



Your feedback is so important to us, so today we will be using Sli.do to capture live feedback throughout the event.



Go to: **www.slido.com**
Use Event Code: **#ICP19**

Wi-Fi Name: BW Public Wifi
Wi-Fi Password: freewifi



Later in the presentation you will have a chance to vote and share your opinions.

ICP/IDNO Engagement Event and Competition in Connections Forum

20 March 2019



Scottish & Southern
Electricity Networks

Safety Moment

sse | SHE
SHE Bulletin
Safety Family

Issue 511 – 11 March 2019

The key message for discussion at team briefs this week:

Handbrake. In Gear. Turn Wheel

We have had some more occasions involving runaway vehicles that have fearfully not resulted in injury. A runaway vehicle presents a serious risk from injury or fatality to vehicle damage. Handbrakes are designed to be fully applied when the vehicle is stationary. Applying the handbrake fully engages the rear brake discs (on most vehicles) and should, but not always, prevent the vehicle from moving. However, handbrakes are not fail safe.

- 1. Always apply the handbrake.
- 2. Don't forget to engage the handbrake.
- 3. Always check the handbrake is fully engaged.

To take care of ourselves and each other, at SSE we should all apply H.L.T. when driving. When stationary remember to always fully engage the handbrake. As a secondary measure, leaving a parked vehicle in gear is good practice to prevent a vehicle travelling in an uncontrolled manner.

ALWAYS leave the vehicle in gear

Facing downhill – REVERSE
Facing uphill – FIRST GEAR
Automatic - PARK



Contract Partners was working to concrete slab which formed the investigation is ongoing.

able steps to identify buried not sure, stop and review

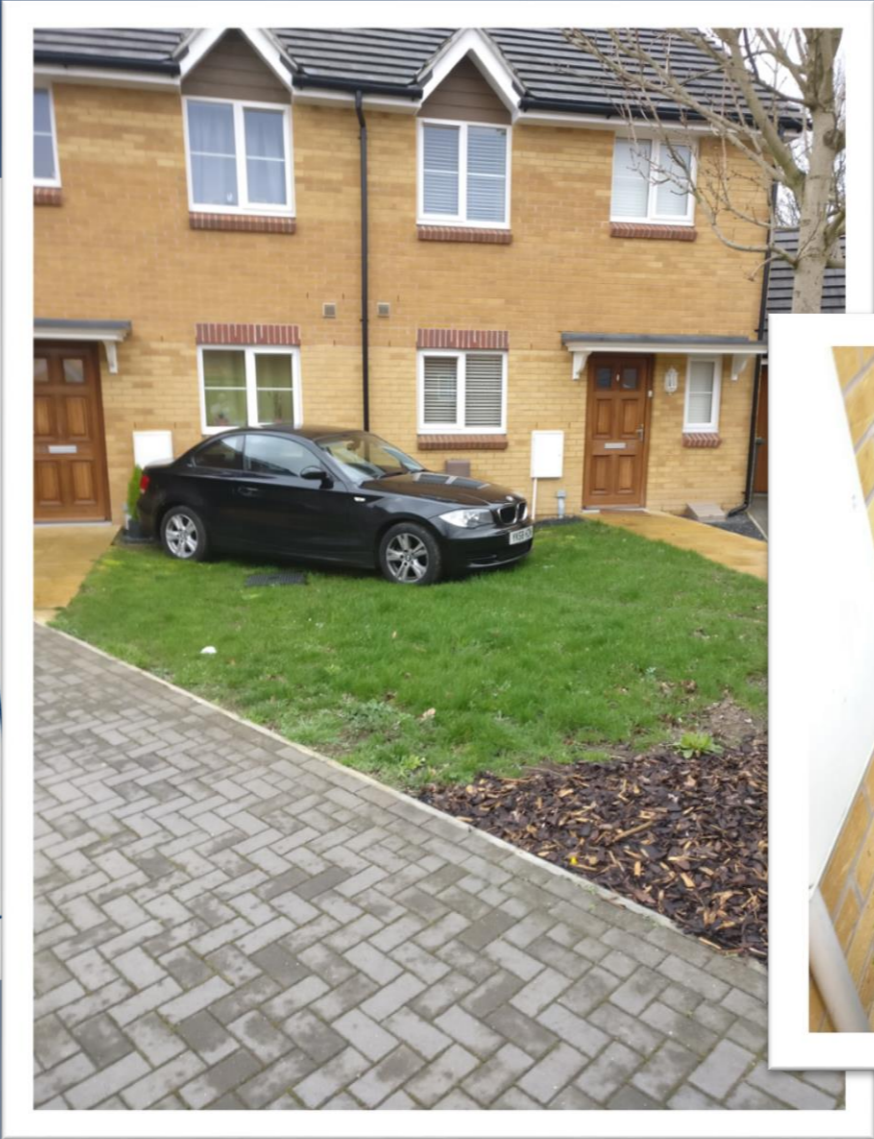
to cancer?

