

National Ten-Year Network Development plan of the integrated Natural Gas System 2025

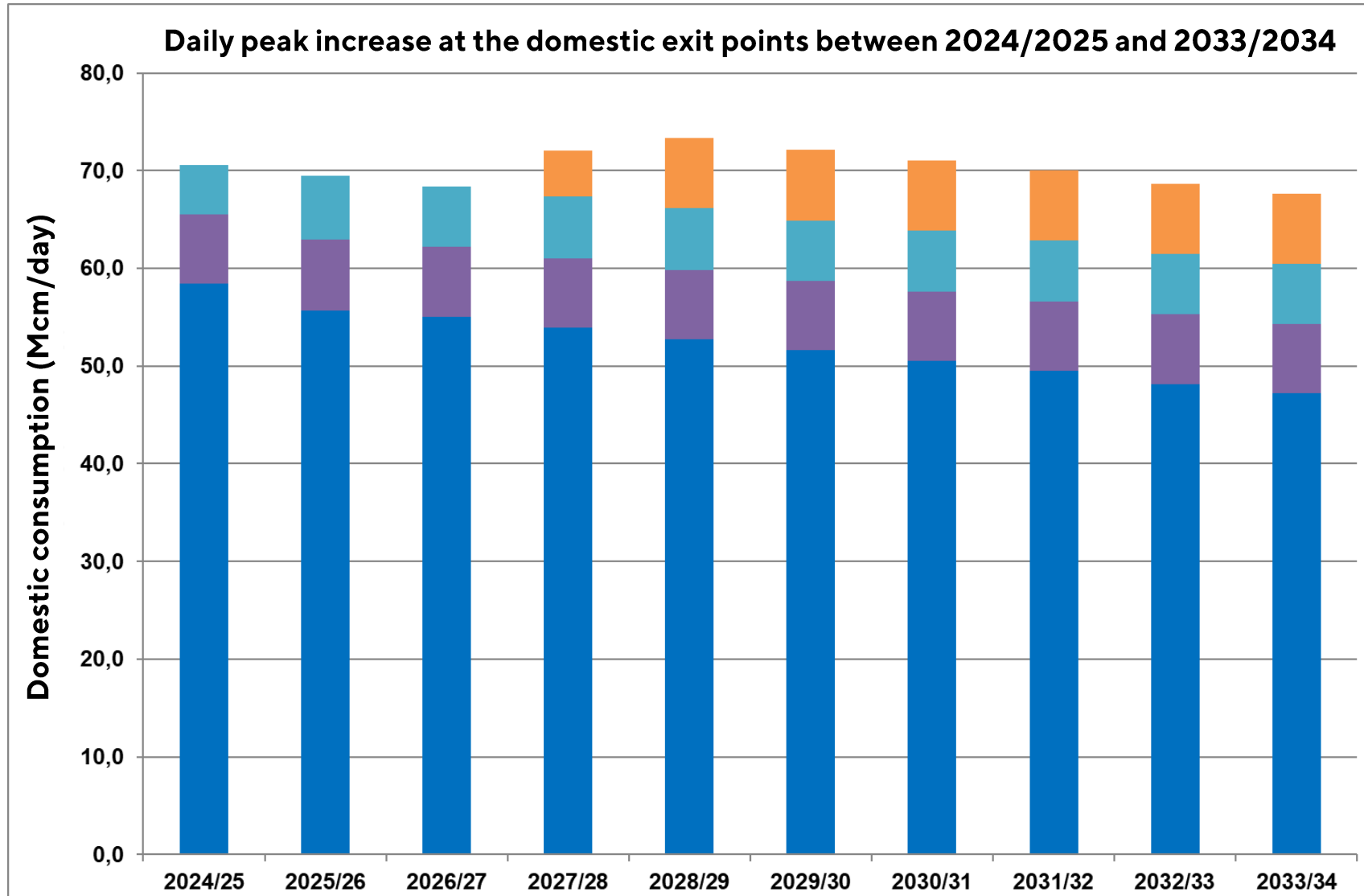


A MOL-CSOPORT TAGJA

Ten-Year Network Development Proposal

- Pursuant to Article 96 § (5) of the Government Decree 19/2009 (I.30.) on the implementation of Act XL of 2008 on Natural Gas Supply (Gas Act) the transmission system operator shall submit its application for approval of the results of the coordinated capacity review pursuant to Article 82 § (2) of the Gas Act and the 10-year network development proposal to the Hungarian Energy and Public Utility Regulatory Authority (hereinafter referred to as the Authority) by 31 May 2025.
- The transmission system operator completed the coordinated capacity revision and submitted it to the Authority for approval on 13 November 2025.
- On 12 February 2025, the Authority issued the [Resolution No. H176/2026](#) on the subject of “Approval of the 10-year development proposal”.

Daily peak demands at the domestic exit points

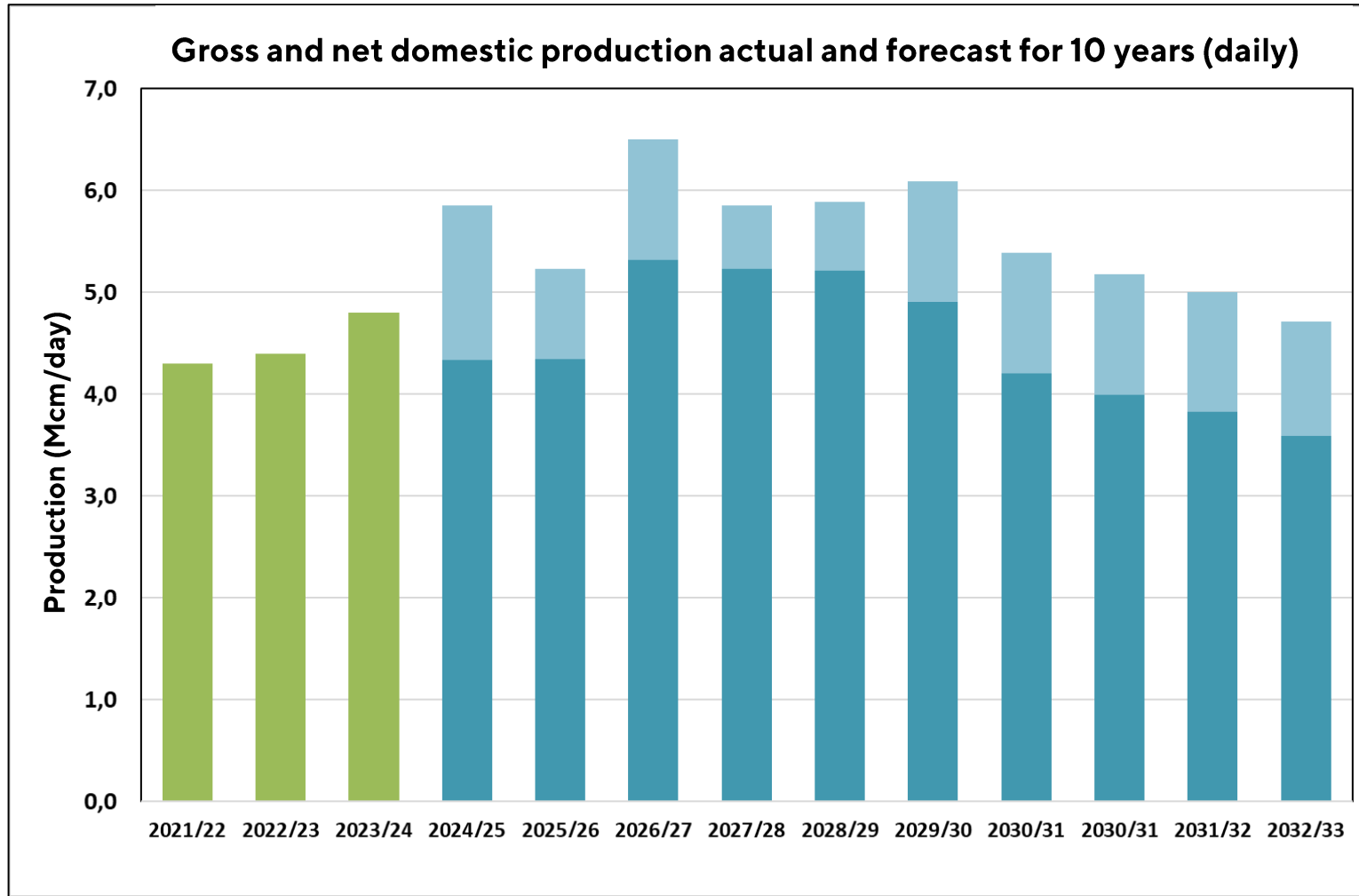


Source: Ten-Year Network Development Proposal 2025

Legend:

