CMP237 Workgroup Meeting 2







21st November 2014

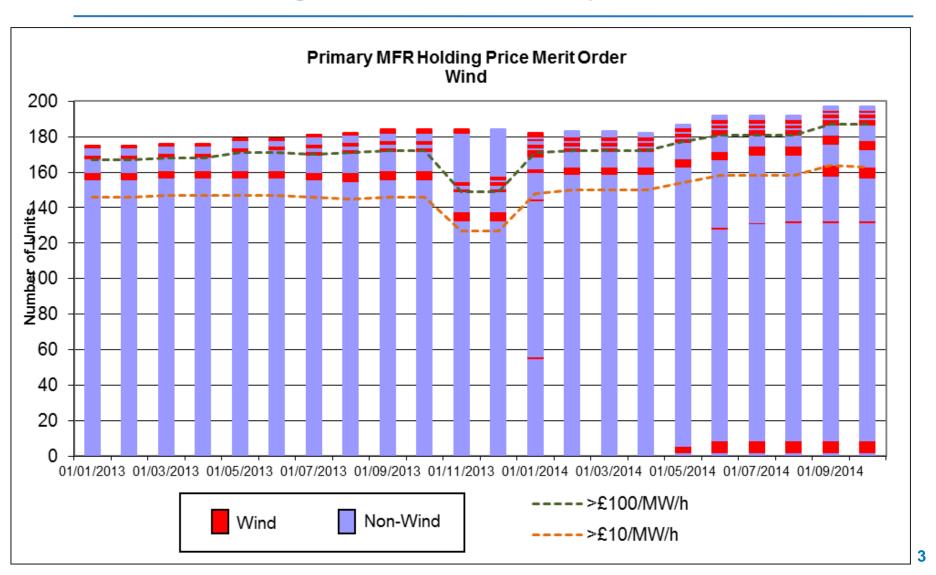
Wind Despatch

- On 7th November we despatched wind for response:
 - CLDCW-1 02:05 04:54
 - CLDNW-1 02:05 04:54
 - CLDSW-1 02:05 04:54
 - GRIFW-1 03:14 04:25
 - GRIFW-2 03:14 04:25
 - GORDW-1 03:28 04:44

 Details will be available in the next Monthly Balancing Services Summary (MBSS)

