

▶ Distributed Generation Owner/Operator Forum

Bristol, 25 April 19



- 13.30 **Arrival, registration and buffet lunch**
- 14.00 **Introduction, action review and objective setting from the chair and WPD**
- 14.10 **Improving industry and WPD communication to address outages/constraints**
Forum member feedback on communication
Report back from single point of contact
Progress on updating outage portal
- 14.30 **Outage impact assessment update**
- 15.00 **An introduction to the Connect and Manage project**
Magdalena Paluch, statements of works team leader, Western Power Distribution
Will Topping, primary system design engineer, Western Power Distribution
- 15.30 **G98 and G99 – how will the changes impact connected customers?**
Andy Hood, technical policy, Western Power Distribution
- 16.00 AOB
- 16.30 **Networking and close**

Future WPD DG OO forums (Bristol)
18 July 2019

Other WPD
Balancing Act 2019 (London)
20 June 2019

Electric Nation Dissemination
(Warwickshire)
16 July 2019



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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

Please give us your feedback on
this forum:

<https://www.surveymonkey.com/r/QWZLMGF>



**Western Power
Distribution
Generation Portal**

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

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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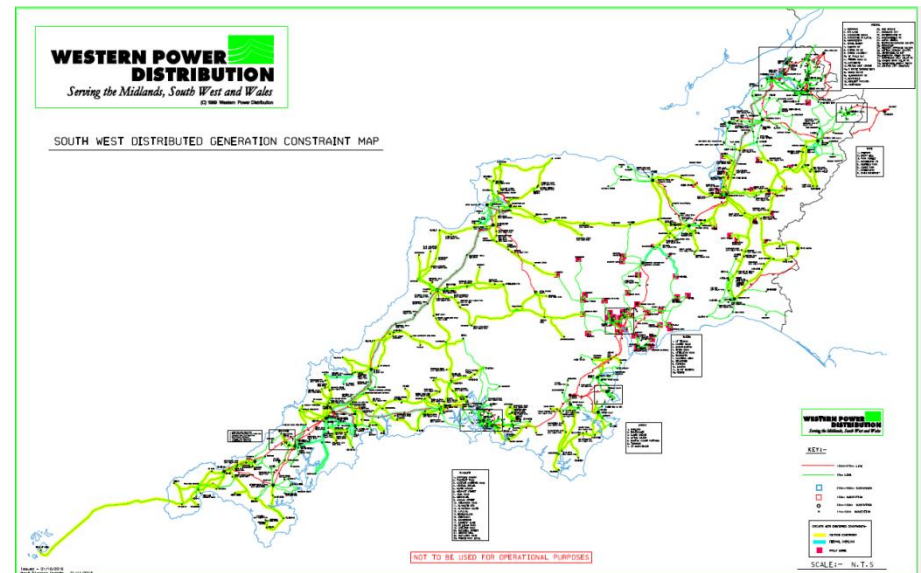


Connect and Manage & WPD

April 2019

Purpose Connect and Manage

- Regional Development Programme
 - Unlock capacity
 - Manage Transmission constraints
 - Open new revenue streams
- Only required during abnormal running



DER interaction

- Different from other Balancing Mechanism options
 - [Balancing Mechanism Roadmap](#)
- Only participates in constraint management aspects of balancing activity
- Price data submitted directly to Electricity System Operator (ESO)
- Settlement based on pre-agreed price and energy constrained
- Generation forecasts based on operational data

DER TCM interaction WPD

- Uses WPD's DERM system
- Distinct from WPD's ANM
- Signal delivered via Connection Control Panel (CCP, formerly GCP)
- Stage 0, 1 & 2

Register interest: commercial.operation@nationalgrid.com

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