ENERGY
REGULATORY
OFFICE
OF THE CZECH REPUBLIC

YEARLY REPORT ON THE OPERATION OF THE CZECH GAS SYSTEM 2022

CONTENTS

1	**ABBREVIATIONS AND DEFINITIONS**	**4**
2	**COMMENTARY**	**6**
3	**GAS SYSTEM**	**8**
3.1	Yearly balance in the Czech gas system	8
3.2	Yearly balance in the Czech gas system - diagram	9
3.3	Balance in the Czech gas system in 2022	10
3.4	Balance in the Czech gas system over the last 10 years	11
3.5	Gas flow into/from the Czech gas system, including DS, by entry/exit country over the last 10 years	12
4	**UNDERGROUND GAS STORAGE FACILITIES**	**13**
4.1	Gas flow from/into UGS that form part of the Czech gas system	13
4.2	Gas flow from/into UGS that form part of the Czech gas system over the last 10 years	14
5	**PRODUCTION OF ALL GASES**	**15**
5.1	Production of all gases in the Czech Republic	15
5.2	Natural gas production in the Czech Republic over the last 10 years	16
6	**NATURAL GAS CONSUMPTION**	**17**
6.1	Natural gas consumption in the Czech Republic in 2022	17
6.2	Share of natural gas consumption in each period of the year in total annual consumption in the CR	18
6.3	Air temperature in the Czech Republic in 2022	19
6.4	Natural gas consumption in the Czech Republic over the last 10 years	20
6.5	Daily maximum and minimum natural gas consumption in the Czech Republic in 2022	21
6.6	Daily temperature gradient (DTG) and model natural gas consumption in the Czech Republic	22
6.7	Daily natural gas consumption in the Czech Republic over the last 10 years	23
7	**REFERENCE HOURLY READING**	**24**
7.1	Reference hourly reading broken down by distribution system in the CR	24
7.2	Balance in the Czech gas system on the KHO day	25
7.3	Balance in the Czech gas system on the KHO day - diagram	26
7.4	Reference hourly reading in the CR over the last 10 years	27
7.5	Reference hourly reading in the CR over the last 10 years - charts	28
8	**NATURAL GAS CONSUMPTION BY CUSTOMER CATEGORY AND BY WAY OF USE**	**29**
8.1	Natural gas consumption in the Czech Republic in 2022 and over the last 10 years	29
8.2	Natural gas consumption in the HD_C category in 2022 and over the last 10 years	30
8.3	Natural gas consumption in the Czech Republic in the MD_C category in 2022 and over the last 10 year	31
8.4	Natural gas consumption in the LD_C category in 2022 and over the last 10 years	32
8.5	Natural gas consumption in the DOM category in 2022 and over the last 10 years	33
8.6	Natural gas supply to CNG stations in the Czech Republic in 2022 and over the last 10 years	34
8.7	Natural gas consumption in the CR for electricity generation in 2022 and over the last 10 years	35
8.8	Natural gas consumption in the Czech Republic by customer category in 2022 and over the last 10 year	36
8.9	Natural gas consumption broken down by customer category and way of use in the Czech Republic	37
9	**NATURAL GAS CONSUMPTION BY DISTRIBUTION SYSTEM**	**38**
9.1	Natural gas consumption by gas system, customer category and CNG in the Czech Republic	38
9.2	Natural gas consumption by gas system in the Czech Republic in 2022	39
9.3	Gas quantities distributed through local distribution systems in the Czech Republic	40
9.4	Gas pipeline lengths of gas systems in the Czech Republic by pressure	41
9.5	Pipeline lengths of gas systems in the Czech Republic by pressure level over the last 10 years	42
10	**TARIFF STATISTICS BY DEMAND CATEGORY AND OFF-TAKE BAND IN THE CZECH REPUBLIC OVER THE LAST 10 YEARS**	**43**
11	**NATURAL GAS CONSUMPTION BY REGION**	**45**
11.1	Natural gas consumption by Region, customer category, and CNG in the Czech Republic	45
11.2	Natural gas consumption and customer numbers by Region in the Czech Republic	47
11.3	Numbers of customers by Region (R.), customer category, and CNG in the Czech Republic	48
11.4	Natural gas consumption by Region (R.) in 2022 and over the last 10 years	49
11.5	Air temperature by Region (R.) in 2022 and over the last 10 years	51
12	**HISTORICAL DATA**	**52**
12.1	Natural gas and town gas consumption in the Czech Republic over the last 70 years	52
12.2	Natural gas consumption by demand category in the Czech Republic over the last 70 years	54
12.3	Average air temperature in the Czech Republic over the last 30 years	57
13	**MAP OF THE CZECH GAS SYSTEM**	**58**

INTRODUCTION

Under Section 17 (7) (m) of Act No 458/2000 (the Energy Act) as amended, the Energy Regulatory Office (ERO) publishes the Yearly Report on the Operation of the Czech Gas System for 2022. The statistics contained herein are mainly intended for Czech governmental authorities and institutions and those of the European Union, and the expert circles.

In this report, the ERO discloses all available operating and technical data representing physical gas flows. The ERO obtains data for the yearly report under ERO Public Notice 404/2016 on the particulars and structure of the returns required for preparing reports on the operation of systems in energy industries, including the dates, scope and rules for preparing the returns (the statistics public notice), which came into effect on 1 January 2017. Under its competences set out in Section 20a (4) (e) of Act No 458/2000, the Energy Act, the market operator prepares its monthly and yearly statistics of the electricity and gas markets, which supplement the ERO's statistics with trading data.

All details of the methodology for reporting data for the ERO statistics are specified in the ERO's Explanatory Statement 9/2018 of 14 September 2018 on the method of completing the returns under the statistics public notice for the gas industry. The Explanatory Statement and the current returns are posted on the ERO's website.

All of the data contained herein comes from information received from licensed entities: gas producers and distribution system operators, the gas transmission system operator, and storage system operators.

This Yearly Report on the Operation of the Czech Gas System for 2022 follows up on the ERO's earlier reports released in preceding years and offers information about the gas industry's key statistics for 2022, including their development over the past ten years. Its respective chapters contain statistics on gas balance, production and consumption by category, including gas consumption for electricity generation. The report also contains an evaluation of cross-border gas flows, gas storage, some regional evaluations, and tariff statistics. The Yearly Report for 2022 relies on the data in the report for Q4 2022 and contains some more accurate data.

1 ABBREVIATIONS AND DEFINITIONS

Balancing difference in the TS	Daily physical gas quantity for fuelling compression stations (fuel gas) plus other gas, which represents unmetered values of the difference-causing quantities in the total balance in the transmission system
Actual	Actually metered natural gas consumption
Adjusted	Natural gas consumption adjusted to the long-term normal temperature determined by the Czech Hydrometeorological Institute
BTS	Border transfer station (interconnector)
CNG	Compressed Natural Gas
Customers	Gas consumption in all customer categories
Difference	The difference between average temperature and the long-term normal
DOM	Households (customer category)
DS	Distribution system
DSO	Distribution system operators
DTG	Daily temperature gradient (change in gas consumption caused by a unit change in temperature)
EG	Electricity generation
EG.D	EG.D, a.s. – a company operating a regional distribution system
GasNet	GasNet, s.r.o. – a company operating a regional distribution system
Green Gas	Green Gas DPB, a.s. – a company operating a local distribution system
HD_C	High demand customers (customer category)
Heating season	The 1st and 4th quarter of the year
HP	Heat production
KHO	Reference hourly reading
KS	Compression station
LD_C	Low demand customers (customer category)
LDS	Local distribution system
LNG	Liquefied Natural Gas
MD_C	Medium demand customers (customer category)
MND GS	MND Gas Storage a.s. – a company operating a UGS facility
Moravia GS	Moravia Gas Storage a.s. – a company operating a UGS facility
NET4GAS	NET4GAS, s.r.o., the company that operates the gas transmission system, the TSO
NTL	Low-pressure gas pipeline (up to 5 kPa)
OG	Other gas (includes own use, losses and change in the line pack in distribution systems)
Other companies	NET4GAS, s.r.o., all LDS, gas producers
PKS	Gas for fuelling compression stations in the gas transmission system
PP Distribuce	Pražská plynárenská Distribuce, a.s. – a company operating a regional distribution system

PPE	Combined cycle power station
PPL	Cross-border gas pipeline
R	Region
RDS	Regional distribution system
RWE GS	RWE Gas Storage CZ, s.r.o. – a company operating UGS facilities
STL	Intermediate-pressure gas pipeline (from 5 kPa to 0.4 MPa)
The normal	Long-term normal temperature (“the normal”) calculated by the Czech Hydrometeorological Institute for the gas industry
TS	Transmission system
TSO	Transmission system operator
UGS	Underground gas storage facility
VP	Gas production
VS	Gas producers’ own use
VTL	High-pressure pipeline (from 0.4 MPa)

2 COMMENTARY

Despite the adverse events in the energy sector caused by Russia's invasion of Ukraine, in 2022 natural gas was supplied continuously to customers' requirements, specifically at the standard off-take level, which means full off-take in line with the daily gas off-take as agreed in contracts (public notice 344/2012 on states of emergency in the gas system and on methods of ensuring the security standard of gas supply, as amended).

Natural gas inflows from abroad into the Czech gas system (imports into the Czech Republic) totalled 27,085 million m^3 (290,582 GWh) in 2022, down by 40.7% year-on-year, the drop being due to the geopolitical situation caused by the Russian invasion and the developments related with the invasion. Almost all natural gas was imported via cross-border delivery stations on the German-Czech border. The flow of natural gas from the Czech gas system to other countries (exports from the Czech Republic) totalled 18,473 million m^3 (197,673 GWh). The balances in the Czech gas system are specified in Chapter 3.

Natural gas flows from the underground gas storage facilities (gas withdrawal) that form part of the Czech gas system amounted to 1,963 million m^3 (21,053 GWh). On the other hand, natural gas flows into the gas storage facilities (gas injection) amounted to 3,213 million m^3 (34,579 GWh). In the storage facilities located in the Czech Republic, operating gas stores amounted to 2,922 million m^3 (31,503 GWh) at the end of the year. Separate gas flows from/into storage facilities in 2022 and for the last ten years are shown in Chapter 4.

Natural gas production in the Czech Republic amounted to 148 million m^3 (1,608 GWh), meeting 2% of total gas consumption. Natural gas production rose by 15.9% year-on-year. The report also shows the production of other gases with supply to distribution networks, gas supply to directly connected customers, and gas producers' own use. All these details, including a year-on-year comparison, are set out in Chapter 5.

In 2022, natural gas consumption in the Czech Republic totalled 7,544 million m^3, i.e. 81,547 GWh (in the Czech Republic, the average gross calorific value was 10.81 kWh/m^3, i.e. 38.92 MJ/m^3). Compared with 2021, actual consumption decreased by 20%. The average annual temperature was 9.4 °C, and the difference from long-term normal temperature was +0.9 °C and from average temperature in 2021 it differed by +1.2 °C. Gas consumption in the heating season accounted for around 68% of the total annual consumption. The lowest monthly consumption was measured in July (289 million m^3, i.e. 3,139 GWh), while the peak consumption was registered in January (1,134 million m^3, i.e. 12,119 GWh). An increase in consumption compared with the same period of 2021 was registered in all months of the year under review, most of all in May (33.3%). Adjusted to long-term normal temperature using temperature gradients, in 2022 natural gas consumption amounted to 7,782 million m^3, i.e. 84,120 GWh, down by 16.5% year-on-year. Chapter 6 offers an overall evaluation of natural gas consumption in the Czech Republic in 2022, including a year-on-year comparison, development of consumption over the past ten years, and ambient temperatures.

Despite minor variations, natural gas consumption in the Czech Republic was gradually increasing over the last ten years. The difference between the highest consumption in 2021 and the lowest consumption in 2014 was approximately 2.2 bcm (23.3 TWh). With its total consumption of 7.5 bcm (81.5 TWh), 2022 truncated this increase by the largest ever drop in consumption, specifically by 20%; this indicates the lowest gas consumption over the last eight years. While 2021 saw the highest value from 2005, consumption in 2022 was affected by the war in Ukraine with its adverse impacts on energy markets. Together with all the other EU countries, the Czech Republic was compelled to coordinate measures intended to reduce natural gas consumption. In the summer of 2022, the European Council adopted a Regulation aimed at reducing gas demand by 15%. Supported by warmer weather in the winter months of 2022, the adoption of a number of austerity measures and customers' transition to other energy sources helped to reduce natural gas consumption by almost 1.9 bcm (19.2 TWh), i.e. by 20% year-on-year. Natural gas consumption in the Czech Republic is heavily influenced by air temperatures, which have been above the long-term normal temperature (8.5 °C) for almost the whole of the ten-year period, except for 2021 when temperatures declined by several tenths of a degree below this long-term value. At the same time, a change of 1 °C in the average annual temperature causes a difference of about 300 million m^3 (3,240 GWh) in gas consumption.

The daily temperature gradient, which indicates the change in gas consumption caused by a unit change in temperature, ranged from 0.637 to 1.524 million m^3/day/°C (6,980 to 16,606 MWh/day/°C) throughout the 2022 heating season, i.e. from January to March and from October to December. Summer seasons see the weakest relationship between gas consumption and temperature; in summer, the daily temperature gradient dropped to as low as 0.017 million m^3/day/°C (185 MWh/day/°C). Daily gas consumption in 2022 ranged from 7.090 to 44.045 million m^3 (77,102 to 470,538 MWh) with the ratio of the lowest and highest consumption amounting to 6.2:1. The maximum daily consumption of natural gas of 44.045 million m^3 (470,538 MWh) was recorded on Tuesday 11 January, when the average daily temperature was -3.8 °C. Retroactively for that day, the reference hourly reading (KHO) was declared; it represents hourly gas supply and consumption values from gas businesses, on the basis of which the reference hourly reading in the Czech gas system is determined. These readings suggested that hourly consumption peaked during the morning and afternoon hours, while a more significant decline in consumption occurred during the night. Between 08:00 and 09:00, gas consumption peaked at 2.107 million m^3 (22,505 MWh) while the average temperature was -4.8 °C for that hour. The overall evaluation of the reference hourly reading in the Czech gas system is shown in detail in Chapter 7.

In terms of gas consumption by customer category, in 2022 the high-demand category took the largest share (as usual) of total gas consumption, 47.9%, followed by the household category with 26.4%, the low-demand category with 14.3%, and the medium-demand category with 9.8%. Other gas, which includes own use, losses, changes in the line pack in distribution systems, and gas producers' own use, accounted for 1.6% of the country's total gas consumption. In terms of gas use, the business sector took the largest share of total consumption: 49.3%, followed by households: 26.4%, heat production: 13.4%, electricity generation: 8.1%, and supply to CNG stations: 1.2%. The largest drop was recorded in gas consumption for electricity generation, specifically by more than 50%. Chapter 8 shows the total share of each of the demand categories in total natural gas consumption in the Czech Republic in 2022 and over the past ten years.

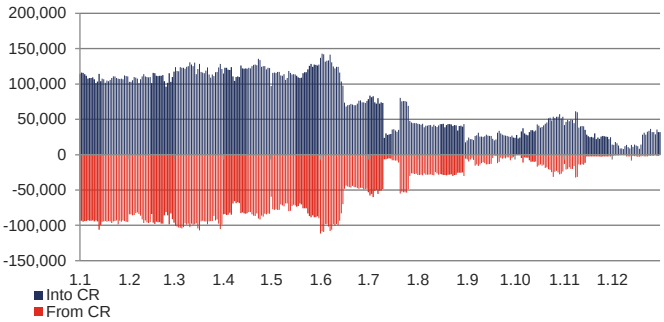
As at 31 December 2022, a total of 2,781,284 customers were connected to the gas system in the Czech Republic. Households accounted for more than 92% of them. The largest numbers of household gas customers are in Prague, the Jihomoravský Region, and the Moravskoslezský Region. Over the last ten years, the number of all customers declined by 79,061. In 2022, the number of customers declined by 38,729 year-on-year, which is the largest ever drop. The largest number of connected customers over the last ten years, 2,860,345, was seen in 2013. A detailed breakdown of gas consumption and gas pipeline length by distribution system is presented in Chapter 9. Historical data shows the development of natural gas and town gas consumption and customer numbers between 1953 and 2022. In that period, the gas system experienced vigorous development in all segments of gas demand, including the infrastructure. In the 1980s and 1990s, the gradual conversion from town gas to natural gas (with the last town gas supply discontinued in June 1996) contributed to the growth in natural gas consumption. Since 2001, when the highest ever annual natural gas consumption (9.8 bcm, 102.6 TWh) was achieved, consumption was stable and between 2007 and 2015 it even declined quite significantly. The flat and then declining consumption was mainly attributable to changes in energy prices, the end of governmental subsidies for connections to gas supply, the slowdown in the gradual rollout of gas networks in the regions, reductions in the energy intensity of loads (thermal insulation of buildings, modernisation of appliances), companies' pressures for cost cutting, savings in outlays on energy in periods with transitional temperatures, the absence of major projects for connecting new high-demand customers, etc. With the exception of 2018, between 2015 and 2021 consumption was gradually rising and reached 9.4 bcm, i.e. 99.5 TWh. However, this increase was truncated in 2022 by the warfare developments in Ukraine and the associated impacts on the energy sector. In 2006, the highest daily consumption of natural gas was measured, 67.6 million m^3 (713.3 GWh), and 2009 saw the largest number of connected customers, 2,871,547 (Chapter 12). The historical data is complete with average air temperatures between 1993 and 2022.

