



The future role of gas

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Messages from EU Policy makers



Energy Roadmap 2050:

“Gas is a transition fuel; RES is the future; let’s invest in RES!”

Energy Infrastructure Package

“We need large amounts of Energy Infrastructure; let’s invest in gas infrastructure!”

EU Regulation on Security of Supply

“We need to secure our gas supplies; let’s invest on gas infrastructure!”

Third Energy Package

We have to remove energy islands, we have to integrate markets, we have to complete the internal energy market; let’s invest in gas infrastructure!

Energy Framework 2030

Apart from CO₂ targets, only RES and EE deserve targets for 2030; let’s invest in RES!

Industrial Policy for the EU

Energy System must contribute to increase competitiveness; The risk of carbon leakage must be taken into account! → Gas can help!

↪ **Is this a coherent approach?**

1. Target for more RES

2. More volatility in

- power production
- CCGTs utilisation
- Prices and Flows
- Gas infrastructure utilisation

3. Target for higher EE

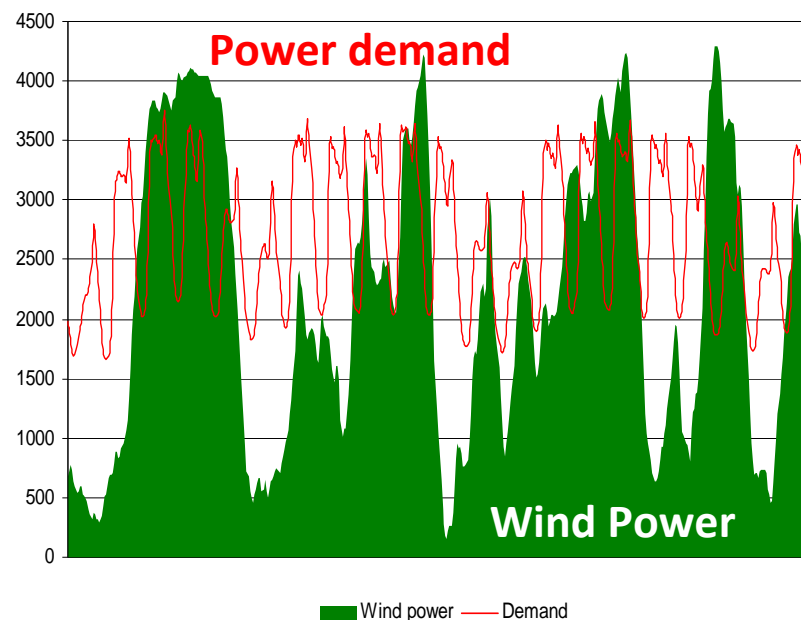
4. Target for less CO₂ emissions

5. More market integration and completion of the IEM

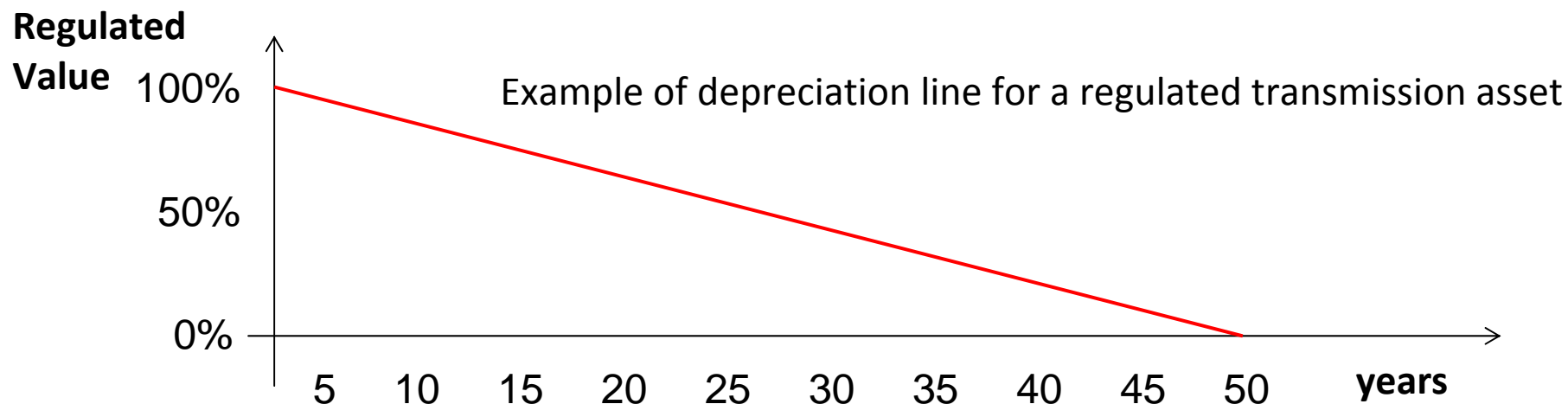
6. Development of technologies will play a key role

➡ Future role of gas in the long-term conditioned to the development of gas technologies (CCS, Green Gas, Power to Gas, etc.)

Denmark's Outlook - 2020



The future of gas infrastructure is also linked to the future of gas



Gas infrastructure is a long-term capital intensive business with pay-back periods of 40-50 years.

Just today we are building the infrastructure which will be used in 2050 and beyond

➡ To promote investments, a clear, positive and stable future energy framework is crucial!

Gas will remain an important energy carrier for decades to come



	Britned (NL-UK) Power Cable	BBL (NL – UK) Gas Pipeline
Length	235 km	260 km
Budget	600 M€	550 M€
Capacity (NL→UK)	1 GW	20 GW



**8 power
transmission masts
of 3 GW each are
equal to 1
underground gas
pipeline
(1.2 m diameter)**

Transport of energy via the well-developed natural gas infrastructure offers the most efficient and cost-effective solution with the lower visual impact.



Europe is moving towards more RES and lower CO₂ emissions, but we need gas and gas infrastructure to integrate RES, to complete the IEM, to ensure EU's competitiveness and growth, to secure our energy supplies, etc.

→EU should have a coherent view about the future of gas not only for the short/medium term, but also for the long term.

→EU should also have a coherent view about the future of gas infrastructure for the long term

→EU needs to take into account affordability and competitiveness

→Gas related technologies have to be supported/promoted

Gas infrastructure assets in Europe have a value more than **500 bEUR*** and can be still operational beyond 2050. **We can't afford not to use this asset to move towards a low carbon economy.**

* GIE internal assessment; including transmission, distribution, LNG regasification and underground gas storage



Thank you for your attention.

GIE - Gas Infrastructure Europe
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