

Distributed Generation Owner/Operator Forum

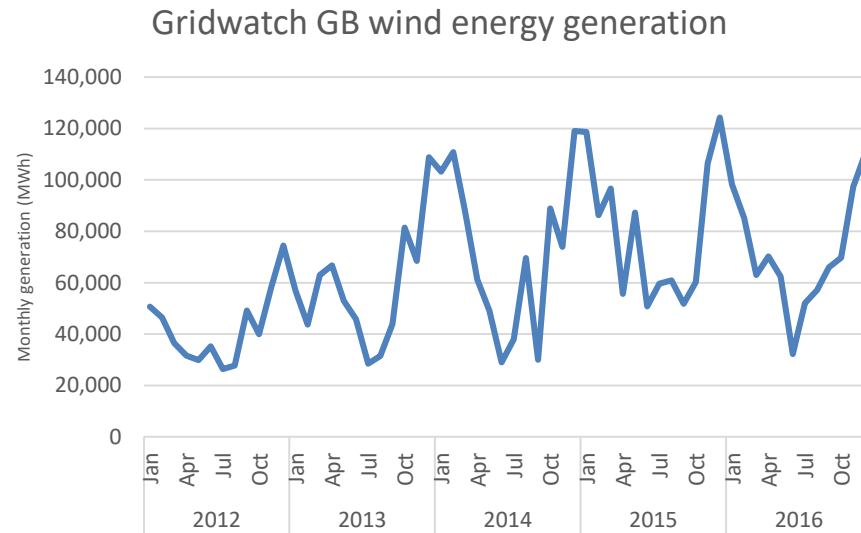
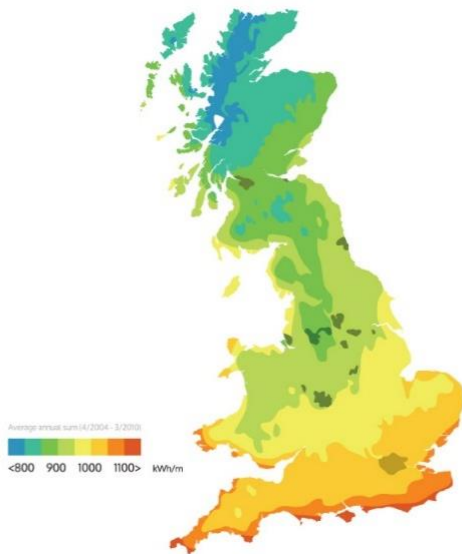
Bristol – 20 September 2017



Agenda

- 13.30 **Arrival, registration and buffet lunch**
- 14.00 **Welcome, introduction and objective setting from the chair and WPD**
- 14.15 **Generator portal – feedback from forum**
- 14.30 **Contact with WPD around outages/constraints**
- Progress on early notification of outages
 - Single point of contact
 - Implementation of 'just-in-time' process
- 15.30 **Consortium approach to major outages**
- 16.00 **Outage impact assessment**
Joel Venn, senior analyst, Regen
- 16.30 **Networking and close**

Calculating generation and incomes losses arising from network outages



September 2017

Model 1 - current and historic weather conditions data

- Use data on the weather conditions (irradiation and wind speed) over the outage period to estimate what the generation could have been
 - Evaluate the correlation between historic weather conditions and the historic generation, in order to estimate current generation in current weather conditions
 - Suitable for wind and solar projects
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Model 2 - historic generation data

- Use the historic generation of the same or other sites, to calculate lost generation from outages
 - Use the historic generation over the same period to estimate current lost generation
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Model 3 - current generation data

- Use the generation of nearby projects over the outage period to estimate lost generation
- Could be based on the generation of the closest project, or multiple nearby projects

Model 1 - current and historic weather conditions data

- Daily, weekly or monthly irradiance and wind speed data (MET office of WPD?), historic and current
 - Historic generation data by project
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Model 2 - historic generation data

- Historic generation data for projects with outages
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Model 3 - current generation data

- 'Current' generation data of preferably all largescale generation projects in WPD's licence areas
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All models will require data on outages, preferably on a project by project basis, including:

- Capacity
- Technology
- Location
- Outage length and dates
- Energisation date

Future forum dates and key events

Distribution generation owner/operator forum dates

25 January 2018

26 April 2018

19 July 2018

Electricity Network Innovation – Focus on getting community groups up to speed and actively engaged in energy network innovation, which can help communities tackle social and environmental challenges.

[London – 1 November](#)

[Newcastle – 7 November](#)

Renewable Futures and Green Energy Awards – Industry leading conference featuring a line of experts and key policy makers who will analyse the disruptive innovation shaking up the energy market

[Bath – 28 November](#)