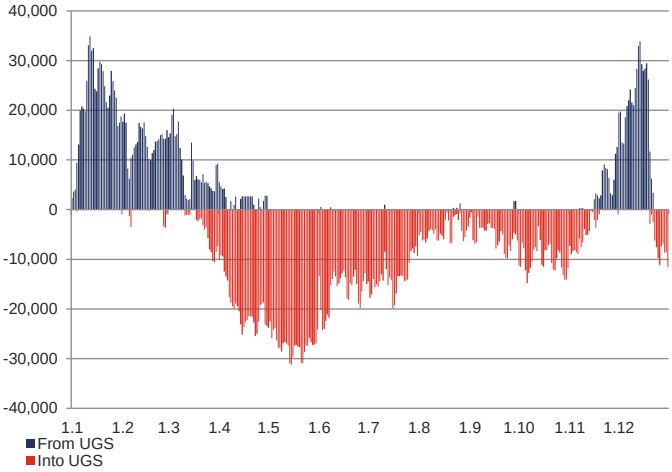
3 GAS SYSTEM

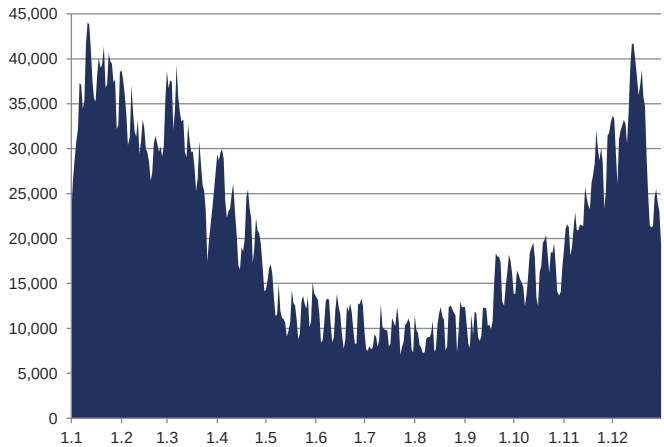
3.1 Yearly balance in the Czech gas system

			th m³/yr	MWh/yr
Gas flow into/from the Czech gas system	Into CR	Via BTS	27,083,087	290,566,266
		Via PPL	1,483	16,193
		Total	27,084,570	290,582,459
	From CR	Via BTS	18,471,389	197,660,385
		Via PPL	1,171	12,765
		Total	18,472,561	197,673,150
	Net balance into/from CR	**Via BTS**	**8,611,698**	**92,905,881**
		Via PPL	**311**	**3,428**
		Total	**8,612,009**	**92,909,309**
Gas flow from/into UGS that form part of the Czech gas system	From UGS	RWE GS	1,499,140	16,042,382
		MND GS	203,850	2,193,515
		Moravia GS	260,364	2,816,331
		Total	1,963,354	21,052,228
	Into UGS	RWE GS	2,503,660	26,866,423
		MND GS	274,351	2,960,575
		Moravia GS	439,762	4,802,597
		Total	3,217,773	34,629,595
	Net balance from/into UGS	**RWE GS**	**-1,004,521**	**-10,824,040**
		MND GS	**-70,500**	**-767,060**
		Moravia GS	**-179,398**	**-1,986,266**
		Total	**-1,254,419**	**-13,577,367**
	Total stores in UGS		**2,922,196**	**31,503,432**
Gas production in the CR	Connected to RDS	From VP to DS	136,170	1,478,712
		VS	1,806	21,938
		Total	137,976	1,500,650
	Connected to LDS	From VP to DS	10,187	106,936
		VS	15	162
		Total	10,202	107,098
	Total	**From VP to DS**	**146,356**	**1,585,648**
		VS	**1,822**	**22,100**
		Total	**148,178**	**1,607,748**
Gas consumption in the CR	Consumption in RDS	Customers	7,018,114	75,842,271
		OG	109,719	1,183,779
		Total	7,127,834	77,026,049
	Consumption in LDS not included in RDS	Customers	10,087	105,860
		OG	15	162
		Total	10,103	106,022
	Gas production (VS)		1,806	21,938
	Customers connected directly to TS		392,570	4,269,054
	Total CR	**Customers**	**7,420,771**	**80,217,184**
		OG+VS+PKS	**122,991**	**1,329,514**
		Total	**7,543,762**	**81,546,698**
Balancing difference in the TS			**37,994**	**607,008**

Aggregate gas quantity in thousands m³/day



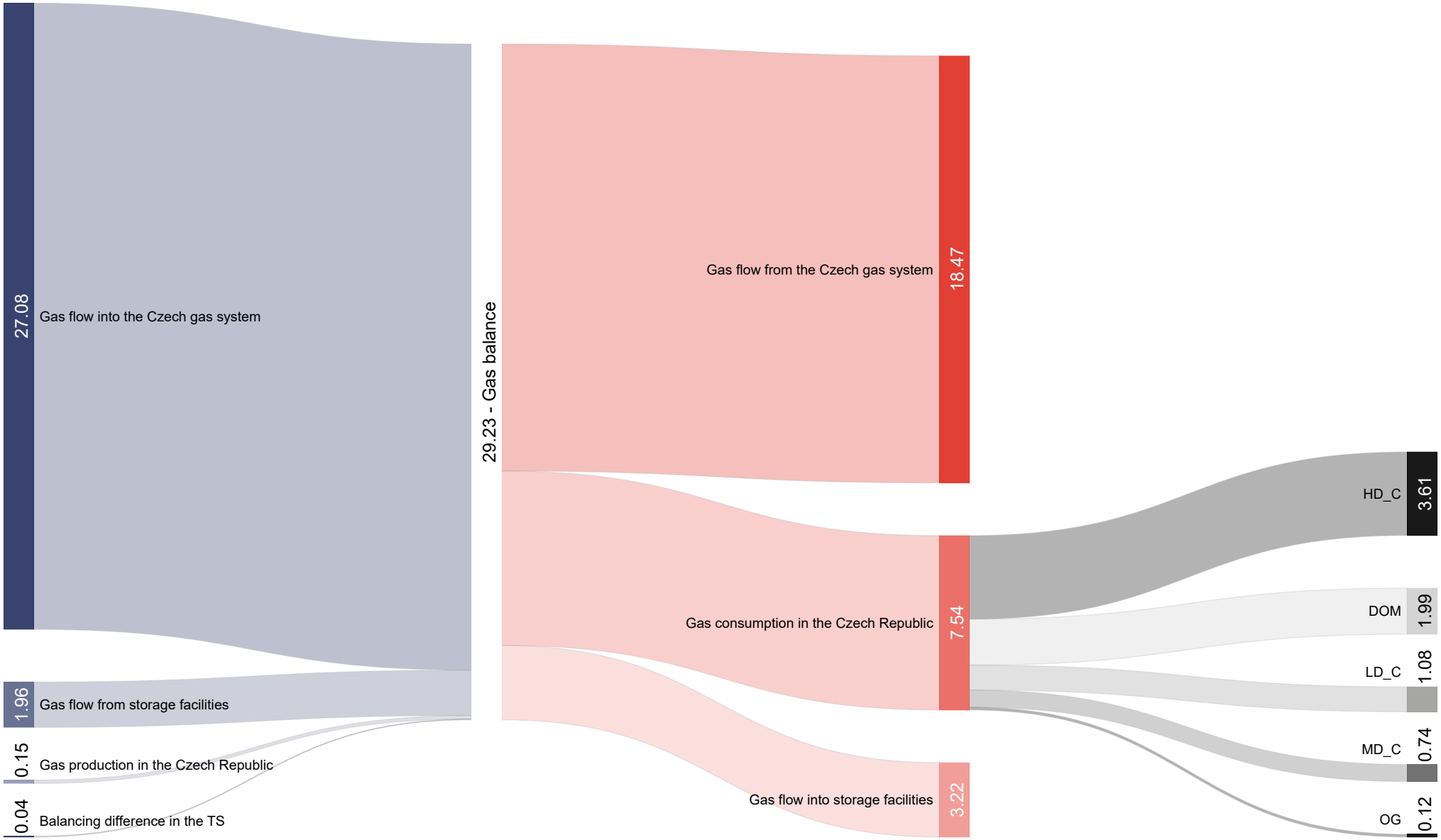




Note: The opposite signs of values in volumetric and energy units of the 'Balancing difference in the transmission system' are due to the different gross calorific values at entry into and exit from the gas system. It represents unmetered values of the difference-causing quantities in the total balance in the transmission system.

3.2. Yearly balance in the Czech gas system

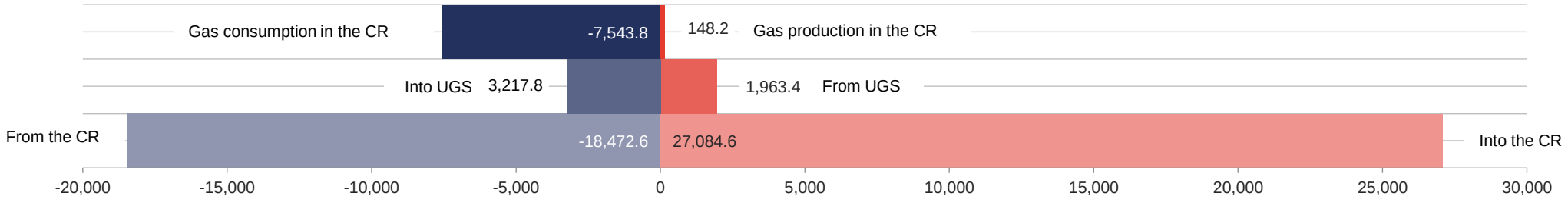
Gas balance for 2022 (bcm)



3.3 Balance in the Czech gas system in 2022

Period	million m³									GWh								
	Gas flow into/from the Czech gas system			Gas flow from/into UGS that form part of the Czech gas system			Gas production in the CR (total including VS)	Balancing difference in the TS	Gas consumption in the CR	Gas flow into/from the Czech gas system			Gas flow from/into UGS that form part of the Czech gas system			Gas production in the CR (total including VS)	Balancing difference in the TS	Gas consumption in the CR
	Into CR	From CR	Net balance into/from CR	From UGS	Into UGS	Net balance from/into UGS				Into CR	From CR	Net balance into/from CR	From UGS	Into UGS	Net balance from/into UGS			
January	3,368.4	2,936.9	431.6	678.6	2.2	676.4	12.4	13.9	1,134.3	35,946.5	31,350.2	4,596.4	7,240.7	23.5	7,217.2	134.9	170.3	12,118.8
February	3,030.9	2,527.8	503.1	384.9	13.7	371.2	10.9	5.3	890.5	32,344.4	26,981.2	5,363.1	4,108.9	146.8	3,962.1	118.7	83.1	9,527.0
March	3,740.1	3,041.2	698.8	267.3	82.8	184.5	12.2	27.1	922.6	39,968.9	32,474.9	7,494.0	2,860.9	885.9	1,975.0	132.2	308.2	9,909.5
April	3,646.3	2,450.7	1,195.5	58.1	584.0	-525.8	11.4	-9.8	671.4	38,983.4	26,179.5	12,803.9	622.8	6,238.7	-5,615.9	123.5	-73.5	7,238.0
May	3,600.6	2,386.8	1,213.8	0.0	843.4	-843.4	12.3	6.1	388.9	38,454.3	25,494.6	12,959.7	0.0	9,010.2	-9,010.2	133.5	96.6	4,179.7
June	2,992.1	2,183.8	808.3	1.1	488.8	-487.8	12.3	3.5	336.4	32,016.8	23,344.8	8,672.0	11.3	5,233.3	-5,222.1	133.7	65.9	3,649.5
July	1,764.6	1,059.5	705.0	1.0	419.2	-418.2	12.8	-11.0	288.6	18,995.6	11,372.5	7,623.0	10.5	4,537.4	-4,527.0	138.4	-95.6	3,138.9
August	1,260.4	841.7	418.7	2.0	132.5	-130.5	12.1	10.8	311.1	13,573.8	9,053.7	4,520.1	21.2	1,427.8	-1,406.6	131.5	132.6	3,377.6
September	776.2	253.6	522.6	3.6	156.1	-152.5	12.0	1.3	383.4	8,502.5	2,770.1	5,732.4	38.7	1,700.6	-1,661.9	130.3	-5.6	4,195.3
October	1,243.3	436.4	806.9	0.0	312.1	-312.0	13.4	-0.7	507.6	13,613.8	4,778.0	8,835.9	0.5	3,422.5	-3,422.0	145.3	4.4	5,563.6
November	1,046.5	298.5	748.0	90.4	98.6	-8.2	13.0	-9.8	743.0	11,448.8	3,269.7	8,179.2	979.8	1,078.4	-98.6	140.8	-100.3	8,121.1
December	615.2	55.6	559.6	476.4	84.5	391.9	13.3	1.3	966.2	6,733.6	604.1	6,129.5	5,157.0	924.5	4,232.5	145.0	20.7	10,527.8
1Q	10,139.4	8,505.9	1,633.5	1,330.8	98.8	1,232.1	35.6	46.2	2,947.4	108,259.8	90,806.3	17,453.6	14,210.5	1,056.2	13,154.3	385.7	561.7	31,555.2
2Q	10,239.0	7,021.3	3,217.6	59.2	1,916.2	-1,857.0	36.1	-0.1	1,396.6	109,454.5	75,018.8	34,435.6	634.1	20,482.2	-19,848.1	390.6	89.0	15,067.2
3Q	3,801.2	2,154.9	1,646.3	6.5	707.7	-701.2	36.9	1.0	983.0	41,071.9	23,196.3	17,875.6	70.3	7,665.8	-7,595.5	400.3	31.5	10,711.8
4Q	2,905.1	790.5	2,114.6	566.8	495.1	71.7	39.6	-9.1	2,216.7	31,796.2	8,651.7	23,144.5	6,137.3	5,425.4	711.9	431.1	-75.1	24,212.5
1H	20,378.3	15,527.2	4,851.1	1,390.0	2,014.9	-624.9	71.7	46.1	4,344.0	217,714.3	165,825.1	51,889.2	14,844.6	21,538.4	-6,693.8	776.4	650.6	46,622.4
2H	6,706.2	2,945.3	3,760.9	573.3	1,202.8	-629.5	76.5	-8.1	3,199.8	72,868.1	31,848.0	41,020.1	6,207.6	13,091.1	-6,883.5	831.4	-43.6	34,924.3
Year	27,084.6	18,472.6	8,612.0	1,963.4	3,217.8	-1,254.4	148.2	38.0	7,543.8	290,582.5	197,673.2	92,909.3	21,052.2	34,629.6	-13,577.4	1,607.7	607.0	81,546.7

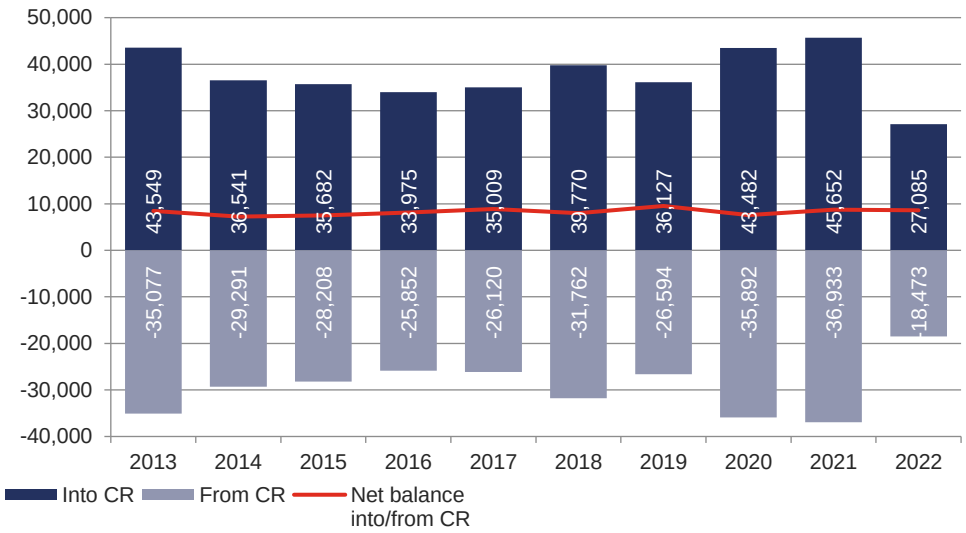
Gas flows (million m³)



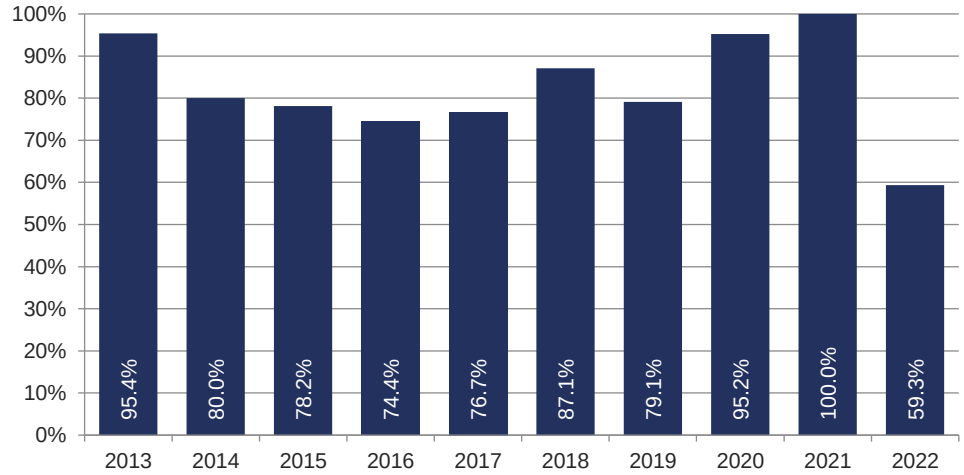
3.4 Balance in the Czech gas system over the last 10 years

Period	million m³									GWh								
	Gas flow into/from the Czech gas system			Gas flow from/into UGS that form part of the Czech gas system			Gas production in the CR (total including VS)	Balancing difference in the TS	Gas consumption in the CR	Gas flow into/from the Czech gas system			Gas flow from/into UGS that form part of the Czech gas system			Gas production in the CR (total including VS)	Balancing difference in the TS	Gas consumption in the CR
	Into CR	From CR	Net balance into/from CR	From UGS	Into UGS	Net balance from/into UGS				Into CR	From CR	Net balance into/from CR	From UGS	Into UGS	Net balance from/into UGS			
2013	43,548.7	35,077.5	8,471.3	2,231.3	2,477.4	-246.1	163.4	-111.5	8,277.1	462,167.0	372,093.3	90,073.8	23,677.8	26,513.4	-2,835.6	1,773.9	-1,043.4	87,968.6
2014	36,540.7	29,291.4	7,249.3	2,146.4	2,130.9	15.5	168.0	-152.5	7,280.4	388,422.3	311,501.4	76,920.9	22,916.8	22,677.2	239.6	1,814.3	-1,565.6	77,409.1
2015	35,681.7	28,207.9	7,473.8	2,803.3	2,656.4	146.9	158.4	-171.6	7,607.6	380,348.5	300,692.9	79,655.6	29,877.4	28,409.9	1,467.5	1,722.2	-1,777.4	81,067.9
2016	33,974.7	25,851.6	8,123.1	2,783.0	2,639.4	143.6	135.9	-147.4	8,255.1	362,845.2	276,069.6	86,775.6	29,778.4	28,289.6	1,488.8	1,472.6	-1,493.9	88,243.2
2017	35,009.2	26,120.1	8,889.1	2,383.4	2,808.6	-425.2	146.2	-82.6	8,527.5	373,373.5	278,591.5	94,781.9	25,481.6	29,988.3	-4,506.7	1,579.5	-858.5	90,996.2
2018	39,769.8	31,761.8	8,008.0	2,940.9	2,915.4	25.5	137.1	12.2	8,182.8	424,106.7	338,775.2	85,331.6	31,427.3	31,142.0	285.3	1,476.5	213.1	87,306.4
2019	36,127.1	26,593.9	9,533.2	1,270.5	2,360.9	-1,090.3	130.8	-9.0	8,564.6	385,377.8	283,856.6	101,521.2	13,570.5	25,172.0	-11,601.5	1,410.2	67.7	91,397.6
2020	43,481.6	35,891.6	7,590.0	3,039.9	2,018.9	1,020.9	122.7	-39.4	8,694.2	464,283.6	383,388.2	80,895.4	32,462.1	21,605.5	10,856.6	1,333.5	-191.0	92,894.4
2021	45,652.3	36,933.4	8,718.9	3,110.8	2,522.9	587.9	127.9	-0.9	9,433.7	486,992.2	394,171.9	92,820.3	33,243.4	26,927.9	6,315.5	1,383.8	217.8	100,737.5
2022	27,084.6	18,472.6	8,612.0	1,963.4	3,217.8	-1,254.4	148.2	38.0	7,543.8	290,582.5	197,673.2	92,909.3	21,052.2	34,629.6	-13,577.4	1,607.7	607.0	81,546.7

Gas flow into/from the Czech gas system (million m³)



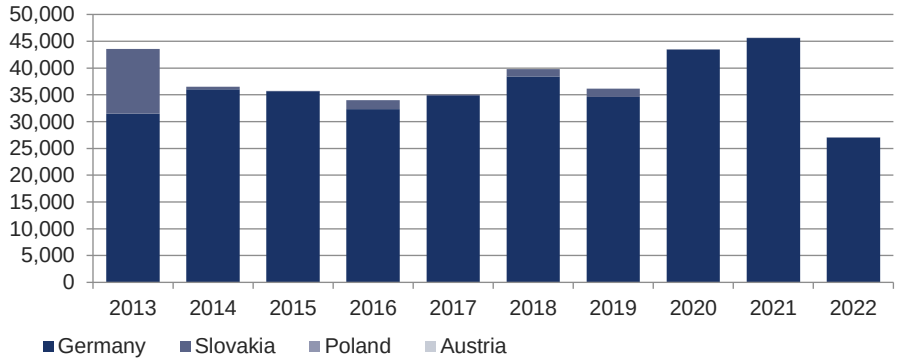
Annual gas inflows into the CR: their percentages of the largest gas flow (in 2021) over the past 10 years



