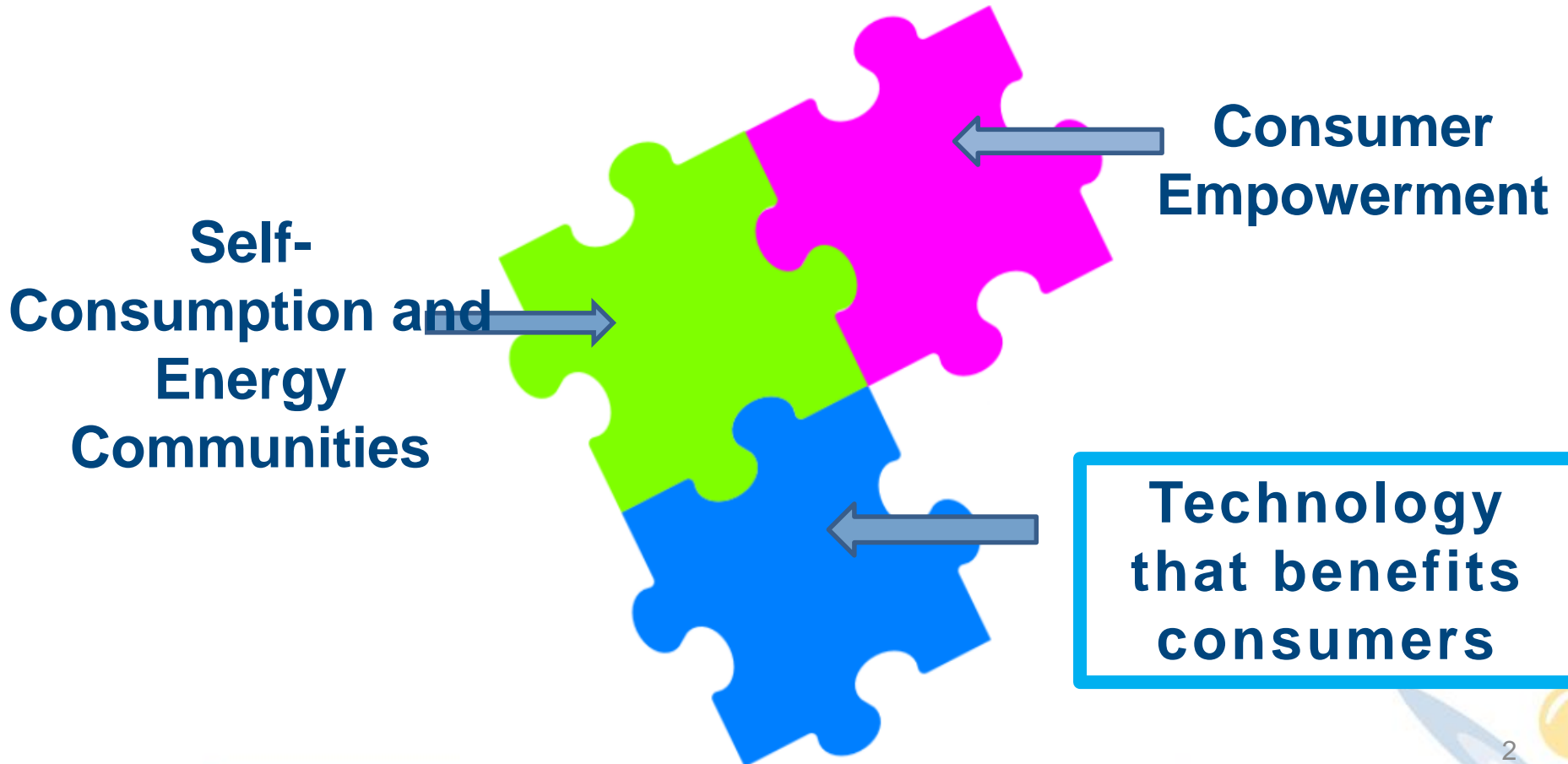




CEER 2019 Customer Conference
Key elements from recent CEER
technology case studies
Jana Haasová, CEER

Brussels, 5 November 2019

CEER reports related to Clean Energy Package implementation (July/August 2019)



