

► Distributed Generation Owner/Operator Forum

Bristol, 19 July 2018



Distribution generation owner/operator forum dates TBC

18 Sept 2018 - EV and electricity system
forum London



27 Nov 2018 - Renewable Futures and
Green Energy Awards Bath





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Connections

New connections

Generation

- > G59 Applications
- > G59 Fast track applications
- > G83 Applications
- > Energy Storage
- > Generator application / commissioning forms
- > Study and offer quote
- > Community Energy Schemes
- > Payments for generated energy
- > Generation Infrastructure Schemes
- > Facilitating sharing of information for potential generation connections consortiums

Distribution Generation owner/operator forum

We have set up a forum in partnership with Regen aimed at owners and operators of MW scale renewables connected to a WPD network to provide an opportunity for WPD and Distributed Generation (DG) owners/operators to improve communication on issues including:

- WPD work to address grid constraints;
- Improving communication with generators on outages and constraints;
- Potential approaches for forecasting and mitigating outages.

The next meetings of the forum will take place on:

26 April 2018
19 July 2018

Meeting notes from previous events:

[25 January 2018](#)
[15 July 2016](#)
[28 Sept 2016](#)
[24 Jan 2017](#)
[27 April 2017](#) [Power factor and maintenance frequency slides](#)
[11 Jul 2017](#)
[20 Sept 2017](#)

If you or a colleague would like to join the forum then please contact Olly at Regen on ofrankland@regensw.co.uk for further details.



Contact us

Emergency information

0800 6783 105

General contact enquiries

0800 096 3080

Western Power Distribution Generation Portal

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Log in

You are being granted access to Western Power Distribution's Generation Portal. You understand that your access to this website is subject to the website's [Terms of Use and Privacy Policy](#).

User name:

Password:

PLEASE NOTE, THESE TERMS AND CONDITIONS GOVERN THE USE OF OUR GENERATOR PORTAL. BY CLICKING ON THE "ACCEPT" BUTTON BELOW OR USING THE GENERATOR PORTAL, YOU AGREE TO THESE TERMS AND CONDITIONS, WHICH WILL BIND YOU. IF YOU DO NOT AGREE TO THESE TERMS AND CONDITIONS, YOU MAY NOT USE THE GENERATOR PORTAL AND YOU AGREE THAT YOU WILL CEASE TO DO SO IMMEDIATELY.

<https://generation.westernpower.co.uk/>

- 13.30 **Arrival, registration and buffet lunch**
- 14.00 **Welcome, introduction and objective setting from the chair and WPD**
- 14.10 **Improving industry and WPD communication to address outages/constraints**
- 15.00 **WPD's 2018 NIC Bid Summary**
Jonathan Berry, innovation and low carbon networks engineer, WPD
Neil Murdoch, engineering manager, GHD
- 15.20 **WPD 2018/19 Incentive on Connections Engagement plan commitments**
- 15.30 **Outage impact assessment update**
- 15.40 **Review of Solar Trade Association outages best practice guide**
- 16.10 **Progress on the consortium/early investment options to reducing the impacts of outage**
- 16.15 **Loss of mains protection (vector shift to Rate of Change of Frequency) update**
- 16.30 **Networking and close**

WPD ICE plan 2018/19

Section 2 – Availability of information

Initiative		Initiative description
2.1*	Provide historic and forecast outage information and improved curtailment information for DG EHV connections at the point of issue of the connection offer	Develop systems and processes to provide better historical and forecast outage information, for a proposed DG EHV connection at the point of issue of the connection offer. Where the connection offer is for an alternative connection, we will also undertake developments to provide improved curtailment information. This improved information is intended to provide clarity on the likelihood of the level of curtailment
2.2	Further develop the WPD DGOO	Continue to develop the WPD DG Owner Operator Forum, developing an action plan with members to deliver further improvements to outage information provision. Host 4 forums including a visit to a WPD Control Centre providing further insight to members.
2.3	Continuing 2017/18 initiative: report on lost generation due to outages	Continuing 2017/18 initiative: Publish the report developed with the DGOO, on the quantity of generation loss (in MWh) caused due to WPD and National Grid system outages (132kV, 66kV & 33kV only) by generation technology type.
2.4	Further develop the report on lost generation due to outages	Further develop the report on lost generation due to outages to include an estimation of the £ value lost due to outages in the published report.
2.5	Report on reduced DG losses avoided during outages	Develop a report on the amount of DG losses avoided with the processes and procedures which have been developed to reduce the impacts of outages on DG. Develop ways of both quantifying reduced losses and of reporting case studies.
2.6	DG Constraints information leaflet	Produce a leaflet which will provide guidance to DG customers on how outages and constraints on the distribution system may effect their connections.