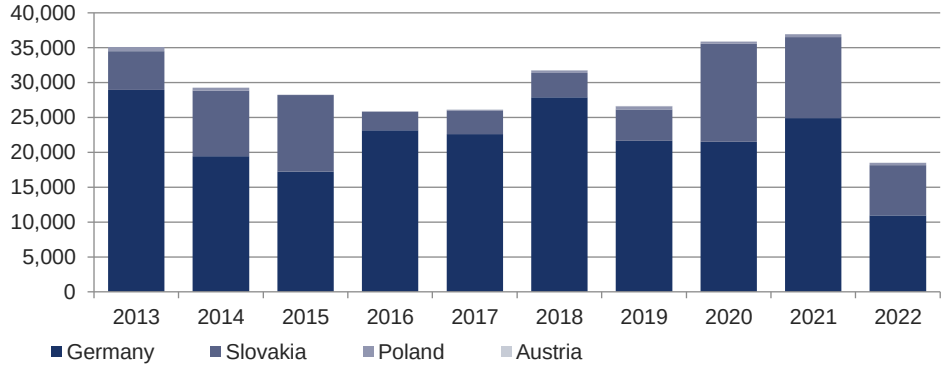
3.5 Gas flow into/from the Czech gas system, including DS, by entry/exit country over the last 10 years

	Period	Gas flow into the Czech gas system, including distribution systems, by entry country					Gas flow from the Czech gas system, including distribution systems, by exit country					Net balance into/from CR				
		Germany	Slovakia	Poland	Austria	Total	Germany	Slovakia	Poland	Austria	Total	Germany	Slovakia	Poland	Austria	Total
million m^3	2013	31,484.9	12,063.9	0.0	0.0	**43,548.7**	28,960.2	5,522.0	595.2	0.0	**35,077.5**	2,524.6	6,541.8	-595.2	0.0	**8,471.3**
	2014	36,041.8	498.9	0.0	0.0	**36,540.7**	19,445.7	9,425.7	420.1	0.0	**29,291.4**	16,596.1	-8,926.7	-420.1	0.0	**7,249.3**
	2015	35,668.4	13.3	0.0	0.0	**35,681.7**	17,255.7	10,934.9	17.3	0.0	**28,207.9**	18,412.7	-10,921.5	-17.3	0.0	**7,473.8**
	2016	32,326.0	1,648.6	0.0	0.0	**33,974.7**	23,167.6	2,677.9	6.1	0.0	**25,851.6**	9,158.4	-1,029.3	-6.1	0.0	**8,123.1**
	2017	34,749.5	259.7	0.0	0.0	**35,009.2**	22,628.8	3,372.3	118.1	0.9	**26,120.1**	12,120.7	-3,112.7	-118.1	-0.9	**8,889.1**
	2018	38,428.4	1,341.4	0.0	0.0	**39,769.8**	27,888.9	3,505.0	366.6	1.3	**31,761.8**	10,539.5	-2,163.6	-366.6	-1.3	**8,008.0**
	2019	34,582.6	1,544.5	0.0	0.0	**36,127.1**	21,639.1	4,514.3	439.7	0.9	**26,593.9**	12,943.6	-2,969.8	-439.7	-0.9	**9,533.2**
	2020	43,459.1	22.5	0.0	0.0	**43,481.6**	21,512.7	14,040.6	338.3	0.0	**35,891.6**	21,946.4	-14,018.1	-338.3	0.0	**7,590.0**
	2021	45,604.9	47.4	0.0	0.0	**45,652.3**	24,926.5	11,593.9	412.9	0.0	**36,933.4**	20,678.4	-11,546.5	-412.9	0.0	**8,718.9**
	2022	26,991.0	93.6	0.0	0.0	**27,084.6**	10,940.9	7,199.7	331.2	0.8	**18,472.6**	16,050.1	-7,106.0	-331.2	-0.8	**8,612.0**
GWh	2013	333,485.9	128,681.1	0.0	0.0	**462,167.0**	307,072.7	58,697.2	6,323.4	0.0	**372,093.3**	26,413.2	69,984.0	-6,323.4	0.0	**90,073.8**
	2014	383,075.0	5,347.3	0.0	0.0	**388,422.3**	206,786.8	100,241.2	4,473.5	0.0	**311,501.4**	176,288.2	-94,893.8	-4,473.5	0.0	**76,920.9**
	2015	380,205.7	142.8	0.0	0.0	**380,348.5**	183,958.6	116,549.4	184.8	0.0	**300,692.9**	196,247.0	-116,406.7	-184.8	0.0	**79,655.6**
	2016	345,084.1	17,761.1	0.0	0.0	**362,845.2**	247,382.0	28,622.9	64.7	0.0	**276,069.6**	97,702.2	-10,861.8	-64.7	0.0	**86,775.6**
	2017	370,577.7	2,795.7	0.0	0.0	**373,373.5**	241,348.0	35,974.7	1,259.2	9.6	**278,591.5**	129,229.8	-33,179.0	-1,259.2	-9.6	**94,781.9**
	2018	409,678.9	14,427.9	0.0	0.0	**424,106.7**	297,451.7	37,396.0	3,913.7	13.8	**338,775.2**	112,227.2	-22,968.1	-3,913.7	-13.8	**85,331.6**
	2019	368,764.4	16,613.5	0.0	0.0	**385,377.8**	230,951.3	48,194.4	4,701.5	9.5	**283,856.6**	137,813.1	-31,580.9	-4,701.5	-9.5	**101,521.2**
	2020	464,042.2	241.4	0.0	0.0	**464,283.6**	229,740.5	150,038.4	3,609.3	0.0	**383,388.2**	234,301.7	-149,797.0	-3,609.3	0.0	**80,895.4**
	2021	486,483.0	509.3	0.0	0.0	**486,992.2**	265,993.1	123,773.9	4,404.8	0.0	**394,171.9**	220,489.8	-123,264.7	-4,404.8	0.0	**92,820.3**
	2022	289,565.6	1,016.9	0.0	0.0	**290,582.5**	116,976.4	77,123.0	3,564.8	9.0	**197,673.2**	172,589.1	-76,106.1	-3,564.8	-9.0	**92,909.3**

Gas flow into the Czech gas system, including distribution systems, by entry country (million m^3)



Gas flow from the Czech gas system, including distribution systems, by exit country (million m^3)

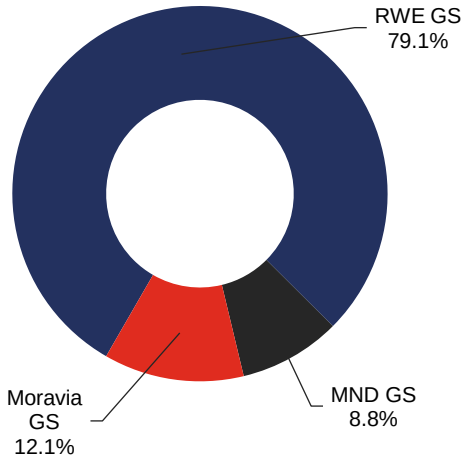


4 UNDERGROUND GAS STORAGE FACILITIES

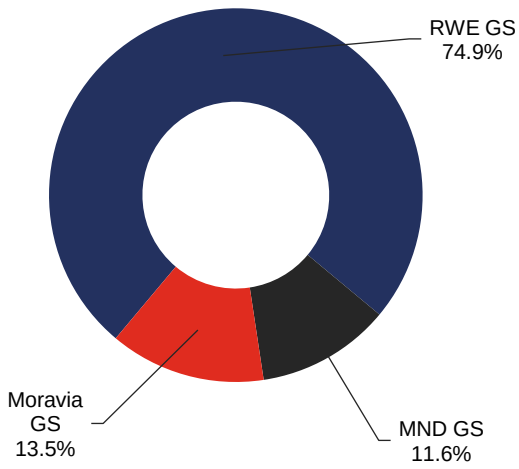
4.1 Gas flow from/into UGS that form part of the Czech gas system

	SSOs	Number of UGS facilities for the CR's needs	Gas flow from/into UGS			Level of operating stores as at 31 December		Highest level of operating stores	Maximum level of operating stores	Achieved level of stores as a percentage of the maximum level of operating stores	Highest achieved daily gas withdrawal	Maximum daily gas withdrawal capacity	Achieved daily withdrawal as a percentage of the maximum gas withdrawal capacity
			From UGS	Into UGS	Net balance from/into UGS	At the end of preceding year	At the end of the year under review						
million m^3	RWE GS	6	1,499.1	2,498.9	-999.7	1,367.6	2,363.9	2,699.3	2,712.0	99.5%	37.7	60.0	62.8%
	MND GS	1	203.9	274.4	-70.5	180.9	242.8	299.6	320.0	93.6%	5.8	9.0	64.7%
	Moravia GS	1	260.4	439.8	-179.4	141.4	315.5	412.2	420.0	98.1%	6.8	7.5	90.5%
	Total	8	1,963.4	3,213.0	-1,249.6	1,689.9	2,922.2	3,411.1	3,452.0	98.8%	50.3	76.5	65.7%
GWh	RWE GS	6	16,042.4	26,815.1	-10,772.7	14,823.0	25,562.3	29,180.8	28,766.2	101.4%	402.4	636.4	63.2%
	MND GS	1	2,193.5	2,960.9	-767.4	1,887.2	2,560.2	3,176.8	3,420.0	92.9%	62.2	96.0	64.8%
	Moravia GS	1	2,816.8	4,802.7	-1,985.9	1,452.2	3,380.9	4,430.7	4,486.0	98.8%	73.7	80.1	92.0%
	Total	8	21,052.7	34,578.7	-13,526.0	18,162.5	31,503.4	36,788.3	36,672.2	100.3%	538.4	812.5	66.3%

SSOs' shares of the highest achieved level of operating stores



SSOs' shares of the highest daily gas withdrawal

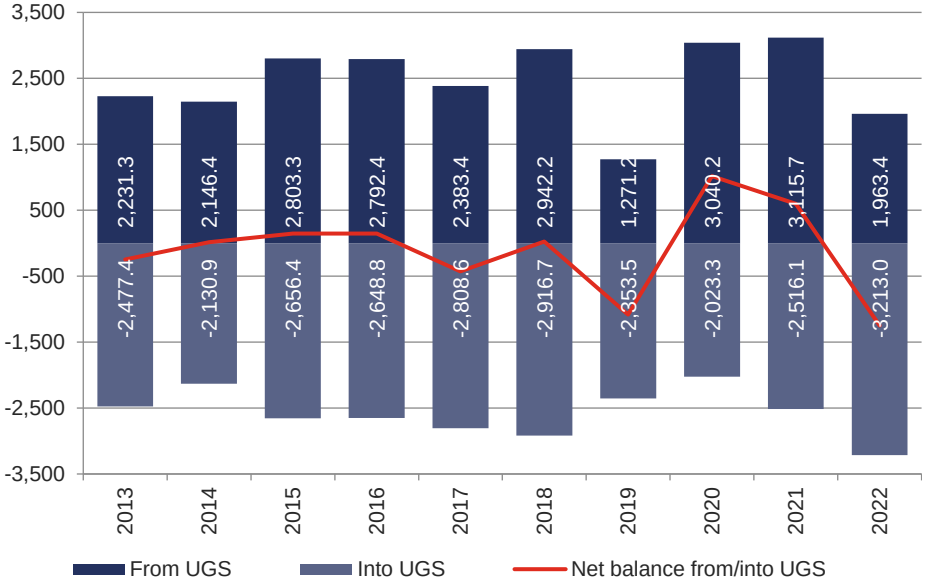


Note: Any differences between stored gas levels and withdrawal from and injection into UGS facilities are due to geological losses, own use, transfer of gas to the cushion, or increase in the stored reserves in the UGS facilities.

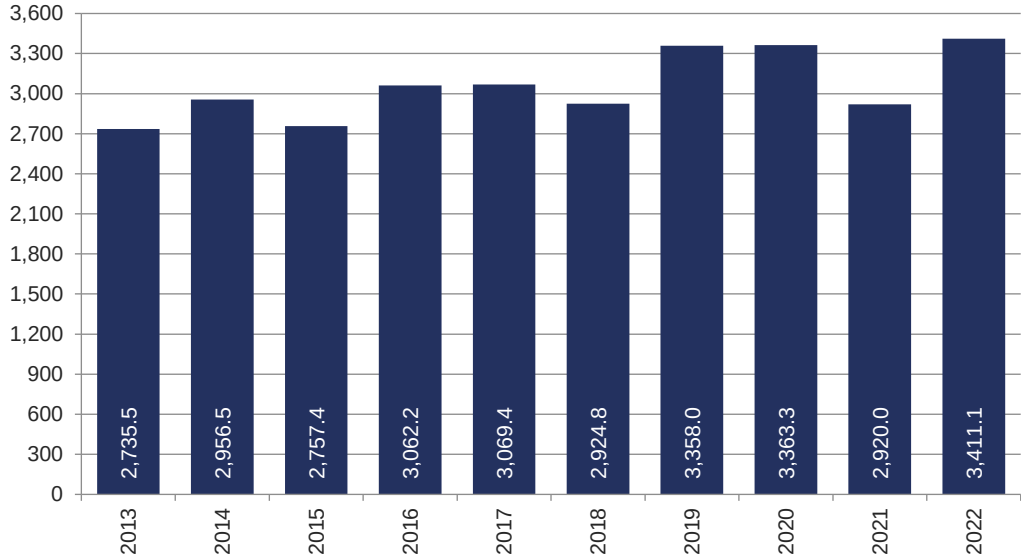
4.2 Gas flow from/into UGS that form part of the Czech gas system over the last 10 years

Period	Number of UGS facilities for the CR's needs	million m³						GWh					
		From UGS	Into UGS	Net balance from/into UGS	Level of operating stores as at 31 December		Highest level of operating stores	From UGS	Into UGS	Net balance from/into UGS	Level of operating stores as at 31 December		Highest level of operating stores
					At the end of preceding year	At the end of the year under review					At the end of preceding year	At the end of the year under review	
2013	7	2,231.3	2,477.4	-246.1	1,921.5	2,168.1	2,735.5	23,677.8	26,513.4	-2,835.6	20,428.6	23,283.0	29,346.1
2014	7	2,146.4	2,130.9	15.5	2,168.1	2,152.6	2,956.5	22,916.8	22,677.2	239.6	23,283.0	23,043.4	31,606.6
2015	7	2,803.3	2,656.4	146.9	2,152.6	2,005.6	2,757.4	29,877.4	28,409.9	1,467.5	23,043.4	21,576.0	29,609.7
2016	8	2,792.4	2,648.8	143.6	2,005.6	1,855.1	3,062.2	29,879.4	28,390.6	1,488.8	21,576.0	20,012.8	32,957.6
2017	8	2,383.4	2,808.6	-425.2	1,855.1	2,247.4	3,069.4	25,481.6	29,988.3	-4,506.7	20,012.8	24,176.5	32,952.1
2018	8	2,942.2	2,916.7	25.5	2,247.4	2,205.1	2,924.8	31,441.2	31,155.9	285.3	24,176.5	23,710.9	31,399.3
2019	8	1,271.2	2,353.5	-1,082.3	2,205.1	3,262.8	3,358.0	13,577.5	25,093.7	-11,516.2	23,710.9	34,961.9	35,976.6
2020	8	3,040.2	2,023.3	1,016.9	3,262.8	2,226.2	3,363.3	32,465.6	21,652.3	10,813.3	34,961.9	23,935.5	36,109.7
2021	8	3,115.7	2,516.1	599.6	2,226.2	1,689.9	2,920.0	33,295.7	26,855.0	6,440.7	23,935.5	18,162.5	31,318.3
2022	8	1,963.4	3,213.0	-1,249.6	1,689.9	2,922.2	3,411.1	21,052.7	34,578.7	-13,526.0	18,162.5	31,503.4	36,788.3

Gas flow from/into UGS that form part of the Czech gas system (million m³)



Highest level of operating stores (million m³)



Note: Any differences between stored gas levels and withdrawal from and injection into UGS facilities are due to geological losses, own use, transfer of gas to the cushion, or increase in the stored reserves in the UGS facilities. Moravia Gas Storage a.s. commissioned the Damboříce UGS facility on 1 July 2016.

5 PRODUCTION OF ALL GASES

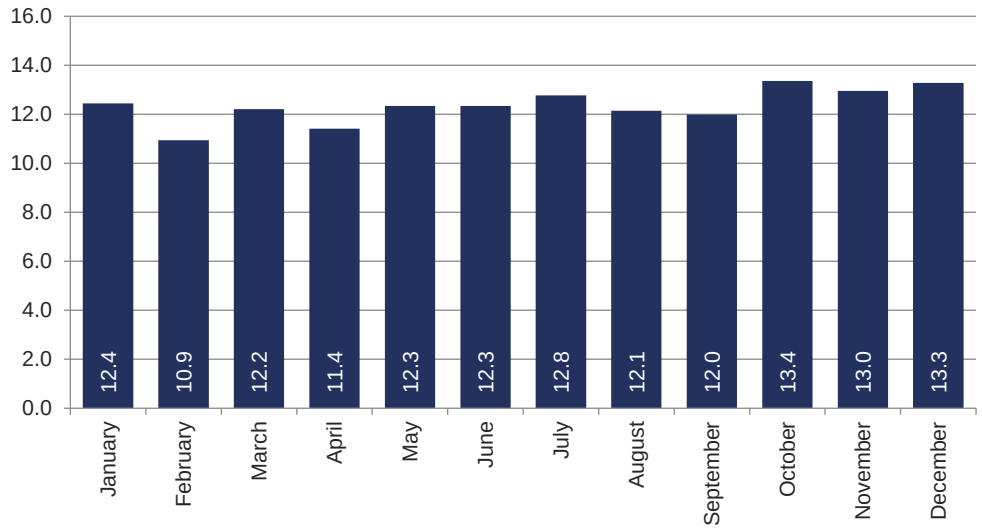
5.1 Production of all gases in the Czech Republic

	Gas type	Type of production	thousands m^3 2022	2021	Y/y change	MWh 2022	2021
Total gas production, including losses and own use	Natural gas for distribution	A	136,675.2	114,205.2	19.7%	1,487,331.1	1,240,594.4
	Carbonic natural gas	A1	9,513.2	11,525.5	-17.5%	99,769.5	120,865.5
	Natural gas (LNG)	A2	686.7	990.8	-30.7%	7,307.2	10,402.9
	Propane, butane and their mixtures	B	0.0	0.0		0.0	0.0
	Coke-oven gas	C	418,617.3	479,393.6	-12.7%	2,218,305.2	2,575,519.6
	Mine gas	D	75,699.6	75,933.7	-0.3%	792,827.2	795,279.0
	Landfill gas	E	5,004.3	5,844.1	-14.4%	21,549.8	25,051.3
	Biogas	F	0.0	0.0		0.0	0.0
	Producer gas	G	0.0	0.0		0.0	0.0
	Biomethane	M	1,300.9	1,144.2	13.7%	13,319.4	11,968.7
	Other	Z	0.0	0.0		0.0	0.0
	Total natural gas production	**A+A1+A2+M**	**148,176.1**	**127,865.7**	**15.9%**	**1,607,727.3**	**1,383,831.5**
	All gases	**Total**	**647,497.3**	**689,037.0**	**-6.0%**	**4,640,409.5**	**4,779,681.4**
Gas supply from the production installation to the distribution system	Natural gas for distribution	A	134,868.8	112,467.1	19.9%	1,465,392.9	1,220,117.1
	Carbonic natural gas	A1	9,513.2	11,525.5	-17.5%	99,769.5	120,865.5
	Natural gas (LNG)	A2	0.0	0.0		0.0	0.0
	Propane, butane and their mixtures	B	0.0	0.0		0.0	0.0
	Coke-oven gas	C	418,617.3	479,393.6	-12.7%	2,218,305.2	2,575,519.6
	Mine gas	D	75,699.6	75,933.7	-0.3%	792,827.2	795,279.0
	Landfill gas	E	3,217.7	3,270.5	-1.6%	13,853.6	14,102.3
	Biogas	F	0.0	0.0		0.0	0.0
	Producer gas	G	0.0	0.0		0.0	0.0
	Biomethane	M	1,300.9	1,144.2	13.7%	13,319.4	11,968.7
	Other	Z	0.0	0.0		0.0	0.0
	Total natural gas production	**A+A1+A2+M**	**145,683.0**	**125,136.9**	**16.4%**	**1,578,481.9**	**1,352,951.3**
	All gases	**Total**	**643,217.6**	**683,734.6**	**-5.9%**	**4,603,467.9**	**4,737,852.2**
Gas supply from the production installation to customers connected directly to the gas production installation	Natural gas for distribution	A	0.0	0.0		0.0	0.0
	Carbonic natural gas	A1	0.0	0.0		0.0	0.0
	Natural gas (LNG)	A2	686.7	990.8	-30.7%	7,307.2	10,402.9
	Propane, butane and their mixtures	B	0.0	0.0		0.0	0.0
	Coke-oven gas	C	0.0	0.0		0.0	0.0
	Mine gas	D	0.0	0.0		0.0	0.0
	Landfill gas	E	1,786.6	2,573.6	-30.6%	7,696.2	10,949.0
	Biogas	F	0.0	0.0		0.0	0.0
	Producer gas	G	0.0	0.0		0.0	0.0
	Biomethane	M	0.0	0.0		0.0	0.0
	Other	Z	0.0	0.0		0.0	0.0
	Total natural gas production	**A+A1+A2+M**	**686.7**	**990.8**	**-30.7%**	**7,307.2**	**10,402.9**
	All gases	**Total**	**2,473.3**	**3,564.4**	**-30.6%**	**15,003.4**	**21,351.9**
Gas producers' own use	Natural gas for distribution	A	1,806.4	1,738.0	3.9%	21,938.2	20,477.3
	Carbonic natural gas	A1	0.0	0.0		0.0	0.0
	Natural gas (LNG)	A2	0.0	0.0		0.0	0.0
	Propane, butane and their mixtures	B	0.0	0.0		0.0	0.0
	Coke-oven gas	C	0.0	0.0		0.0	0.0
	Mine gas	D	0.0	0.0		0.0	0.0
	Landfill gas	E	0.0	0.0		0.0	0.0
	Biogas	F	0.0	0.0		0.0	0.0
	Producer gas	G	0.0	0.0		0.0	0.0
	Biomethane	M	0.0	0.0		0.0	0.0
	Other	Z	0.0	0.0		0.0	0.0
	Total natural gas production	**A+A1+A2+M**	**1,806.4**	**1,738.0**	**3.9%**	**21,938.2**	**20,477.3**
	All gases	**Total**	**1,806.4**	**1,738.0**	**3.9%**	**21,938.2**	**20,477.3**

