

Press Release

ENTSOG and ENTSO-E publish their joint electricity and hydrogen Interlinked Model 2024 progress report for public consultation

(Brussels, 7 May, PR316-24) **ENTSOG and ENTSO-E have today published their Interlinked Model (ILM) 2024 progress report. This report delivers a dual assessment methodology for electricity and hydrogen and includes recommendations for the use of integrated models in the Cost Benefit Analyses of the respective ENTSO-E and ENTSOG Ten-Year Network Development Plans (TYNDPs).**

To reach the decarbonisation objectives set by the European Union, the future energy system is a system based on strong cooperation amongst different energy systems at the transmission and distribution levels. An increasingly integrated system can offer flexibility, allowing more efficient use of energy sources and increased uptake of carbon-neutral energy. In this context, understanding the behaviour of such a system becomes paramount.

Piotr Kuś, ENTSOG General Director, commented, *“This Interlinked Model has progressed so that it is able to test hydrogen, electricity and electrolyser projects using the social economic welfare approach. The ILM 2024 Progress Report contributes to understanding the impact of the energy transition on Europe’s future hydrogen and electricity networks.”*

Gerald Kaendler, Chair of ENTSO-E’s System Development Committee, said *“To achieve EU targets in the most efficient way, it is essential to keep a full energy system perspective, viewing the future energy system as a System of Systems. The ILM is a key instrument in this regard, when assessing the value of infrastructure projects.”*

The first integrated model prepared by ENTSOG and ENTSO-E was the TYNDP 2018 scenarios, which received an opinion from ACER. This was followed by an investigation on interlinkages between methane and electricity sectors, first by Artelys between 2018-2020, then by the Interlinked Model Project Team (joint ENTSOG and ENTSO-E team) between 2020-2022. Today’s publication of the report represents a new milestone for coordinated system planning across sectors, in the context of fulfilling Article 11 of Regulation 2022/869. Article 11(10) of the TEN-E Regulation is amended by the Hydrogen and Decarbonised Gas Package to require ENTSO-E, ENTSOG, and ENNOH to jointly submit to the EC and ACER by 31 October 2025 a

consistent and progressively integrated model that ensures consistency between single sector Cost-Benefit methodologies based on common assumptions.

The Interlinked Model report is available on the ENTSOG website [here](#) and on the ENTSO-E website [here](#).

To participate in the public consultation, please follow the link [here](#). We invite stakeholders to provide feedback until 18 June 2024.

Should you require any further information please contact Ms. Carmel Carey and (ENTSOG.Communications@entsog.eu) and Mr. Franck Dia Wagoum (franck.diawagoum@entsoe.eu)

Editorial notes

- > **The European Network of Transmission System Operators for Gas (ENTSOG)** was founded in line with Regulation (EC) 715/2009 and has played a key role in facilitating integration of the European gas markets, ensuring technical interoperability and providing security of supply by gas infrastructure planning. Looking forward, ENTSOG is contributing to the net-zero decarbonisation by 2050, in particular, by the integration of renewable and low carbon gases via future-proof gas transmission pipelines, in line with the EU energy and climate goals. More information on ENTSOG can be found on our website – www.entsog.eu or contact info@entsog.eu.
- > **ENTSO-E**, the European Network of Transmission System Operators for Electricity, is the **association for the cooperation of the European transmission system operators (TSOs)**. The 40 member TSOs, representing 36 countries, are responsible for the **secure and coordinated operation** of Europe's electricity system, the largest interconnected electrical grid in the world. In addition to its core, historical role in technical cooperation, ENTSO-E is also the common voice of TSOs. More information on ENTSO-E can be found on our website www.entsoe.eu or contact media@entsoe.eu.