FLEXIBILITY & LOCAL CHALLENGES

GROUP B1 Host: Hege Holte Nielsen

Flexibility & local challenges

DSO, local grid, prosumers, small scale, smart grid, new local marketplaces

1. What are the main challenges (1-5) you see on a Nordic level, in getting more flexibility to the market

Q What comes first, electricity supply or demand

Aggregators: Nordic contries in different phase of implemntation -need to coordinalte mkt. design

signal to use aggregators, demand resonse, storage etc. up to DSO to make changes (planning)- Need standardized technology

Impementation of CEP in different directions in the Nordic countries, regulators give different instructions. Need more coordination

Art. 32 implementation, some finds that this does not affect DSO activities, flex services should be available in all market.

2. List your suggestions on what you think could be done on the Nordic level to address one or several of those challenges. Use key words.

Define what kind of reliability in planning for the DSO in order to avoid outages

DSO need to clarify their needs in order to plan for flexibility

Standardized technology and robust sollutions

DSO needs confidence in system planning. In addition make market based sollutions.

Strong Nordic coordination on market design and system design. Local markets needs to coexist with balancing markets

GROUP B3 Host: Antti Paananen

Flexibility & local

DSO, local grid,

prosumers, small scale,

smart grid, new local

1. What are the main challenges (1-5) you see on a Nordic level, in getting more flexibility to the market

Having similar challenges as in other parts of EU -> harmonisation

Lack of local market places (not covering all areas in Nordics) Interaction between different markets (price signals could be more clear)

Profitability (lot of job for system operators + flex providers)

DSOs have to forecast what will nappen in their grid; DSO do not have

ontime info (need for

sensors etc)

Internal lack of all DSOs do not have same incentives such historical + from buying flex as building grid

Rules for independent aggregators

Grid fees and taxes are flat -> less incentives

What DSOs expect from flex providers -> need for harmonisation + DSOs have to explain their needs

2. List your suggestions on what you think could be done on the Nordic level to address one or several of those challenges. Use key words.

marketplaces

challenges

TSO/DSOs have different products+requirements for full-filling their needs > could we have similar products and same requirements for flex providers

Implement CEP in coordinated way -> similar preparation work as NordREG has done

Share information between Nordic countries, learn from experiences

Funding for DSOs

R&D (many small DSOs); also support for implementation

GROUP B2 Host: Ulrich Lopdrup

Flexibility & local challenges

DSO, local grid, prosumers, small scale, smart grid, new local marketplaces

1. What are the main challenges (1-5) you see on a Nordic level, in getting more flexibility to the market

DK: No need for DSO to activate flexibility. For now they rely on bilateral agreements

FI: Not large congestions challenges local level

NO: Local netcompanies look into new enforcements due to incearsd demand

Focus on increase reliablity

Business case for the aggregators is still too

More mature at the TSO level balancing

2. List your suggestions on what you think could be done on the Nordic level to address one or several of those challenges. Use key words.

Pilots can make way for increased role of flex providers

Funding might be necessary to bridge the cap in demand for flex and supply.

Nordic hamonization would be beneficial for the new actors - but also difficult due to national differences

Sharing best practises.

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