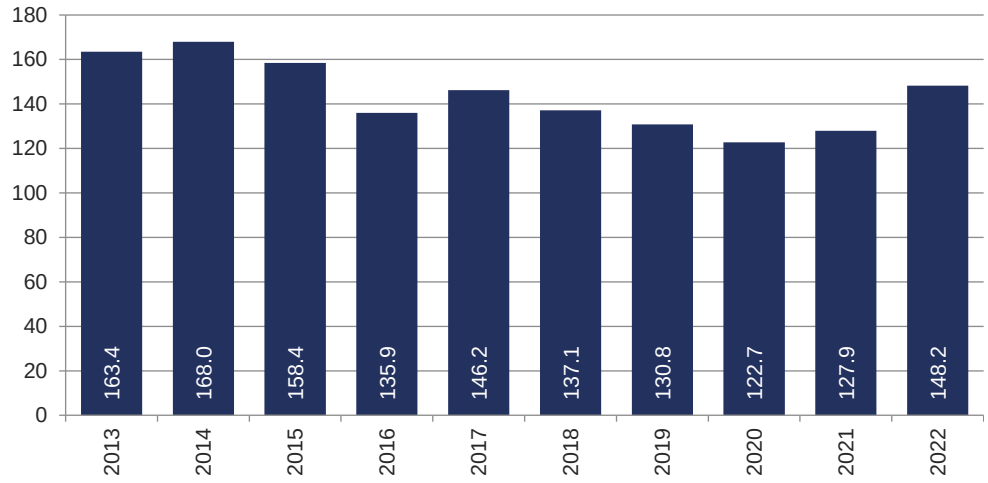
5.2 Natural gas production in the Czech Republic over the last 10 years

Period	Number of gas production installations in the CR	million m³				GWh			
		Total gas production, including losses and own use	Gas supply from the production installation to the distribution systém	Gas supply from the production installation to customers connected directly to the gas production installation	Gas producers' own use	Total gas production, including losses and own use	Gas supply from the production installation to the distribution systém	Gas supply from the production installation to customers connected directly to the gas production installation	Gas producers' own use
2013	5	163.437	151.886	0.000	11.551	1,773.850	1,647.009	0.000	126.841
2014	5	168.004	143.926	0.000	24.078	1,814.261	1,552.146	0.000	262.115
2015	5	158.421	152.537	0.000	5.884	1,722.212	1,658.191	0.000	64.021
2016	5	135.921	132.840	0.000	3.081	1,472.636	1,439.391	0.000	33.245
2017	6	146.244	138.719	0.517	7.526	1,579.547	1,498.535	5.513	81.011
2018	6	137.114	127.776	0.027	9.310	1,476.504	1,374.545	0.307	101.652
2019	6	130.758	120.289	0.523	9.946	1,410.224	1,296.396	5.604	108.224
2020	7	122.738	118.348	0.683	3.707	1,333.459	1,285.636	7.264	40.560
2021	7	127.866	125.137	0.991	1.738	1,383.831	1,352.951	10.403	20.477
2022	8	148.176	145.683	0.687	1.806	1,607.727	1,578.482	7.307	21.938

Total gas production, including losses and own use in 2022 (million m³)



Total gas production, including losses and own use between 2013 and 2022 (million m³)



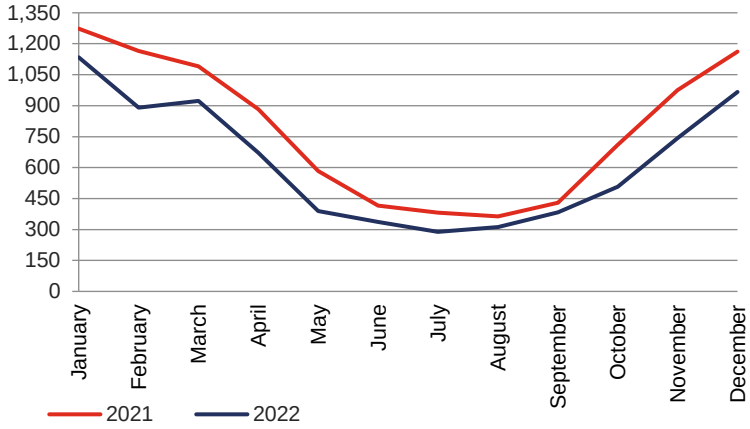
Note: The total gas production in 2017, including losses and own use, does not include gas supply to customers connected directly to the gas production installation.
Trial LNG supply of Spolgas s.r.o. to the distribution network of GasNet, s.r.o.

6 NATURAL GAS CONSUMPTION

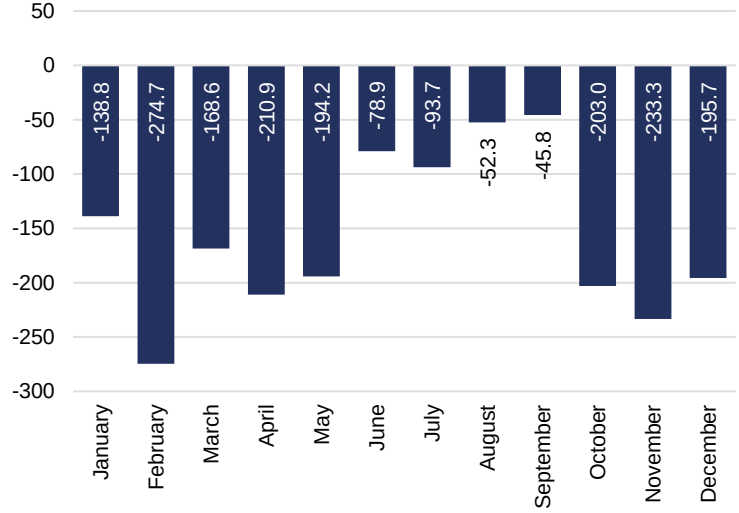
6.1 Natural gas consumption in the Czech Republic in 2022

Period	million m³						GWh			
	Actual			Adjusted			Actual		Adjusted	
	2022	2021	Y/y change	2022	2021	Y/y change	2022	2021	2022	2021
January	1,134.3	1,273.1	-10.9%	1,205.7	1,283.9	-6.1%	12,118.8	13,598.8	12,882.5	13,714.3
February	890.5	1,165.2	-23.6%	992.3	1,146.9	-13.5%	9,527.0	12,450.5	10,616.6	12,255.1
March	922.6	1,091.2	-15.4%	915.5	1,071.0	-14.5%	9,909.5	11,642.4	9,832.9	11,427.4
April	671.4	882.2	-23.9%	605.3	783.4	-22.7%	7,238.0	9,418.4	6,525.7	8,363.4
May	388.9	583.1	-33.3%	408.7	531.2	-23.1%	4,179.7	6,226.4	4,392.8	5,672.4
June	336.4	415.3	-19.0%	343.0	423.5	-19.0%	3,649.5	4,436.5	3,721.9	4,524.3
July	288.6	382.3	-24.5%	290.0	385.0	-24.7%	3,138.9	4,081.9	3,154.6	4,111.3
August	311.1	363.4	-14.4%	316.7	355.7	-11.0%	3,377.6	3,873.8	3,438.0	3,791.6
September	383.4	429.2	-10.7%	364.6	453.3	-19.6%	4,195.3	4,575.1	3,989.5	4,832.4
October	507.6	710.6	-28.6%	577.4	706.1	-18.2%	5,563.6	7,601.8	6,328.9	7,553.2
November	743.0	976.2	-23.9%	772.6	986.7	-21.7%	8,121.1	10,424.3	8,444.9	10,535.6
December	966.2	1,161.9	-16.8%	990.4	1,192.8	-17.0%	10,527.8	12,407.6	10,791.5	12,737.8
1Q	2,947.4	3,529.5	-16.5%	3,113.6	3,501.9	-11.1%	31,555.2	37,691.7	33,332.0	37,396.9
2Q	1,396.6	1,880.6	-25.7%	1,357.0	1,738.1	-21.9%	15,067.2	20,081.3	14,640.4	18,560.1
3Q	983.0	1,174.9	-16.3%	971.2	1,194.1	-18.7%	10,711.8	12,530.7	10,582.0	12,735.3
4Q	2,216.7	2,848.8	-22.2%	2,340.4	2,885.6	-18.9%	24,212.5	30,433.7	25,565.3	30,826.6
1H	4,344.0	5,410.1	-19.7%	4,470.6	5,240.0	-14.7%	46,622.4	57,773.0	47,972.4	55,957.0
2H	3,199.8	4,023.6	-20.5%	3,311.6	4,079.6	-18.8%	34,924.3	42,964.5	36,147.3	43,561.9
Year	7,543.8	9,433.7	-20.0%	7,782.2	9,319.6	-16.5%	81,546.7	100,737.5	84,119.7	99,518.9

Actual monthly gas consumption year-on-year (million m³)



Change in actual gas consumption, 2022 on 2021 (million m³)

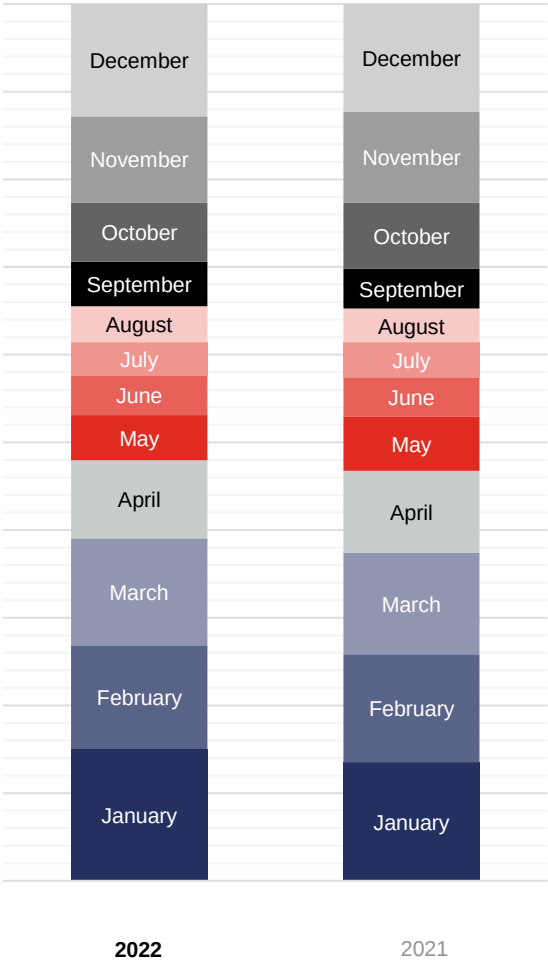


6.2 Share of natural gas consumption in each period of the year in total annual consumption in the CR

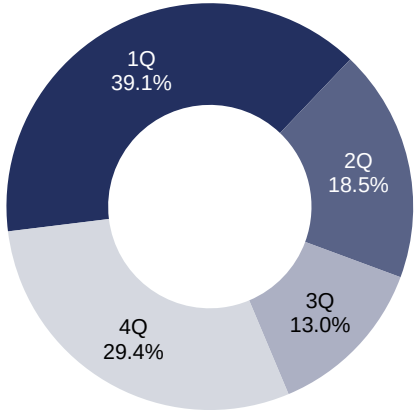
Share of consumption in each period of the year in total annual gas consumption

Period	Actual		Adjusted	
	2022	2021	**2022**	2021
January	15.0%	13.5%	15.5%	13.8%
February	11.8%	12.4%	12.8%	12.3%
March	12.2%	11.6%	11.8%	11.5%
April	8.9%	9.4%	7.8%	8.4%
May	5.2%	6.2%	5.3%	5.7%
June	4.5%	4.4%	4.4%	4.5%
July	3.8%	4.1%	3.7%	4.1%
August	4.1%	3.9%	4.1%	3.8%
September	5.1%	4.5%	4.7%	4.9%
October	6.7%	7.5%	7.4%	7.6%
November	9.8%	10.3%	9.9%	10.6%
December	12.8%	12.3%	12.7%	12.8%
1Q	39.1%	37.4%	40.0%	37.6%
2Q	18.5%	19.9%	17.4%	18.7%
3Q	13.0%	12.5%	12.5%	12.8%
4Q	29.4%	30.2%	30.1%	31.0%
1H	57.6%	57.3%	57.4%	56.2%
2H	42.4%	42.7%	42.6%	43.8%
Year	100.0%	100.0%	100.0%	100.0%

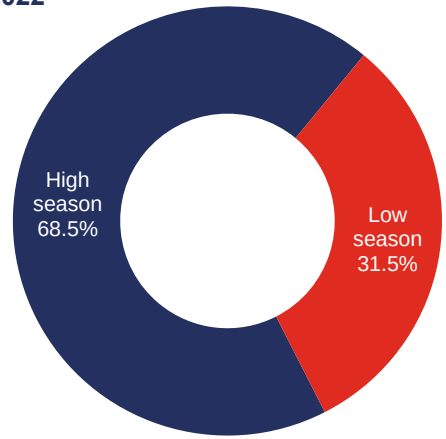
Share of actual monthly consumption in total annual gas consumption



Share of actual quarterly consumption in total annual gas consumption in 2022



Share of actual consumption in the heating season in the total annual gas consumption in 2022

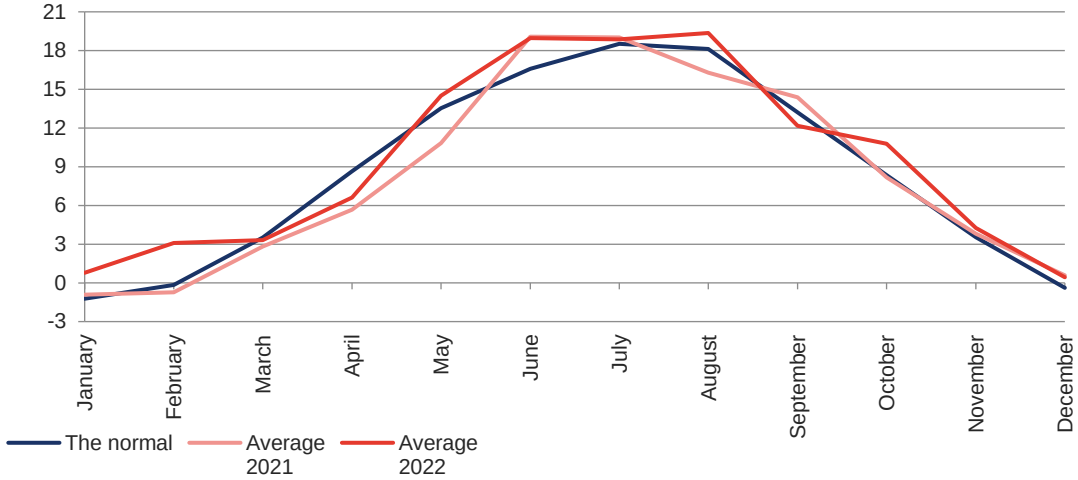


6.3 Air temperature in the Czech Republic in 2022

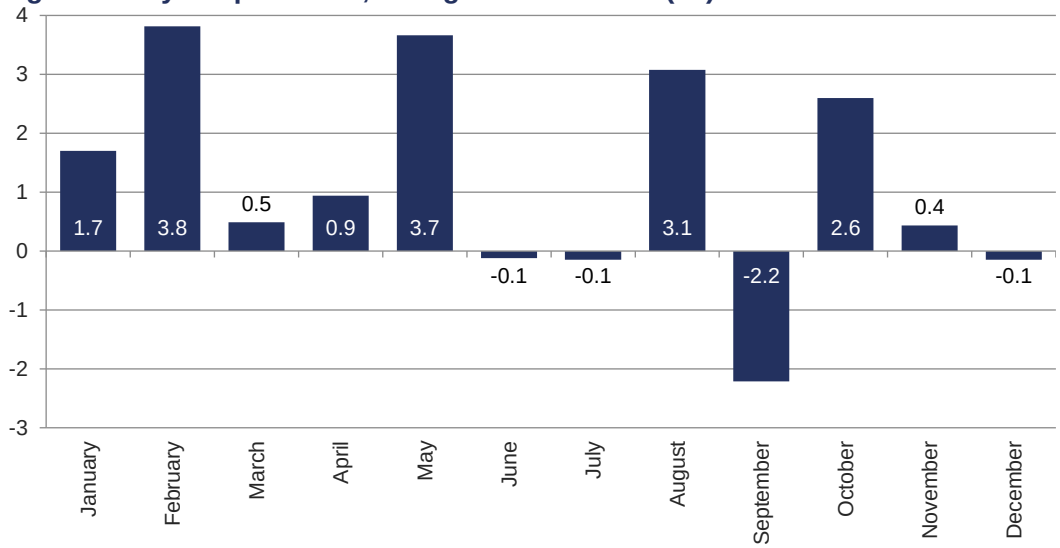
Temperature in °C

Period	Average 2022	Max 2022	Min 2022	The normal	Difference from normal	Average 2021	Change on 2021
January	0.8	8.6	-3.8	-1.2	2.0	-0.9	1.7
February	3.1	6.7	-2.0	-0.2	3.2	-0.7	3.8
March	3.3	9.8	-2.1	3.5	-0.2	2.8	0.5
April	6.6	13.3	-1.0	8.6	-2.0	5.7	0.9
May	14.5	20.6	9.7	13.5	1.0	10.8	3.7
June	19.0	25.0	14.7	16.6	2.4	19.1	-0.1
July	18.9	24.9	13.3	18.5	0.4	19.0	-0.1
August	19.4	25.2	15.0	18.1	1.2	16.3	3.1
September	12.2	18.1	7.7	13.2	-1.1	14.4	-2.2
October	10.8	14.9	6.4	8.4	2.4	8.2	2.6
November	4.2	10.4	-3.5	3.5	0.7	3.8	0.4
December	0.4	9.5	-8.5	-0.4	0.8	0.6	-0.1
1Q	2.4	9.8	-3.8	0.7	1.7	0.4	2.0
2Q	13.4	25.0	-1.0	12.9	0.4	11.9	1.5
3Q	16.8	25.2	7.7	16.6	0.2	16.6	0.2
4Q	5.2	14.9	-8.5	3.8	1.3	4.2	1.0
1H	7.9	25.0	-3.8	6.8	1.1	6.1	1.7
2H	11.0	25.2	-8.5	10.2	0.7	10.4	0.6
Year	9.4	25.2	-8.5	8.5	0.9	8.3	1.2