- DSOs
- industry
- Power Plant
- New Power Plant

Decreasing indigenous gas production trend

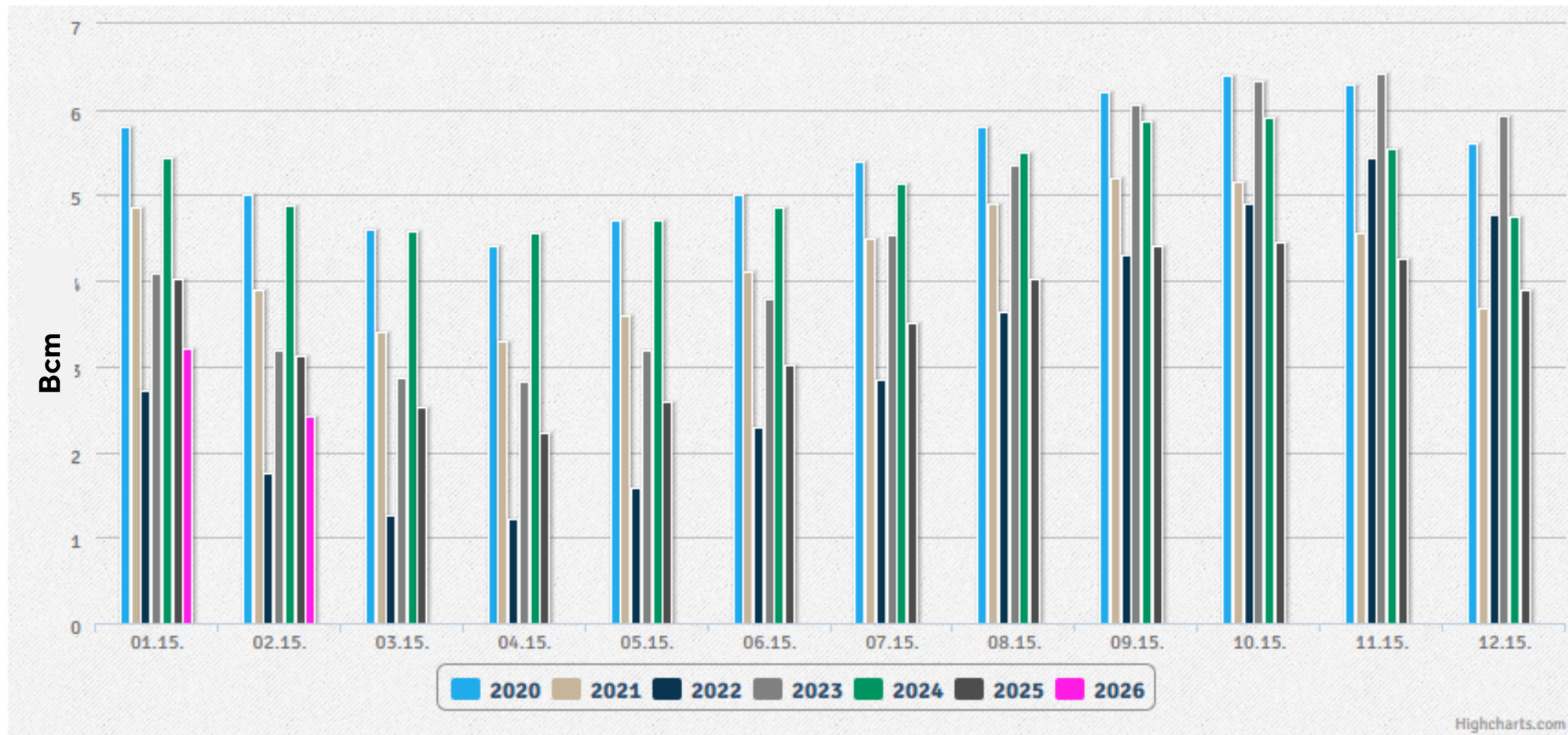


Legend:
■ actual
■ forecast (min; max)

Source: Ten-Year Network Development Proposal 2025

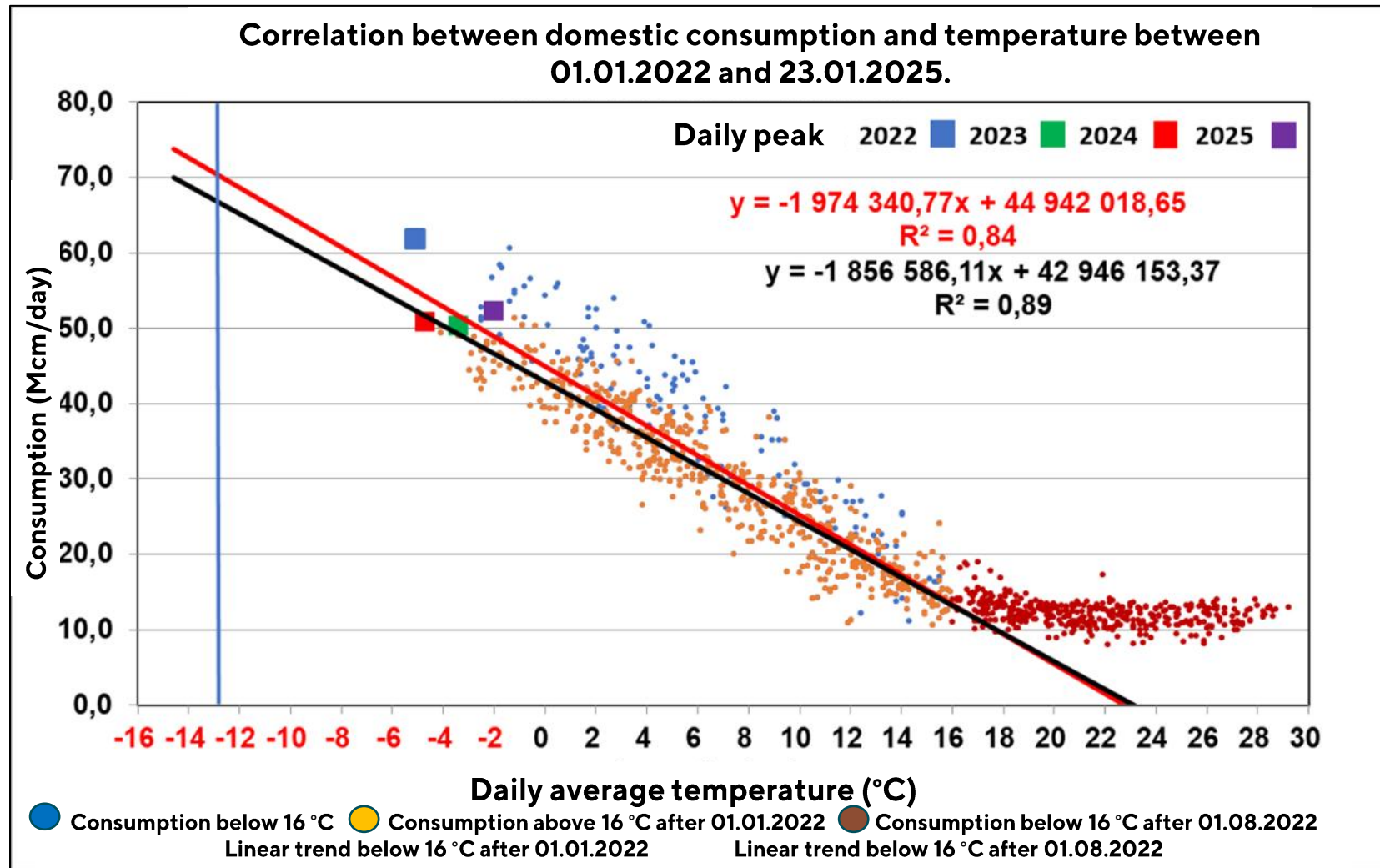
Stock levels in the natural gas storages in Hungary

