**, Tayside Institute Community Centre, 90-92 High Street, Newburgh, KY14 6DA

6 March 2024 **Alyth**, Alyth Town Hall, Victoria Street, Alyth, PH11 8AX

7 March 2024 **Tealing**, Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW

Tealing (Emmock) substation

7 March 2024 **Tealing**, Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW

Kintore-Tealing 400kV OHL update events

5 March **Tannadice**, Memus Community Hall, Memus, DD8 3TY

6 March **Forfar**, Reid Hall, 163 Castle Street, Forfar, DD8 3HX

7 March **Tealing**, Tealing Village Hall, Hall Road, Inveraldie, Tealing, DD4 0QW

12 March **Brechin**, Brechin City Hall, 9 Swan Street, Brechin, DD9 6EE

13 March **Echt**, Echt Hall, Echt, Westhill, AB32 6UL

Hurlie substation

19 March **Drumlithie**, Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

Kintore-Tealing 400kV new route consultation

14 March **Laurencekirk**, Dickson Memorial Hall, Station Road, Laurencekirk, AB30 1BE

19 March **Drumlithie**, Drumlithie Village Hall, Station Road, Drumlithie, AB39 3YT

20 March **Drumoak**, Drumoak, Durris & Crathes Bowling Club, Sunnyside Avenue, Drumoak, AB31 5EF

21 March **Auchenblae**, Auchenblae Village Hall, Monboddo Street, Auchenblae, AB30 1XQ

Following the events held in May 2023, many enquiries we received were about the need for the projects, the engagement process, environmental considerations, and what alternative technologies may be available. We have compiled 'Frequently Asked Questions' to address many of these points which can be viewed at the following URL <https://bit.ly/3OulwMx>.

I will be in touch ahead of the events commencing to arrange a pre-consultation call. In the meantime, please do not hesitate to contact us via the dedicated project inbox, tkup@sse.com if you have any questions on the events or the project in general.

With kindest regards,

Rhiannon

Rhiannon Merritt | Community Liaison Manager

SSEN Transmission

10 Henderson Road, Inverness, IV1 1SN

ssen-transmission.co.uk



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You can unsubscribe at any time from receiving emails by clicking on the link [unsubscribe](#)

Community laps up new fitness trail

BY MORAG LINDSAY

The Aberfeldy community celebrated the official launch of its new Feldy Roo Fitness Trail with an action-packed day of activities.

Aberfeldy Rugby Club invited locals to join them on a walk from Land's End to John o' Groats and back again - without even leaving the village.

The team calculated it needed 1,748 mile-long laps from everyone in the community between 8am and 8pm on Saturday to hit the total.

The challenge was in aid of the My Name's Daddie Foundation.

Attractions included a bar and barbecue with music and stalls.

The fitness trail is the latest community project from the Feldy Roo group, which was set up to deliver thousands of hot meals across Highland Perthshire at the height of the pandemic.



Judy Ewer with dog on the trail.



ON YOUR MARKS: The Aberfeldy activities included a 5k run; below left, runners register for the event; below right, Feldy Roo founder Gavin Price, left, and Aberfeldy RFC chairman Laurie Dempster.



Emmock 400kV Substation

Feedback events

We are pleased to be hosting a second public Pre-Application Consultation (PAC) event on our proposed Emmock substation, following our initial event in March 2024 and feedback period which closed on 15 April 2024.

We are holding these events to present a summary of feedback received at and following our first PAC event. At these events we will present our developing design proposals again, which will form the basis of a planning application for submission.

To enable the growth in renewable developments needed to facilitate the country's drive towards net zero, investment in our network infrastructure across the north of Scotland is required to connect this power and transport it to areas of demand.

As part of this investment, a new 400kV substation is required, near to the existing Tealing substation, which we are calling Emmock. This substation will connect into the new proposed Kintore to Tealing 400kV overhead line.

During our drop-in events you will be able to view further information about our proposed substation site, meet the team, and ask questions. The feedback period will remain open until 17 July 2024.

Any comments made to us as the Applicant are not representations to Angus Council as the planning authority. There will be opportunity to make formal representations to the planning authority following the submission of the planning application.

Scottish & Southern
Electricity Networks

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The events will be held on:

Wednesday 5 June, 2-7pm

Tealing Village Hall, Tealing, DD4 0QW

Thursday 6 June, 2-7pm

Tealing Village Hall, Tealing, DD4 0QW

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt

10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

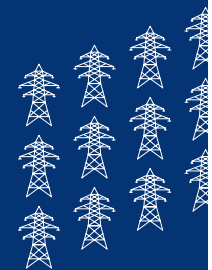
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Emmock 400kV:



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



NEWS

Supermarket sweep open to Forfar shoppers

Mark Dowie
mark.dowie@nationalworld.com

Aldi's Supermarket Sweep challenge is giving customers in Forfar the chance to raise funds for a local food bank of their choice.

The supermarket challenge, inspired by the celebrated game show, is sure to add excitement to the weekly shopping experience. As well as fundraising, Forfar locals have the chance to take home their favourite items from Aldi's store on Craig O' Loch Road.

Shoppers have the opportunity to take part in a five-



Potential sweepers have until Sunday to apply.

minute trolley dash, allowing them to gather as many Aldi favourites as they can. The company will then donate the cash value of the trolley's contents to a local food bank. The sweeper can double the donation and take home



a SpecialBuy item of their choice if they find the hidden inflatable in-store. Forfar residents can apply until Sunday (May 26).

Graham Nicolson, regional managing director, said: "We are excited to offer

one lucky Forfar resident the chance to enjoy a truly unique supermarket experience.

"At Aldi Scotland, we recognise the essential work that foodbanks do across Scotland, especially during these challenging times. Our commitment to supporting this work is stronger than ever, with over £10,000 donated to foodbanks through our Supermarket Sweep initiative in 2023."

Entry is free and customers can apply in-store or by emailing supermarketsweep@aldi.co.uk. Entrants must be available to take part after stores close at 10pm on their chosen date.



Committee members are picture at the AGM. (Wallace Ferrier)

Reach Across AGM

The Annual General Meeting of the mental health charity Reach Across was held recently at its premises at Guthrie Port in Arbroath.

Reach Across is now one of the leading mental health charities in Angus, helping families, and friends who have experienced the loss of a loved one due to suicide, and those who endure loneliness, stress or anxiety, or perhaps just want someone to talk to, and get involved in the community.

Its activities include health walks, relaxation classes and men's and women's groups. It also continues to be self-funding.

Special guest at the AGM was psychologist Doctor Lucy Paterson, while guest speakers were Linda Paxton and Dianne Robb who have both experienced the loss of a loved one and both of whom were helped and supported Reach Across. Details about Reach Across can be found at <https://www.reachacross.org.uk/>

Emmock 400kV Substation



TRANSMISSION

Feedback events

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Wednesday 5 June, 2-7pm
Tealing Village Hall, Tealing, DD4 0QW

Thursday 6 June, 2-7pm
Tealing Village Hall, Tealing, DD4 0QW

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt
10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

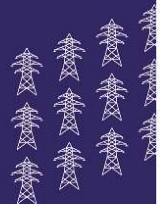
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3 Jun · 🌐

📅 We're once again inviting members of the public to come along and engage with us at our latest round of public engagement events. Later this week, we're hosting **#consultation** events for the Emmock 400kV Substation project and if you stay in the area and want to find out more, or have your voice heard, then please come along.

➔ During our drop-in event you will be able to view further information about our proposed works, meet the team, ask questions and share feedback.

Find out more or register for project updates at:
 Emmock 400kV Substation - <https://www.ssen-transmission.co.uk/projects/project-map/emmock-400kv-substation/>

Emmock 400kV Substation



Feedback events

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The events will be held on:

Wednesday 5 June, 2-7pm
Tealing Village Hall, Tealing, DD4 0QW

Thursday 6 June, 2-7pm
Tealing Village Hall, Tealing, DD4 0QW

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt
10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

📧 @ssentransmission

📱 @SSETransmission

Emmock 400kV:



Find out more and register for project updates, visit the project website by scanning the QR code, or use the following URL:
[ssen-transmission.co.uk/emmock](https://www.ssen-transmission.co.uk/emmock)

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08:21



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SSENTRANSMISSION Posts



Liked by **lauren.riach** and others

ssentransmission Last week we celebrated the official ground-breaking for Sumitomo Electric Industries' new cable manufacturing facility in Nigg - the first and... more

21 May



ssentransmission



- Ready - Blackthorn - New Deer - Potholm 400kV Reinforcement
- Not Started - Tealing 400kV Project
- Not Started - Loch Rieoch - Inver 400kV Reinforcement
- Ready - Denny 275kV to 400kV Reinforcement
- Redaction link

- Stakeholder Pre-application Consultation (PAC) Events
- Public Engagement Events



Number/Area	Date	Time	Location	PAC Substation
1. Maud	Mon 20 May	3 - 7pm	Maud Village Hall	
2. Comptonston	Tue 21 May	2 - 7pm	Comptonston Community Hall	Genies
3. Longside	Wed 22 May	2 - 7pm	Longside Parish Church Hall	Northton
4. New Deer	Thu 23 May	2 - 7pm	New Deer Public Hall	Genies
5. Spittal	Mon 27 May	3 - 7pm	Balcan Special Centre	
6. Cairn	Tue 28 May	2 - 7pm	Cairn Memorial Hall	Coachford
7. Huntly	Wed 29 May	2 - 7pm	Stewart Hall	Coachford
8. Keith	Thu 30 May	2 - 7pm	Langmore Hall	Coachford
9. Inverkeithing	Mon 3 Jun	2 - 7pm	Bois Institute	Barnies
10. Errol	Mon 3 Jun	2 - 7pm	Errol Village Hall	
11. Newburgh	Tue 4 Jun	2 - 7pm	Tayside Institute Community Centre	
12. Spittal	Tue 4 Jun	10am - 11pm	Spittal Village Hall	
13. Helmsdale	Tue 4 Jun	3 - 7pm	Helmsdale Community Centre	
14. Kemnay	Tue 4 Jun	3 - 7pm	Kemnay Hall	
15. Tealing	Wed 5 & Thu 6 Jun	2 - 7pm	Tealing Village Hall	Tealing
16. Dalry	Wed 5 Jun	3 - 7pm	Dalry Headwaters Institute	
17. Dundee	Wed 5 Jun	3 - 7pm	Dundee Community Centre	
18. Ayth	Thu 6 Jun	2 - 7pm	Ayth Town Hall	
19. Invermay	Thu 6 Jun	3 - 7pm	Invermay Hall	
20. Rogart	Thu 6 Jun	10am - 3pm	Rogart Village Hall	
21. Innes	Thu 6 Jun	4 - 7pm	Boys Scout and Guide Hall	
22. Bonar Bridge	Mon 10 Jun	3.30 - 8.30pm	Bonar Bridge Community Hall	Carnagy
23. Auchincloss	Mon 10 Jun	2 - 7pm	Auchincloss Village Hall	
24. Anderson	Tue 11 Jun	3 - 7pm	Anderson Community Hall	
25. Drumethie	Tue 11 Jun	2 - 7pm	Drumethie Village Hall	Hartle
26. Cairn	Wed 12 Jun	10am - 1pm	Cairn Village Hall	
27. Marybank	Wed 12 Jun	3 - 7pm	Marybank Memorial Hall	
28. Kinross	Wed 12 Jun	3.30 - 5.30pm	Branch Village Hall	Cambusvennie
29. Stonehaven	Thu 13 Jun	2 - 7pm	Stonehaven Town Hall	
30. Carn	Thu 13 Jun	10am to 4pm	Carn Village Hall	
31. Strathgaffney	Thu 13 Jun	3 - 7pm	Strathgaffney Pavilion	
32. Carnoch	Tue 18 Jun	2 - 7pm	Carnoch Hall	Bingelly
33. Collieston	Tue 18 Jun	10am - 1pm	Collieston Visitor Centre	
34. Inverness	Tue 18 Jun	3 - 7pm	Kingmill Hotel	
35. Newby	Wed 19 Jun	2 - 7pm	Pygmy Hall	Fanellan
36. Kilsythly	Thu 20 Jun	2 - 7pm	Kilsythly Village Hall	Fanellan

For more information visit the project webpage: www.ssn-transmission.co.uk/projects/2030-projects



Liked by **obinnam44** and others

ssentransmission ⚡ Our public engagement events are underway, and we'd love to see you there!

We're inviting members of the public to share their views on the next phase of development for four transmission infrastructure schemes across the north of Scotland that will help enable the connection and transportation of vast amounts of new renewable energy around Great Britain.

👉 With 36 public engagement events planned across the region, find out how you can get involved on our website, link in our bio!

20 May





SSEN Transmission

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81 We're once again inviting members of the public to come along and engage with us at our latest round of public engagement events. Later this week, we're hosting **#consultation** events for the Emmock 400kV Substation project and if you stay in the area and want to find out more, or have your voice heard, then please come along.

→ During our drop-in event you will be able to view further information about our proposed works, meet the team, ask questions and share feedback.

Find out more or register for project updates at: Emmock 400kV Substation - <https://lnkd.in/ebW3fVQK>

Emmock 400kV Substation



Feedback events

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During our drop-in events you will be able to view further information about our proposed substation site, meet the team, and ask questions. The feedback period will remain open until 17 July 2024.

Any comments made to us as the Applicant are not representations to Angus Council as the planning authority. There will be opportunity to make formal representations to the planning authority following the submission of the planning application.

The events will be held on:

Wednesday 5 June, 2-7pm
Tealing Village Hall, Tealing, DD4 0QW

Thursday 6 June, 2-7pm
Tealing Village Hall, Tealing, DD4 0QW

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt
10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

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@SSETransmission

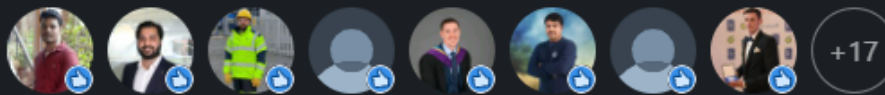
Emmock 400kV:



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

25

Reactions



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Add a comment...



From: TKUP (tkup@sse.com)
Sent: 22/05/2024 15:41:30
To: Emmock CC Distribution List (Email)
Subject: Emmock 400kV Substation- Second Substation Pre-Application Consultation Events
Body:
Good afternoon,

I am emailing to advise of upcoming public engagement events for our Emmock 400kV substation project (previously referred to as Tealing 400kV).

What we're engaging on

We will be hosting a second public Pre-Application Consultation (PAC) event on our proposed Emmock 400kV substation, following our initial events in March 2024 and feedback period which closed on 15 April 2024.

We are holding this event to present our proposed design for planning submission, following feedback received from the first PAC event and ongoing design developments. We will also present our responses to feedback received as part of the statutory consultation, which is required for planning applications.

During our face-to-face drop-in events you will be able to view further information about our proposed substation site, meet the team, and ask questions. The feedback period will remain open until 17 July 2024.

The events will take place on:

Wednesday 5 June - Tealing Village Hall, Tealing – 2-7pm
Thursday 6 June - Tealing Village Hall, Tealing – 2-7pm

Please see our attached poster or visit our events page for more details.

Advertising the events

We have issued a mailshot to local properties advising of the events, and we are also advertising in The Courier and Angus County Press. We will be 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 of the information we'll be sharing at the events will be available to download from the 'Project 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 'Project 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.

Kind regards
Louise

Louise Anderson | Lead Community Liaison Manager
SSEN Transmission
200 Dunkeld Road, Perth, PH1 3GH

APPENDIX E MAIL ADVERTISEMENTS AND LETTERS

19 February 2024

Dear Resident,

SSEN Transmission Kintore to Tealing 400kV Projects

SSEN Transmission are pleased to be hosting a series of public events regarding the Kintore to Tealing 400kV projects, which includes new 400kV substations in Fetteresso Forest (Hurlie) and at Tealing and a new 400kV overhead line (OHL) which will connect both sites to the existing 400kV substation at Kintore.

We previously consulted on these projects in May 2023 and these upcoming events commences the pre-application process in the Town and Country planning process for national planning applications for the substations.

I am contacting you as the substation sites identified and the potential routes to connect them, are within a 10km radius of your address and we wanted to invite you to attend the events to meet the project team and find out more about the proposals.

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

If you are unable to attend any of the 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:

Hurlie 400kV substation <https://bit.ly/3HFQOw1>

Tealing 400kV substation <https://bit.ly/48W3BX7>

Following the May 2023 events many inquiries we received were about the need for the projects, the engagement process, environmental considerations, and what alternative technologies may be available. We have compiled 'Frequently Asked Questions' to address many of these points which can be viewed at the following URL <https://bit.ly/3OulwMx>

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 at TKUP@sse.com if you have any questions or queries pertaining to any of the above information or the project in general.

Yours faithfully,

Rhiannon Merritt

Rhiannon Merritt
Community Liaison Manager

Kintore to Tealing 400kV Projects

Pre-application consultation events

We are holding statutory pre-application consultation events for our proposed substations; Hurlie in Fetteresso Forest and Tealing (Emmock). The pre-application process is a key first step in the Town and Country planning process for national planning applications.

To support the growth in renewable developments across the north of Scotland, which are supporting the country's drive towards net zero, investment in our network infrastructure is needed to connect this power and transport it to areas of demand.

As part of this investment, new 400kV substations are required at Fetteresso Forest and at Tealing, near to both the existing Fetteresso and Tealing substations. These substations will connect into the new proposed Kintore to Tealing 400kV overhead line.

During our drop-in events you will be able to view further information about our proposed substation sites, meet the team, ask questions and share feedback ahead of our second public events.

We will also be consulting on new routes proposed following the publication of our Report on Consultation in December 2023 as well as the sections of existing overhead line that require to be upgraded between Alyth to Tealing and Tealing to Westfield.

[More information overleaf.](#)



Hurlie 400kV:



Tealing 400kV:



Find out more and register for project updates, visit the project website by scanning the QR code, or use the following URLs:

<https://bit.ly/3HFQOw1>

<https://bit.ly/48W3BX7>

This map shows the proposed Kintore - Tealing overhead line, including new 400kV substations at key locations and an upgrade to the existing Alyth - Tealing and Tealing - Westfield overhead lines.



The overhead line reconductor events will be held on:

Monday 4 March, 2–7pm

Errol Village Hall, Errol

Tuesday 5 March, 2–7pm

Tayside Institute Community Centre, Newburgh

Wednesday 6 March, 2–7pm

Alyth Town Hall, Alyth

Thursday 7 March, 2–7pm

Tealing Village Hall, Tealing

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt

SSEN Transmission, 10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

 @ssentransmission

 @SSETransmission

The substation and new overhead line events will be held on:

Tuesday 5 March, 2–7pm

Memus Community Hall, Memus

Wednesday 6 March, 2–7pm

Reid Hall, Forfar

Thursday 7 March, 2–7pm

Tealing Village Hall, Tealing

Tuesday 12 March, 2–7pm

Brechin City Hall, Brechin

Wednesday 13 March, 2–7pm

Echt Village Hall, Echt

Thursday 14 March, 2–7pm

Dickson Hall, Laurencekirk

Tuesday 19 March, 2–7pm

Drumlithie Village Hall, Drumlithie

Wednesday 20 March, 2–7pm

Drumoak Bowling Club, Drumoak

Thursday 21 March, 2–7pm

Auchenblae Village Hall, Auchenblae

07 May 2024

Dear Resident,

SSEN Transmission Kintore to Tealing 400kV Projects - – Substation and existing overhead line upgrade engagement events

Between 4 to 21 March 2024, we held the first of two statutory pre-application consultation (PAC) events for our proposed 400kV substations in Fetteresso Forest and at Tealing as well as holding the first of two series of public consultation events in relation to the Section 37 consent application for the upgrade of the Alyth to Tealing and Tealing to Westfield overhead line from 275kV to enable operation at 400kV.

I am contacting you to advise that SSEN Transmission will soon be hosting the next series of public consultation events throughout June 2024 for both Emmock and Hurlie substations and the Alyth to Tealing and Tealing to Westfield overhead line upgrade projects.

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

If you are unable to attend any of the 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:

Hurlie 400kV substation ssen-transmission.co.uk/hurlie

Emmock substation ssen-transmission.co.uk/emmock

Alyth-Tealing upgrade ssen-transmission.co.uk/alyth-tealing

Tealing-Westfield upgrade ssen-transmission.co.uk/tealing-westfield

New Kintore – Tealing 400kV overhead line:

Following the consultations on the new proposed Kintore-Tealing overhead line 400kV project, we recently confirmed that we are actively considering overhead line alignments proposed by community representatives and landowners around Careston, Drumoak and Echt and as such to ensure all viable alignments are fully assessed, the new overhead line alignment consultation will now take place later in the year.

Our June 2024 consultation events will focus on our new substations and existing overhead line upgrade projects. There will not be further information presented on the Kintore – Tealing overhead line 400kV project at the upcoming June events whilst we explore stakeholder proposed alignments.

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.

Do not hesitate to contact me directly on tkup@sse.com if you have any questions or queries pertaining to any of the above information or the projects in general.

Yours faithfully,

Rhiannon Merritt

Rhiannon Merritt
Community Liaison Manager

Emmock 400kV Substation

Feedback events

We are pleased to be hosting a second public Pre-Application Consultation (PAC) event on our proposed Emmock substation, following our initial event in March 2024 and feedback period which closed on 15 April 2024.

We are holding this event to present a summary of feedback received at and following our first PAC event. At this event we will present our developing design proposals again, which will form the basis of a planning application for submission.

To enable the growth in renewable developments needed to facilitate the country's drive towards net zero, investment in our network infrastructure across the north of Scotland is required to connect this power and transport it to areas of demand.

As part of this investment, a new 400kV substation is required, near to the existing Tealing substation, which we are calling Emmock. This substation will connect into the new proposed Kintore to Tealing 400kV overhead line.

During our drop-in events you will be able to view further information about our proposed substation site, meet the team, and ask questions. The feedback period will remain open until **17 July 2024**.

Any comments made to us as the Applicant are not representations to Angus Council as the planning authority. There will be opportunity to make formal representations to the planning authority following the submission of the planning application.



More information overleaf.

This map shows the proposed Kintore–Tealing overhead line, including new 400kV substations at key locations and an upgrade to the existing Alyth–Tealing and Tealing–Westfield overhead lines.



The event will be held on:

Wednesday 5 June, 2–7pm

Tealing Village Hall, Tealing, DD4 0QW

Thursday 6 June, 2–7pm

Tealing Village Hall, Tealing, DD4 0QW

If you have any questions, please do not hesitate to contact our Community Liaison Manager:

Rhiannon Merritt

10 Henderson Road, Inverness, IV1 1SN

Email: tkup@sse.com

 [@assentransmission](https://www.instagram.com/assentransmission)

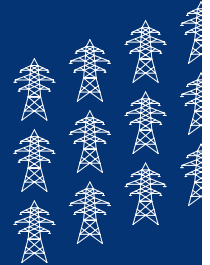
 [@SSETransmission](https://twitter.com/SSETransmission)

Emmock 400kV:



Find out more and register for project updates, visit the project website by scanning the QR code, or use the following URL:

ssen-transmission.co.uk/emmock



APPENDIX F CONSULTATION BOOKLET MARCH 2024



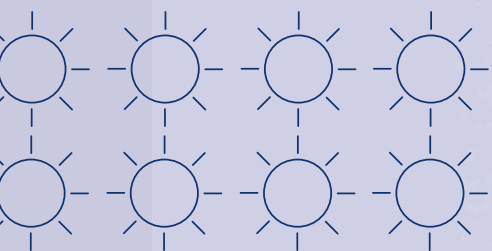
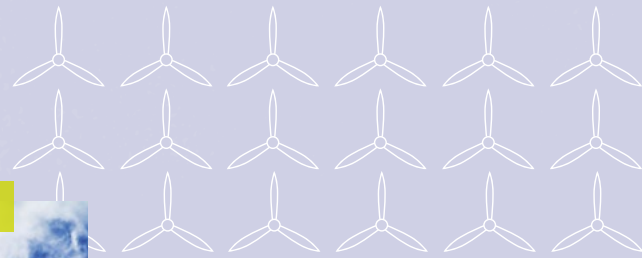
Scottish & Southern
Electricity Networks

TRANSMISSION

Tealing (Emmock) 400kV Substation

Pre-Application Consultation

March 2024



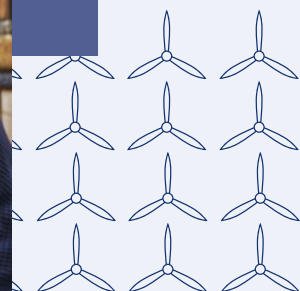
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The consultation events will be taking place on:

7 March 2024 - Tealing, Tealing Village Hall – 2pm-7pm

5 June 2024 - Tealing, Tealing Village Hall – 2pm-7pm



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 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 (OHL) 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 our host 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.

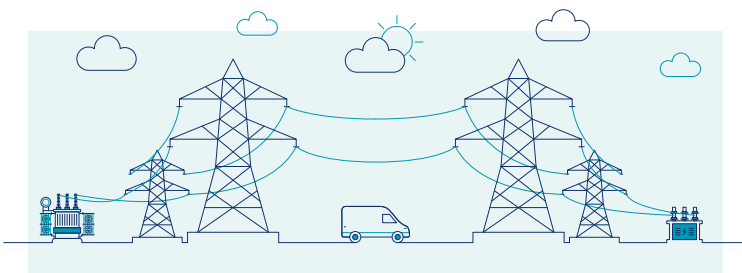
As part of these plans, we're proposing to build a new 400kV OHL between Kintore and Tealing. This also requires two new 400kV substations to be constructed in Fetteresso Forest and at Tealing to enable future connections and export routes to areas of demand.




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 Tealing 400kV site.

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

These five projects:

- Kintore - Tealing 400kV OHL
- Hurlie 400kV substation
- Emmock 400kV substation
- Alyth - Tealing 400kV upgrade
- Tealing - Westfield 400kV upgrade



-  New infrastructure
-  Upgrade/replacement of existing infrastructure
-  Existing network



Project overview

We're leading some exciting 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, and quickly.

There are five key projects, with all the details on what we're doing for each below.

The new 400kV OHL between Kintore and Tealing

Based on the requirements outlined in National Grid ESO's Pathway to 2030 Holistic Network Design we have developed proposals to reinforce the transmission system. As part of this we are proposing to establish a new 400kV OHL between Kintore and Tealing.

This requires two new 400kV substations to be constructed to connect to this new OHL, one at Fetteresso Forest in Aberdeenshire and one near the village of Tealing in Angus to enable required future connections and export routes to areas of demand.

In addition, two existing OHLs out of Tealing substation to Alyth and Westfield in Fife will be upgraded to operate at 400kV and connected into the new Emmock 400kV substation.

While they have been presented in combined consultation events in May last year, they are separate projects and will be progressed through separate consultation and consenting processes.

New and upgraded OHL connections

The new Kintore to Tealing OHL will connect from the north of the proposed substation site. This will be a new 400kV line supported by new towers. Towers would be 57m in height on average, although tower heights may be increased where local topography dictates in order to achieve sufficient clearance distances.

- The existing 275kV OHL from Alyth to the existing substation will be upgraded and connect to the new proposed substation from the northwest. This will require the construction of approximately 1.5km of new OHL to connect the existing OHL to the new substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will also allow the removal of approximately 3.5km of existing OHL.
- The existing 275kV OHL to Westfield, which connects Scottish Power Transmission's (SPT) infrastructure to the existing Tealing substation, will be upgraded and connect to the new proposed substation. This will connect from the south west. This will require approximately 0.5km of new OHL to connect the existing OHL to the new substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will leave approximately 1.5km of redundant OHL.
- The new 400kV substation and the existing 275kV substation need to be connected to each other. The proposal is to use the 1.5km section of Tealing Westfield OHL which will become redundant when it is upgraded to 400kV. This will likely require a short section of additional OHL but significantly less than if a new build solution was implemented. There is also likely to be a requirement for an additional OHL circuit between the two sites and this will likely be approximately 1km of new OHL on towers approximately 50m tall.

Tealing (Emmock) 400kV substation

This consultation is focused on the proposal to build a new 400kV substation required near Tealing. The new substation will be located approximately 1km northwest of the existing 275kV substation at Tealing.

The new proposed substation will be an outdoor, Air Insulated Switchgear (AIS), 400kV substation.

