



Short-term dispatch and Long-term financing

Discussant Comments

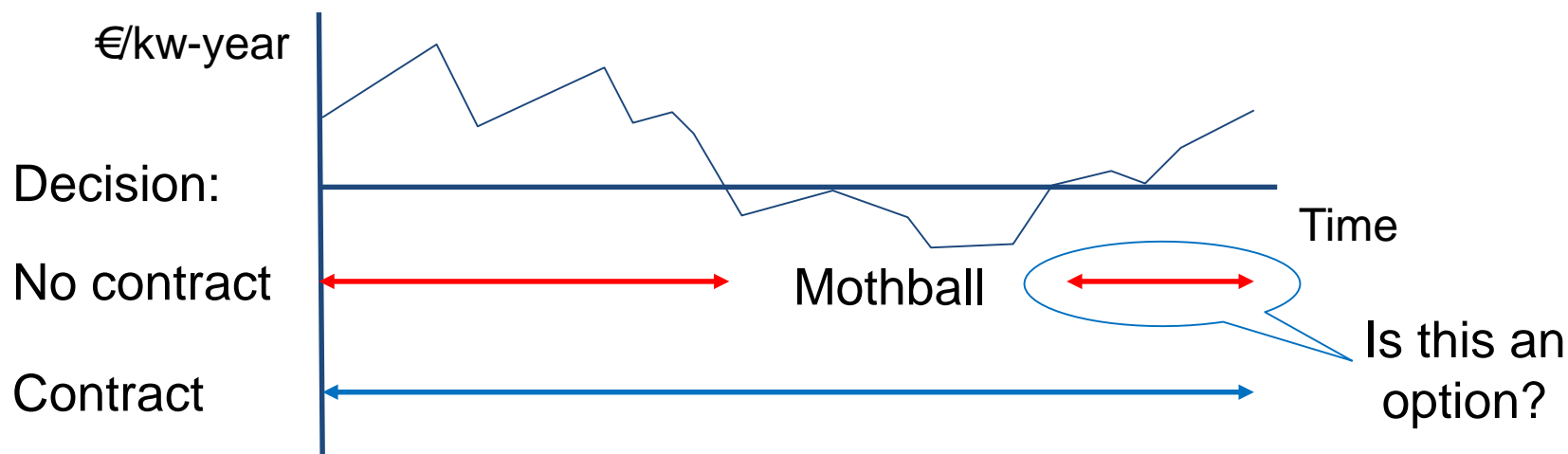
Richard Green

22 June 2021

Designing capacity mechanisms

Leopold Monjoie

- Capacity gives you real options
- Contracts may reduce these



- Bid a compensating price for the loss of flexibility?

Market design of hybrids

Miguel Vazquez

Forward
Energy

Capacity

Obligation
to Serve

“Pure”
Market

Energy
PPA

Capacity
Payment

On whom?

Energy &
Ancillary
Services

Capacity
Market

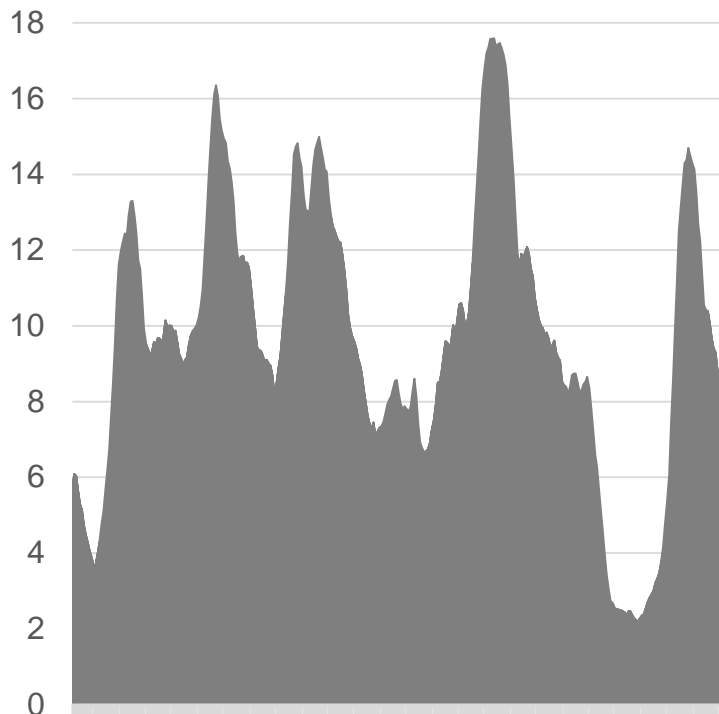
How met?

