# Dunoon 132kV Overhead Line Rebuild Project

## **Alignment Consultation**

August 2021



TRANSMISSION

# Who We Are

We are Scottish and Southern Electricity Networks, operating under licence as Scottish Hydro Electric Transmission plc (SSEN Transmission) for the transmission of electricity in the North of Scotland.



In total we maintain about 5,000km of overhead lines and underground cables – easily enough to stretch across the Atlantic from John O'Groats all the way to Boston in the USA.

Our network crosses some of the UK's most challenging terrain – including circuits that are buried under the seabed, are located over 750m above sea level and up to 250km long.

The landscape and environment that contribute to the challenges we face also give the area a rich resource for renewable energy generation. There is a high demand to connect from new wind, hydro and marine generators which rely on Scottish and Southern Electricity Networks to provide a physical link between the new sources of power and electricity users. Scottish and Southern Electricity Networks is delivering a major programme of investment to ensure that the network is ready to meet the needs of our customers in the future.

### Our responsibilities

We have a licence for the transmission of electricity in the north of Scotland and we are closely regulated by the energy regulator the Office of Gas and Electricity Markets (Ofgem).

Our licence stipulates that we must develop and maintain an efficient, co-ordinated and economical system of electricity transmission.

# What is the difference between Transmission and Distribution?

Electricity Transmission is the transportation of electricity from generating plants to where it is required at centres of demand. The Electricity Transmission network, or grid, transports electricity at very high voltages through overhead lines (OHL), underground cables (UCG) and subsea cables. Our transmission network connects large scale generation, primarily renewables, to central and southern Scotland and the rest of Great Britain. It also helps secure supply by providing reliable connection to the wider network of generation plans.

The Electricity Distribution network is connected into the Transmission network but the voltage is lowered by transformers at electricity substations, and the power is then distributed to homes and businesses through overhead lines or underground cables.

### **Overview of Transmission Projects**



# **Project Overview**

The aim of the Dunoon overhead line (OHL) rebuild project is to rebuild the existing transmission network servicing Dunoon, in Argyll and Bute. The electricity towers and overhead line between Dunoon substation and Garelochead (approximately 16km) are now coming towards the end of their operational capabilities and are required to be replaced. The line passes over some very steep and arduous terrain and has a very high fault rate associated with it during high winds. This is due to the design of the tower used in the original build.

Associated with a previous windfarm connection request (no longer being pursued due to windfarm failing to get consent) we undertook a capability study of the overhead line to see if it is suitable for upgrading with larger conductors (the wires which carry the current).

The outcome of this study was that almost half of the towers were not in a satisfactory condition and were unsuitable for modification to resolve ground clearance and fault issues. In order to ensure security of supply, a replacement overhead line will be constructed. Once the new overhead line is constructed and in service, the existing line will be dismantled and removed.

During the rebuild of the replacement overhead line, we are required to maintain the electricity supply to Dunoon which the 132kV transmission line provides, and therefore we need to rebuild the overhead line on an alternative alignment to the existing route. As such, we will require a new Section 37 consent from the Energy Consents Unit of the Scottish Government.

To the east of the Loch Long crossing the overhead line is within Scottish Power Energy Networks (SPEN) licensed area. As part of the rebuild project, we are proposing to reconductor (replace the wires which carry current on the line) the Loch Long crossing and refurbish the fittings on the existing towers at either side of the crossing. We are also required to replace the earth wire (the middle, tallest conductor, which provides lightening protection to the OHL) for several spans on Scottish Power Networks side of the crossing. This will be replaced with Optical Ground Wire (conductor including fiberoptic strands) used in end-to-end communication associated with the operation of the Transmission network.

### Our consultation process

Overhead line routeing is a balance between environmental, technical and economic considerations, with stakeholder and public consultation also making up a key element of this process.

This project is at the alignment optioneering stage of development, and we are consulting with local stakeholders to update them on our proposals and to share considered alignment options and the preferred alignment. We have identified a preferred alignment option for the replacement overhead line on which we are keen to hear your views.