will get to your car.

old

over 50

aged with 10-20 years



Agenda

Time	Activity
10:00am	Introduction and Agenda
10:05am	Incentive on Connections Engagement (ICE) Update
10:15am	Connections Offer Expenses and GIS Update
10:30am	SSEN Website Update
10:45am	Comfort Break
11:00am	Breakout Tables: Q&A Opportunity (Approx. 30 mins each) <ul style="list-style-type: none">• EV Connections and Heat Pumps• Earthing Requirements, Jointing Instructions and Approved Equipment• Connection Applications via the Online Portal• POC Self Determination Process
12:30pm	Wrap Up followed by networking lunch
13:15pm	ICP/IDNO – Competition in Connections Forum
15:00pm	Close

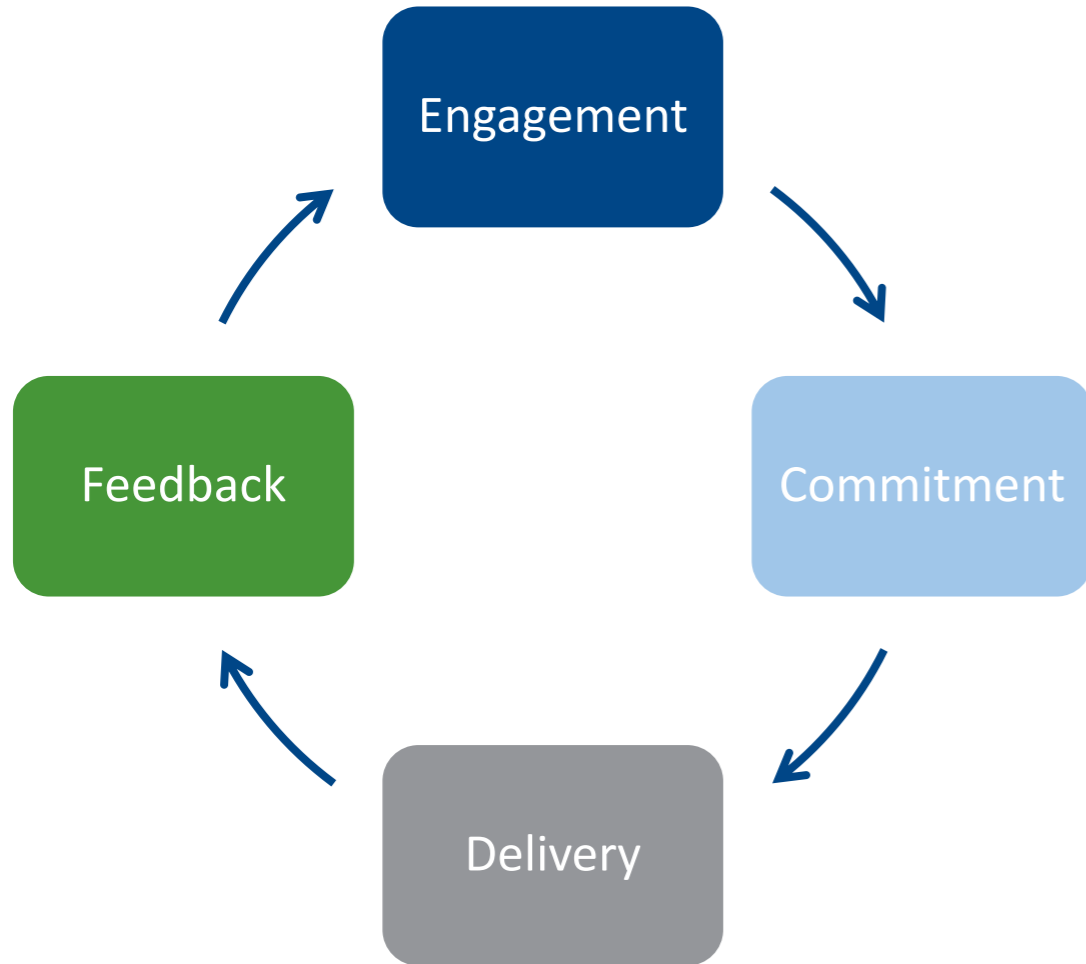
Incentive on Connections Engagement (ICE) Update