The electrical equipment will sit on a development platform approximately 675m x 300m.

The overall size of the new substation is influenced by a range of factors, including:

- Plant and equipment required for current network plans.
- Space provision required future renewable energy generation projects.
- Areas for drainage, landscaping/screening and habitat enhancement.
- Permanent and temporary access roads.
- Temporary areas required during construction for laydown and welfare.

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 consulted with you.

We will also provide some visualisations and maps to show you where everything will be located.

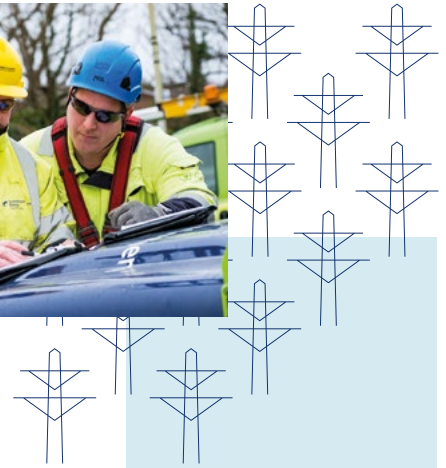
We want you to share your thoughts and opinions on our plans, where you think we can make improvements, concerns about the impact of our work and what you think of any changes and refinements we've made.

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.

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

Who we are consulting with

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 (SF).



How we've selected the substation site

Our site selection process makes sure the design, consenting, construction and operation of our projects are undertaken in a manner, which on balance, causes the least disturbance to the environment and the local community, while ensuring the solution taken forward is economically and technically practical.

To do this we follow an internal process supported by third party environmental and technical experts.

This has many key stages, each increasing in detail and definition and bringing technical, environmental, people, and cost considerations together to find a balanced outcome.

Nine site options were identified within a 5km Area of search, which centred on the existing Tealing substation, and assessed for suitability based on factors including size, access, topography and the nature of technical and environmental constraints.

From this list, two potential sites (Sites 4 (land at Balkemback Farm and 7 (land at North of Mains of Boldovan)) were identified as suitable for further appraisal.

This second stage involved more detailed consideration of the environmental, engineering and likely cost constraints based on further desk assessment, site inspection by engineering and environmental specialists and initial enquires to landowners.

The appraisal concluded that there was little to distinguish between the shortlisted sites, the principal factors being the relative level of cultural heritage constraint, the works necessary to rationalise existing OHL connections and the associated costs.

While site 7 was preferred by being further from cultural heritage features, the fact that there are fewer properties, fewer technical challenges and lower development around site 4 makes it preferable.

Further detail on why Site 4 was selected can be found in our Consultation Document published 9 May 2023.

Our proposed site: Site 4 - Emmock

Following our last consultation on the proposed Tealing substation in May 2023, where we asked for your views regarding shortlisted sites, in December 2023 we confirmed that the site we were proposing to progress with was Site 4.

What has changed since we last consulted?

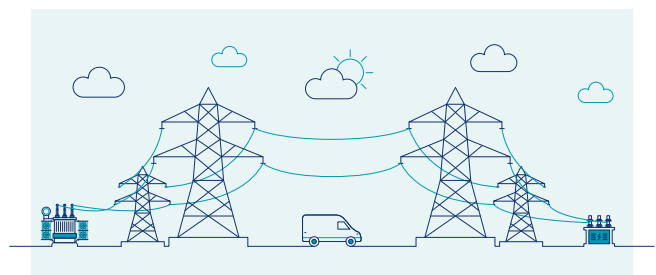
Since our last consultation, we have analysed and reported on the consultation findings, which have allowed us to confirm the proposed site which will now be taken forward into the planning process. We have continued to develop our environmental analysis and have appointed specialist substation designers to start to optimise the substation design, to reduce its size and visibility and maximise opportunities for biodiversity gain.

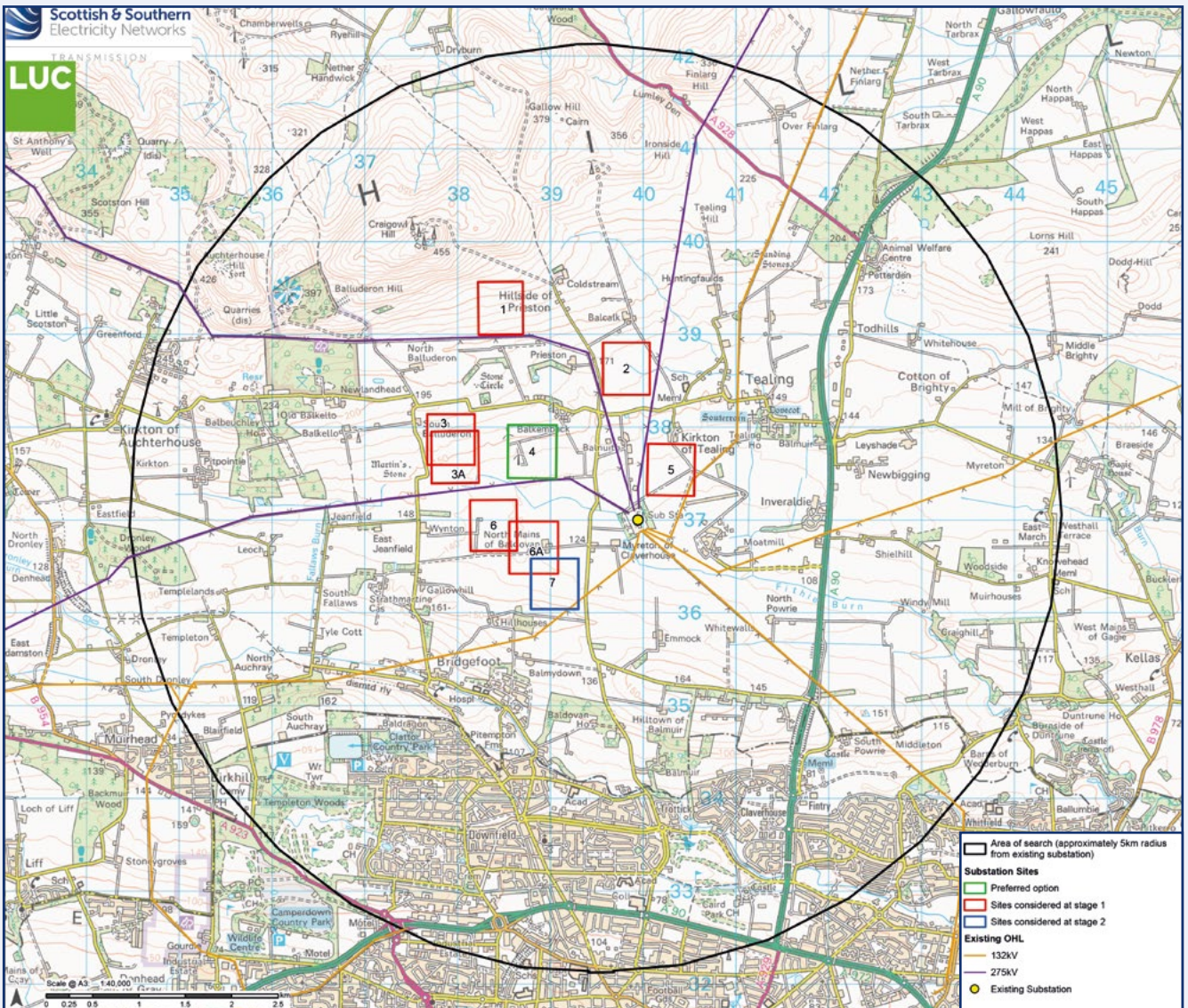
Naming our site

To avoid confusion with the nearby Tealing 275kV substation, Emmock 400kV substation was chosen which recognises the proximity to the nearby Emmock Road. Going forward, for the next consultation and submission of our planning application, the name will be formally changed to Emmock 400kV substation.

What next?

We are now at the formal 'pre-application stage of our consultation process. We will consult again in June 2024, to share feedback from this consultation and any subsequent changes to design, prior to submitting a planning application to Angus Council at the end of the summer.

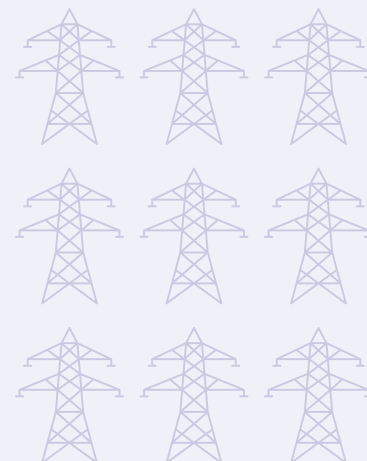




Why this site?

The consultation process, held last year, confirmed that the proposed site 4 for the Emmock 400kV substation is most appropriate to be progressed through the Environmental Impact Assessment and subsequent consenting stages:

- There are fewer residential properties in close proximity to the site.
- Nearby cultural heritage assets identified are unlikely to be adversely impacted by the development.
- The Site offers efficient connections to the existing Tealing substation, reusing redundant sections.
- The requirement of new infrastructure needed to connect upgraded existing circuits is minimised.
- The location allows over 3km of existing 275kV OHL to be removed.



The Town and Country Planning process

The legislation that enables the planning of projects like Emmock 400kV substation is the Town and Country Planning (Scotland) Act 1997.

Engaging the right people

Local Planning Authorities determine the outcome of any applications made under the Town and Country Planning Act and establish the planning pathway our substation projects must take, including which consents are required.

The Emmock 400kV substation project is classed as "National Development" under the Town and Country Planning process; therefore, pre-application consultation is required with the public and interested parties.

The Pre-Application Consultation process

A Proposal of Application Notice (PAN) was submitted to Angus Council on 31 January 2024. This is the first stage in the planning application process, and the beginning of a consultation period that must allow for at least 12 weeks between the start of the pre-application consultation and feedback, and submission of a planning application.

The plans we are consulting on at this event might change between now and the submission of a planning application. The red line boundary that has been submitted with the PAN represents the maximum extent of the land potentially included in the application site, but this area may be reduced or rationalised as the development proposal becomes finalised.

There is a requirement to hold at least two events to provide the opportunity for members of the public to comment on the proposals. This public event is the first event. A second event will be held on 5 June 2024, in Tealing Village Hall at which feedback will be given on the views obtained at the first event. There will also be a short opportunity for comment after this second event and comments will be included in a Pre-application Consultation (PAC) Report.

Submitting a planning application

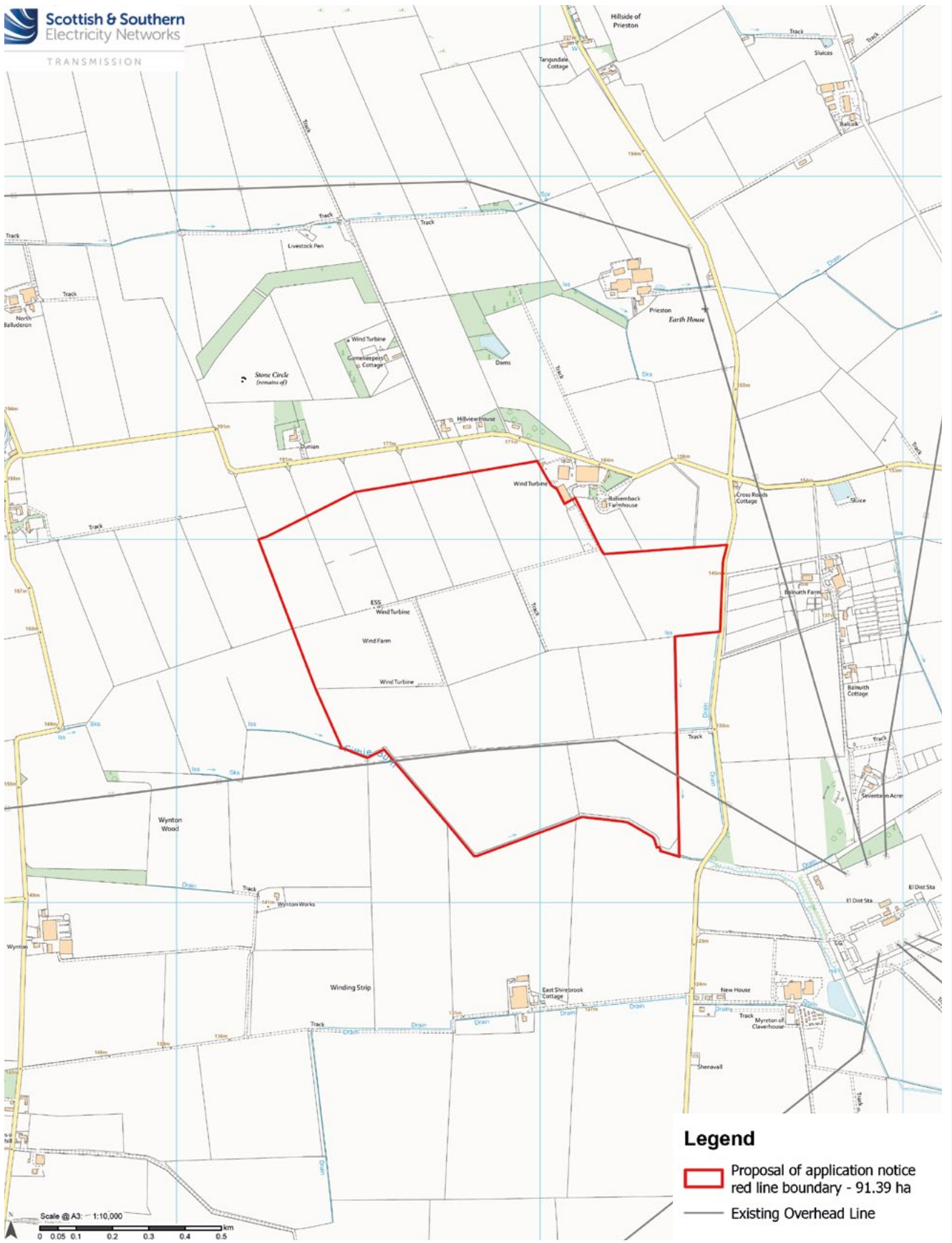
The planning application is due to be submitted to Angus Council in late summer 2024.

A Pre-application Consultation Report will accompany the planning application providing details of the consultation undertaken and communicating how the consultation process has influenced the proposed development. Where comments are received that cannot be addressed in the final proposal, an explanation will also be given why this is the case.

Comments made through the pre-application consultation process are not formal representations to Angus Council. When the planning application is submitted there will be an opportunity to make formal representations to Angus Council.



TRANSMISSION



Legend

- Proposal of application notice red line boundary - 91.39 ha
- Existing Overhead Line

Environmental considerations

The potential environmental impacts discussed below will be assessed as part of the Environmental Impact Assessment (EIA), which will accompany the planning application to Angus Council. The EIA Report will be available for members of the public to view and comment on as part of the planning process and the determination of the application by Angus Council

Cultural heritage

The proposed substation is likely to be visible from a number of Scheduled Monuments and listed buildings. This will be confirmed by full assessment as part of the Environmental Impact Assessment (EIA) process, which will consider both impacts associated with the substation and in combination with the new overhead transmission line and propose measures to avoid or reduce cultural heritage impacts if necessary.

Terrestrial ecology and ornithology

The nearest nature conservation designated site is Auchterhouse Hill Site of Special Scientific Interest (SSSI), over 2km north-west of the proposed site. An impact upon the SSSI is not anticipated.

While the Site is some 8km north of the Firth of Tay and Eden Special Protection Area (SPA) designated for non-breeding greylag and pink-footed geese and will not impact the SPA directly, it does lie within the foraging distance for geese and this will be recognised during the EIA process.

Also of relevance are the Outer Firth of Forth and St. Andrews Complex SPA, 8km south, Loch of Kinnordy SPA 16km and Loch of Lintrathen SPA 20km from the Site respectively.

The Outer Firth of Forth SPA is predominantly designated for its breeding and non-breeding seabird species (including herring gull which can forage up to 15 – 20 km). Although designated for its breeding seabird species, the herring gull can travel inland to feed.

Much of the Site has low conservation value, being predominantly arable land. There is some riparian habitat along the Fithie Burn which has potential for use by otters. It is also possible that badgers could use the fields within the Site for foraging.

While the Site is not particularly constrained in ecological or ornithological terms, the EIA process will include detailed assessments of ecological and ornithological impacts, both from the proposed substation and in combination with OHL. In turn, these assessments will inform the need for impact mitigation.

As described on page 18, we are committed to creating greater biodiversity than provided by the site currently. This will include new habitat creation and species-rich planting in the landscape and drainage designs.

Other mitigation may also be necessary, such as avoiding certain construction activities at sensitive periods. Habitat and Species Management Plans will be implemented during construction and operations.

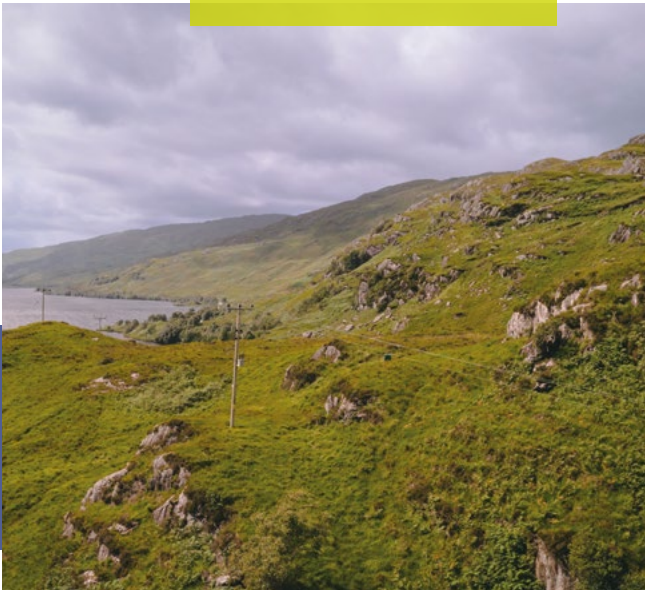
Noise and vibration

The Site is largely rural. The main noise sources experienced by those living in the vicinity of the Site and along the minor roads serving the area will be traffic, although it is likely there will be some local and occasional noise from farm vehicles and machinery.

During construction, noise and possibly vibration may be experienced by properties close to the Site from the movement of construction equipment, and certain activities (earthworks). The adoption of standard construction methods will ensure the level of off-site construction noise is kept to a minimum.

Baseline noise levels will be measured using techniques and at locations agreed with Angus Council.

A detailed noise and vibration impact assessment will be undertaken as part of the EIA, which will model possible levels of noise based on the equipment specified for the substation and define the measures necessary to attenuate (mitigate) noise so that significant impacts at nearby properties are not experienced.



Traffic

While the primary access routes will be from the A90, local access to the site will be via the minor roads from the A90, via Emmock Road to the south and via Tealing to the north.

A detailed construction traffic route assessment will be undertaken, as part of the EIA, to define route options with least impact, and will include determining how the amenity of properties close to the roads can be protected and what road improvements or modifications may be required.

A detailed Transport Impact Assessment, which will also include consideration of road safety, impacts to other road users and community impacts will be submitted as part of the planning application.

Water environment

The Fithie Burn flows in an easterly direction along the southern boundary of the Site.

A small drain, which drains agricultural land, is present in the eastern part of the site, approximately 165m east of the proposed substation platform. A larger tributary discharges flow from a culvert and then runs south along the edge of the unclassified road east of the Site before entering the land drain upstream of the Fithie Burn.

SEPA future flood maps show a risk of future flooding from the Fithie Burn and from the tributary in the next 200 years however, no part of our proposed site falls within the flood risk area.

Modelling of the Fithie Burn and the unnamed tributary in the eastern part of the Site is being carried out to inform the design. There are no Private Water Supplies within the Site.

Landscape and visual assessment

The Site is not located in or close to any national, regional or locally designated landscapes.

The landscape is characterised by lowland open, medium-scale farmland which is predominantly productive arable land use with. The local area already accommodates significant infrastructure, notably the existing Tealing substation and the Seagreen convertor station.

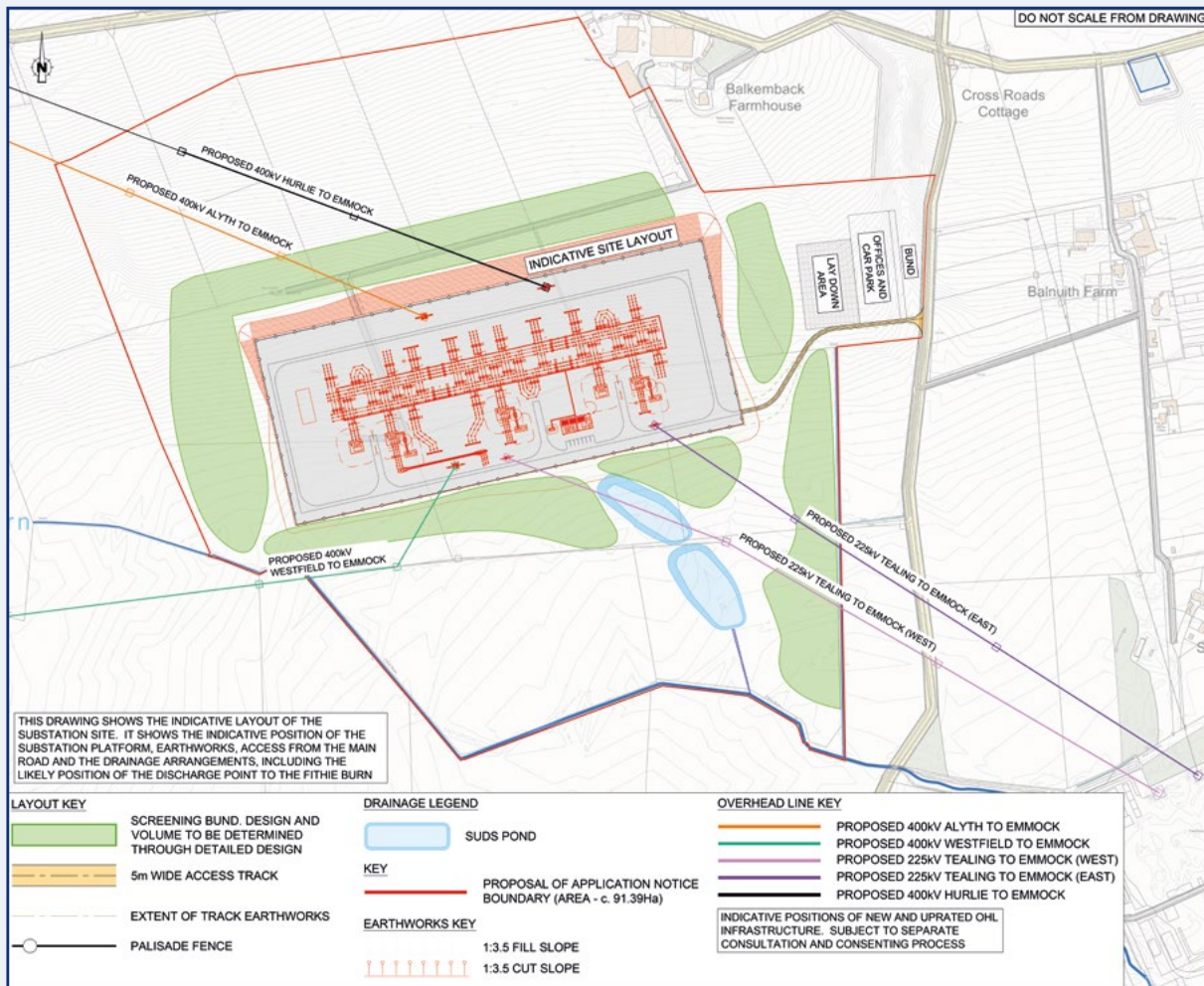
The site falls very gradually from north to south with an elevation change of approximately 25m. Fields units are large, under both arable and pasture with some fields separated by drystone dykes. The site is open to adjacent farmland in all directions. Tree cover is limited to occasional deciduous trees along one field boundary within the southern extent of the site. There are two small wind turbines on the site.

There are properties and associated farm buildings at Balkemback located to the north-east of the site with further properties in the wider vicinity.

The landscape plan on page 13 has been designed to reduce the visual impact of the substation on these receptors, as indicated by the indicative visualisations on page 15.

Plans will be developed further through the landscape and visual impact assessment, conducted as part of the EIA, which will also consider the possibility of cumulative impacts with the new overhead transmission line.

Proposed substation layout



The substation footprint has been positioned to optimise the amount of cut and fill needed to create a level development platform, the opportunity to screen the substation particularly from the north and east, the need to manage surface run off and to ensure the viability of the remaining fields.

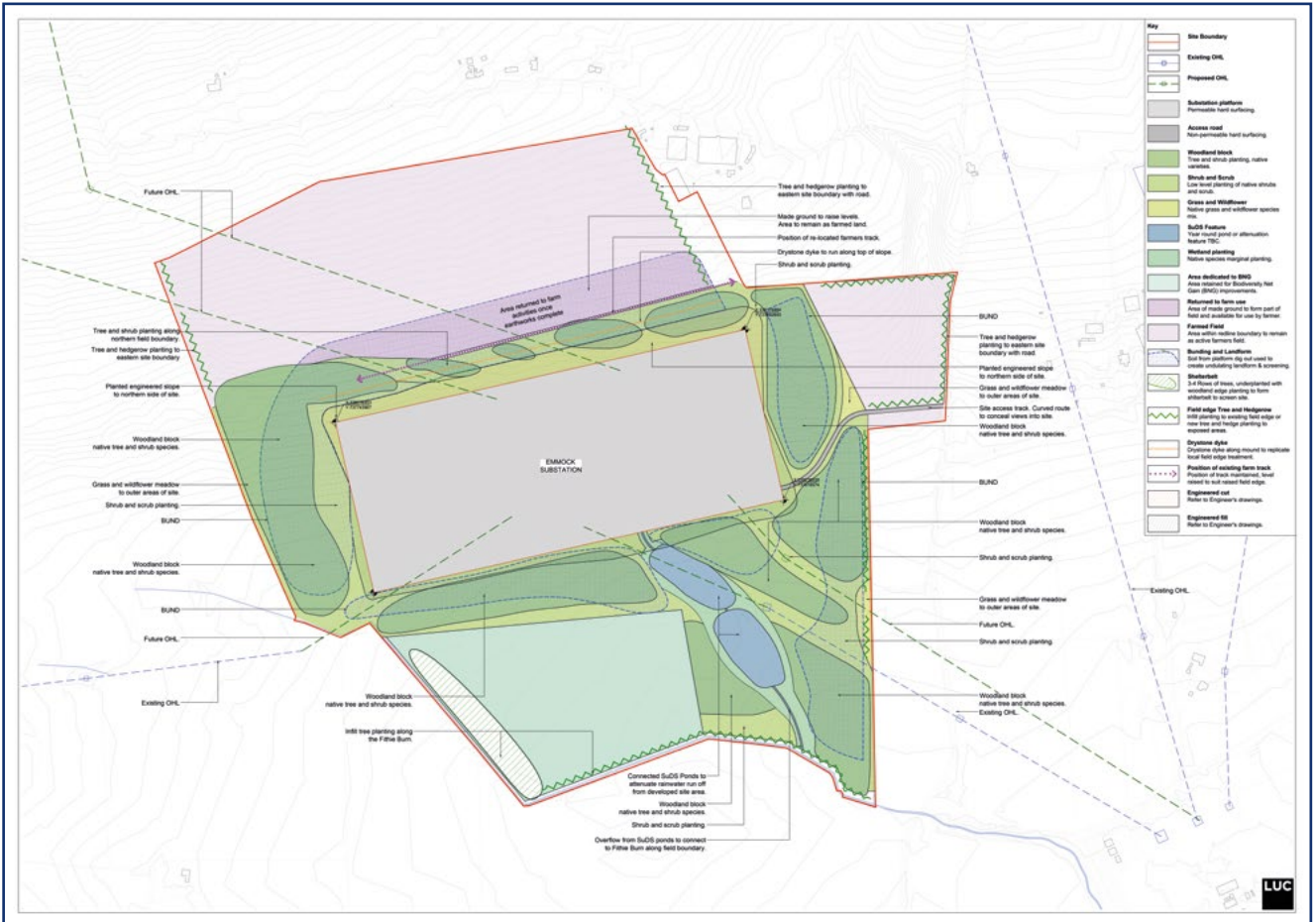
Landscaping bunds will be created around the substation platform, and planted with native shrubs, grasses and flora to reduce landscape and visual impact and to improve the biodiversity of the site compared to its previous agricultural use.

