

Argyll and Kintyre 275kV Strategy Consultation Booklet

November/December 2021

Share your views with us:



We are launching a pre-application consultation exhibition to gain views and feedback on our proposals for:

- The Argyll and Kintyre 275kV Substations Planning Application. The Substations were consulted on as part of the Argyll and Kintyre 275kV Strategy consultations in July 2021.
- The proposed Sheirdrim Windfarm Connection project.

Information on our proposals is available within this consultation booklet and we also invite you to attend our virtual consultation events where you can view our proposals online using our virtual consultation room.

Live IM chats with the project team will be held on the following dates and times:

Wednesday 8th December 2021 -10-12 Noon

Thursday 9th December 2021 - 5-7pm

This brochure, the Argyll and Kintyre 275kV Substations Report on Consultation from the July 2021 consultation, access to the virtual room and any other information can be accessed on the project webpage: www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations/



Scottish & Southern
Electricity Networks

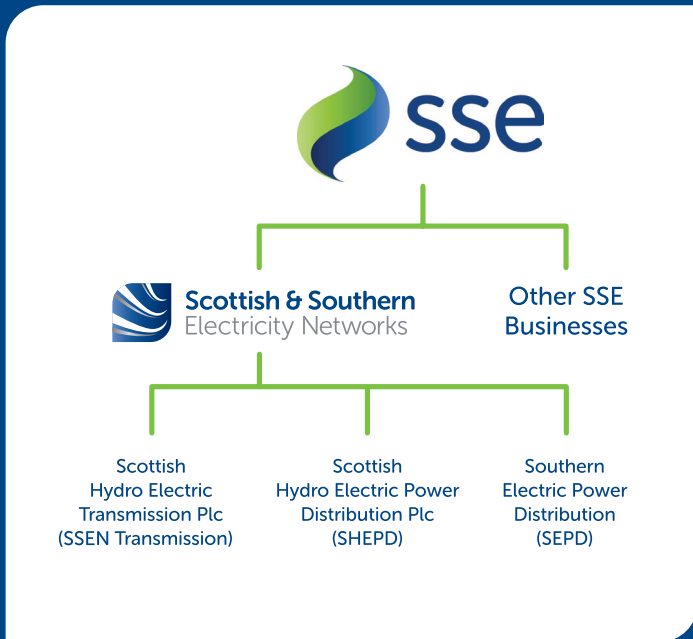
TRANSMISSION

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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.



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.

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.

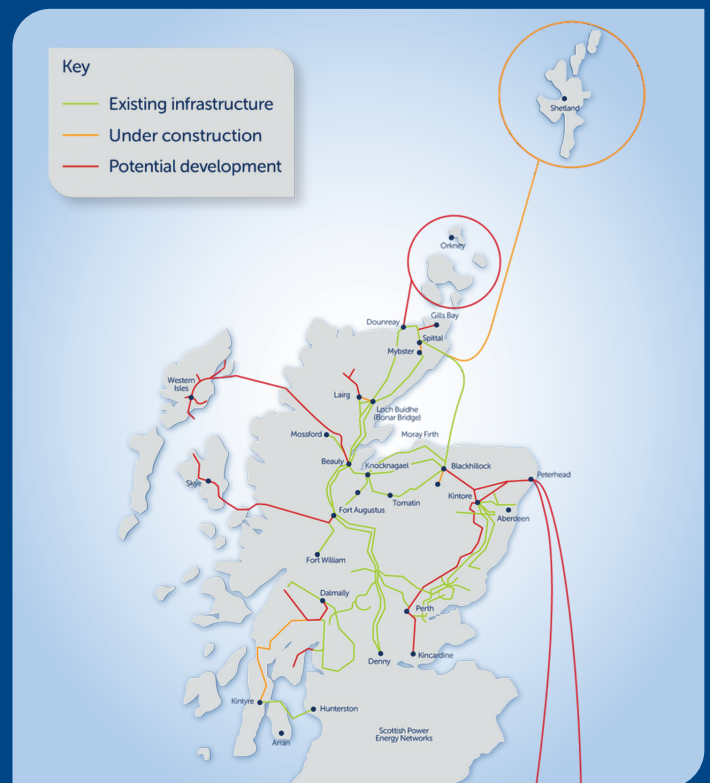
The landscape and environment that contribute to the challenges we face also give the area a rich resource for renewable energy generation. There is a high demand to connect from new wind, hydro and marine generators which rely on Scottish and Southern Electricity Networks to provide a physical link 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.

Overview of Transmission Projects



The Argyll and Kintyre 275kV Strategy

The original transmission network in Argyll and Bute was constructed over 60 years ago and designed to transmit electricity to consumers in rural areas of low-density population.

As the UK strives for Net Zero (achieving a balance between the greenhouse gases put into the atmosphere and those taken out), SSEN Transmission has seen a significant increase in generator connection applications in Argyll and Kintyre in the last 18 months, predominantly in renewable generation.

In terms of this renewable generation (i.e., windfarms), there are infrastructure requirements needed to connect generators to our Transmission network.

This means we need to increase our network capability in Argyll and Kintyre, beyond that already under current construction and public development, to enable the connection of further renewable generation and to export to the wider GB network.

We have called this group of works designed to deliver the required increase in network capacity our 'Argyll and Kintyre 275kV Strategy'.

Our Argyll and Kintyre 275kV Strategy consists of 3 projects which are at various stages of consenting and public consultation process:



Creag Dhubh
Dalmally 275kV Connection



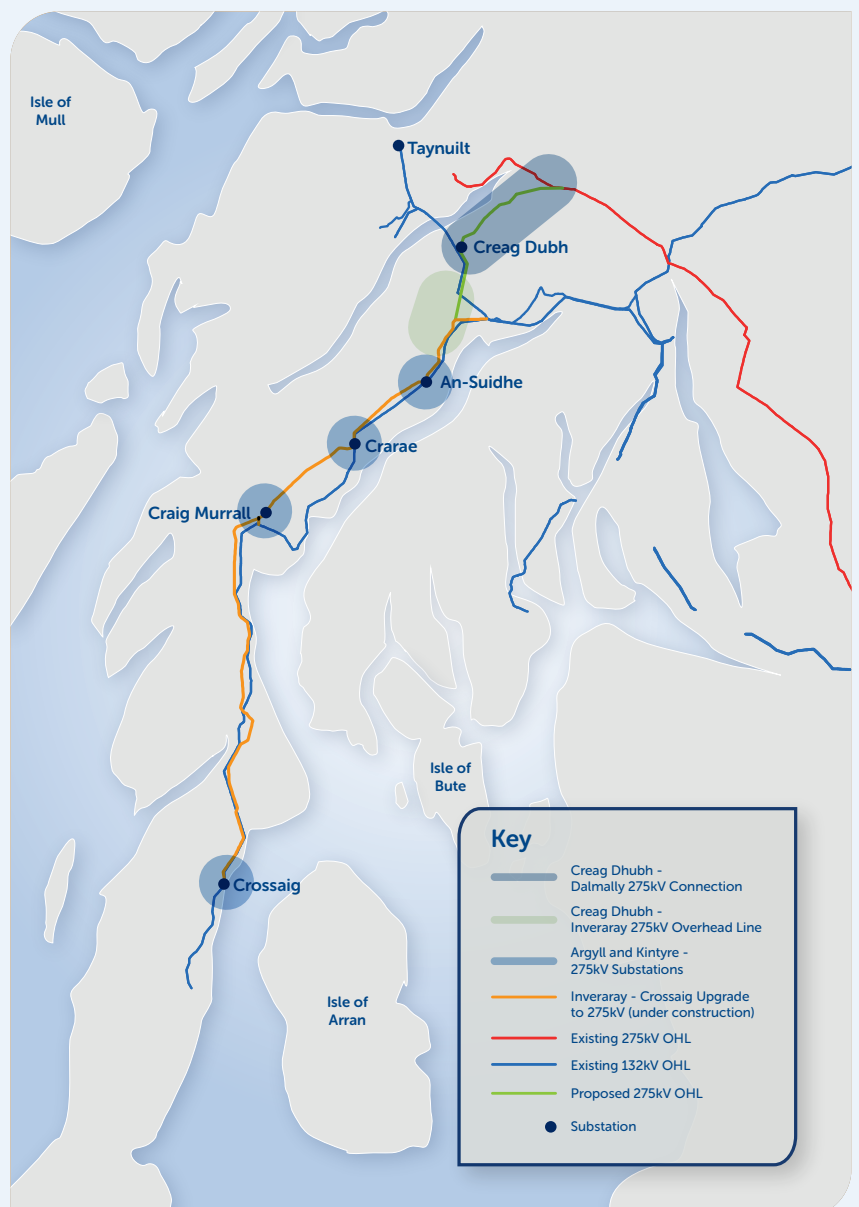
Creag Dhubh
Inveraray 275kV Overhead Line



Argyll and Kintyre
275kV Substations

To find out more about the Strategy as a whole, and sign up for updates, please visit:

www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-strategy/



Argyll and Kintyre 275kV Substations

About the project

Project Need

Due to the projected increase in renewable energy generation in Argyll, a need has been identified for the upgrade and reinforcement of the electricity transmission network on the Argyll peninsula to ensure supply and support the transition to net zero emissions.