Neal Hills – ICE Manager



Scottish & Southern
Electricity Networks

Our Approach



Engagement

Speaking directly with customers/stakeholders and listening to their views and opinions.

Commitment

Making commitments to our customers/stakeholders to meet their expectations.

Delivery

Using a continuous improvement process to maintain a high standard of delivery.

Feedback

Acting on feedback to improve our customer/stakeholder journeys.

Delivered Commitments (Looking Back)

- Facility for customers to feedback on network design policy changes
- Contact Guide & Escalation Guide on Website
- Site Readiness Guides for Small & Larger sites
- Improve our online application process for mixed generation/demand sites
- Connections Application – New online portal for ICP's
- EV Guide

In Development (Looking Forward)

- Enhanced tracking information for online applications
- Information on capacity of network assets – Heat Maps
- Target improvement in time to quote

This years ICE Commitments will be ready early April/May

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Visit us at
www.ssen.co.uk

View our events calendar on the SSEN: www.ssen.co.uk/stakeholderevent/basicsearch



Connections Offer Expenses and GIS Update

Traci Kidd – Regional Connections Delivery Manager (South Caledonia)



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Electricity Networks

Connection Offer Expenses

- **The Electricity (Connection Offer Expense) Regulations 2018**

- BEIS introduced these new regulations in April 2018. This allows DNOs to charge customers a fee for their Connection Offer, regardless of whether they accept their offer
- BEIS intention was for a fairer allocation of costs:
 - Prior to these new regulations – Only those customers who accepted their Connection Offer paid an Assessment & Design (A&D) Fee
 - Since the introduction of these new regulations – DNOs are allowed to charge all customers who apply for a Connection Offer

- **What are Connection Offer Expenses**

- The expenses incurred in reviewing applications; assessing the network; designing the connection; and preparing the Connection Offer
- Formerly known as Assessment and Design (A&D) fees

Connection Offer Expenses

Who does it apply to?

- Connection Offer Expense fees apply to **Generation** jobs >50kW which require works at HV, and any capacity for jobs which require works at EHV and 132kV
- This was rolled out in on 16th April 2018
- Connection Offer Expense fees apply to **Demand** jobs >250kVA which require works at HV, and any capacity for jobs which require works at EHV and 132kV
- This was rolled out on 14th November 2018
- Our Connection Offer Expenses Customer Guide is available on our website at www.ssen.co.uk/connections/ConnectionOfferExpenses/

How does it work?