After receiving any feedback on our preferred alignment, and carrying out further survey work and analysis to help refine our proposals, we will confirm the preferred alignment and take this forward to consenting as a proposed alignment, undertaking an EIA to support our eventual consent application.

During the consenting process we will undertake further engagement and consultation to ensure that local community members and stakeholders are able to provide input towards our plans at key stages as the project develops.



## The main project elements are as follows:

- Construction of a new 132kV overhead line from North of Ardentinny to Dunoon substation, located near Sandbank.
- Reconductoring of the Loch Long crossing.
- Decommissioning/removal of the existing 132kV overhead line from Ardentinny to Sandbank.
- Associated tie in works at Dunoon Substation will also be required.

# **Engineering and Marine Considerations**

The existing double circuit towers operate at a voltage of 132,000 volts (or 132 kV), which is the lowest transmission voltage on the Scottish network. The proposed replacement line will operate at this same voltage, but will provide increased capacity, providing an element of future-proofing.

### In order to achieve the necessary capacity requirements, various technology options were considered.

Several methods of overhead line supports have been used throughout the history of the UK's transmission network and as the usage and design parameters for these varies greatly, it was necessary to filter down the number of supports to be assessed. Based on pre-selection criteria, which included visual impact considerations, electrical clearance requirements and a requirement to support 132 kV operation, we identified the following type of structures that would best suit the project: Wood pole structures were discounted during the pre-selection due to being unable to provide the required level of reliability when compared to the other structure options. Although technically feasible composite pole structures are less favoured due to the extensive works required constructing them.

Metal lattice L/c towers have been identified as the preferred support type to replace the existing outdated design of metal lattice towers (PL16 type). These are slightly taller in height, which allows for longer spans and thus fewer structures to be used, depending on the terrain. Metal lattice towers are considered less visually prominent at distance when the line is back-clothed against the terrain. Metal lattice towers are also well established proven technology which is important in the context of proving Dunoon a safe secure supply for the future.

- 132kV Double circuit Steel lattice tower (L4m or L7c)
- 132kV Double circuit steel monopole structures NeSTS designed for SSEN.



#### Existing structure

Proposed Steel Lattice Tower Option

Proposed NeSTS Option

Double circuit L7c Steel Lattice Towers have been identified as the preferred structure to be used for the rebuild, based on our technical, cost and environmental impact assessment. The height of these structures is generally between 26-44m depending on the topography and the extensions required to meet required electrical clearance. The average span is anticipated to be approximately 300m, although some spans may require to be shorter in steeper and uneven terrain.

# About the replacement Overhead Line



### Loch Long Crossing



The Loch Long crossing consists of two very tall towers (approximately 90m and 112m in height), and two heavy anchor towers behind these. These special towers do not need to be replaced. However, replacement of the existing conductors and fittings will need to be undertaken, as well as some strengthening of the four towers.

There is currently sufficient clearance between highest astronomical tide (HAT) and the lowest conductor to ensure the safe transiting of vessels through Loch Long. We will ensure suitable clearance is maintained through engagement with key stakeholders such as Marine Scotland and Peel Ports.

Marine consultants have been engaged to assess vessel traffic (type, frequency etc.) transiting through Loch Long to ensure that the reconductoring results in as little impact to other marine users as operationally possible. Engagement with marine stakeholders will continue, to ensure any perceived issues are understood, acknowledged and taken into consideration as the project develops.

# **Project History and Timeline**

#### November 2020 - Route option consultation, including virtual public engagement events

Route options and the identified preferred route option were widely consulted on with key stakeholders including local communities. A preferred route for the new overhead line was proposed and consulted on and the feedback considered prior to confirming the preferred route option. Following public consultation, we published our Report on Consultation in April 2021, confirming that a combination of Route Options A2, B2 and C1 will be taken forwards as the proposed route. Since then, studies and surveys have been ongoing to determine alignment options for the replacement overhead line.

#### November 2020 - July 2021 - Alignment options on the preferred route

After gathering feedback from the community and stakeholders a preferred route has been established. From the preferred route, several overhead line alignment options have been developed within the preferred route and assessed according to SSEN's OHL Routing guidance. After appraisal of Environmental, Engineering and Economic considerations the alignment options were considered and assessed in an Alignment Selection Document, with the identification of a Preferred Alignment to be taken forward to consultation. A Consultation Document was prepared to facilitate wide ranging consultations, summarising the alignment options considered and the Preferred Alignment identifed.

