FLEXIBILITY AND SECTOR INTEGRATION

GROUP A1

Host: Mattias Johansson

Flexibility & sector integration

Power to gas, hydrogen, heating, cooling and transportation, electrification of industry





GROUP A2

Host: Fredrik Norlund

Flexibility & sector integration

Power to gas, hydrogen, heating, cooling and transportation, electrification of industry

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

Difficult to know where the new demand will come. Challenging for grid development.

> Energy markets are in silos. Must come market/price signals from outside own sites.

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.

More proactive approach when building grid together with market participants



How to create certainty for investors of future value for flexibility?

Difficult to choose when to be flexible due to the different price signals

Interaction between the sectors. Need the right (and at same time) price signals from the different sectors

Focus on cost efficiency important for the industry in this transition

Technology neutral and transparent grid tariffs, neutral across borders

Align regulation for offshore wind (bidding zones etc.) providing certainty for investors

Nordic wide project for EU funding. Nordic

Widening the scope to include also the

GROUP A3 Host: Eva Centeno López

Flexibility & sector integration

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GROUP A4

Host: Alexander Kellerer

Flexibility & sector integration

Power to gas, hydrogen, heating, cooling and transportation, electrification of industry

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

Bankability (is there a business modell?)

How can consumers benefit more from providing flexibility? (give the right signals/ incentives)

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.

Regulators have to ensure that there are a real market places for flexibility (which value flexibility correctly)



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Multiple taxation (e.g for production and consumption)

There may be mixed signals in the future when we move towards a more intermittent

generation mix

Right choice between markets and "modes" of production (e.g. shall I provide heat or flexibility?)

New technological solutions needed to use flexible resources in the most efficient/

Network tariffs (same

issue, you need to

pay twice in many

cases)

optimal manner

Such market places need to be as close to real time as possible (and prices of all regulated markets should be known beforehand)

Give more options to offer flexibility

many cases already ailable but we need to

The right technology is in Electrification of heating has the potential to rease the importance

Cooperation is needed between