- We inform the customer at application stage that they may have to pay Connection Offer Expenses
- There is a 14 calendar day cooling off period to cancel without charge
- A Connection Offer Expenses invoice is issued shortly after the Connection Offer
- The customer will then have 30 days to pay the Connection Offer Expenses charge
- If the customer wants to accept their quotation – they pay the full Connection Offer amount which includes the Connection Offer Expenses
- If the customer does not want to accept – they must pay the Connection Offer Expenses charge
- We don't charge minor connections customers
- Minor change (variation) does not incur a further charge. A customer driven major change incurs a further charge
- Non payment of Connection Offer Expenses will be pursued through our normal debt recovery process
- Customers continue to have the right under Section 23 of the Electricity Act to refer complaints to the Authority

Update on GIS

You will be aware that the GIS project being undertaken by the Networks business has slipped beyond its original due date - with delivery now due during the summer of 2019 - (End July – End Aug subject to successful acceptance testing).

The business have encountered a number of issues which had been expected and maybe considered a feature of project delivery when working at this scale. However data migration issues have hampered progress and continue to create issues for us. You may also be aware that the previously agreed engagement days (with yourselves the ICP's) had to be rescheduled which has been now been done. We look forward to hosting to those who have responded.

The business will keep you informed should there be any changes to our current plans.

Comfort Break



Scottish & Southern
Electricity Networks

Proposed website navigation

Rebecca Lees



Scottish & Southern
Electricity Networks

What you said last year...

High priority areas

- EV applications
- 'ICP' connections; PoC
- Competition in Connections information
- Connection Offer Expenses
- Land consents
- Network information
 - GIS
 - Heat map
 - G81 documents – specifications & policies
- Contacts
- Events/stakeholder engagement
- MPANs
- 'My projects' – project specific documentation

Average score: 6.7 / 10

“Information presentation, searching and structure needs work”

“better signposting i.e. 'developer, ICP areas' ”

Services vs Information



Power cuts

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Projects

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Connection services

Domestic Connections
Commercial Connections
Unmetered connections
Generation & storage connections
EV connection
Move or change your supply

Connections information

Contact Connections
Competition in Connections
Generation & Storage information
Network Information
Stakeholder Engagement
Legal consents & agreements
Performance, standards & Charges
*useful information
Site map

Get started

Not sure what
you need?

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Know what you need? Get started on our online portal

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Connection Services

New Connections
Connect a small domestic dwelling, EV charging point, a housing estate, small business, large commercial development or new generation or storage. [apply](#)

Changing or moving your supply
Move your meter, upgrade or reduce your supply, disconnect, alter or divert our equipment [apply](#)

Did you know you have a choice? [Find out more](#)

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Connections Information

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Need to speak to us? Get in touch here

Competition in Connections
Did you know you have a choice? Find more information for customers and ICPs/IDNOs here

Connections Process*
Find out more about getting connected and **MPANs**

Network Information
Use our heat maps, GIS, Long Term Development Statements or Technical library

Stakeholder engagement
See our Incentive on Connections Engagement commitments and updates, events and newsletters

Legal consents & Agreements
Find process information for obtaining land consents & template contract agreements

Performance, Standards & charges
See our Guaranteed Standards of Performance, pricing tools, **Connection Offer Expenses**, Charging methodology and Quotation accuracy scheme

Generation & Storage
Find guidance for applying for and connecting energy storage and generation here.

Looking to apply

Local Authority/ workplace EV charging

Get Connected

Apply online
Know what you need? Get started on our online portal

Not sure what you need?
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New connections

[Apply online](#)

Know what you need? Get started on our online portal

[Not sure what you need?](#)

Let us help you

Domestic connections

Electric vehicle charging point and new properties

Connect a domestic EV charging point, connect a small domestic or commercial dwelling, or up to 4 properties

[Apply](#)

Connect 5 or more properties

If you are a builder looking to connect a small housing development (i.e. up to 5 properties) or small commercial property, apply here.

[Apply](#)

Did you know you have a choice?
[Find out more](#)

New connections *(homepage scrolled down)*

Electric Vehicle Connections

Connect a workplace charging point

Looking to install a charger or number of chargers at your work place? Get in touch to discuss your requirements or apply here

[Apply](#)

Connect workplace/'on-street' charging points

Looking to install a public charging point, or a number of public charging points? Get in touch to discuss your requirements or apply here

[Apply](#)

Metered Commercial or Industrial Connections

Single connection <69kVA

Looking to connect a single phase or three phase Supply for non-domestic purposes?

