Energy connectivity & current developments in Austria

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Austria’s climate & energy goals

- Climate neutrality by 2040
- 100% renewable electricity by 2030 (national balance)
  - additional 27 TWh of renewable electricity across all technologies
- Phase-out of oil and gas in heating sector (oil: 2035; natural gas: 2040)
- Cars & LDV’s: phase out of combustion engines (EU legislation)
Renewable Energy Expansion Act

- Legal and organisational framework & long-term stable investment climate
- Modernised AT support system for green electricity
- Citizens‘ engagement through energy communities and acceptance of decentralised electricity generation
- Creation of the Austrian Grid Infrastructure Plan
Austrian Grid Infrastructure Plan (ÖNIP)

• Overarching strategic planning instrument.

• Detailed planning remains with responsible authorities & grid operators.

• NIP does NOT designate areas for expansion of renewable energy NOR plan at project level.

• NIP brings together expected energy production, consumption and necessary energy grids.

• Looks at electricity and gas infrastructure in integrated way for the first time.
Austrian Grid Infrastructure Plan (ÖNIP) – Key messages

• AT has high renewable generation potentials. Transmission capacities in electricity sector need to be strengthened though.

• Need for hydrogen infrastructure in gas sector. First step to connect large industrial centres. Existing parallel structures can mainly be used.

• Methane networks’s role must adapt to decreasing demand for methane. At the same time, serve to develop national bio-methane potentials.
Austrian Grid Infrastructure Plan - Process

• 1st draft published on 7 July 2023 and is still open for public consultation until 15 September.

• Based on a series of scientific elaborations that were validated by TSOs and market area manager.

• Number of stakeholders from energy industry, environmental organisations, federal and state government etc. involved.

• NIP will be updated, as the expansion of renewable energy and infrastructure planning is an on-going process.
Thank you for your attention!

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