As described during the development process for the Inveraray – Crossaig overhead line rebuild, the replacement overhead line is being built at a higher 275kV voltage, initially operating at 132kV between Inveraray and Crossaig. As future renewable generation requirements connect to the electricity network and the operating voltage is required to increase to 275kV, substations along the route will also require to be replaced to accommodate this increase.

Project Overview

We are therefore proposing to construct and operate four (4) new 275kV electricity substations at the following locations:

- in the vicinity of the existing An Suidhe substation;
- in the vicinity of the existing Crarae substation;
- in the vicinity of Craig Murrail, north of Lochgilphead; and
- in the vicinity of the existing Crossaig substation.

Once the 275kV substations are constructed, the existing 132kV substations at An Suidhe and Crarae will be decommissioned, with Port Ann and Crossaig substations being retained.

The selection of the preferred site was undertaken as a combination of the environment, engineering and cost assessment scoring and the Preferred Site Options were selected was taken forward for consultation and detailed design in July 2021. Since the consultation events, the Preferred Site Options have undergone further assessment and design resulting in minor changes taking into consideration key constraints.

We are intending on submitting our Town and Country Planning (Scotland) Act 1997 application for consent to Argyll and Bute Council in Spring 2022. This will follow our review of the feedback we receive during the consultation period.

Three of the substations will also require consent from the Scottish Governments Energy Consent Unit, through Section 37 of the Electricity Act 1989. This will cover all aspects relating to the overhead line works associated with our proposals.

These works comprise of a limited number of diversions and 'tie ins' which relate to ongoing reinforcements associated with the Inveraray to Crossaig transmission network.

The following pages outline the proposals that we are seeking to take forward to Planning and Section 37 application submission, on which your feedback is sought.

- Technology Options (**page 7**)
- An Suidhe Substation (**page 8**)
- Crarae Substation (**page 10**)
- Craig Murrail Substation (**page 12**)
- Crossaig North Substation (**page 14**)

Technology Options

Following the consultation process and a technology options review, it was determined that an Air Insulated Switchgear (AIS) substation was the preferred solution to meet decarbonisation goals that we have committed to in our RIIO-T2 business plan: (www.ssen-transmission.co.uk/media/3761/a-network-for-net-zero-final-business-plan.pdf).

The alternative option to AIS is known as Gas Insulated Switchgear (GIS). GIS substations are smaller in size to an AIS substation. However, GIS substations utilise Sulphur Hexafluoride (SF₆) as an insulator in both the switchgear bay and the circuit breaker. SF₆ is a very high global warming potential greenhouse gas.

However, innovation in switchgear technology may provide SSEN Transmission with an opportunity to consider a GIS substation that does not use SF₆ gas. This would allow us to reduce the size of our substation footprint, the height of the control building and the extent of associated works, which are currently proposed under an AIS solution.

An Suidhe Substation

Components of the Proposed Development that will be subject to Town and Country Planning

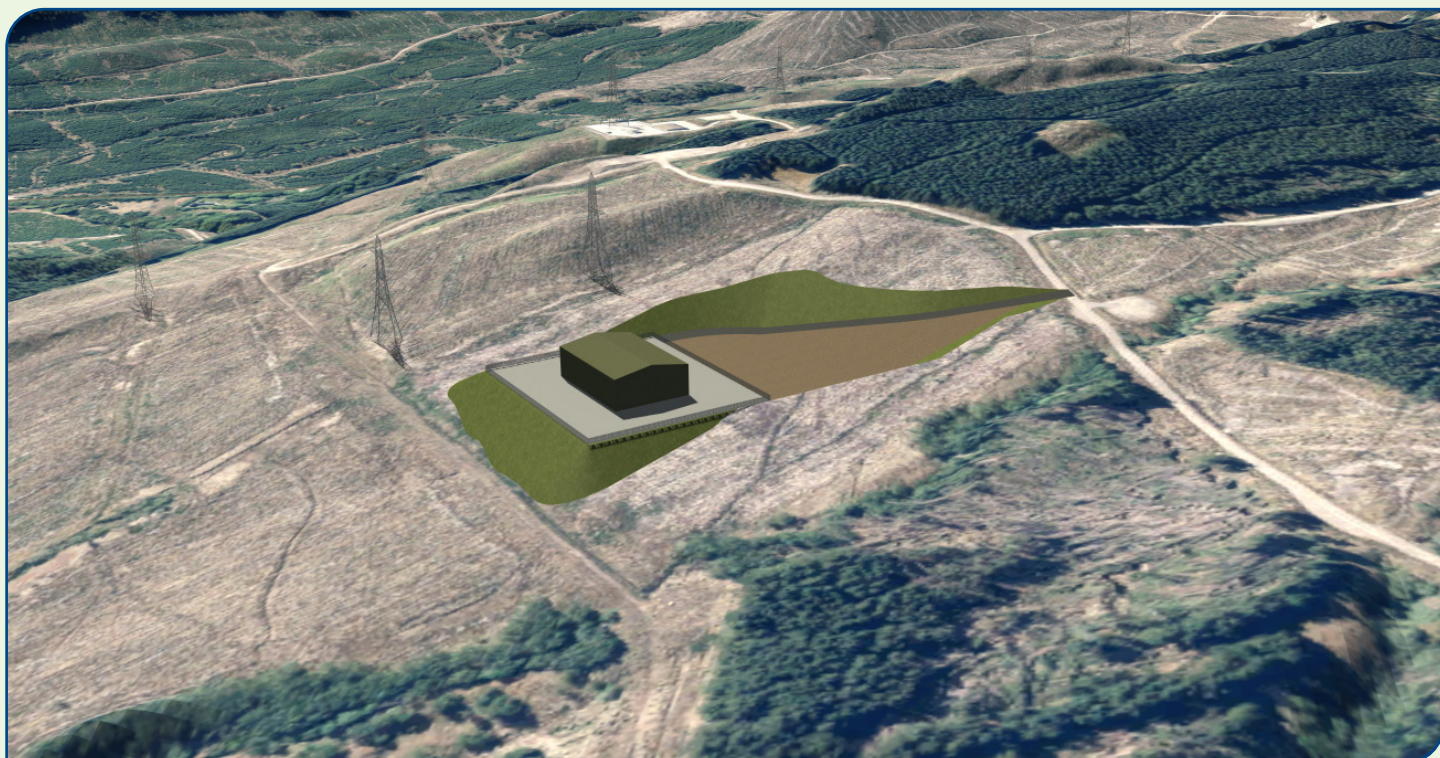
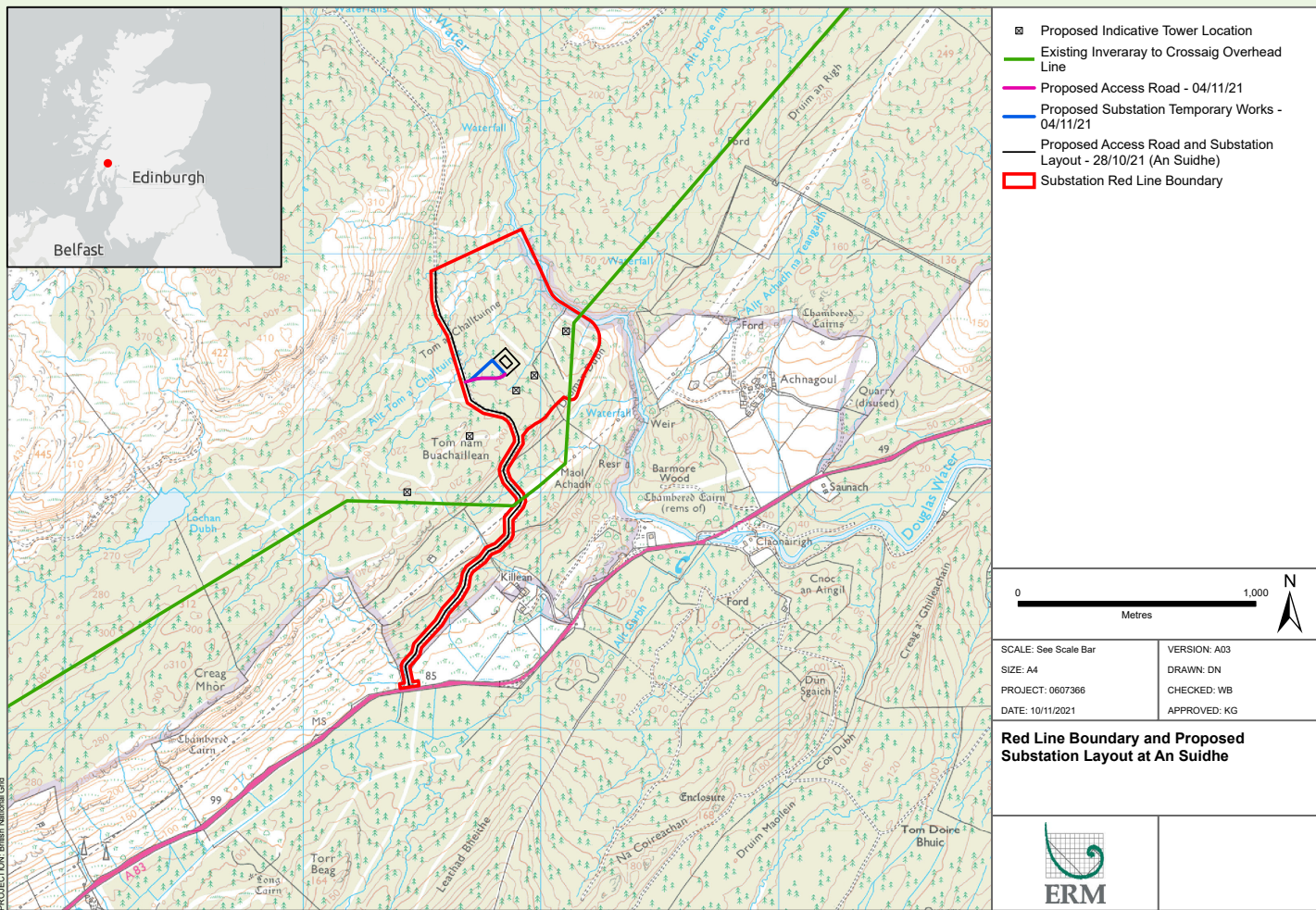
- A level platform of up to 0.6 ha (excluding cut/fill required to tie the platform into existing ground levels);
- Gas-insulated switchgear (GIS) comprising of a control building (likely to be 31m by 45m with an approximate height of 15m), infrastructure, electrical equipment and Internal roads, access paths, and hardstanding areas within the substation compound;
- The site would be surrounded by a 2.4m high security fence of palisade construction with CCTV surveillance;
- Upgrading approximately 2.5km of existing access tracks and new access tracks (length to be confirmed);
- Formation of a temporary works area and construction laydown areas;
- Associated landscaping works and felling of approximately 7.5ha commercial forestry; and
- Drainage, including attenuation basins (SuDS ponds), the number to be confirmed.

