Energy Community, 15th Gas Forum

“ENTSOG - New role of gas industry in transition to low carbon economy”, 30 September 2020

Jan Ingwersen, General Director
Agenda for Decarbonising Europe’s Gas Grids

**Markets**
- Open access to grids & neutral TSOs
- EU-wide GOs & certificates linked to ETS
- GHG assessment of all energy carriers

**Infrastructure**
- Include EU H2 backbone in TYNDP 2022 to connect clusters
- Interlinked ENTSOG/ENTSO-E Model
- Cross-sectoral infra planning

**TSO’s role**
- Smart TSO services already supporting clusters
- TSOs as owners & developers of H2 infra
- TSOs as essential system integrators for all molecules and with electrons

Gas grids will evolve into the EU’s decarbonised future integrating hydrogen and biogas for Hybrid Energy System
1. Markets: Same principles for H2 & gas

- EU-wide GOs & certification system linked with the ETS
- Market design based on the same principles
- All H2 types to compete on an objective basis from clusters to an integrated market
2. Infrastructure: Delivering Europe’s Future Energy Networks

- Smarter gas quality management services (i.e. new digital tools)
- Methane, Blending and Hydrogen Pathways will coexist and be inherently interlinked
- Include EU H2 backbone in TYNDP 2022 to connect clusters
- Regulatory support for planning of gas grid adaptations for H2 & blends
- ENTSOG – ENTSO-E’s cooperation on Interlinked Model
- Smarter gas quality management services (i.e. new digital tools)
3. Gas TSOs role as Integrators of Energy System

System Integrators
between gas compositions (methane-hydrogen) & energy carriers (molecules & electrons)

Essential service providers
Max. integration & interoperability of renewables & decarbonised gases in the grid

TSO’s role

Infrastructure developers
TSOs to own, plan, build and operate dedicated hydrogen networks

Infrastructure investors
TSOs could play a role in the initial stages of the emerging hydrogen market
ENTSOG’s Next Steps: Stay Tuned

- **Clean Hydrogen Alliance**
  active participation

- **Advisory Panel for the Future Gas Grids**
  establishment of a high-level body

- **Joint TYNDP Advisory Panel**
  establishment of a joint ENTSOG – ENTSO-E Panel

- **Guarantees of Origin**
  continuation of prime mover group

- **Gas quality handling and hydrogen**
  establishment of prime mover group

- **SET-Plan**
  participation to Energy Efficiency in Industry (IWG6)
Thank you for your attention

Jan Ingwersen, General Director

Jan.Ingwersen@entsog.eu

ENTSOG - European Network of Transmission System Operators for Gas
Avenue de Cortenbergh 100, 1000 Bruxelles

www.entsog.eu | info@entsog.eu