mFRR Q&A

NBM meeting

2020-11-26

VATTENFALL

Vattenfall on the Nordic mFRR market

Vattenfall is active on the mFRR market in Sweden, Denmark and Finland.

Resources used for mFRR:

- Hydropower stations
- Wind farms
- Nuclear powerplants
- Consumption

Q&A

- How do you plan to automate the ordering and activation processes of mFRR internally?

  During the time between implementation of electronic ordering in Sweden and 15 min ISP we will evaluate to which degree we want to automize the process. Today we have a mix of processes depending on country and mFRR asset. The aim is to automize as much as possible from the activation request from TSO to delivery from asset.

- Are you prepared for the quarterly scheduled activation process with clearer requirements for the activation response?

  We have invested in a new planning system well prepared for the coming market changes. The ramping will be handled differently depending on type of activated asset. Start of a hydro generator will lead to a quicker ramp than adjusting the flow through an already producing generator.

- How will you handle being activated and deactivated more often?

  An increased amount of activations will lead to increased maintenance costs. We will most likely use different bid attributes to avoid increased cots, but most likely some assets will be more expensive to regulate and the price adjusted.

- Do the new bid attributes sufficiently meet the needs you have?

  Yes. An extra attribute with minimum activation duration time could be a complement.

- What type of incentives do you propose to ensure availability for activation and reporting of unavailability or failed activations to TSO?

  When BSP and BRP are within the same company the follow up should be on portfolio rather than assets to se if requested activation has been completed. This will allow a higher flexibility.

  A BRP affected by an independent BSP should not be penalized if the BSP do not deliver regulation as requested.

Comments

- We would like to see a harmonized communication in the Nordic region – one endpoint per BRP in the ECP network.
  This will simplify for BSP to participate in different countries and reduce maintenance and implementation cost on IT.

- There is a clear risk that mFRR assets with a preferred delivery time > 30 min will not be offered to the market.
  ie, Nuclear powerplants can adjust some production in time, but not optimal to use in to short time periods.