### August 2021 - Alignment option consultation, including virtual public engagement events

From the number of alignment options considered along the preferred route, a preferred alignment has been established considering technical, environmental, community and economic impact. Community and stakeholders are to be made aware of the alignment options to gather feedback.

#### October 2021 - Consultation close and further project progression

Feedback from consultation considered, along with consideration of ongoing surveys, landowner discussion and design, leading to a proposed alignment which will be identified within an Alignment Report on Consultation. The proposed alignment will then be subject to an EIA which will support our Section 37 consent application.

#### August 2021 – March 2022 - Environmental Impact Assessment (EIA) undertaken

Environmental Impact Assessment undertaken on proposals, with EIA report prepared to support consent application.

#### February 2022 - Statutory pre-application consultation Consultation with all stakeholders on proposed development on which we are to apply for Section 37 consent from the Scottish Government.

April 2022 – August 2023 - Section 37 consent application Indicative timeframe for consent application to the Energy Consent Unit of the Scottish Government and determination period.

**December 2023 - Construction commencement** Anticipated commencement of construction.

### December 2025 - OHL rebuild completion

Anticipated completion of the construction of the replacement OHL, and reconductoring of the Loch Long crossing.

#### June 2026 - Project completion

Anticipated project completion, including removal and reinstalment of the existing line being replaced.

# Alignment

The aim of the alignment selection phase of our routeing process is to provide a balanced assessment of economic, technical and environmental factors in order to select the preferred alignment for the new overhead line.

### **Section and Alignment Options**

The alignment options within the preferred route have been broken down into sections to effectively assess which alignment is best in certain areas along the preferred route. Each section has different engineering, economic and environmental factors that resulted in multiple alignments options along most of the sections. The alignment options along the preferred route are as follows:



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# Alignment

### Section 1: **Tower 15 to Am Binnein**

Initially, two options in Section 1 were considered, named 1A and 1B, with the options varying slightly between Towers 15 and 22 to attempt to avoid identified native woodland, however, they were not significantly different to warrant separate scoring (and neither could completely avoid native woodland).

A single alignment option is being taken forward as our preferred alignment which will apply a proposed limit of deviation on the eventual proposed alignment allowing micro-siting to minimise environmental impacts within the challenging engineering constraints of this section.

#### Key considerations

- Minimising potential landscape and visual impacts; particularly in relation to the Loch Lomond and The Trossachs National Park (the "National Park"), the Argyll Forest Park, and for sensitive receptors e.g. residential properties at Glen Finart and Ardentinny where the line crosses the ridge above Am Binnein and at the break of slope on the north side of Glen Finart.
- Minimising potential impacts on suitable habitat for protected species such as bat, badger, red squirrel, pine marten, reptiles, otter and water vole.
- Minimise potential impacts on sensitive and irreplaceable habitats (including areas of ancient and native woodland, Annex 1 and UKBAP priority habitats) and therefore increasing the ability for the Project to achieve No Net Loss (NNL) or Net Gain (NG).
- Minimising potential impacts on ornithological interests, in particular golden eagle, hen harrier, black grouse and barn owl.
- Potential impacts on commercial woodland and the use of existing forestry tracks.

#### Section 2: between north of Glen Finart and north of Puck's Glen

The four options within Section 2 deviate from one another where they cross Glen Finart, and adjoin with Section 1 to the north and Section 3 to the south. South of Glen Finart, the alignment of all options in Section 2 are the same, approximately following the alignment of the existing OHL which is being replaced, with the final alignment likely constrained by distance from the existing line (where it can be safely built) ground conditions and habitats.