Monthly average temperatures year-on-year (°C)



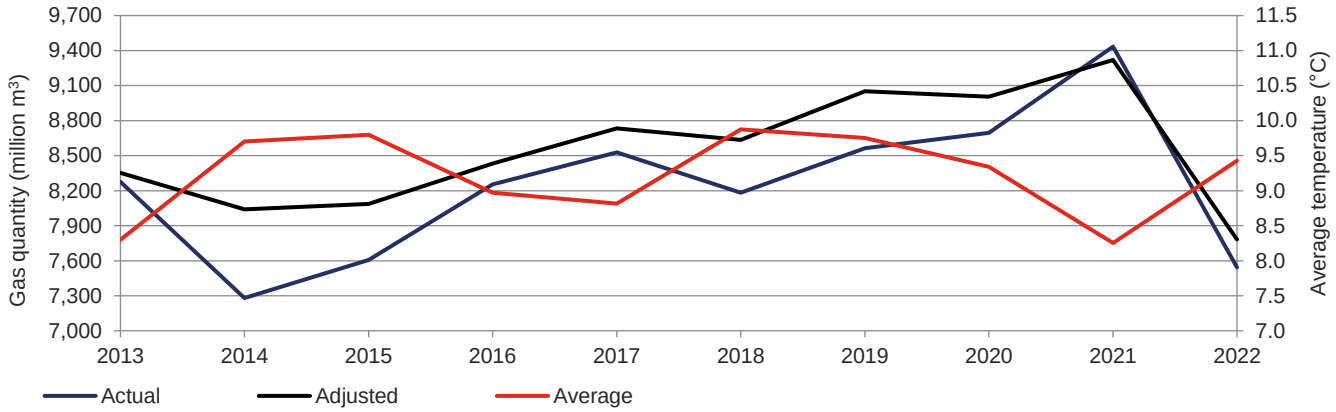
Average monthly temperatures, change 2022 on 2021 (°C)



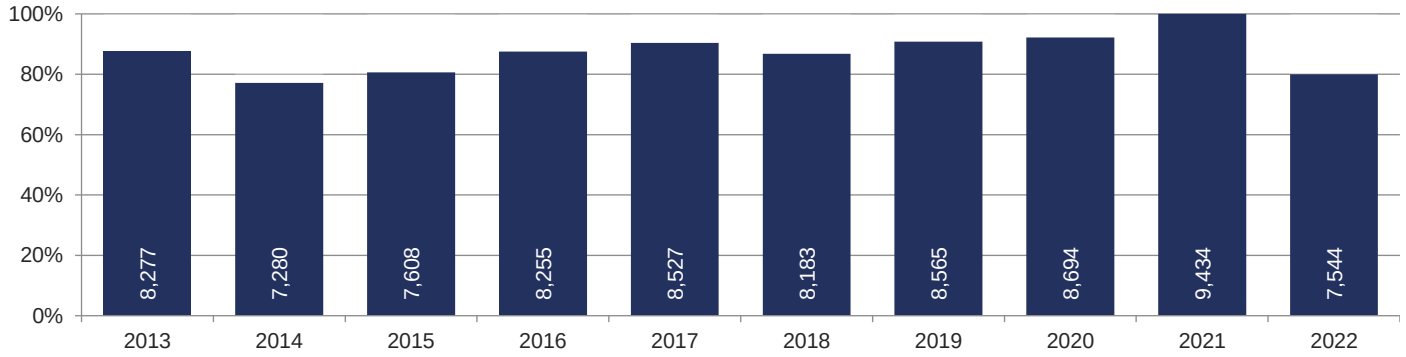
6.4 Natural gas consumption in the Czech Republic over the last 10 years

Period	Actual			Adjusted			Difference Adjusted-Actual		Air temperature in the Czech Republic (°C)			
	million m³	GWh	Y/y change	million m³	GWh	Y/y change	million m³	GWh	Average	The normal	Difference from normal	Y/y difference
2013	8,277.1	87,968.6	1.5%	8,353.3	88,787.8	1.2%	76.2	819.2	8.3	7.9	0.4	-0.4
2014	7,280.4	77,409.1	-12.0%	8,040.7	85,490.6	-3.7%	760.3	8,081.4	9.7	7.9	1.8	1.4
2015	7,607.6	81,067.9	4.5%	8,085.4	86,156.1	0.6%	477.8	5,088.2	9.8	7.9	1.9	0.1
2016	8,255.1	88,243.2	8.5%	8,432.7	90,140.4	4.3%	177.5	1,897.2	9.0	7.9	1.1	-0.8
2017	8,527.5	90,996.2	3.3%	8,733.1	93,188.2	3.6%	205.6	2,192.0	8.8	7.9	0.9	-0.2
2018	8,182.8	87,306.4	-4.0%	8,634.5	92,125.4	-1.1%	451.7	4,819.0	9.9	7.9	2.0	1.1
2019	8,564.6	91,397.6	4.7%	9,052.0	96,599.9	4.8%	487.4	5,202.3	9.8	7.9	1.8	-0.1
2020	8,694.2	92,894.4	1.5%	9,006.2	96,225.4	-0.5%	312.0	3,330.9	9.3	8.5	0.8	-0.4
2021	9,433.7	100,737.5	8.5%	9,319.6	99,518.9	3.5%	-114.1	-1,218.6	8.3	8.5	-0.3	-1.1
2022	7,543.8	81,546.7	-20.0%	7,782.2	84,119.7	-16.5%	238.5	2,573.0	9.4	8.5	0.9	1.2

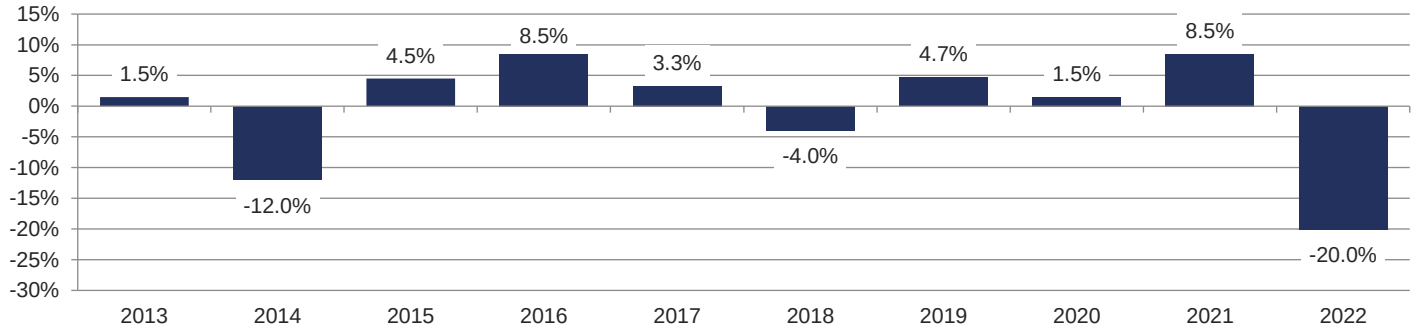
Annual natural gas consumption values and average temperatures



Annual actual gas consumption values as percentages of the highest annual consumption (in 2021) over the last 10 years (million m³)



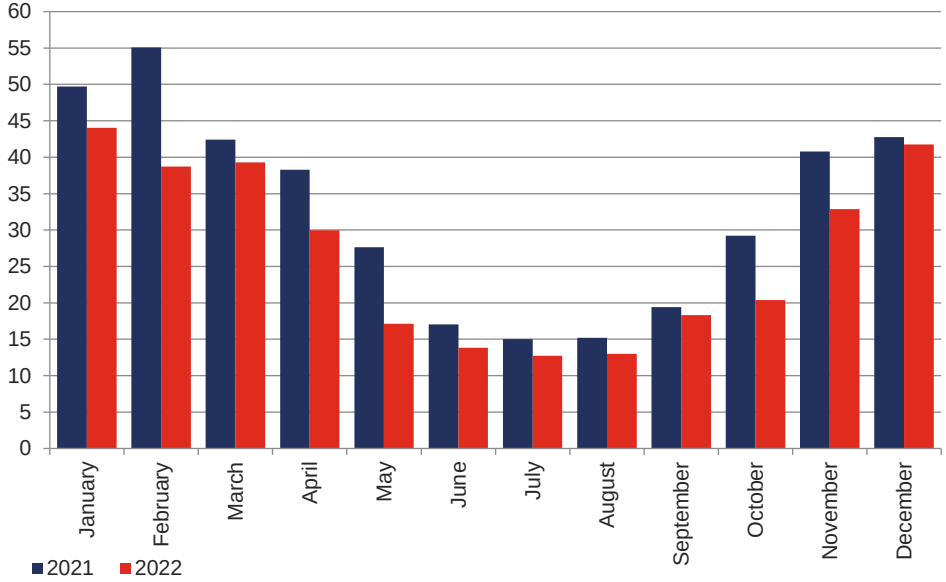
Year-on-year change in actual consumption of natural gas (%)



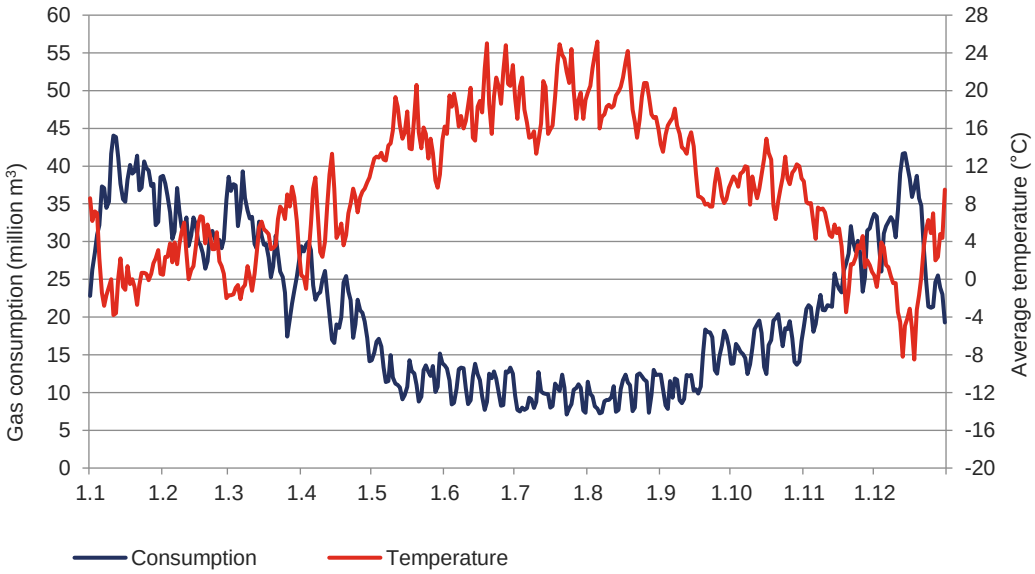
6.5 Daily maximum and minimum natural gas consumption in the Czech Republic in 2022

Period	Maximum daily gas consumption						Minimum daily gas consumption					
	2022			2021			2022			2021		
			at temperature			at temperature			at temperature			at temperature
	million m³	GWh	°C	million m³	GWh	°C	million m³	GWh	°C	million m³	GWh	°C
January	44.045	470.538	-3.8	49.723	531.089	-3.7	22.800	243.608	8.6	33.868	361.782	-1.8
February	38.704	414.204	0.5	55.065	588.377	-8.6	26.410	282.567	0.0	30.401	324.878	0.0
March	39.306	421.986	-0.9	42.397	452.342	-1.3	17.428	187.132	9.0	22.690	242.193	12.8
April	29.954	322.925	2.3	38.274	408.568	1.0	14.155	152.615	10.8	20.806	222.095	13.1
May	17.117	183.782	12.9	27.655	295.252	7.7	8.791	94.475	15.6	13.924	148.680	21.0
June	13.835	150.115	14.7	17.063	182.297	14.1	7.711	83.571	22.3	10.004	106.891	18.0
July	12.732	138.550	14.7	15.030	160.492	20.2	7.090	77.102	22.0	9.188	98.211	19.8
August	12.991	141.224	17.1	15.183	161.903	13.7	7.256	78.764	16.0	9.271	98.823	22.0
September	18.336	200.800	7.9	19.401	206.786	9.9	7.825	85.593	16.3	10.299	109.810	16.7
October	20.389	223.474	8.3	29.233	312.652	4.2	12.450	136.443	14.9	14.909	159.475	12.8
November	32.895	359.636	0.8	40.803	435.777	1.1	18.063	197.428	6.0	25.346	270.649	7.3
December	41.739	454.877	-4.9	42.776	456.791	-1.5	19.258	209.930	9.5	25.416	271.543	9.2
Year	44.045	470.538	-3.8	55.065	588.377	-8.6	7.090	77.102	22.0	9.188	98.211	19.8

Year-on-year comparison of the maximum daily gas consumption values (million m³)



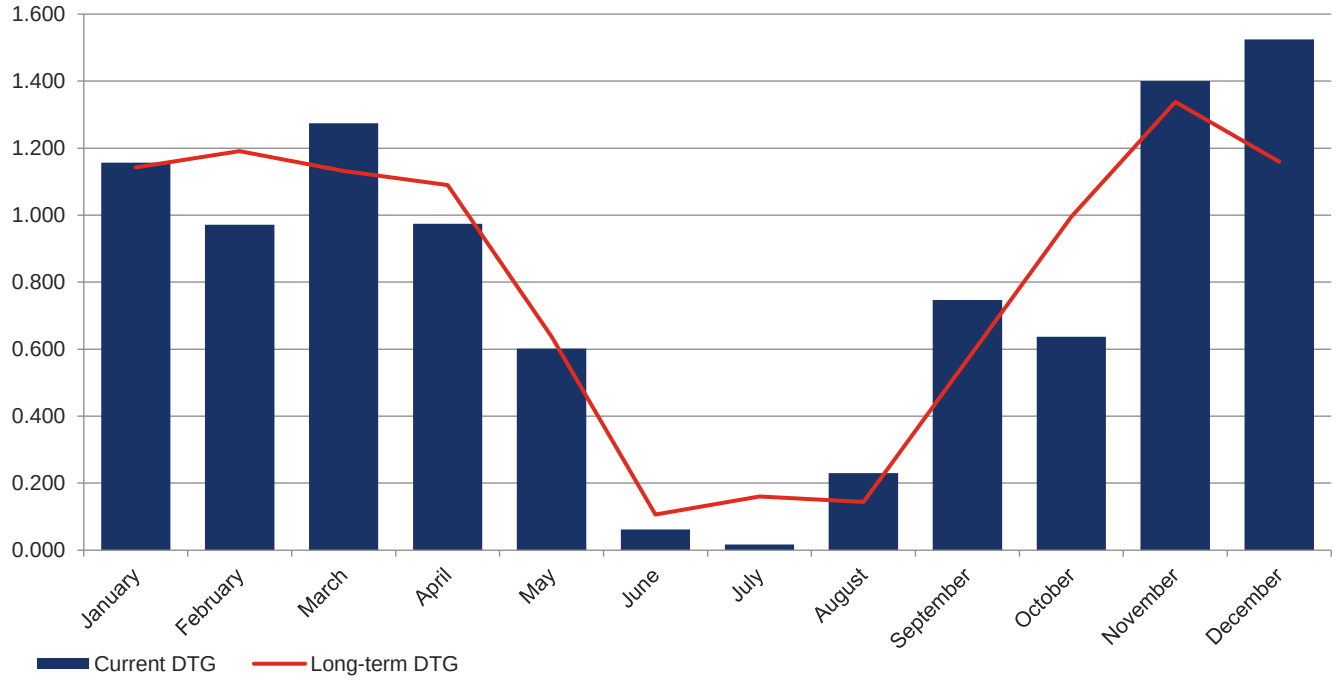
Profile of daily natural gas consumption and average temperatures between 1 Jan and 31 Dec 2022



6.6 Daily temperature gradient (DTG) and model natural gas consumption in the Czech Republic

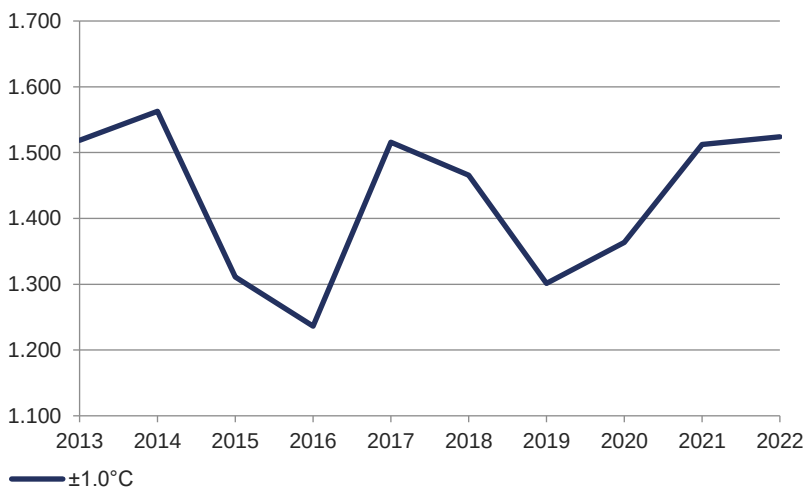
2022	Current DTG		Long-term DTG		Daily model consumption			
	±1.0°C		±1.0°C		at 0°C		at -12°C	
	million m³	GWh	million m³	GWh	million m³	GWh	million m³	GWh
January	1.156	12.354	1.142	12.206	38.847	415.048	52.722	563.295
February	0.971	10.388	1.191	12.740	36.080	385.995	47.731	510.653
March	1.274	13.680	1.132	12.156	35.160	377.636	50.444	541.798
April	0.974	10.499	1.090	11.748	30.349	327.193	42.035	453.182
May	0.602	6.466	0.637	6.849	X	X	X	X
June	0.062	0.670	0.107	1.156	X	X	X	X
July	0.017	0.185	0.160	1.743	X	X	X	X
August	0.230	2.494	0.144	1.562	X	X	X	X
September	0.746	8.169	0.568	6.221	X	X	X	X
October	0.637	6.980	0.995	10.910	24.244	265.727	31.886	349.490
November	1.400	15.303	1.338	14.624	32.391	354.051	49.191	537.690
December	1.524	16.606	1.159	12.633	32.731	356.657	51.019	555.928

Daily temperature gradient in 2022 (million m³)



Year	Current DTG ±1.0°C	
	million m³	GWh
2013	1.519	16.142
2014	1.563	16.617
2015	1.311	13.940
2016	1.236	13.203
2017	1.516	16.172
2018	1.466	15.629
2019	1.301	13.899
2020	1.364	14.571
2021	1.512	16.148
2022	1.524	16.606

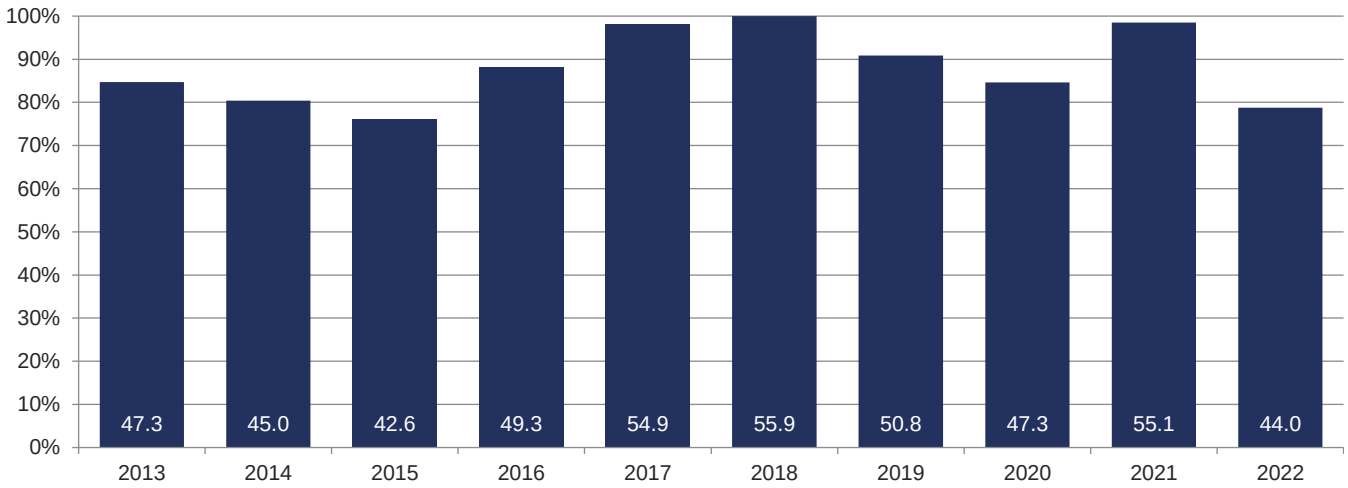
Maximum daily temperature gradient in the CR recorded over the last 10 years (million m³)



