HELLENIC REPUBLIC
HELLENIC STATISTICAL AUTHORITY

Piraeus, September 18, 2018

PRESS RELEASE

TRANSPORT VIA NATURAL GAS PIPELINES, FOR THE YEAR 2017

The Hellenic Statistical Authority (ELSTAT) announces statistical data on the transport of natural gas via pipelines in Greece, for the year 2017.

- On the basis of the data of the Hellenic Gas Transmission System Operator (DESFA S.A.), in 2017 the total length of the natural gas transmission pipelines amounted to 1,464 km. More specifically, 512 km corresponded to the main high pressure pipeline and 952 km to the transmission branches delivering natural gas all over Greece. The total length of the transmission network recorded a small change compared with 2016, recording a 0.1% decrease (Table 1).
- In 2017, maintenance expenditure on natural gas transmission infrastructure amounted to TEUR 2,259 recording a 4.8% increase in comparison with TEUR 2,156 in 2016. Investment on new infrastructure amounted to TEUR 23,988 in 2017 recording a decrease of 23.9% in comparison with TEUR 31,536 in 2016 (Table 2).
- Table 3 presents data on the transmission of natural gas all over Greece. As regards the total quantity of natural gas deliveries at the entry points of the National Natural Gas Transmission System (NNGTS), in 2017 a 20.4% increase was observed in comparison with 2016. Accordingly, an increase of 20.3% was recorded in 2017 compared with 2016 as regards the total of natural gas off-takes at the exit points of NNGTS.
- In 2017, the total transportation work amounted to 713 million tonne-kilometres (Mtkm), recording an increase of 1.4% in comparison with 703 million tonne-kilometres (Mtkm) in 2016.
- Table 4 presents data on natural gas deliveries and off-takes expressed as a share over the technical capacity of the entry-exit points of natural gas for the period 2014-2017. In 2017 compared with 2016, an increase was recorded in the exploitation of the system's technical capacity as regards deliveries, from 38.2% to 46.2%, while a small increase was observed as regards the total amount of natural gas provided for final consumption (off-takes), from 17.6% to 19.7%.

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Table 1. Length of natural gas transmission pipelines (km), 2014-2017

	2014	2015	2016	2017	Change % 2015/2014	Change % 2016/2015	Change % 2017/2016
Main High Pressure Pipeline	512	512	512	512	0.0	0.0	0.0
Branches Covering the whole Country (Greece)	947	947	954	952	0.0	0.7	-0.2
Total	**1,459**	**1,459**	**1,466**	**1,464**	**0.0**	**0.5**	**-0.1**

Graph 1. Length of natural gas transmission pipelines (km), 2014-2017

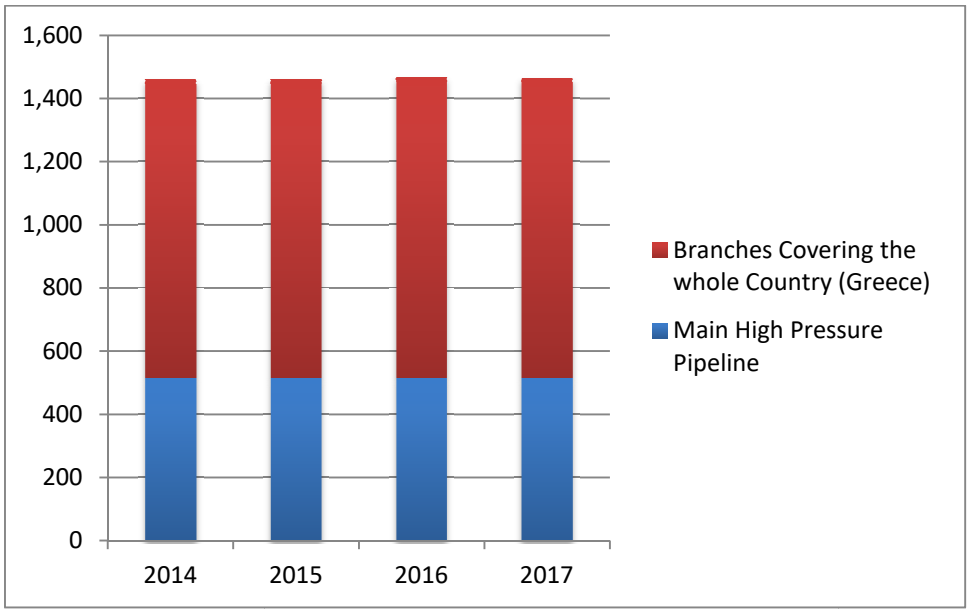


Table 2. Expenditure on natural gas transmission infrastructure (thousand euro), 2014-2017

