

The Upcoming Grid Package – ENTSO-E Priorities



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Introduction to ENTSO-E

500.000 km of transmission lines

520 million citizens

- ENTSO-E, established in **2009**, represents **40 TSOs from 36 countries**
- Represents TSOs at the European level.
- Helps TSOs implement and monitor common rules and EU legislation.
- Enhances cooperation among members



Security of **power system**



Optimal functioning and development of **electricity markets**



Climate-neutrality by 2050



Grids: Europe's Backbone for the Energy Transition

€584 bn

Investment needed by 2030

2 for 1

Every €1 invested saves €2 by
2040

**Grid Package
&TEN-E**

Europe's framework for planning,
permitting, financing, and delivery



Energy Transition and Delivery



Supply Chain & Workforce

Targets by 2030:

150,000 Km Lines

14,000 Breakers

1,900 Transformers

88% Of TSOs face labour shortages



Financing

- ✗ CAPEX needs have tripled
- ✗ CEF (Connecting Europe Facility) budget is not enough

WHAT is BLOCKING DELIVERY?

+50%

Of projects for 2030 still awaiting permits

Permitting



Planning Gaps



- ✗ Misaligned NECPs (*National Energy and Climate Plans*)
- ✗ Slow scenario approval

4 Priorities to Unlock Grid Delivery



**1. Streamline
Planning &
Strengthen
Regional
Coordination**



**2. Accelerate
Permitting**



**3. Facilitate
Investments in
Grid Infrastructure**



**4. Strengthen
Supply Chains &
Workforce**



1. Streamline Planning & Strengthen Regional Coordination



Simplify and improve **TYNDP** and **PCI/PMI** processes.



Make scenario-building more efficient through better alignment and **harmonisation of NECPs**



Keep the current TYNDP framework, which is fit-for-purpose, but continue **targeted improvements**.



Enhance regional cooperation by refocusing **Regional Investment Plans** on:

- Technical analysis of infrastructure **gaps and solutions**.
- **Monitoring** progress of project implementation.



2. Accelerate Permitting



Apply existing EU laws: extend permitting exemptions to grid infrastructure connecting RES.



Simplify environmental law to make permitting procedures more effective and efficient.



Accelerate permitting by:

- Enforcing legal **deadlines**.
- Prioritising **grid-related litigation** in courts.
- Using **one-stop shops** for network permits (where effective at Member State level).



3. Facilitate Investments in Grid Infrastructure

Financing must be affordable



CEF ×5: stronger EU funding, dedicated envelopes for transmission.



EIB & NDB guarantees to de-risk and lower borrowing costs.



Stable, predictable regulation to mobilise private capital.



Voluntary CBCA: flexible, regional, not tied to CEF access.



Fair tariffs: transparent, cost-reflective, protect consumers.



4. Strengthen Supply Chains & Workforce



40% EU-made equipment by 2030 → reduce dependency



Simpler, flexible procurement rules → faster delivery



Careful HVDC standardisation → avoid bottlenecks



Net-Zero Academy for Grids → train the next generation workforce



Conclusion

Without grids, there is no transition.
Without grids, there is no secure and affordable Europe.