Components of the Associated Development subject to Section 37 of the Electricity Act 1989

- Approximately five towers will be required to make the connection into and out of the proposed substation;
- Potential for short term temporary overhead line diversions during construction; Temporary works areas (where possible, the main site compound will be shared with the substation above); and
- Dismantling of seven redundant towers.

Key Environmental Considerations

- Glen Etive and Glen Fyne SPA is over 10km to the north east. There are no sites within 5km designated for habitat.
- The majority of the Proposed Development is within commercial coniferous plantation of low ecological and conservation value. There is an area of semi-natural broadleaved woodland, which is of higher ecological importance than the surrounding conifer habitat. There are no Ground Water Dependent Terrestrial Ecosystems (GWDTEs) or Annex 1 habitats present.
- The Proposed Development is not within a nationally or locally designated landscape. It is 1.8km east of a locally designated landscape, West Loch Fyne (Coast) Area of Panoramic Quality (APQ) and 4.6km north east of the East Loch Fyne (Coast) APQ. The closest residential receptors are approximately 700 m downslope.
- The proximity and character of designated assets within 2km of the Proposed Development has potential to result in indirect impacts resulting from changes to setting. These include Category B listed Claonairigh House approximately 2km to the south and the Inveraray Castle Garden and Designated Landscape.
- The closest watercourse is Douglas Water, 300m east of the Proposed Development. The SEPA flood map indicates that the Proposed Development contains very small pockets of high-medium likelihood surface water flooding.
- The nearest noise sensitive receptor is approximately 700m from the Proposed Development.
- With the implementation of mitigation that will be agreed with Argyll and Bute Council the Proposed Development is not considered likely to have a significant effect upon the environment and local receptors during construction and operation.



Crarae Substation

Components of the Proposed Development that will be subject to Town and Country Planning