	2014	2015	2016	2017	Change % 2015/2014	Change % 2016/2015	Change % 2017/2016
Maintenance	1,566	1,487	2,156	2,259	-5.0	45.0	4.8
Investment on new infrastructure	75,228	49,284	31,536	23,988	-34.5	-36.0	-23.9
Total	**76,794**	**50,771**	**33,692**	**26,247**	**-33.9**	**-33.6**	**-22.1**

Table 3. Transmission of natural gas through the NNGTS, 2014-2017

	2014	2015	2016	2017	Change % 2015/2014	Change % 2016/2015	Change % 2017/2016
Deliveries at entry points (MWh)	31,810,096	34,289,681	44,742,688	53,868,923	7.8	30.5	20.4
Off-takes at exit points (MWh)	31,775,842	34,128,325	44,535,393	53,570,256	7.4	30.5	20.3
Transport work (Mtkm)	622	649	703	713	4.3	8.3	1.4

Note: One tonne-kilometre corresponds to the transportation of one tonne of natural gas over a distance of one kilometre. One MWh is a unit of energy equivalent to 1MW of power expended for 1 hour of time.

Graph 2. Transmission of natural gas through the NNGTS, 2014-2017

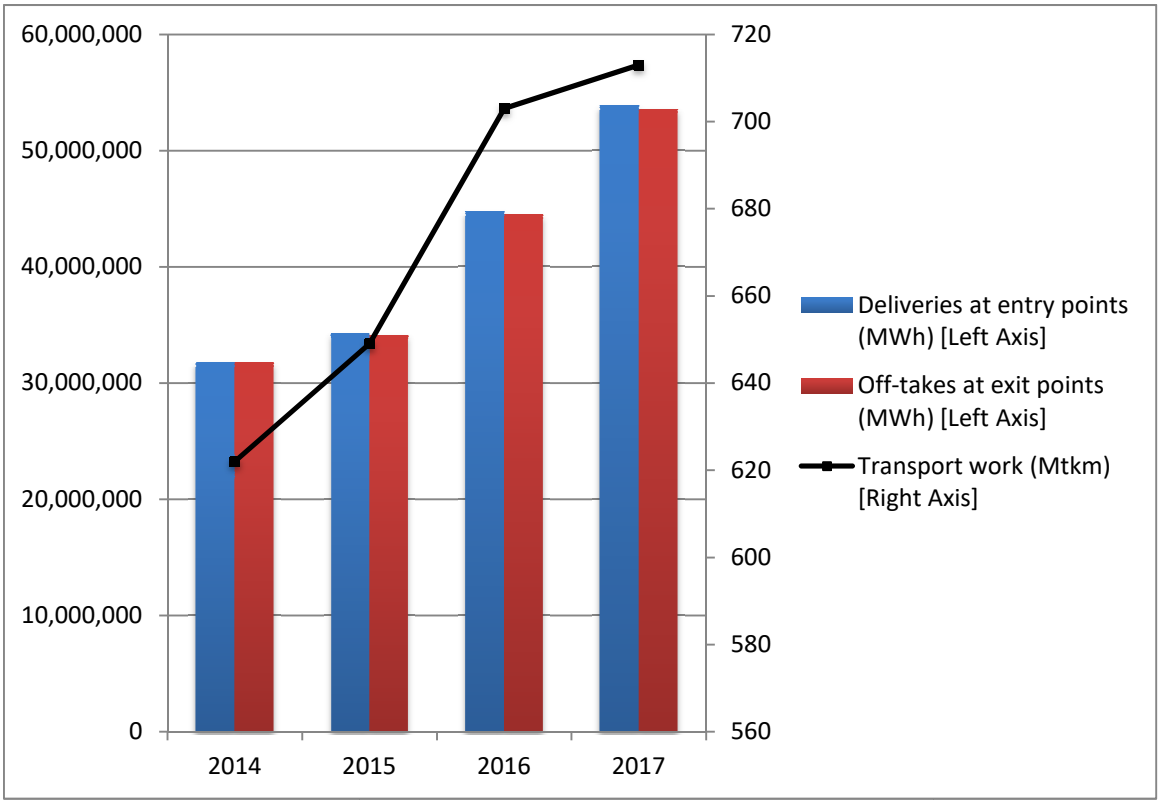
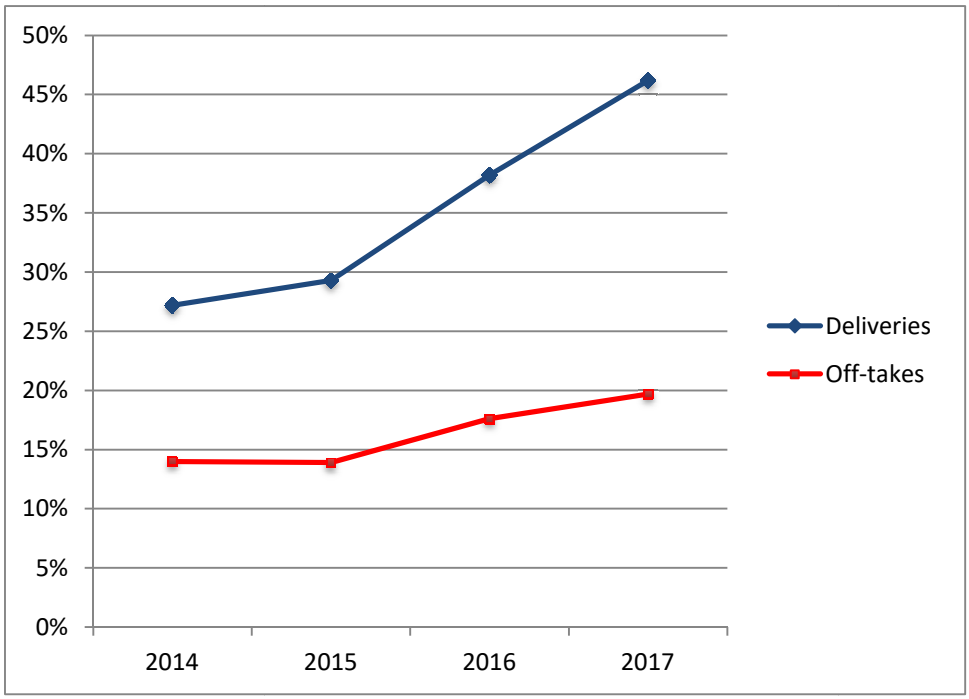