Session 2: Implementing the CEP technological opportunities

Implementing Technology that Benefits Consumers Case Studies

Scope ▶ 3 topics in the recast Electricity Directive



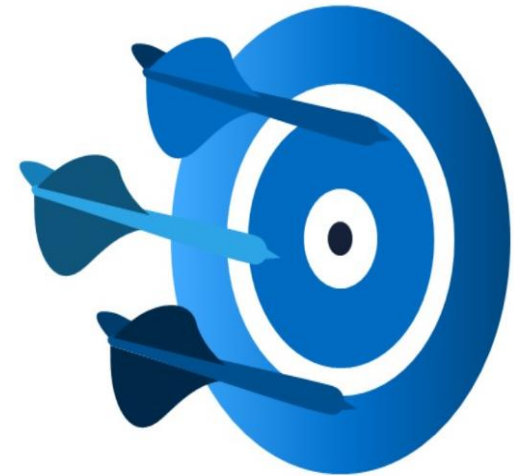
On-demand smart meter roll-outs
Article 19 -21; Annex II



Dynamic price contracts
Article 11



Data exchange and interoperability
Articles 23 and 24



Implementing Technology that Benefits Consumers - Case Studies



1. Lessons learnt relating to on-demand smart meter roll-outs



Demand-led component to the first phase of the full smart meter roll-out in Ireland

- ✓ Network-led upgrade of electricity smart meters where customers can be prioritized ▶ roll-out is divided into phases ▶ socialization of costs



The costs of having two parallel metering systems in Norway

- ✓ Two systems ▶ increased DSO efficiency ✗ additional costs



Implementing Technology that Benefits Consumers - Case Studies



2. Dynamic price contracts

Voluntary prices for household consumers in Spain

- ✓ default electricity tariff based on dynamic pricing
 - ▶ no possibility to calculate customers' savings ex-ante (ex-post only)

Hourly contracts in Sweden

- ✓ suppliers not obliged by legislation to inform customers about the opportunities and risks associated with hourly contracts ✗ they are obliged to inform where info about supplier's prices can be found & how the price is set

Dynamic prices in Norway

- ✓ New smart meters ▶ customers can access hourly metering & choose an hourly spot-based contract ▶ benefit for customers thanks to shifting their consumption





Implementing Technology that Benefits Consumers - Case Studies



3. Data exchange and system interoperability



In Austria

- ✓ All market players enabled to exchange data via a voluntary industry-led initiative ▶ data transmission, distribution and reception supported ✗ it is not a central data hub



In the Czech Republic

- ✓ Stream of technical data focused on TSO ✗ business data flows focused on the market operator – systems are interconnected
▶ discussions on a possible data hub underway within NAP for Smart Grids



In Denmark

- ✓ TSO required by law to establish and operate DataHub
▶ handles data communication and business processes between market participants and electricity markets

CEP implementation on customer/ retail issues

Next steps...

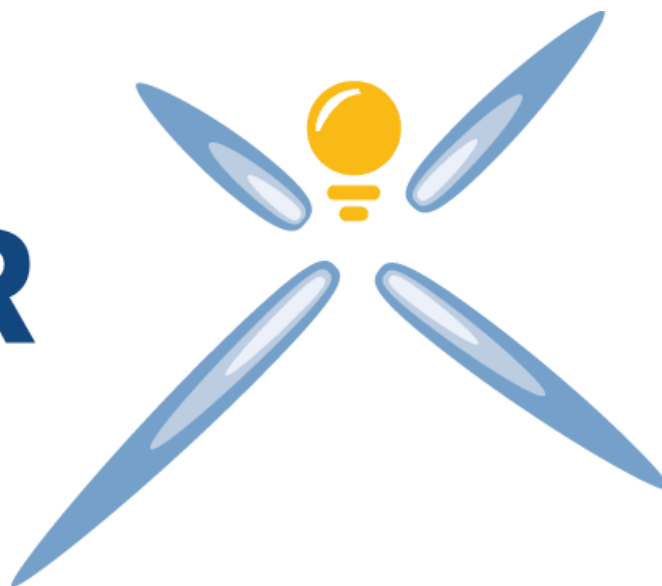
2019 / 2020

CEER ▶
Recommendations on
Dynamic Price Implementation

Thank you for your attention!

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