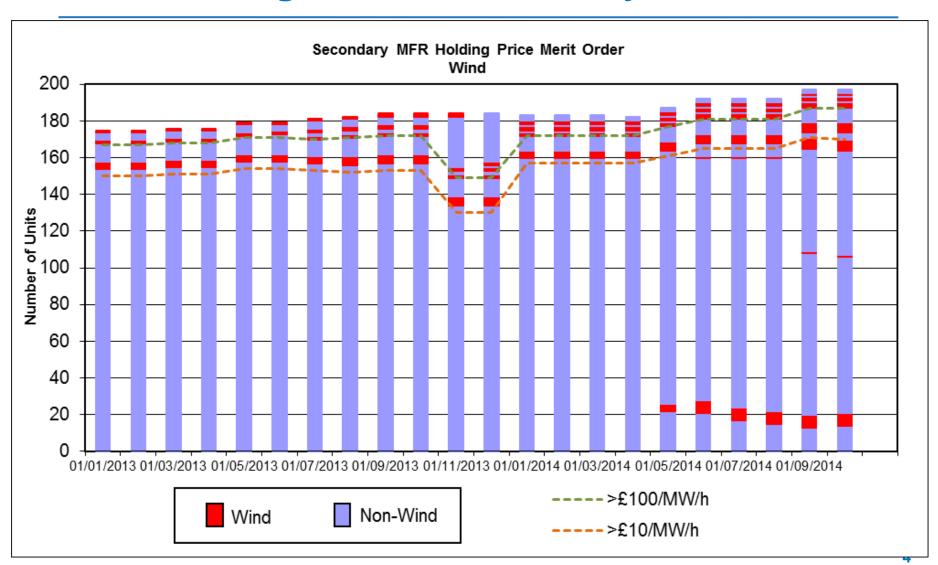


Wind Holding Prices - Primary

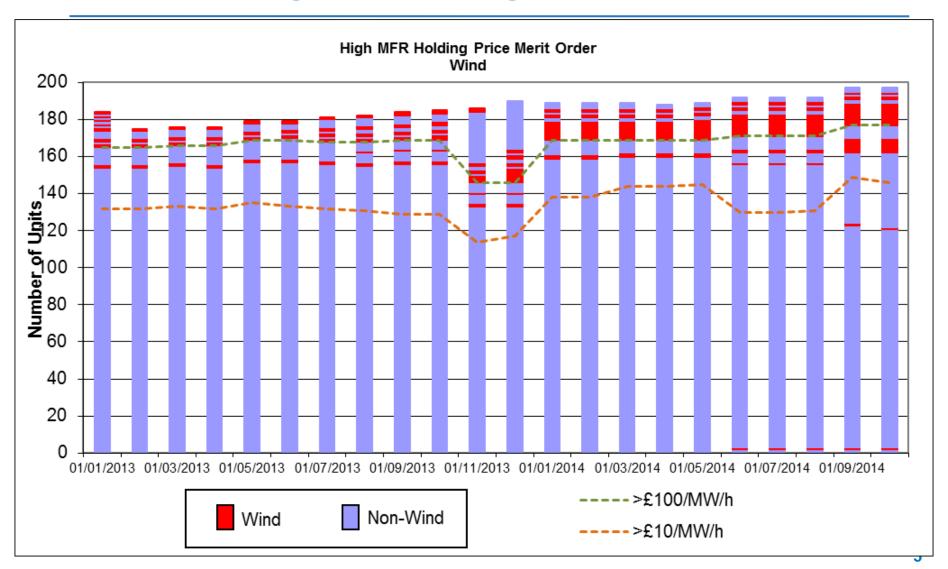




Wind Holding Prices - Secondary



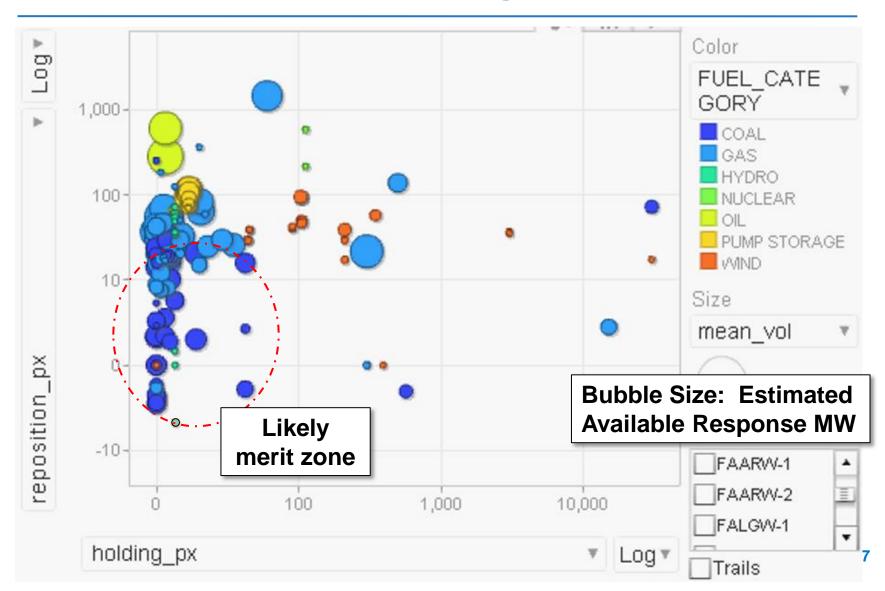
Wind Holding Prices - High



Combined BOA and Holding Prices

- The cost of the first MW of a BOA is not the same as the cost of the last MW
- BOA cost depends on how far the unit needs to be moved to achieve most responsive loading point
- Assumptions:
 - The most responsive point is halfway between MEL and SEL
 - Use volume weighted average cost of moving unit to this point per SP
 - For wind, MEL=FPN
 - Holding Prices are summed

Combined BOA and Holding Prices (1/10/14)

