



**Demand assessment report
for incremental capacity
between *Plinovodi d.o.o.* and *Plinacro Ltd.***

July 2017

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

Plinovodi d.o.o.

Plinacro Ltd.

transmission and sales of natural gas

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A. Non-binding Demand indications

Slovenian and Croatian entry-exit systems are connected at IP Rogatec.
Capacity is offered and is used in the direction from Slovenia to Croatia.

Technical capacity on the Slovenian side is 68.584.296 kWh/d

Technical capacity on the Croatian side is 53.700.333 kWh/d

Relevant data are published on associate web sites: www.plinovodi.si; www.plinacro.hr

The following **aggregated non-binding demand indications** 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/yy]	Amount [Please indicate unit: (kWh/h)/y or (kWh/d)/y]	Request is submitted to other TSOs [yes, TSO] or [no] (detailed information shall be provided below)	Period when Demand Indication was received* [please include the period according to the numbers 1) - 3)]	Additional Information (e.g. type of capacity, if different from bundled firm freely allocable)
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2019/2020</i>	<i>11,880,000 kWh/d</i>	<i>Yes</i>	<i>3*</i>	<i>LNG Krk</i>
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2020/2021</i>	<i>11,880,000 kWh/d</i>	<i>Yes</i>	<i>3*</i>	<i>LNG Krk</i>
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2021/2022</i>	<i>11,880,000 kWh/d</i>	<i>Yes</i>	<i>3*</i>	<i>LNG Krk</i>
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2022/2023</i>	<i>11,880,000 kWh/d</i>	<i>Yes</i>	<i>3*</i>	<i>LNG Krk</i>
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2023/2024</i>	<i>11,880,000 kWh/d</i>	<i>Yes</i>	<i>3*</i>	<i>LNG Krk</i>

* 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).

*Croatian TSO has received the non-binding capacity requests "in time" (2) and Slovenian TSO has received the request after the period defined in paragraph 6 Article 26, Regulation 2017/459 (3).

In addition to the above listed capacities, the Croatian transmission system operator has received additional non-binding capacity request in direction SI-HR and in the direction HR-SI as stated in the following table. These non-binding requests shall be taken into consideration in this DAR pursuant to the paragraph 7 of the Article 26, Regulation 2017/459.

Indicative demand submitted to Plinacro

Rogatec (HR>SI)

From [entry-exit system name] “EXIT CAPACITY”	To [entry-exit system name] “ENTRY CAPACITY”	Gas year yyyy/yy	Amount (kWh/h)/y	Request is submitted to other TSOs [yes, TSO] or [no] (detailed information shall be provided below)	Period when Demand Indication was received* [please include the period according to the numbers 1) - 3)]	Additional Information (e.g. type of capacity, if different from bundled firm freely allocable)
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2018/19</i>	1.100.023	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2019/20</i>	1.100.023	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2020/21</i>	1.100.023	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2021/22</i>	1.435.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2022/23</i>	1.435.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2023/24</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2024/25</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2025/26</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2026/27</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2027/28</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2028/29</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2029/30</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2030/31</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2031/32</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2032/33</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2033/34</i>	940.687	<i>Some yes, some no</i>	2	--
<i>Plinacro</i>	<i>Plinovodi</i>	<i>2034/35</i>	940.687	<i>Some yes, some no</i>	2	--

The following table shows the **non-binding demand indications**, where a **condition** was attached by the network users:

From [entry-exit system name] “EXIT CAPACITY”	To [entry-exit system name] “ENTRY CAPACITY”	Gas year [yyyy/yy]	Amount [Please indicate unit: (kWh/h)/y or (kWh/d)/y]	Request is submitted to other TSOs [yes, TSO] or [no] (detailed information shall be provided below)	Conditions** [please include the letter(s) a) to c) and describe the conditions in more detail below]	Period when Demand Indication was received* [please include the period according to the numbers 1) - 3)]	Additional Information (e.g. type of capacity, if different from bundled firm freely allocable)

* 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 standardised terminology shall be used for describing the conditions:

- a) commitments linking or excluding commitments at other interconnection points;
- b) commitments across a number of different yearly standard capacity products at an interconnection point;
- c) commitments conditional on the allocation of a specific or minimum amount of capacity;
- d) other (**depending on the realization of Krk LNG Terminal**).

Elaboration of conditions

Demands are mostly connected to the realization of the LNG Terminal Krk, some of them put notice that demands for the longer period of gas years shall be discussed.

B. Demand assessment

i. Historical usage pattern

The capacity in the direction HR-SI, for which the incremental DI has been received, has not been offered so far, so there are no historical data.

SI-HR: demand for capacity has been received, which does not include incremental capacity.

ii. Results of current annual yearly auction

Bundled capacity at the IP Rogatec has been booked for the direction SI-HR for the next Gas year 2017/2018 as published on the websites www.plinovodi.si; www.plinacro.hr

iii. Relations to GRIPS, TYNDP, NDPs

Both TSOs have developed some projects regarding interconnection point Rogatec (listed below)

6.26 Cluster Croatia — Slovenia — Austria at Rogatec, including the following PCIs:

6.26.1 Interconnection Croatia — Slovenia (Lučko — Zabok — Rogatec)

6.26.2 CS Kidričevo, 2nd phase of upgrade (SI)

6.26.3 Compressor stations at the Croatian gas transmission system

6.26.5 Upgrade of Murfeld/Ceršak interconnection (AT-SI)

6.26.6 Upgrade of Rogatec interconnection

Both companies added their projects to the National TYNDP, ENTSG TYNDP and GRIPs

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

Received indicative demands for the direction HR-SI at IP Rogatec are dependant on the new sources of natural gas ie. LNG Terminal Krk, IAP or potential new gas flow in direction HU-HR-SI etc.

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

Based on demands for the incremental capacities received by both TSOs, Plinacro and Plinovodi will continue with activities in the frame of realisation of projects mentioned in point B) iii.

During the first incremental process TSOs noticed that the shippers are lacking skills to enter the procedure and respond properly to the Market Assessment.

D. Provisional timeline

The timeline will follow the requirements of the Article 27, Regulation 2017/459.

Start Date	End Date	Description
27.7.2017		Start of design phase
28.7.2017	18.11.2017	Technical studies
19.10.2017	18.11.2017	Public consultation
tba		Yearly Auction (allocation of 15 years) to be aligned with adjacent TSO

Market Demand Assessment will be, according to the Article 26, Regulation 2017/459 performed on regular basis. Slovenian TSO opt to perform the assessment every year.

E. Fees

For the incremental capacity cycle addressed by this report, involved TSOs did not introduce a fee for the evaluation and processing of non-binding demand indications.

F. Contact information

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