Good practices in wind energy auctions

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Cost reductions

Source: WindEurope
Good practices

- Clarity of design & consultation with industry
- Adequate prequalification criteria

Revenue stabilisation
- Price floors (e.g. Spain)
- Balance between market exposure and investment risk (e.g. UK)

Technology-specific
Auction design matters: offshore in NL

**Technology neutral**
2009-2014: Zero offshore wind projects

**Technology specific**
2016: Borssele 3&4
€54.5/MWh

Consider market maturity and technical characteristics (e.g. cost, size, risk profile, project lead time)
Wind power across Europe

160 GW
10.4% of 2016 EU power demand

GW installed
Penetration
The road to 2020

204 GW
16.5% of EU power demand

Wind Europe
The road to 2030
What is at stake?

1. Energy infrastructure deployment
2. Renewable energy cost reduction
3. Technology innovation
4. System reliability
5. Jobs and growth
Annual deployment of offshore wind

Projection based on real project data and firm government commitments

For presentation clarity, countries with deployment below 100 MW are not included here.

Source: WindEurope
Project development timeline

Development:
- Offshore: 3-5 years
- Onshore: 2-5 years

Pre-construction:
- 2-4 years

Construction:
- 2 years

Support allocation

FID: Final investment decision
System reliability

Monthly production values of wind and solar (Spain, 2015)

Source: WindEurope
Clean Energy Package priorities

- 3 years visibility for renewables support
- Clear and ambitious National Energy and Climate Action Plans
- Clear design rules for RES support mechanisms including technology specific tenders
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