#### **Key considerations**

- Minimising potential landscape, visual (including Setting), and recreational impacts; particularly in relation to the National Park, the Argyll Forest Park, and for sensitive receptors e.g. residential properties at Glen Finart and Ardentinny.
- Avoiding the Craighoyle Woodland SSSI.
- Minimising potential impacts on suitable habitat for protected species such as bat, badger, red squirrel, pine marten, reptiles, otter and water vole.
- Minimise potential impacts on sensitive and irreplaceable habitats (including areas of ancient and native woodland, Annex 1 and UKBAP priority habitats) and therefore increasing the ability for the Project to achieve NNL or NG.
- Minimising potential impacts on ornithological interests, in particular golden eagle, hen harrier, black grouse and barn owl.
- Avoiding, and minimising potential impacts, on Cultural Heritage assets, in particular the Scheduled Monument at Dun Daraich Fort. Glen Finart (SM9190).
- Potential impacts on commercial woodland and the use of existing forestry tracks.

### Section 3: between Puck's Glen and River Eachaig

There were 4 alignment options identified and appraised within Section 3, with 3A and 3B crossing Strath Eachaig further up the glen than the existing OHL, and 3C and 3D following closer to the existing alignment, with 3D requiring partial rebuild on the existing alignment due to identified constraints.

#### **Key considerations**

- Minimising potential landscape, visual (including Setting), and recreational impacts; particularly in relation to the National Park, the Argyll Forest Park, Benmore GDL, Pucks Glen, and for sensitive receptors e.g. residential properties along the A815 and A880.
- Minimising potential impacts on suitable habitat for protected species such as bat, badger, red squirrel, pine marten, reptiles, otter and water vole.
- Minimise potential impacts on sensitive and irreplaceable habitats (including areas of ancient and native woodland, Annex 1 and UKBAP priority habitats) and therefore increasing the ability for the Project to achieve NNL or NG.
- Minimising potential impacts on ornithological interests, in particular golden eagle, hen harrier, black grouse and barn owl.
- Potential impacts on commercial woodland and the use of existing forestry tracks.



#### Section 4: between River Eachaig and Ballochvle

There were 4 alignment options identified and appraised within Section 4, however these are to a degree dependant on the alignment options selected with Section 3 and Section 5. Alignment Option 4A would continue from alignment options 3A or 3B, leading the alignment to the forested Ballochyle Hill above Strath Eachaig. Alignment options 4B and 4C would continue from alignment 3B or 3C heading to the same alignment traversing the forested Ballochyle Hill but deviate from following the existing alignment at difference points, with 4B heading up the hill earlier.

Alignment Option 4A, 4B and 4C connect to options 5A, 5B and 5C. Alignment option 4D connects to alignment option 5D only and continues to follow the existing OHL across the lower Strath Eachaig area where the existing OHL takes a convoluted route through the properties and crosses the Little Eachaig river several times.

#### Key considerations

- Minimising potential landscape, visual (including Setting), and recreational impacts; particularly in relation to the National Park, the Argyll Forest Park, Benmore GDL, listed buildings, and for sensitive receptors e.g. residential properties along the valley of Strath Eachaig.
- Minimising potential impacts on suitable habitat for protected species such as bat, badger, red squirrel, pine marten, reptiles, otter and water vole.
- Minimise potential impacts on sensitive and irreplaceable habitats (including areas of ancient and native woodland, Annex 1 and UKBAP priority habitats) and therefore increasing the ability for the Project to achieve NNL or NG.
- Minimising potential impacts on ornithological interests, in particular barn owl.
- Potential impacts on commercial woodland and the use of existing forestry tracks.

#### Section 5: between Ballochvle and Finbracken

There were 4 alignment options identified and appraised within Section 5. Alignment option 5A and 5B align the replacement OHL to the west of the Waste Management facility in this area, whereby the alignment option 5C crosses the east of the facility to run alongside the OHL being replaced. Alignment option 5D crosses the Strath Eachaig approximately following the route of the existing OHL.

#### Key considerations

- Minimising potential landscape, visual, and recreational impacts; particularly in relation sensitive receptors such as the residential properties at Ballochyle.
- Minimising potential impacts on suitable habitat for protected species such as bat, badger, red squirrel, pine marten, reptiles, otter and water vole.
- Minimise potential impacts on sensitive and irreplaceable habitats (including areas of ancient and native woodland, Annex 1 and UKBAP priority habitats) and therefore increasing the ability for the Project to achieve NNL or NG.
- Minimising potential impacts on ornithological interests, in particular barn owl.
- Potential impacts on commercial woodland and the use of existing forestry tracks.



