



The Distribution System Operator (DSO) as '*neutral market facilitator*' under EU law

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SNIPPET

SECURE AND PRIVACY-FRIENDLY

PEER-TO-PEER ELECTRICITY TRADING

[Website](#)

[School on P2P \(16-21 Oct\)](#)

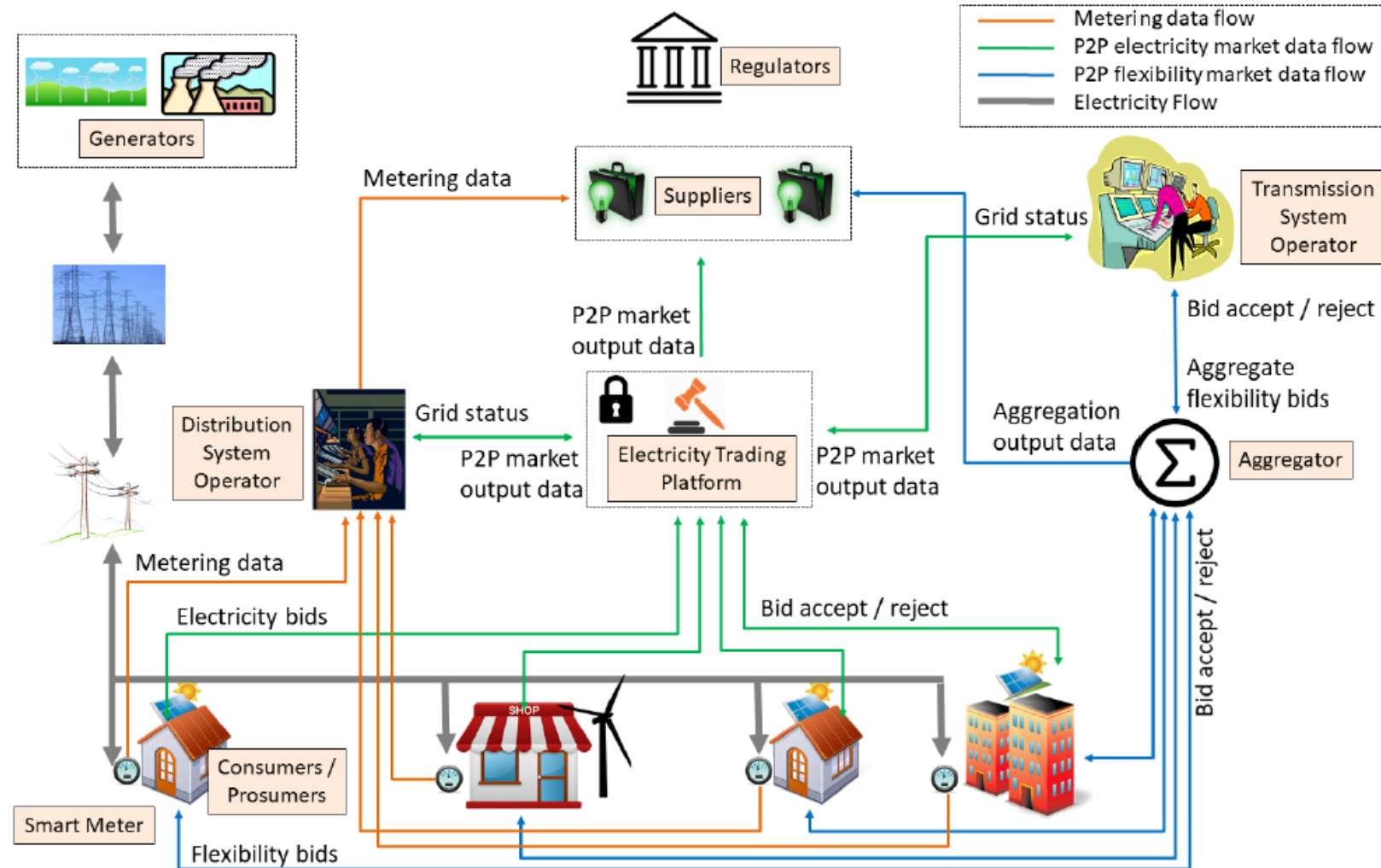


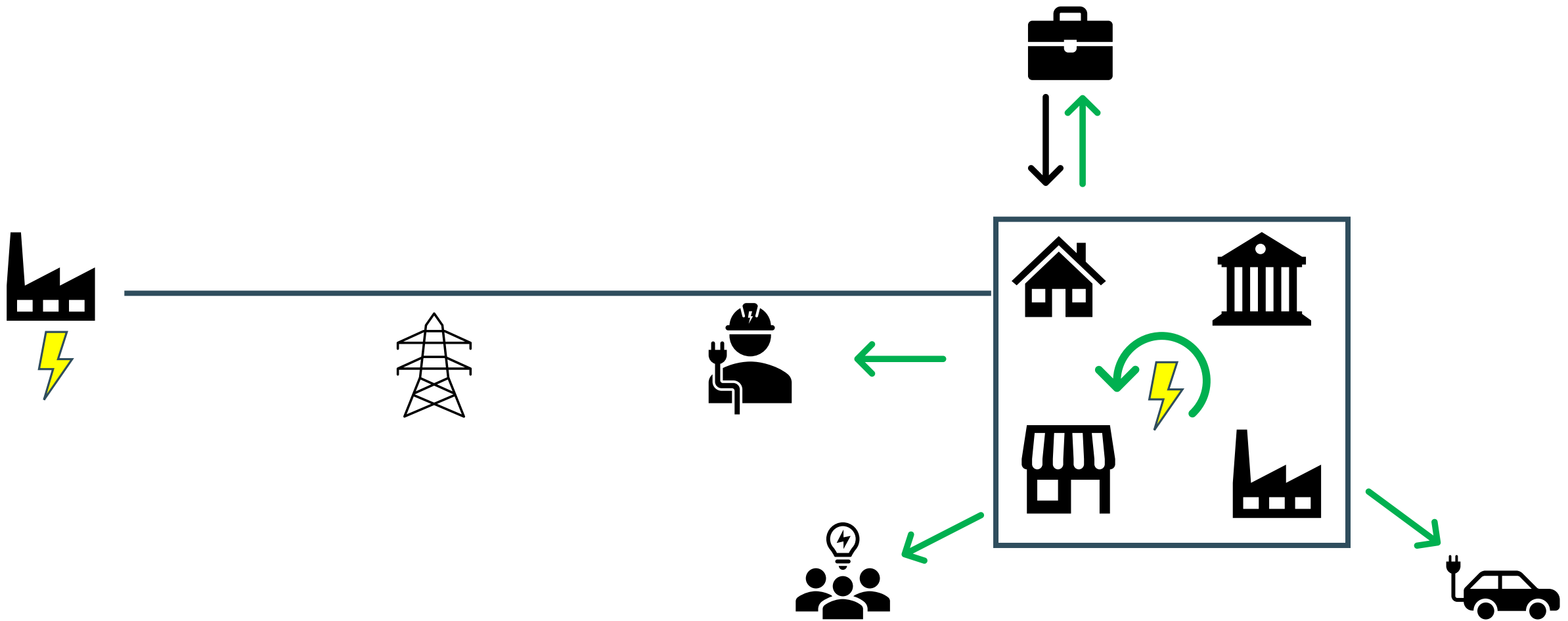
Figure 1: P2PEM market players and their relation.

