

## *Press Release*

### *ENTSOG supplements Marcogaz' study with comment on retrofitting/repurposing gas grids for transport of hydrogen*

(Brussels, 22 November, PR0306-23) **ENTSOG welcomes the recently published report by Marcogaz, called [‘Cost estimation of hydrogen admission into existing natural gas infrastructure and end use’](#). ENTSOG has contributed a supplementary chapter which provides qualitative considerations on retrofitting/repurposing gas grids for the transport of hydrogen blends and 100% hydrogen.**

The gas Transmission System Operators' (TSOs) knowledge of the effect on their assets of introducing hydrogen blends has significantly increased over the past number of years, and this Marcogaz study is a very important additional source of information in this regard. ENTSOG recognises however that in some circumstances, additional measures (even for low hydrogen concentrations) are needed. These include pipeline replacements in some parts, and further considerations to provide a complete costs assessment.

ENTSOG has commented that the protocol for pipeline replacement is dependent on a number of factors, including the:

- requirement to maintain a minimum energy delivery.
- applicable technical rules in each Member State.
- formal suitability (based on standards) of pipelines, subject to applicable rules that differ between Member States.
- economic life of the pipelines established by Member States' regulation.

Further evaluations of the pipelines replacement needs are required to have a full and accurate assessment of the TSO costs incurred to retrofit its system to any scenario of blends, or for repurposing into a hydrogen backbone. Furthermore, in cases of higher hydrogen content, the higher costs are due to larger replacements needs for some TSOs.

Should you require any further information please contact external Communications Manager, Ms. Carmel Carey, at [ENTSOG.Communications@entsog.eu](mailto:ENTSOG.Communications@entsog.eu).

### Editorial notes

- > **About ENTSOG:** The European Network of Transmission System Operators for Gas 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](http://www.entsog.eu) or contact [info@entsog.eu](mailto:info@entsog.eu).