#### Section 6: Finbracken to **Dunoon substation**

Two options were identified in Section 6, with 6A following the existing OHL alignment from Dunoon substation to Section 5, whilst 6B stays lower down Finbracken Hill.

#### **Key considerations**

- Minimising potential landscape, visual (including Setting) and recreational impacts; particularly in relation to Adams Cave Chambered Cairn (SM6552) and sensitive receptors at Sandbank.
- Minimising potential impacts on suitable habitat for protected species such as bat, badger, red squirrel, pine marten, otter and water vole.
- Minimise potential impacts on sensitive and irreplaceable habitats (including areas of ancient and native woodland, Annex 1 and UKBAP priority habitats) and therefore increasing the ability for the Project to achieve NNL or NG.
- Minimising potential impacts on ornithological interests, in particular barn owl.
- Potential impacts on commercial woodland and the use of existing forestry tracks.



# **Environmental Considerations**

The approach to alignment selection, in identifying and assessing alternative OHL routes, is informed by SHE Transmission's Routeing Guidance. By following the guidance, SHE Transmission has ensured compliance with Schedule 9 (of the Electricity Act 1989), which requires transmission license holders:

- to have a regard to the desirability of preserving natural beauty, of conserving flora, fauna and geological or physiographical features of special interest and of protecting sites, buildings and objects of architectural; historic or archaeological interests; and
- to do what they reasonably can to mitigate any effect that the proposals would have on the natural beauty of the countryside or on any such flora, fauna, features, sites, buildings or objects.

The main identified Environmental Constraints along the existing overhead line and the preferred alignment are shown in the map below and described in the text opposite.

#### Preferred Alignment Showing Key Environmental Designations



#### **National Park**

The majority of the existing overheadline (OHL) and the proposed replacement will be within the Cowal Peninsula area of the Loch Lomond and Trossachs National Park. National Park are Scotland's only statutory landscape designation.

The four purposes of National Parks in Scotland (in the National Parks (Scotland) Act 2000) are to:

- conserve and enhance the natural and cultural heritage,
- promote sustainable use of the natural resources,
- promote understanding and enjoyment of the area's special qualities,
- promote sustainable social and economic development of the area's communities.

Loch Lomond and Trossachs National Park National Park encompasses some of the finest scenery in Scotland.

It is a place of contrasts, from rolling lowland landscapes in the south to high mountains in the north, and has many lochs and rivers, forests and woodlands.

It is also a living, working landscape which has been influenced by people for generations and is visited and enjoyed by many for its recreational value.

#### Ancient Woodland/Semi Natural Woodland

There is extensive areas along the replacement OHL which are shown on Ancient Woodland Inventory (suggesting long established woodland) and also shown on Semi-Natural Woodland and Near Native Woodland Inventories. These often reflect better quality habitats for a wide range of species including protected species.

They have very high biodiversity value and if actual ancient woodland remains, may be classed as irreplaceable habitat.

#### **Scheduled Monument**

A Scheduled Monument in Scotland is a nationally important archaeological site or monument which is given legal protection by being placed on a list (or "schedule") maintained by Historic Environment Scotland.

In Section 2 there is Dun Daraich fort, Scheduled Monument Site - The monument comprises a fort of later prehistoric and early historic date, visible as very well-preserved upstanding remains. The monument occupies a rocky knoll which rises, vertically in places, from the level flood plain of the Glen Finart burn, close to the seaward end of Glen Finart.

#### Sites of Special Scientific Interest (SSSI)

SSSIs are protected areas of nationally important qualifying features, regulated and protected by NatureScot in Scotland. They are the basic building block of site-based nature conservation legislation and most other legal nature/ geological conservation designations.

They are areas of land and water that are considered to best represent our natural heritage in terms of their:

- flora i.e. plants,
- fauna i.e. animals,
- geology i.e. rocks,
- geomorphology i.e. landforms or a mixture of these natural features.