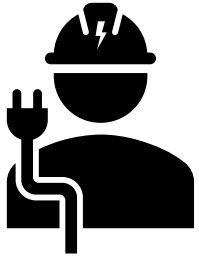
Overview

The distribution system operator (DSO)

From challenges to new roles and activities

Proposal: 'neutral market facilitator'

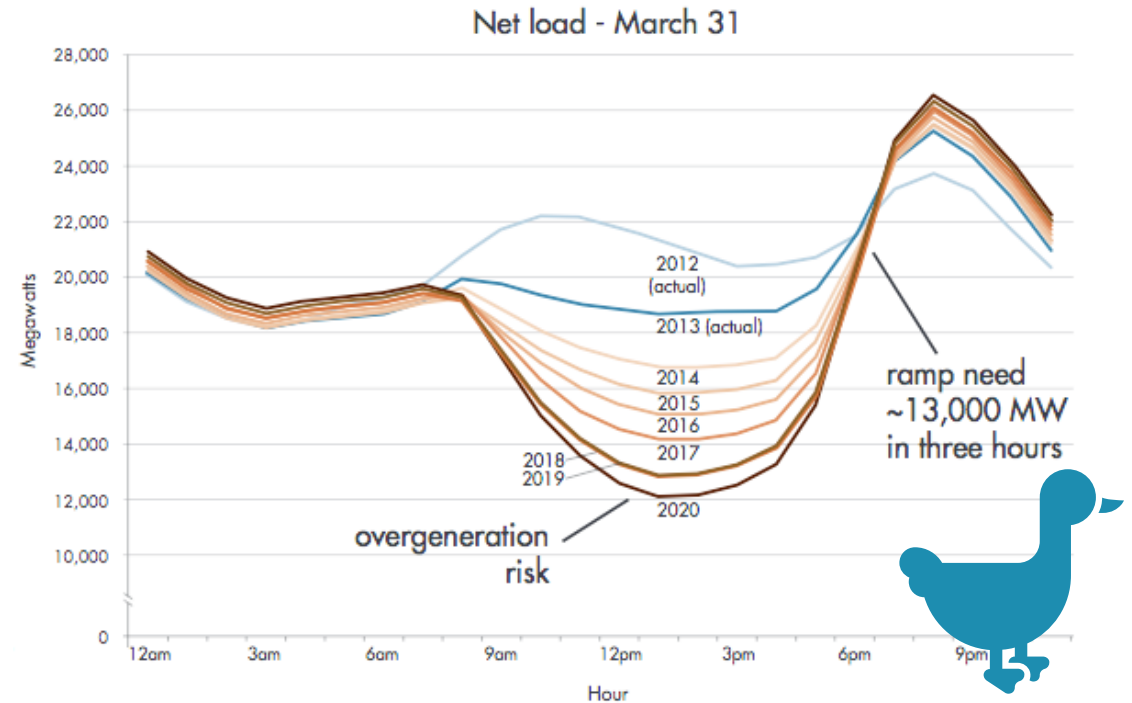


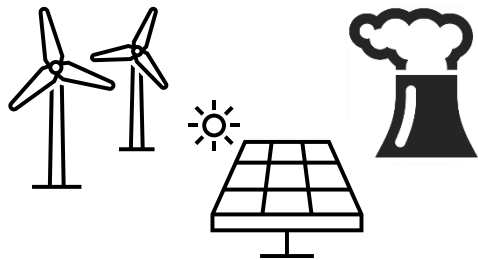


manages the public distribution grid
decides on grid investments
collects tariffs for grid use (regulated monopoly)

! demand and supply peaks (RES + behaviour)
! electrification (HP + EV)