A new permanent access will be formed off Emmock road.

A security fence will be erected around the perimeter of the substation platform.

While the lighting strategy has not yet been defined, it will adopt the following broad principles; lighting will be kept to the minimum to ensure safe operations and security; individual light clusters will be low-level, narrow beam, and directed downwards to minimize glare and light spill; different lighting configurations and designs will be adopted for different parts of the site and will be appropriate for use; landscape bund design and positioning will support the reduction of glare and light spill experienced by the local community.

Proposed designs



Landscape design

The indicative Landscape Zonal Plan illustrates the principal components of the landscape design.

The main drivers are to screen and filter the visibility of the substation platform in a manner which is sympathetic to the wider landscape, taking advantage of the open low lying nature of the area and creating an undulating and varied landform.

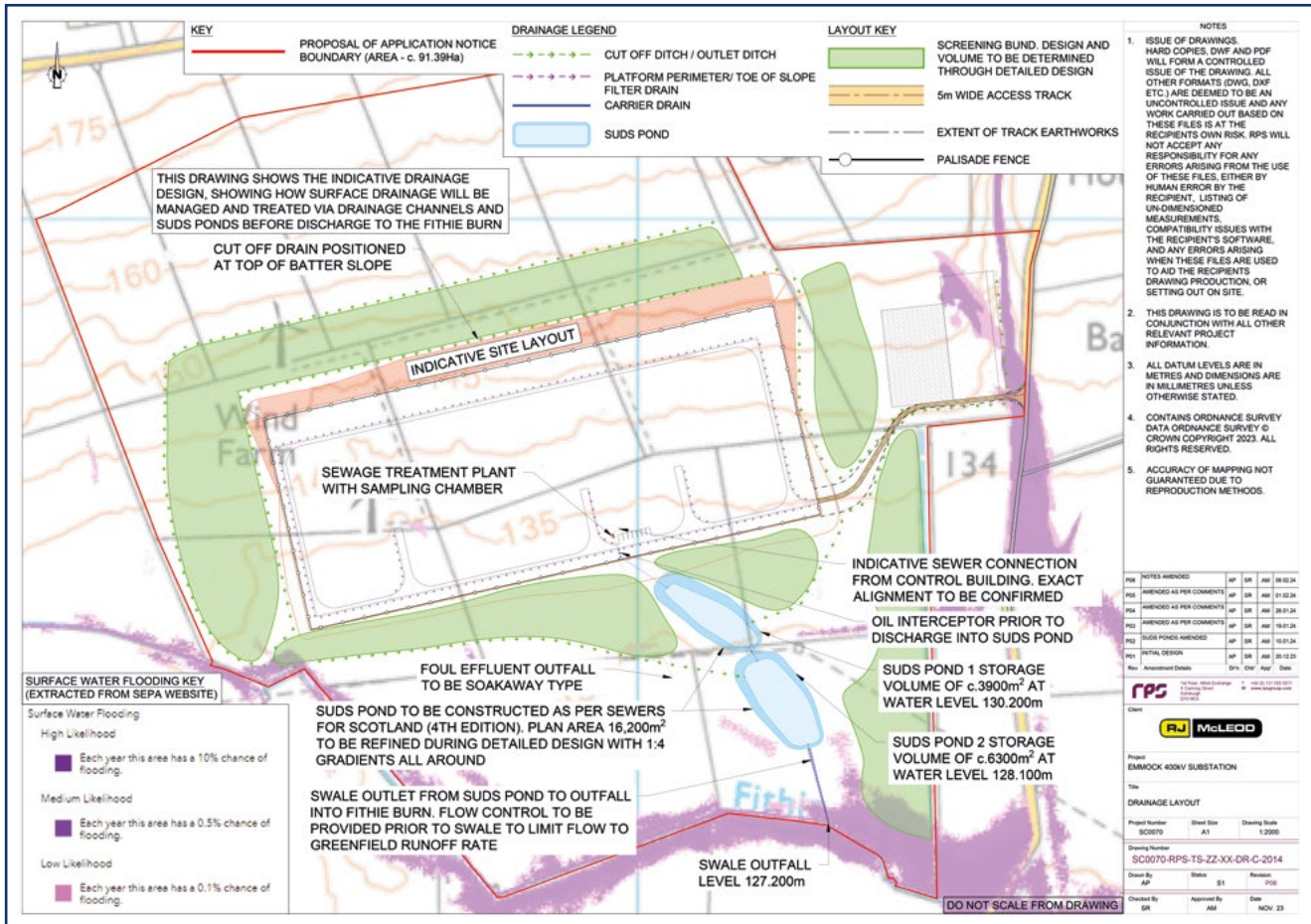
The design will introduce new elements formed from excavated material, new shelter belts and new field edge treatments.

Planting will include a mix of new woodland planting, the creation of shrub and scrub and new grass and willflower habitat, contributing to increasing the biodiversity of the Site compared to its current character.

The drainage features are integrated into the design as elements of the landscape creating visual diversity.

The Plan will be refined as the substation design evolves and following the landscape and visual impact assessment as part of the EIA process.

Proposed designs



Drainage design

Following the principles of sustainable urban drainage, the drainage network will comprise a network of grass lined swales (channels) which will collect drainage from the substation platform.

A cut off swale will intercept field run off from the higher parts of the site to the north of the platform. The existing field drainage network will be reinstated following the earthworks and convey drainage to the cut off drain.

Run off will drain to a network of ponds to slow, hold and treat (by settlement) drainage water before being released to the Fithie Burn ensuring that the volume, rate and quality of surface water discharge will be no greater than the level of run off currently.

A network of interceptors will capture grit and contaminants from internal roadways and hardstanding.

Materials storage areas within the substation will be self contained with drainage being conveyed to the SUDs ponds via an interceptor.

Office, canteen and hygiene facilities will be connected to the foul sewer which runs beneath the minor road to the east of the site.

The drainage design will be refined as the platform and wider site design evolves. This will be informed too by a more detailed Flood Risk Assessment and hydrology assessment which will form part of the EIA.

Development considerations

During our last consultation, we outlined many of the engineering, environmental and social considerations we take account of when establishing a practical site for the substation. Now that we have identified a proposed site, we are able to share further details regarding many of our development considerations.

Summary of engineering considerations

The fundamental engineering considerations when selecting a preferred site location for a new 400kV substation include access, connectivity, footprint requirements, ground and environmental conditions and avoiding hazards. The proposed new Kintore - Tealing 400kV OHL is currently in development and will need to connect into the new Emmock 400kV substation.

The substation is required to be located so that it can be readily connected to the new 400kV scheme, as well as future connections and the wider existing transmission network.

Site selection criteria site 4

- OHL access and connectivity
- Proximity to existing Tealing substation
- Substation footprint requirements
- Grounds and Environmental conditions
- Logistical access for equipment delivery
- Hazards

Site assessment

The site offers good OHL connectivity and flexibility with connecting to new and existing assets on the transmission network including future external developer connections. There is good existing access to the site off the A90, which will facilitate the delivery of large substation equipment and provide ease of access for future operational needs.

Access and civil considerations

The chosen site will allow connection of the proposed new Kintore -Tealing 400kV OHL and connection to the existing 275kV Tealing substation. The new substation will also facilitate the upgrade of the existing Aylth to Tealing and Tealing to Westfield 275kV OHL connection to 400kV connections.

The main access to site is proposed to be from the A90 via an existing slip road with survey and design works ongoing to determine any improvements required to facilitate this access.

There will also be the requirement to establish a new bell mouth and a new access track south of the new substation site to allow for delivery and vehicle access during and post construction.

Extensive ground and Site investigation works have taken place on the preferred site which will be used to inform the civil design of the site. The platform level is designed to optimise the overall cut fill balance of the site to minimise the amount of material import required.

Site layout

The layout of the substation has been developed as an Air Insulated Switchgear (AIS) after an optioneering exercise was carried out to determine the most suitable design for the preferred site. The AIS equipment will be outdoors and consists of busbars and switchgear which is used to marshal and control the electricity supply.

The substation platform size has been developed based on the number of bays to facilitate the initial connections at the site and allowance made for future connections and is approximately 675m x 300m and the tallest point of the site will be ~14.3m in height.

Building size

A control building will be required on site which contains ancillary equipment required to operate the substation including control panels and low voltage AC and DC systems.

The size of this building is determined by the number of ancillary system equipment required which is determined by the number of bays within the substation which for Emmock is 22. The building will be single story with an approximate overall height of 7m.

As well as the control building, Emmock substation will also have 2 x reactors which are required to keep the amount of electrical current flowing in the circuit to a safe and manageable level. Each reactor will be located within the substation site and will have an approximate height of 11m.

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 commissioned 3D visualisations which model the substation into the local landscape to help understanding of the proposals in terms of the visual impact, distance and height.

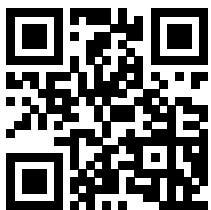
A flythrough video is also available to view from the project webpage or via the QR code at the bottom of this page.

Our proposals may change based on feedback and further refinement of the design. If that happens, we'll update our model and video and share this on our webpage and with you at the next event.

These images are for illustrative purposes. Further details on landscaping will be provided as the project develops.

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 easily available to view.



Find out more

Scan the QR code with your smartphone to view on the project website.



View from Balnuith



Emmock - Drone Shot



View from Balkemback

Other projects in the local area

As the transmission operator in the north of Scotland, we need to maintain and invest in the high voltage electricity transmission network in our area to provide a safe and reliable electricity supply to our communities.

We also need to offer terms for connections to the transmission network for new generation such as wind farms and pumped storage schemes and for new sources of electricity demand.

Therefore, as well as Emmock 400kV substation, we have a number of other projects within the local area we are currently developing, described below.

Our relevant Pathway to 2030 projects are also detailed on page 2 and includes information regarding our proposals for the Kintore to Tealing OHL.

Upgrade of existing OHL Alyth – Tealing and Tealing – Westfield

As part of the Kintore –Tealing 400kV scheme, 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 termed 'reconductoring' and is achieved by replacing the existing conductors with larger capacity conductors. Once upgraded these lines will connect into the proposed new 400kV Emmock substation.

Future developments

We know that local stakeholders are keen to understand the full extent of renewable developments being proposed in their local area. Applications from renewable developers to connect to the transmission network are made to National Grid ESO and undergo a lengthy process before we begin to develop a network connection for developments applying in our license area.

We aim to be transparent about the renewable developments looking to connect to our network but are not permitted to disclose any details of these developments until they are in the public domain.

A list of projects that hold contracts for Transmission Entry Capacity (TEC) with National Grid, the Electricity System Owner is available from their website: nationalgrideso.com/data-portal/transmission-entry-capacity-tec-register

Future developments may also require additional work at Tealing substation including further extensions to the existing site.

Finding common ground with landowners

We recognise landowners and occupiers as key stakeholders in the development of our projects. At all levels, we will be transparent about our proposals and keep the conversation open and constructive when it comes to those affected and reaching effective compromise.

From the outset of the project, our land team have been identifying and contacting landowners and occupiers who may be affected by our proposals. If you are a landowner who is affected by the proposals and have not yet had contact from us, please get in touch via the contact details for the dedicated project land managers found on the relevant webpages: <https://bit.ly/48W3BX7>

We work with landowners and occupiers to mitigate the effects of our infrastructure on their properties and our team of dedicated Land Managers will be on hand to answer queries and address concerns throughout this process.

As part of this, we need to carry out various engineering and environmental surveys to inform what we design and how we build it. We will always seek consent from affected landowners and occupiers in advance for these surveys.

Once we have finalised the design, we will be required to secure the appropriate land rights from landowners and occupiers in order to secure planning consent.

Our land managers will endeavour to reach a voluntary agreement with landowners and occupiers, however, as a statutory undertaker, we might need to underpin voluntary discussions with an application to Scottish Ministers for a Necessary Wayleave or Compulsory Purchase Order.

Ultimately this is to ensure nationally significant infrastructure projects are delivered on time and in line with our licence obligations. We also have a duty to protect the interests of the UK bill payer.

Statutory powers are not used lightly as we aim to work with landowners and occupiers to secure the necessary land rights voluntarily.

All potentially affected landowners and occupiers have the opportunity to provide feedback at our in-person consultation events and by submitting a feedback form.

We would encourage all those with an interest to submit their views through this consultation.



Leaving things better than we found them

On every project we deliver, we always need to consider how we impact the environment in that area. As we enhance the transmission network in the East of Scotland, we have a responsibility to design and build our projects to protect and enhance the environment. We will always look to minimise the potential impacts from our activities and achieve Biodiversity Net Gain (BNG).

As the first developer to consult upon and implement an award-winning approach to deliver Biodiversity Net Gain (BNG) on all new sites, we're committed to delivering a "greener grid", focusing on habitat restoration and creating biodiversity growth as we invest in our network. We are committed to delivering 10% Biodiversity Net Gain on all sites gaining consent going forward. This ensures that we don't just restore our natural habitats but actively improve them for the benefit of local communities, wildlife, flora and fauna.

During the development, construction and operation of our projects, we will leave the environment in a measurably

better state than before development started, ensuring a positive environmental legacy at all our sites. As this project progresses through the development process, we will actively seek ways to avoid and minimise impacts on biodiversity, through careful routeing and site design to avoid impacting areas of highest biodiversity value.

Where avoidance is not possible, we will offset this by introducing new habitats along with restoration efforts. These can be achieved within the boundary of the development site, or by providing support to local groups involved with habitat restoration or creation projects, within the locale of the development site.

If there are biodiversity improvement projects in your local area that SSEN Transmission could get involved with, please get in touch. Contact details for the Community Liaison Manager can be found on page 16).

Example projects

Argyll Coast and Countryside Trust (ACT)

Argyll's rainforest is a unique and rare habitat of ancient and native woodland. This collaboration with ACT will help deliver our compensatory tree planting and BNG commitments in Argyll. It also aligns with ACT's woodland planting ambitions, supporting its charitable objectives including biodiversity gain, health and wellbeing, improvement for local people, outdoor learning opportunities and climate change workshops.



Argyll Coast and Countryside Trust (ACT)

Thurso South substation and The Bumblebee Conservation Trust

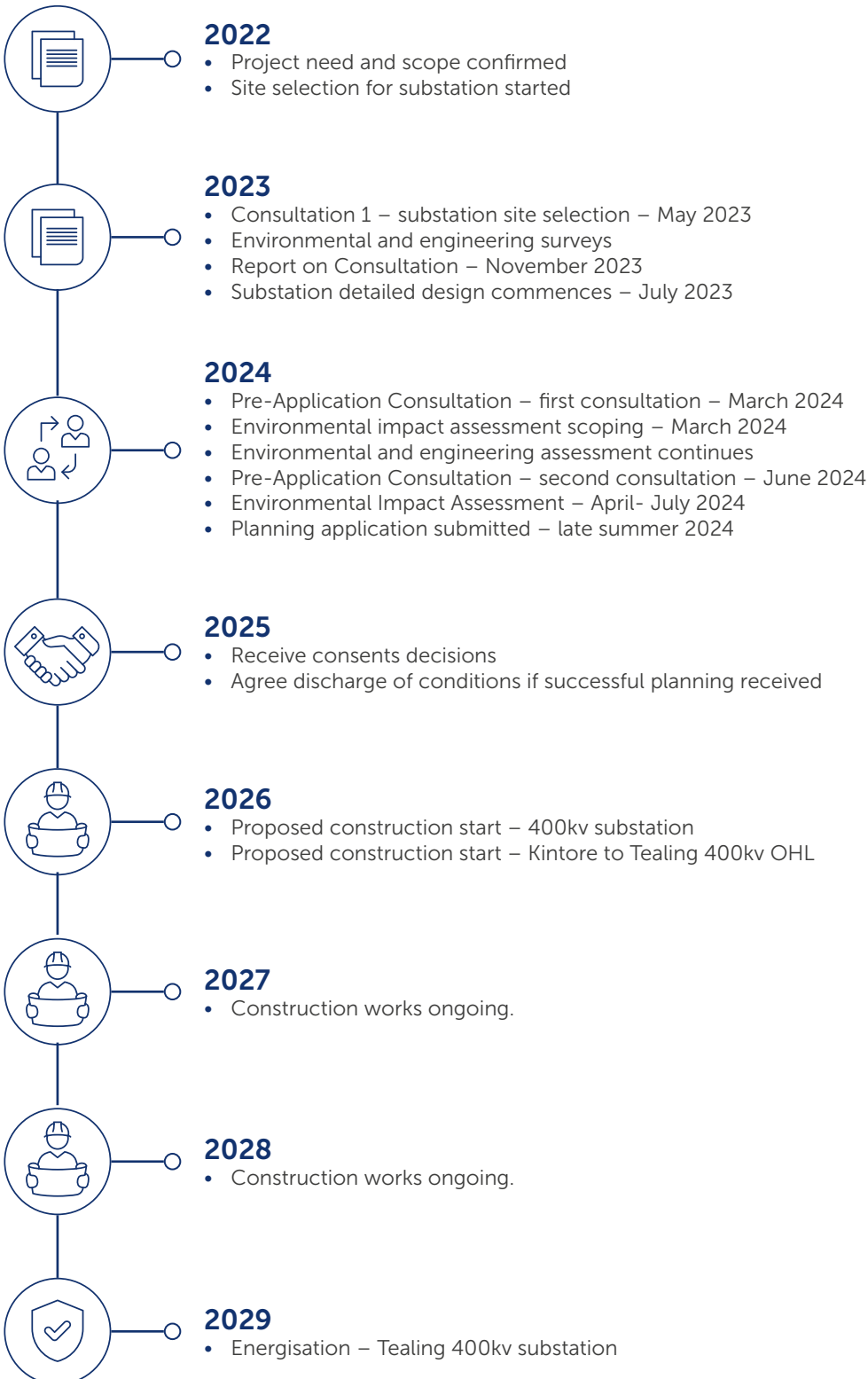
We created approximately 10 hectares of bee-friendly habitat to support the pollination of the rare endemic great yellow bumblebee.

This contributed to wider conservation efforts for this bee species. A collaboration with The Bumblebee Conservation Trust facilitated research on food availability for bumblebees, identifying the need for a diverse seed mix containing key flowering species to enhance early, main and late food supply to support the full lifecycle of bumblebees.



Thurso South substation and The Bumblebee Conservation Trust

Project timeline



Notes

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

Previous consultation highlighted the need for an extended feedback period. In response to this, we will extend our usual 28 days feedback period.

We will accept feedback from now until 15 April 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: <https://bit.ly/48W3BX7>

Email the feedback form to the Community Liaison Manager. Or write to us enclosing the feedback form at the back of this booklet.

What we're seeking views on

During our last public consultation events in May and June 2023, we wanted to know your thoughts on the substation sites under consideration and if you agreed with the one we'd identified to take forward.

Now 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'll be actively looking to mitigate the impacts of the project as much as possible over the coming months, but 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 a local community benefit you would like us to consider.

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.

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

Rhiannon Merritt
Community Liaison Manager

SSEN Transmission
10 Henderson Road,
Inverness, IV1 1SN

E: tkup@sse.com



Additional information

The best way to keep up to date is to sign up to project updates via the project webpage: <https://bit.ly/48W3BX7>

You can also follow us on social media

 [SSEN-Transmission](#)

 [SSETransmission](#)



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.

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.

Please complete in BLOCK CAPITALS.

Q1. Now that we have shared updated design plans for this site, is there anything you'd like to bring to our attention that you believe we may not have already considered during project development?

Comments:

Q2. Are there any environmental features, that you consider important and should be brought to the attention of the project team?

Comments:

Q3. 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:

Q4. Is there anything regarding the Emmock 400kV substation proposal that you feel you require more information about? If so, please detail below.

Comments:

Q5. Do you have any other comments?

Comments:

Full name

Address

Telephone

Email

If you would like your comments to remain anonymous please tick this box.

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.

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

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: SSEN Transmission, 10 Henderson Road, Inverness, IV1 1SN **Email:** tkup@sse.com

Online: <https://bit.ly/48W3BX7>

Download: Comments forms and all the information from today's event will also be available to download from the project website.

The feedback form and all information provided in this booklet can also be downloaded from the dedicated website: <https://bit.ly/48W3BX7>

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 G INFORMATION BANNERS EVENT 1

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 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 (OHL) 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 our host communities. So we're committed to minimising our impacts and maximising all the benefits that our developments can bring to your area.

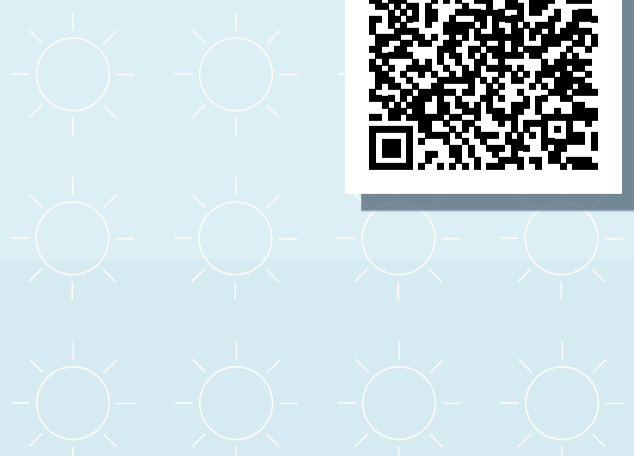
We're regularly assessed by global sustainability consultancy AccountAbility for how we engage with communities. That means we provide all the information you need to know about our plans and how they will impact communities like yours.

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

 tkup@sse.com

ssen-transmission.co.uk/projects/2030-projects/East-Coast/



Pathway to 2030

Building the energy system of the future will require 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?

Based on the requirements outlined in the ESO's Pathway to 2030 Holistic Network Design, we have developed proposals to reinforce the onshore corridor between Beaulieu and Peterhead, via Blackhilllock and New Deer.

To facilitate this connection, and others as part of the wider strategy, new additional 400kV substations and associated infrastructure is required at these four locations.

The 400kV substation project forms part of the ScotWind enabling Transmission Owner Reinforcement Instructions (TORIs), enabling renewable energy generation in the North-East to connect to the Transmission network.

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.

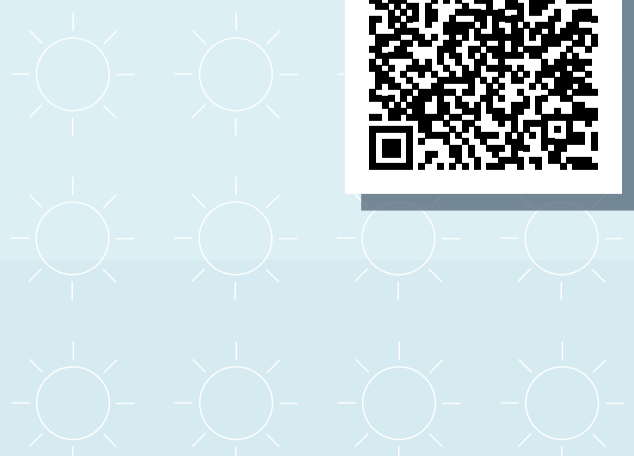
To achieve these targets, further investment in new low carbon electricity generation and the enabling electricity transmission network infrastructure will be required.

The next stage of strategic network planning across Great Britain is underway and we expect the independent Electricity System Operator, National Grid ESO, to publish details of this in March this year. It is expected this will include a combination of new onshore and offshore network requirements.



 tkup@sse.com

ssen-transmission.co.uk/projects/2030-projects/East-Coast/



Project overview

We're leading some exciting 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, and quickly.

There are five key projects, with all the details on what we're doing for each below.

The new 400kV OHL between Kintore and Tealing

Based on the requirements outlined in National Grid ESO's Pathway to 2030 Holistic Network Design we have developed proposals to reinforce the transmission system. As part of this we are proposing to establish a new 400kV OHL between Kintore and Tealing.

This requires two new 400kV substations to be constructed to connect to this new OHL, one at Fetteresso Forest in Aberdeenshire and one near the village of Tealing in Angus to enable required future connections and export routes to areas of demand.

In addition, two existing OHLs out of Tealing substation to Alyth and Westfield in Fife will be upgraded to operate at 400kV and connected into the new Emmock 400kV substation.

While they have been presented in combined consultation events in May last year, they are separate projects and will be progressed through separate consultation and consenting processes.

New and upgraded OHL connections

The new Kintore to Tealing OHL will connect from the north of the proposed substation site. This will be a new 400kV line supported by new towers. Towers would be 57m in height on average, although tower heights may be increased where local topography dictates in order to achieve sufficient clearance distances.

- The existing 275kV OHL from Alyth to the existing substation will be upgraded and connect to the new proposed substation from the northwest. This will require the construction of approximately 1.5km of new OHL to connect the existing OHL to the new substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will also allow the removal of approximately 3.5km of existing OHL.
- The existing 275kV OHL to Westfield, which connects Scottish Power Transmission's (SPT) infrastructure to the existing Tealing substation, will be upgraded and connect to the new proposed substation. This will connect from the south west. This will require approximately 0.5km of new OHL to connect the existing OHL to the new substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will leave approximately 1.5km of redundant OHL.
- The new 400kV substation and the existing 275kV substation need to be connected to each other. The proposal is to use the 1.5km section of Tealing Westfield OHL which will become redundant when it is upgraded to 400kV. This will likely require a short section of additional OHL but significantly less than if a new build solution was implemented. There is also likely to be a requirement for an additional OHL circuit between the two sites and this will likely be approximately 1km of new OHL on towers approximately 50m tall.

Tealing (Emmock) 400kV substation

This consultation is focused on the proposal to build a new 400kV substation required near Tealing. The new substation will be located approximately 1km northwest of the existing 275kV substation at Tealing.

The new proposed substation will be an outdoor, Air Insulated Switchgear (AIS), 400kV substation.

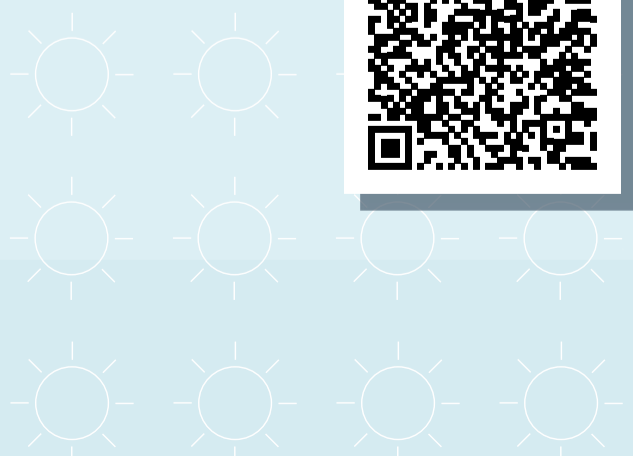
The electrical equipment will sit on a development platform approximately 675m x 300m.

The overall size of the new substation is influenced by a range of factors, including:

- Plant and equipment required for current network plans
- Space provision required future renewable energy generation projects
- Areas for drainage, landscaping/screening and habitat enhancement
- Permanent and temporary access roads
- Temporary areas required during construction for laydown and welfare.

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How we've selected the substation site

Our site selection process makes sure the design, consenting, construction and operation of our projects are undertaken in a manner, which on balance, causes the least disturbance to the environment and the local community, while ensuring the solution taken forward is economically and technically practical.

To do this we follow an internal process supported by third party environmental and technical experts.

This has many key stages, each increasing in detail and definition and bringing technical, environmental, people, and cost considerations together to find a balanced outcome.

Nine site options were identified within a 5km Area of search, which centred on the existing Tealing substation, and assessed for suitability based on factors including size, access, topography and the nature of technical and environmental constraints.

From this list, two potential sites (Sites 4 (land at Balkemback Farm and 7 (land at North of Mains of Boldovan)) were identified as suitable for further appraisal.

This second stage involved more detailed consideration of the environmental, engineering and likely cost constraints based on further desk assessment, site inspection by engineering and environmental specialists and initial enquires to landowners.

The appraisal concluded that there was little to distinguish between the shortlisted sites, the principal factors being the relative level of cultural heritage constraint, the works necessary to rationalise existing OHL connections and the associated costs.