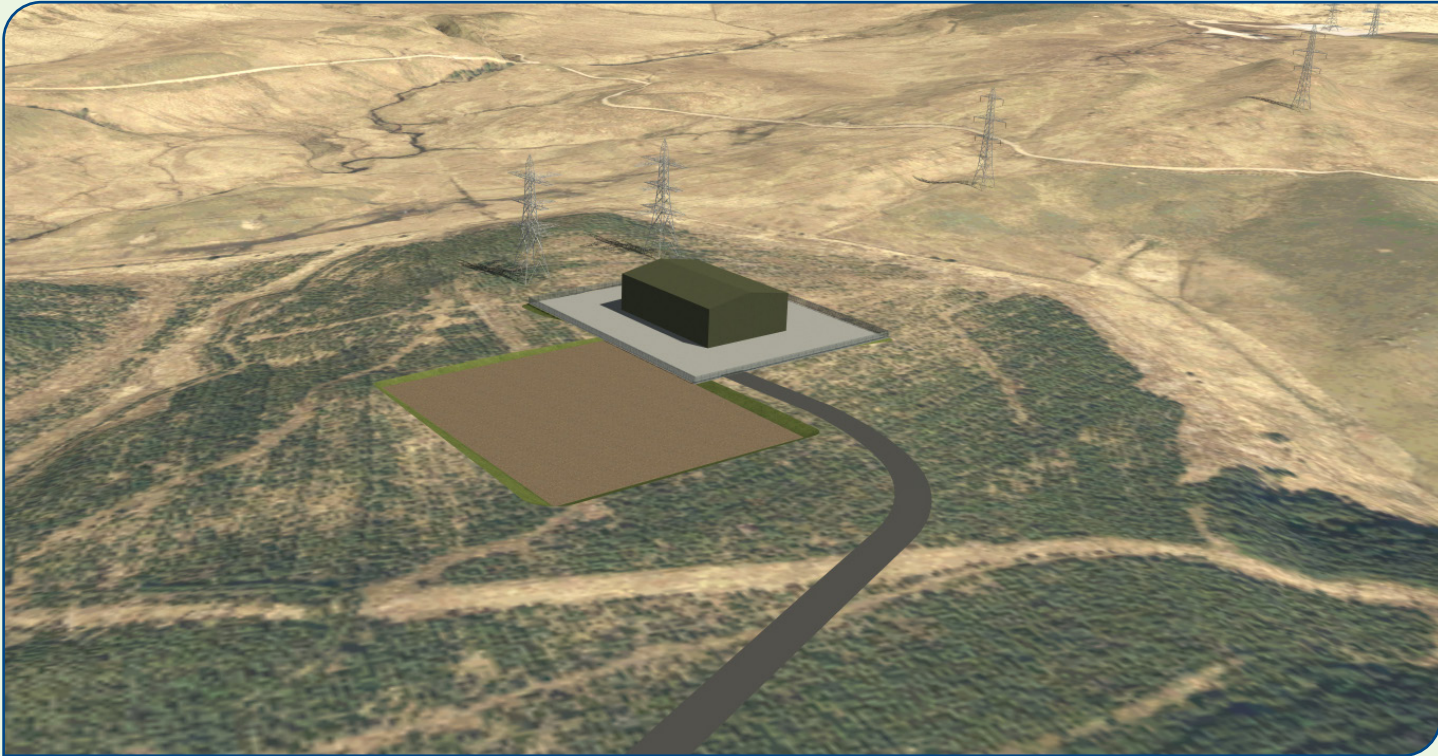
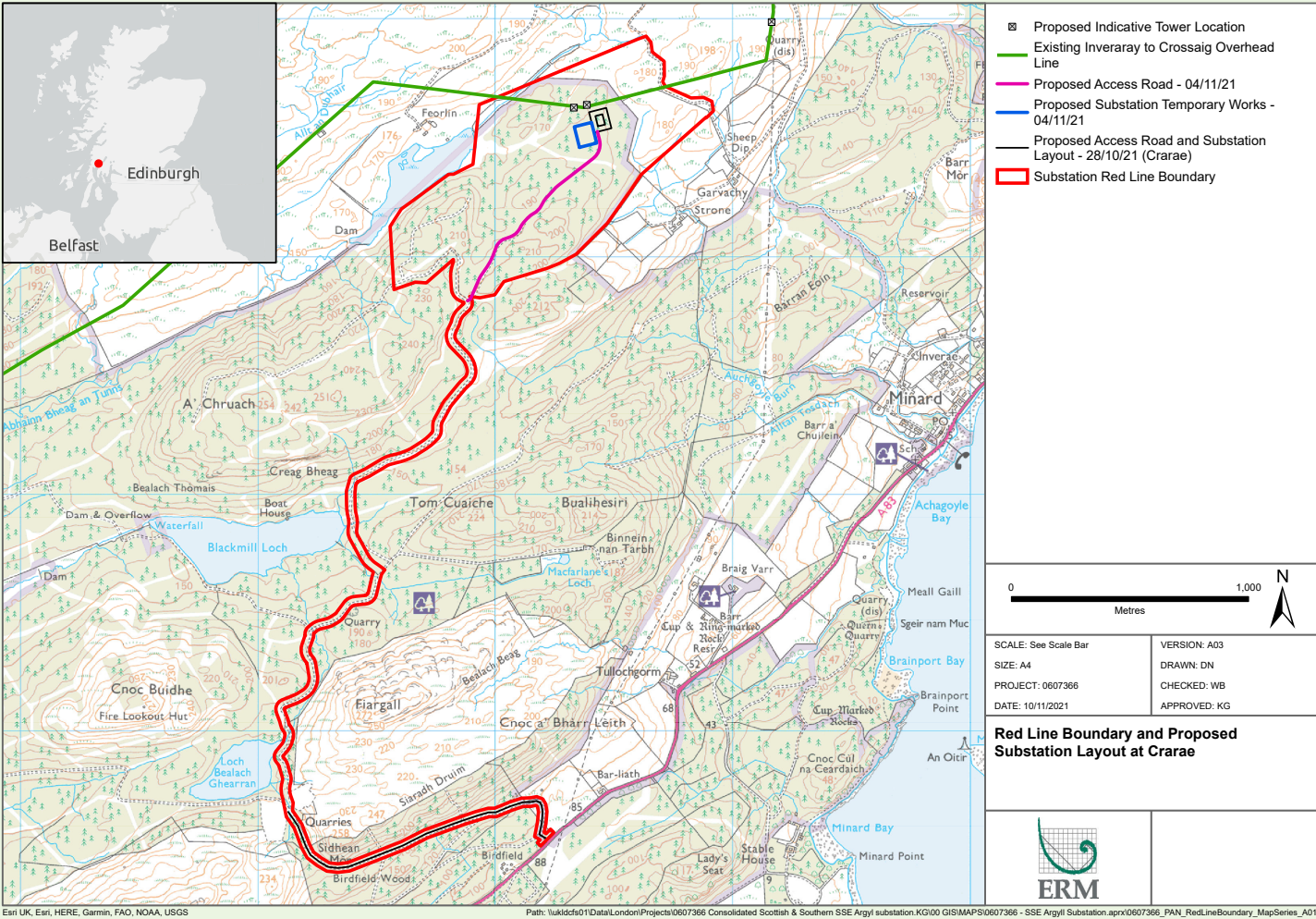
- A level platform of up to 0.6 ha (excluding cut/fill required to tie the platform into existing ground levels);
- Gas-insulated switchgear (GIS) comprising of a control building (likely to be 31m by 45m with an approximate height of 15m), infrastructure, electrical equipment and Internal roads, access paths, and hardstanding areas within the substation compound;
- The site would be surrounded by a 2.4m high security fence of palisade construction with CCTV surveillance;
- Upgrading approximately 4.5km of existing access tracks and new access tracks (length to be confirmed)
- Formation of a temporary works area and construction laydown areas;
- Associated landscaping works and felling approximately 3 ha of commercial forestry; and
- Drainage, including attenuation basins (SuDS ponds), the number to be confirmed.

Components of the Associated Development subject to Section 37 of the Electricity Act 1989

- Approximately three towers will be required to make the connection into and out of the proposed substation;
- Potential for short term temporary overhead line diversions during construction;
- Temporary works areas (where possible, the main site compound will be shared with the substation above); and
- Dismantling of three redundant towers.

Key Environmental Considerations

- The Proposed Development is within commercial coniferous plantation of low ecological and conservation value though there is potential for red squirrel dreys.
- There is an area of marshy grassland within the site which has potential for Ground Water Dependent Terrestrial Ecosystems (GWDTEs) and further assessment will be undertaken to confirm this.
- Knapdale Loch SPA is over 17km to the west. There are no sites within 5km designated for habitat.
- The Proposed Development does not sit within a nationally designated landscape. The Proposed Development is approximately 1.6km west of a locally designated landscape, West Loch Fyne (coast) Area of Panoramic Quality (APQ) and 4km west of East Loch Fyne (coast) APQ. The closest residential receptors are over 500m down slope.
- Crarae Garden and Designed Landscape is approximately 1.8km to the east. Crarae Lodge scheduled monument is approximately 2.4km to the south east. Brainport Bay scheduled monuments are approximately 2.5km to the south. Minard Castle Category B listed building is approximately 3km to the south. the presence of intervening forestry and the separation distance suggests that there will be no significant effects on the setting of designated assets.
- The closest watercourse is Abhainn Bhaeg An Tunns, adjacent to the Proposed Development. The SEPA flood map indicates that the Proposed Development contains very small pockets of high- medium likelihood surface water flooding.
- The nearest noise sensitive receptor is approximately 500m from the Proposed Development.
- With the implementation of mitigation that will be agreed with Argyll and Bute Council the Proposed Development is not considered likely to have a significant effect upon the environment and local receptors during construction and operation.



Craig Murrail Substation

Components of the Proposed Development that will be subject to Town and Country Planning

- A level platform of up to 0.8 ha (excluding cut/fill required to tie the platform into existing ground levels);
- Gas-insulated switchgear (GIS) comprising of a control building (likely to be 31m by 66m with an approximate height of 15m), infrastructure, electrical equipment and Internal roads, access paths, and hardstanding areas within the substation compound. with an approximate height of 15m);
- 33kV Switchroom building (likely to be 20m by 6m);
- The site would be surrounded by a 2.4m high security fence of palisade construction with CCTV surveillance;
- Upgrading approximately 5.1km of existing access tracks and new access tracks (length to be confirmed);
- Formation of temporary site compounds and construction laydown areas;
- Associated landscaping works and felling of approximately 0.5 ha of commercial forestry; and
- Drainage, including attenuation basins (SuDS ponds), the number to be confirmed.

Components of the Associated Development subject to Section 37 of the Electricity Act 1989

- Approximately three towers will be required to make the connection into and out of the proposed substation;
- Potential for short term temporary overhead line diversions during construction;
- Temporary works areas (where possible, the main site compound will be shared with the substation above); and
- Dismantling of three redundant towers.

