

NEP- Deutschland im gesamt- europäischen Kontext NEP 2030 V2019



NETZ
ENTWICKLUNGS
PLAN STROM



Szenariorahmen NEP2030 Version 2019

Einbettung Deutschlands in Europa



- **Abbildung Eingangsdaten europäischer Energiebinnenmarkt wie folgt:**
 - Abbildung des europäischen Erzeugungssystems und Binnenmarktes (konventionelle und erneuerbare Stromeinspeisung) sowie des Verbrauchs nach TYNDP 2018 Szenarien
 - Handelskapazitäten zwischen den Ländern anhand geplanter mit den Nachbar-TSOs abgestimmter Netzausbauvorhaben (TYNDP, RegIP)
- **Vollständige pan-europäische Strommarktmodellierung (volkswirtschaftlicher Ansatz) im NEP**

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Aktueller Stand TYNDP 2018:

- Veröffentlichung Szenario building report TYNDP 2018:
<http://tyndp.entsoe.eu/tyndp2018/>
- ENTSO Gas & Electricity joint scenarios for consultation:
The Networks of transmission system owner for gas and electricity have released their joint set of scenarios for consultation The ENTSOs for gas and electricity have for the first time combined their efforts and expertise to develop scenarios to assist with decision making for future infrastructure investment needs. The Scenario Report is now out for consultation.
- Konsultation dauert vom 2. Oktober 2017 – 11. November 2017

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Scenario		Global Climate Action	Sustainable Transition	Distributed Generation
Category	Criteria	Parameter		
Macroeconomic Trends	Climate action driven by	Global ETS	EU ETS & direct RES subsidies	EU ETS
	EU on track to 2030 target?	Beyond	On track	Slightly beyond
	EU on track to 2050 target?	On track	Slightly beyond	On track
	Economic conditions	High growth	Moderate growth	High growth
Transport	Electric and hybrid vehicles	High growth	Moderate growth	Very high growth
	Gas vehicles	High growth	Very high growth	Low growth
Residential/ Commercial	Demand flexibility	High growth	Moderate growth	Very high growth
	Electricity flexibility	Moderate growth	Stable	Moderate growth
	Gas demand	Reduction	Slight reduction	Reduction
	Electric heat pump	High growth	Low growth	Moderate growth
	Energy efficiency	High growth	Moderate growth	High growth
	Hybrid heat pump	High growth	Moderate growth	Very high growth
Industry	Electricity demand	Stable	Stable	Moderate growth
	Gas demand	Stable	Stable	Reduction
	CCS	Low growth	Low growth	Not significant
	Demand and flexibility	Moderate growth	Low growth	Very high growth
Power	Merit order	Gas Before Coal	Gas Before Coal	Gas Before Coal
	Nuclear	Depending on national policies	Reduction	Reduction
	Storage	Moderate growth	Low growth	Very high growth
	Wind	High growth	Moderate growth	High growth
	Solar	High growth	Moderate growth	Very high growth
	Other bio-energies	Moderate growth	Moderate growth	High growth
	CCS	Not significant	Not significant	Not significant
Non-fossil gas sources	Adequacy	Some surplus capacity	Some surplus capacity	High surplus capacity
	Power-to-gas	High growth	Not significant	High growth
	Bio-methane	High growth	High growth	High growth

Möglicher Rahmen DE im TYNDP 2018:

- Mittleres robustes „bottom-up“-Szenario „Sustainable Transition 2030“ für alle Szenarien
- Bei nur einem EU-Szenario: sichtbarer Effekt der Entwicklungspfade in den Szenarien für DE

Fragen ?



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