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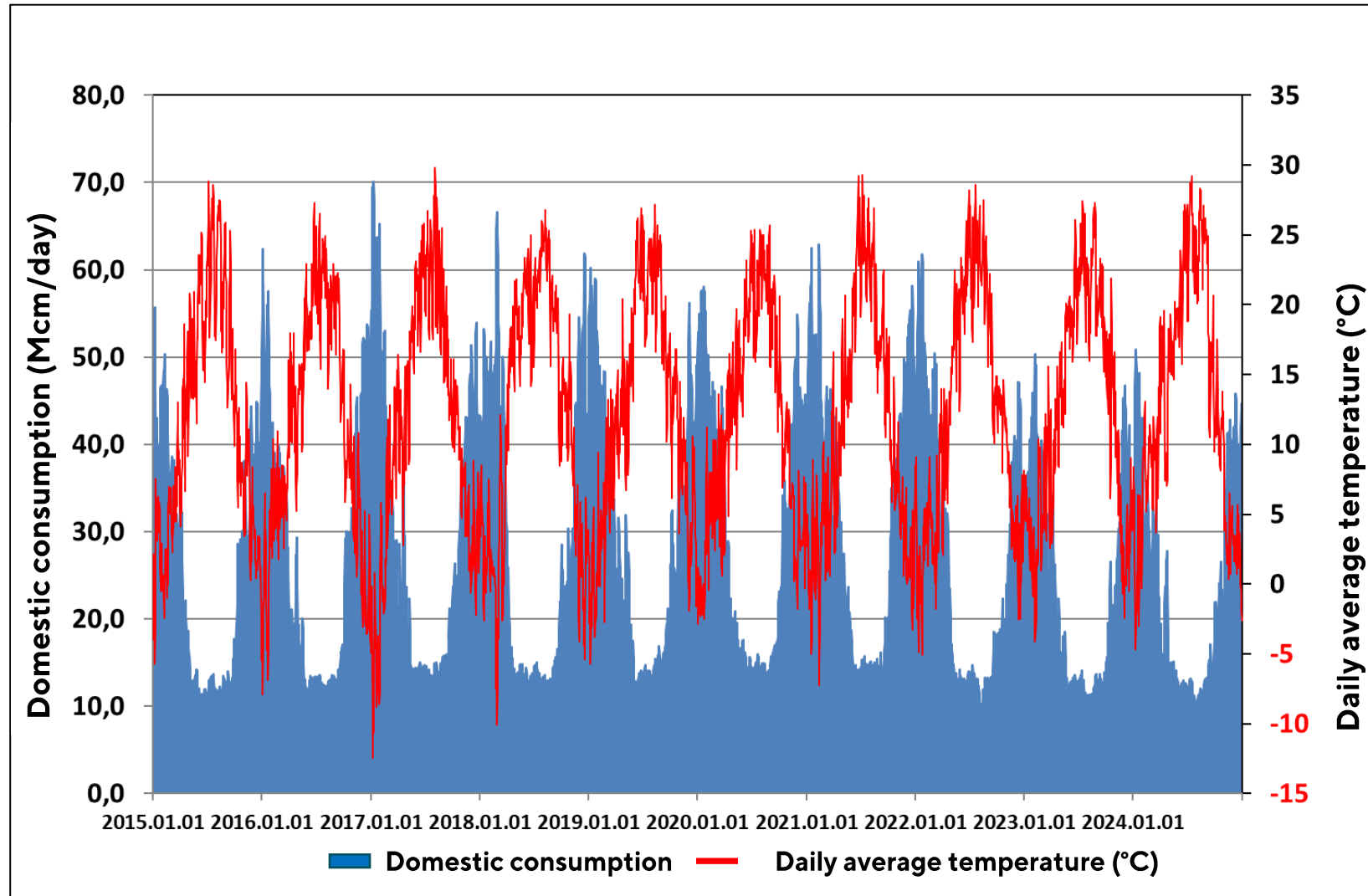
Source: <http://www.mekh.hu/magyarország-foldgazaroloinak-keszletsint-alakulasa>

Correlation between domestic consumption and temperature I.



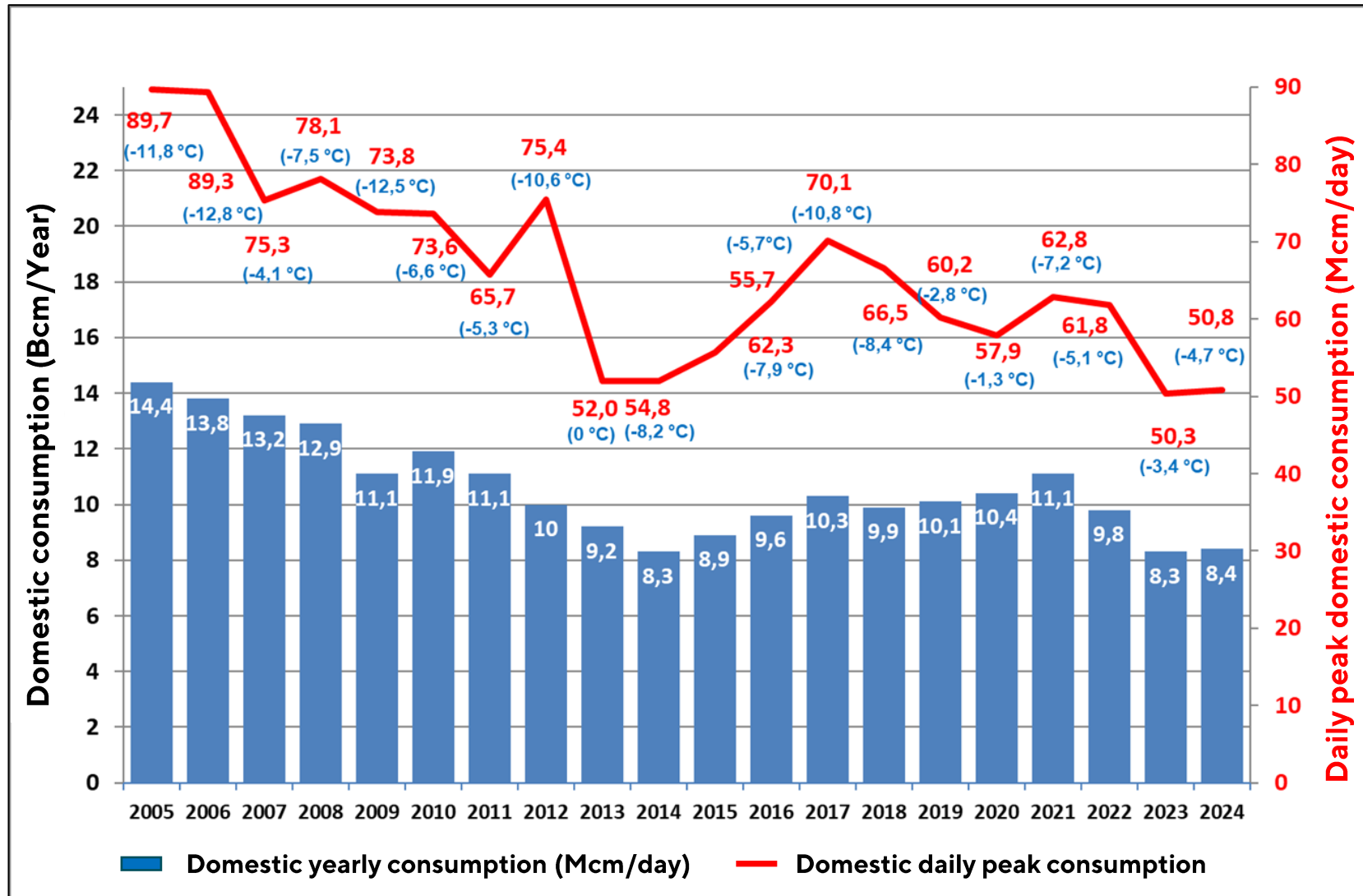
Source: Ten-Year Network Development proposal 2025