Key Environmental Considerations

- The majority of the Proposed Development is commercial coniferous plantation of low ecological and conservation value. An area of mature conifer woodland is present with potential for red squirrel species.
- Moine Mhor SAC, SSSI and LNCS is 4km to the east. Taynish and Knapdale Woods SAC and SSSI is 7km to the east. Knapdale Loch SPA & SSSI is 7km to the south east. Lochgilphead LNCS is 3.5km to the south. Loch Leathan LNCS is 6.9km north.
- The Proposed Development does not sit within a nationally or locally designated landscape. It is approximately 1.8km south east of the Knapdale National Scenic Area (NSA). The West Loch Fyne (Coast) Area of Panoramic Quality (APQ) is 3.3km east. The closest residential receptors are located approximately 1.3km away.
- The proximity and character of designated assets within 2km of the Proposed Development has potential to result in indirect impacts resulting from changes to setting. The Scheduled Monument Auchoish long cairn lies in a forestry clearing approximately 600m east. Achnabreck prehistoric rock carvings Scheduled Monuments are approximately 1.9km to the south west. Ballimore Garden and Designated Landscape is over 8km to the south west. Through implementation of mitigation no significant effects are likely.
- The SEPA flood map indicates that the Proposed Development has small areas of high-medium surface water flood risk through implementation of mitigation no significant effects are likely. The Proposed Development is in close proximity to the north west tributary of the Dippin Burn, however it is beyond 30m and not at risk of river flooding.
- The nearest noise sensitive receptor is over 1.3km from the Proposed Development.
- With the implementation of mitigation that will be agreed with Argyll and Bute Council the Proposed Development is not considered likely to have a significant effect upon the environment and local receptors during construction and operation.

Crossaig North Substation Design

Components of the Proposed Development that will be subject to Town and Country Planning

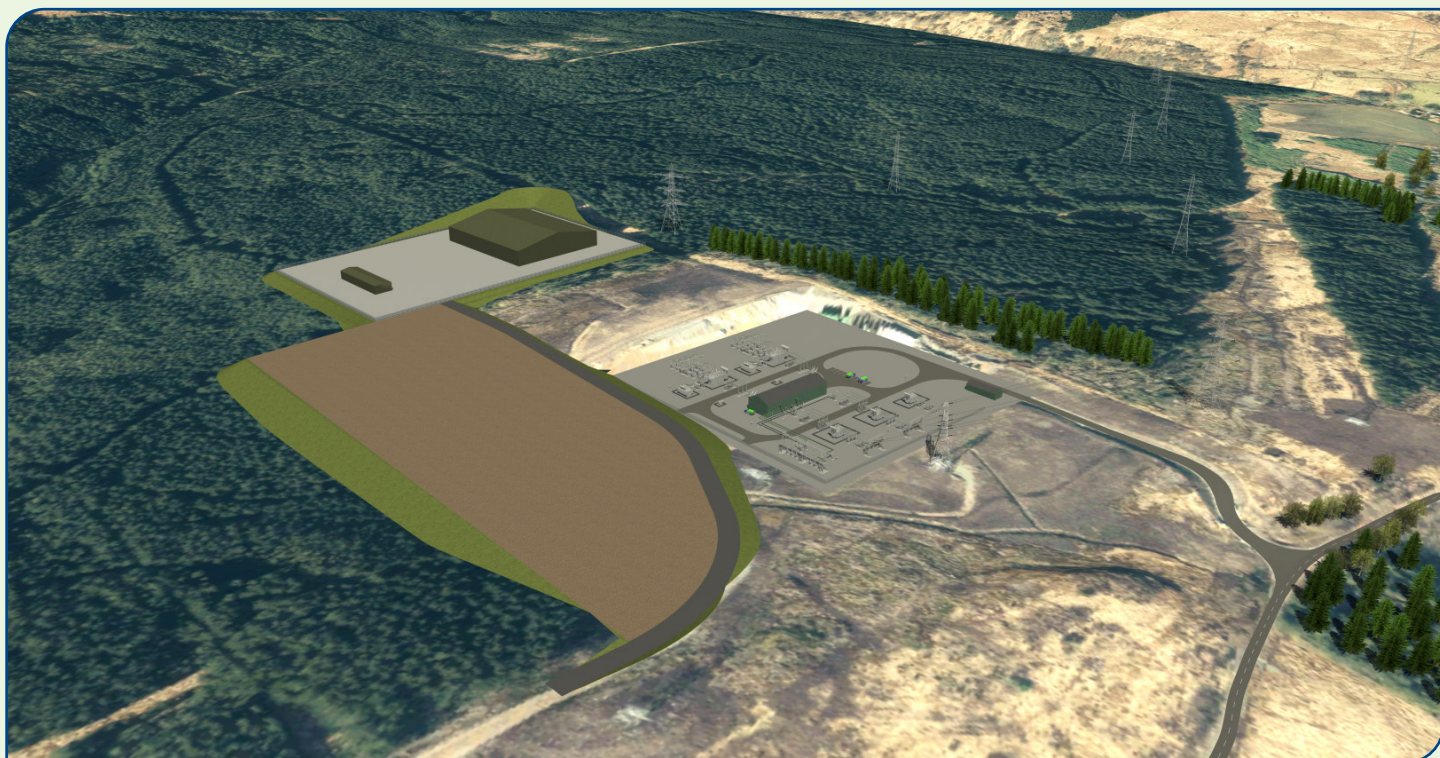
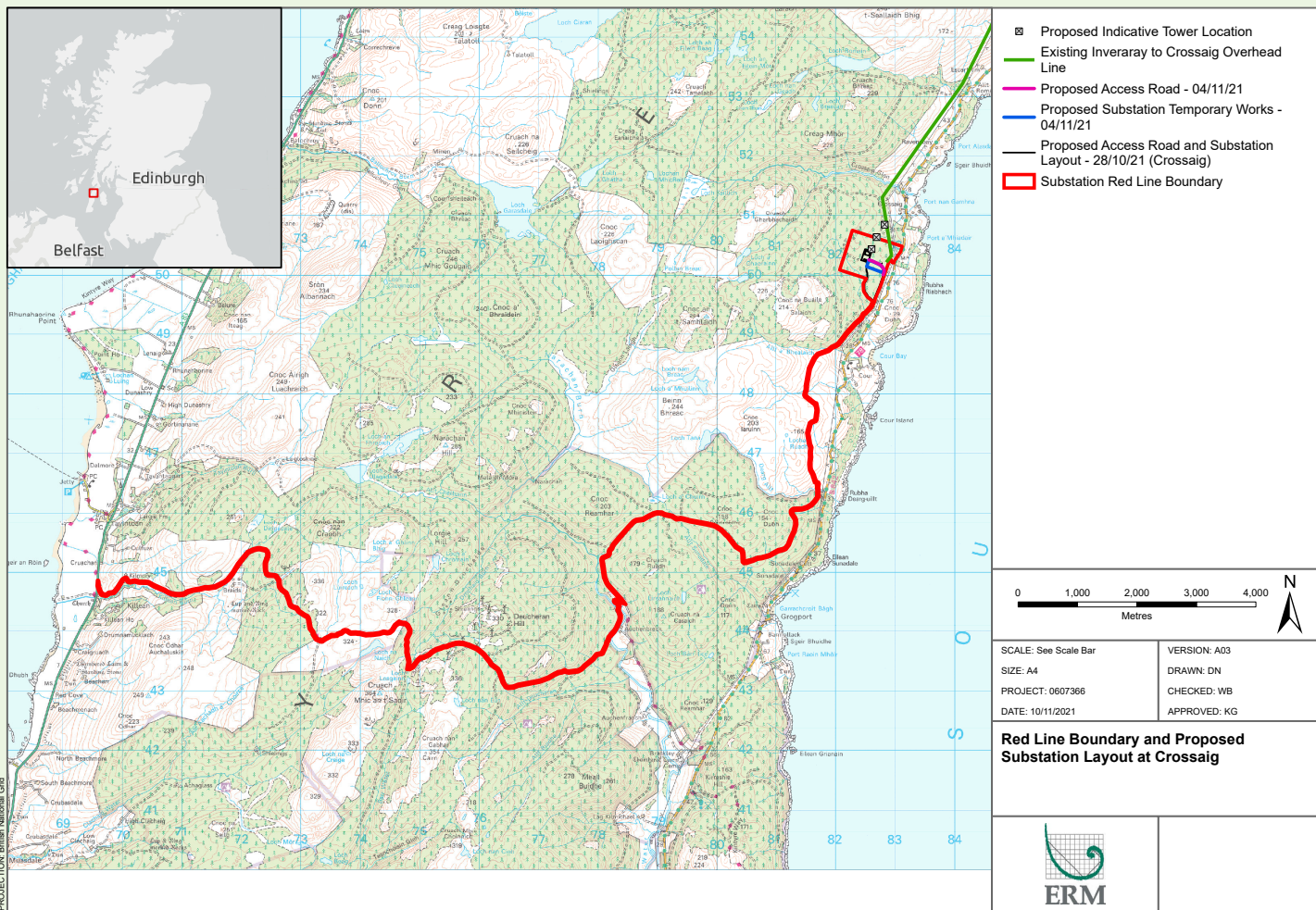
- A level platform of up to 1.93 ha (excluding cut/fill required to tie the platform into existing ground levels.);
- Gas-insulated switchgear (GIS) comprising of two control buildings, infrastructure, electrical equipment and Internal roads, access paths, and hardstanding areas within the substation compound:
 - One 275kV control building likely to be 31m by 65m with an approximate height of 15m;
 - One 132kV control building likely to be 11m by 20m with an approximate height of 15m; and
 - Two new 480MVA 275/132kV supergrid transformers located between the above mentioned buildings;
- The site would be surrounded by a 2.4m high security fence of palisade construction with CCTV surveillance;
- Upgrading approximately 25 km of existing access tracks and new access tracks (length to be confirmed);
- Formation of temporary site compounds and construction laydown areas;
- Associated landscaping works and felling approximately 14 ha of commercial forestry; and
- Drainage, including attenuation basins (SuDS ponds), the number to be confirmed.