[Apply](#)

Single or Multiple connections >69kVA

Looking to connect a one-off commercial supply or multiple supplies of any size?

[Apply](#)



New connections

(homepage scrolled down)

Distributed Energy Resource Connections

Apply for G59/G99 connection

Looking to connect a large or commercial generator to our network?

Apply

Apply for G83/G99

Looking to connect a small scale or domestic generator?

Apply

Flexible connections

Connecting 'flexibly' could allow you to connect quicker and cheaper than a 'traditional' connection.

Apply

Apply to connect Storage

Looking to connect storage to our network?

Apply

Unmetered Connections

Self-quote service

Online self quoting facility for unmetered asset owners such as Local Authorities, PFIs and Parish Councils for standard highway works.

Apply

Apply online for an unmetered connection

Connect an unmetered asset, transfer supply for an existing unmetered asset, or a disconnect supply to an unmetered asset

Apply

New connections – new workplace Electric Vehicle (EV) connection

Considering workplace Electric Vehicle (EV) charging?

We recommend speaking to an electrician/installer to see if your site load and wiring is sufficient to support a charging point, or if you need to apply for an upgrade or new connection. Read our guide to find out more.

Your new EV charging point Guide

Not sure which charging point you need? Want to find out more before you make your choice?

[Find out more](#)

Connect work place chargers

If your existing site capacity is not sufficient to support the EV charging points, apply for a supply upgrade or new connection here

[Apply](#)

Contact us

We can talk you through your options based on where you want to connect an EV charging point.

[Contact us](#)

Connect a 'fast' EV charging point

Install a 1-3 fast chargers (7kW) on a single phase service or a fast charger (22kW) on a three phase service

[Apply](#)

Connect a 'rapid' EV charging point

Install a new rapid (50kW) charging point.

[Apply](#)

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ICP connections

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Single connection <69kVA

Looking to connect a single phase or three phase Supply for non-domestic purposes?

Apply

Single or Multiple connections >69kVA

Looking to connect a one-off commercial supply or multiple supplies of any size?

Apply



New connections – Single or Multiple connections >69kVA

Looking to connect a new housing estate, commercial or industrial development? Get started and apply below.

New single or multiple connections >69kVA

Install a new single or multiple connections >69kVA

[Apply](#)

**Not sure
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Process

Connections Useful Information

Find information on the process, land consents, charges and Guaranteed Standards of Performance

[Find out more](#)

Competition in Connections

Did you know you have a choice? Find out more about your options

[Find out more](#)

Downloads

Don't want to apply online? Download the forms below and return to connectionapplications@sse.com

- Form 1
- Form 2

New Connection – Single or Multiple connections >69kVA

Please log into your account

Email Address *

Password *

[Sign in](#)

[Forgotten your details?](#)

Need some help?



Call us on:
0800 048 3516



Email us at:
connections@ssen.co.uk

Download the
'You have a choice'
factsheet



Trouble Logging In?

If you have not logged in to this web login account for 2 years it will have been automatically deactivated and you will need to re-register.

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Need to speak to us? Get in touch here

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Find guidance for applying for and connecting energy storage and generation here.

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[Find out more](#)

*Connections Process

Find out more about getting connected and MPANs

[Find out more](#)

Competition in Connections

Did you know you have a choice? You can choose who you would like to carry out your connection. Find out more about your options, independent connection providers (ICP) and how to find them in your area.

You have a choice

Find out about what activities other connection providers can do

[Find out more](#)

What is an ICP & IDNO?

Find out about independent Connection Providers and Distribution Network

Operators [Find out more](#)

How do I find an ICP or IDNO?

Find an Independent Connection Providers and Distribution Network

Operators [Find out more](#)

Information for ICPs/IDNOs

Apply for a Point of Connection, find out more about our contestable activities, safety rules and authorisations, links to the Competition in Connections Code of Practice and how to register as an ICP in our area.