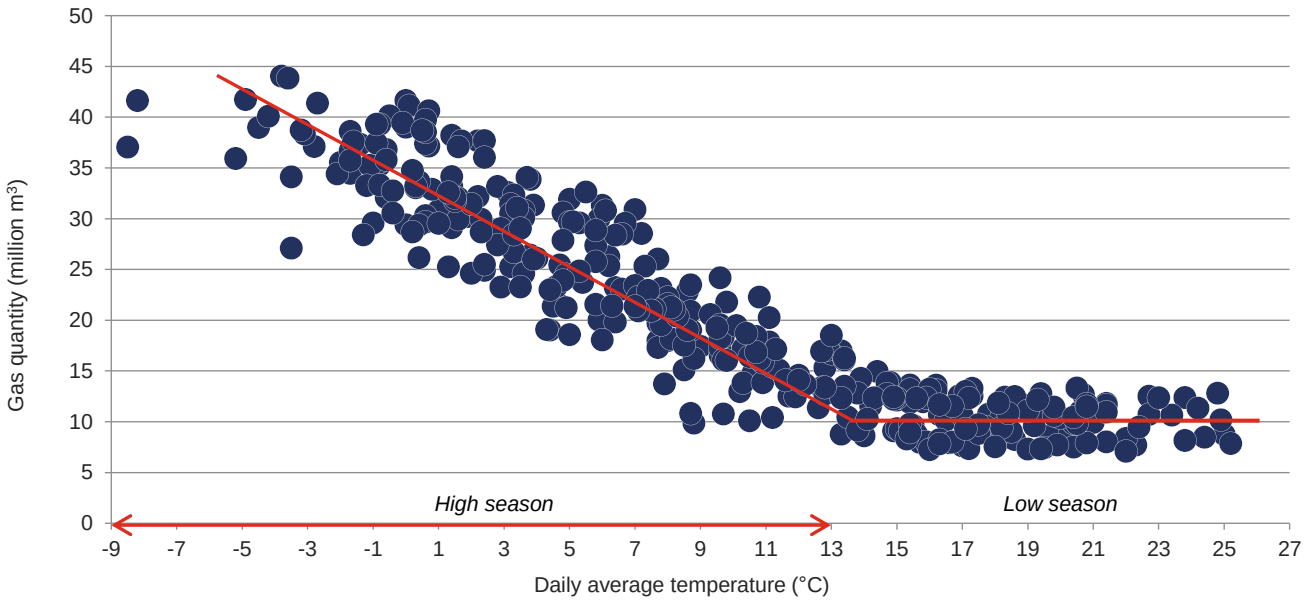
6.7 Daily natural gas consumption in the Czech Republic over the last 10 years

Period	Maximum gas consumption			Minimum gas consumption			Ratio of max and min gas consumption	Average gas consumption		
	million m³	GWh	at temperature (°C)	million m³	GWh	at temperature (°C)		million m³	GWh	at temperature (°C)
2013	47.3	501.0	-8.6	6.3	67.4	21.9	7.5 :1	22.7	241.0	8.3
2014	45.0	478.9	-4.1	7.1	75.7	21.0	6.3 :1	19.9	212.1	9.7
2015	42.6	453.1	-3.4	6.9	74.1	27.4	6.2 :1	20.8	222.1	9.8
2016	49.3	525.6	-8.8	7.1	76.6	21.0	6.9 :1	22.6	241.1	9.0
2017	54.9	585.9	-11.5	7.2	77.0	22.7	7.6 :1	23.4	249.3	8.8
2018	55.9	596.2	-11.8	7.3	77.6	24.7	7.7 :1	22.4	239.2	9.9
2019	50.8	543.1	-6.9	8.1	86.5	22.4	6.3 :1	23.5	250.4	9.8
2020	47.3	505.6	-3.1	8.7	93.1	21.3	5.4 :1	23.8	253.8	9.3
2021	55.1	588.4	-8.6	9.2	98.2	19.8	6.0 :1	25.8	276.0	8.3
2022	44.0	470.5	-3.8	7.1	77.1	22.0	6.2 :1	20.7	223.4	9.4

Maximum daily gas consumption values as percentages of the highest daily consumption (in 2018) over the last 10 years (million m³)



Daily relations between consumption and temperature in the 2022 heating season



Each point represents one gas day.

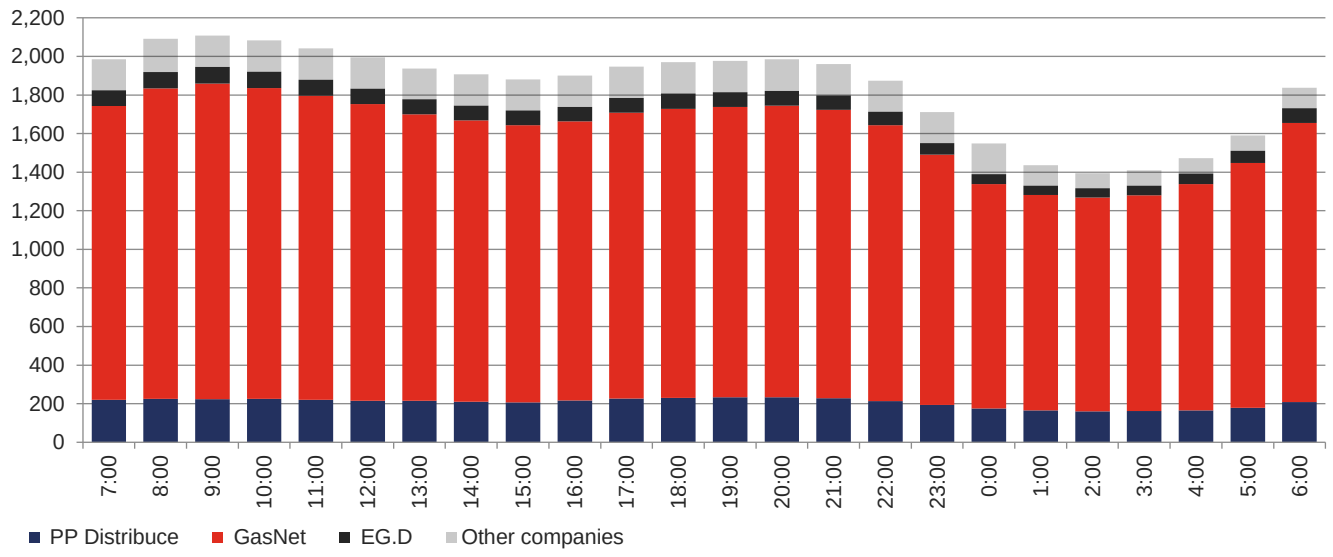
7 REFERENCE HOURLY READING

7.1 Reference hourly reading broken down by distribution system in the CR

KHO - 11 January 2022

Hour	thousands m³/h					MWh/h					°C
	PP Distribuce	GasNet	EG.D	Other companies	Total	PP Distribuce	GasNet	EG.D	Other companies	Total	Temperature in the CR
7:00	220.7	1,522.4	80.8	160.2	1,984.2	2,357.5	16,263.7	863.0	1,711.8	21,196.0	-5.8
8:00	224.6	1,608.8	85.5	172.9	2,091.8	2,398.5	17,185.6	913.1	1,847.2	22,344.5	-5.3
9:00	224.0	1,634.7	85.8	162.6	2,107.0	2,391.8	17,460.8	916.0	1,736.7	22,505.3	-4.8
10:00	224.9	1,611.3	84.3	162.3	2,082.6	2,400.8	17,210.7	899.9	1,733.3	22,244.7	-3.6
11:00	220.0	1,575.8	82.6	162.6	2,041.0	2,348.7	16,832.0	881.8	1,737.3	21,799.7	-2.4
12:00	215.5	1,537.0	80.0	162.8	1,995.3	2,301.0	16,417.3	854.5	1,738.6	21,311.4	-1.8
13:00	214.5	1,485.9	78.0	159.3	1,937.7	2,290.5	15,870.4	833.0	1,701.9	20,695.9	-1.4
14:00	209.7	1,458.6	76.4	162.4	1,907.1	2,239.4	15,579.7	815.6	1,734.3	20,368.9	-1.1
15:00	207.5	1,435.8	76.3	161.7	1,881.3	2,218.8	15,336.4	814.8	1,727.3	20,097.2	-1.3
16:00	216.8	1,446.6	75.1	162.7	1,901.2	2,318.5	15,451.5	802.3	1,737.7	20,310.0	-1.8
17:00	227.1	1,480.8	75.7	163.5	1,947.1	2,430.4	15,818.8	808.3	1,746.6	20,804.2	-2.1
18:00	230.3	1,498.4	78.6	162.9	1,970.2	2,465.4	16,006.6	838.9	1,740.7	21,051.6	-2.9
19:00	233.7	1,504.0	76.4	163.5	1,977.6	2,501.1	16,066.8	815.4	1,747.0	21,130.3	-3.1
20:00	234.0	1,510.6	76.6	163.5	1,984.6	2,504.5	16,136.6	818.0	1,746.5	21,205.6	-3.6
21:00	228.2	1,494.5	74.4	163.7	1,960.8	2,442.5	15,964.7	794.8	1,749.0	20,951.1	-3.8
22:00	214.2	1,428.6	69.6	162.4	1,874.7	2,292.8	15,260.7	742.8	1,734.9	20,031.2	-4.1
23:00	193.7	1,297.3	58.7	160.9	1,710.6	2,073.5	13,857.6	626.6	1,719.1	18,276.7	-4.3
0:00	174.7	1,163.0	51.3	160.5	1,549.6	1,870.4	12,422.4	547.6	1,715.1	16,555.4	-4.5
1:00	165.5	1,116.0	47.6	106.2	1,435.4	1,771.6	11,921.0	507.9	1,135.1	15,335.6	-5.1
2:00	160.8	1,107.6	47.5	79.3	1,395.2	1,720.9	11,831.1	506.9	846.8	14,905.8	-5.9
3:00	161.3	1,118.7	50.3	79.8	1,410.1	1,726.6	11,948.9	536.6	852.8	15,065.0	-6.4
4:00	165.4	1,173.2	54.7	79.8	1,473.2	1,770.3	12,531.3	584.4	852.7	15,738.8	-6.1
5:00	177.8	1,269.8	62.3	79.8	1,589.8	1,903.2	13,564.2	665.0	852.8	16,985.1	-5.5
6:00	208.5	1,447.2	76.1	105.3	1,837.1	2,231.3	15,458.9	812.7	1,125.1	19,628.0	-4.7
Total	**4,953.3**	**33,926.7**	**1,704.7**	**3,460.7**	**44,045.3**	**52,970.0**	**362,397.6**	**18,200.0**	**36,970.3**	**470,537.9**	**-3.8**
Max	**234.0**	**1,634.7**	**85.8**	**172.9**	**2,107.0**	**2,504.5**	**17,460.8**	**916.0**	**1,847.2**	**22,505.3**	**-1.1**
Min	**160.8**	**1,107.6**	**47.5**	**79.3**	**1,395.2**	**1,720.9**	**11,831.1**	**506.9**	**846.8**	**14,905.8**	**-6.4**

Hourly gas consumption in the CR (thousands m³/h)

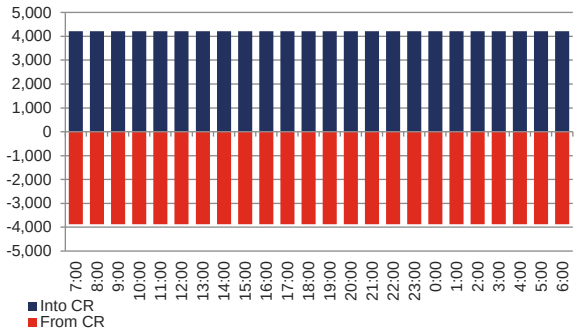


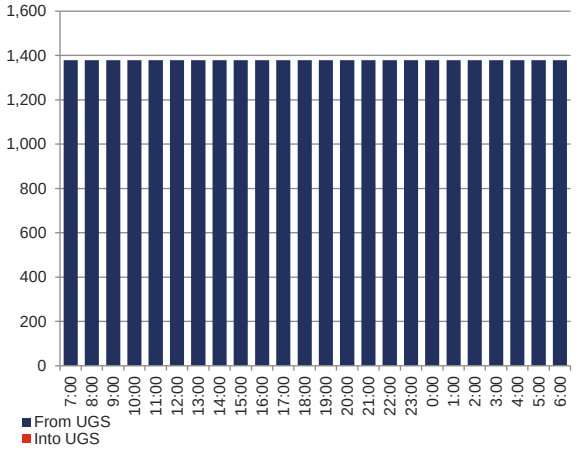
7.2 Balance in the Czech gas system on the KHO day

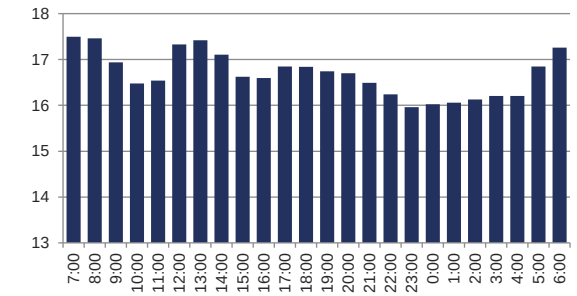
KHO - 11 January 2022

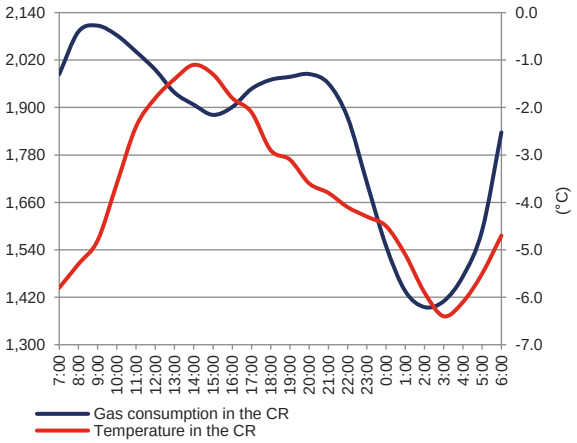
			th m³/yr	MWh/yr
Gas flow into/from the Czech gas system	Into CR	Via BTS	101,025.8	1,077,964.6
		Via PPL	8.1	85.5
		Total	101,034.0	1,078,050.2
	From CR	Via BTS	93,134.8	994,260.2
		Via PPL	2.4	25.7
		Total	93,137.2	994,285.9
	Net balance into/from CR	**Via BTS**	7,891.0	83,704.5
		Via PPL	5.7	59.8
		Total	7,896.7	83,764.3
Gas flow from/into UGS that form part of the Czech gas system	From UGS	RWE GS	29,357.4	313,182.7
		MND GS	2,532.4	27,093.0
		Moravia GS	1,187.2	12,700.2
		Total	33,077.0	352,975.8
	Into UGS	RWE GS	0.0	0.0
		MND GS	0.0	0.0
		Moravia GS	0.0	0.0
		Total	0.0	0.0
	Net balance from/into UGS	**RWE GS**	29,357.4	313,182.7
		MND GS	2,532.4	27,093.0
		Moravia GS	1,187.2	12,700.2
		Total	33,077.0	352,975.8
	Total stores in UGS		1,517,796.0	16,326,425.0
Gas production in the CR	Connected to RDS	From VP to DS	352.6	3,834.0
		VS	0.3	3.4
		Total	352.9	3,837.4
	Connected to LDS	From VP to DS	47.6	505.0
		VS	0.0	0.0
		Total	47.6	505.0
	Total	**From VP to DS**	400.2	4,338.9
		VS	0.3	3.4
		Total	400.5	4,342.4
Gas consumption in the CR	Consumption in RDS	Customers	39,928.7	426,564.6
		OG	660.7	7,058.1
		Total	40,589.4	433,622.7
	Consumption in LDS not included in RDS	Customers	47.6	505.0
		OG	0.0	0.0
		Total	47.6	505.0
	Gas production (VS)		0.3	3.4
	Customers connected directly to the TS		3,408.0	36,406.9
	Total CR	**Customers**	43,384.4	463,476.4
		OG+VS+PKS	661.0	7,061.5
		Total	44,045.3	470,537.9
Balancing difference in the TS			2,671.1	29,455.5

Aggregate gas quantity in thousands m³/day







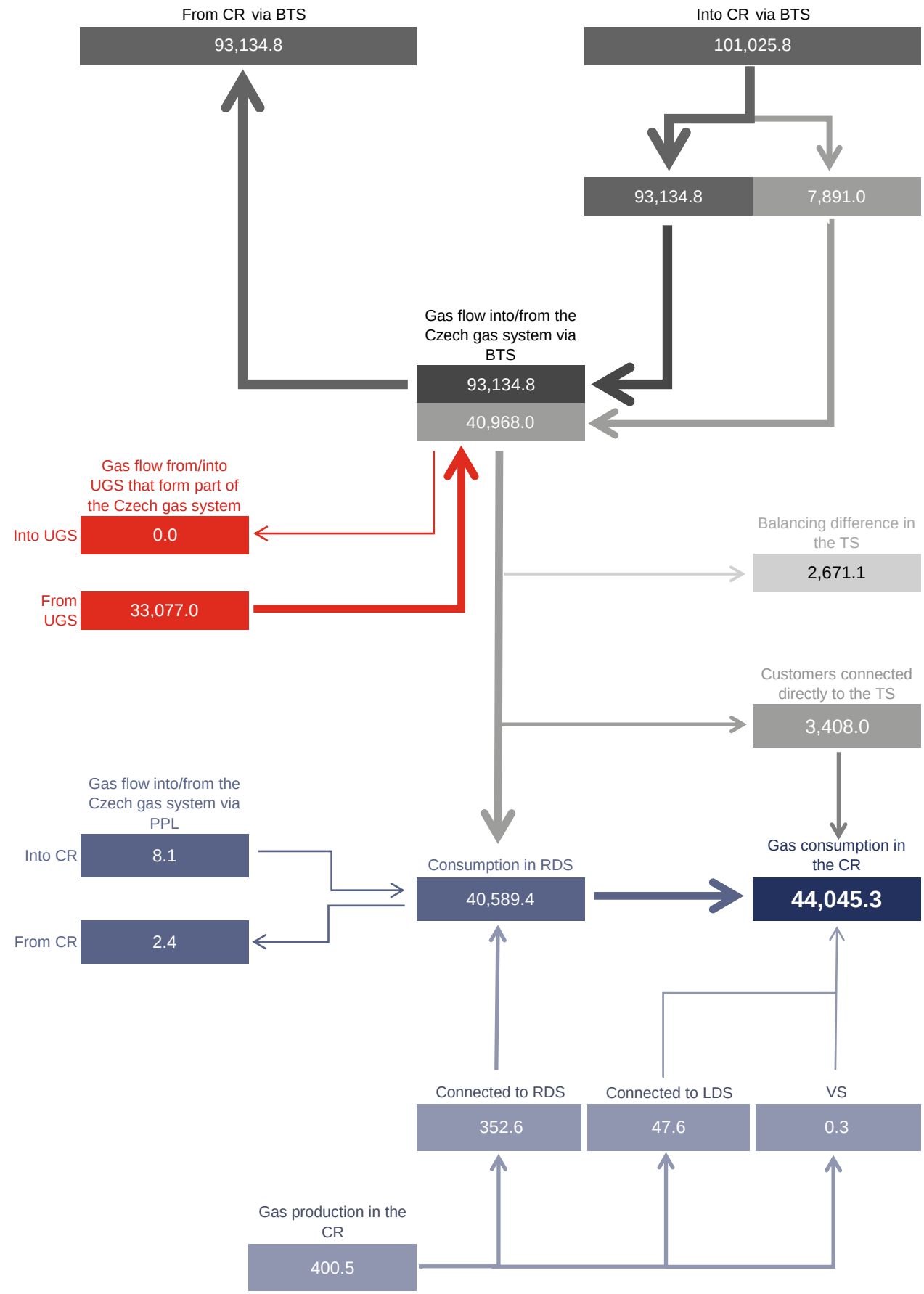


Note: Hourly gas flows into/from the gas system are not available and are shown as an average value here.