Components of the Associated Development subject to Section 37 of the Electricity Act 1989

- Approximately three towers will be required to make the connection into and out of the proposed substation;
- Potential for short term temporary overhead line diversions during construction;
- Temporary works areas (where possible, the main site compound will be shared with the substation above); and
- Dismantling of ten redundant towers.

Key Environmental Considerations

- The Proposed Development does not sit within any internationally, nationally, or locally designated sites.
- A number of international designated sites lie within 10km of the Proposed Development, including Sound of Gigha SPA (9.5km west), Kintyre Goose Lochs SPA (7.8km west), Kintyre Goose Roosts SPA (5.2km west).
- A number of nationally designated sites lie within 10km of the Proposed east Development, including Arran Northern Mountains (7.2km), Claonaig Wood SSSI (5.7km north).
- A number of Local Nature Conservation Sites (LNCS) lie within 5km of the Proposed Development including Crossaig Glen LNCS (1.5km north), Cour LNCS (2km south), Loch an Eilein Group (4km north west).
- The majority of the Proposed Development is commercial coniferous plantation of low ecological conservation value. There is an area of mature conifer woodland, which has the potential to support red squirrel.
- The Proposed Development does not sit within a nationally or locally designated landscape. There would be views of the Proposed Development from the Arran National Scenic Area (NSA) and North Arran Wild Land Area (WLA), which lie 4.5km south east. The closest residential receptors are over 1km to the north east.
- The proximity and character of designated assets within 2km of the Proposed Development does not indicate potential for indirect impacts resulting from changes to setting. There is a Category A Listed Building, Cour House, within 1.8km of the Proposed Development. The closest Scheduled Monument is Talatoll, over 5km north east.
- The SEPA flood map indicates that the Proposed Development contains small pockets of high-medium likelihood surface water flooding. A watercourse is located at the south west corner of the Proposed Development.
- The nearest noise sensitive receptor is over 1km from the Proposed Development.
- With the implementation of mitigation that will be agreed with Argyll and Bute Council the Proposed Development is not considered likely to have a significant effect upon the environment and local receptors during construction and operation.



Next Steps

Environmental

Environmental surveys are currently being undertaken within the proposed planning application boundaries which will enable us to undertake an Environmental Assessment to identify potential impacts and to develop robust mitigation strategies to ensure that there are no significant residual impacts on the environment and local receptors during construction and operation.

Design

Following the collation of feedback and outline results from the surveys the design will be finalised for taking forward to the submission of the planning application.

Sheirdrim Wind Farm Connection Consultation

What is the project?

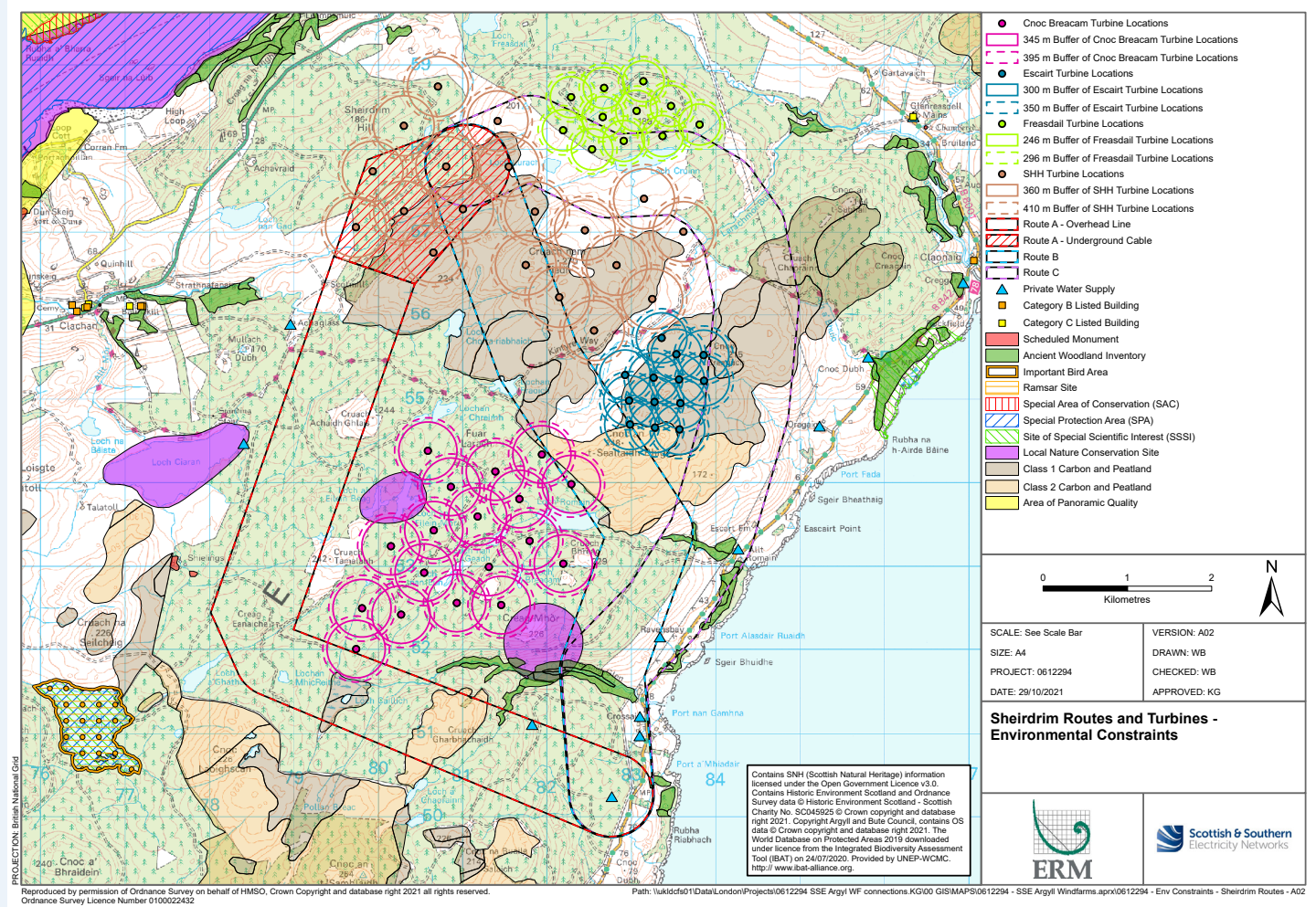
Scottish Power (UK) Ltd is the developer for the proposed Sheirdrim Windfarm located west of Claonaig, in Argyll. The 84MW windfarm requires a single circuit 132kV overhead line (OHL) connection from the windfarm substation compound and terminating at the existing Crossaig 132kV substation, with an approximate length of 11 km.

