



# A guide for local government representatives

Helping you to get connected.

## Powering our region

At Northern Powergrid we manage the electricity network that powers the lives of more than 8 million people across 3.9 million homes and businesses in the North East, Yorkshire and northern Lincolnshire.

We have an important role to play in enabling the UK's net zero ambitions by facilitating the significant number of new connections for EV charging infrastructure, high efficiency electrical heating and renewable generation that's needed to support the low carbon transition in our region.

Local Authorities (LAs) and Local Enterprise Partnerships (LEPs) are also on the front line in the drive towards decarbonisation and we're working hard to support them with strategic partnerships, practical support and 'on the ground' technical advice.

We've produced a simple guide that signposts the help and resources available to anyone seeking a connection to our network.



**8 million**

People served



**3.9m**

Homes and businesses



**15,500**

New connections each year

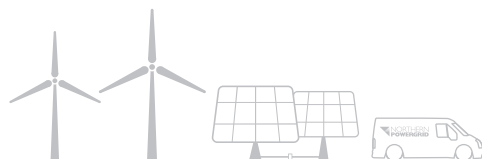


**£1m**

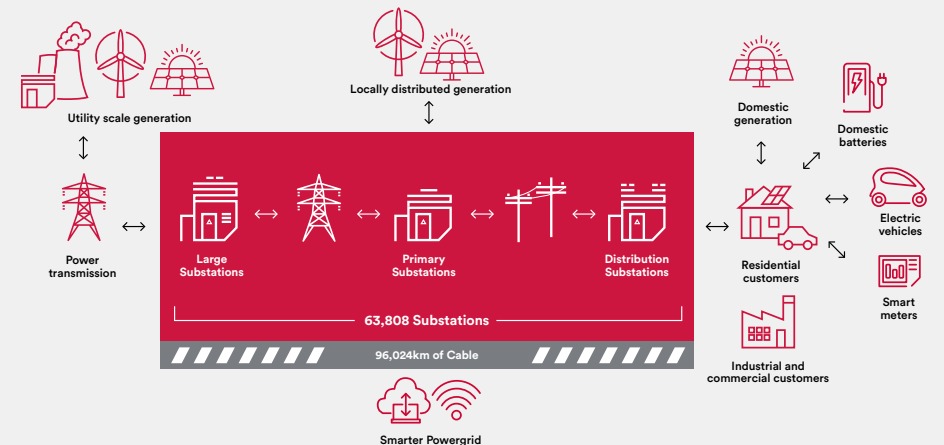
Invested every day

As our region's Distribution Network Operator, connecting people safely to the electricity network is one of the most important jobs we do.

If you have any feedback on what we've produced or would like to discuss how we can support you further when seeking a connection to our network, email [yourpowergrid@northernpowergrid.com](mailto:yourpowergrid@northernpowergrid.com)



### Where we fit in the industry



## Online Resources



### Get Connected

Whether you need to apply for a new connection, make changes to an existing one or just want to find out more about the services we provide, visit:

✉ [northernpowergrid.com/get-connected](https://northernpowergrid.com/get-connected)

You'll also find a useful guide prices section with typical costs and timescales for different types of connections that can help you plan and budget for your next project:

✉ [northernpowergrid.com/guide-prices-and-timescales](https://northernpowergrid.com/guide-prices-and-timescales)



### Network Availability Heat Maps

Our network availability heat maps can help you make more informed decisions about where to connect to our Extra High Voltage (EHV) and High Voltage (HV) network.

✉ [northernpowergrid.com/generation-availability-map](https://northernpowergrid.com/generation-availability-map)

✉ [northernpowergrid.com/demand-availability-map](https://northernpowergrid.com/demand-availability-map)

Our generation heat map shows where there's capacity to connect large-scale generation like solar or wind farms using a green, amber, red (yes, maybe, no) indicator. The demand heat map uses the same simple traffic light system to show where there is a capacity for large-scale developments.

Our heat maps are accompanied by downloadable datasheets that provide a wealth of additional network data for users who want to perform their own upfront assessments and feasibility studies.