Table 4. Natural gas deliveries and off-takes at entry-exit points of the NNGTS in relation to their technical capacity, 2014-2017

	2014	2015	2016	2017
Technical capacity of entry points (MWh/day)	320,644.0	320,590.5	320,590.5	319,756.7
Annual average deliveries at entry points (MWh/day)	87,150.9	93,944.3	122,582.7	147,586.1
Share of deliveries at entry points to their technical capacity (%)	27.2	29.3	38.2	46.2
Technical capacity of exit points (MWh/day)	622,057.8	672,947.4	694,910.3	743,690.5
Annual average off-takes at entry points (MWh/day)	87,057.1	93,502.3	122,014.8	146,767.8
Share of off-takes at exit points to their technical capacity (%)	14.0	13.9	17.6	19.7

Graph 3. Percentage share of natural gas deliveries and off-takes at entry-exit points of the NNGTS in relation to their technical capacity (%), 2014-2017



Explanatory Note

Transport of natural gas via pipelines in Greece

Statistics produced on the transport of natural gas via pipelines is a statistical work carried out by the Hellenic Statistical Authority with the aim of covering Eurostat's needs in statistical information. The data of this work refer to the transport work of the national network of natural gas pipelines of Greece.

Legal Framework

This statistical work is not governed by any regulation but it is implemented to meet needs in statistical information under a Gentlemen's Agreement. The conduct of this statistical work is included in the Annual Statistical Programme of ELSTAT since 2013 and it is conducted on a yearly basis.

Reference period

The data refer to the year 2017 and data for 2014, 2015 and 2016 are also presented for comparison purposes.

Methodology

The data are provided by the Hellenic Natural Gas Transmission System Operator S.A. (DESFA AE) and are checked by the Transport Statistics Section in terms of completeness and correctness, and then are tabulated.

Definitions

Gas pipeline

All parts of the pipe, including all its equipment such as valves, compressor stations, communications systems, and meters for the transportation of natural and/or supplemental gas from one point to another, usually from a point within the production or processing plant or at a distance therefrom in another pipeline or points of use.

Enterprise for transport via pipelines

An enterprise created to provide, in one or more places, transport services via oil or gas pipelines and whose main activity, on the basis of value added, is the transport of goods via oil or gas pipelines.

Investment expenditure on infrastructure

Expenditure for the construction of new infrastructure or the extension of existing infrastructure, including reconstruction, major repairs and renovations. Including expenditure on pumping and compression facilities.

Expenditure on the maintenance of infrastructure

Expenditure for keeping infrastructure operational. Such expenditure also includes maintenance expenditure for pumping and compression facilities.

Technical capacity

The maximum firm capacity that the National Natural Gas Transmission Operator can offer to the system users, taking into account the system integrity and the operational requirements of the National Natural Gas Transmission System.

Exit points

The last insulating joint weld on the pipeline which supplies the receiving natural gas installation within the plot land already purchased by DESFA for the construction of the relevant metering facilities, given that DESFA S.A. has not completed the installation works for the metering facilities through which gas shall be supplied from the transmission system to the relative receiving natural gas installation and until the completion of these metering facilities.

References

More information on Transport via Natural Gas Pipelines in Greece can be found on the website of the Hellenic Statistics Authority at the following link:

http://www.statistics.gr/en/statistics/-/publication/SME28/-