Correlation between domestic consumption and temperature II.



Source: Ten-Year Network Development proposal 2025

Annual and daily peak daily domestic consumption



Source. Ten -Years Development proposal 2025

NRA Resolution

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A) Projects approved by the NRA's resolution H176/2026 are the following :

- Transmission pipeline development and related developments for the capacity demand of MVM Tisza Power Plant;
- Transmission pipeline development for the capacity demand of MVM Mátra Gas Turbine Power Plant

B) Projects not approved by the NRA's resolution H176/2026 are the following, whilst they are to be further investigated, and the transmission system operator is obliged to include the result of the investigation in the TYNDP 2026:

- Reconstruction of the odorization system in the Transdanubian region - phase II.;
- Installation of electric driven compressor unit at Csanádpalota compressor station

NRA Resolution

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C) Projects not approved by the NRA's resolution H176/2026 are the following :

- Construction of Algyó-Városföld pipeline;
- Construction of Városföld-Vecsés pipeline;
- Construction of Slovenian-Hungarian interconnector;
- Connecting Balassagyarmat-Vecsés DN800 pipeline and Alag-Vác-Balassagyarmat DN300 pipeline;
- Construction of Bátortereny-Salgótarján DN200, 8 km pipeline;
- Projects to improve the security of supply;
- Procurement of leak detection and emission rate measuring handheld instruments for testing above-surface technology ;
- Ensuring delivery demand from Romania to Hungary , expansion of the compressor station in Csanádpalota;

NRA Resolution

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D) The transmission system operator is obliged by the NRA's resolution H176/2026

- to initiate, as a matter of priority, the approval of a development plan modified with the investments necessary to meet the demand; provided there is an increased transit demand from Austria to Hungary or to meet the maximum supply demand to ensure the domestic supply, should it be the case;
- to include in its TYNDP 2026 what developments affecting the interconnected natural gas system are necessary for the rapid and efficient restoration of the electricity system after a possible large-scale, prolonged blackout.

E) As to the hydrogen projects included in the network development proposal, considering the guidelines set out in Art. 55 of Directive 2024/1788/EC on common rules for the internal market in renewable gas, natural gas and hydrogen and the obligation to transpose it under Article 94, the Authority did not examine them due to lack of competence.

Projects approved by the NRA I.

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PROJECT DESCRIPTION

Transmission pipeline development and related developments for the capacity demand of MVM Tisza Power Plant

To meet the natural gas demand of MVM Tisza Power Plant, a new exit point, a new sectioning station and a new transmission line will need to be constructed.

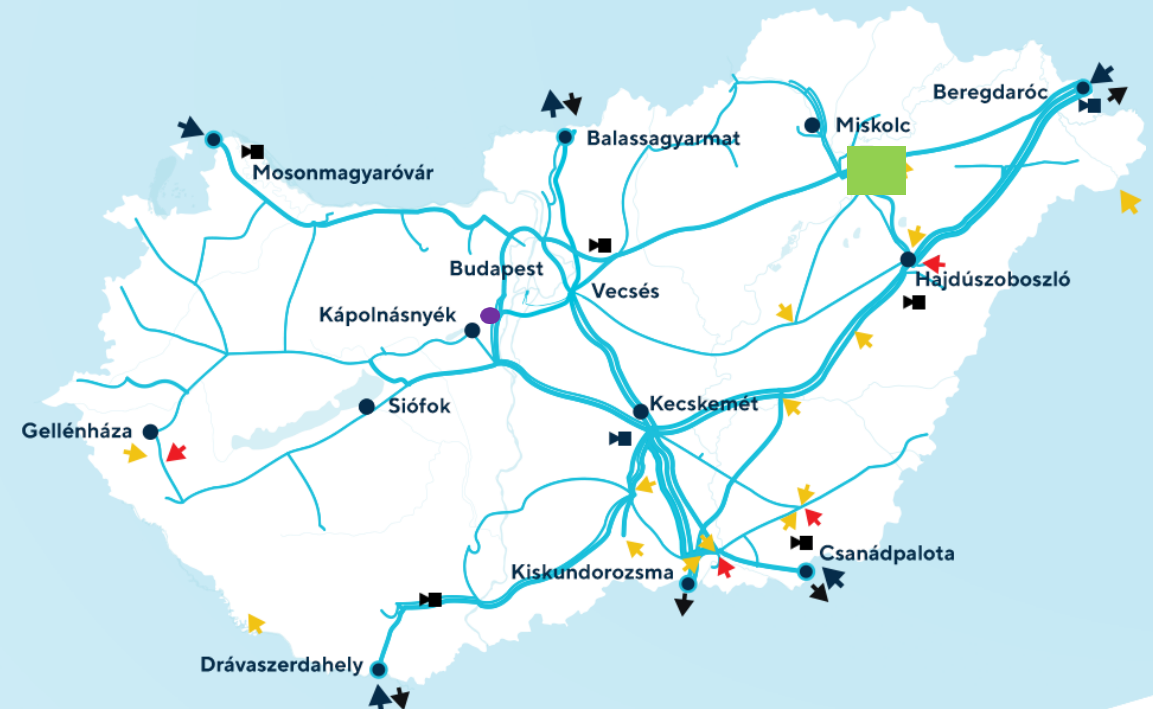
Description and main parameters of the projects:

Main parameters of the transmission system expansion:

1. Construction of a new gas delivery station (Tiszaújváros III) with a capacity of 250 m³/h and transmission line outlet pressure;
2. Construction of a new 6.5 km long DN500 PN63 branch pipeline between the Testvériség transmission pipeline and the new Tiszaújváros III gas delivery station;
3. Construction of a sectioning station on the Testvériség transmission line to enable bidirectional feeding of the CCGT power plant.

Deadline for completion of the development: 12 June 2028

PROJECT



Projects approved by the NRA II.

