

Demand assessment report regarding hydrogen transmission on IP Ceršak

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A. Non-binding Demand indications

The transmission systems operator Plinovodi conducting this market demand assessment report gave network users the opportunity to submit non-binding demand indications to quantify potential demand referred to hydrogen transmission. The period for submission the demand indications on the Slovenian entry-exit system was from 7 July to 1 September 2025.

During this period Plinovodi did not receive any non-binding demand indications of non-binding demand for firm unbundled capacity referred to hydrogen transmission per Ceršak Entry IP in direction from Austria to Slovenia and Ceršak Exit IP in direction from Slovenia to Austria.

B. Demand assessment

The received demand indications on the border between the Slovenian entry-exit system and the Austrian entry-exit system are zero, meaning that no capacity levels need to be developed, no capacity project will be initiated. Based on the aforementioned decision, no technical studies for capacity projects will be conducted.

Plinovodi have also developed projects regarding the interconnection point Murfeld/Ceršak and included them in their National NDPs and ENTSG TYNDP.

Project HR-SI-AT H2 corridor (“Project”) is a part of ENTSG TYNDP 2024 and involves repurposing of the existing natural gas main pipeline for use with hydrogen. Repurposed pipeline will allow transport of natural gas - hydrogen blends as well as pure hydrogen. Parallel natural gas counterparts of repurposed main pipeline will remain in function as natural gas pipelines. Repurposed pipeline will be connected with planned new hydrogen ready pipelines and together they will enable hydrogen transit between all neighbouring countries. This Project is a crucial part of the hydrogen network, which would enable hydrogen transit across Slovenian territory and hydrogen supply to Slovenia from approximately 2035 onwards. The Project will establish two new hydrogen IPs: Austria (Murfeld)- Slovenia (Ceršak) and Croatia (Rogatec)- Slovenia (Rogatec).

Murfeld/Ceršak interconnection point (IP) is currently used only for transmission of gas.

Further Market Demand Assessment will be performed periodically depending on TSOs’ decision.

C. Conclusion

According to the assessment result of the non-binding demand indications under point B, no capacity project will be initiated. Based on the aforementioned decision, no technical studies for capacity projects will be conducted, however both TSOs will continue to develop the Project in line with their National NDPs and ENTSOG TYNDP.

D. Contact information

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