While site 7 was preferred by being further from cultural heritage features, the fact that there are fewer properties, fewer technical challenges and lower development around site 4 makes it preferable.

Further detail on why Site 4 was selected can be found in our Consultation Document published 9 May 2023.

Our proposed site: Site 4 - Emmock

Following our last consultation on the proposed Tealing substation in May 2023, where we asked for your views regarding shortlisted sites, in December 2023 we confirmed that the site we were proposing to progress with was Site 4.

What has changed since we last consulted?

Since our last consultation, we have analysed and reported on the consultation findings, which have allowed us to confirm the proposed site which will now be taken forward into the planning process. We have continued to develop our environmental analysis and have appointed specialist substation designers to start to optimise the substation design, to reduce its size and visibility and maximise opportunities for biodiversity gain.

Naming our site

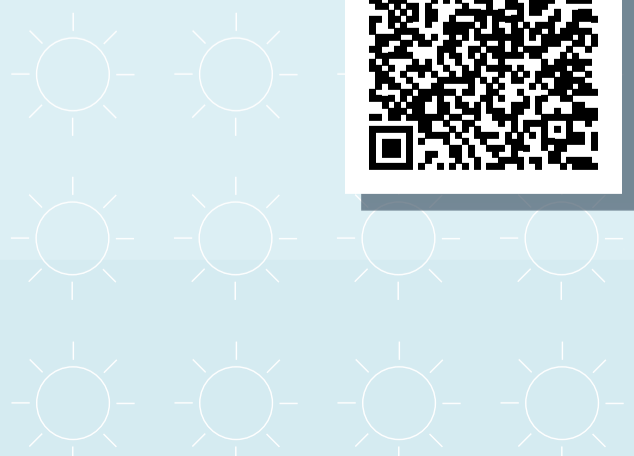
To avoid confusion with the nearby Tealing 275kV substation, Emmock 400kV substation was chosen which recognises the proximity to the nearby Emmock Road. Going forward, for the next consultation and submission of our planning application, the name will be formally changed to Emmock 400kV substation.

What next?

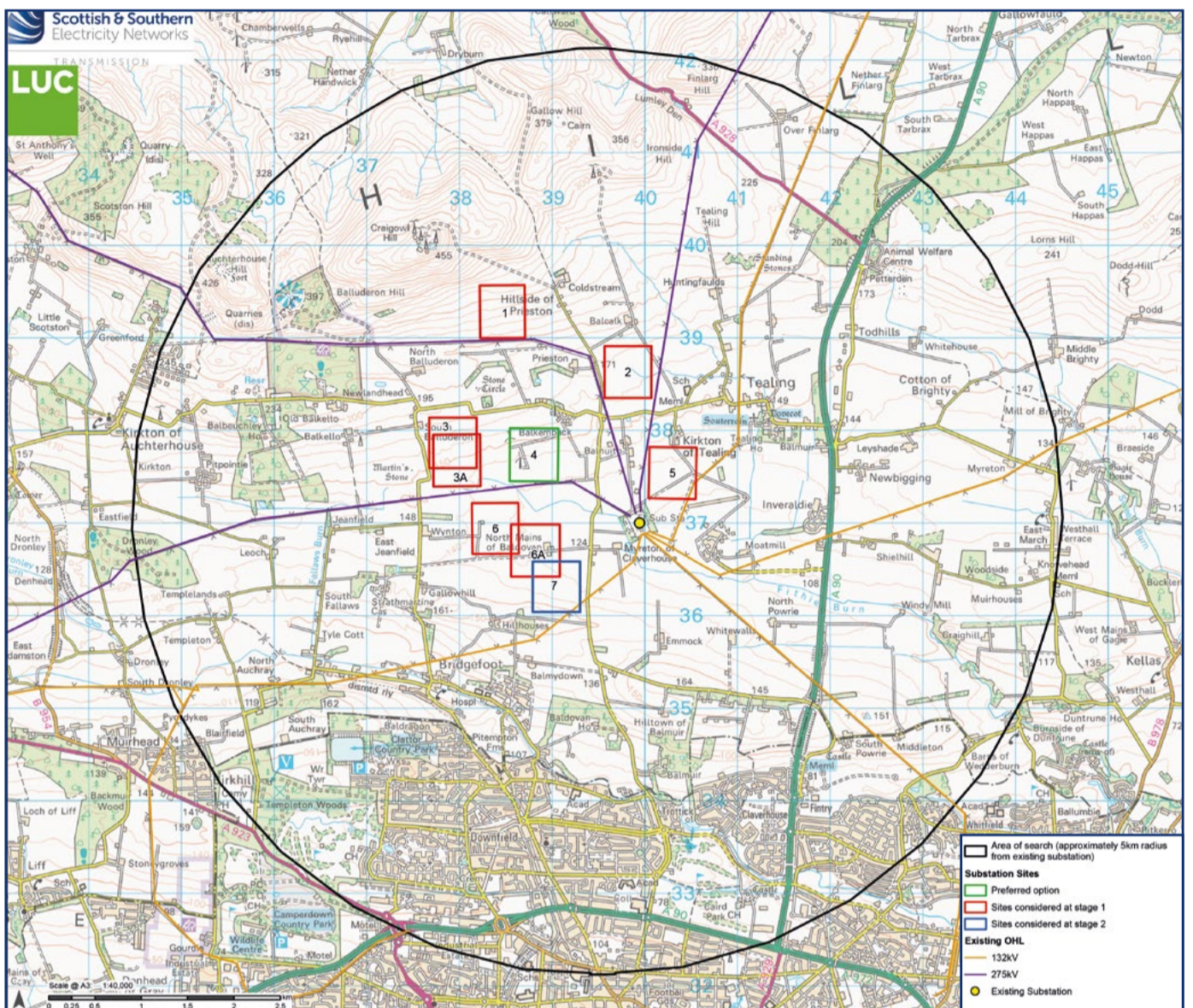
We are now at the formal 'pre-application stage of our consultation process. We will consult again in June 2024, to share feedback from this consultation and any subsequent changes to design, prior to submitting a planning application to Angus Council at the end of the summer.

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How we've selected the substation site



Why this site?

The consultation process, held last year, confirmed that the proposed site 4 for the Emmock 400kV substation is most appropriate to be progressed through the Environmental Impact Assessment and subsequent consenting stages:

- There are fewer residential properties in close proximity to the site.
- Nearby cultural heritage assets identified are unlikely to be adversely impacted by the development.
- The Site offers efficient connections to the existing Tealing substation, reusing redundant sections.
- The requirement of new infrastructure needed to connect upgraded existing circuits is minimised.
- The location allows over 3km of existing 275kV OHL to be removed.

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Environmental considerations

The potential environmental impacts discussed below will be assessed as part of the Environmental Impact Assessment (EIA), which will accompany the planning application to Angus Council. The EIA Report will be available for members of the public to view and comment on as part of the planning process and the determination of the application by Angus Council.

Cultural heritage

The proposed substation is likely to be visible from a number of Scheduled Monuments and listed buildings. This will be confirmed by full assessment as part of the Environmental Impact Assessment (EIA) process, which will consider both impacts associated with the substation and in combination with the new overhead transmission line and propose measures to avoid or reduce cultural heritage impacts if necessary.

Terrestrial ecology and ornithology

The nearest nature conservation designated site is Auchterhouse Hill Site of Special Scientific Interest (SSSI), over 2km north-west of the proposed site. An impact upon the SSSI is not anticipated.

While the Site is some 8km north of the Firth of Tay and Eden Special Protection Area (SPA) designated for non-breeding greylag and pink-footed geese and will not impact the SPA directly, it does lie within the foraging distance for geese and this will be recognised during the EIA process.

Also of relevance are the Outer Firth of Forth and St. Andrews Complex SPA, 8km south, Loch of Kinnordy SPA 16km and Loch of Lintrathen SPA 20km from the Site respectively.

The Outer Firth of Forth SPA is predominantly designated for its breeding and non-breeding seabird species (including herring gull which can forage up to 15 – 20 km). Although designated for its breeding seabird species, the herring gull can travel inland to feed.

Much of the Site has low conservation value, being predominantly arable land. There is some riparian habitat along the Fithie Burn which has potential for use by otters. It is also possible that badgers could use the fields within the Site for foraging.

While the Site is not particularly constrained in ecological or ornithological terms, the EIA process will include detailed assessments of ecological and ornithological impacts, both from the proposed substation and in combination with OHL. In turn, these assessments will inform the need for impact mitigation.

We are committed to creating greater biodiversity than provided by the site currently. This will include new habitat creation and species-rich planting in the landscape and drainage designs. Other mitigation may also be necessary, such as avoiding certain construction activities at sensitive periods. Habitat and Species Management Plans will be implemented during construction and operations.

Noise and vibration

The Site is largely rural. The main noise sources experienced by those living in the vicinity of the Site and along the minor roads serving the area will be traffic. Although it is likely there will be some local and occasional noise from farm vehicles and machinery.

During construction, noise and possibly vibration may be experienced by properties close to the Site from the movement of construction equipment, and certain activities (earthworks). The adoption of standard construction methods will ensure the level of off-site construction noise is kept to a minimum. Baseline noise levels will be measured using techniques and at locations agreed with Angus Council.

A detailed noise and vibration impact assessment will be undertaken as part of the EIA, which will model possible levels of noise based on the equipment specified for the substation and define the measures necessary to attenuate (mitigate) noise so that significant impacts at nearby properties are not experienced.

Traffic

While the primary access routes will be from the A90, local access to the site will be via the minor roads from the A90, via Emmock Road to the south and via Tealing to the north.

A detailed construction traffic route assessment will be undertaken, as part of the EIA, to define route options with least impact, and will include determining how the amenity of properties close to the roads can be protected and what road improvements or modifications may be required.

A detailed Transport Impact Assessment, which will also include consideration of road safety, impacts to other road users and community impacts will be submitted as part of the planning application.

Water environment

The Fithie Burn flows in an easterly direction along the southern boundary of the Site.

A small drain, which drains agricultural land, is present in the eastern part of the site, approximately 165m east of the proposed substation platform. A larger tributary discharges flow from a culvert and then runs south along the edge of the unclassified road east of the Site before entering the land drain upstream of the Fithie Burn.

SEPA future flood maps show a risk of future flooding from the Fithie Burn and from the tributary in the next 200 years however, no part of our proposed site falls within the flood risk area. Modelling of the Fithie Burn and the unnamed tributary in the eastern part of the Site is being carried out to inform the design. There are no Private Water Supplies within the Site.

Landscape and visual assessment

The Site is not located in or close to any national, regional or locally designated landscapes.

The landscape is characterised by lowland open, medium-scale farmland which is predominantly productive arable land use with. The local area already accommodates significant infrastructure, notably the existing Tealing substation and the Seagreen convertor station.

The site falls very gradually from north to south with an elevation change of approximately 25m. Fields units are large, under both arable and pasture with some fields separated by drystone dykes. The site is open to adjacent farmland in all directions. Tree cover is limited to occasional deciduous trees along one field boundary within the southern extent of the site. There are two small wind turbines on the site.

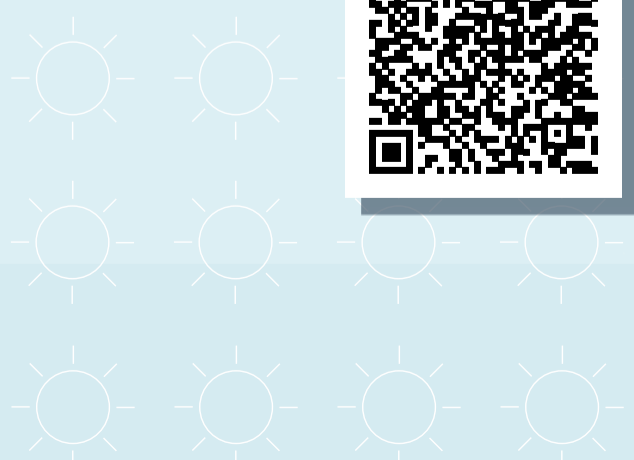
There are properties and associated farm buildings at Balkemback located to the north-east of the site with further properties in the wider vicinity.

The landscape plan has been designed to reduce the visual impact of the substation on these receptors, as indicated by the indicative visualisations.

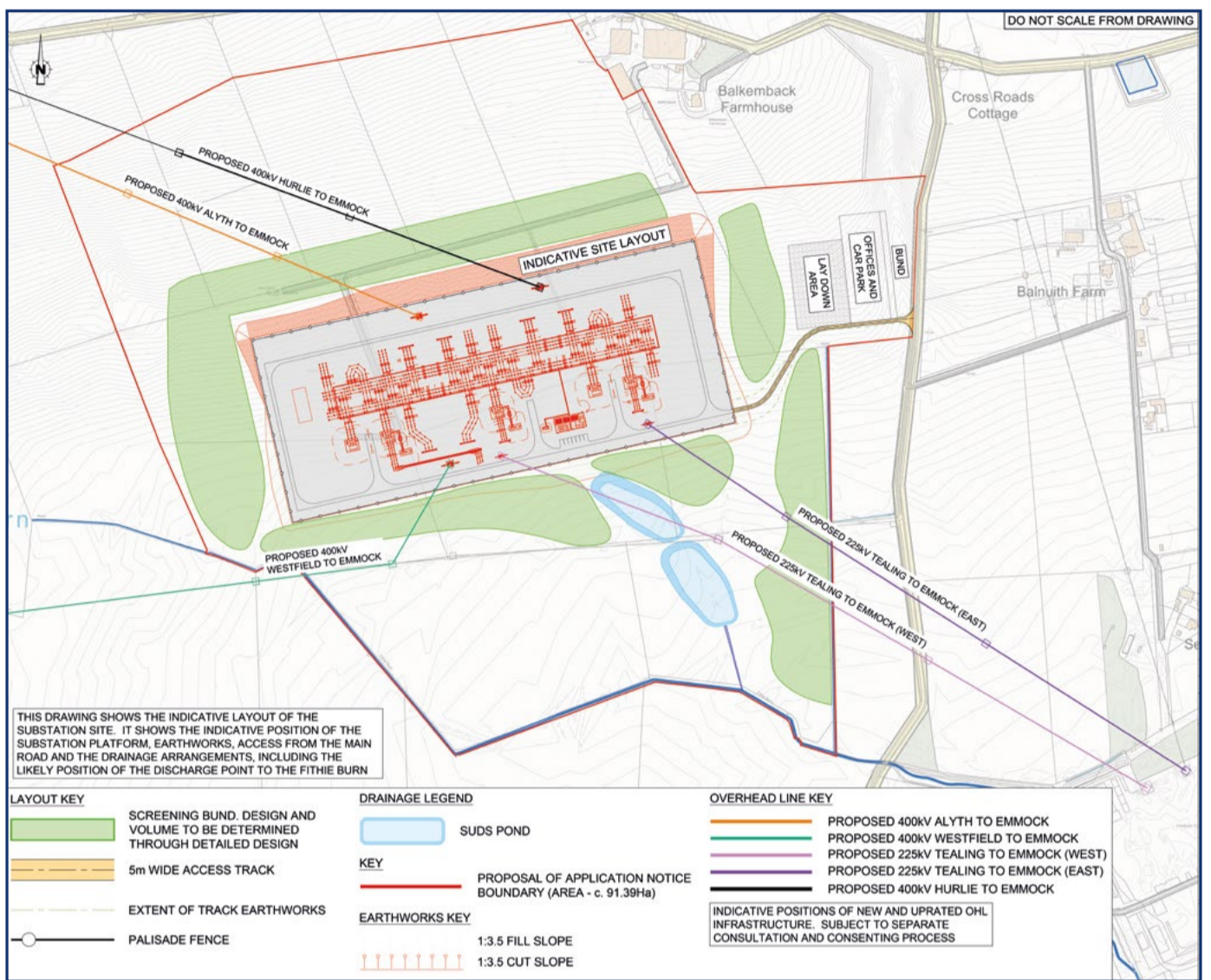
Plans will be developed further through the landscape and visual impact assessment, conducted as part of the EIA, which will also consider the possibility of cumulative impacts with the new overhead transmission line.

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Proposed substation layout



The substation footprint has been positioned to optimise the amount of cut and fill needed to create a level development platform, the opportunity to screen the substation particularly from the north and east, the need to manage surface run off and to ensure the viability of the remaining fields.

Landscaping bunds will be created around the substation platform, and planted with native shrubs, grasses and flora to reduce landscape and visual impact and to improve the biodiversity of the site compared to its previous agricultural use.

A new permanent access will be formed off Emmock road.

A security fence will be erected around the perimeter of the substation platform.

While the lighting strategy has not yet been defined, it will adopt the following broad principles; lighting will be kept to the minimum to ensure safe operations and security; individual light clusters will be low-level, narrow beam, and directed downwards to minimize glare and light spill; different lighting configurations and designs will be adopted for different parts of the site and will be appropriate for use; landscape bund design and positioning will support the reduction of glare and light spill experienced by the local community.



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Proposed designs



Landscape design

The indicative Landscape Zonal Plan illustrates the principal components of the landscape design.

The main drivers are to screen and filter the visibility of the substation platform in a manner which is sympathetic to the wider landscape, taking advantage of the open low lying nature of the area and creating an undulating and varied landform.

The design will introduce new elements formed from excavated material, new shelter belts and new field edge treatments.

Planting will include a mix of new woodland planting, the creation of shrub and scrub and new grass and wildflower habitat, contributing to increasing the biodiversity of the Site compared to its current character.

The drainage features are integrated into the design as elements of the landscape creating visual diversity.

The Plan will be refined as the substation design evolves and following the landscape and visual impact assessment as part of the EIA process.

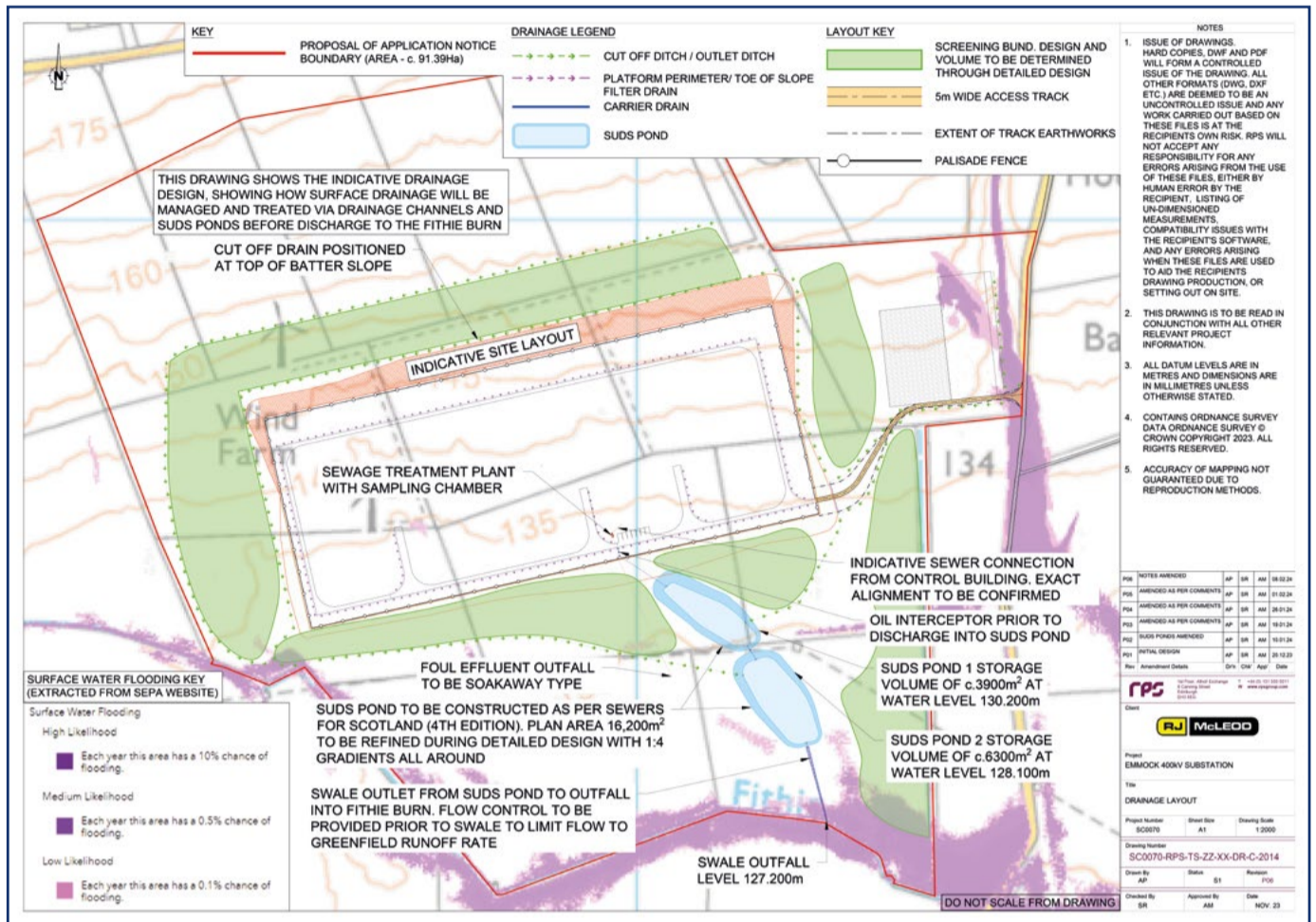


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Proposed designs



Drainage design

Following the principles of sustainable urban drainage, the drainage network will comprise a network of grass lined swales (channels) which will collect drainage from the substation platform.

A cut off swale will intercept field run off from the higher parts of the site to the north of the platform. The existing field drainage network will be reinstated following the earthworks and convey drainage to the cut off drain.

Run off will drain to a network of ponds to slow, hold and treat (by settlement) drainage water before being released to the Fithie Burn ensuring that the volume, rate and quality of surface water discharge will be no greater than the level of run off currently.

A network of interceptors will capture grit and contaminants from internal roadways and hardstanding.

Materials storage areas within the substation will be self contained with drainage being conveyed to the SUDs ponds via an interceptor.

Office, canteen and hygiene facilities will be connected to the foul sewer which runs beneath the minor road to the east of the site.

The drainage design will be refined as the platform and wider site design evolves. This will be informed too by a more detailed Flood Risk Assessment and hydrology assessment which will form part of the EIA.

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Development considerations

During our last consultation, we outlined many of the engineering, environmental and social considerations we take account of when establishing a practical site for the substation. Now that we have identified a proposed site, we are able to share further details regarding many of our development considerations.

Summary of engineering considerations

The fundamental engineering considerations when selecting a preferred site location for a new 400kV substation include access, connectivity, footprint requirements, ground and environmental conditions and avoiding hazards. The proposed new Kintore - Tealing 400kV OHL is currently in development and will need to connect into the new Emmock 400kV substation.

The substation is required to be located so that it can be readily connected to the new 400kV scheme, as well as future connections and the wider existing transmission network.

Site selection criteria site 4

- OHL access and connectivity
- Proximity to existing Tealing substation
- Substation footprint requirements
- Grounds and Environmental conditions
- Logistical access for equipment delivery
- Hazards.

Site assessment

The site offers good OHL connectivity and flexibility with connecting to new and existing assets on the transmission network including future external developer connections. There is good existing access to the site off the A90, which will facilitate the delivery of large substation equipment and provide ease of access for future operational needs.

Access and civil considerations

The chosen site will allow connection of the proposed new Kintore -Tealing 400kV OHL and connection to the existing 275kV Tealing substation. The new substation will also facilitate the upgrade of the existing Aylth to Tealing and Tealing to Westfield 275kV OHL connection to 400kV connections.

The main access to site is proposed to be from the A90 via an existing slip road with survey and design works ongoing to determine any improvements required to facilitate this access.

There will also be the requirement to establish a new bell mouth and a new access track south of the new substation site to allow for delivery and vehicle access during and post construction.

Extensive ground and Site investigation works have taken place on the preferred site which will be used to inform the civil design of the site. The platform level is designed to optimise the overall cut fill balance of the site to minimise the amount of material import required.

Site layout

The layout of the substation has been developed as an Air Insulated Switchgear (AIS) after an optioneering exercise was carried out to determine the most suitable design for the preferred site. The AIS equipment will be outdoors and consists of busbars and switchgear which is used to marshal and control the electricity supply.

The substation platform size has been developed based on the number of bays to facilitate the initial connections at the site and allowance made for future connections and is approximately 675m x 300m and the tallest point of the site will be ~14.3m in height.

Building size

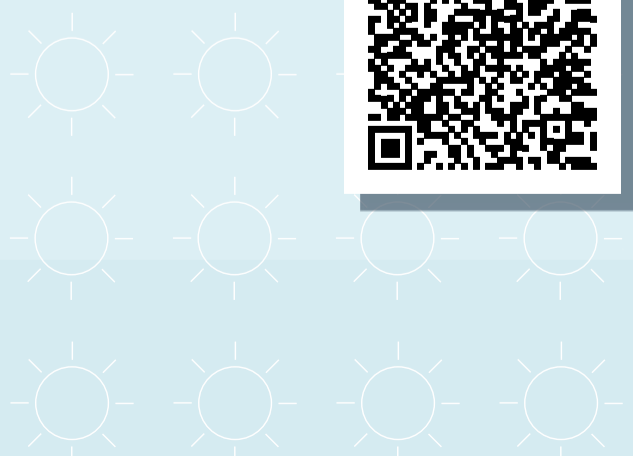
A control building will be required on site which contains ancillary equipment required to operate the substation including control panels and low voltage AC and DC systems.

The size of this building is determined by the number of ancillary system equipment required which is determined by the number of bays within the substation which for Emmock is 22. The building will be single story with an approximate overall height of 7m.

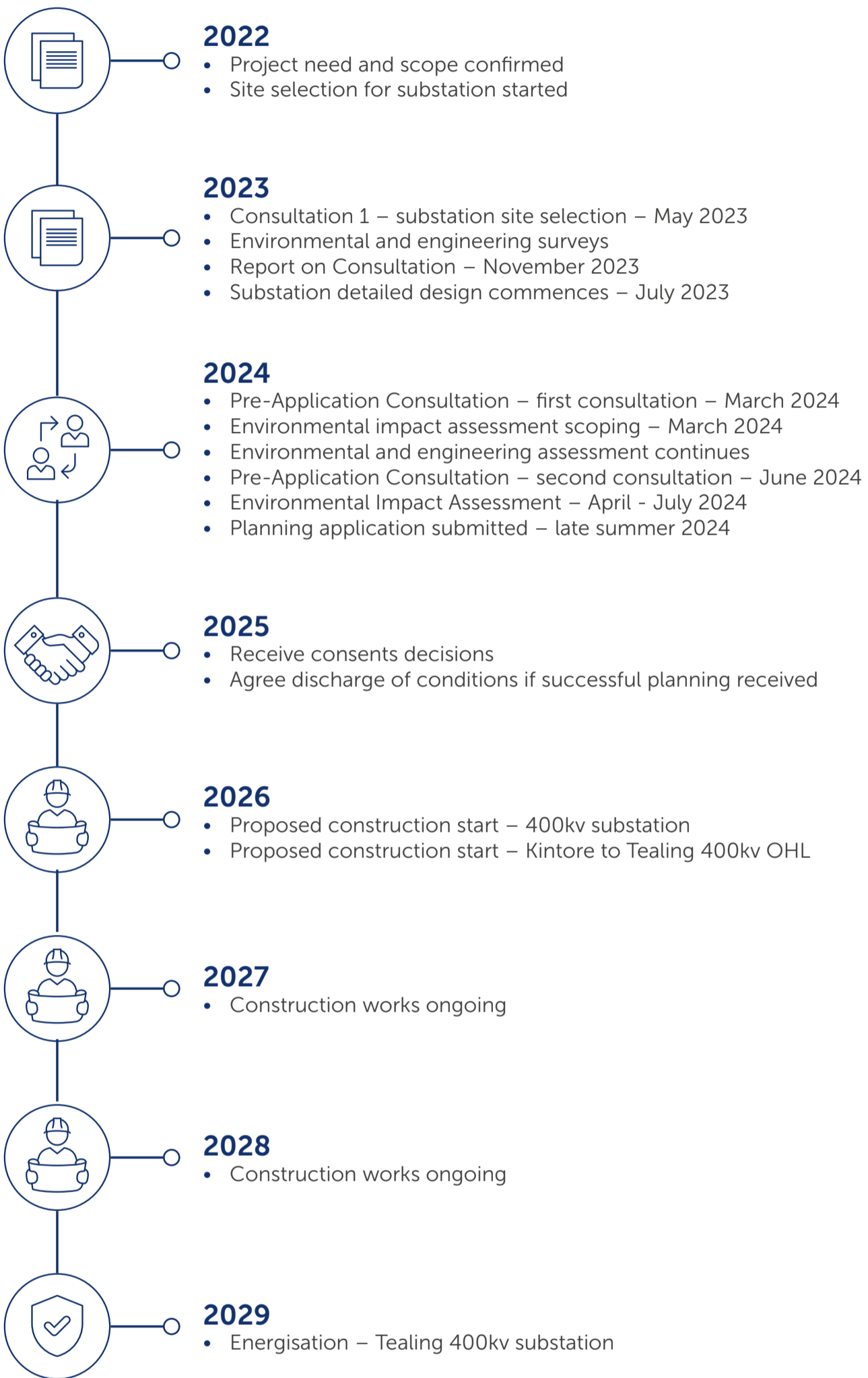
As well as the control building, Emmock substation will also have 2 x reactors which are required to keep the amount of electrical current flowing in the circuit to a safe and manageable level. Each reactor will be located within the substation site and will have an approximate height of 11m.

