



NordREG  
Nordic Energy Regulators

# **Tariffs in Nordic Countries**

## **Survey of load tariffs in DSO grids**

Seminar

5<sup>th</sup> November 2015 - Stockholm



# Agenda

- 10:00 Welcome
- 10:15 Presentations I
- 11:30 Lunch
- 12:20 Presentations II
- 14:00 Afternoon coffee
- 14:30 Presentations III
- 15:20 Summary and discussion



# Background

- Energy Efficiency Directive
- New technology
- Real time metering
- New opportunities
- Discussion on harmonization of tariffs across countries

Tariffs in Nordic countries –  
survey of load tariffs in DSO grids

Report XX/2015



# Background

What can NRA do  
to incentivize  
more energy efficiency  
in distribution and use  
of energy  
through grid tariff design

Tariffs in Nordic countries –  
survey of load tariffs in DSO grids

Report XX/2015

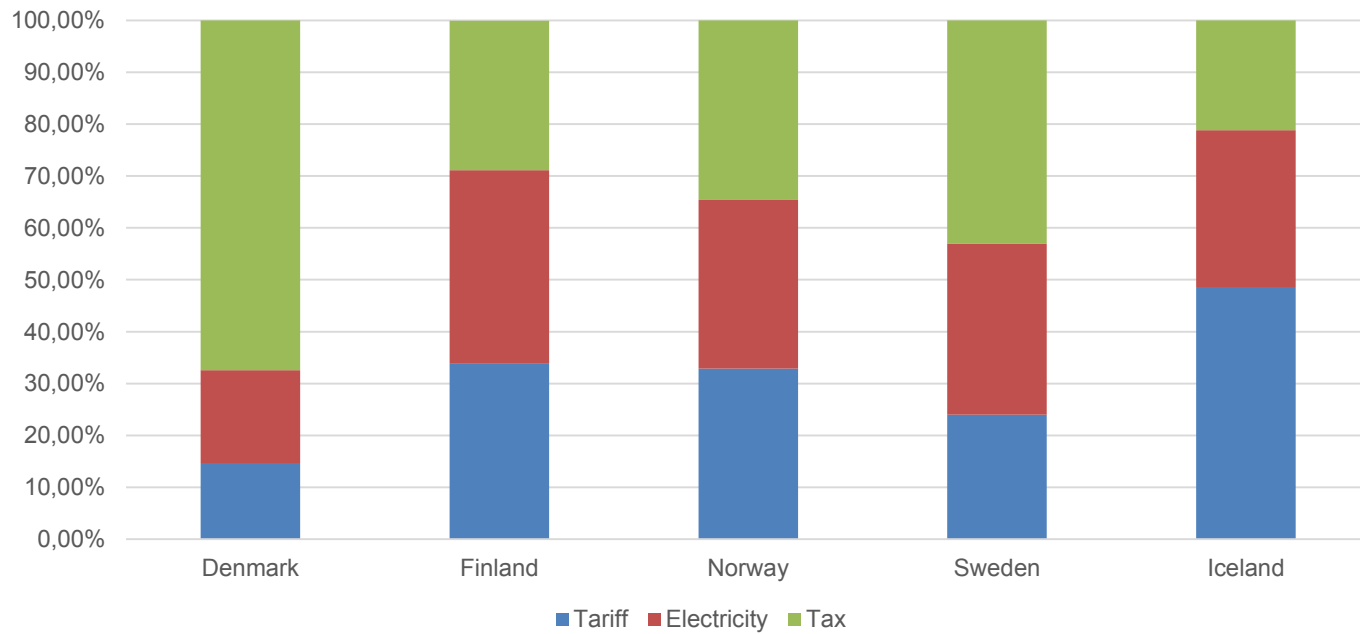


# Tariff design in Nordic countries

- NRA, National Regulatory Authority, sets revenue caps
- Objective
- Non-discriminatory
- Cost-reflective
- Transparent

