

Post-energisation Guide

National Grid Electricity Distribution operate a Distributed Energy Resource Online Portal where users can view upcoming outages/export constraints and access general background information for each Distributed Energy Resource (DER) site.

This information is focussed, at the moment, on DER connections at 33kV, 66kV and 132kV. Please visit planned.nationalgrid.co.uk/distributed-energy-resources-portal to access the portal. To sign up to the portal, or if any contact details (and gate access codes etc.) have changed for a DER site within our area please contact: nged.swestwalesgen@nationalgrid.co.uk.

Please ensure National Grid Electricity Distribution have up to date contact details for your generation site.

Timescales for Planned Outages

National Grid Electricity Distribution receive notification from the National Energy System Operator (NESO) of Year Ahead (April through until end of March) planned outages on the England & Wales Transmission System at the end of Week 49 every year.

National Grid Electricity Distribution then begin planning the Year Ahead work on our Distribution System. All outages (including National Grid Electricity Transmission (NGET) outages) are entered into National Grid Electricity Distributions Outage Management System (OMS). Any outages affecting DER sites will be marked as Provisionally Approved and will then appear on the DER Portal.

A Provisionally Approved outage is an outage that has been requested as part of the Year Ahead Plan. National Grid Electricity Distribution have a fair degree of certainty it will proceed, but it will be studied in detail prior to its inclusion in National Grid Electricity Distributions Eight Week Report.

Export Constraints/ Interruption to Supply

For certain system planned outages National Grid Electricity Distribution might apply a full or partial export constraint to a generation site.

In some cases, the generation connection may be within the isolated section where National Grid Electricity Distribution wishes to undertake work.

In such cases, the DER site will be temporarily disconnected from the system, resulting in no import or export being achievable.

We will always strive to minimise and combine our outages as much as possible to reduce the impact on DER customers.

We also aim to inform customers of any export constraints/interruption to supply well in advance of the outage via our DER Portal and Eight Week Report.

Outage Notification

DER customers can access any upcoming planned outages via the DER Portal. A Eight Weekly Report is also sent out by our Control Centre every Friday.

This report details any export constraints/interruptions to supply that a DER customer can expect at their generation site within the next four weeks.

The above notifications are indicative only, with the final notice being given via awritten constraint/interruption notification from the National Grid Electricity Distribution person responsible for undertaking the work on our system.

Any queries regarding an outage can be sent to the National Grid Electricity Distribution person undertaking the work, or the National Grid Electricity Distribution generation email address for your area.



If you have any general queries or would like to discuss an upcoming planned outage, please use the contact details below based on your site's location.

NGED South Wales Connected Generation
nged.swestwalesgen@nationalgrid.co.uk

NGED South West Connected Generation
nged.swestwalesgen@nationalgrid.co.uk

NGED East Midlands Connected Generation
nged.eastmidgen@nationalgrid.co.uk

NGED West Midlands Connected Generation
nged.westmidgen@nationalgrid.co.uk

Maintenance Schedule

NGED are required by law to maintain our network. The nature of your connection and the voltage level at which you are connected will affect how often you can expect to be constrained/interrupted for a routine maintenance task. Below is a table showing the frequency and typical duration of a NGED maintenance task on various items of NGED plant.

This table does not include other outages (such as pole hanges/overhead tree cutting/fault outages) that may be occur throughout the year on NGEDs network.

	Frequency (Years)	Duration (Days)
132kV Switchgear Maintenance	3	5
132kV Protection Maintenance	3	1
132kV Isolator Maintenance	3	2
66/33kV Switchgear Maintenance	3	3
66/33kV Protection Maintenance	3	1
66/33kV Isolator Maintenance	3	2

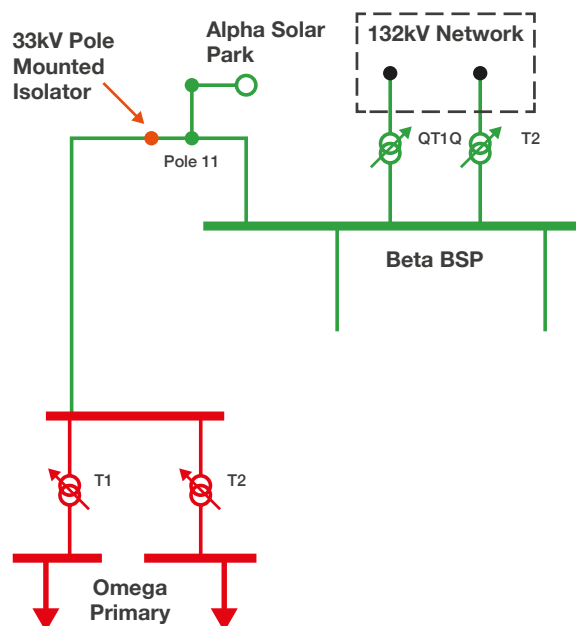
Your Connection

Sometimes it will be necessary for a DER site to be de-energised if it falls within the points of isolation (POI) being established to allow work to be undertaken safely. POI generally comprise of isolators at substations and pole mounted switches on our overhead network.

If additional POI were established on either side of a DER site it may benefit the availability of the site under certain outage conditions. An example is shown below.

For an outage on the circuit between Omega BSP and Beta BSP, Alpha Solar Park would encounter an interruption to supply. If a 33kV Pole Mounted isolator were to be installed (at a cost to the DER customer), as shown above, this could potentially reduce the number of times Alpha Solar Park would encounter an interruption. When work was being undertaken between Omega Primary and the new 33kV isolator, Alpha Solar Park could remain on supply from Beta BSP.

If you would like any information regarding upgrading your connection please contact NGED using the details below.



Faults

NGED has developed a system that emails DER customers who have been interrupted as a result of a fault on our system. We will always aim to give as much detail as possible as reassurance that we are aware of an issue and remedial steps are taking place.

If there are ever any safety concerns at your site, please **call 105** immediately.

**POWER CUT?
CALL 105**



For all general enquiries regarding your site please contact:

NGED South Wales Connected Generation
nged.swestwalesgen@nationalgrid.co.uk
02920 332843

NGED South West Connected Generation
nged.swestwalesgen@nationalgrid.co.uk
02920 332863

NGED East Midlands Connected Generation
nged.eastmidgen@nationalgrid.co.uk
0845 266 1722

NGED West Midlands Connected Generation
nged.westmidgen@nationalgrid.co.uk
0845 266 1688