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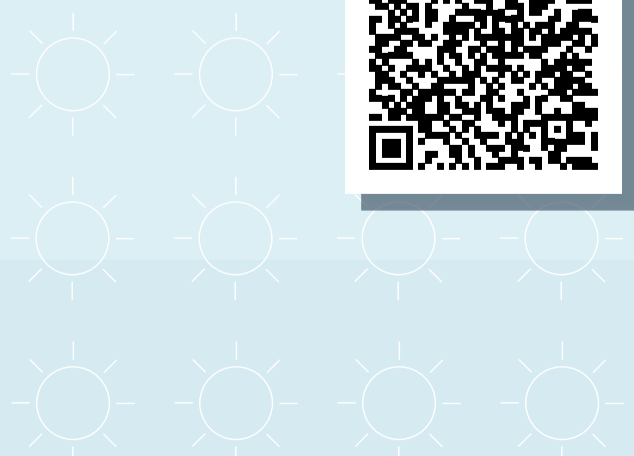


Project timeline



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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

Previous consultation highlighted the need for an extended feedback period. In response to this, we will extend our usual 28 days feedback period.

We will accept feedback from now until 15 April 2024.

How to provide feedback

Submit your feedback online by scanning the QR code on this banner or via the form on our project webpage at: <https://bit.ly/48W3BX7>

Email the feedback form to the Community Liaison Manager or write to us enclosing the feedback form at the back of the consultation booklet.

What we're seeking views on

During our last public consultation events in May and June 2023, we wanted to know your thoughts on the substation sites under consideration and if you agreed with the one we'd identified to take forward.

Now 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'll be actively looking to mitigate the impacts of the project as much as possible over the coming months, but 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 a local community benefit you would like us to consider.

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.

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

Rhiannon Merritt
Community Liaison Manager

SSEN Transmission
10 Henderson Road,
Inverness, IV1 1SN

E: tkup@sse.com



Additional information

The best way to keep up to date is to sign up to project updates via the project webpage: <https://bit.ly/48W3BX7>

You can also follow us on social media

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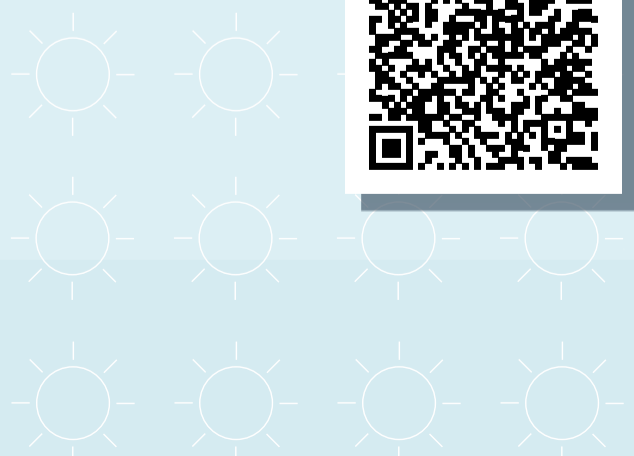


To support everyone online, we provide accessibility and language options on our website through 'Recite Me'. The accessibility and language support options provided by 'Recite Me' include text-to-speech functionality, fully customisable styling features, reading aids, and a translation tool with over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

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

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APPENDIX H CONSULTATION BOOKLET JUNE 2024



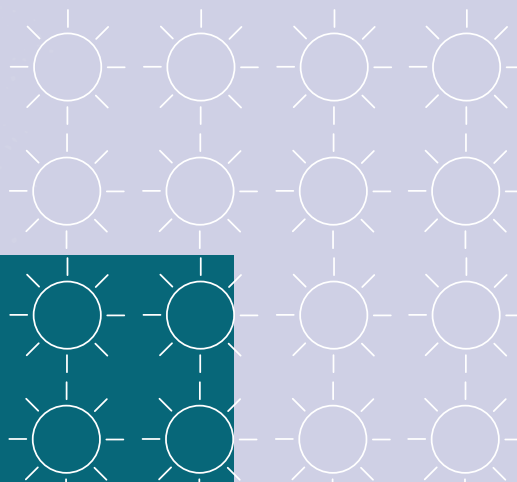
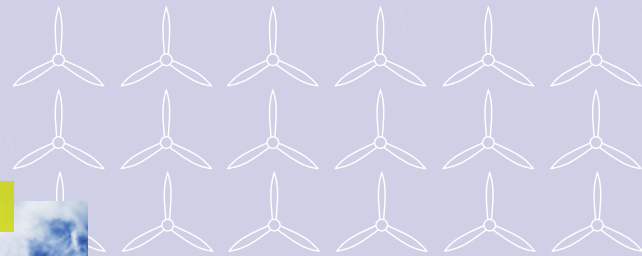
Scottish & Southern
Electricity Networks

TRANSMISSION

Emmock 400kV Substation

Pre-application consultation
feedback event

June 2024



ssen-transmission.co.uk/emmock

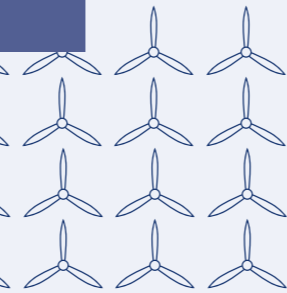
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The consultation events will be taking place on:

5 June 2024 – Tealing Village Hall, Tealing – 2pm-7pm

6 June 2024 - Tealing Village Hall, Tealing - 2-7pm



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 subsea cables and overhead lines (OHL) 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 our host 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 the East Coast of Scotland?

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 locations 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 and at Tealing 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 Tealing 400kV site.

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

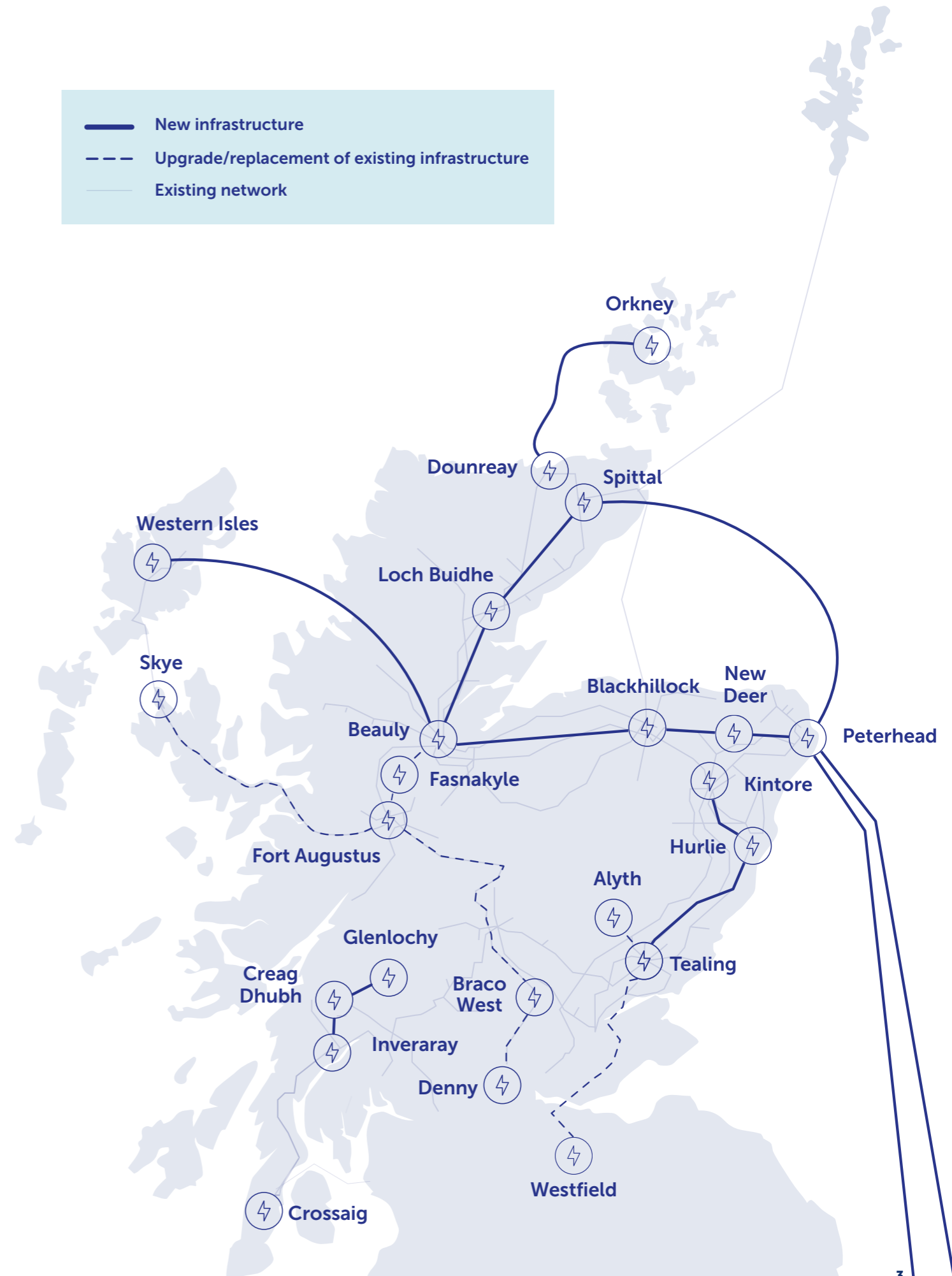
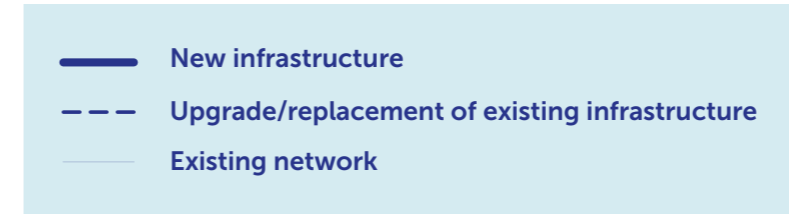
These five projects:

- Kintore - Tealing 400kV OHL
- Hurlie 400kV substation
- Emmock 400kV substation
- Alyth - Tealing 400kV upgrade
- Tealing - Westfield 400kV upgrade

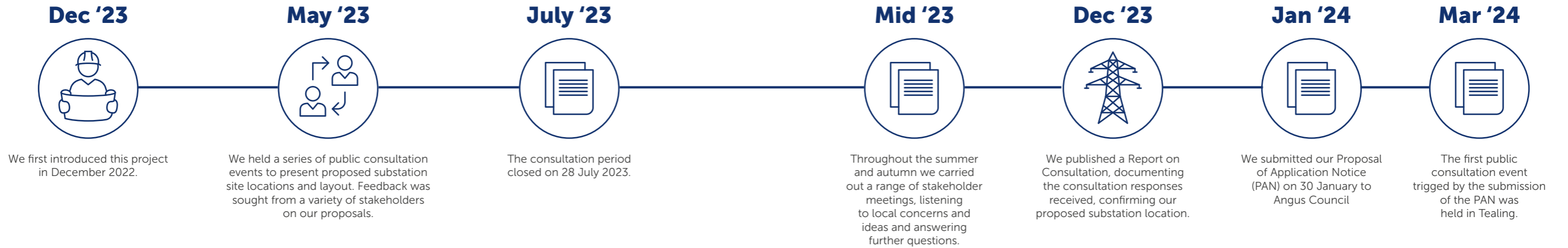
Future network investment requirements

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.



The story so far



Help shape our plans

The work we have planned is significant and has the potential to deliver 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 consulted with you. We will also provide some visualisations and maps to show you where everything will be located and to allow you to see what the proposed substation will look like. These will all also be available to view and download from our project website.

Who we are consulting with

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 Angus Council, local community councils, NatureScot, Scottish Environment Protection Agency (SEPA), and Historic Environment Scotland (HES).



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.

This event is the second of two planned, sequential, public consultation events following the submission of the Proposal of Application Notice (PAN). The PAN submission triggered the initial formal Town and Country Planning (major application) consultation process for this site, including the 12-week (minimum) pre-application consultation period.

Following the initial consultation event, the project team has sought to ensure that comments or concerns raised have informed, where possible, the primary considerations for the designs as they have progressed. This includes substation layout design, landscaping enhancement and screening. Outside of the formal consultation periods and events, we have continued to provide a dedicated webpage for the projects and liaise with a wide range of stakeholders to help inform the development and design.

We are therefore holding this feedback event to present our proposed substation design, which has been informed by stakeholder feedback, and have set out our responses to feedback received to date.

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



Project overview

We're leading some exciting 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, and quickly.

Of the Pathway to 2030 Schemes, the east coast scheme is Kintore – Tealing 400kV projects. This is comprised of five key projects, with all the details on what we're doing for each below.

The new 400kV OHL between Kintore and Tealing

Based on the requirements outlined in National Grid ESO's Pathway to 2030 Holistic Network Design we have developed proposals to reinforce the transmission system. As part of this we are proposing to establish a new 400kV OHL between Kintore and Tealing.

This requires two new 400kV substations to be constructed to connect to this new OHL, one at Fetteresso Forest in Aberdeenshire and one near the village of Tealing in Angus to enable required future connections and export routes to areas of demand.

In addition, two existing OHLs out of Tealing substation to Alyth and Westfield in Fife will be upgraded to operate at 400kV and connect into the new Emmock 400kV substation.

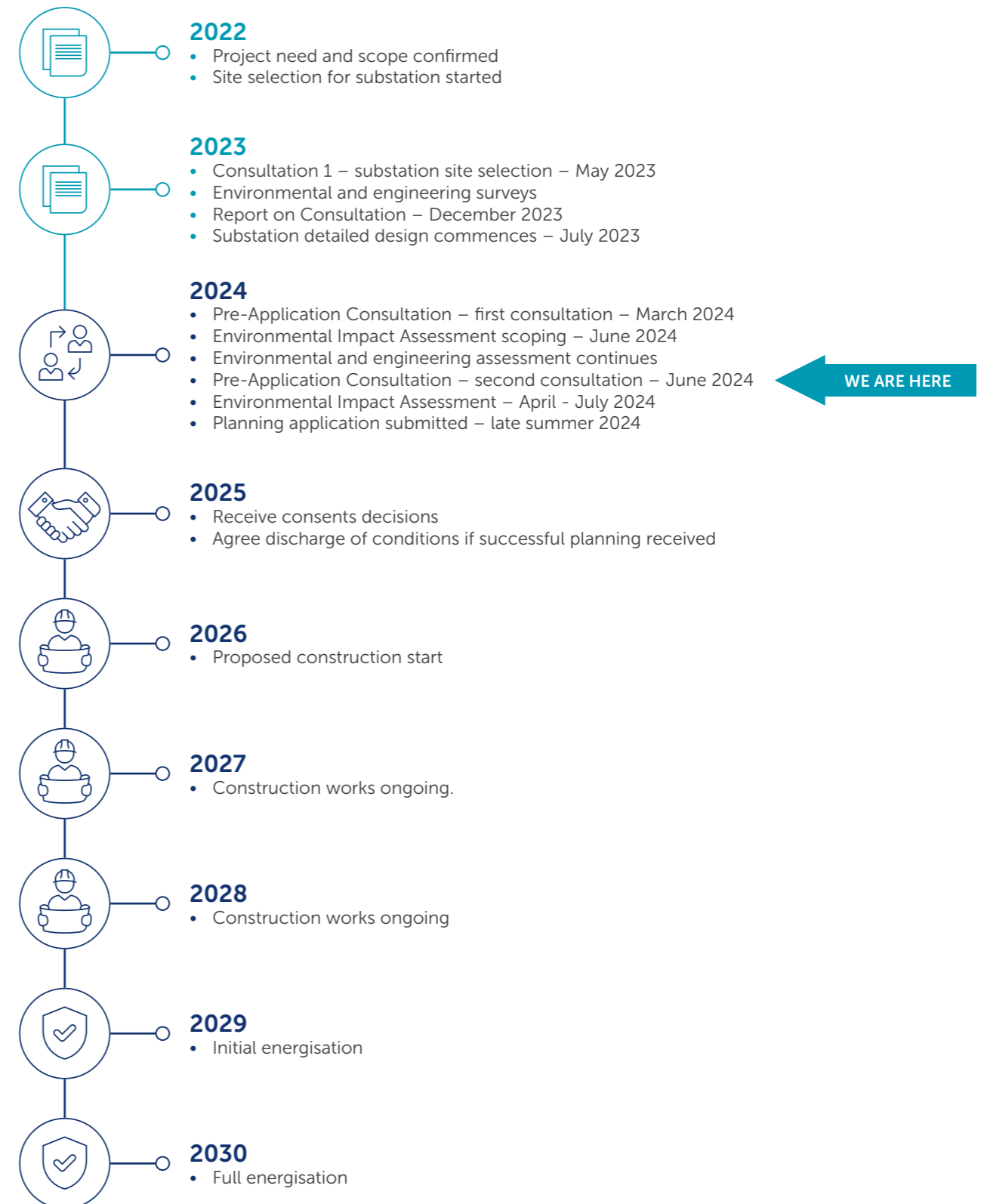
While they have been presented in combined consultation events in May last year, they are separate projects and will be progressed through separate consultation and consenting processes.

New and upgraded OHL connections

The new Kintore to Tealing OHL will connect from the north of the proposed substation site. This will be a new 400kV line supported by new towers. Towers connecting into the substation would be between 40m and 60m in height on average, tower heights will vary where local topography dictates in order to achieve sufficient clearance distances.

- The existing 275kV OHL from Alyth to the existing Tealing substation will be upgraded and connect to the new proposed substation from the northwest. This will require the construction of approximately 1.5km of new OHL to connect the existing OHL to the new proposed Emmock substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will also allow the removal of approximately 3.5km of existing OHL.
- The existing 275kV OHL to Westfield, which connects Scottish Power Transmission's (SPT) infrastructure to the existing Tealing substation, will be upgraded and connect to the new proposed Emmock substation. This will connect from the south west. This will require approximately 0.5km of new OHL to connect the existing OHL to the new substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will leave approximately 1.5km of redundant OHL.
- The new proposed 400kV Emmock and the existing 275kV Tealing substation need to be connected to each other. The proposal is to use the 1.5km section of Tealing Westfield OHL which will become redundant when it is upgraded to 400kV. This will likely require a short section of additional OHL but significantly less than if a new build solution was implemented. There is also likely to be a requirement for an additional OHL circuit between the two sites and this will likely be approximately 1km of new OHL on towers approximately 50m tall.

Project timeline



Feedback

Following submission of the PAN in January 2024, the first of two pre-application consultation events were held at Tealing Village Hall on Thursday 7 March 2024. A total of 135 attendees attended.

During the 6 week feedback period, which closed on 15 April 2024, 212 responses were received. These responses were composed of 116 emails and 96 online responses. In addition, responses were received from statutory and non-statutory consultees. It is not possible to determine how many email and online responses were made by attendees at the event.

Email and online responses raised multiple themes. Of the 212 responses, 309 references were made to impacts on communities (for example, loss of amenity, socio-economic impact, health, employment, tourism). Impacts on various aspects of environmental impact were referenced on 512 occasions, and the consultation process on 98 occasions. No responses noted agreement, although several attendees at the consultation event did say they supported the transition to net zero, but not the approach to enabling it.

Figure 1 below shows the frequency of issues raised by broad theme, with most responses raising issues relating to environmental and community impacts. Figure 2 on the next page shows the frequency specific issues were raised.

Figure 1: Emmock 400kV substation points raised by category

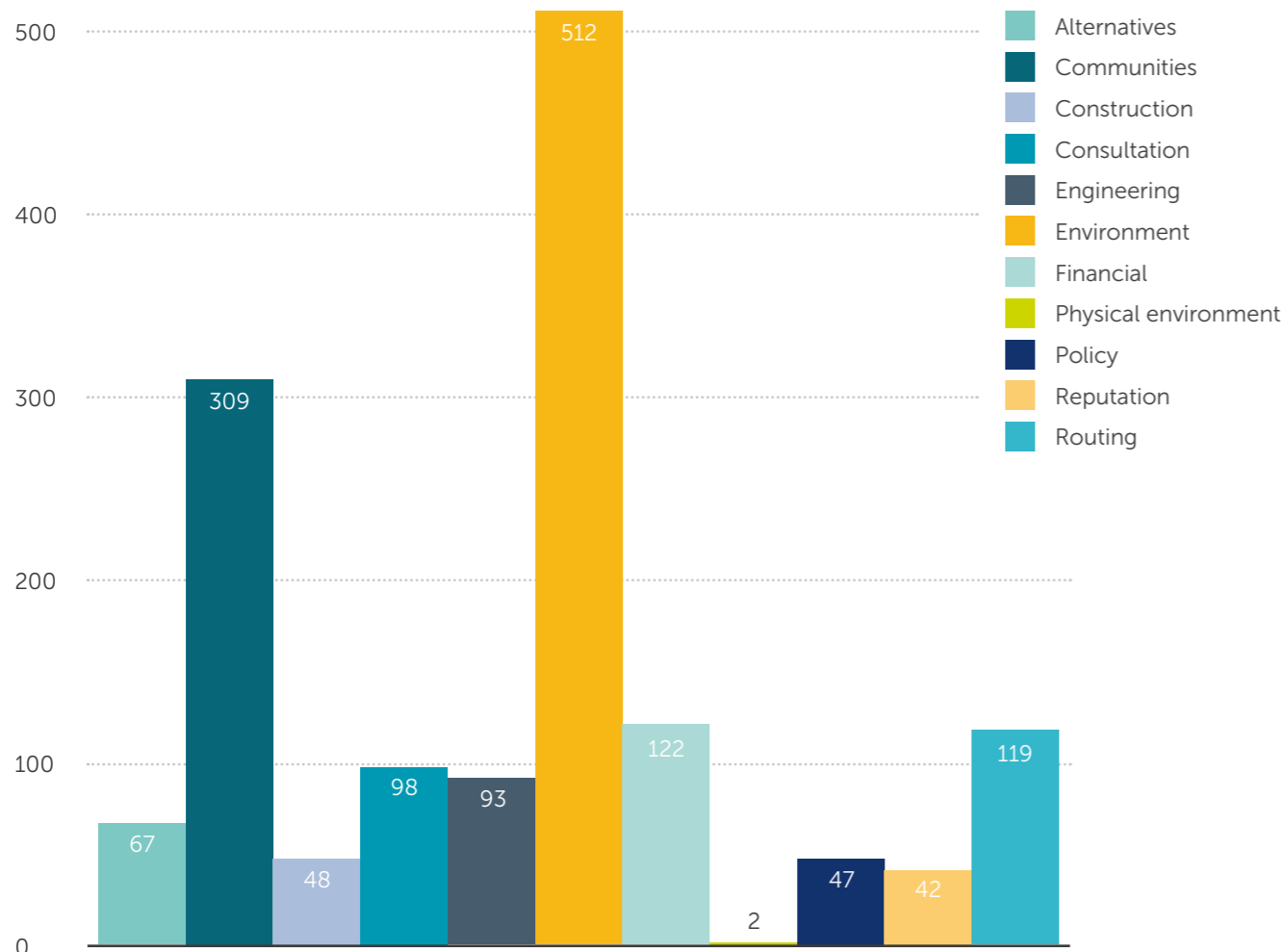
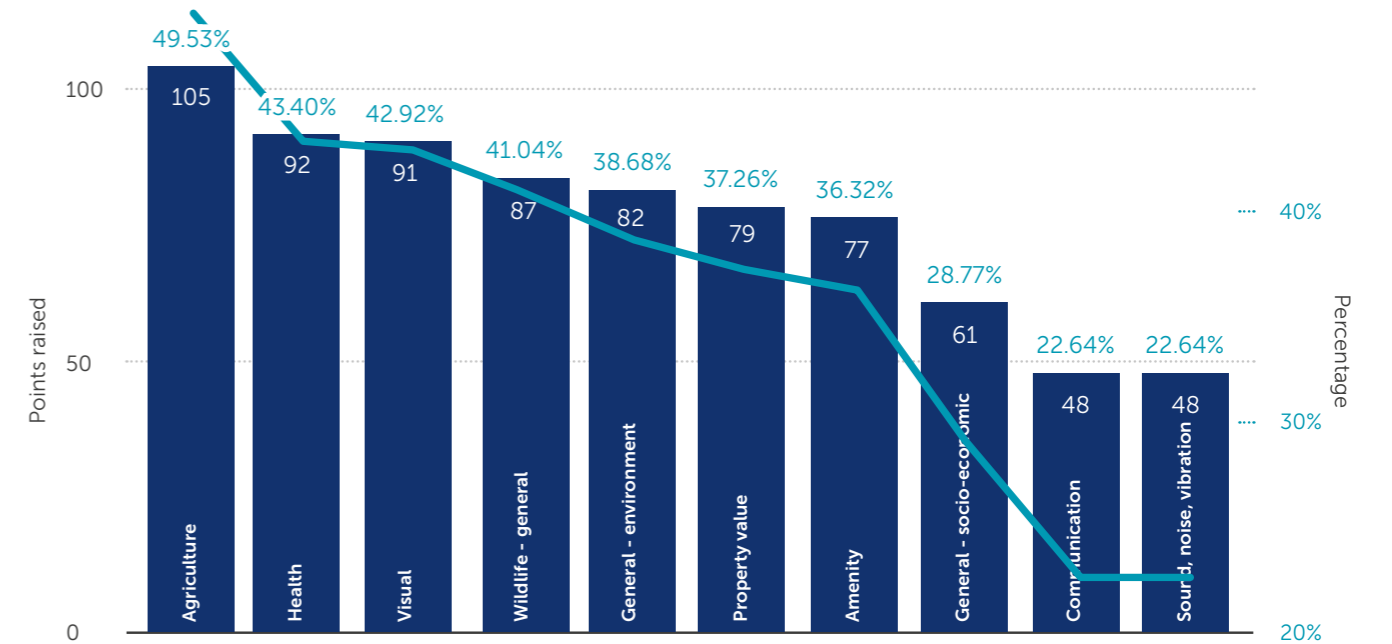


Figure 2: Emmock 400kV substation most frequently raised points



Based on the analysis above, we have organised the feedback around a number of key themes. Those, and our responses, are set out below. In addition, in the following pages, we present updates to the substation design, and explain how those have changed in response to feedback. We also present new information to explain how the construction and development of the substation would likely be progressed and how controls to reduce noise, dust and pollution will be put in place.

