

New business models and the “Clean Energy for All Europeans” package

Digital Solar & Storage

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Positive market design elements for Solar & Storage

Elements that support the uptake of solar & storage – consumer empowerment

Maximum asset monetization



- > RES, DR & new technologies in **all markets & timeframes**
- > Products with **minimum bid sizes of 1 MW or less** that allow for participation of (aggregated) small-scale solar & storage
- > **Creation of “local flexibility markets”**
- > **Clear roles of TSOs & DSOs** regarding the ownership of storage
- > Removal of maximum limit of wholesale electricity prices

Right to self-generate, sell and store electricity



- The consumers right:
- > for a **dynamic price contract and a smart meter**
 - > to **generate, store, consume and sell self-generated electricity in all organized markets, individually or via aggregators**

Market design elements we need to improve

New rules must reflect the capabilities of solar & storage

„Stacking of services“

“Free movement of kWh“



- > Solar & Storage shall be **allowed to provide several services simultaneously** e.g. self-consumption and ancillary services
- > Regulation shall ensure that **grid and other fees are levied only once on every kWh** fed into the grid, but not again if that kWh is stored and then fed back to the grid

„Storage can absorb and release energy when required“



- > Storage shall be **free of taxes, surcharges, fees, etc. usually levied on the consumption of electricity**
- > Storage shall be **free of licensing requirements and costs, etc. levied on traditional generation assets**

„Fair consumer metering costs“



- > Consumers shall be **free of unreasonable costs for metering or billing** services from DSOs and TSOs

Renewable Energy Directive – Aligned with Trends

Art.4: Financial Support for RES

- > Respond to market signals
- > Take into account supply & demand as well as grid constraints

Art.22: Energy communities

- > Generate, consume, store and sell RES, including through PPAs

- Advanced Monitoring of Small Scale PV Installations
- Community Solar
- Energy from your Neighbour
- Solar Powered Cars
- Satellite Data

- > Each MS shall increase the RES share in H&C by at least 1 percentage point every year

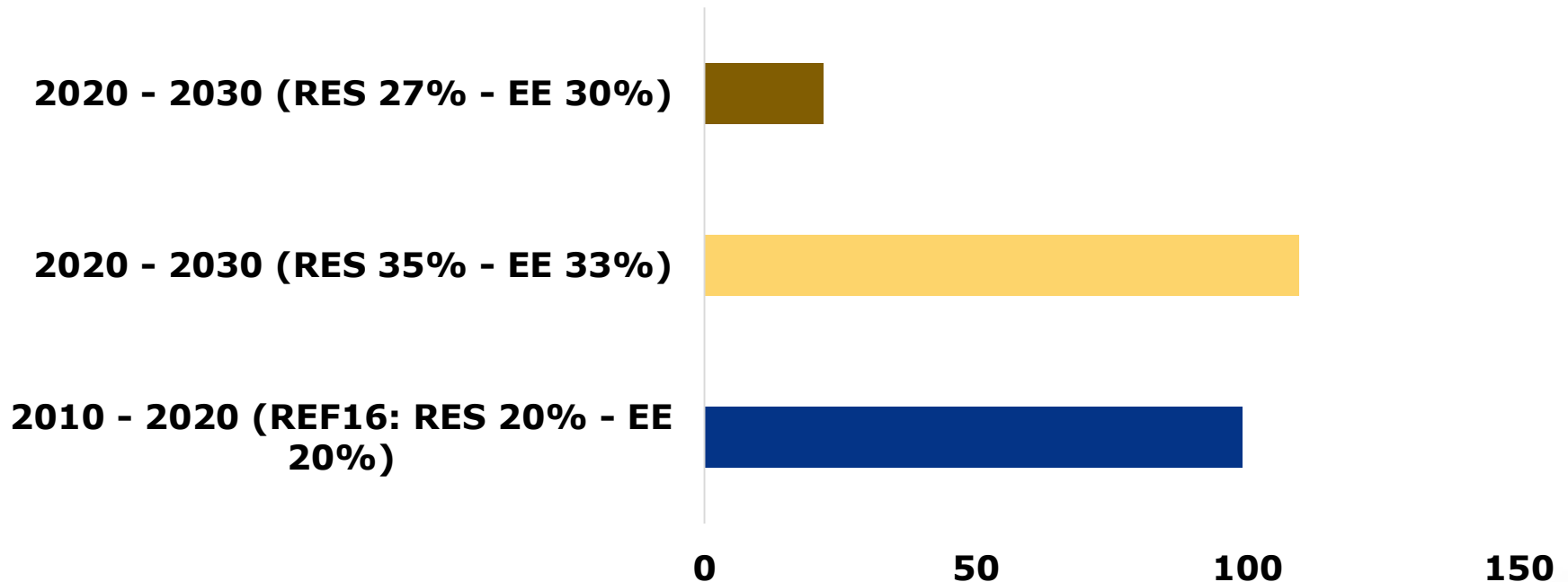
Art.23: Mainstreaming RES in H&C

- > Include a minimum share of RES-electricity in the total amount of transport fuels*

Art.25: RES in transport

The 2030 RES target to be set at 35%

RES in gross final energy consumption (mtoe) under different scenarios



A 35% RES TARGET WOULD MAINTAIN OUR LEVEL OF AMBITION.

Source: SolarPower Europe calculations. Data based on Commission projections performed in 2013 and REF16 scenario

QUESTIONS?

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