SSEN seeks to connect Sheirdrim Windfarm to the wider electricity network. It also aims to obtain planning permission for the Sheirdrim Windfarm Substation Compound. The substation platform would be the responsibility of Scottish Power (UK) Ltd as the Windfarm developer. The proposed project would involve:

- A possible underground cable (UGC) from the Sheirdrim Windfarm Substation Compound, extending approximately 2 km to 3 km before converting to OHL. This would require excavation of a trench in which to lay the cable and the construction of joint bays.
- Between 8 km and 11 km of trident wood poles or steel lattice structures to carry a single circuit 132kV OHL. Wood poles would require excavation and backfilling. Where shallow bedrock is present, it may be necessary to break or remove rock to accommodate pole foundations. Steel lattice towers would require excavation of a suitable area for the tower pad and installation of foundation.
- Install a 120MVA 132/33kV transformer; a GIS 33kV transformer Circuit Breaker; and a 33kV Switch Disconnector on suitable level platforms inside a combined control and transformer building; along with their associated cabling/metering/protection equipment.
- Felling commercial forestry to create an operational corridor to enable the safe operation and maintenance of the OHL.
- Associated works will include creation of temporary laydown areas for materials and welfare facilities, installation of permanent and temporary access tracks and drainage infrastructure.
- Remedial works to reinstate the immediate vicinity of the works and any ground disturbed, to pre-existing use.

What are the Route Options?

We have identified three potential Routes for the new overhead line. The Route selection process identifies a wide corridor in which a preferred Alignment for the overhead line can be determined. This aims to progress towards a preferred overhead line Alignment in a systematic manner, which is technically feasible, economically viable, and could be anticipated to cause the least disturbance to the environment and to those who live, work and visit the area or use it for recreation. The options are:



1. Route A

Route A comprises UGC and OHL and heads south from the proposed windfarm, then turning east at Loch Ghatha, to Crossaig substation. The approximate route length is 11km.

2. Route B

Comprises OHL and UGC, travelling south from the proposed wind farm, with the most direct route to Crossaig substation. The southern section of the route runs alongside north of the B842. The approximate route length is 8km.

3. Route C

Comprises OHL and UGC and heads east from the wind farm, then south after passing Loch Cruinn. Route C joins with Route B at Crossaig Glen, and both follow south to Crossaig substation, alongside the B842. The approximate route length is 11km.

What are the potential risks associated with these options?

We have completed a desk-based assessment of the routes and identified that all three options present the following environmental risks:

- commercial forestry would need to be felled.
- direct impact on areas of blanket bog and peat.
- cultural heritage assets may be impacted by route development.
- intersects with the Kintyre Way, with potential for close range visual effects.
- potential for barrier and collision impacts to Schedule 1 birds including qualifying interests of Kintyre Goose Roosts SPA and Sound of Gigha SPA.
- potential impacts to Ancient Woodland and Semi Natural Ancient Woodland habitats and to European and Nationally protected species. Route A contains a very small area of Ancient Woodland, which could be avoided during the Alignment process.

Sheirdrim Windfarm Connection Environment RAG rating of all three route options

RAG Impact Rating - Environmental	Route Option		
	A	B	C
Natural Heritage			
Designations	Orange	Red	Red
Protected Species	Green	Green	Green
Habitats	Orange	Red	Red
Hydrology/geology	Green	Green	Green
Ornithology	Orange	Orange	Orange
Cultural Heritage	A	B	C
Designated	Orange	Green	Green
Non designated	Green	Green	Green
People	A	B	C
Proximity to dwellings	Green	Green	Green
Landscape	A	B	C
Access	Orange	Orange	Orange
Character	Orange	Orange	Orange
Visual	Orange	Orange	Orange
Land Use	A	B	C
Agriculture	Green	Green	Green
Forestry	Orange	Orange	Orange
Recreation	Orange	Orange	Orange
Planning	A	B	C
Planning	Orange	Orange	Orange

The Engineering assessment has identified that all routes will present some challenges mainly due to the presence of peat, with Route B having the greatest potential to affect peatland. Route B is the shortest route as it takes a direct path through two windfarms, and this may cause technical challenges to maintain clearance from the wind turbines, potentially increasing overall construction cost.

There are constraints affecting Route C due to proximity to the 275kV Inveraray to Crossaig OHL, windfarms and potential flood risk. Route A is marginally the longest route. It presents the least technical challenges when compared to Routes B and C.

To illustrate the level of risk associated to each consideration, please see the below Red Amber Green (RAG) table.

A high risk is shown as red, a medium risk is shown as amber, and a low risk is shown as green.

Sheirdrim Windfarm Connection Engineering RAG rating of all three route options

Category	Route Option		
	A	B	C
Infrastructure Crossing			
Major Crossings	Green	Green	Green
Minor Roads	Red	Green	Orange
Environmental Design	A	B	C
Elevation	Green	Orange	Green
Contaminated Land	Orange	Orange	Orange
Flooding	Orange	Green	Red
Ground Condition	A	B	C
Terrain	Green	Green	Green
Peatland	Red	Red	Red
Construction and Maintenance	A	B	C
Access	Green	Red	Green
Proximity	A	B	C
Clearance Distance	Green	Green	Green
Windfarms	Orange	Red	Red
Communication Masts	Green	Green	Green
Additional Considerations	A	B	C
Route Length	Red	Green	Red

What else is happening in Argyll?

SSEN consulted on the three projects which make up the Argyll 275kV Strategy (1. Creag Dhubh to Dalmally 275kV Connection, 2. Creag Dhubh to Inveraray 275kV Overhead Line and 3. Argyll and Kintyre 275kV Substations) in July 2021. The Report on Consultation for each of these projects can be found on the project specific website:

[\(www.ssen-transmission.co.uk/projects/creag-dhubh-dalmally-275kv-connection/\)](http://www.ssen-transmission.co.uk/projects/creag-dhubh-dalmally-275kv-connection/)

[\(www.ssen-transmission.co.uk/projects/creag-dhubh-inveraray-275kv-overhead-line/\)](http://www.ssen-transmission.co.uk/projects/creag-dhubh-inveraray-275kv-overhead-line/)

[\(www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations/\)](http://www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations/)

We are engaging with the Community in Dalmally regarding the alignment which will be taken forward in our Section 37 Application for the Creag Dhubh to Dalmally 275kV Connection. We expect to make this application in early 2022.

The Creag Dhubh to Inveraray Overhead Line Project is now in the Alignment stage with consultation on the Preferred Alignment provisionally planned for January 2022.

Alongside the Argyll 275kV Strategy, SSEN Transmission are currently developing and constructing additional reinforcement, generation connection and VISTA projects across Argyll. We've provided a list of our SSEN Transmission projects in the region below, alongside a short description and links to where you can access further information.

Sloy Power Station Substation Rebuild

Transmission assets at Sloy Power Station Substation are reaching the end of their working life and need to be replaced. This project includes a new substation near the existing one at the power station, tower and gantry works for connection to the existing overhead line, 11kV cables to be installed to connect back to the power station from the new substation location and removal of existing equipment at the existing substation. The project team are currently identifying potential locations and further information is expected to be shared later this year.

Inveraray – Crossaig Reinforcement

This project involves the rebuild of the existing overhead line between Inveraray and Crossaig and has been in construction since late 2019. Construction on Phase 1 of the project (Inveraray – Port Ann) is drawing to completion whilst enabling works for Phase 2 commenced in May 2021. Find out more:

ssen-transmission.co.uk/projects/inveraray-crossaig

Carradale Substation

The aim of this project is to reinforce Carradale Substation in order to enable renewable generation connection requests. This involves the replacement of four existing transformers with higher capacity units to enable this upgraded connection. Work is ongoing and due to be completed by the end of 2022. Find out more:

ssen-transmission.co.uk/projects/carradale-substation

Dunoon Overhead Line Rebuild

The aim of this project is to replace the existing overhead transmission network line which connects Dunoon to the wider national grid. The existing overhead line is supported by an old design suite of metal lattice towers (often referred to as pylons) which are coming toward the end of their operational life. The project is currently in development and following consultation on the preferred route alignment in August 2021, SSEN plan to submit a Section 37 application for this project in 2022.