Event feedback	Response
<p>Agriculture A number of attendees at the consultation event highlighted the impact on agriculture resulting from the loss of land and the associated impact on food security. It was a common theme among respondents accounting for 16% of all responses.</p>	<p>A key factor in the site selection process was avoiding prime agricultural land. The site avoids that. Notwithstanding, we accept that the land, which currently supports cereal crops under rotation, is an agricultural asset. As a part of the site selection, brownfield and derelict land was considered within the area of search. None was identified that satisfied other requirements, notably, size, avoiding settlements and other sensitive features.</p>
<p>Wildlife Several respondents questioned the impact the proposed development would have on wildlife.</p>	<p>A key driver in the site selection process was to avoid sites which could impact legally protected and locally designated wildlife sites, and avoid land with a rich biodiversity. While the site is currently farmland, and natural habitat limited, there are diverse habitats along the Fithie Burn and to some extent along field margins. The Fithie has been modified along stretches adjacent to the site, and the development provides an opportunity to naturalise the Burn, increasing its biodiversity. Further, we have a company wide commitment to deliver a 10% gain in biodiversity across our major projects. This will be integrated into the proposed development, specifying a diverse range of new grass, wildflower, shrub and tree planting as part of the landscape design, and wetland habitat as part of the drainage design.</p>

Feedback

Event feedback	Response
<p>Health and wellbeing The impact of the substation and of the wider overall project on health and mental wellbeing was discussed by several attendees and accounted for over 12% of online and email feedback.</p>	<p>We are mindful of the uncertainty that our proposals can pose to communities who may be affected. Our process for project development seeks to identify options that provide an appropriate balance across a variety of considerations and interests. We aim to do this as swiftly as possible to minimise the duration of uncertainty for affected communities. However, we are also committed to providing sufficient time and opportunity for all stakeholders to feed into each stage of our project development process, so that views can be understood and wherever possible incorporated into design decisions. This is a balance which has to be carefully managed. We understand that everyone may be impacted in different ways and would be interested in residents' views regarding any additional activities that would help to address their specific concerns.</p> <p>Our responses to these topics can be found at ssen-transmission.co.uk/2030faqs. Our statement on Electric Magnetic Fields (EMFs) can also be found here ssen-transmission.co.uk/emf</p>
<p>Impacts on views Many attendees and respondents are concerned about the impact the proposed substation will have on views from their properties. Concerns about visual impact accounted for 53% of all the issues raised by respondents.</p>	<p>Since our last consultation event, together with our engineering and environmental consultants, we have been examining how we can lower the proposed substation platform (which would house the new electrical infrastructure). As a result of detailed assessments, we now plan to lower the platform from 140.5m Above Ordnance Datum (AOD) to 139.0m AOD. The site falls from around 173m AOD along the northern boundary to 128m AOD along the southern boundary.</p> <p>Visibility from both north and south will be reduced further by landscaping bunds and new planting. Further information is on page 18.</p>
<p>Property values Several attendees expressed concern about the effect of the proposed substation on the values of their homes and their ability to sell, should they wish to.</p>	<p>We understand that there are concerns about the potential impact of our proposed developments on properties within the vicinity of our proposed overhead line alignments and substations sites.</p> <p>These proposals are still under development and are subject to further consultation and design refinement. During this period, we want to work closely with communities and are looking to optimise timescales for decisions on final route alignments and substation location and designs. As the proposed alignments for the overhead lines are determined, and designs of substations are refined, we will engage with property owners, as well as listen to any other concerns there may be. We will look to mitigate impacts on residential properties as far as possible and these impacts will be assessed as part of the Environmental Impact Assessments that will accompany our applications for consent. 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.</p> <p>Concerns in relation to impacts on property are being noted by our team however, as a regulated business, we are obliged to follow a statutory legal framework under the Electricity Act 1989 and Land Compensation Act 1961. For those entitled to compensation under the legal framework, we will assess any claim on a case-by-case basis under the direction of this legal framework. If this is the case, we recommend that those making a claim engage a professional adviser and we will generally meet reasonably incurred professional fees in these circumstances. However, for the avoidance of doubt, we will not meet fees incurred in objecting to our proposed developments.</p>

Event feedback	Response
<p>Amenity Respondents raised concerns about the impact of the project on amenity.</p>	<p>The selection of the site has sought to minimise impacts on the amenity of those living and working in the area from the outset. In terms of impacts on visual amenity, our response is provided above. Regarding residential amenity and the effects that noise may have on the enjoyment of home and outside space, our response on noise is below.</p> <p>The site avoids direct and indirect effects on footpaths and cycleways. The implications for pedestrians and cyclists using the lanes local to the site are addressed under Construction Traffic below.</p>
<p>Noise Many attendees and respondents raised the issue of noise, from both the proposed substation and in combination with the proposed overhead line and other developments such as the battery storage proposals.</p>	<p>There are few properties in the surrounding area having a direct line of sight where noise could be greatest. Further, the formation and planting of landscape bunds will attenuate noise further. We are committed to making sure that noise levels experienced by local residents will be no greater than they are today. Specialist acoustic consultants have been appointed to carry out a Noise and Vibration Impact Assessment which will predict the levels of noise during construction and once the proposed substation is commissioned and under load. Should the assessment suggest that noise will be noticeable at nearby properties, the source of noise will be enclosed and if necessary other measures such as barriers and screens will be incorporated into the design to attenuate noise. The Noise Assessment will include noise from the overhead line, which can be audible in certain weather conditions, and, if the information is available, include noise from the battery storage proposals and other development proposals which may be relevant.</p>
<p>Flooding Several attendees at the event highlighted the issue of flooding. Some attendees expressed concerns that the proposed substation would make the situation worse.</p>	<p>We are aware of and have investigated historic flooding in the area, particularly where the Fithie Burn crosses under the U322 Emmock Road. We are aware too of the frequent flooding from the drain which runs parallel, to the road south of Balnuth. As part of the design work, we have commissioned a full Flood Risk Assessment. This has established that the proposed substation will not increase the likelihood of flooding. Indeed, we are exploring how we could reduce flooding by modifying the shallow channel which runs along Emmock Road and by naturalizing the Fithie Burn. Further information is provided on page 18.</p>
<p>Construction traffic Several attendees and respondents raised concerns about the level of construction traffic coming through the village and that contractors involved at Tealing and Seagreen substations had ignored their concerns.</p>	<p>While we are yet to finalise our assessment, we are examining the feasibility of routing construction traffic from the south of the site, coming off the A90 at Claverhouse, following the U322 Emmock Road towards Powrie, crossing the railway and continuing towards the site via Myreton of Claverhouse. We recognise that construction traffic can be a significant concern to other road users and the wider community, in terms of safety, noise and dust. Peak movements will occur when we anticipate the need to import stone during the formation of the platform. This phase is likely to continue for 12 months. Further information is provided on page 19 below. A Construction Traffic Management Plan will be one of the many requirements of any planning permission. This will prescribe the routes to be taken by contractors and prohibit the use of some local roads. It will restrict when deliveries can be made, to avoid key times of the day, and ensure that any repairs to roads, culverts, ditches and verges are made soon after being reported. The Community Liaison Group will be a forum to ensure traffic impacts are minimised.</p>

Feedback

Event feedback	Response
<p>Site size and creeping industrialisation Many attendees at the event complained of the size of the proposed substation, relative to the village and of the industrialisation of the surrounding area. Some raised the concern that the substation will get bigger in the future.</p>	<p>The requirements for a new substation were set out in the Consultation Document published in May 2023 which explained the factors taken into account when selecting the site, which in brief, included being close to the existing substation, sufficiently large and open, while avoiding prime agricultural land and legally protected sites, existing infrastructure and future development, areas of settlement, water courses and areas vulnerable to flooding. The site meets many of these requirements while providing opportunities to avoid or reduce impacts on the community and environment. The substation platform will be cut into the slope of the fields and landscaping will be provided to screen views of the site. Further information on how the design of the substation has aimed to reduce impacts is on page 17.</p> <p>The size of the proposed substation is determined by the extent of the electrical infrastructure required by the new (Kintore to Tealing) and uprated (Alyth and Westfield) 400kV infrastructure and by the assessment of future connection needs and by our licence obligation to provide a secure and reliable network.</p> <p>As License Holder, we have a legal duty to provide a connection requirement to any generation license holder if requested. We cannot predict future connection requirements but continually assess trends in generation and demand to ensure that the grid is capable of responding to new connection demand and supply needs. Currently, we are aware of five contracted projects that may connect into substations at Tealing, which are at various stages of development, including the Fithie Energy Park proposals by Banks Renewables Group and Balnuth Battery Energy Storage System (BESS) by developer GPC. Details of these projects, and others, contracted connection dates, consenting status and capacity (Transmission Entry Capacity – TEC) can be found on the TEC Register nationalgrideso.com/data-portal/transmissionentry-capacity-tec-register</p> <p>These proposals will be taken into account in the Environmental Impact Assessment (EIA) which will address the cumulative effects of the proposed substation, the new overhead line, the two battery storage proposals and possibly other projects which come into the planning process as the EIA is being carried out.</p> <p>We understand the concern of the Tealing community regarding further expansion. The proposed substation has been designed to take account of foreseeable future needs. However, the rate at which future connection capacity will be used is unpredictable, as it is driven by market and commercial factors over which we have no control. It will be for the consenting authorities to determine if and when new developments requiring a connection come forward.</p>
<p>Implementing contractor commitments Several attendees raised concerns that the landscaping promised at the existing substation and Seagreen substation has not been properly implemented, and has never fully established because of poor maintenance and a failure to control grazing by deer.</p>	<p>We are committed to delivering our and our Contractors commitments, not only to new planting but other measures which safeguard the community of Tealing. To ensure this is the case at the Emmock site, we will be appointing an independent environmental contractor, reporting to a Liaison Group made up of statutory stakeholders, which will include Tealing Community Council, to ensure all environmental management and mitigation requirements, set out in planning conditions and contracts are implemented and effective. We will also require, as a condition of contract, that the Contractor establishes a Community Liaison Group, to give the Tealing community direct access to the Contractor to address grievances and concerns.</p>

Event feedback	Response
<p>Community and local economy Several respondents raised the potential impact of the proposed development on the community and local economy. Concerns were expressed on the impact to local tourism businesses, and that increasing industrialisation will mean that families will move away from the village, leading to its decline.</p>	<p>For each project we develop, we conduct a Landscape and Visual Impact Assessment, as part of the Environmental Impact Assessment in which we consider visual impact from centres of population, and walking paths and tourist sites, and where possible reduce any potential negative visual impacts, as we have described above.</p> <p>We are in the process of establishing a Community Benefit Fund which will enable us to work directly with local communities to support initiatives across northern and eastern Scotland. We want to give back to the communities hosting our transmission network and to help fund projects that can leave a lasting, positive legacy in those areas.</p> <p>In terms of broader community benefits, our Pathway to 2030 projects will boost the economy, support local jobs and businesses. Recent studies show our Pathway to 2030 programme could contribute over £6 billion to the UK's economy, support 20,000 jobs across the UK and benefit Scotland by around £2.5 billion, supporting 9,000 Scottish jobs. We typically hold 'Meet the Buyer' events prior to the construction phase to connect our principal contractors with local businesses and this has proven to be an effective means of sharing the economic benefits of our projects with local communities. We are also actively seeking opportunities to accommodate our workers in a way that provides a range of local benefits. We have prepared an information booklet which describes the benefits we anticipate from our projects and our thinking on how community benefit funding might work. ssen-transmission.co.uk/communitybenefit</p>
<p>Failure to adequately consult Many respondents suggested the consultation process adopted was inadequate, in that insufficient information was provided and insufficient time for communities to respond was provided.</p> <p>Many respondents questioned their ability to influence the project, expressing the opinion that the decision to proceed was already made.</p> <p>Concerns were raised at the absence of consultation by the ESO in defining future energy needs, how they should be met and the rationale for the Kintore to Tealing project and new substation at Emmock in particular.</p>	<p>We are committed to meaningful and constructive engagement with local communities and residents throughout the development process to seek input and feedback into our proposals. As we consult and develop our projects, we aim to be open and transparent with communities, engaging as early as possible to seek input into our early plans.</p> <p>We share our plans in different formats and through different channels and are continuing seeking ways to improve how we share information and seek inputs.</p> <p>We aim to engage as early as possible with the communities where we may have an impact. Our initial engagement in May 2023 aimed to introduce the project and explain the rationale for selecting the site. Our Report on Consultation in December 2023 presented our analysis of the feedback to that consultation and confirmed our plans to take the Emmock site into the planning process. Our formal consultation event in March this year presented our proposals at that stage. We have continued to progress our design and resolve areas of community and environmental impact in the process. Our aims at this point are to share our latest designs, show how they have aimed to address feedback and highlight where design work may continue as we prepare for our planning application.</p> <p>We have prepared a separate handout which explains how the need for the project has been determined and the role of the ESO which is available here. ssen-transmission.co.uk/2030-need</p>

Feedback

Event feedback

Feedback from statutory and non-statutory consultees

Response

Our consultation booklet published in March 2024 to support our formal consultation events, was issued to Angus Council, Historic Environment Scotland (HES), NatureScot, Scottish Environment Protection Agency, (SEPA) Glamis and Area and Tealing Community Councils and various non-statutory consultees.

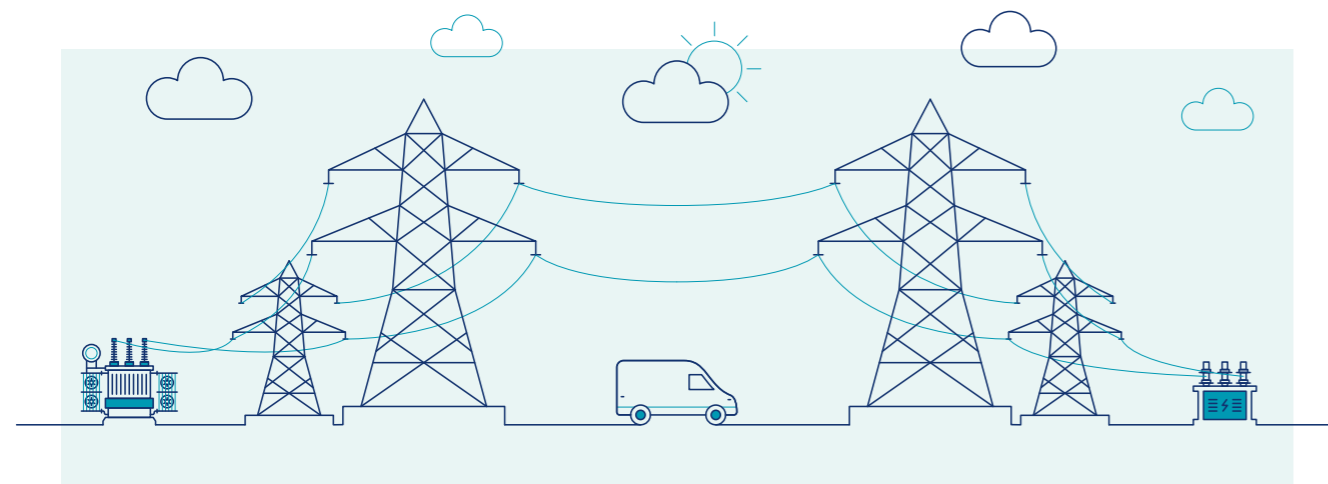
HES welcomed the fact that the EIA will include an assessment of the impact of the project on designated heritage assets and the inclusion of a cumulative impact assessment. NatureScot advised that there would be no likely significant effect on the Firth of Tay and Eden Estuary SPA nor the Loch of Kinnordy and Loch of Lintrathen SPAs. Nor on the Outer Firth of Forth and St Andros Bay Complex SPAs.

In relation to biodiversity enhancement and NPF4 Policy 3, NatureScot encouraged that biodiversity enhancement should be an integral part of the project from the outset. No responses were received from Angus Council or SEPA, although both have provided feedback at the initial consultation in May 2023 and have continued to through the regular engagement we hold with all the statutory consultees.

The Ministry of Defence pointed to the possibility of low flying aircraft and advised that it will seek a planning condition requiring that details of any tall structures at the site are charted. National Gas Transmission advised of the need to ensure we engage with them as the proposals develop to ensure no conflicts with national infrastructure.

That engagement has been ongoing since 2022 and will continue throughout the design and planning processes.

Glamis Community Council raised concerns regarding risks to tourism, farming and health, suggesting impacts could be mitigated by placing the OHL offshore or underground. While the response did not refer to the proposed substation specifically, many of the issues it raised reflect those by the wider community and which have been addressed above.



The substation site

About the site

Following our site selection consultation, in May 2023, we advised within our Report on Consultation that site 4 at Balkemback Farm in Tealing, off Emmock Road had been selected as our proposed site for the substation ahead of our first Pre-Application Consultation event earlier this March.

This site is considered best on balance due to the following:

- There are fewer residential properties in close proximity to the site
- Nearby cultural heritage assets identified are unlikely to be adversely impacted by the development
- The site offers efficient connection to the existing Tealing substation, reusing redundant sections
- The requirement of new infrastructure needed to connect upgraded existing circuits is minimised
- The location allows over 3km of existing 275kV OHL to be removed.

What size is the site

Whilst we are including a larger area in our PAN boundary than is required for just the substation, the area needs to contain all elements of the development.

The substation platform will be approximately 675m x 285m and will consist of:-

- 22x bay 400kV double busbar with the following allocation:-
 - 2x bus sections
 - 3x bus couplers
 - 3x 400/275kV 1200MVA SGTs
 - 2x feeder bays for 400kV OHL to Hurlie/Kintore
 - 2x feeder bays for 400kV OHL to Alyth
 - 2x feeder bays for 400kV OHL to Westfield
 - 6x future feeder bays
 - 2x reactors (maximum height 11m)

A single storey control building (maximum height 7m) which contains ancillary equipment will be required to operate the substation including control panels and low voltage AC and DC systems.

Currently, the tallest equipment in the substation will be the busbar at approximately 14.5m. There may be a requirement in the future that the proposed reactors are placed with larger network stability equipment which can be up to 18m tall with a footprint of approximately 95m x 45m.

What else will the development consist of? Drainage

Drainage arrangements and SuDs ponds will be included in the planning application.

Temporary compounds

Temporary construction compounds and laydown areas will be located close to the new site access to support the construction phase. Additional temporary construction compound and laydown areas, if needed, will be identified by the construction contractor prior to commencement of works.

Access Roads

A new permanent access will be formed off Emmock Road.

Landscaping bunds

Landscaping bunds will be created around the substation platform, and planted with native shrubs, grasses and flora to reduce landscape and visual impact and to improve the biodiversity of the site compared to its previous agricultural use.

Lighting

While the lighting strategy has not yet been defined, it will adopt the following broad principles; lighting will be kept to the minimum to ensure safe operations and security; individual light clusters will be low-level, narrow beam, and directed downwards to minimise glare and light spill; different lighting configurations and designs will be adopted for different parts of the site and will be appropriate for use; landscape bund design and positioning will support the reduction of glare and light spill experienced by the local community.



Substation site layout

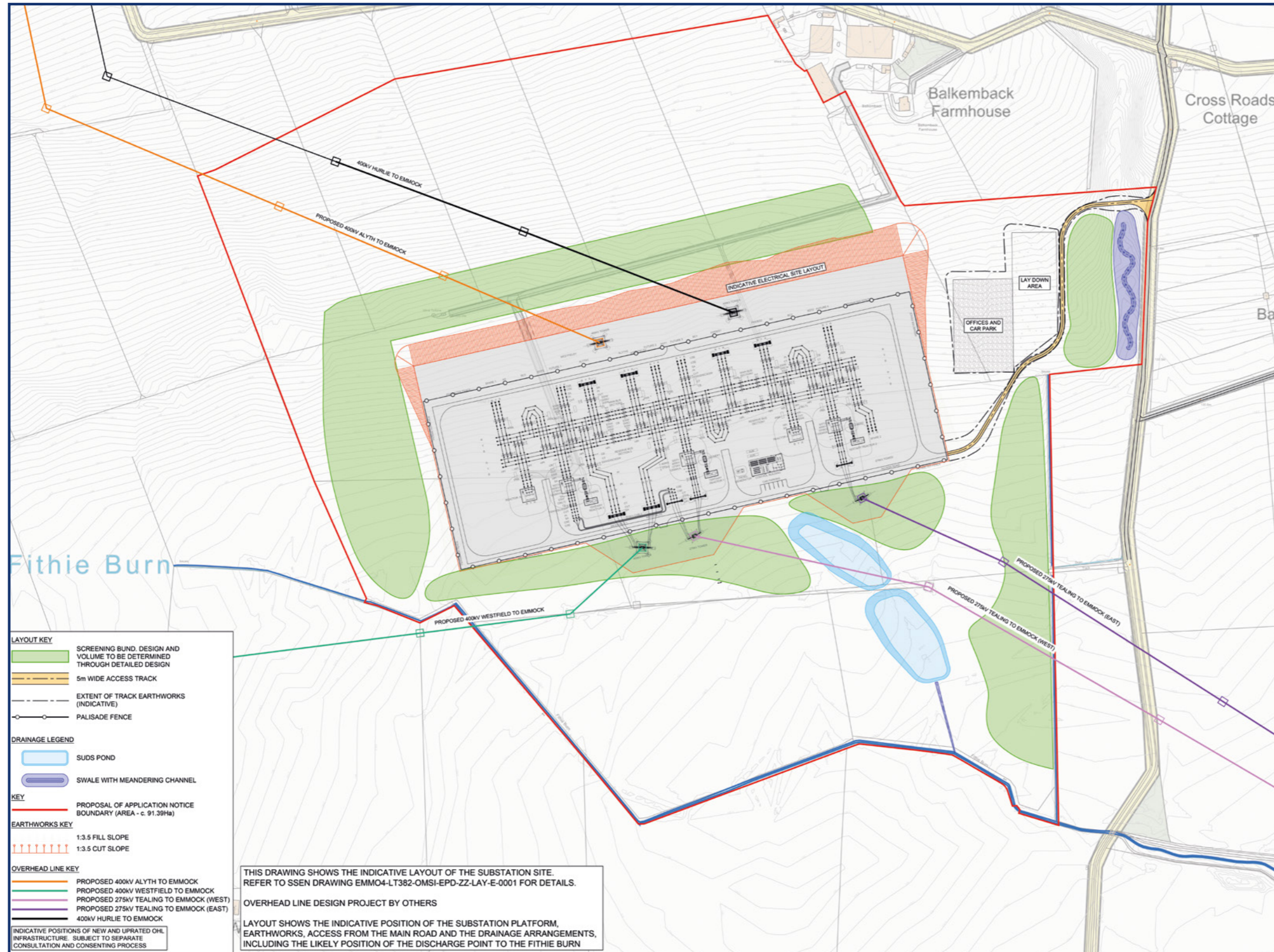


Figure 3: Indicative site layout

Overview of key design changes

Substation design

Since our last consultation, we have refined our substation design by reducing the platform width slightly from 300m to 285m and by lowering the platform from 140.5m to 139m. Combined with the landscaping bund and design along the north of the substation platform, this reduces the visibility of the substation equipment from the north.

This also reduces the height of the fill along the southern edge of the platform. The new terminal connection towers connecting with new (from Kintore) and updated (from Alyth and Westfield) 400kV overhead lines will be the main visible elements.

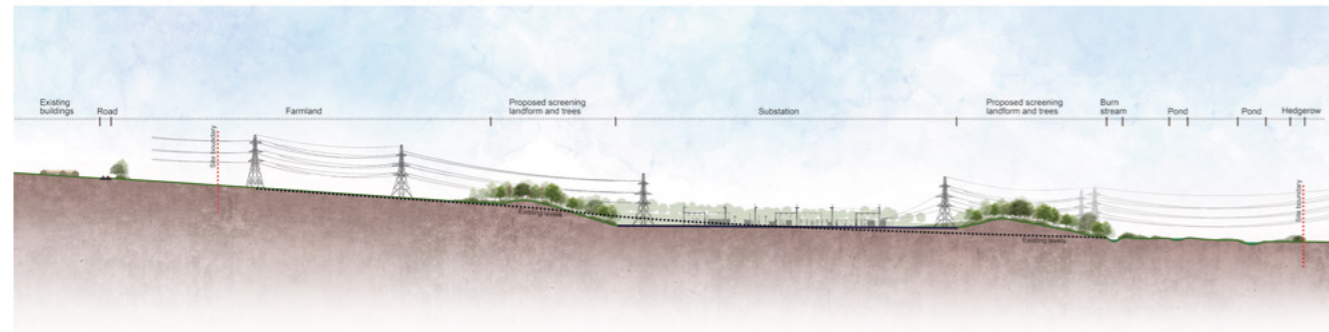
We have redesigned the access to the site, moving it further away from Balnuth, reducing direct views of the site. We have repositioned the landscape bund closer to the eastern boundary, and sited the compound and laydown area immediately behind the bund, screening views from Balnuth.

This and the bund running the full length of the eastern boundary will be formed and planted early in the construction programme to maximise its benefit in screening the construction works. We intend to reshape the channel which currently drains the hills above the site into the Fithie Burn to slow storm flows and reduce risks from flooding the Emmock Road.

To meet safe operations requirements and minimise overall access requirements, the terminal connection towers and the connection points within the substation have been increased from 25m to 75m which has required that the platform has been extended.

Rather than increase the whole platform, the platform has been extended locally, in a trapezoidal shape by approximately extensions which are approximately 45m have been limited to around the tower bases. Having the towers located at the same level as the platform reduces the overall height of them.

Figure 4: Image showing site topography and effect of cut and screening



Landscape design

Since our last consultation, we have refined our substation design by lowering the platform from 140.5m to 139m.

With the exception of repositioning the bund adjacent to the new access, there have been no major changes to the landscape design. Since our last consultation, the design has been further developed. The landscaping proposals will introduce a variety of habitat types that will provide both visual screening and improved opportunities for biodiversity. Broadleaved woodland, with species such as rowan, willow, hazel and birch will be complemented by grass meadows and wildflowers. Hedgerows of holly, dog rose and alder will be provided to allow connection for species through the creation of 'wildlife corridors'. Collectively the planting proposed will be designed to ensure that habitats are created for invertebrates, mammals and avian species.

As indicated above, SSEN Transmission has a policy commitment to deliver 10% more biodiversity compared to the baseline condition.

At Emmock, while the site is predominantly arable land, there are diverse habitats along the field margins and Fithie Burn.

Our landscaping proposals indicated above have been developed with our BNG requirements in mind and this would be reflected in the habitat creation and species selections we make as part of that design.

There have been no amendments to the drainage design, with the exception of minor repositioning of the SuDS ponds to accommodate the repositioned 275kV overhead connection to the existing substation.



Figure 5: Indicative landscape design

The construction process

Construction

The overall construction programme is three years, with a fourth year required for commissioning and testing. The broad programme and main construction HGV (Heavy Goods Vehicles) requirements are illustrated below.

Figure 6: Indicative high level construction programme

Activity	Estimated HGV movements/ activity duration	2026				2027				2028				2029			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
Mobilisation	10-15																
Form access road, temporary compound, clear site	250																
Install drainage, form compound	500-600																
Cut and fill earthworks	20-40																
Form landscape bunds	Using on site equipment																
Install capping layer over platform	15,000-20,000																
Foundations for control building and steelwork	450-550																
Form SuDS network	Using on site equipment																
Landscape planting	5-10																
Security fencing	5-10																
Mobilisation	75																
Installation of support steelwork	30-35																
Installation of primary equipment and steel gantries	70-80																
Delivery and installation of transformers	3																
Delivery and installation of reactors	6																
Installation of secondary equipment and cabling	40-50																
Commissioning	0																

Managing impacts during construction

Over several years, we have developed and implemented management plans aimed at avoiding and managing construction environmental impacts.

These include an overarching Construction Environmental Management Plan, individual plans to control specific aspects such as noise, dust, and construction waste, working near water courses, working in different habitats, and Construction Traffic Management Plans.

These will be implemented as a condition of the Principal Construction Contract. In addition, the Contractor will be required to prepare additional plans to cover specific requirements that arise through the EIA process, including a Community Engagement Plan. Effective implementation of all of these will be assured through an independent auditor that we will appoint but which will report to statutory consultees, including Tealing and Glamis and Area Community Councils. In that way, the community will have a direct route to ensure we and our Contractors address any issues that adversely affect the community.

