



Consumers as Guardians of the Power System

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Prosumers and their role in the future power system



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Prosumers / balancing&redispatching / system point of view

What is the prosumers' contribution to the system control / quality?

- Currently small; after gaining the critical mass, yes. FutureFlow showed the potential of their involvement.
- More simultaneous (small) providers:
 - Full Activation Time could be improved
 - Would improve reliability of control
 - Finally, increases competition and lowers the prices

How to handle large number of (small) providers from TSO side?

- Challenges exist, as in other aspects of accommodating distributed (intermittent) generation
- Further development of IT, forecasting technics
- Clustering

What is the influence of distributed providers to redispatching mechanism?

- RD requires significant amount of MWs to make a difference, but again after having enough providers, geographically distributed RD capacity provision is beneficial. Less MW for better RD effect.





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Thank you



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