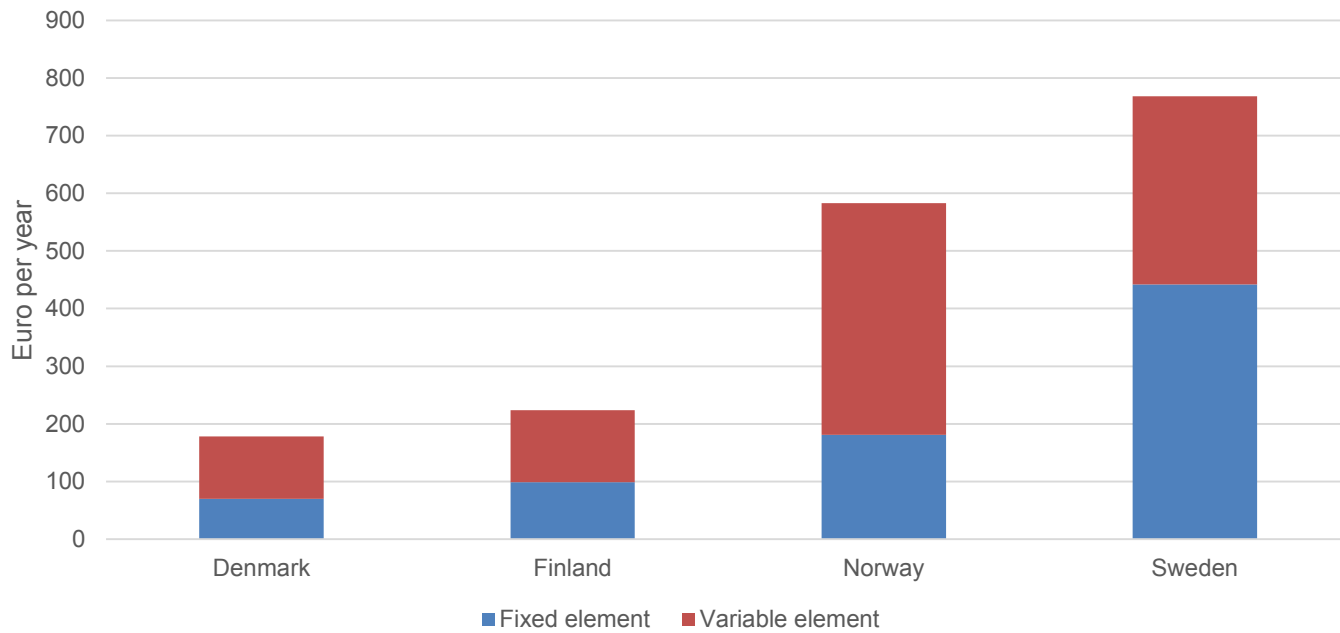


# Typical household



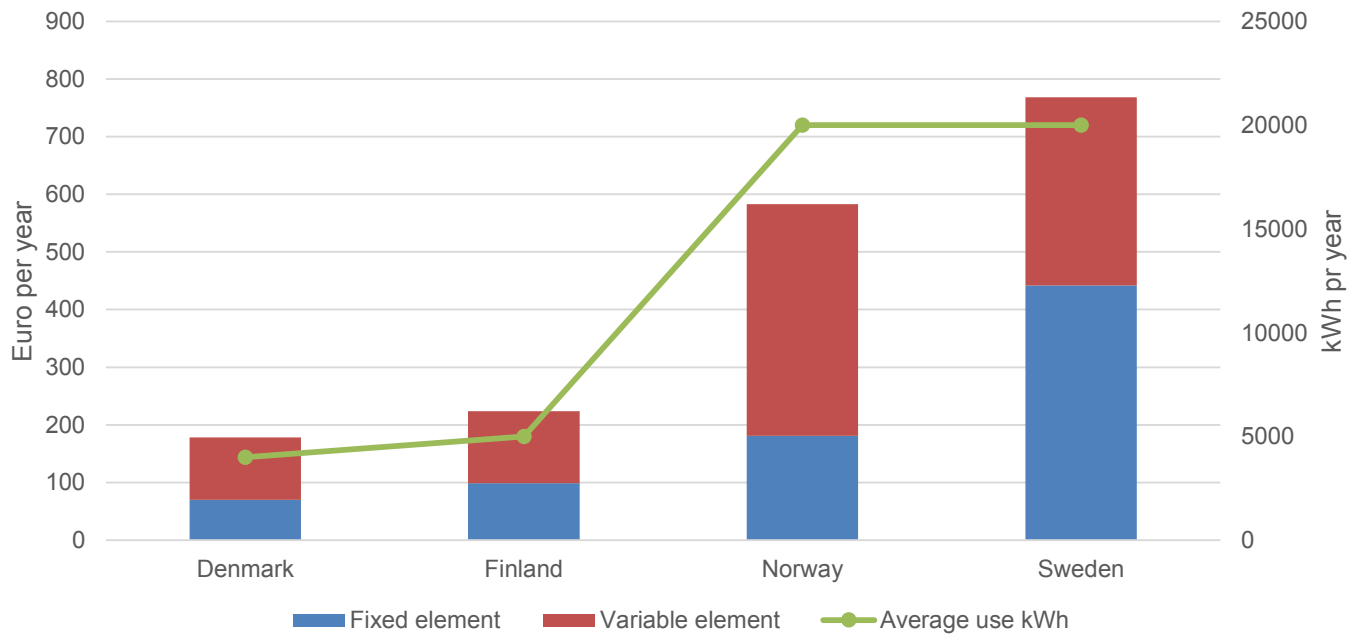


# Average household tariff





# Average household tariff







# Agenda

- 10:15      Implementation of the Nodal Pricing Regime for Distribution Network Pricing Model: A Benchmark Model  
Dr Mohammad Reza Hesamzadeh, KTH Royal Institute of Technology, Sweden
- 10:40      Impacts of DR and DER on DSO tariff structure development  
Samuli Honkapuro, Lappeenranta University of Technology, Finland
- 11:05      Big Data Analysis – meter data for better decision making  
Magnus Lindén, Sweco, Sweden



# Agenda

- 12:20      **Developing DSO's tariff structure**  
Kenneth Hänninen, Finnish Energy Industries, Finland
- 12:45      **Updated Danish DSO tariff model – and focus points for future development in tariff design**  
Torben Møller Pedersen, Dansk Energi, Denmark
- 13:10      **Demand side flexibility, load tariffs and grid investment savings**  
Kjetil Ingeberg, Xrgia, Norway
- 12:45      **Experiences and results from experiments with time-of-use network tariffs**  
Mads Paabøl Jensen, Dong Energy, Denmark



# Agenda

- 14:40      **New network tariffs in Sweden?**  
Thorstein Watne, Vattenfall, Sweden
  
- 15:05      **Potential customer impact of new tariffs**  
Albin Kjellberg, Ellevio, Sweden
  
- 15:30      **Summary and discussion**