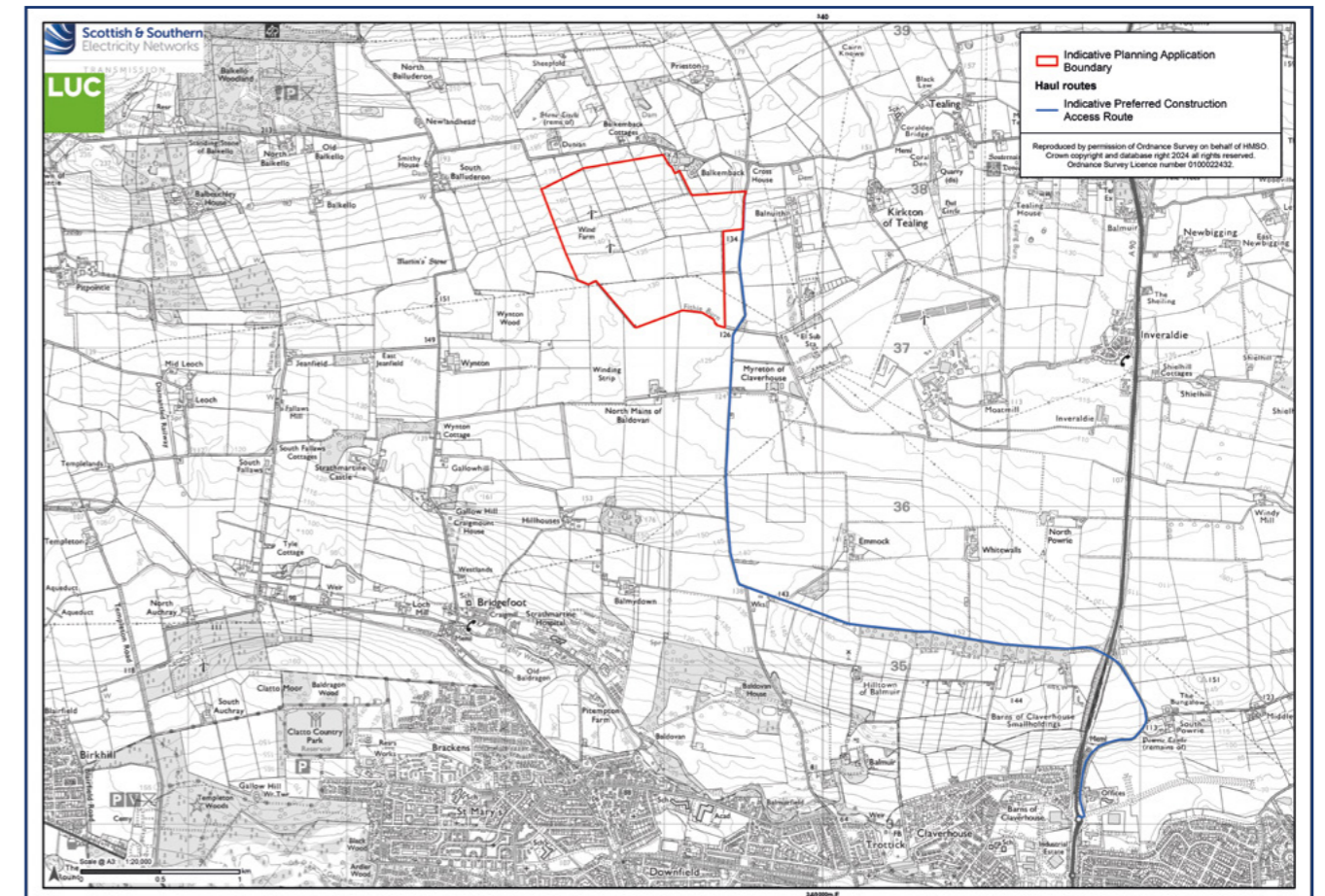
Construction access

Since our last event, we have examined options for construction access which avoid traffic through the village.

Our proposed approach is that HGV traffic will follow the U322 Emmock Road from the south.

It is likely that the small bridge over the Fithie Burn will need to be strengthened. A detailed survey will be undertaken of culverts and other structures and strengthening and replacement will be undertaken as required. Some passing places may need to be formed.

Figure 7: Indicative construction access



Other projects in the local area

We know that local stakeholders are keen to understand the full extent of future developments being proposed in their local area.

Below we outline those projects that we have sight of.

SSEN Transmission projects

Due to the number of developer connections in the area, SSEN Transmission are requiring to extend the existing 132kV Tealing substation.

This is required to provide space provision for at least two BESS developments to connect. The project is at a very early stage of development and the full requirements are yet to be established.

However, it is likely to require a small extension to the platform into where the current Balfour Beatty construction compound is located in the south east corner of the site. It would require forming an extension of the existing platform by approximate 80m x 90m.

The project consists of a platform extension, earthworks, upgrading equipment, additional bays to facilitate all required connections and all associated protection and control upgrades which may require additional buildings to be erected.

These works are in addition to the ongoing 275kV and transformers works at Tealing which is now due for completion by December 2024.

A list of projects that hold contracts for Transmission Entry Capacity (TEC) with National Grid, the Electricity System Owner is available from their website: nationalgrideso.com/data-portal/transmission-entry-capacity-tec-register

Other projects

Applications from commercial developers, such as wind farms and Battery Energy Storage Systems (BESS) operators, to connect to the transmission network are made to National Grid ESO and undergo a lengthy process before we begin to develop a network connection for developments applying in our license area.

We aim to be transparent about the renewable developments looking to connect to our network but are not permitted to disclose any details of these developments until they are in the public domain.

As indicated earlier, we are aware of five contracted projects that would connect into either the existing Tealing substation or the proposed Emmock substation.

OnPath (formerly Banks Renewables Group) has recently submitted a Screening Opinion Request to the Energy Consents Unit concerning its Fithie Energy Park proposals for a 1400MW battery energy storage system on land between Balnuith and the existing Tealing substation.

In addition, Apatura has submitted a proposal for a 100MW battery energy storage facility on a parcel of land surrounded by the OnPath proposal.

17 Acres Bess, Isenau Two and Isenau Five also have contracted offers to connect in to the existing Tealing substation. These projects are in very early development as their connection requirements are not yet fully resolved.

3D visualisations

We understand that local 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 substation into the local landscape to help the understanding of the proposals in terms of the visual impact, distance, and height.

The following are some images taken from the 3D model to inform our consultation event.

To get a better sense of the proposals in full 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 layout and colour of our proposals may change based on feedback and further refinement of the design, if that happens, we'll update our model and video and share this on our webpage and with you at the next event.

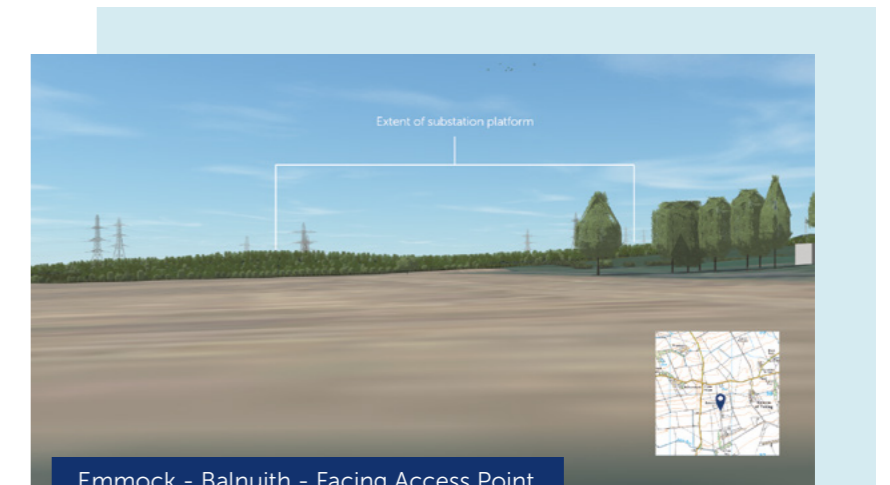
Photomontages

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 planning application, we'll ensure these photomontages are available to view.



Find out more

Scan the QR code with your smartphone to view our most up to date 3D visualisations on the project website.



Emmock - Balnuith - Facing Access Point



Emmock - VP4 - Myreton of Claverhouse



Emmock - VP6 - Dunian

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 intend to submit our planning application in late summer 2024. Our formal feedback period will close on 17 July 2024, however we will welcome final comments from members of the public, statutory consultees and other key stakeholders regarding our proposals until we submit our planning application.

How to provide feedback

Submit your comments and feedback by emailing or writing to your Community Liaison Manager.

Any comments made to us as the Applicant are not representations to Angus Council as the planning authority.

There will be opportunity to make formal representations to the planning authority following the submission of the planning application.

What we're seeking views on

During our last public consultation event in March 2024, we wanted to know your thoughts on our project plans, where you thought we could make improvements, and any changes and refinements we'd made.

We are now asking for any final comments or feedback ahead of submitting planning applications for the Emmock 400kV substation project. It would be helpful to share any opportunities to deliver a local community benefit you would like us to consider.

We'll be actively looking to mitigate the impacts of the site as much as possible over the coming months, but 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 a local community benefit you would like us to consider.

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

Rhiannon Merritt
Community Liaison Manager



SSEN Transmission
10 Henderson Road,
Inverness, IV1 1SN

E: 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/emmock

You can also follow us on social media

 [SSEN-Transmission](#)

 [SSETransmission](#)



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.

Notes

Blank area for taking notes, consisting of multiple horizontal lines.



Scottish & Southern
Electricity Networks

TRANSMISSION

APPENDIX I INFORMATION BANNERS EVENT 2

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 subsea cables and Overhead Lines (OHL) 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 our host 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



ssen-transmission.co.uk/emmock



tkup@sse.com

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 the East Coast of Scotland?

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 locations 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 and at Tealing to enable future connections and export routes to areas of demand.

- New infrastructure
- - - Upgrade/replacement of existing infrastructure
- Existing network

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 Tealing 400kV site.

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

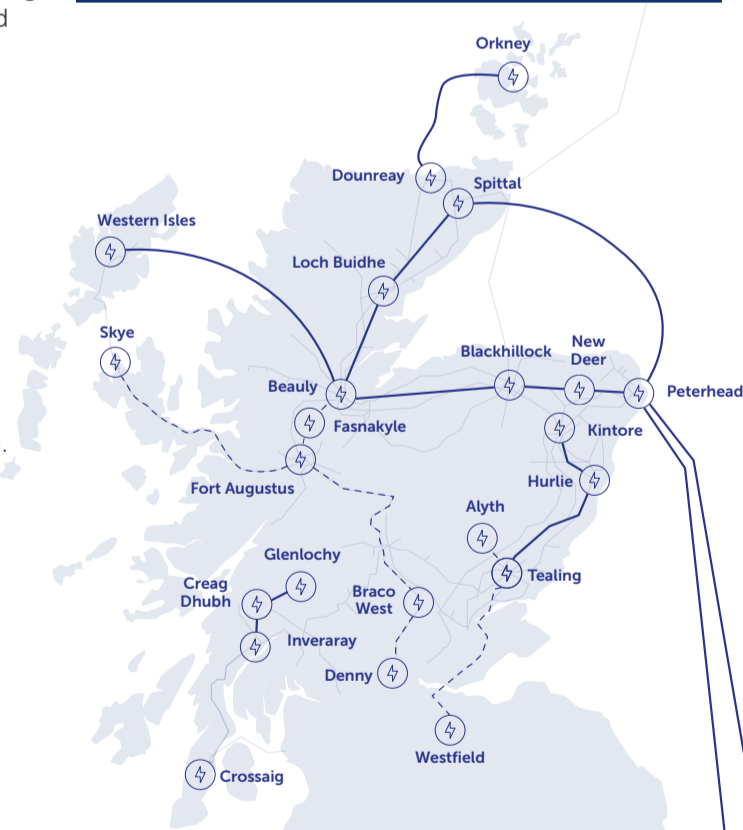
These five projects:

- Kintore - Tealing 400kV OHL
- Hurlie 400kV substation
- Emmock 400kV substation
- Alyth - Tealing 400kV upgrade
- Tealing - Westfield 400kV upgrade

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.



Project overview

We're leading some exciting 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, and quickly.

Of the Pathway to 2030 Schemes, the east coast scheme is Kintore – Tealing 400kV projects. This is comprised of five key projects, with all the details on what we're doing for each below.

The new 400kV OHL between Kintore and Tealing

Based on the requirements outlined in National Grid ESO's Pathway to 2030 Holistic Network Design we have developed proposals to reinforce the transmission system. As part of this we are proposing to establish a new 400kV OHL between Kintore and Tealing.

This requires two new 400kV substations to be constructed to connect to this new OHL, one at Fetteresso Forest in Aberdeenshire and one near the village of Tealing in Angus to enable required future connections and export routes to areas of demand.

In addition, two existing OHLs out of Tealing substation to Alyth and Westfield in Fife will be upgraded to operate at 400kV and connect into the new Emmock 400kV substation.

While they have been presented in combined consultation events in May last year, they are separate projects and will be progressed through separate consultation and consenting processes.

Emmock 400kV substation

This consultation is focused on the proposal to build a new 400kV substation required near Tealing. The new substation will be located approximately 1km northwest of the existing 275kV substation at Tealing. The new proposed substation will be an outdoor, Air Insulated Switchgear (AIS), 400kV substation.

The electrical equipment will sit on a development platform approximately 675m x 285m, with two small extensions to enable the OHL tie-ins. The size of the wider site containing the platform, landscape areas and Sustainable Urban Drainage (SuDs) ponds is to be confirmed but is likely to be in the order of 90 hectares.

The overall size of the new substation is influenced by a range of factors, including:

- Plant and equipment required for current network plans. Space provision required for future renewable energy generation projects.
- Areas for drainage, landscaping/screening and habitat enhancement.
- Permanent and temporary access roads.
- Temporary areas required during construction for laydown and welfare.

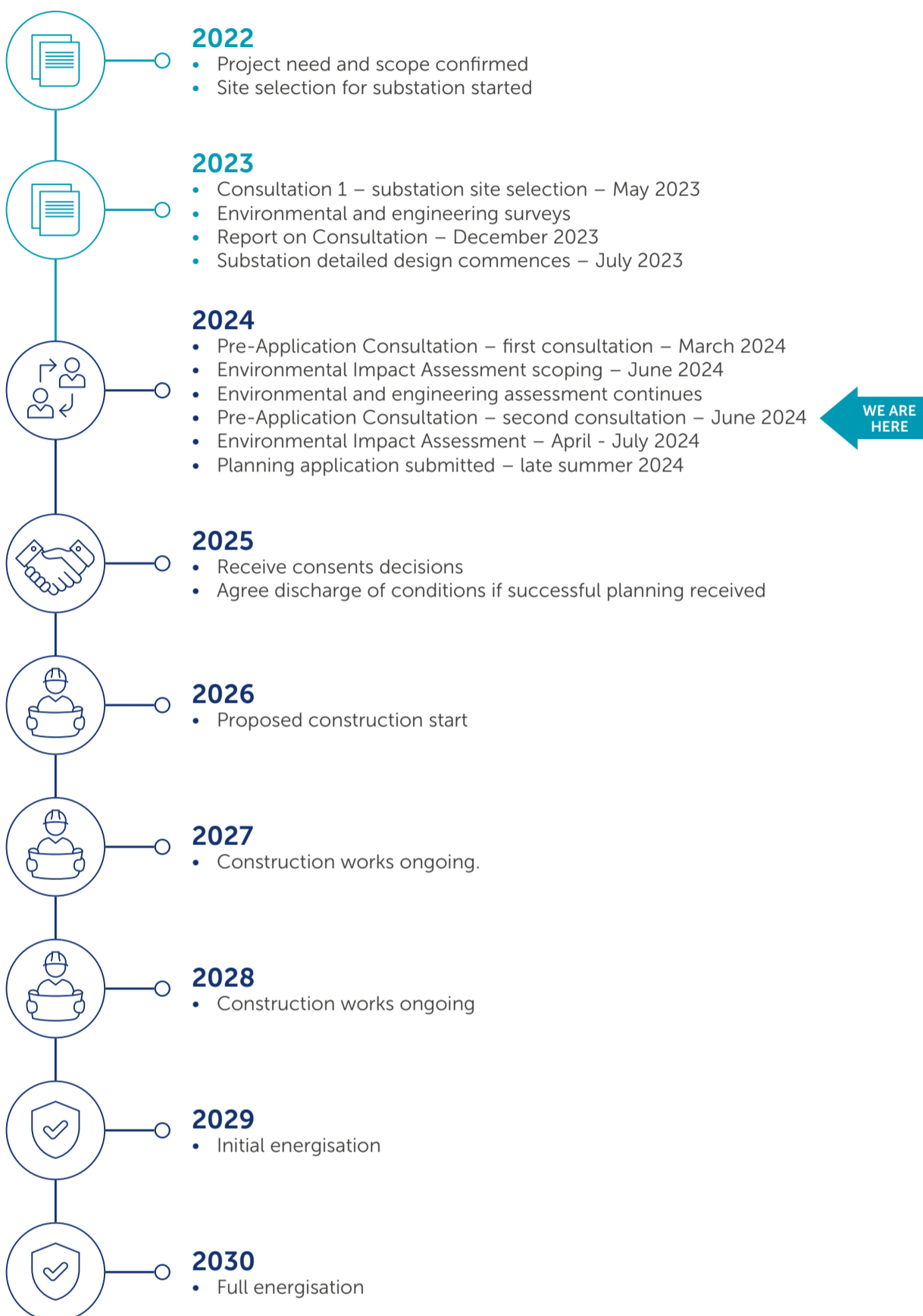
New and upgraded OHL connections

The new Kintore to Tealing OHL will connect from the north of the proposed substation site. This will be a new 400kV line supported by new towers. Towers connecting into the substation would be between 40m and 60m in height on average, tower heights will vary where local topography dictates in order to achieve sufficient clearance distances.

- The existing 275kV OHL from Alyth to the existing Tealing substation will be upgraded and connect to the new proposed substation from the northwest. This will require the construction of approximately 1.5km of new OHL to connect the existing OHL to the new proposed Emmock substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will also allow the removal of approximately 3.5km of existing OHL.
- The existing 275kV OHL to Westfield, which connects Scottish Power Transmission's (SPT) infrastructure to the existing Tealing substation, will be upgraded and connect to the new proposed Emmock substation. This will connect from the south west. This will require approximately 0.5km of new OHL to connect the existing OHL to the new substation. These new towers will match the existing towers on that line and will be approximately 50m tall. This will leave approximately 1.5km of redundant OHL.
- The new proposed 400kV Emmock and the existing 275kV Tealing substation need to be connected to each other. The proposal is to use the 1.5km section of Tealing Westfield OHL which will become redundant when it is upgraded to 400kV. This will likely require a short section of additional OHL but significantly less than if a new build solution was implemented. There is also likely to be a requirement for an additional OHL circuit between the two sites and this will likely be approximately 1km of new OHL on towers approximately 50m tall.



Project timeline



Feedback

Following submission of the PAN in January 2024, the first of two pre-application consultation events were held at Tealing Village Hall on Thursday 7 March 2024. A total of 135 attendees attended.

During the 6 week feedback period, which closed on 15 April 2024, 212 responses were received. These responses were composed of 116 emails and 96 online responses. In addition, responses were received from statutory and non-statutory consultees. It is not possible to determine how many email and online responses were made by attendees at the event.

Email and online responses raised multiple themes. Of the 212 responses, 309 references were made to impacts on communities (for example, loss of amenity, socio-economic impact, health, employment, tourism). Impacts on various aspects of environmental impact were referenced on 512 occasions, and the consultation process on 98 occasions. No responses noted agreement, although several attendees at the consultation event did say they supported the transition to net zero, but not the approach to enabling it.

Figure 1 below shows the frequency of issues raised by broad theme, with most responses raising issues relating to environmental and community impacts. Figure 2 shows the frequency specific issues were raised.

Figure 1: Emmock 400kV substation points raised by category

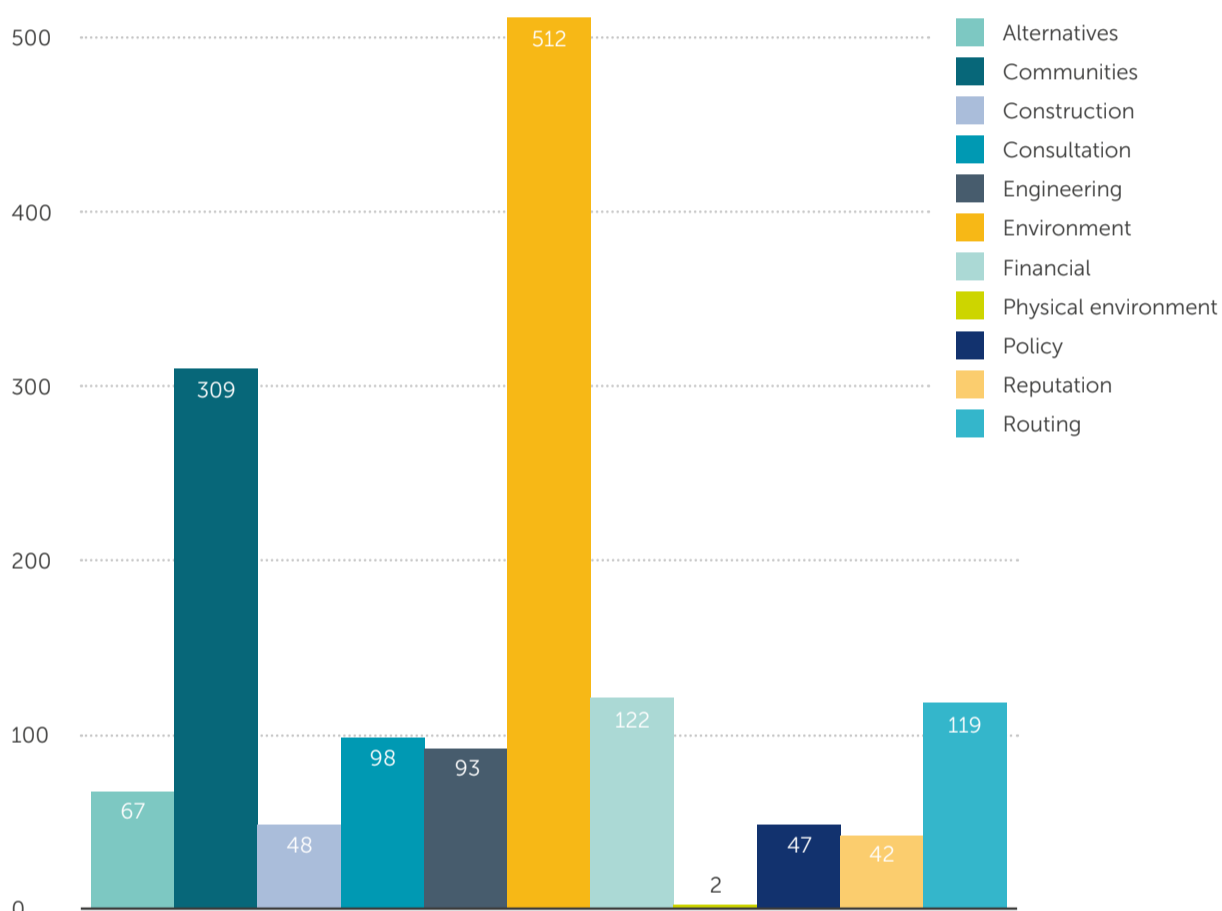
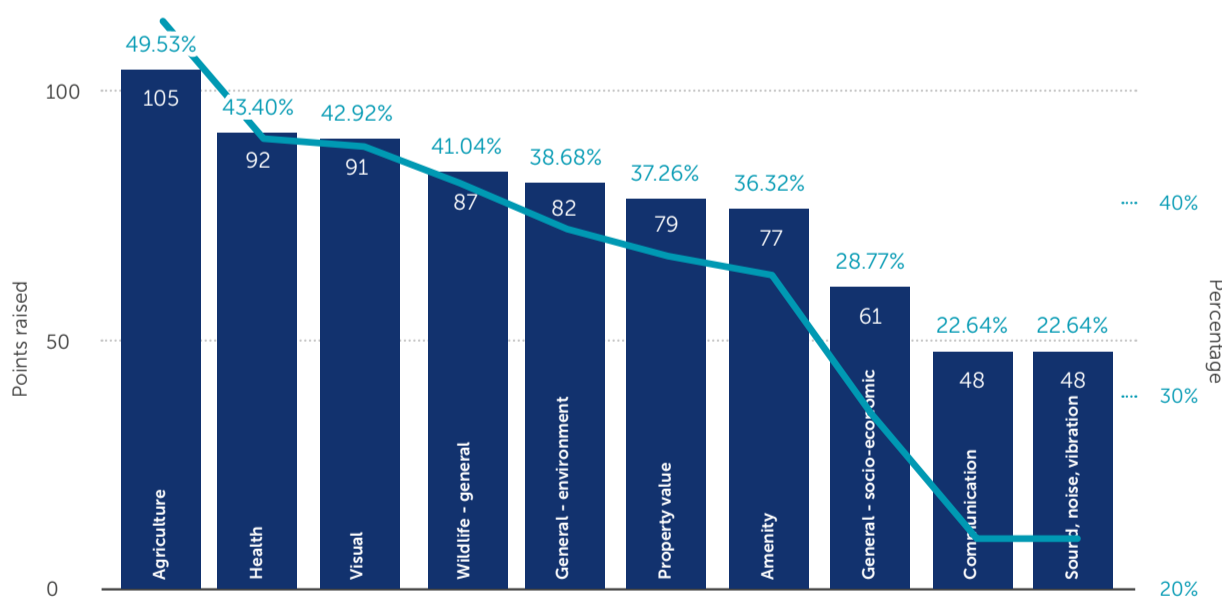


Figure 2: Emmock 400kV substation most frequently raised points



Feedback

Based on the analysis above, we have organised the feedback around a number of key themes. Those, and our responses, are set out below. In addition, in the following pages, we present updates to the substation design, and explain how those have changed in response to feedback. We also present new information to explain how the construction and development of the substation would likely be progressed and how controls to reduce noise, dust and pollution will be put in place.

Event feedback	Response
<p>Agriculture A number of attendees at the consultation event highlighted the impact on agriculture resulting from the loss of land and the associated impact on food security. It was a common theme among respondents accounting for 16% of all responses.</p>	<p>A key factor in the site selection process was avoiding prime agricultural land.</p> <p>The site avoids that. Notwithstanding, we accept that the land, which currently supports cereal crops under rotation, is an agricultural asset. As a part of the site selection, brownfield and derelict land was considered within the area of search. None was identified that satisfied other requirements, notably, size, avoiding settlements and other sensitive features.</p>
<p>Wildlife Several respondents questioned the impact the proposed development would have on wildlife.</p>	<p>A key driver in the site selection process was to avoid sites which could impact legally protected and locally designated wildlife sites, and avoid land with a rich biodiversity. While the site is currently farmland, and natural habitat limited, there are diverse habitats along the Fithie Burn and to some extent along field margins. The Fithie has been modified along stretches adjacent to the site, and the development provides an opportunity to naturalise the Burn, increasing its biodiversity. Further, we have a company wide commitment to deliver a 10% gain in biodiversity across our major projects. This will be integrated into the proposed development, specifying a diverse range of new grass, wildflower, shrub and tree planting as part of the landscape design, and wetland habitat as part of the drainage design.</p>
<p>Health and wellbeing The impact of the substation and of the wider overall project on health and mental wellbeing was discussed by several attendees and accounted for over 12% of online and email feedback.</p>	<p>We are mindful of the uncertainty that our proposals can pose to communities who may be affected. Our process for project development seeks to identify options that provide an appropriate balance across a variety of considerations and interests.</p> <p>We aim to do this as swiftly as possible to minimise the duration of uncertainty for affected communities. However, we are also committed to providing sufficient time and opportunity for all stakeholders to feed into each stage of our project development process, so that views can be understood and wherever possible incorporated into design decisions. This is a balance which has to be carefully managed.</p> <p>We understand that everyone may be impacted in different ways and would be interested in residents' views regarding any additional activities that would help to address their specific concerns.</p> <p>Our responses to these topics can be found at ssen-transmission.co.uk/2030faqs.</p> <p>Our statement on Electric Magnetic Fields (EMFs) can also be found here ssen-transmission.co.uk/emf</p>
<p>Impacts on views Many attendees and respondents are concerned about the impact the proposed substation will have on views from their properties. Concerns about visual impact accounted for 53% of all the issues raised by respondents.</p>	<p>Since our last consultation event, together with our engineering and environmental consultants, we have been examining how we can lower the proposed substation platform (which would house the new electrical infrastructure). As a result of detailed assessments, we now plan to lower the platform from 140.5m Above Ordnance Datum (AOD) to 139.0m AOD. The site falls from around 173m AOD along the northern boundary to 128m AOD along the southern boundary.</p> <p>Visibility from both north and south will be reduced further by landscaping bunds and new planting.</p>



Feedback

Event feedback

Property values

Several attendees expressed concern about the effect of the proposed substation on the values of their homes and their ability to sell, should they wish to.