Reliability
Option

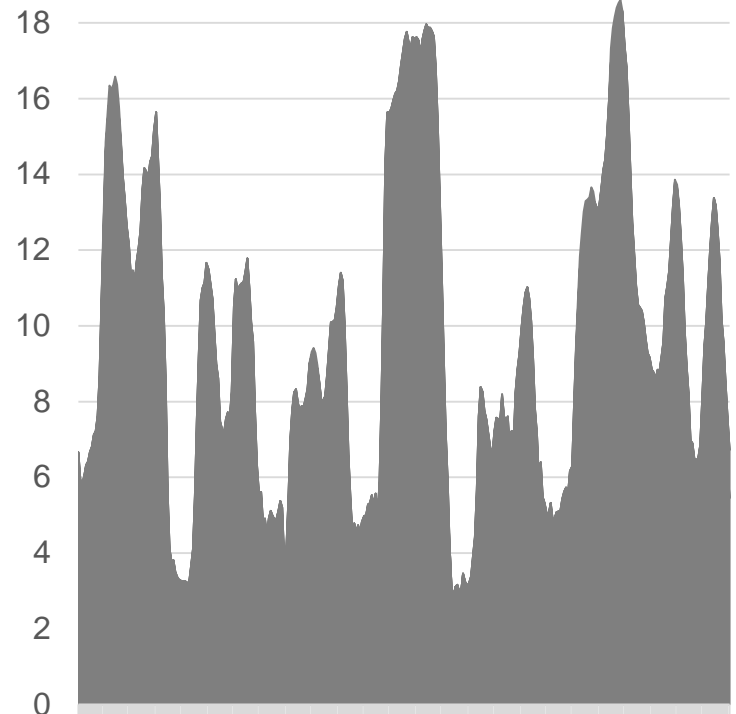
Variable Generators

Coal, Gas and Oil, versus Wind and Solar

GW



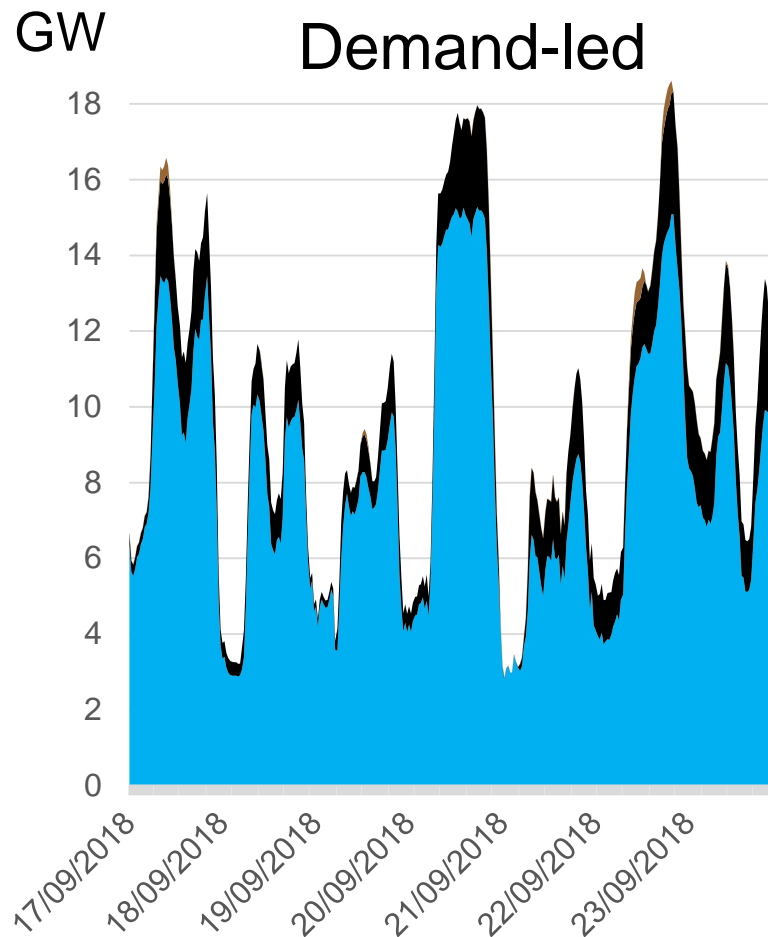
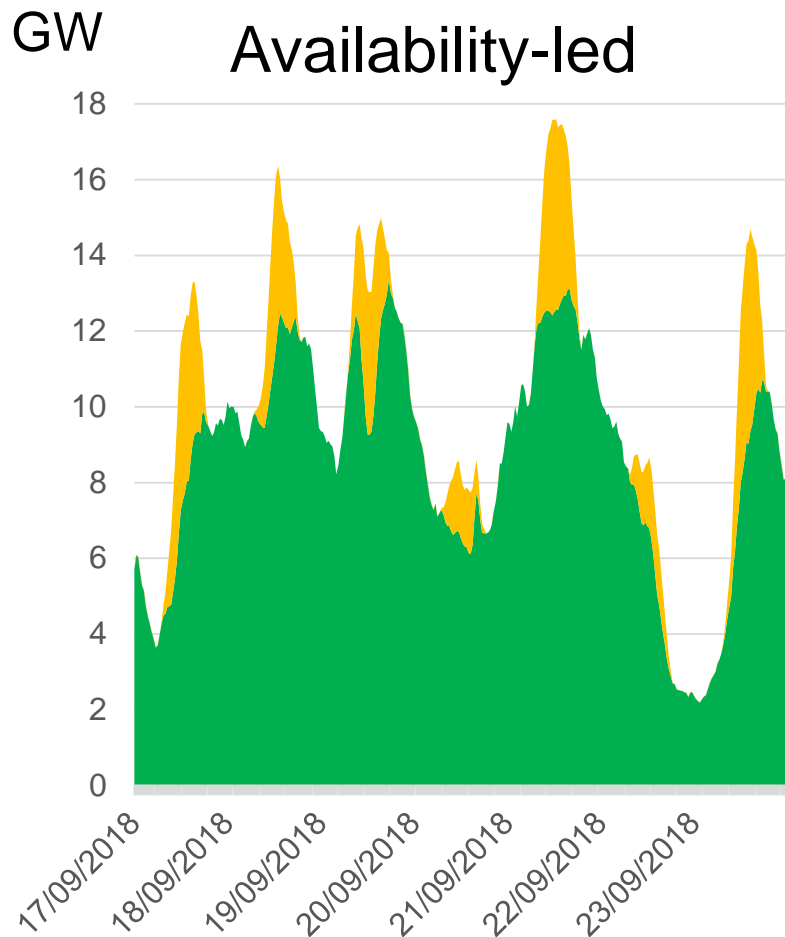
GW



...but which is which?

Variable Generators (x2)

Wind and Solar versus Coal, Gas and Oil





What are the risks?

(in the market)

- Demand and weather fluctuations
 - short-term contracts (e.g. one year)
- Over-capacity suppressing prices
 - market “should” self-correct
- Capture value erosion
 - cannot be hedged
- Peak price suppression (missing money)
 - cannot be hedged
- Fuel prices setting power prices
 - hybrid markets need hybrid markets?

What are the risks?

(from low-carbon contracts)

- Fixed-cost generators face lower risks
 - Cost of capital lower, price might be
- Consumers face less volatile bills
 - Generation costs partly de-linked from fossil prices
- “Bungling bureaucrat” signs the wrong contracts
 - Profit margins too high
 - Too much capacity commissioned
 - Promising technologies ignored



Thank you