7.3 Balance in the Czech gas system on the KHO day - diagram

Daily balance (thousands m^3)

KHO - 11 January 2022



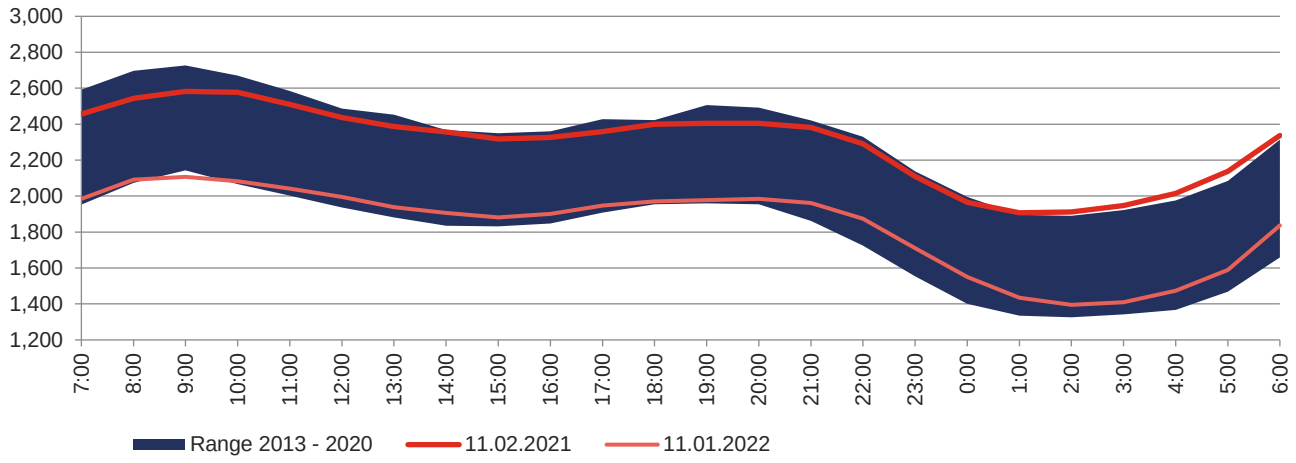
7.4 Reference hourly reading in the CR over the last 10 years

	Hour\Date	25.01.2013	27.01.2014	05.02.2015	19.01.2016	19.01.2017	27.02.2018	23.01.2019	21.01.2020	11.02.2021	11.01.2022
th m³	7:00	2,103.9	2,118.8	1,953.3	2,201.3	2,452.6	2,591.4	2,345.9	2,017.4	2,455.6	1,984.2
	8:00	2,194.6	2,195.0	2,074.6	2,334.7	2,544.6	2,696.6	2,412.6	2,143.1	2,543.5	2,091.8
	9:00	2,223.9	2,194.4	2,148.0	2,346.5	2,587.6	2,726.9	2,426.3	2,142.9	2,582.4	2,107.0
	10:00	2,232.7	2,200.4	2,138.5	2,349.5	2,638.7	2,670.3	2,425.5	2,066.2	2,577.5	2,082.6
	11:00	2,196.6	2,155.0	2,052.9	2,311.1	2,536.2	2,583.9	2,377.0	2,002.6	2,509.7	2,041.0
	12:00	2,143.5	2,136.6	1,960.3	2,208.1	2,436.0	2,487.2	2,297.7	1,936.3	2,436.5	1,995.3
	13:00	2,225.6	2,093.8	1,882.1	2,138.2	2,334.8	2,452.1	2,249.8	1,900.0	2,386.5	1,937.7
	14:00	2,104.3	2,045.1	1,835.0	2,084.5	2,274.8	2,368.3	2,215.5	1,866.7	2,356.5	1,907.1
	15:00	2,043.3	2,035.5	1,832.4	2,078.2	2,242.4	2,349.3	2,186.8	1,846.3	2,318.2	1,881.3
	16:00	2,037.7	2,008.2	1,847.7	2,107.6	2,283.8	2,360.7	2,215.7	1,864.6	2,327.0	1,901.2
	17:00	2,086.7	2,023.6	1,909.0	2,152.3	2,353.6	2,427.6	2,244.9	1,920.6	2,358.7	1,947.1
	18:00	2,115.6	2,017.1	1,974.8	2,187.3	2,422.1	2,417.7	2,265.3	1,955.0	2,399.9	1,970.2
	19:00	2,119.3	2,008.4	1,990.0	2,200.0	2,428.2	2,505.7	2,257.1	1,960.6	2,405.5	1,977.6
	20:00	2,101.0	1,983.4	1,990.6	2,211.0	2,437.2	2,491.4	2,248.4	1,954.6	2,405.3	1,984.6
	21:00	2,066.4	1,911.2	1,861.1	2,181.7	2,420.5	2,368.7	2,212.7	1,919.9	2,382.5	1,960.8
	22:00	1,980.7	1,796.8	1,725.1	2,085.1	2,329.8	2,285.6	2,087.2	1,813.8	2,290.2	1,874.7
	23:00	1,802.6	1,641.8	1,553.1	1,915.8	2,138.5	2,112.7	1,880.4	1,666.4	2,109.3	1,710.6
	0:00	1,651.2	1,480.1	1,401.2	1,781.6	1,995.1	1,929.6	1,733.2	1,508.2	1,964.5	1,549.6
	1:00	1,576.9	1,399.4	1,334.7	1,665.4	1,895.9	1,884.3	1,640.9	1,443.8	1,907.1	1,435.4
	2:00	1,576.7	1,383.1	1,325.8	1,652.9	1,886.4	1,890.8	1,650.8	1,436.2	1,912.6	1,395.2
	3:00	1,600.1	1,393.8	1,342.4	1,661.0	1,901.8	1,923.2	1,686.9	1,452.7	1,947.6	1,410.1
	4:00	1,621.9	1,432.1	1,366.5	1,684.3	1,955.7	1,976.5	1,755.2	1,498.5	2,014.2	1,473.2
	5:00	1,684.2	1,527.9	1,467.8	1,773.5	2,078.2	2,084.5	1,872.5	1,615.4	2,137.8	1,589.8
	6:00	1,842.6	1,777.5	1,659.7	1,977.3	2,311.6	2,313.5	2,115.3	1,850.9	2,336.8	1,837.1
	Total	**47,333.1**	**44,959.1**	**42,626.6**	**49,288.9**	**54,886.1**	**55,898.6**	**50,803.5**	**43,782.7**	**55,065.4**	**44,045.3**
Max		**2,232.7**	**2,200.4**	**2,148.0**	**2,349.5**	**2,638.7**	**2,726.9**	**2,426.3**	**2,143.1**	**2,582.4**	**2,107.0**
Min		**1,576.7**	**1,383.1**	**1,325.8**	**1,652.9**	**1,886.4**	**1,884.3**	**1,640.9**	**1,436.2**	**1,907.1**	**1,395.2**

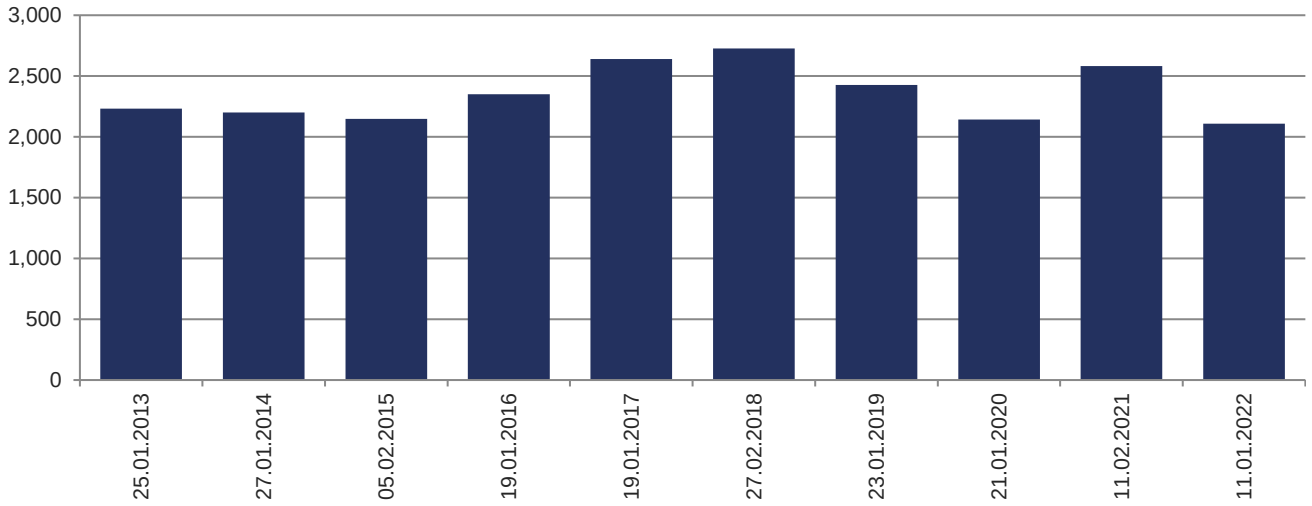
MWh	7:00	22,266.4	22,573.2	20,767.6	23,478.1	26,184.6	27,640.5	25,079.6	21,504.1	26,235.1	21,196.0
	8:00	23,227.6	23,385.2	22,057.3	24,900.1	27,166.9	28,761.3	25,802.6	22,977.2	27,172.3	22,344.5
	9:00	23,540.2	23,377.5	22,837.5	25,026.0	27,626.8	29,083.7	25,942.8	22,666.4	27,597.0	22,505.3
	10:00	23,632.8	23,441.0	22,736.1	25,059.0	28,171.3	28,479.9	25,929.4	22,009.7	27,542.9	22,244.7
	11:00	23,250.1	22,956.7	21,825.5	24,648.8	27,076.2	27,558.7	25,412.3	21,322.5	26,819.0	21,799.7
	12:00	22,688.4	22,761.8	20,840.4	23,548.0	26,005.2	26,527.1	24,565.0	20,619.0	26,035.8	21,311.4
	13:00	23,558.6	22,305.7	20,008.8	22,802.6	24,925.7	26,153.8	24,048.6	20,228.2	25,499.9	20,695.9
	14:00	22,273.6	21,786.4	19,508.3	22,229.8	24,284.3	25,259.7	23,680.2	19,880.6	25,178.9	20,368.9
	15:00	21,626.7	21,685.5	19,480.3	22,162.2	23,938.9	25,055.6	23,374.0	19,669.0	24,768.5	20,097.2
	16:00	21,568.3	21,393.7	19,643.1	22,476.4	24,380.7	25,178.5	23,684.1	19,861.0	24,864.3	20,310.0
	17:00	22,087.6	21,557.4	20,295.1	22,952.2	25,126.3	25,891.6	23,999.1	20,455.0	25,201.6	20,804.2
	18:00	22,392.2	21,486.8	20,994.8	23,325.6	25,857.6	25,787.8	24,223.0	20,818.6	25,641.9	21,051.6
	19:00	22,431.7	21,393.0	21,155.6	23,461.6	25,922.1	26,724.9	24,137.1	20,884.8	25,702.0	21,130.3
	20:00	22,238.4	21,127.3	21,162.5	23,578.1	26,018.3	26,573.2	24,041.8	20,823.0	25,698.5	21,205.6
	21:00	21,871.7	20,355.9	19,788.0	23,266.2	25,840.6	25,266.5	23,658.9	20,465.1	25,458.4	20,951.1
	22:00	20,965.6	19,136.0	18,342.0	22,235.2	24,870.6	24,381.4	22,309.6	19,344.7	24,472.5	20,031.2
	23:00	19,078.8	17,484.4	16,513.9	20,428.8	22,827.1	22,536.3	20,102.9	17,786.0	22,538.8	18,276.7
	0:00	17,477.2	15,758.3	14,897.6	18,997.3	21,297.6	20,581.6	18,521.5	16,119.1	20,991.2	16,555.4
	1:00	16,690.4	14,898.0	14,191.0	17,758.6	20,238.5	20,097.8	17,544.7	15,443.9	20,377.6	15,335.6
	2:00	16,686.9	14,723.8	14,096.1	17,624.7	20,136.7	20,167.3	17,648.6	15,375.2	20,436.6	14,905.8
	3:00	16,935.4	14,837.2	14,271.7	17,711.4	20,301.7	20,513.6	18,022.4	15,560.2	20,810.9	15,065.0
	4:00	17,165.9	15,246.8	14,528.0	17,960.6	20,877.2	21,082.9	18,763.2	16,048.7	21,521.2	15,738.8
	5:00	17,826.4	16,267.4	15,606.0	18,912.4	22,185.3	22,234.4	20,009.9	17,283.4	22,842.2	16,985.1
	6:00	19,491.6	18,933.3	17,594.7	21,094.3	24,678.2	24,680.2	22,608.4	19,761.8	24,969.7	19,628.0
	Total	**500,973.2**	**478,872.5**	**453,141.8**	**525,637.9**	**585,938.2**	**596,218.4**	**543,109.6**	**466,907.1**	**588,376.8**	**470,537.9**
Max		**23,632.8**	**23,441.0**	**22,837.5**	**25,059.0**	**28,171.3**	**29,083.7**	**25,942.8**	**22,977.2**	**27,597.0**	**22,505.3**
Min		**16,686.9**	**14,723.8**	**14,096.1**	**17,624.7**	**20,136.7**	**20,097.8**	**17,544.7**	**15,375.2**	**20,377.6**	**14,905.8**

7.5 Reference hourly reading in the CR over the last 10 years - charts

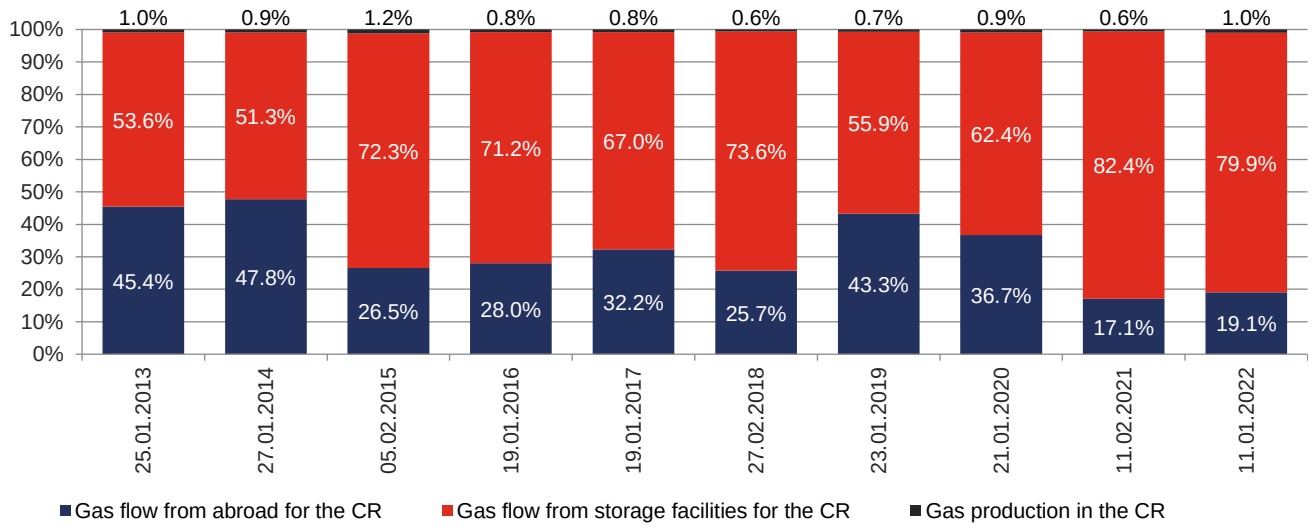
Hourly consumption on the KHO day (thousands m^3/h)



Maximum hourly consumption on the KHO day (thousands m^3/h)



Percentage shares of gas sources covering the total KHO day

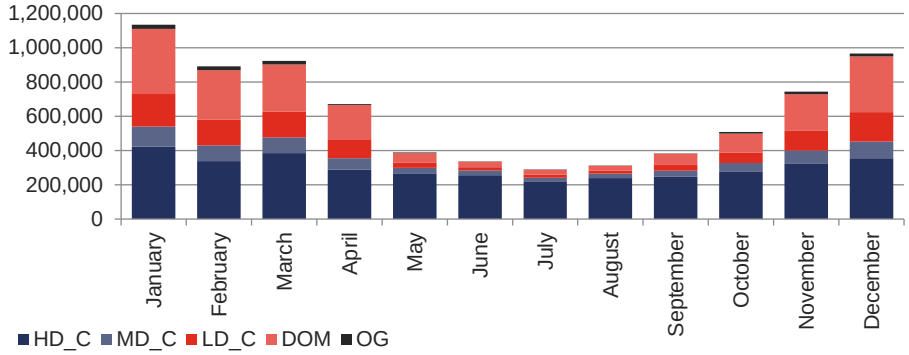


8 NATURAL GAS CONSUMPTION BY CUSTOMER CATEGORY AND BY WAY OF USE

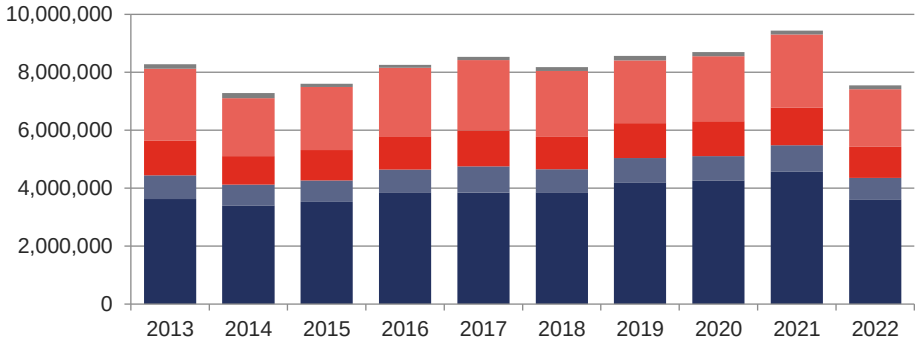
8.1 Natural gas consumption in the Czech Republic in 2022 and over the last 10 years

