



**Demand assessment report
for incremental capacity
between *Polish gas transmission system*
and *Ukrainian gas transmission system***

2023-10-23



This report is a joint assessment of the potential for incremental capacity projects conducted by



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A. Non-binding Demand indications

The transmission system operators GAZ-SYSTEM and LLC “Gas Transmission System Operator of Ukraine” have received non-binding demand indications for firm capacity at the interconnection points between the entry-exit system of GAZ-SYSTEM (Poland) and the entry-exit system of LLC “Gas Transmission System Operator of Ukraine” (Ukraine) for future periods as presented below.

Indications submitted for each TSO are equal and were submitted on both sides of the entry-exit system border.

All indications were provided no later than 8 weeks after the start of the incremental capacity process, so by 28 August 2023.

Non-binding demand indications received after the deadline referred to in Art. 26 paragraph 6 of Regulation (EU) 2017/459 will be considered in the next Market Demand Assessment report.

The following **aggregated non-binding demand indications** received by GAZ-SYSTEM for firm capacity have been used as a basis for this demand assessment:

From [entry-exit system name] “EXIT CAPACITY”	To [entry-exit system name] “ENTRY CAPACITY”	Gas year [yyyy]	Amount [(kWh/h)/y]	Request is submitted to other TSOs [yes, TSO] or [no] (detailed information shall be provided below)	Date when Demand Indication was received* [please include the period according to the numbers 1) - 3)]	Additional Information
Poland	Ukraine	2029/2030 - 2044/2045	4 181 250	yes	2	

* As some of indications were submitted by the market in m³/h, GAZ-SYSTEM used an assumed energy content for 1 m³ of natural gas of 11.15 kWh.

* The following standardised period shall be used for indicating the receiving date of the demand indication:

- 1) later than eight weeks after the annual yearly capacity auction in the previous incremental capacity cycle, that have not been considered previously;
- 2) within eight weeks after this year’s yearly capacity auction (0 – 8 weeks after yearly auction in year);
- 3) later than eight weeks after this year’s yearly capacity auction, but that will be considered in this incremental capacity cycle (9 – 16 weeks after yearly auction in year).

The following **aggregated non-binding demand indications received by LLC “Gas Transmission System Operator of Ukraine”** for firm capacity have been used as a basis for this demand assessment:

From [entry-exit system name] “EXIT CAPACITY”	To [entry-exit system name] “ENTRY CAPACITY”	Gas year [yyyy]	Amount [(kWh/h)/y]	Request is submitted to other TSOs [yes, TSO] or [no] (detailed information shall be provided below)	Date when Demand Indication was received* [please include the period according to the numbers 1) - 3)]	Additional Information
Poland	Ukraine	2029/2030 - 2044/2045	4 181 250 ¹	yes	2	

* As some of indications were submitted by the market in m³/h, LLC “Gas Transmission System Operator of Ukraine” used an assumed energy content for 1 m³ of natural gas of 11.15 kWh.

* The following standardised period shall be used for indicating the receiving date of the demand indication:

- 1) later than eight weeks after the annual yearly capacity auction in the previous incremental capacity cycle, that have not been considered previously;
- 2) within eight weeks after this year’s yearly capacity auction (0 – 8 weeks after yearly auction in year);
- 3) later than eight weeks after this year’s yearly capacity auction, but that will be considered in this incremental capacity cycle (9 – 16 weeks after yearly auction in year).

¹ Assumed gross calorific value 11.15 kWh/m³ (0/25)



B. Demand assessment

Based on the received demand indications, which can be seen as aggregated values in chapter A, incremental capacity is requested between the entry-exit system of Poland and Ukraine in direction from Poland to Ukraine.

The existing interconnection between Poland and the Ukraine (GCP GAZ-SYSTEM/UA TSO) towards UA enables physical flow towards Ukraine in the amount of 2 825 000 kWh/h under the interruptible conditionally firm basis. The offered capacity is variable depending on the summer and winter periods (1 May to 31 August and from 1 September to 30 April).

i. Historical usage pattern

Historical usage pattern at IP GCP GAZ-SYSTEM/UA TSO (towards UA) may be found directly and up to date:

- on the GAZ-SYSTEM's website: <https://swi.gaz-system.pl/swi/public/#!/ksp/actualQuantity?lang=en>
- on the LLC "Gas Transmission System Operator of Ukraine" website: <https://tsoua.com/en/transparency/test-transparency-platform/>
- on the ENTSOG Transparency Platform: <https://transparency.entsog.eu/#/points/data?from=2014-10-01&indicators=Allocation%2CPhysical%20Flow&points=pl-tso-0002itp-10008exit%2Cua-tso-0001itp-10008entry>

ii. Results of current annual yearly auction

Capacity at the IP GCP GAZ-SYSTEM/UA TSO (towards UA) has not been allocated at the last yearly auction on the Polish and Ukrainian side.

Auctions results may be found on the GSA Platform webpage: <https://gsaplatform.eu/>



iii. Relations to GRIPs, TYNDP, NDPs

The Polish-Ukrainian Interconnection

The project is not included in either ENTSOG TYNDP 2022 or NNDP of Poland 2022-2031.

The project was a part of the Network Development Plan of LLC “Gas Transmission System Operator of Ukraine” on 2023 – 2032.

- Project name “Reconstruction of CS Komarno”.

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

The amount, direction and duration of the received demand for incremental capacity are presented in chapter A. Taking into account that currently there is no existing firm capacity between the entry-exit system of Poland and Ukraine in the requested direction from Poland to Ukraine as well as considering information provided in chapter B, an assessment of the submitted demand for incremental capacity is necessary.

The assessment will be conducted by analysing the existing interconnection point (flow at IP GCP GAZ-SYSTEM/UA TSO) as well as the parameters together with a technical analysis of the potential needs for an extension or construction of a new natural gas infrastructure in Poland and Ukraine.

C. Conclusion for the (non)-initiation of an incremental capacity project/ process

Based on the evaluation of the received non-binding demand indications as presented in chapter A, **an incremental capacity project will be initiated.**

Therefore, in the upcoming design phase the affected TSOs will conduct technical studies based on the expected demand for incremental capacity in line with the considerations made in paragraph B. iv.

D. Provisional timeline

The involved TSOs plan to conduct the technical studies according to the following provisional timeline:

Provisional timeline
12 weeks for design phase and preparation of consultation documents
Publication of consultation documents
1-2 months for public consultation
Submission of the project proposal to NRAs
6 months period for national regulatory authorities to publish coordinated decisions on the project proposal
Publication of the approved parameters by NRAs and of a template of the contract(s) related to the capacity to be offered
Yearly capacity auction/economic test

The timeline has a provisional character and might therefore be subject to changes.



E. Interim arrangements for the auction of existing capacity on the concerned IP(s)

Not applicable.

F. Fees

Fees were not introduced during the non-binding market demand indications phase.



G. Contact information



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