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PROJECT DESCRIPTION

Transmission pipeline development for the capacity demand of MVM Mátra Gas Turbine Power Plant

To meet the natural gas demand of MVM Mátra Gas Turbine Power Plant, a new exit point will need to be constructed.

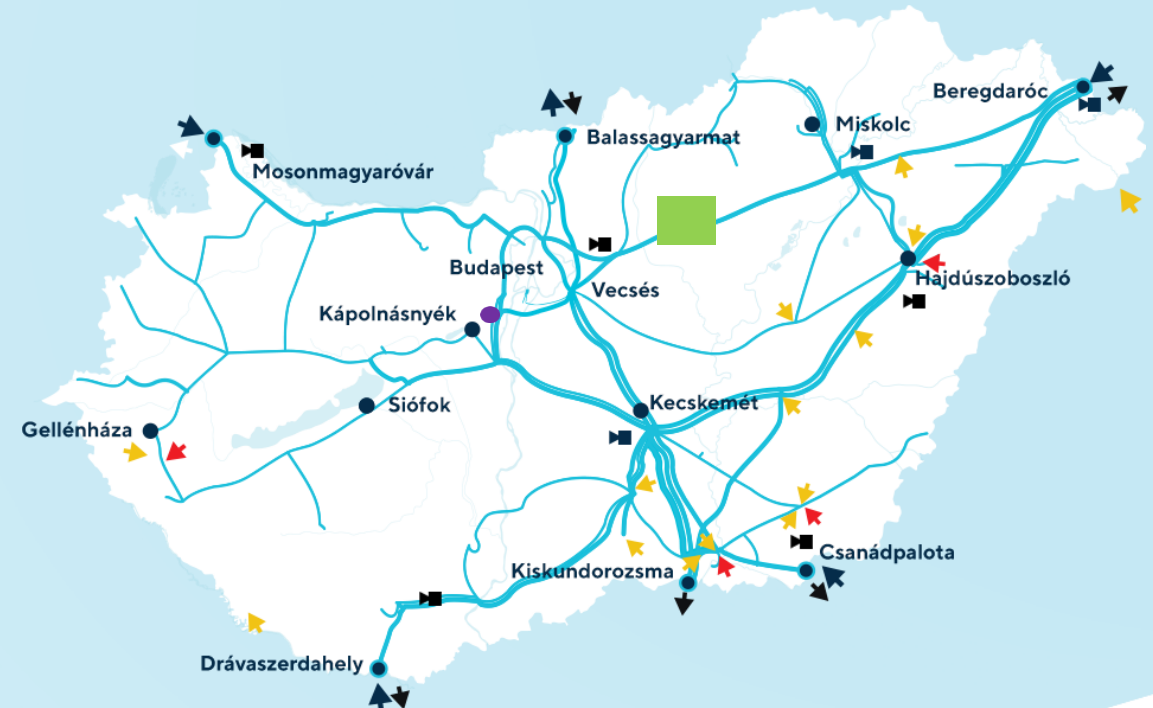
Description and main parameters of the projects:

Main parameters of the transmission system expansion:

1. Construction of a new gas delivery station (Visonta 2) with a capacity of 92.8 m³/h and transmission line outlet pressure;

Deadline for completion of the development: 20December2027

PROJECT



Projects not approved by the NRA I.

PROJECT DESCRIPTION

Reconstruction of the odorization system in the Transdanubian region - phase II.

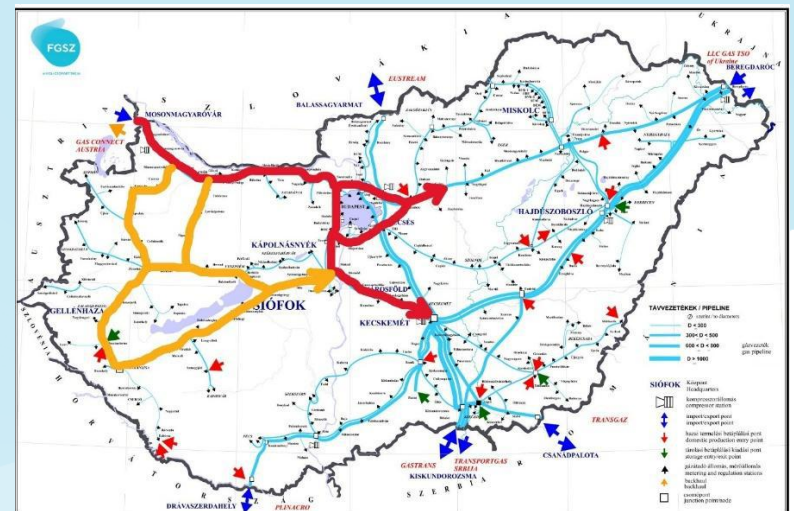
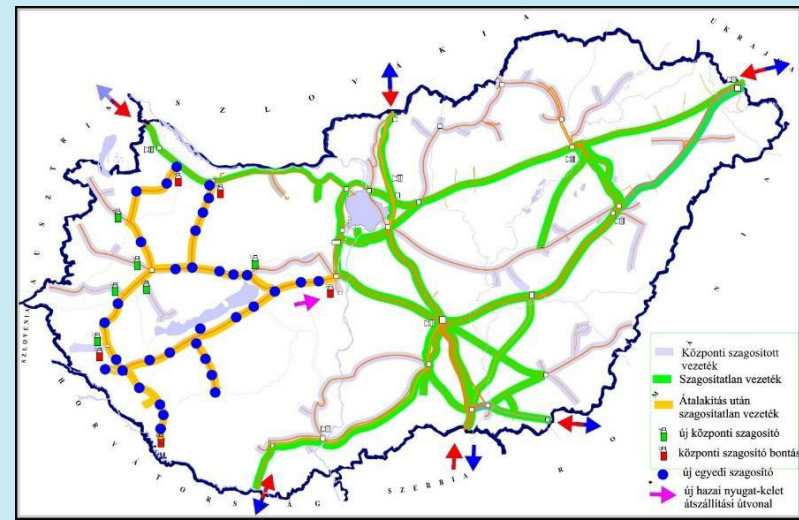
The current central odorization system in Transdanubia does not allow for flows between Transdanubia and Central Hungary in all operating modes. With this development, natural gas will be non-odorised in the main pipelines and can be transported anywhere. It will be possible to transport the maximum amount of natural gas supplied from Austria between Transdanubia and Central Hungary, and the system will become more flexible and independent of critical influencing factors.

Necessary developments:

1. Installation of a new central odorisation system (7 pcs)
2. Dismantling of existing central odorization system (5 pcs)
3. Installation of individual odorisation units (42 pcs)

Timeline for completion: 34 months upon the NRA's approval

PROJECT



Projects not approved by the NRA II.