* Initiative shared between Control and Connections Policy

WPD ICE plan 2018/19

Section 2 – Availability of information

Initiative		Initiative description
2.7	Pro-active fault explanation email	In conjunction with the WPD DGOO, develop a pro-active email notification process to provide DG customers with explanations regarding faults on the distribution system which may have effected their connection.
2.8	Contacts for assistance with DG portal	Provide contact details for users to obtain assistance with the WPD DG portal.
2.9	Present to the WPD DGOO on ANM	Present to the WPD DGOO forum on Active Network Management connections and their bearing on outages and constraints.
2.10	Present to the WPD DGOO on operational best practice	Present to the WPD DGOO forum on operational best practice, raising awareness with stakeholders regarding the operation of their connections assets, in particular around outages and constraints.
2.11	Continuing 2017/18 initiative: DNO best practice on outages and constraints	Continuing 2017/18 initiative: WPD to work with Distributed Generation stakeholders to establish DNO industry good practice initiatives with regard to the management & notification of Network outages and generation constraints.

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FLEXIBLE SOLUTIONS FOR AN EVOLVING NETWORK

PROJECT REVISE

Project Overview



Project REVISE

Flexible solutions for an evolving network

What is it?

- Network Innovation Competition proposal
- £14.58m funding request from Ofgem (£1.62m WPD contribution)
- January 2019 – June 2023
- Three Project Methods: **Advanced Connection Solution**, **Dynamic Protection System** and **Intelligent Network Reconfiguration**
 - Unlocking capacity and increasing generator availability
 - Enabling intelligent network reconfiguration
 - Trialling new technologies and revising connection methodologies



Ofgem Submission Deadline: 3rd August 2018
Award Announcement: 30th November 2018

Project REVISE

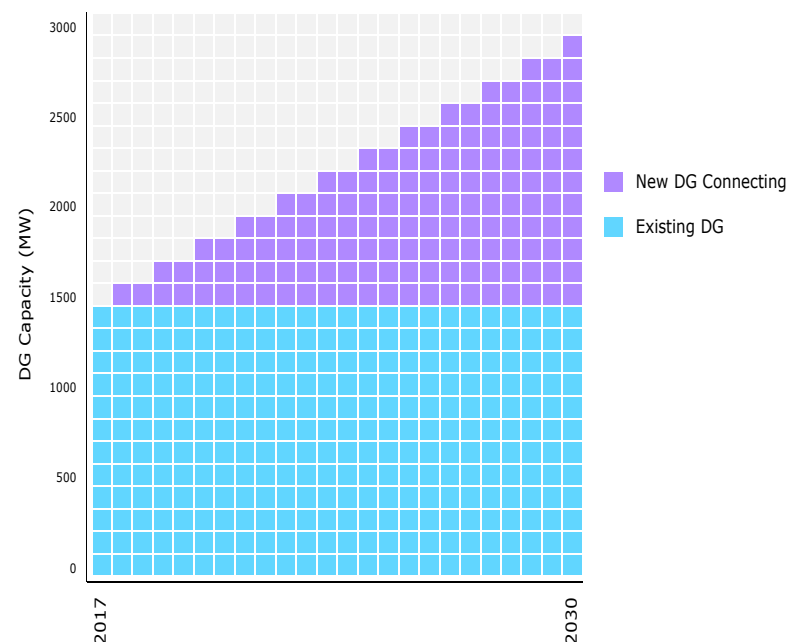
Flexible solutions for an evolving network

Why do we need it?

- Connecting forecast DG growth to the existing 33kV network
- Fulfilling technical commitments in WPD DSO Strategy
- Optimising utilisation of network, reducing reinforcement spend

What are the benefits?

- Reducing lost revenue for generators
- Becoming more efficient, better balanced with lower network losses
- Developing and demonstrating new network technologies
- Investigating and implementing enhanced cybersecurity



WPD West Midlands increase in DG capacity

THANKS FOR LISTENING

WESTERN POWER DISTRIBUTION



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