For help navigating our heat maps and understanding the information that's available contact:

✉ [npg.system.planning@northernpowergrid.com](mailto:npg.system.planning@northernpowergrid.com)



An area that is showing as red on our heat maps does not necessarily mean that there is no capacity to connect in that location, only that some additional reinforcement may be needed. We recommend you talk to our design and commercial engineers when considering locations for new EHV and HV connections as they can help you identify the most viable and cost-effective solutions.



### AutoDesign

Our innovative AutoDesign tool is helping Local Authorities accelerate the decarbonisation of transport in our region by helping them to identify the most viable locations for new EV charge points and other new Low Voltage (LV) connections. It gives connections customers the option to self-serve and create their own personalised, free of charge budget estimates in minutes, a process that could previously take up to 10 days.

✉ [northernpowergrid.com/auto-design](https://northernpowergrid.com/auto-design)



### Community Energy

Our online Community Energy hub provides practical guidance, support and networking opportunities for Community Energy groups and stakeholders in our region.

✉ [northernpowergrid.com/community-energy](https://northernpowergrid.com/community-energy)



### Distribution Future Energy Scenarios (DFES)

A low carbon economy, new technology, digitisation and changing customer needs are driving unprecedented change in the way energy is generated and used, bringing with it smarter, more flexible networks. We have a part to play in planning for the future and enabling a low carbon future that supports economic growth. As part of our Distribution Future Energy Scenarios we've created an interactive online data visualisation tool that uses geospatial maps to show how different influences can change electrical demand and generation on our network both now and in the future.

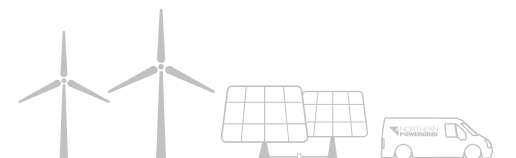
Visit the website to find out more and share any initiatives or projects you're working on that will impact on our underlying planning assumptions.

To use our DFES data visualisation tool visit:

✉ [odileeds.github.io/northern-powergrid](https://odileeds.github.io/northern-powergrid)

For help interpreting the information available, to discuss your plans and contribute to our DFES contact:

✉ [npg.system.planning@northernpowergrid.com](mailto:npg.system.planning@northernpowergrid.com)



## Practical support and advice



### Connections enquiries

For guide prices, timescales and help completing your application, call us:

**0800 011 3433**

Mon - Fri: 8am to 8pm  
Sat: 9am to 5pm



### Ask our Experts

You can always pick up the telephone and talk to one of our design team managers or commercial engineers outside our monthly surgery schedule. Contact details for all our experts, including the areas of our network they are responsible for are available on our website.

📄 [northernpowergrid.com/contact-our-connections-engineers](https://northernpowergrid.com/contact-our-connections-engineers)



### Connections surgeries

If you're thinking about a new connection, our monthly surgeries are a great opportunity to talk to our team about your upcoming project. Whether you want to explore your options before making an application or need upfront support or advice, no matter how complex your connections question, we'll make sure we have the right person on hand to help.

Connections surgeries are held once month and are currently being delivered via telephone or WebEx.

To book an appointment visit our website or email:

📄 [connectionssurgeries@northernpowergrid.com](mailto:connectionssurgeries@northernpowergrid.com)

📄 [northernpowergrid.com/customer-events-and-surgeries](https://northernpowergrid.com/customer-events-and-surgeries)



### Dedicated local government forums

Acting on feedback from our local government stakeholders we established a dedicated forum where we can come together to explore emerging issues and common challenges. Those attending have the opportunity to shape the agenda for these sessions and past events have focused on topics including electric vehicle charging and local area energy planning.

For more information on all upcoming Northern Powergrid events visit:

📄 [engage.northernpowergrid.com](https://engage.northernpowergrid.com)



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## Contact us

 0800 011 3433

 [getconnected@northernpowergrid.com](mailto:getconnected@northernpowergrid.com)

 [northernpowergrid.com/get-connected](http://northernpowergrid.com/get-connected)