Apply for a PoC

Get started and apply for a PoC on our online portal

[Apply](#)

Contestable activities

Find out about our contestable activities including; PoC Self – determination, Self-design approval, self-connect and part funded reinforcement.

[Find out more](#)

Safety rules & authorisations

Find out more about our processes for Options 1 -3 under the Code of Practice authorisations and safety rules

[Find out more](#)

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Competition in Connections *(scrolled down)*

Competition in Connections Code of Practice

Read more about the code of practice
or [governance](#).

[Click here](#)

Code of Practice Reports

Download our annual reports against
the Code of Practice

[Find out more](#)

Register as an ICP/IDNO in our areas

Register today to add your organisation
to our list of accredited ICPs operating in
our licence areas

[Register](#)

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Connection Offer Expenses

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Find out more



Performance, Standards & charges

Find out more about how we charge for connections, our charges for assessment and design work required to produce a quote for certain connections (Connection Offer Expenses), our cost estimator for an indicative price, and the standard of performance we work to for our customers.

Guaranteed Standards of Performance

Find our guaranteed standards for customer contact, time to connect and time to quote.

[Click here](#)

Guide prices/ cost estimator

Use our cost estimator for a no-obligation indicative price for your request (conditions apply)

[Click here](#)

Quotation Accuracy scheme

The Quotation Accuracy Scheme (QAS) allows you to challenge the accuracy of the connection charge for certain scheme types.

[Click here](#)

Connection Offer Expenses

Find out more about our policy and which types of connections we apply Connection Offer Expenses to.

[Click here](#)

Common Connections Charging Methodology

Access our Connection Charging Methodology which describes how we develop our costs for connections.

[Click here](#)

Electricity Connection Charges Regulation

Read the updated 'second comer' regulations updated in 2017

[Click here](#)

Land rights

Get Connected

Apply online

Know what you need? Get started on our online portal

Not sure what you need?

Let us help you

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Find out more

*Connections Process

Find out more about getting connected and MPANs

Find out more



Legal consents & agreements

Find out more about what legal consents are, why they are needed, the process to secure them and downloadable guidance and contacts.

Process flow charts

Find out the process, our responsibilities and yours in securing land consents

[Find out more](#)

Information for ICPs and IDNOs

Find process information, requirements and documents for ICPs and IDNOs when securing land consents

[Find out more](#)

Central southern wayleave guide

[Find out more](#)

Northern Scotland wayleave guide

[Find out more](#)

**Not sure
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you**

What are they?

They are the rights we require to install and maintain our equipment on privately owned land, and usually take the form of a wayleave agreement (a licence) or an easement (a deed) for cabling and poles. For substation equipment land rights usually take the form of a transfer or lease.



Legal consents & agreements (*scrolled down*)

Why do we need them?

We need land rights to install and thereafter use, maintain and renew our equipment on privately owned land. All land rights must be in place before we install and energise a connection to our network.

We don't need land consents when an Independent Connection Provider (ICP) installs equipment in a public highway or in land laid out to form part of a public highway.

What other consents are needed?

We are sometimes required to obtain other permissions in order to comply with legislation relating to sites of special environmental or historical interest and/or where we are building new overhead lines or substations. For example we may need consents from local planning authorities such as Natural England, Historic England and/or the Environment Agency. We may also need consent from the Department for Business, Energy and Industrial Strategy or the Planning Inspectorate for building new or modifying existing overhead lines.

All permission and statutory consents must be in place before we will install and energise a new connection to our network.

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you're
looking
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Let us help
you**



Legal consents & agreements *(scrolled down)*

Downloads (SEPD and SHEPD)

Easements

- SEPD deed of easement-cables and overhead lines
- SEPD deed of easement – cables
- SEPD deed of easement – overhead lines

Leases

- SEPD – substation underlease (internal demise)
- SEPD – substation lease
- SEPD – substation lease (internal demise)
- SEPD – Substation underlease

Etc

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Network information

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Competition in Connections

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Find out more about getting connected and MPANs

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Network Information

Take a look at information about our network, including maps indicating capacity availability, where our assets are located (GIS), plans to develop our network and technical specifications.