There are two SSSI in relative close proximity to the proposed OHL rebuild:

- Lock Eck located at the top of Strath Eachaig is a biological SSSI of importance for its outstanding fish community which is believed to be one of the most natural remaining in Britain. Other qualifying features (to fish population) includes the oligotrophic loch habitat, flood plain fen and bryophyte assemblage.
- Craighoyle Woodland located in Glen Finart is a biological SSSI rich in oceanic (or Atlantic) bryophytes and this is due, in part, to the mild, humid climate of this region. Designated for its Bryophyte and Lichen assemblages.

#### Garden and Designated Landscapes

The Inventory of Gardens and Designed Landscapes in Scotland is a listing of nationally important gardens and of artistic and/or historical significance, in Scotland.

The Inventory was originally compiled in 1987, although it is a continually evolving list maintained by Historic Environment Scotland.

Gardens and designed landscapes are grounds consciously laid out for artistic effect which are an important element of Scotland's historic environment and landscape, playing a big role in our heritage.

Benmore (Younger Botanic Gardens) Garden and Designed Landscape is located at the south end of Loch Eck, in Strath Eachaig, noted as a botanic garden with an exceptional plant collection dispersed throughout woodland gardens, shrubberies, an arboretum and pinetum, formal and walled gardens set within the well-established structure and dramatic scenery of surrounding forest, woodland and parkland.

# **Environmental Criteria**

Appraisal of alignment options has involved systematic consideration of the environmental characteristics outlined in table below. With Red, Amber & Green scoring relating to the extent of the constraint the environmental consideration poses to the alignment option within this section.

The Red-Amber-Green (RAG) scoring criteria for each consideration is defined within our OHL routeing process. Effectively these reflect how constrained each alignment section is for each element considered, as per the table beneath. It does not rank the options, but can reflect challenging sections where specific sensitives exist resulting in red across all alignment options for that section (for example all Landscape Designations scoring Red within the National Park).

| Most Preferred  | Low potential for the development to be constrained.          |
|-----------------|---|
|                 |   |
|                 | Intermediate potential for the development to be constrained. |
| Least Preferred | High potential for the development to be constrained.         |

The table below shows the Red-Amber-Green scores for each alignment option considered within each section.

|                         | Sub-parameter                        | Alignment Option  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|-------------------------|--------------------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| Main parameter          |                                      | 1   | 2A | 2B | 2C | 2D | 3A | 3B | 3C | 3D | 4A | 4B | 4C | 4D | 5A | 5B | 5C | 5D | 6A | 6B     |
|                         | Designations                         |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
| Landscape and<br>Visual | Character                            |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Visual Amenity                       |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 6B<br> |
|                         | Designations                         | y |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Protected Species                    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
| Natural Heritage        | Habitats                             |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Ornithology                          |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Geology, Hydrology<br>& Hydrogeology |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Designations                         |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Cultural Heritage Assets             |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
| People                  | Proximity to Dwellings               |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Agriculture                          |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
| Land Use                | Forestry                             |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|                         | Recreation                           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
| Planning                | Proposals                            |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

The table beneath shows the Red-Amber-Green scores for Environmental considerations scored on the preferred alignment.

### Preferred Alignment Summary Environmental RAG Rating Table

| <del>.</del>  | <b>-</b> .           |                                     | Alignment Option |    |    |    |    |    |  |  |
|---------------|----------------------|-------------------------------------|------------------|----|----|----|----|----|--|--|
| nstraint Type | торіс                | Specific aspect of the topic        | 1                | 2D | 3D | 4B | 5B | 6B |  |  |
|               |                      | Designations                        |                  |    |    |    |    |    |  |  |
|               | Landscape and Visual | Landscape Character                 |                  |    |    |    |    |    |  |  |
|               |                      | Visual Amenity                      |                  |    |    |    |    |    |  |  |
|               |                      | Designations                        |                  |    |    |    |    |    |  |  |
|               |                      | Protected Species                   |                  |    |    |    |    |    |  |  |
|               | Natural Heritage     | Habitats                            |                  |    |    |    |    |    |  |  |
|               |                      | Ornithology                         |                  |    |    |    |    |    |  |  |
| vironmental   |                      | Geology, Hydrology and Hydrogeology |                  |    |    |    |    |    |  |  |
|               |                      | Designations                        |                  |    |    |    |    |    |  |  |
|               | Cultural Heritage    | Cultural Heritage Assets            |                  |    |    |    |    |    |  |  |
|               | People               | Proximity to Dwellings              |                  |    |    |    |    |    |  |  |
|               |                      | Agriculture                         |                  |    |    |    |    |    |  |  |
|               | Land Use             | Forestry                            |                  |    |    |    |    |    |  |  |
|               |                      | Recreation                          |                  |    |    |    |    |    |  |  |
|               | Planning             | Proposals                           |                  |    |    |    |    |    |  |  |