Response

We understand that there are concerns about the potential impact of our proposed developments on properties within the vicinity of our proposed overhead line alignments and substations sites.

These proposals are still under development and are subject to further consultation and design refinement. During this period, we want to work closely with communities and are looking to optimise timescales for decisions on final route alignments and substation location and designs. As the proposed alignments for the overhead lines are determined, and designs of substations are refined, we will engage with property owners, as well as listen to any other concerns there may be. We will look to mitigate impacts on residential properties as far as possible and these impacts will be assessed as part of the Environmental Impact Assessments that will accompany our applications for consent. 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.

Concerns in relation to impacts on property are being noted by our team however, as a regulated business, we are obliged to follow a statutory legal framework under the Electricity Act 1989 and Land Compensation Act 1961. For those entitled to compensation under the legal framework, we will assess any claim on a case-by-case basis under the direction of this legal framework. If this is this case, we recommend that those making a claim engage a professional adviser and we will generally meet reasonably incurred professional fees in these circumstances. However, for the avoidance of doubt, we will not meet fees incurred in objecting to our proposed developments.

Amenity

Respondents raised concerns about the impact of the project on amenity.

The selection of the site has sought to minimise impacts on the amenity of those living and working in the area from the outset. In terms of impacts on visual amenity, our response is provided above. Regarding residential amenity and the effects that noise may have on the enjoyment of home and outside space, our response on noise is below.

The site avoids direct and indirect effects on footpaths and cycleways. The implications for pedestrians and cyclists using the lanes local to the site are addressed under Construction Traffic below.

Noise

Many attendees and respondents raised the issue of noise, from both the proposed substation and in combination with the proposed overhead line and other developments such as the battery storage proposals.

There are few properties in the surrounding area having a direct line of sight where noise could be greatest. Further, the formation and planting of landscape bunds will attenuate noise further. We are committed to making sure that noise levels experienced by local residents will be no greater than they are today. Specialist acoustic consultants have been appointed to carry out a Noise and Vibration Impact Assessment which will predict the levels of noise during construction and once the proposed substation is commissioned and under load. Should the assessment suggest that noise will be noticeable at nearby properties, the source of noise will be enclosed and if necessary other measures such as barriers and screens will be incorporated into the design to attenuate noise. The Noise Assessment will include noise from the overhead line, which can be audible in certain weather conditions, and, if the information is available, include noise from the battery storage proposals and other development proposals which may be relevant.

Flooding

Several attendees at the event highlighted the issue of flooding. Some attendees expressed concerns that the proposed substation would make the situation worse.

We are aware of and have investigated historic flooding in the area, particularly where the Fithie Burn crosses under the U322 Emmock Road. We are aware too of the frequent flooding from the drain which runs parallel, to the road south of Balnuith. As part of the design work, we have commissioned a full Flood Risk Assessment. This has established that the proposed substation will not increase the likelihood of flooding. Indeed, we are exploring how we could reduce flooding by modifying the shallow channel which runs along Emmock Road and by naturalizing the Fithie Burn.



Feedback

Event feedback

Construction traffic

Several attendees and respondents raised concerns about the level of construction traffic coming through the village and that contractors involved at Tealing and Seagreen substations had ignored their concerns.

Response

While we are yet to finalise our assessment, we are examining the feasibility of routing construction traffic from the south of the site, coming off the A90 at Claverhouse, following the U322 Emmock Road towards Powrie, crossing the railway and continuing towards the site via Myreton of Claverhouse. We recognise that construction traffic can be a significant concern to other road users and the wider community, in terms of safety, noise and dust. Peak movements will occur when we anticipate the need to import stone during the formation of the platform.

This phase is likely to continue for 12 months. A Construction Traffic Management Plan will be one of the many requirements of any planning permission. This will prescribe the routes to be taken by contractors and prohibit the use of some local roads. It will restrict when deliveries can be made, to avoid key times of the day, and ensure that any repairs to roads, culverts, ditches and verges are made soon after being reported. The Community Liaison Group will be a forum to ensure traffic impacts are minimised.

Site size and creeping industrialisation

Many attendees at the event complained of the size of the proposed substation, relative to the village and of the industrialisation of the surrounding area. Some raised the concern that the substation will get bigger in the future.

The requirements for a new substation were set out in the Consultation Document published in May 2023 which explained the factors taken into account when selecting the site, which in brief, included being close to the existing substation, sufficiently large and open, while avoiding prime agricultural land and legally protected sites, existing infrastructure and future development, areas of settlement, water courses and areas vulnerable to flooding. The site meets many of these requirements while providing opportunities to avoid or reduce impacts on the community and environment. The substation platform will be cut into the slope of the fields and landscaping will be provided to screen views of the site.

The size of the proposed substation is determined by the extent of the electrical infrastructure required by the new (Kintore to Tealing) and uprated (Alyth and Westfield) 400kV infrastructure and by the assessment of future connection needs and by our licence obligation to provide a secure and reliable network.

As License Holder, we have a legal duty to provide a connection requirement to any generation license holder if requested. We cannot predict future connection requirements but continually assess trends in generation and demand to ensure that the grid is capable of responding to new connection demand and supply needs. Currently, we are aware of five contracted projects that may connect into substations at Tealing, which are at various stages of development, including the Fithie Energy Park proposals by Banks Renewables Group and Balnuith Battery Energy Storage System (BESS) by developer GPC. Details of these projects, and others, contracted connection dates, consenting status and capacity (Transmission Entry Capacity – TEC) can be found on the TEC Register nationalgrideso.com/data-portal/transmissionentry-capacity-tec-register

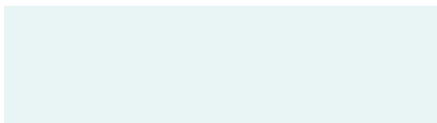
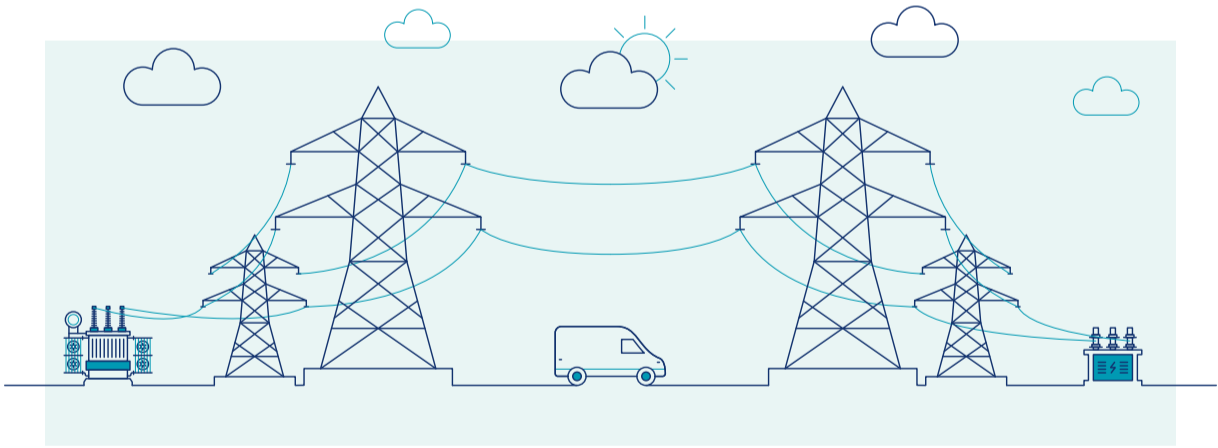
These proposals will be taken into account in the Environmental Impact Assessment (EIA) which will address the cumulative effects of the proposed substation, the new overhead line, the two battery storage proposals and possibly other projects which come into the planning process as the EIA is being carried out.

We understand the concern of the Tealing community regarding further expansion. The proposed substation has been designed to take account of foreseeable future needs. However, the rate at which future connection capacity will be used is unpredictable, as it is driven by market and commercial factors over which we have no control. It will be for the consenting authorities to determine if and when new developments requiring a connection come forward.



Feedback

Event feedback	Response
<p>Implementing contractor commitments Several attendees raised concerns that the landscaping promised at the existing substation and Seagreen substation has not been properly implemented, and has never fully established because of poor maintenance and a failure to control grazing by deer.</p>	<p>We are committed to delivering our and our Contractors commitments, not only to new planting but other measures which safeguard the community of Tealing. To ensure this is the case at the Emmock site, we will be appointing an independent environmental contractor, reporting to a Liaison Group made up of statutory stakeholders, which will include Tealing Community Council, to ensure all environmental management and mitigation requirements, set out in planning conditions and contracts are implemented and effective. We will also require, as a condition of contract, that the Contractor establishes a Community Liaison Group, to give the Tealing community direct access to the Contractor to address grievances and concerns.</p>
<p>Community and local economy Several respondents raised the potential impact of the proposed development on the community and local economy. Concerns were expressed on the impact to local tourism businesses, and that increasing industrialisation will mean that families will move away from the village, leading to its decline.</p>	<p>For each project we develop, we conduct a Landscape and Visual Impact Assessment, as part of the Environmental Impact Assessment in which we consider visual impact from centres of population, and walking paths and tourist sites, and where possible reduce any potential negative visual impacts, as we have described above.</p> <p>We are in the process of establishing a Community Benefit Fund which will enable us to work directly with local communities to support initiatives across northern and eastern Scotland. We want to give back to the communities hosting our transmission network and to help fund projects that can leave a lasting, positive legacy in those areas.</p> <p>In terms of broader community benefits, our Pathway to 2030 projects will boost the economy, support local jobs and businesses. Recent studies show our Pathway to 2030 programme could contribute over £6 billion to the UK's economy, support 20,000 jobs across the UK and benefit Scotland by around £2.5 billion, supporting 9,000 Scottish jobs. We typically hold 'Meet the Buyer' events prior to the construction phase to connect our principal contractors with local businesses and this has proven to be an effective means of sharing the economic benefits of our projects with local communities. We are also actively seeking opportunities to accommodate our workers in a way that provides a range of local benefits. We have prepared an information booklet which describes the benefits we anticipate from our projects and our thinking on how community benefit funding might work. ssen-transmission.co.uk/communitybenefit</p>



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Feedback

Event feedback

Failure to adequately consult

Many respondents suggested the consultation process adopted was inadequate, in that insufficient information was provided and insufficient time for communities to respond was provided.

Many respondents questioned their ability to influence the project, expressing the opinion that the decision to proceed was already made.

Concerns were raised at the absence of consultation by the ESO in defining future energy needs, how they should be met and the rationale for the Kintore to Tealing project and new substation at Emmock in particular.

Response

We are committed to meaningful and constructive engagement with local communities and residents throughout the development process to seek input and feedback into our proposals. As we consult and develop our projects, we aim to be open and transparent with communities, engaging as early as possible to seek input into our early plans.

We share our plans in different formats and through different channels and are continuing seeking ways to improve how we share information and seek inputs.

We aim to engage as early as possible with the communities where we may have an impact. Our initial engagement in May 2023 aimed to introduce the project and explain the rationale for selecting the site. Our Report on Consultation in December 2023 presented our analysis of the feedback to that consultation and confirmed our plans to take the Emmock site into the planning process.

Our formal consultation event in March this year presented our proposals at that stage. We have continued to progress our design and resolve areas of community and environmental impact in the process. Our aims at this point are to share our latest designs, show how they have aimed to address feedback and highlight where design work may continue as we prepare for our planning application.

We have prepared a separate handout which explains how the need for the project has been determined and the role of the ESO which is available here. ssen-transmission.co.uk/2030-need

Feedback from statutory and non-statutory consultees

Our consultation booklet published in March 2024 to support our formal consultation events, was issued to Angus Council, Historic Environment Scotland (HES), NatureScot, Scottish Environment Protection Agency, (SEPA) Glamis and Area and Tealing Community Councils and various non-statutory consultees.

HES welcomed the fact that the EIA will include an assessment of the impact of the project on designated heritage assets and the inclusion of a cumulative impact assessment. NatureScot advised that there would be no likely significant effect on the Firth of Tay and Eden Estuary SPA nor the Loch of Kinnordy and Loch of Lintrathen SPAs. Nor on the Outer Firth of Forth and St Andres Bay Complex SPAs.

In relation to biodiversity enhancement and NPF4 Policy 3, NatureScot encouraged that biodiversity enhancement should be an integral part of the project from the outset. No responses were received from Angus Council or SEPA, although both have provided feedback at the initial consultation in May 2023 and have continued to through the regular engagement we hold with all the statutory consultees.

The Ministry of Defence pointed to the possibility of low flying aircraft and advised that it will seek a planning condition requiring that details of any tall structures at the site are charted. National Gas Transmission advised of the need to ensure we engage with them as the proposals develop to ensure no conflicts with national infrastructure.

That engagement has been ongoing since 2022 and will continue throughout the design and planning processes.

Glamis Community Council raised concerns regarding risks to tourism, farming and health, suggesting impacts could be mitigated by placing the OHL offshore or underground. While the response did not refer to the proposed substation specifically, many of the issues it raised reflect those by the wider community and which have been addressed above.



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The substation site

About the site

Following our site selection consultation, in May 2023, we advised within our Report on Consultation that site 4 at Balkemback Farm in Tealing, off Emmock Road had been selected as our proposed site for the substation ahead of our first Pre-Application Consultation event earlier this March.

This site is considered best on balance due to the following:

- There are fewer residential properties in close proximity to the site
- Nearby cultural heritage assets identified are unlikely to be adversely impacted by the development
- The site offers efficient connection to the existing Tealing substation, reusing redundant sections
- The requirement of new infrastructure needed to connect upgraded existing circuits is minimised
- The location allows over 3km of existing 275kV OHL to be removed.

What size is the site

Whilst we are including a larger area in our PAN boundary than is required for just the substation, the area needs to contain all elements of the development.

The substation platform will be approximately 675m x 285m and will consist of:-

- 22x bay 400kV double busbar with the following allocation:-
 - 2x bus sections
 - 3x bus couplers
 - 3x 400/275kV 1200MVA SGTs
 - 2x feeder bays for 400kV OHL to Hurlie/Kintore
 - 2x feeder bays for 400kV OHL to Alyth
 - 2x feeder bays for 400kV OHL to Westfield
 - 6x future feeder bays
 - 2x reactors (maximum height 11m)

A single storey control building (maximum height 7m) which contains ancillary equipment will be required to operate the substation including control panels and low voltage AC and DC systems.

Currently, the tallest equipment in the substation will be the busbar at approximately 14.5m. There may be a requirement in the future that the proposed reactors are placed with larger network stability equipment which can be up to 18m tall with a footprint of approximately 95m x 45m.

What else will the development consist of?

Drainage

Drainage arrangements and SuDs ponds will be included in the planning application.

Temporary compounds

Temporary construction compounds and laydown areas will be located close to the new site access to support the construction phase. Additional temporary construction compound and laydown areas, if needed, will be identified by the construction contractor prior to commencement of works.

Access Roads

A new permanent access will be formed off Emmock Road.

Landscaping bunds

Landscaping bunds will be created around the substation platform, and planted with native shrubs, grasses and flora to reduce landscape and visual impact and to improve the biodiversity of the site compared to its previous agricultural use.

Lighting

While the lighting strategy has not yet been defined, it will adopt the following broad principles; lighting will be kept to the minimum to ensure safe operations and security; individual light clusters will be low-level, narrow beam, and directed downwards to minimise glare and light spill; different lighting configurations and designs will be adopted for different parts of the site and will be appropriate for use; landscape bund design and positioning will support the reduction of glare and light spill experienced by the local community.



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Overview of key design changes

Substation design

Since our last consultation, we have refined our substation design by reducing the platform width slightly from 300m to 285m and by lowering the platform from 140.5m to 139m. Combined with the landscaping bund and design along the north of the substation platform, this reduces the visibility of the substation equipment from the north.

This also reduces the height of the fill along the southern edge of the platform. The new terminal connection towers connecting with new (from Kintore) and uprated (from Alyth and Westfield) 400kV overhead lines will be the main visible elements.

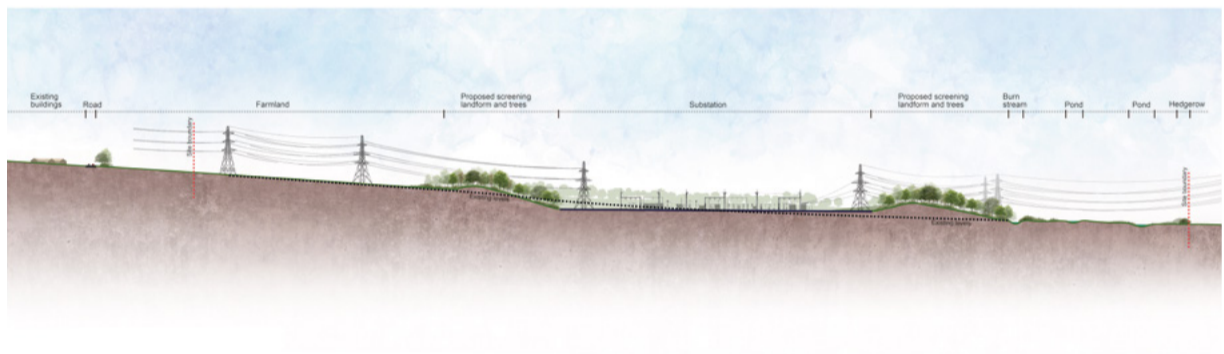
We have redesigned the access to the site, moving it further away from Balnuith, reducing direct views of the site. We have repositioned the landscape bund closer to the eastern boundary, and sited the compound and laydown area immediately behind the bund, screening views from Balnuith.

This and the bund running the full length of the eastern boundary will be formed and planted early in the construction programme to maximise its benefit in screening the construction works. We intend to reshape the channel which currently drains the hills above the site into the Fithie Burn to slow storm flows and reduce risks from flooding the Emmock Road.

To meet safe operations requirements and minimise overall access requirements, the terminal connection towers and the connection points within the substation have been increased from 25m to 75m which has required that the platform has been extended.

Rather than increase the whole platform, the platform has been extended locally, in a trapezoidal shape by approximately extensions which are approximately 45m have been limited to around the tower bases. Having the towers located at the same level as the platform reduces the overall height of them.

Figure 4: Image showing site topography and effect of cut and screening



Overview of key design changes

Landscape design

Since our last consultation, we have refined our substation design by lowering the platform from 140.5m to 139m.

With the exception of repositioning the bund adjacent to the new access, there have been no major changes to the landscape design. Since our last consultation, the design has been further developed. The landscaping proposals will introduce a variety of habitat types that will provide both visual screening and improved opportunities for biodiversity. Broadleaved woodland, with species such as rowan, willow, hazel and birch will be complemented by grass meadows and wildflowers. Hedgerows of holly, dog rose and alder will be provided to allow connection for species through the creation of 'wildlife corridors'. Collectively the planting proposed will be designed to ensure that habitats are created for invertebrates, mammals and avian species.

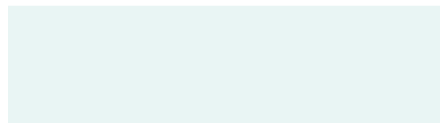
As indicated above, SSEN Transmission has a policy commitment to deliver 10% more biodiversity compared to the baseline condition.

At Emmock, while the site is predominantly arable land, there are diverse habitats along the field margins and Fithie Burn.

Our landscaping proposals indicated above have been developed with our BNG requirements in mind and this would be reflected in the habitat creation and species selections we make as part of that design.

There have been no amendments to the drainage design, with the exception of minor repositioning of the SuDS ponds to accommodate the repositioned 275kV overhead connection to the existing substation.

Figure 5: Indicative landscape design



The construction process

Construction

The overall construction programme is three years, with a fourth year required for commissioning and testing. The broad programme and main construction HGV (Heavy Goods Vehicles) requirements are illustrated below.

Figure 6: Indicative high level construction programme

Activity	Estimated HGV movements/ activity duration	2026				2027				2028				2029			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
Mobilisation	10-15																
Form access road, temporary compound, clear site	250																
Install drainage, form compound	500-600																
Cut and fill earthworks	20-40																
Form landscape bunds	Using on site equipment																
Install capping layer over platform	15,000-20,000																
Foundations for control building and steelwork	450-550																
Form SuDS network	Using on site equipment																
Landscape planting	5-10																
Security fencing	5-10																
Mobilisation	75																
Installation of support steelwork	30-35																
Installation of primary equipment and steel gantries	70-80																
Delivery and installation of transformers	3																
Delivery and installation of reactors	6																
Installation of secondary equipment and cabling	40-50																
Commissioning	0																

Managing impacts during construction

Over several years, we have developed and implemented management plans aimed at avoiding and managing construction environmental impacts.

These include an overarching Construction Environmental Management Plan, individual plans to control specific aspects such as noise, dust, and construction waste, working near water courses, working in different habitats, and Construction Traffic Management Plans.

These will be implemented as a condition of the Principal Construction Contract. In addition, the Contractor will be required to prepare additional plans to cover specific requirements that arise through the EIA process, including a Community Engagement Plan. Effective implementation of all of these will be assured through an independent auditor that we will appoint but which will report to statutory consultees, including Tealing and Glamis and Area Community Councils. In that way, the community will have a direct route to ensure we and our Contractors address any issues that adversely affect the community.



The construction process

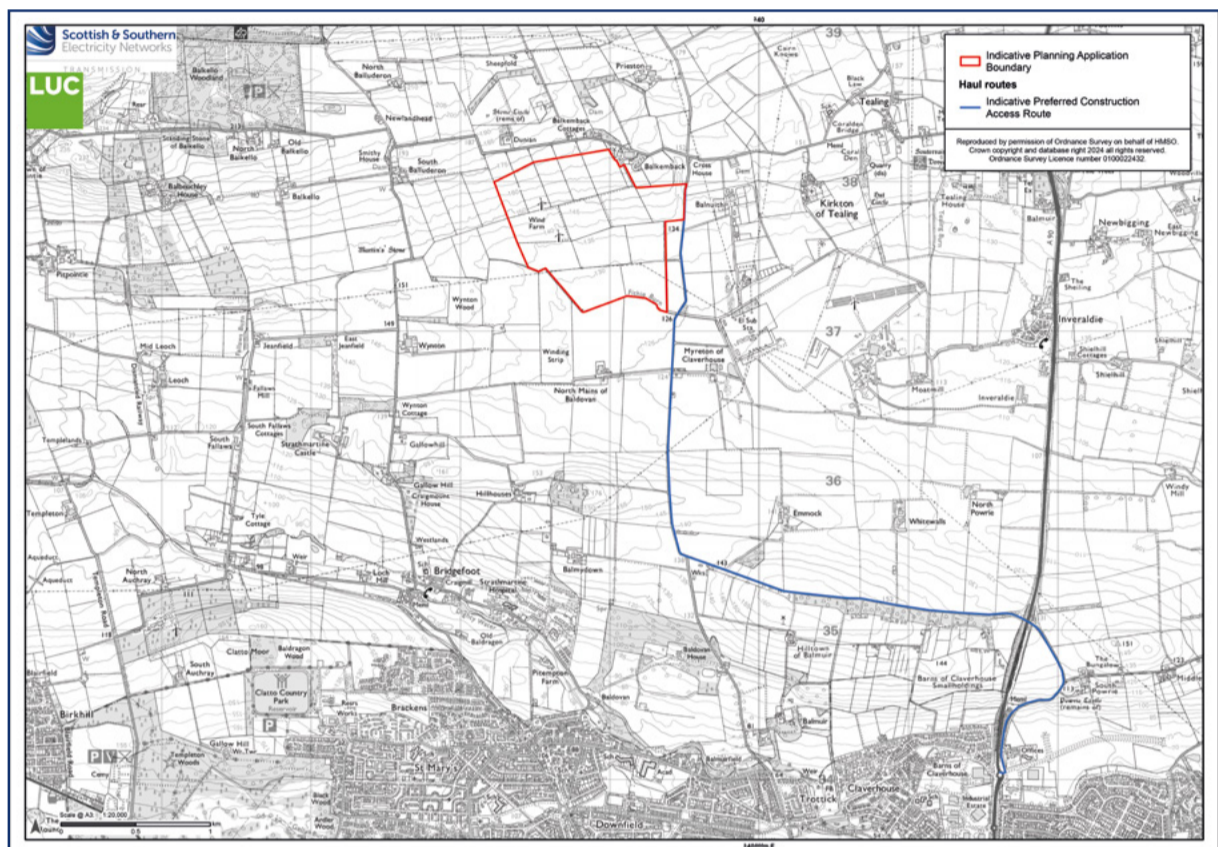
Construction access

Since our last event, we have examined options for construction access which avoid traffic through the village.

Our proposed approach is that HGV traffic will follow the U322 Emmock Road from the south.

It is likely that the small bridge over the Fithie Burn will need to be strengthened. A detailed survey will be undertaken of culverts and other structures and strengthening and replacement will be undertaken as required. Some passing places may need to be formed.

Figure 7: Indicative construction access



3D visualisations

We understand that local 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 substation into the local landscape to help the understanding of the proposals in terms of the visual impact, distance, and height.

The following are some images taken from the 3D model to inform our consultation event.

To get a better sense of the proposals in full 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 layout and colour of our proposals may change based on feedback and further refinement of the design, if that happens, we'll update our model and video and share this on our webpage and with you at the next event.

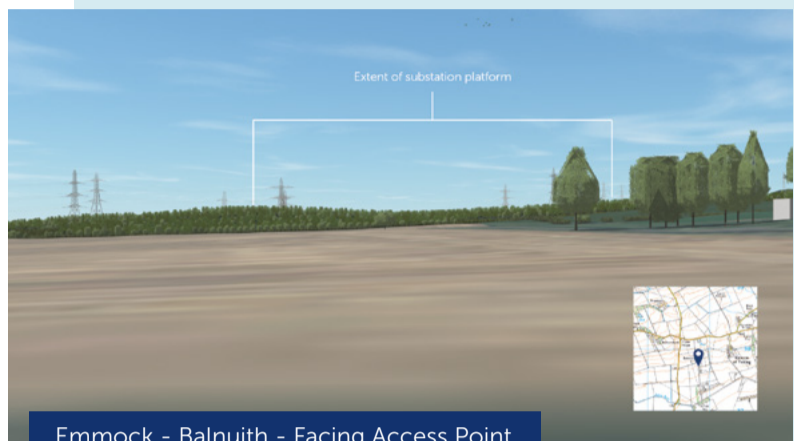
Photomontages

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 planning application, we'll ensure these photomontages are available to view.



Find out more

Scan the QR code with your smartphone to view our most up to date 3D visualisations on the project website.



Emmock - Balnuith - Facing Access Point



Emmock - VP4 - Myreton of Claverhouse



Emmock - VP6 - Dunian



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 intend to submit our planning application in late summer 2024. Our formal feedback period will close on 17 July 2024, however we will welcome final comments from members of the public, statutory consultees and other key stakeholders regarding our proposals until we submit our planning application.

How to provide feedback

Submit your comments and feedback by emailing or writing to your Community Liaison Manager.

Any comments made to us as the Applicant are not representations to Angus Council as the planning authority.

There will be opportunity to make formal representations to the planning authority following the submission of the planning application.

What we're seeking views on

During our last public consultation event in March 2024, we wanted to know your thoughts on our project plans, where you thought we could make improvements, and any changes and refinements we'd made.

We are now asking for any final comments or feedback ahead of submitting planning applications for the Emmock 400kV substation project. It would be helpful to share any opportunities to deliver a local community benefit you would like us to consider.

We'll be actively looking to mitigate the impacts of the site as much as possible over the coming months, but 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 a local community benefit you would like us to consider.

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

Rhiannon Merritt
Community Liaison Manager

SSEN Transmission
10 Henderson Road,
Inverness, IV1 1SN

E: 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/emmock

You can also follow us on social media

 [SSEN-Transmission](#)

 [SSETransmission](#)



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.



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APPENDIX J PHOTOS EVENT 1



Source: SSEN Transmission



Source: SSEN Transmission

APPENDIX K PHOTOS EVENT 2



Source: SSEN Transmission



Source: SSEN Transmission