Find out more: ssen-transmission.co.uk/projects/dunoon/

Glen Falloch and Sloy VISTA

As part of the SSEN Transmission's VISTA (Visual Impact of Scottish Transmission Assets) initiative, we are installing a 132kV twin cable section of the existing 132kV double overhead line circuit at Sloy and Glen Falloch. Construction commenced earlier this year and 26 steel towers are scheduled to be removed by the end of 2021. Find out more:

ssen-transmission.co.uk/projects/vista-glen-falloch-sloy



Carradale Substation



Existing Dunoon Overhead Line to be rebuilt

Windfarm Connection Projects

As mentioned, the Argyll and Kintyre 275kV Strategy is required to facilitate renewable generation in Argyll. We also have a requirement to connect this renewable generation to our upgraded infrastructure.

Windfarm Connection Projects with consultation planned for Spring 2022:

Blarghour Wind Farm Connection: This project aims to connect the proposed Blarghour Wind Farm to the new Creag Dhubh Substation via approximately 10km of overhead line by Autumn/Winter 2025. Consultation on the preferred route for the OHL is targeted for Spring 2022.

Earraghail Wind Farm: The project aims to connect the Earraghail Wind Farm development via c3km of 275kV Double Circuit Overhead Line onto the existing Craig Murrail – Crossaig Overhead Line for October 2025. Consultation on the preferred route for the Overhead Line will be undertaken in Spring 2022.

Tangy 4 Wind Farm: The project aims to connect the Tangy 4 Wind Farm development via c22km of 132kV Single Circuit Overhead Line onto the existing Crossaig – Carradale Overhead Line for October 2026. Consultation on the preferred corridor for the Overhead Line will be undertaken in Spring 2022.

High Constellation Wind Farm Connection: This project aims to connect High Constellation Wind Farm to the existing Crossaig Substation via approximately 400m of underground cable by Spring 2025.



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 planning.

Join our face to face and virtual consultation

Our consultation events have been organised to ensure our project teams will be available to answer questions on following dates and times:

- **Tuesday 30th November 2021: 1pm - 7pm - Loch Fyne Hotel for An Suidhe Substation**
- **Wednesday 1st December 2021: 1pm - 7pm - Carradale Village Hall for Crossaig North Substation and Sheirdrim Windfarm**
- **Thursday 2nd December 2021: 1pm - 7pm - Cairnbaan Hotel Lochgilphead Crae and Craig Murrail Substation**

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

- **Wednesday 8th December 2021: 10pm - 12 Noon**
- **Thursday 9th December 2021: 5pm - 7pm**

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

The feedback forms 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 Pre-Application Consultation (PAC) Report is received in written format (feedback received via phone calls will be circulated to the project team but would not be included in the PAC Report).

All feedback received will be collated, reviewed and included in the PAC Report which will accompany the Planning Applications submission to Argyll and Bute Council in Spring 2022. The PAC Report will also be available to view on the project webpage.



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

We are happy to **post out copies of this brochure**, please contact the Community Liaison Manager to arrange this.

Keep in touch

If you have any questions or require further information regarding SSEN Transmission's Argyll and Kintyre 275kV Substations, please do not hesitate to contact the project Community Liaison Manager:

Caitlin Quinn

Caitlin.Quinn@sse.com

07901 135 758

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

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 **Monday 10th January 2022**. 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.

Your Feedback - An Suidhe Substation PAN

If you prefer, the same form is available to complete online and can be found on the project webpage: www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations/
Please complete in **BLOCK CAPITALS**. (Please tick one box per question only).

Q1 Do you feel sufficient information has been provided to enable you to understand what is being proposed on site and why?

Yes No If no, please tell us how we could provide further explanation

Q2 Are you satisfied that the proposed layout and design is appropriate for the site location?

Yes No If no, please tell us how we could provide further explanation

Q3 Do you have any particular concerns or queries on the Proposed Development?

Q4 Is there anything specific you would like to raise in relation to the project which will impact on the planning process to deliver this essential network upgrade at An Suidhe substation?



Do you have any other comments / support on the Proposed Development?

Full name

Address

Telephone

Email

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

If you would like your comments to remain anonymous 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: Scottish Hydro Electric Transmission, Inveralmond House, 200 Dunkeld Road, Perth, PH1 3AQ

Email: Caitlin.Quinn@sse.com



Your Feedback - Crarae Substation PAN

If you prefer, the same form is available to complete online and can be found on the project webpage: www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations/
Please complete in **BLOCK CAPITALS**. (Please tick one box per question only).

Q1 Do you feel sufficient information has been provided to enable you to understand what is being proposed on site and why?

Yes No

If no, please tell us how we could provide further explanation

Q2 Are you satisfied that the proposed layout and design is appropriate for the site location?

Yes No

If no, please tell us how we could provide further explanation

Q3 Do you have any particular concerns or queries on the Proposed Development?

Q4 Is there anything specific you would like to raise in relation to the project which will impact on the planning process to deliver this essential network upgrade at Crarae substation?



Do you have any other comments / support on the Proposed Development?

Full name

Address

Telephone

Email

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

If you would like your comments to remain anonymous 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: Scottish Hydro Electric Transmission, Inveralmond House, 200 Dunkeld Road, Perth, PH1 3AQ

Email: Caitlin.Quinn@sse.com



Your Feedback - Craig Murrail Substation PAN

If you prefer, the same form is available to complete online and can be found on the project webpage: www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations/
Please complete in **BLOCK CAPITALS**. (Please tick one box per question only).

Q1 Do you feel sufficient information has been provided to enable you to understand what is being proposed on site and why?

Yes No If no, please tell us how we could provide further explanation

Q2 Are you satisfied that the proposed layout and design is appropriate for the site location?

Yes No If no, please tell us how we could provide further explanation

Q3 Do you have any particular concerns or queries on the Proposed Development?

Q4 Is there anything specific you would like to raise in relation to the project which will impact on the planning process to deliver this essential network upgrade at Craig Murrail substation?



Do you have any other comments / support on the Proposed Development?

Full name

Address

Telephone

Email

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

If you would like your comments to remain anonymous 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: Scottish Hydro Electric Transmission, Inveralmond House, 200 Dunkeld Road, Perth, PH1 3AQ

Email: Caitlin.Quinn@sse.com



Your Feedback - Crossaig North Substation PAN

If you prefer, the same form is available to complete online and can be found on the project webpage: www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations/
Please complete in **BLOCK CAPITALS**. (Please tick one box per question only).

Q1 Do you feel sufficient information has been provided to enable you to understand what is being proposed on site and why?

Yes

No

If no, please tell us how we could provide further explanation

Q2 Are you satisfied that the proposed layout and design is appropriate for the site location?

Yes

No

If no, please tell us how we could provide further explanation

Q3 Do you have any particular concerns or queries on the Proposed Development?

Q4 Is there anything specific you would like to raise in relation to the project which will impact on the planning process to deliver this essential network upgrade at Crossaig North substation?



Do you have any other comments on the Proposed Development?

Full name

Address

Telephone

Email

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

If you would like your comments to remain anonymous 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: Scottish Hydro Electric Transmission, Inveralmond House, 200 Dunkeld Road, Perth, PH1 3AQ

Email: Caitlin.Quinn@sse.com



Your Feedback - Sheirdrim Windfarm Connection - Route Options Feedback Questions

Q1 Do you feel sufficient information has been provided to enable you to understand what is being proposed and why?

Yes

No

If no, please tell us how we could provide further explanation

Q2 Which of the three Options would you consider the best option for SSEN Transmission to develop? Please provide an explanation of your answer.

Q3 Which of the three Options would you consider the least preferable option for SSEN Transmission to develop? Please provide an explanation of your answer.

Q4 Are there any potential risks or benefits associated with Sheirdrim Windfarm Connection, that you believe have not been included in the Consultation Document?



Do you have any other comments / support on the Proposed Development?

Full name

Address

Telephone

Email

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

If you would like your comments to remain anonymous 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: Scottish Hydro Electric Transmission, Inveralmond House, 200 Dunkeld Road, Perth, PH1 3AQ

Email: Caitlin.Quinn@sse.com

The feedback forms and all information provided in this booklet can also be downloaded from the dedicated websites:

<https://www.ssen-transmission.co.uk/projects/argyll-and-kintyre-275kv-substations>

<https://www.ssen-transmission.co.uk/projects/sheirdrim-wind-farm-connection>

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.

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