# How do I have my say?

We understand and recognise the value of the feedback provided by members of the public during all engagements, consultations and events. Without this valuable feedback, the Project Development team would be unable to progress projects and reach a balanced proposal to submit for consenting.

We are keen to receive your views and comments on the project and will be seeking feedback on the exhibition from members of the public and Statutory Bodies until Friday 24th September 2021. You will find the feedback form at the end of this booklet, on the project webpage and within the consultation portal.

### Join our virtual consultation

Our virtual consultation room will launch on the week commencing 23rd August 2021, where information regarding our proposals will be available alongside opportunities to join the project team for interactive text chat sessions. A link to the virtual consultation platform will be available on the project webpage:

#### www.ssen-transmission.co.uk/projects/dunoon

Our live chat sessions will be held at the following times:

- Wednesday 25th August 10am 1pm
- Thursday 26th August 5pm 7pm
- Wednesday 8th September 5pm 7pm

During these sessions you will be able to send us your questions using the text chat function and they will be answered by the project team.

If you are unable to join the live chat sessions, there are still plenty of ways to engage with our team. You can contact us by email, phone or post, please see details for the Community Liaison Manager.

We are happy to arrange (virtual) meetings for individuals or small groups to discuss any areas of interest and if this is something you would like us to facilitate please contact us as soon as possible.

### Feedback

As part of the consultation exercise, we are seeking comments from members of the public, statutory consultees and other key stakeholders.

We kindly request that all comments are received by Friday 24th September 2021. Further information, should you require it, is available on the project webpage or can be made available in printed format by contacting the Community Liaison Manager. The feedback form in this booklet can be detached and sent back, or you can fill them in online using the form on the project webpage. We do request that any feedback that you wish to be included in the Report on Consultation is received in written format (feedback received via phone calls will be circulated to the project team but would not be included in the Report on Consultation).

All feedback received will be collated, reviewed and included in our subsequent Report on Consultation, along with SSEN Transmission's responses to the topics raised. The report will be published later this year and will be available to view on the project webpage.

### Keep in touch

If you have any questions or require further information regarding SSEN Transmission's Dunoon 132kV Overhead Line Rebuild project, please do not hesitate to contact the project Community Liaison Manager:





#### Helen Batey

Scottish and Southern Electricity Networks, Inveralmond House, 200 Dunkeld Road, Perth, PH1 3AQ

### **Additional information**

Information will also be made available via the project webpage and social media channels:

Project website: www.ssen-transmission.co.uk/projects/dunoon

Follow us on Twitter: @ssencommunity

Follow us on Facebook: @ssencommunity

### Timeline

| Detailed Environmental<br>Assessment Commenced | October 20           |
|--|----------------------|
| Preferred alignment consultation               | August 21            |
| Environmental Impact Assessment                | August 21 - March 22 |
| Pre Application Public Event                   | February 22          |
| Submission of s37 Application                  | April 22             |
| Section 37 Granted                             | August 23            |
| Construction Commences                         | December 23          |
| Project Complete                               | June 26              |

