

# Getting Your Fleet Connected



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# Targets and Challenges – The Net Zero Ambition



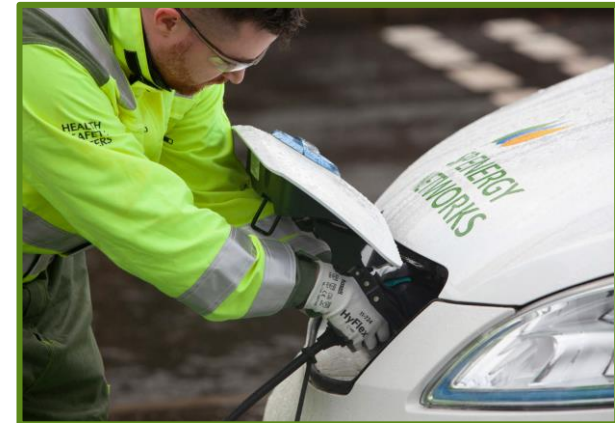
SP Energy Networks as the licensed Distribution Network Operator (DNO) are responsible for **maintaining and improving** a lot of Scotland's electricity distribution network and are at the heart of this step change.



As we are fast approaching the Government's target of **Net Zero**, we know that the **decarbonisation of the transport** sector will be a critical part of that journey



We seek to work closely with EV fleet operators of all kind to be an enabler for their transition and overcome the challenges that this vast increase in demand places on our electricity network. Ensuring a safe and secure supply for all of our customers.






# Supporting Scotland's Net Zero Ambition



**Transport:  
18 projects**

**Key Priority of the Fund:** Supporting the uptake and infrastructure provision of electric vehicles.

**Some examples:**

-  **Stagecoach** - introduced 6 EV buses with mix of opportunity charger at bus station/depot charging
-  **Community Transport Glasgow** - introduced 13 new EV mini buses, mix of depot/utilising on street chargers
-  **Dumfries & Galloway Council** – introduced 2 EV bin lorries, depot charging




# Connecting your EV Fleet Guide



**GETTING IN TOUCH**

It is always advisable to get in touch with your DNO as early in the process as possible to discuss your requirements prior to you submitting a connection application. Details of how to contact our Connections team are detailed below:

	
 Website: <a href="https://www.spenergynetworks.co.uk/pages/new_connections.aspx">spenergynetworks.co.uk/pages/new_connections.aspx</a>	 Website: <a href="https://www.ssen.co.uk/connectionsinformation/contact/">ssen.co.uk/connectionsinformation/contact/</a>
 e-mail: <a href="mailto:gettingconnected@scottishpower.com">gettingconnected@scottishpower.com</a>	 e-mail: <a href="mailto:connections@ssen.co.uk">connections@ssen.co.uk</a>
 Telephone: 0845 270 0785 (Central and Southern Scotland)	 Telephone: 0800 048 3516 (Scotland)
	 Account Managers: <a href="mailto:commercial.contracts@sse.com">commercial.contracts@sse.com</a>

<https://www.spenergynetworks.co.uk/userfiles/file/Connecting%20your%20EV%20fleet%20-%20final.pdf>



# How to Get Connected

Things you can do before contacting us to help with connection



Understand your demand profile



Optimising your whole site connection



Calculating your fleet charging requirements



Understand if existing connection is sufficient



OR



Contact SPEN for upgrade

Utilise existing connection only



How we can then help

Pre-application Meetings / Surgeries



Applying for a New or Upgraded Connection



- Budget Estimate
- Feasibility Study
- Optioneering
- Formal Offer
- Choice of delivery partner

