

## Power Available Signal



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## The Issue

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- Grid Code obligation requires a best estimate from generators of their output
  - Submitted via a Physical Notification
  - Enables efficient balancing of the system
- Wind farms may have difficulties in providing accurate PNs
  - Increase in renewables will lead to inaccurate generation forecasts
  - Reluctance to return to PN

## Solutions?

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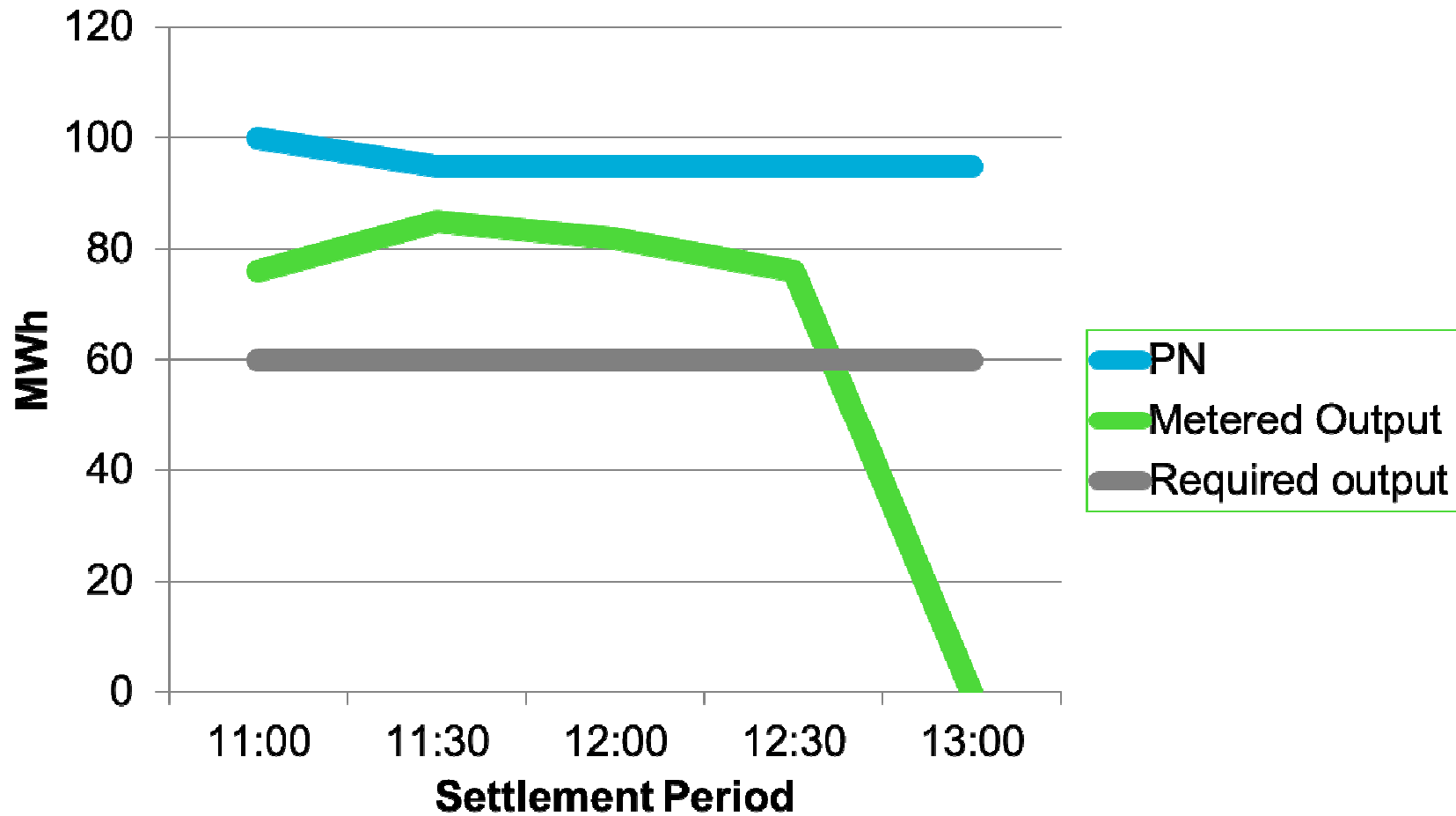
- Grid Code consultation C/11 published in May 2011 aimed to relax obligations on intermittent generation
- Reconvened WG on 07 November 2011 to discuss
  - NGET proposal to relax obligations on wind but issue BOA when required
  - Retains incentive to provide accurate PN
  - BOA is settled on bid price as normal
  - Emergency Instructions used as a last resort

## Additional Solution

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- Power available signal
  - Uses wind speed to calculate power available
  - BOAs are still issued against PN
  - Actual output used for settlement instead of PN
  - Obligation on wind generators to provide data
  - Aggregated from each turbine

# Example



## Benefits

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- Addresses issue of inaccurate PNs from intermittent sources
- PNs should still be used to notify predicted output
- In times of curtailment, the power available will better reflect the actual bid/offer volumes

## Views invited

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- Proposal to consider whether power available signal is a viable solution
- Potential cross over with Grid Code work being done on high speed wind shutdown
  - Workshop scheduled for 04 April – numbers limited
- Potentially set up a cross code workgroup to develop