

**Demand assessment report
for hydrogen transmission capacity
at the Isaccea 1/Orlovka interconnection point**

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This report is an assessment of the potential for incremental capacity projects conducted by:

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A. Non-binding Demand indications

Transgaz has launched a non-binding market demand survey on hydrogen capacity demand for interconnection points, in which it invited all the Network Users to fill in the non-binding incremental capacity survey, which was available on Transgaz' website. The period for submission was between 25 July and 1 September 2025. TRANSGAZ has received non-binding demand indication for firm hydrogen transmission capacity at the interconnection point Isaccea 1/Orlovka, between the entry-exit system of TRANSGAZ and the entry-exit system of LLC Gas TSO Ukraine.

Demand requested from Transgaz:

<i>From "EXIT CAPAC- ITY"</i>	<i>To "ENTRY CA- PACITY"</i>	<i>Gas year</i>	<i>Amount [Please indicate unit: (kWh/h)/year</i>	<i>Request is submitted to other TSOs [yes, TSO] or [no] (detailed in-formation shall be provided be- low)</i>	<i>Period when Demand Indica- tion was re- ceived 25.07.2025.- 01.09.2025</i>	<i>Additional Infor- mation (e.g. type of capac- ity, if different from bundled firm freely allocable)</i>
<i>Ukraine</i>	<i>Romania</i>	<i>2029/30- 2046/47</i>	<i>79 900 (2029/30..2033/34) 159 800 (2034/35..2038/39) 400 000 (2039/40..2045/46) 1 200 000 (2046/2047)</i>	<i>Yes</i>	<i>25.07.2025.- 01.09.2025</i>	<i>-</i>

B. Demand assessment

Transgaz conducted this market survey procedure in the above mentioned period and gave network users the opportunity to submit non-binding demand indications referred to future prospective hydrogen transmission IP to quantify potential demand for incremental capacity.

The Demand Assessment Phase commenced immediately after the non-binding market survey closed.

i. Historical usage pattern

Isaccea 1/Orlovka hydrogen interconnection point (IP) is not an existing network point hence the historical usage pattern here is not available.

ii. Results of current annual yearly auction

Currently there is no regulation related to hydrogen demand survey.

iii. Relations to TYNDP, NDPs

The project for the upgrade of the Negru Vodă - Isaccea pipeline for hydrogen transmission is included in the 2024-2033 National Natural Gas Transmission System Development Plan, under the section " Gas transmission infrastructure repurposing projects for hydrogen transmission."

The project will support energy security and diversification of energy sources by facilitating access to the hydrogen transmission system and the export and import of hydrogen.

iv. Expected amount, direction and duration of demand for incremental capacity

Transgaz has received the above mentioned non-binding capacity indications in 2025 according to point A.

C. Next steps and provisional timeline

Conclusion for the next steps. TRANSGAZ will study further the RO/UA hydrogen interconnection and the activities on establishing RO/UA hydrogen interconnection will continue.

For the time being, no incremental capacity projects will be initiated.

Transgaz will work further with the submitted demand.

The next incremental capacity study will start after the 2027 annual capacity auction.

D. Contact information

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