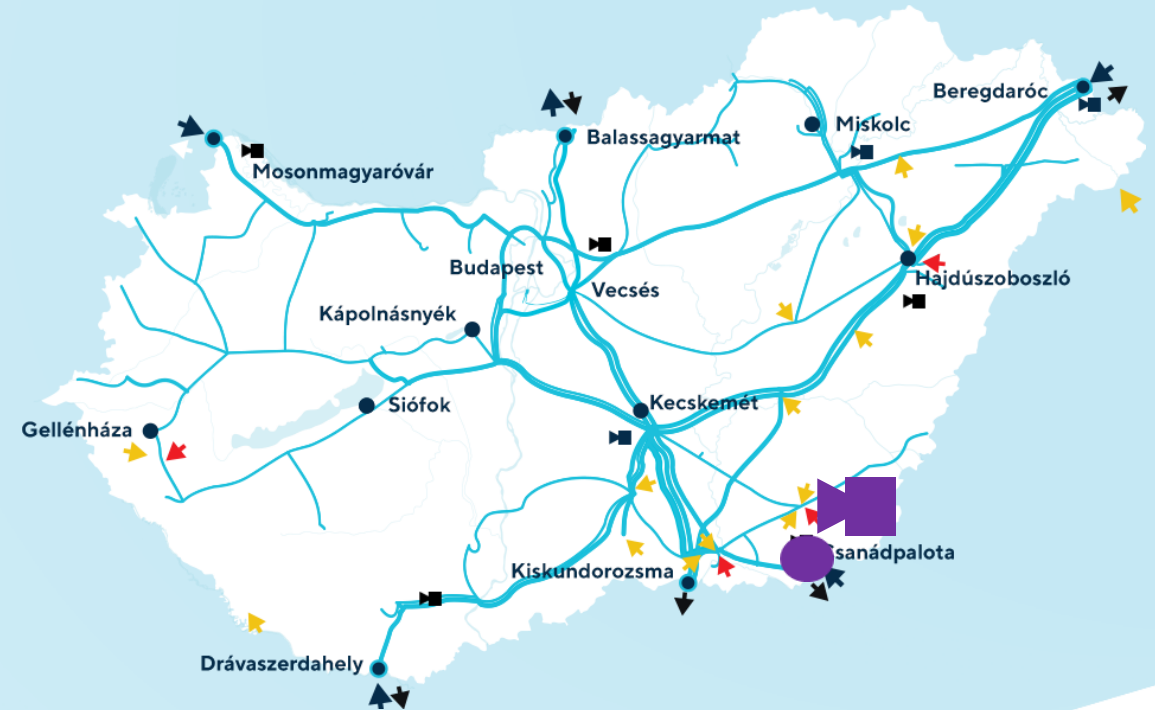
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PROJECT DESCRIPTION

Installation of electric driven compressor unit at Csanádpalota compressor station 

Replacing the existing compressor unit(s) by new, 5-7 MW electric driven compressor, capable to transport of hydrogen up to 100%.

PROJECT



Projects not approved by the NRA III.

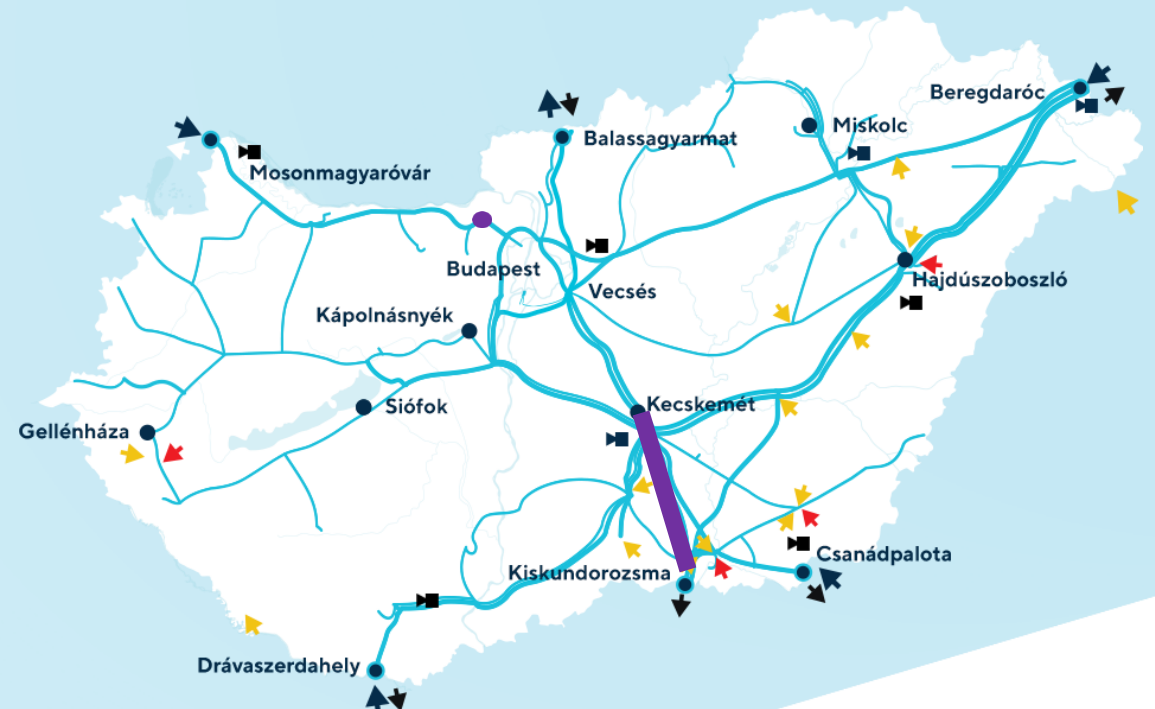
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PROJECT DESCRIPTION

Construction of Algyő-Városföld DN1000, PN75, 70 km pipeline

To increase the capacity in the RO>HU direction, the construction of a 70 km DN1000, PN75 pipeline between Algyő and Városföld may be necessary to maximise the capacity of the natural gas entry points in the south of Hungary (Kiskundorozsma 2 and Csanádpalota interconnection points and the Szőreg UGS). The pipeline will be suitable for integration into the H₂ transmission infrastructure as well.

PROJECT



Projects not approved by the NRA IV.

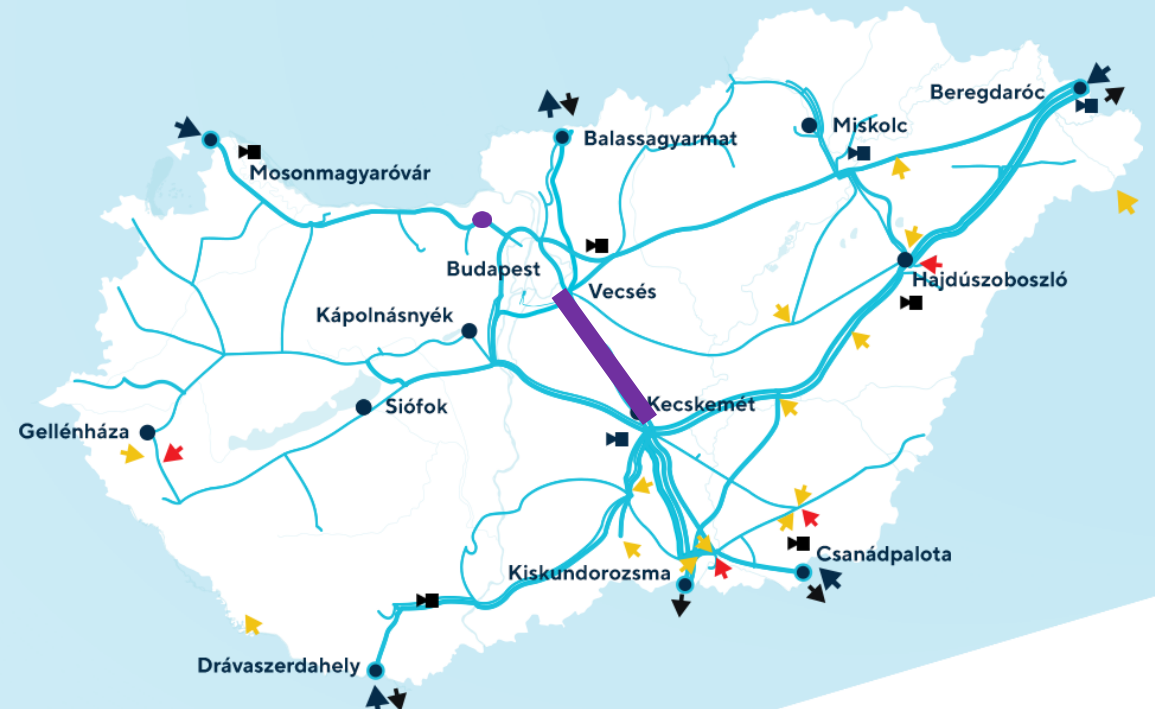
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PROJECT DESCRIPTION

Városföld-Vecsés DN800, PN75, 78 km pipeline construction

As a result of the project, the simultaneous transmission of the maximum volumes coming from the south (the injection from Kiskundorozsma, Csanádpalota, Szőreg, Zsana and Drávaszerdahely) to the node in Városföld will be ensured.