Designing your Connection



Delivering your Connection



## Example Case Studies - Non Flexible Large Connection

Large connection - 5MVA demanded

33000V substation

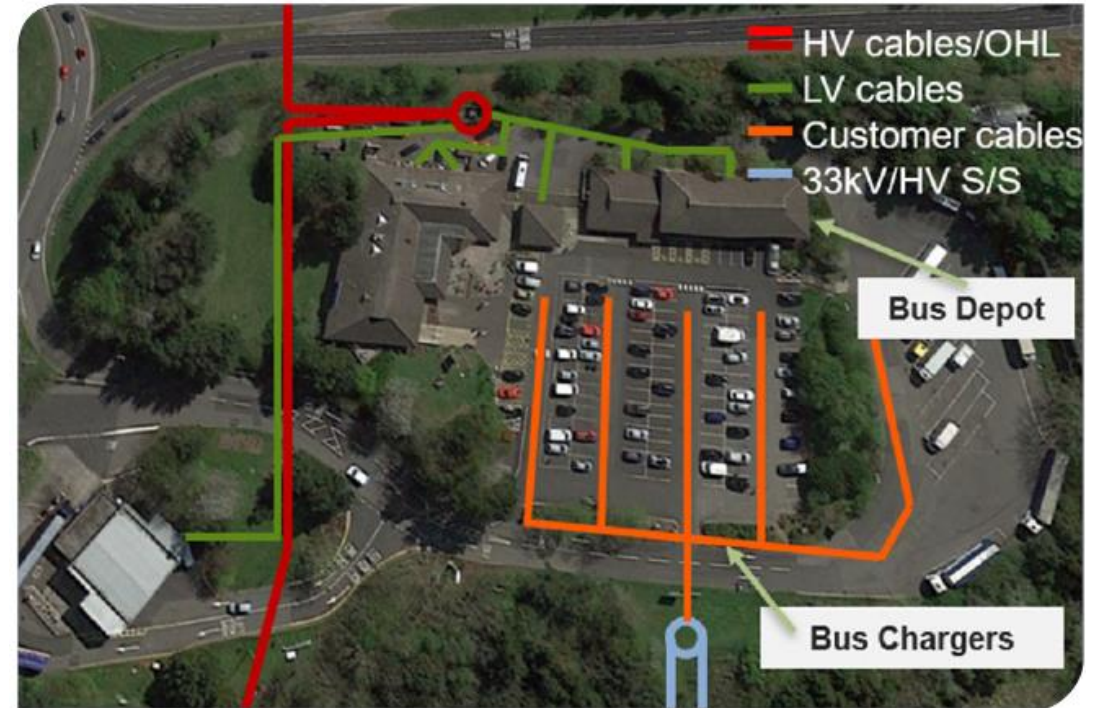
100 x 50KW or 50 chargers of 100kW

no constraints

chargers - agreed maximum capacity of 5MVA at any time

estimated cost for this work is £3,000,000 - £5,000,000.

Delivery time 18-24 months.



## Example Case Studies – Flexible Large Connection

flexible connection- 2.5MVA

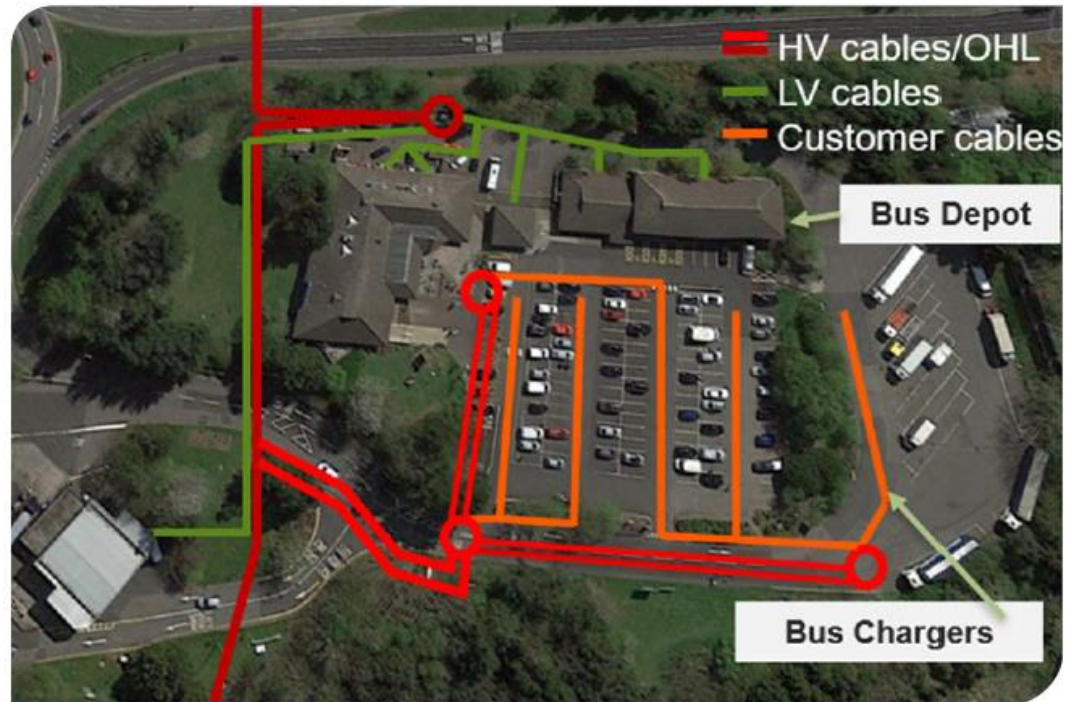
3 dedicated HV/LV substations connected to DNO 11kV network

Connection agreement between you and the DNO

0.5MVA at any time and 2.5MVA during the off-peak hours of 23:00-06:00.

The estimated cost for this work is £200,000- £500,000

Delivery construction time -three to seven months.





Website:  
[spenergynetworks.co.uk/pages/new\\_connections.aspx](http://spenergynetworks.co.uk/pages/new_connections.aspx)

e-mail:  
[gettingconnected@scottishpower.com](mailto:gettingconnected@scottishpower.com)

Telephone:  
0845 270 0785 (Central and Southern Scotland)

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