

TYPES OF GENERATION PLANT

Whichever type of generation you are considering, your local planning authority will guide you on whether planning permission is required.

If you are considering the generation types below, then you may be able to connect under Section A G83/1-1. If not you should refer to Section B G59/2.

PHOTO-VOLTAIC CELLS (PV)

These use the sun to create electricity and will operate with daylight as well as direct sunlight. However greater light intensity results in a greater flow of electricity. They can also save carbon dioxide emissions as they are not dependent on a fossil fuel source. Generally PV cells require little maintenance.

MICRO HYDRO (MH)

You need to have a watercourse close to your location. The costs for building and maintaining hydro plant can be significant. A licence, from SEPA or the EA, may be required to ensure the ecology of the watercourse is maintained.

DOMESTIC COMBINED HEAT AND POWER (DCHP)

There are many different types of CHP with varying levels of complexity. You may need further advice to allow you to fully consider this option including fuel types, the impact of emissions and cost of maintenance.

FUEL CELLS (FC)

A fuel cell is a device which converts chemical energy into electricity. Combining a fuel (eg hydrogen) with oxygen in a battery-like principle, results in electricity and heat with few pollutants.

MICRO WIND

We will accept a small wind turbine that has an inverter that has been type tested to meet the requirements of G83/1-1. You should consider a site with no rooflines or trees that could disturb the wind-flow.

FOR FURTHER INFORMATION AND TO CONTACT US

www.ssepd.co.uk

Where the application is to connect a generator of 50kW or less:

Microgeneration Connections North

Scottish Hydro Electric Power Distribution
10 Henderson Road
Inverness
Highland
IV1 1SN
Tel: 01463 728067
Fax: 01463 728247
Email: north.microgen@sse.com

Microgeneration Connections South

Southern Electric Power Distribution
Off Bourne Valley Road
Branksome
Poole, Dorset
BH12 1YT
Tel: 01202 784835
Fax: 01202 784874
Email: south.microgen@sse.com

Where the application is to connect a generator over 50kW then contact our Major Connection Contracts Team:

Tel: 01738 456723
Fax: 01738 455211
Email: mcc@sse.com

You can find more information at the following websites:

www.2010.energynetworks.org
www.energysavingtrust.org.uk
www.decc.gov.uk

MY GENERATION

Information on types and connections of Distributed Generation to our networks.



REQUIREMENTS TO CONNECT

1 Are you considering one of the following types of generation?

- Photo-Voltaic
- Micro Hydro
- Domestic Combined Heat and Power
- Fuel Cells
- Micro Wind¹

2 Will the total output across all generating units be up to and including 16A (3.7kW) per phase?

3 Will you connect to our low voltage network, which is 230V single phase, 400V three phase or 460V split phase²?

If you can answer yes to all three questions you should follow Section A. If you answer no to any of the above then use Section B.

To be eligible for the Feed In Tariff Scheme, which operates up to 5 MW for certain generator types, your generator must be installed by an accredited person.

To find an accredited installer please contact The Microgeneration Certification Scheme. Either visit www.microgenerationcertification.org or call 0207 090 1082.

To claim your Feed In Tariff you need to contact your electricity supplier whose details you will find on your electricity bill.

SECTION A – G83/1-1 Applicants

Connecting a single generator under G83/1-1 Stage 1 Connection (single installation) you must:

- Use an accredited installer to ensure eligibility for the Feed In Tariff Scheme.
- Let your installer test and commission your generator.
- Your installer must ensure the commissioning document is received by us within 30 days of commissioning the generation plant.

Connecting more than one generator at a property or in a close geographic region (your full post code area), where all generators are individually G83/1-1 compliant, comes under G83/1-1 Stage 2 Connection (multiple / planned installation).

- Use an accredited installer to ensure eligibility for the Feed In Tariff Scheme.
- Your installer will submit an application form (G83/1-1 Appendix 2) to allow us to study any network issues as a result of your proposed multiple generation installation.
- We will check your application, if appropriate issue a quote and state when you can proceed with the installation, also outlining any additional precautions.
- Let your installer test and commission your generators.
- Your installer must ensure the commissioning document is received by us within 30 days of commissioning the generation plant.

SECTION B – G59/2 Applicants

A generating system up to and including 50kW but not covered by Section A, will follow the process below³.

- Use an accredited installer to ensure eligibility for the Feed In Tariff Scheme.
- Your installer will need to submit an application (G59/2 – Appendix 2) to allow us to study any network issues and can request either a budget estimate or a formal quotation.
- We will check the application, if appropriate issue an estimate or quotation and tell you when to proceed, also outlining any additional precautions.
- You must give us 15 working days notice prior to commissioning, which we may decide to witness.
- Your installer must ensure the commissioning document is received by us within 30 days of commissioning the generation plant.

A generating station over 50kW will be dealt with by our Major Connection Contracts Team.

- The procedure is similar to above but with more time required for planning, connection assessment and delivery of the works.

¹ We will accept a small wind turbine that has an inverter that has been type tested to meet the requirements of G83/1-1.

² Your connection can be upgraded if required, please contact us for further details for the costs involved in advance of fitting the generator.

³ Special provisions apply on Shetland where any generator connection greater than 16A (3.7kW) per phase, and all multiple generation connections, are dealt with by our Major Connection Contracts Team.