PROJECT





Projects not approved by the NRA V.

PROJECT DESCRIPTION

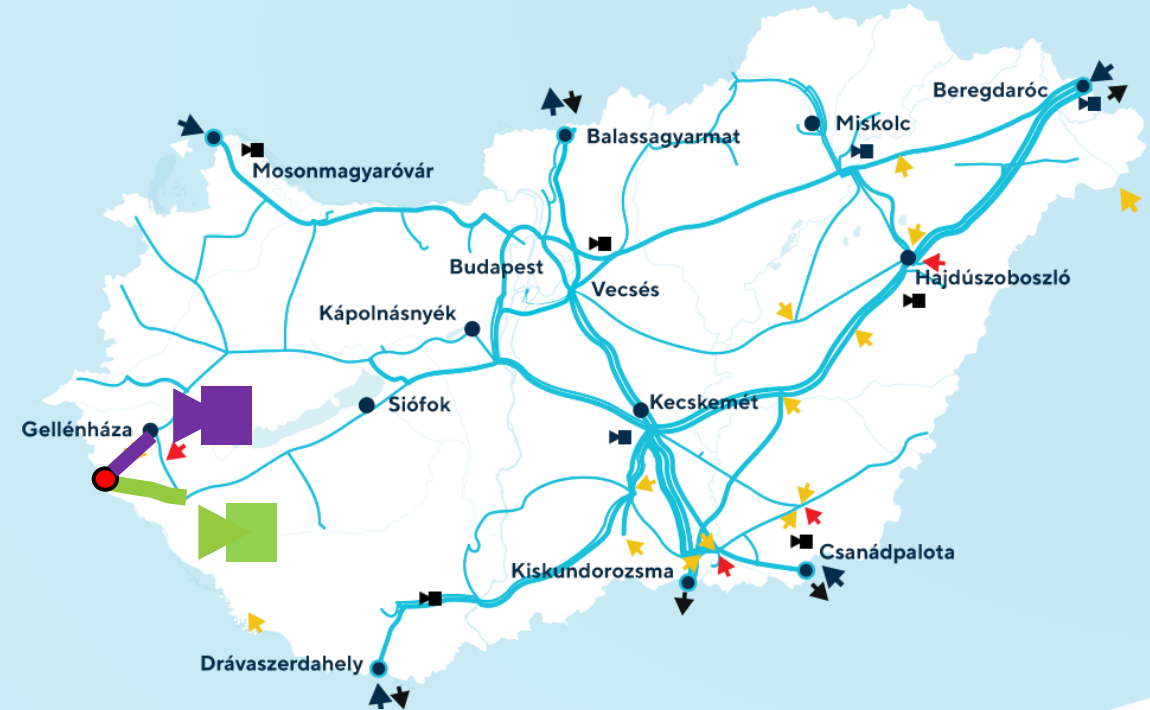
Slovenian-Hungarian interconnector

During the consultations with Plinovodi, the adjacent TSO, in 2023 and spring 2024, the Slovenian-Hungarian interconnector was mainly considered with a capacity of 50,000 cm/h (0.4 bcma). The financing issue of the construction is still open, however this development is also subject to the result of the capacity auction under the incremental capacity procedure to be launched in July 2025.

Planned developments:

1. option: 
 - SI/HU border - Tornyiszentmiklós pipeline (0.7 km, DN500, PN63),
 - Tornyiszentmiklós metering station,
 - Tornyiszentmiklós-Pusztaderics pipeline (34.5 km, DN300, PN63),
 - Pusztaderics gas engine driven compressor station (2 x 1.5 MW).
2. option: 
 - SI/HU border - Tornyiszentmiklós pipeline (0.7 km, DN500, PN63),
 - Tornyiszentmiklós metering station,
 - Tornyiszentmiklós - Nagykanizsa pipeline (40 km, DN600, PN75),
 - Nagykanizsa gas engine driven compressor station (2 x 1.2 MW). For H2 transmission, new compressor units will have to be installed.

PROJECT



Projects not approved by the NRA VI.

PROJECT DESCRIPTION

Connecting Balassagyarmat-Vecsés DN800 pipeline and Alag-Vác-Balassagyarmat DN300 pipeline

The pipeline of Alag-Vác-Balassagyarmat is currently a dead-end pipeline, supplied from Alag only. The construction of a pipeline (DN300, appr. 2.5 km) connecting the international metering station in Balassagyarmat and the gas delivery station in Balassagyarmat along with the associated modifications will create a looped pipeline system, thus ensuring both the possibility of bidirectional supply to the pipeline system concerned as well as increasing the security of supply to consumers.

- The interconnection of the given pipelines is FGSZ's own proposal to increase security of supply for domestic consumers, the project will neither create new capacity, nor upgrade the existing one.
- The investment can be implemented within 25 months once the Authority approved the amended operational licence of FGSZ Ltd.

PROJECT DESCRIPTION

Construction of Bátonyterenye-Salgótarján DN200, 8 km pipeline

Following the gas release on the pipeline Vác-Romhány (DN 300) in late January 2025, our Company examined the existing dead-end pipelines on the natural gas transmission system and the gas delivery stations with a risk of gas supply failure. As a result, to increase security of supply, increase operational flexibility, carry out operative operations and consider emission reductions, it is proposed to construct a new Bátonyterenye pipeline DN200, 8 km in addition to the currently operating pipeline Bátonyterenye-Salgótarján DN300, PN50.

The investment can be implemented within 26 months once the Authority approved the amended operational licence of FGSZ Ltd.

Projects not approved by the NRA VII.

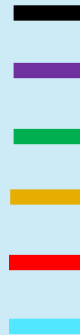
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PROJECT DESCRIPTION

