

Energy rules and business cases

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2020

14% RES= 30% RES in electricity = 20-25% fluctuating RES in electricity

2030

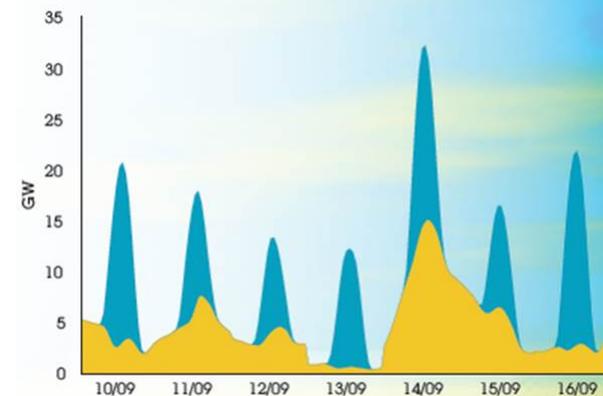
50% electricity from fluctuating RES



Value/businesscases of EV

- › Flexibility markets
 - › Product market electricity (supply/demand)
 - › Services to DSO/TSO

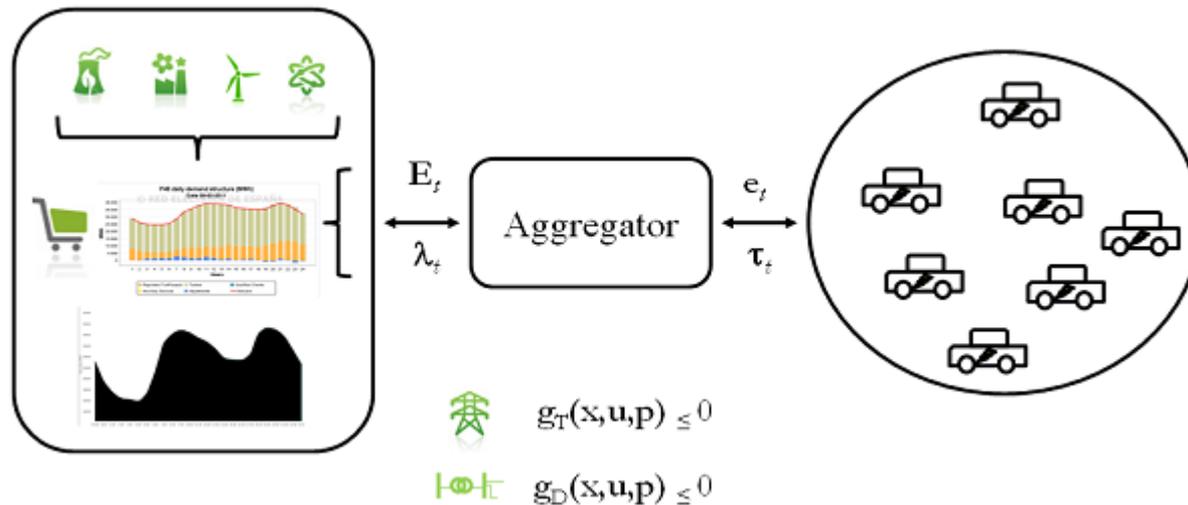
Variation of wind and solar PV power generation, Germany, 10-16 September 2012



Source: unless otherwise stated, all material in figures and tables derives from IEA data and analysis; European Energy Exchange (EEX).

Policy Measure 1: open product market electricity

- ▶ Enable small consumers of electricity and/or their aggregators to sell their flexibility into the relevant markets (APX/Intrady/Unbalance) and to other parties



Policy Measure 2: DSO/TSO

- › Enable small consumers of electricity and/or their aggregators to deliver services to DSOs/TSOs against a retribution
 - › Fluctuating transport tariffs
 - › Retribution for ancillary services
- › Requires new system of transport tariffs



(Source: Pike Research)

Changing the regulatory system



Policy Measure 3: Allow experiments with shared energy systems

- › Apartment blocks/districts
- › Mutual trade in electricity, flexibility and energy
- › Shared infrastructures
- › Developing alternatives to net metering

