

Helping us...



## ...to safeguard your electricity supply

### What you can expect from us and what we need from you:

You may not know who we are but we keep the lights on, the kettles boiling and the phones charged for 8 million people across the North East, Yorkshire and northern Lincolnshire.

Put simply, we make sure the electricity you buy from your energy supplier gets to you safely, whenever you need it. And, if your power ever gets interrupted, for whatever reason, be it extreme weather or emergency maintenance we'll be there immediately to fix it - giving 100% day and night, rain and shine, Sundays, Mondays and Christmas days.

We are Northern Powergrid, we live in your communities and we're proud to play an essential role in keeping the power flowing to all the homes and businesses we serve.

### Understanding more about protective multiple earthing (PME):

Earthing is equipment that is installed to protect the electric wires and components in your home or business from damage caused by sudden electrical power surges. The main purpose is to reduce the risk of dangerous electrical shocks from uninsulated metal parts of appliances. The equipment also prevents you from receiving electrical shocks in the event of a short circuit.

If your home or business does not already have an earth which is connected to our network you can apply to us to provide this. Our customers usually request this when upgrading the wiring in their home to comply with current wiring regulations.



### Find out more:

[www.northernpowergrid.com](http://www.northernpowergrid.com)

### Get in touch:

**24 hour emergency**

**POWER CUT?  
CALL 105**



North East  
**0800 668 877**  
Yorkshire  
**0800 375 675**

### General enquiries

**0800 011 3332**

### Connect with us:

 **@Northpowergrid**

 **/northernpowergrid**

 **@northernpowergrid**

### Caring for our community;

Need additional support?  
Call our Priority Services  
**0800 169 2996** (24 hours)

Earthing services we offer through our highly skilled contractors are:



### Type 1 - Protective Multiple Earthing (PME)

This is the most common form of earthing and it is provided at new connections. A single conductor is utilised for neutral and earth functions to provide an earth terminal at the service position. You will then need to arrange for an electrician to ensure your earthing meets the relevant requirements before connecting to this terminal. In some cases we are unable to provide PME facilities, either due to the nature of the distribution system or due to the type of installation itself.

### Type 2 - Cable Sheath/Continuous Earth Wire (SNE)

Cable sheath earthing and separate continuous earth wire arrangements are often found in older properties or where a PME network is not available. Separate conductors are utilised for neutral and earth functions to provide an earth terminal at the service position. You will then need to arrange for an electrician to ensure your earthing meets the relevant requirements before connecting to this terminal.

### Earthing services offered by your electrician

Direct earthing is not connected to our network so you need to arrange your own electrician to install TT Earthing this will include its own earth electrode system, protected by a residual current device (RCD). In older properties direct earthing is often provided by bonding the protective conductors to an incoming metal water pipe. Whilst a metal water pipe can act as a reasonable earthing system, it is likely that this will be replaced by plastic piping at some stage in the future. For this reason a separate dedicated earthing system should also be provided.

### Cost:

This service is free of charge for single property requests from domestic and small commercial customers. If you are a large commercial or industrial customer charges may apply.

### What to do next:

You can visit our website or give us a call and we will check if our network can facilitate a PME earth.

- If a PME earth is available you can pay by card and book a site visit.
- If we can complete the work at the site visit and it is convenient with you then we will, if we need a second visit to complete the works safely or if access is required to your neighbour's property, our Contractors will arrange a suitable date and time with you.
- It will be necessary to enter your premises and there will be an interruption to your electricity supply for approximately one hour.
- Once your new service fuse unit and earth terminal are fitted your electrician will need to ensure your earthing meets the relevant requirements within BS7671 before connecting to this terminal.



PME Earthing



SNE Earthing

Click [northernpowergrid.com](http://northernpowergrid.com) Call 0800 011 3332 Connect   

