

High Wind Speed Shutdown and Power Available Workgroups

Grid Code Review Panel 17th July 2013

Power Available Workgroup

- Followed from Workgroup C11
- Workgroup members frustrated by prescriptive nature of Terms of Reference – “clearly define the defect that Power Available attempts to resolve...”
- Workgroup adopted approach
 - Define and critically review deficiencies
 - Develop and define solutions including Power Available
 - Assess effectiveness of solutions in overcoming deficiencies

Power Available Workgroup

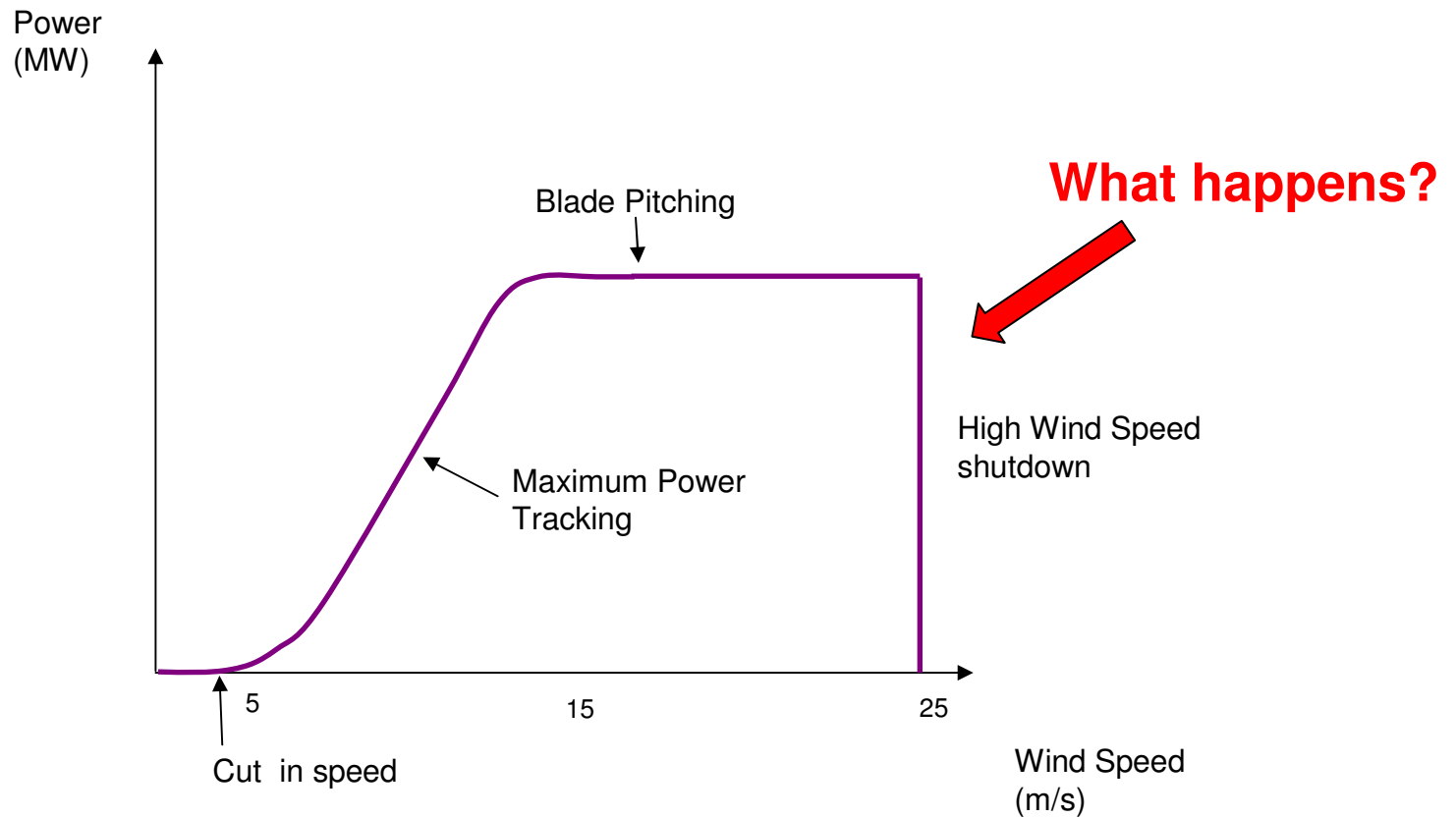
- Better understanding of deficiencies – post gate closure, understanding head room following curtailment to allow efficient balancing, procurement of reserve and despatch of frequency response
- Examined current data provision deficiencies and inconsistent use
- Identified options to overcome deficiencies
 - Consistent approach to MEL submission
 - Dynamic MEL, formulaic approach
 - Separate signal (Power Avail) refreshed frequently with MEL used for 'connected' capacity
- No Settlement implications...any such changes on how BOA volumes are calculated would be taken through BSC if deemed appropriate

Power Available Workgroup

- Impact assessment yet to be completed
- Report drafted however needs further work to fully reflect workgroup considerations
- Report completion, subject to workgroup schedule, likely to slip to November GCRP.

High Wind Speed Shutdown Workgroup

Generic Wind Speed / Power Curve



High Wind Speed Shutdown Workgroup

- Examined the characteristics of wind turbines and circumstances when cut out might occur
- Examined nature of cut out experienced thus far and the potential impact.
- Distilled the nature of the challenge:
 - Forecasting, managing 'disconnection' and 'reconnection' and options to meet the challenge
- Examined data currently available to the System Operator
- Proposed way forward is to request data under OC7 and OC10 following high wind speed events to support improved forecasting and assessment of impact
- Keep under review