# 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.** (Please tick one box per question only)

| Q1 | Has the requirement for the Dunoon 132k      |
|----|--|
|    | Yes No Unsure                                |
| Q2 | In your opinion, has a clear overview of the |
|    | Yes No Unsure                                |
|    |  |
| Q3 | If No or Unsure, are there any element(s) of |
|    | Please provide comments below.               |
|    |  |
|    |  |
|    |  |
| Q4 | Do you agree with the preferred technolog    |
|    | Please provide a sentence to explain your a  |
|    | · · · · · · · · · · · · · · · · · · ·        |
|    |  |
|    |  |
|    |  |
| Q5 | Have we explained the approach taken to s    |
|    | Yes No Unsure                                |
|    | Please provide a sentence to explain your a  |
|    |  |
|    |  |
|    |  |
|    |  |

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#### Dunoon 132kV Overhead Line Rebuild Project 15

/ Overhead Line Rebuild Project clearly explained?

e required project elements been provided

f the project that require further clarification?

y solution (L7c tower) that has been identified?

nswer

select the preferred alignment adequately?

answer

| Q6                       | Do you ag                        | gree with c  | our preferr                    | red alignmen                       | nt for the following                               | sections:                         |                             |                           |                     |
|--------------------------|----------------------------------|--|--------------------------------|------------------------------------|--|-----------------------------------|-----------------------------|---------------------------|---------------------|
| Sectior                  | 1 Yes                            | No   | Uns                            | sure                               | Section 4  | Yes                               | No                          | Unsure                    |                     |
| Section                  | 2 Yes                            | No   | Uns                            | sure                               | Section 5  | Yes                               | No                          | Unsure                    |                     |
| Sectior                  | <b>3</b> Yes                     | No   | Uns                            | sure                               | Section 6  | Yes                               | No                          | Unsure                    |                     |
| Please                   | provide a s                      | entence to   | o explain y                    | our answer                         |  |                                   |                             |                           |                     |
|                          |                                  |  | - I J                          |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
| Q7                       | Are there                        | any identi   | fied alignn                    | nents you fe                       | el should NOT be p                                 | progressed                        | ?                           |                           |                     |
|                          | Please pro                       | ovide a ser  | itence to e                    | explain your a                     | answer   |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
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|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
| Q8                       | Are there                        | any factor   | s, environ                     | mental featu                       | ires or important p                                | oints that y                      | ou believe                  | e have not l              | been                |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          | Please pro                       | Svide a ser  | itence to e                    |                                    | answer   |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
| Full nar                 | ne                               |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
| Addres                   | 5                                |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
| Email                    |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
| lf you v                 | vould like t                     | o be kept  | informed                       | of progress                        | on the project plea                                | se tick this                      | box.                        |                           |                     |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |
| lf you v                 | vould like y                     | our comn   | nents to re                    | emain anony                        | mous please tick t                                 | his box.                          |                             |                           |                     |
| ank you fo               | or taking the t                  | ime to comp  | lete this feed                 | dback form.                        |  |                                   |                             |                           |                     |
| ase submi                | it your compl                    | eted form by   | one of the r                   | methods below                      | :  |                                   |                             |                           |                     |
| <b>:t:</b> Scottish      | and Souther                      | n Electricity N  | letworks, Inv                  | eralmond Hous                      | e, 200 Dunkeld Road, Pe                            | erth, PH1 3AQ                     |                             |                           |                     |
| <b>ail:</b> helen.       | patey@sse.cor                    | m <b>Online:</b> w   | ww.ssen-tran                   | nsmission.co.uk/                   | projects/dunoon                                    |                                   |                             |                           |                     |
| wnload: F                | eedback form                     | s and all the i  | nformation f                   | from todays even                   | nt can also be downloac                            | led from the d                    | edicated web                | osite.                    |                     |
| w.ssen-tr                | ansmission.co                    | o.uk/projects  | ;/dunoon                       |                                    |  |                                   |                             |                           |                     |
| / informati<br>sultation | on given on tl<br>report. By con | he feedback in<br>npleting this in this in the second s | form can be u<br>feedback forr | used and publis<br>m you consent t | hed anonymously as par<br>to Scottish and Southern | t of Scottish a<br>Electricity Ne | nd Southern<br>tworks using | Electricity Network for t | works<br>his purpo: |
|                          |                                  |  |                                |                                    |  |                                   |                             |                           |                     |

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