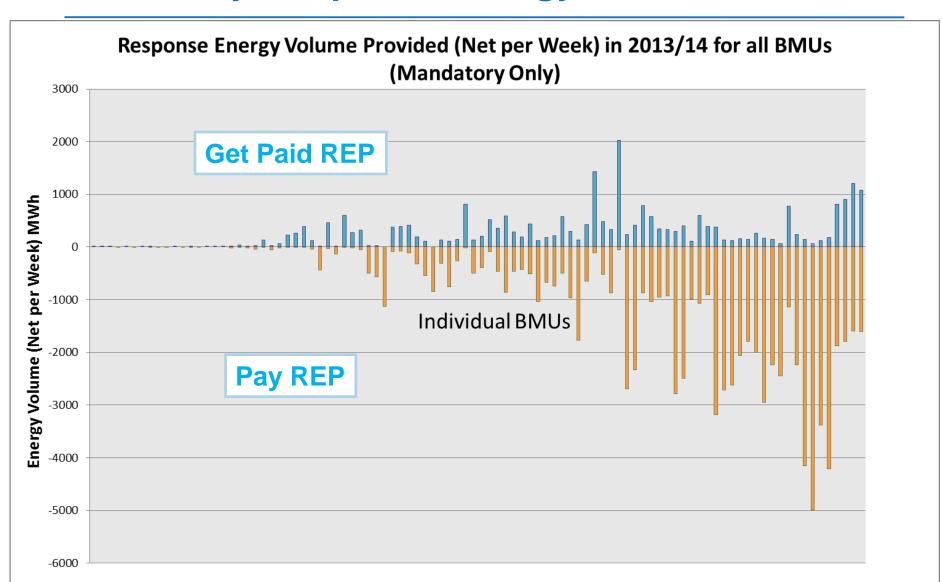


Combined BOA and Holding Prices

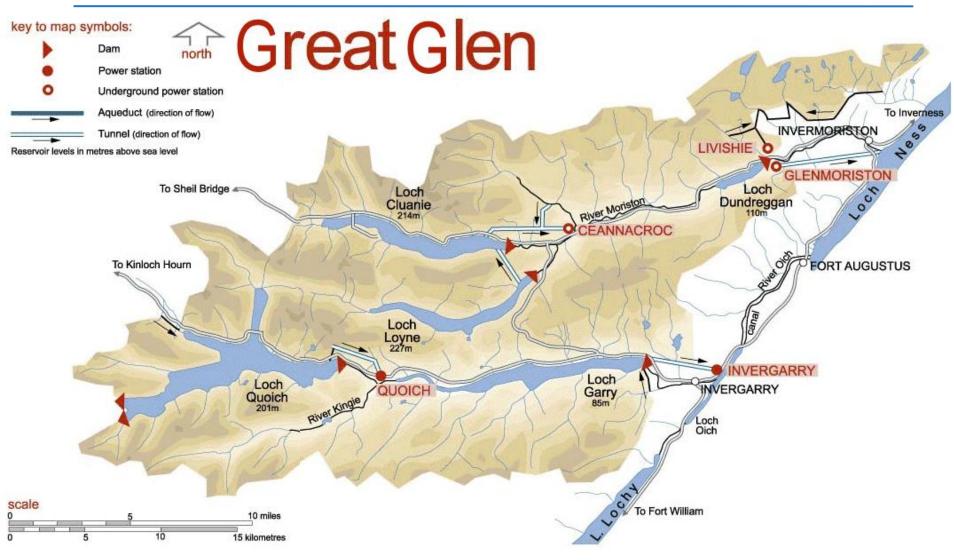
- Note that most response capability despatched does not require a BM action
- Conclusions:
 - Most wind BOA prices sit in a horizontal band, this is likely to be linked to the lost ROC cost
 - A number of wind sites have total holding prices higher than the equivalent BOA prices – these are the >£100/MW/h sites
 - Wind slightly out of likely merit zone for response call



Mandatory Response Energy Provided



Hydro – Run of River / Storage





What Plant Should Be Included?

| Fuel Cost | No Fuel Cost |
|---|---------------|
| Gas | Onshore Wind |
| Coal | Offshore Wind |
| Oil | Solar |
| Nuclear | Tidal |
| Biomass | Wave |
| Electricity Storage Technologies (inc. pumped storage, batteries) | Hydro |