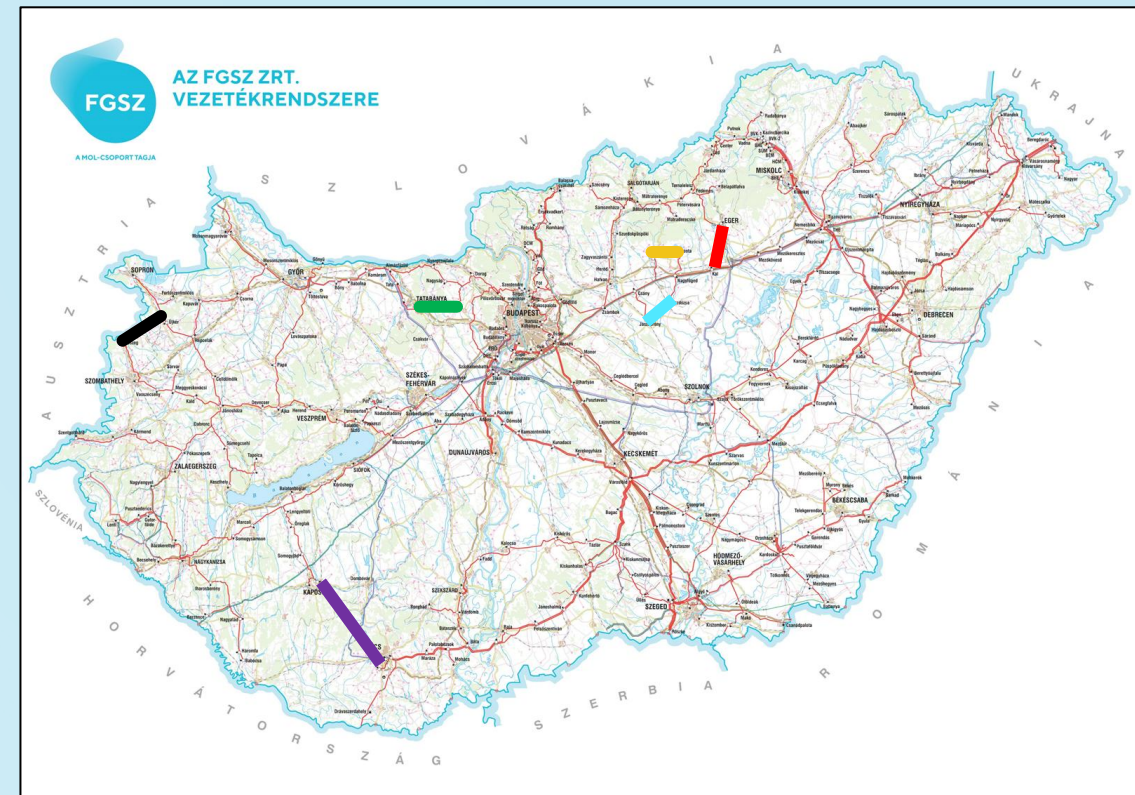
Projects to improve the security of supply

Following the gas release on the Vác-Romhány DN 300 pipeline at the end of January 2025, the transmission system operator examined the existing dead-end pipelines on the natural gas transmission system and the gas transfer stations with a risk of gas supply outages. As a result, the need for the following pipelines was assessed, considering the need to increase security of supply, increase operational flexibility, carry out operational management and reduce emissions.

- Construction of Kőszeg-Lövő DN200, 25 km pipeline;
- Construction of Kaposvár – Pécs II DN300/DN400, 70 km pipeline;
- Construction of Tatabánya II-Zsámbék DN250, 23 km pipeline;
- Construction of Gyöngyös-Visonta DN200, 15 km pipeline;
- Construction of Eger-Kál DN300, 25 km pipeline;
- Construction of Jászberény-Jászdózsa, DN 200, 15 km pipeline.



PROJECT



Projects not approved by the NRA VIII.

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PROJECT DESCRIPTION

The **LDAR (Leak Detection & Repair)** project aims to reduce methane emissions through state-of-the-art technology and to comply with the European Union's methane emission reduction strategy and the proposed methane regulation.

Part of the project is the **development already finalised based on the previous decision (A)**, the **ongoing development (B)**, while the other part is a **new investment proposed to be implemented in the next three years (C)**.

PROJECT

Equipment needed for the implementation:

- A. Acquisition of manual leak detectors and emission rate measuring instruments for the testing of above ground technology.
- B. Acquisition of manual leak detectors and emission rate measuring instruments for the testing of above ground technology.
- C. 1. Acquisition of measuring instruments and analysis software together with a transport drone for site level measurement.
- C.2. Acquisition of an aircraft (e.g. helicopter) mounted leak detection instrument for the inspection of underground systems, natural gas pipelines

Projects not approved by the NRA IX.

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PROJECT DESCRIPTION

Expansion of the compressor station in Csanádpalota

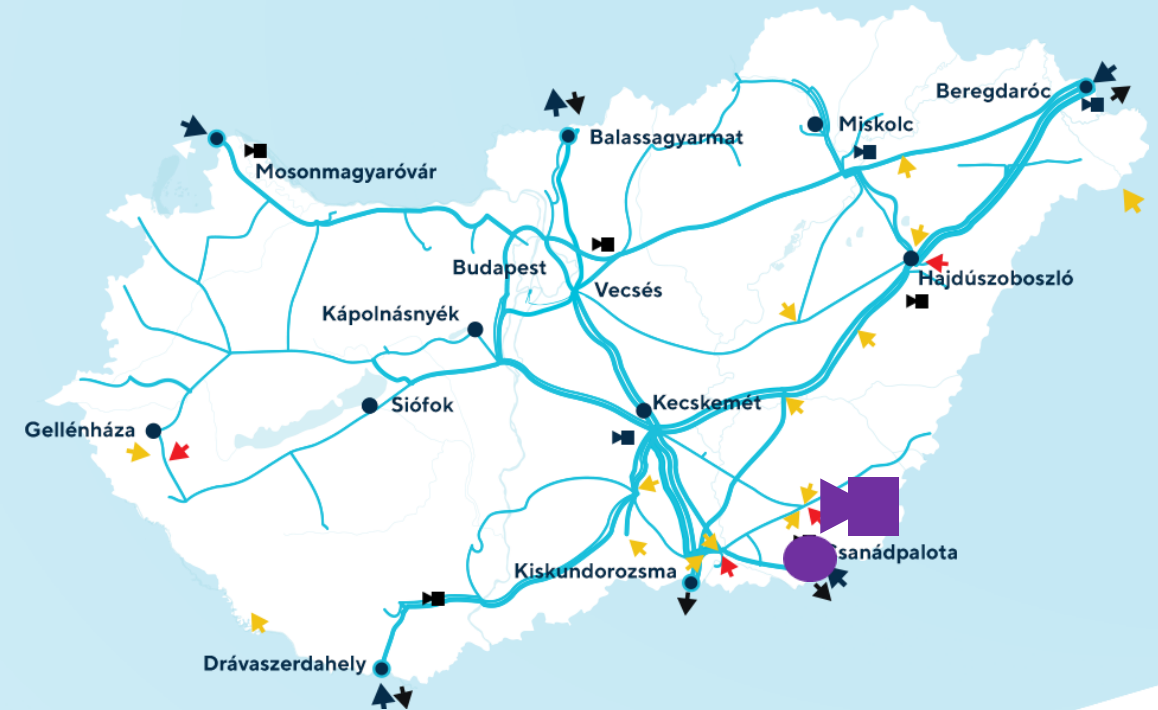
The transmission system currently built from Romania can transport a maximum of 300 m³/h. In terms of capacity expansion, the compressor station is the bottleneck, so the investment will enable the transmission system to transport 340 m³/h of natural gas in both the Romania>Hungary and Hungary>Romania directions. The development and the technical solution approved by the Hungarian NRA do not include the expansion of the Csanádpalota metering station, which would only be necessary if the transport demand exceeded 340 m³/h.

Necessary development:

1. Relocation of one 5.3 MW compressor unit from Nemesbikk to the Csanádpalota compressor station

Timeline for completion: 20 months upon the NRA's approval

PROJECT







Projects not examined by the NRA due to lack of competence

PROJECT DESCRIPTION

Connecting FGSZ's system to the European Hydrogen Backbone and getting prepared to meet the expected supply needs of domestic hydrogen producers and users

The hydrogen strategy foresees first the natural gas + hydrogen blend on the existing natural gas transmission system, followed by the emergence of pure hydrogen pipelines, through repurposing the existing pipelines and constructing new pipelines, subject to the evolution of domestic and transit (import/export) hydrogen consumption needs and the injection needs of hydrogen producers.

Project: investigating the repurposing of the following pipelines and the compressor stations

- HU/UA hydrogen corridor 
- HU/SI hydrogen corridor 
- HU/SK hydrogen corridor 
- HU/RO hydrogen corridor 

PROJECT

