

Demand Side Management: Empowering the end user in the energy transition

Bergen, 16. April 2018

Even Bjørnstad

ENNOVA



International Energy Agency
Demand Side Management
Technology Collaboration Programme

Enova SF

- National agency, promoting:
 - ✓ climate
 - ✓ security of supply
 - ✓ technology
- A wide target scope
 - ✓ sectors
 - ✓ value chain
 - ✓ market transformation
- Instruments
 - ✓ investment grants
 - ✓ loans
 - ✓ information/advice

Why is Enova here today?

- As host for the IEA DSM ExCo meeting
- To meet with relevant market actors



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What is IEA DSM TCP?

- An International Energy Agency (IEA)
Technology Collaboration Programme (TCP) on
Demand Side Management (DSM) and energy efficiency
- 16 member countries + 3 sponsors



+ USA, India, South Korea, New-Zealand, Australia

Sponsors:

Regulatory Assistance Project (RAP)
European Copper Institute (ECI)
EfficiencyOne, Nova Scotia

«DSM day» take home

- The TCP gets deeper insights in Norwegian DSM context
- Exchange of research and market insights - bidirectional
- Meet, discuss, find common ground?

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09:00- 09:10: Introduction: The IEA DSM programme.

Arvid Bjørnstad, Enova

09:10- 09:35: Non-wires alternatives to grid expansion

Steffen Hagen Øyan, Statnett

09:35- 10:00: National strategies and incentive programs for increased energy system flexibility *Thomas Berg, Enova*

10:00- 10:25: Flexibility resources as part of the solution for national grid owners *Line Bergfjord, BKK Nett*

Free break

11:00- 11:10: Research on the future intelligent, flexible and decentralized distribution grid – with special focus on potential for demand response from household customers *Hanne Sæle, TEF Energy*

11:10- 11:35: Mechanisms and incentives for motivating user flexibility *Arvid Firman Fjellså, NTNU*

11:35- 12:00: NODES: European marketplace for decentral flexibility. *Steffen Hagen, NODES*

12:00- 12:45: LUNCH

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12:45- 13:10: Deep Energy Retrofit: Life Cycle Cost and Multiple Benefits on Project Level *Jan Bleyl, Energetic Solutions*

13:10- 13:35: Theories and methods for changing energy behaviour *Steffen Sea Rotmann, Sustainable Energy Advice*

13:35- 14:00: Blockchain technology and potential applications in the energy transition *David Shipworth, University College London*

Break

14:15- 14:40: Business models for energy efficiency services: User centeredness, capabilities and context *Ruth Mourik, DuneWorks*

14:40- 15:05: 25 years of energy system insight - the DSM University *Hans Nilsson, Fourfact*

15:05- 15:15: The strategic view: DSM in the energy transition *Rob Kool, retired Chairman of IEA DSM*