Generation availability map

Find out where our network has capacity available for new generation connections

[Click here](#)

GIS

Use our GIS tool to locate our network assets. Please note you will need to log in to our secure area and then again to access our GIS

[Log in](#)

Demand heat map

Find out where our network has capacity available for new demand connections

[Click here](#)

Access our network loading and rating information & HV schematics

[Click here](#)

G81 Library

Log on to access technical specifications and standards

[Click here](#)

Long Term Development Statement

Access technical specifications and standards

[Click here](#)

Generation Availability Map



Contact us

 Central Southern England
0345 078 6770

 Northern Scotland
0345 072 4318

Heat Map

[➤ User Guide](#)

Your thoughts...

Statement of Works / Appendix G

- Heat maps
 - Works description
 - Timescales
 - At GSP/BSP level

→ ↻ 🏠 | 🔒 ssep.co.uk/GenerationAvailabilityMap/?mapareaid=2

	Boat of Garten	Constrained	Constrained	132 / 33	▼
	Braco	Transmission Status: Unconstrained	Distribution Status: Unconstrained	Voltage (kV): 132 / 33	▼
	Bridge of Dun	Transmission Status: Constrained	Distribution Status: Constrained	Voltage (kV): 132 / 33	▲

Grid Supply Point (GSP) information in detail

Location (Lat, Long): 56.720172, -2.556965
Minimum Load (MW): 10.40
Maximum Load (MW): 30.40
Contracted Generation (MVA): 37.83

Fault Level (kA): 31.50
Transformer Nameplate Rating (MVA): 60.00
Reverse Powerflow Capacity (%):
Consortia Count: 0

Transmission Works:
 Extend Fetteresso 275/132kV substation to include a second 275/132kV transformer and 132kV and 275kV busbar and construct a 10km 132kV double circuit wood pole line to connect to the existing Fiddes Substation
Transmission Reinforcement Completion Date: Oct 20

Distribution Works: Currently Under Review
Distribution Reinforcement Completion Date: TBC

Contracted Generators
▼

Quoted Generators
▼

Contact Information

Contact: Mark Westwood
Title: Commercial Contracts Manager
Email: mark.westwood@sse.com
Tel: 01738 516578

View on Map

Register

Register for consortia

If you are interested in exploring the potential to set up a consortium to enable developers to share the cost of reinforcement, please register

	Brechin	Transmission Status: Constrained	Distribution Status: Constrained	Voltage (kV): 33 / 11	▼
	Bridge of Dun	Transmission Status: Constrained	Distribution Status: Constrained	Voltage (kV): 33 / 11	▼
	Glaxo	Transmission Status: Constrained	Distribution Status: Constrained	Voltage (kV): 33 / 11	▼

Your thoughts...

Statement of Works / Appendix G

- Connections information
 - Process

Statement of Works Process

When you accept your Connection Offer, you will also need to pay for the Statement of Works to be carried out. Once we receive your payment, we will submit information (exhibit 'U') to the TSO. The TSO then determines if the application is competent. If competent, the TSO carries out their studies and provides their response within 3 months. Where works are required to facilitate your connection, we will review the technical requirements, and where necessary issue a variation to your initial Connection Offer.

This will detail a transmission access date, any identified technical requirements (i.e. intertrip/flexible connection) and include your security and liability statement. To progress, you must accept the variation within 30 working days. You may also need to provide security payments and accept liabilities against the works that your project has triggered on the transmission network.

[↓ Scottish and Southern Electricity Networks SHEPD Statement of Works Process](#)

[↓ Scottish and Southern Electricity Networks SEPD Statement of Works Process](#)

The statement of works process has inherent time delays and risks for customers. Following customer feedback, we worked with other DNOs and the TSO to develop a streamlined process; 'Appendix G'. This trial is now available at a number of our Grid Supply Points



Appendix G Process

Appendix G Process

At certain Grid Supply Points (GSPs) we are trialling the Appendix G process with the TSO. As part of this process, we provide a list (or 'Appendix G') of all generators already connected or contracted to connect to a specific GSP, including size and type. In return, the TSO provides the maximum available 'headroom' at GSPs. We update Appendix G monthly so that the TSO can regularly assess the remaining headroom.