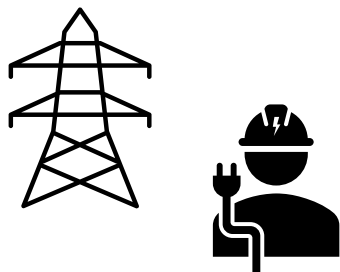
➤ local congestion





Production & Trading

Competitive



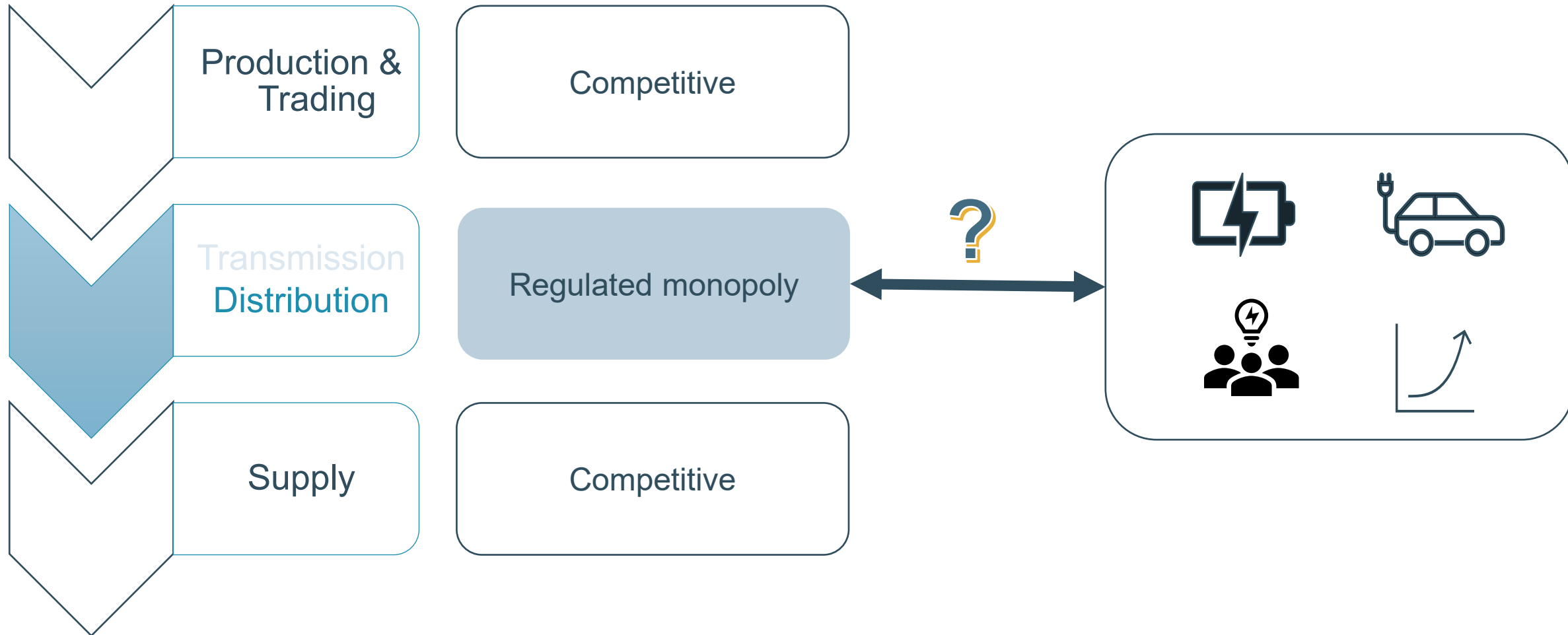
Transmission
Distribution

Regulated monopoly



Supply

Competitive



Unbundling

Vertical

Horizontal

Strict sense e.g. EV and energy storage

principle: competitive, but DSO as transition

Broad sense

networks: OK (gas, water, sewage...)

other activities: if necessary and permitted by regulator

>< systems integration?

Energy data management

	Third-party access	Energy Data Access
Who? personal scope	all customers	eligible parties?
How? conditions and procedures	objective non-discriminatory	efficient and secure non-discriminatory simultaneously? easy transparent publicly available procedures
How? charges	charges (or methodologies) approved and published prior to entry into force by regulatory authorities cost-reflective, transparent, non- discriminatory	charges set by MS; checked by regulatory authorities no additional costs to final customers reasonable and duly justified for eligible parties

Flexibility services

Market-based procurement

Level playing field for new actors (demand response, storage, efficiency)

Exceptions possible, then mandatory
(remuneration?)



neutral market facilitator

extended 'horizontal' unbundling
no storage, no EV charging
only activities 'necessary to fulfil obligations'

data management

market-based procurement of flexibility

Take into account peer-to-peer trading