If your connection is via a GSP in the trial, we will include a transmission access date, any identified technical requirements (i.e. intertrip/flexible connection) and any security and liabilities you may be liable for, in your Connection Offer.

Once you have accepted, we will submit your scheme as part of our monthly update and share the outcome.

Modification Application

If the number of accepted connections exceeds the available headroom, we will submit a 'Modification Application' to the TSO to identify if any works are required. Customers who trigger this process will be required to fund the TSO's fee for undertaking their assessments.

Large Distributed Generation

If you are looking to generate 10MW or more in SHEPD's area, 50MW or more in SEPD's area, then you will need to apply to the TSO for a BELLA (Bilateral Embedded Licence Exemptible Large Power Station Agreement) or a BEGA (Bilateral Embedded Generation Agreement).

Need help applying? Read our guide for our SHEPD area.

[↓ Scottish and Southern Electricity Networks SHEPD 10MW or above process guide](#)

More Information

For the most up-to-date picture and a full background on Transmission Network plans you can also look at the National Grid website and in particular their [Transmission 10 year statement](#).

For an overview of our Distribution Network plans you can also look at our [long term development statements](#) - where you will be able to find a summarised version and also details of how to obtain a full copy.

For more information on capacity, work with Active Network Management solutions and the Low Carbon Network Fund take a look [here](#) or speak to one of our [Active Solutions Team members](#).

Get Connected

Apply online

Know what you need? Get started on our online portal

Not sure what you need?

Let us help you

Connection Services

New Connections

Connect a small domestic dwelling, EV charging point, a whole domestic housing estate, a small business, large commercial development or new generation or storage.

Apply

Changing or moving your supply

Move your meter, upgrade or reduce your supply, disconnect, alter or divert our equipment

Apply

Get Connected *(homepage scrolled down)*

Connections Information

Contact Connections

Need to speak to us? Get in touch here

[Contact](#)

Competition in Connections

Did you know you have a choice? Find more information for customers and ICPs/IDNOs here

[Find out more](#)

Generation & Storage

Find guidance for applying for and connecting energy storage and generation here.

[Find out more](#)

Network Information

Use our heat maps, GIS, Long Term Development Statements or Technical library

[Find out more](#)

Stakeholder engagement

See our Incentive on Connections Engagement commitments and updates, events and newsletters

[Find out more](#)

Legal consents & Agreements

Find process information for obtaining land consents & template contract agreements

[Find out more](#)

Performance, Standards & charges

See our Guaranteed Standards of Performance, pricing tools, Connection Offer Expenses, Charging methodology and Quotation accuracy scheme

[Find out more](#)

*Connections Process

Find out more about getting connected and MPANs

[Find out more](#)

Stakeholder engagement

Find out more about how we engage with customers and stakeholders across SSEN, how to get involved and have your say in shaping our business.

Events

Find out more about our upcoming events, register to attend or download presentations from past events

[Find out more](#)

Register to get involved

Opt-in to receive updates, event invites and options to provide feedback via interview or survey

[register](#)

Engagement with our distribution business

Our Advisory Panels

[Find out more](#)

Connections engagement

Find our Incentive on Connections Engagement work plans, publications and newsletters

[Find out more](#)

Contact, events, MPANs

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Your thoughts...

We want our website to reflect your needs



How satisfied are you with the SoW/ Appendix G information we include in our heat maps?

1 2 3 4 5 6 7 8 9 10



How satisfied are you with our new proposed structure/navigation?

1 2 3 4 5 6 7 8 9 10

Comfort/Refreshment break

Followed by:

Breakout sessions:

- EV connections and Heat Pumps
- Earthing Requirements, Jointing Instructions and Approved Equipment
- Connection applications online portal
- POC Self Determination process