Period	Number of customers at the end of the period	Total natural gas consumption				Average air temperature	Year-on-year change in total consumption
		Total consumption		Average consumption per customer			
		th m^3	MWh	th m^3	MWh	°C	
January	2,817,935	**1,134,263**	**12,118,790**	0.403	4.301	0.8	-10.9%
February	2,816,354	**890,500**	**9,526,969**	0.316	3.383	3.1	-23.6%
March	2,813,737	**922,619**	**9,909,454**	0.328	3.522	3.3	-15.4%
April	2,810,023	**671,362**	**7,237,984**	0.239	2.576	6.6	-23.9%
May	2,806,562	**388,896**	**4,179,657**	0.139	1.489	14.5	-33.3%
June	2,802,216	**336,354**	**3,649,523**	0.120	1.302	19.0	-19.0%
July	2,798,648	**288,566**	**3,138,926**	0.103	1.122	18.9	-24.5%
August	2,794,763	**311,105**	**3,377,627**	0.111	1.209	19.4	-14.4%
September	2,790,896	**383,358**	**4,195,290**	0.137	1.503	12.2	-10.7%
October	2,786,741	**507,609**	**5,563,628**	0.182	1.996	10.8	-28.6%
November	2,783,972	**742,971**	**8,121,096**	0.267	2.917	4.2	-23.9%
December	2,781,284	**966,158**	**10,527,754**	0.347	3.785	0.4	-16.8%
1Q	2,813,737	**2,947,383**	**31,555,212**	1.047	11.215	2.4	-16.5%
2Q	2,802,216	**1,396,613**	**15,067,165**	0.498	5.377	13.4	-25.7%
3Q	2,790,896	**983,029**	**10,711,843**	0.352	3.838	16.8	-16.3%
4Q	2,781,284	**2,216,738**	**24,212,478**	0.797	8.706	5.2	-22.2%
1H	2,802,216	**4,343,996**	**46,622,377**	1.550	16.638	7.9	-19.7%
2H	2,781,284	**3,199,767**	**34,924,321**	1.150	12.557	11.0	-20.5%
Year	2,781,284	**7,543,762**	**81,546,698**	2.712	29.320	9.4	-20.0%
2013	2,860,345	**8,277,094**	**87,968,598**	2.894	30.755	8.3	1.5%
2014	2,849,162	**7,280,420**	**77,409,120**	2.555	27.169	9.7	-12.0%
2015	2,844,334	**7,607,565**	**81,067,901**	2.675	28.502	9.8	4.5%
2016	2,840,473	**8,255,134**	**88,243,167**	2.906	31.066	9.0	8.5%
2017	2,844,257	**8,527,483**	**90,996,222**	2.998	31.993	8.8	3.3%
2018	2,840,619	**8,182,756**	**87,306,411**	2.881	30.735	9.9	-4.0%
2019	2,834,509	**8,564,629**	**91,397,634**	3.022	32.245	9.8	4.7%
2020	2,829,132	**8,694,219**	**92,894,431**	3.073	32.835	9.3	1.5%
2021	2,820,013	**9,433,734**	**100,737,477**	3.345	35.722	8.3	8.5%
2022	2,781,284	**7,543,762**	**81,546,698**	2.712	29.320	9.4	-20.0%

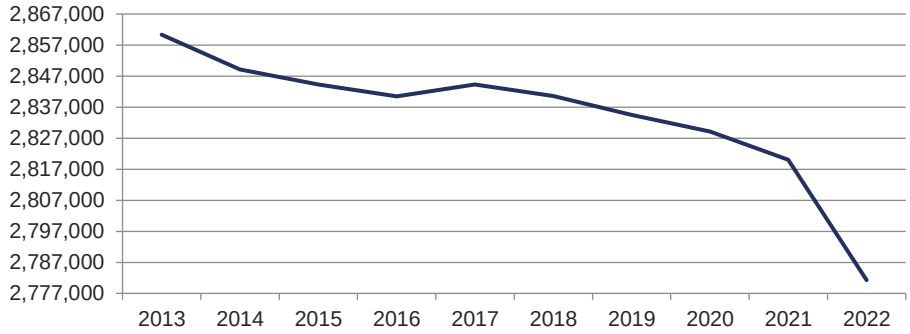
Natural gas consumption in the year under review (thousands m^3)



Natural gas consumption over the last 10 years (thousands m^3)



Number of customers over the last 10 years

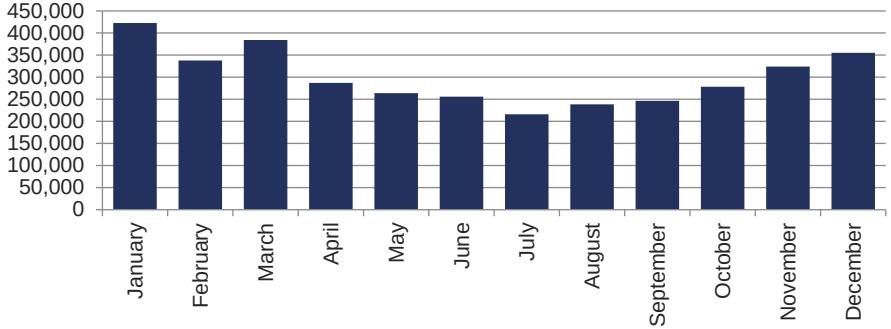


Note: The increase in the number of customers in 2017 was caused by adding customers in LDS, the monitoring of which started on 1 January 2017.

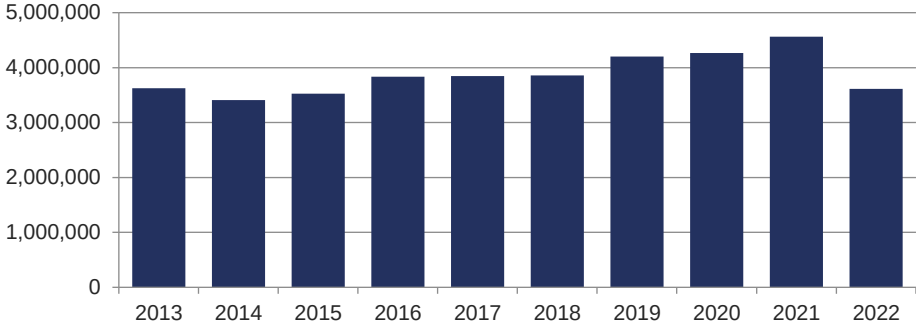
8.2 Natural gas consumption in the HD_C category in 2022 and over the last 10 years

Period	Number of customers at the end of the period	Natural gas consumption				The category's share of total consumption in the CR	Year-on-year change in total consumption
		Total consumption		Average consumption per customer			
		th m³	MWh	th m³	MWh		
January	1,656	**422,567**	**4,515,090**	255	2,727	37.3%	-15.3%
February	1,671	**337,567**	**3,610,829**	202	2,161	37.9%	-26.2%
March	1,660	**384,449**	**4,130,038**	232	2,488	41.7%	-19.2%
April	1,660	**286,967**	**3,092,677**	173	1,863	42.7%	-32.7%
May	1,659	**263,686**	**2,833,568**	159	1,708	67.8%	-17.8%
June	1,659	**256,066**	**2,778,388**	154	1,675	76.1%	-18.9%
July	1,643	**216,437**	**2,354,014**	132	1,433	75.0%	-26.4%
August	1,642	**238,622**	**2,590,500**	145	1,578	76.7%	-7.4%
September	1,640	**246,585**	**2,698,511**	150	1,645	64.3%	-14.0%
October	1,631	**278,534**	**3,052,745**	171	1,872	54.9%	-20.1%
November	1,648	**324,255**	**3,543,933**	197	2,150	43.6%	-24.9%
December	1,638	**355,504**	**3,872,772**	217	2,364	36.8%	-21.3%
1Q	1,660	**1,144,583**	**12,255,957**	690	7,383	38.8%	-20.1%
2Q	1,659	**806,720**	**8,704,633**	486	5,247	57.8%	-24.1%
3Q	1,640	**701,644**	**7,643,025**	428	4,660	71.4%	-16.3%
4Q	1,638	**958,292**	**10,469,450**	585	6,392	43.2%	-22.2%
1H	1,659	**1,951,303**	**20,960,590**	1,176	12,634	44.9%	-21.8%
2H	1,638	**1,659,936**	**18,112,475**	1,013	11,058	51.9%	-19.8%
Year	1,638	**3,611,239**	**39,073,065**	2,205	23,854	47.9%	-20.9%
2013	1,637	**3,627,323**	**38,572,429**	2,216	23,563	49.8%	2.4%
2014	1,599	**3,410,397**	**36,263,816**	2,133	22,679	44.8%	-6.0%
2015	1,606	**3,522,762**	**37,559,635**	2,194	23,387	42.7%	3.3%
2016	1,618	**3,836,358**	**41,022,705**	2,371	25,354	45.0%	8.9%
2017	1,703	**3,847,746**	**41,058,748**	2,259	24,110	45.1%	0.3%
2018	1,692	**3,854,920**	**41,132,713**	2,278	24,310	45.0%	0.2%
2019	1,690	**4,200,741**	**44,813,140**	2,486	26,517	49.0%	9.0%
2020	1,605	**4,268,310**	**45,620,793**	2,659	28,424	49.1%	1.6%
2021	1,602	**4,565,694**	**48,749,273**	2,850	30,430	48.4%	7.0%
2022	1,638	**3,611,239**	**39,073,065**	2,205	23,854	47.9%	-20.9%

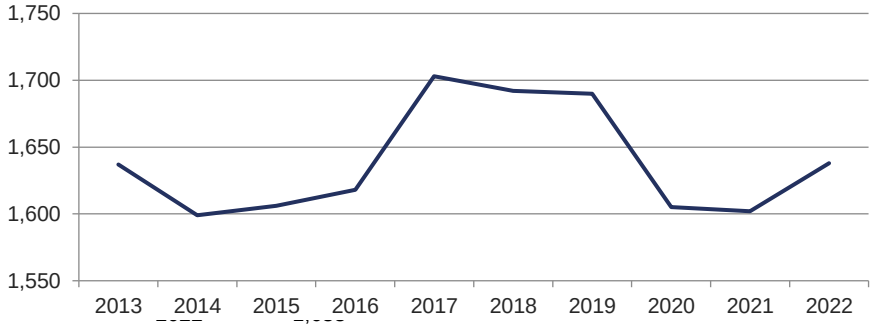
Natural gas consumption in the HD_C category in the year under review (thousands m³)



Natural gas consumption in the HD_C category over the last 10 years (thousands m³)



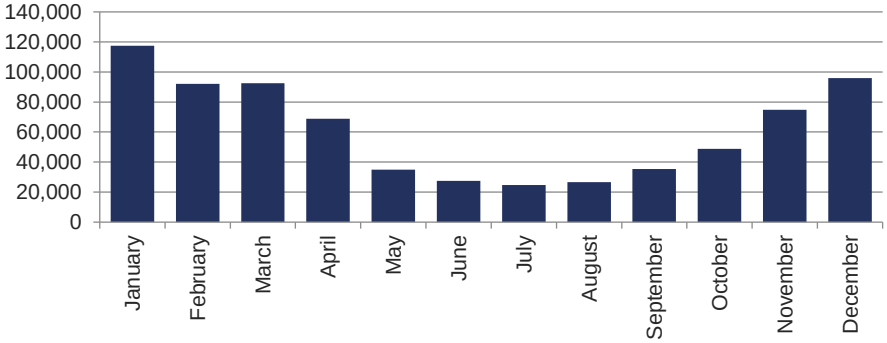
Number of customers in the HD_C category over the last 10 years



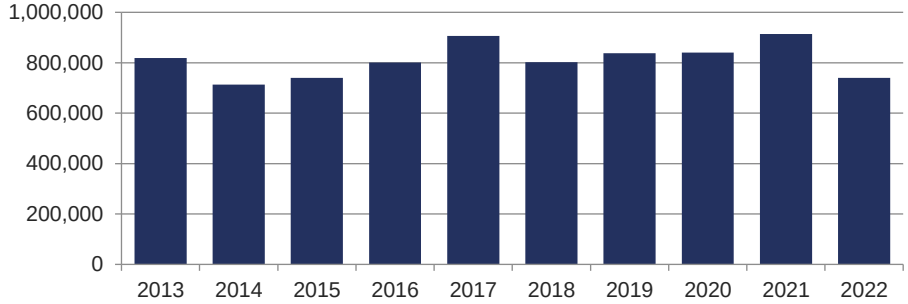
8.3 Natural gas consumption in the Czech Republic in the MD_C category in 2022 and over the last 10 years

Period	Number of customers at the end of the period	Natural gas consumption				The category's share of total consumption in the CR	Year-on-year change in total consumption
		Total consumption		Average consumption per customer			
		th m^3	MWh	th m^3	MWh		
January	6,600	**117,363**	**1,253,925**	18	190	10.3%	-7.2%
February	6,583	**92,041**	**984,927**	14	150	10.3%	-20.4%
March	6,510	**92,502**	**993,671**	14	153	10.0%	-10.2%
April	6,507	**68,867**	**742,914**	11	114	10.3%	-13.3%
May	6,515	**34,863**	**374,720**	5	58	9.0%	-36.3%
June	6,502	**27,427**	**297,400**	4	46	8.2%	-17.6%
July	6,507	**24,814**	**269,890**	4	41	8.6%	-20.7%
August	6,524	**26,654**	**289,393**	4	44	8.6%	-25.4%
September	6,526	**35,468**	**388,141**	5	59	9.3%	-12.4%
October	6,523	**48,868**	**535,577**	7	82	9.6%	-34.6%
November	6,509	**74,896**	**818,702**	12	126	10.1%	-28.1%
December	6,526	**95,967**	**1,045,933**	15	160	9.9%	-16.6%
1Q	6,510	**301,906**	**3,232,523**	46	497	10.2%	-12.5%
2Q	6,502	**131,157**	**1,415,033**	20	218	9.4%	-21.7%
3Q	6,526	**86,936**	**947,423**	13	145	8.8%	-19.2%
4Q	6,526	**219,730**	**2,400,211**	34	368	9.9%	-25.2%
1H	6,502	**433,063**	**4,647,556**	67	715	10.0%	-15.5%
2H	6,526	**306,667**	**3,347,634**	47	513	9.6%	-23.6%
Year	6,526	**739,730**	**7,995,190**	113	1,225	9.8%	-19.1%
2013	6,946	**819,144**	**8,704,031**	118	1,253	11.3%	2.2%
2014	6,841	**712,957**	**7,577,965**	104	1,108	9.4%	-13.0%
2015	6,814	**740,547**	**7,890,518**	109	1,158	9.0%	3.9%
2016	6,823	**801,512**	**8,566,823**	117	1,256	9.4%	8.2%
2017	6,817	**905,811**	**9,665,069**	133	1,418	10.6%	13.0%
2018	6,817	**802,317**	**8,559,039**	118	1,256	9.4%	-11.4%
2019	6,759	**837,955**	**8,942,579**	124	1,323	9.8%	4.4%
2020	6,748	**840,410**	**8,977,576**	125	1,330	9.7%	0.3%
2021	6,487	**913,967**	**9,759,423**	141	1,504	9.7%	8.8%
2022	6,526	**739,730**	**7,995,190**	113	1,225	9.8%	-19.1%

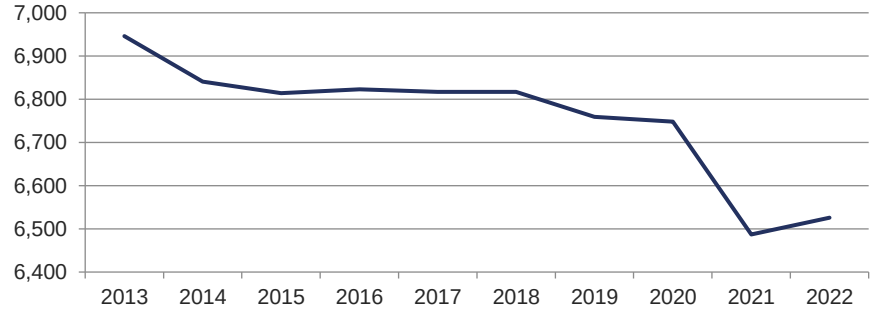
Natural gas consumption in the MD_C category in the year under review (thousands m^3)



Natural gas consumption in the MD_C category over the last 10 years (thousands m^3)



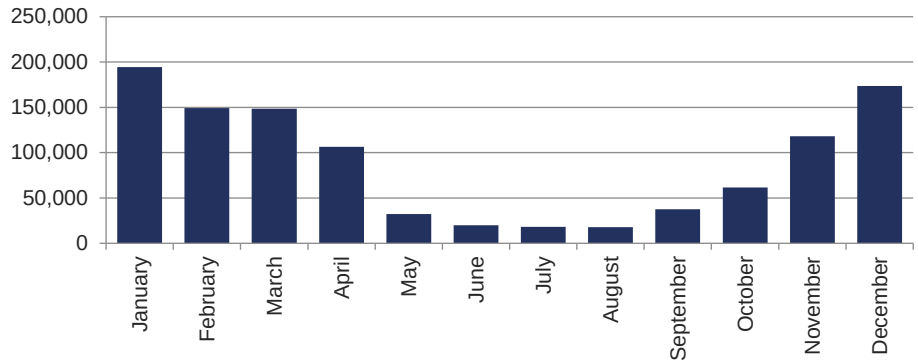
Number of customers by in the MD_C category over the last 10 years



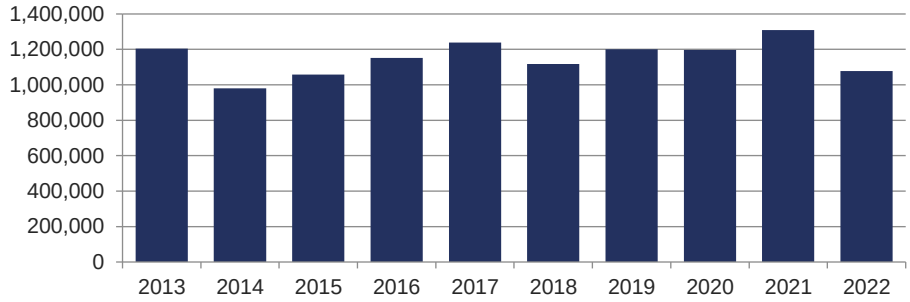
8.4 Natural gas consumption in the LD_C category in 2022 and over the last 10 years

Period	Number of customers at the end of the period	Natural gas consumption				The category's share of total consumption in the CR	Year-on-year change in total consumption
		Total consumption		Average consumption per customer			
		th m^3	MWh	th m^3	MWh		
January	206,598	**194,289**	**2,075,723**	0.940	10.047	17.1%	-9.2%
February	206,600	**149,401**	**1,598,567**	0.723	7.737	16.8%	-23.9%
March	206,722	**148,350**	**1,593,235**	0.718	7.707	16.1%	-11.5%
April	206,602	**106,471**	**1,148,193**	0.515	5.558	15.9%	-11.9%
May	206,463	**32,437**	**348,681**	0.157	1.689	8.3%	-52.0%
June	206,000	**19,778**	**214,550**	0.096	1.042	5.9%	-14.5%
July	205,447	**18,046**	**196,303**	0.088	0.955	6.3%	-14.6%
August	205,216	**17,662**	**191,782**	0.086	0.935	5.7%	-29.4%
September	204,601	**37,563**	**411,078**	0.184	2.009	9.8%	7.5%
October	204,243	**61,711**	**676,362**	0.302	3.312	12.2%	-35.0%
November	203,809	**118,318**	**1,293,274**	0.581	6.346	15.9%	-19.3%
December	203,698	**173,460**	**1,890,752**	0.852	9.282	18.0%	-12.2%
1Q	206,722	**492,040**	**5,267,525**	2.380	25.481	16.7%	-14.9%
2Q	206,000	**158,687**	**1,711,423**	0.770	8.308	11.4%	-25.0%
3Q	204,601	**73,271**	**799,163**	0.358	3.906	7.5%	-9.6%
4Q	203,698	**353,489**	**3,860,389**	1.735	18.952	15.9%	-19.5%
1H	206,000	**650,727**	**6,978,949**	3.159	33.878	15.0%	-17.6%
2H	203,698	**426,760**	**4,659,551**	2.095	22.875	13.3%	-18.0%
Year	203,698	**1,077,487**	**11,638,500**	5.290	57.136	14.3%	-17.7%
2013	201,274	**1,204,242**	**12,790,786**	5.983	63.549	16.5%	0.6%
2014	197,824	**980,634**	**10,423,644**	4.957	52.692	12.9%	-18.6%
2015	199,725	**1,057,163**	**11,257,688**	5.293	56.366	12.8%	7.8%
2016	199,995	**1,152,682**	**12,316,758**	5.764	61.585	13.5%	9.0%
2017	203,138	**1,238,757**	**13,218,066**	6.098	65.069	14.5%	7.5%
2018	205,693	**1,117,915**	**11,925,786**	5.435	57.979	13.1%	-9.8%
2019	206,267	**1,201,475**	**12,826,305**	5.825	62.183	14.0%	7.5%
2020	206,659	**1,197,729**	**12,792,266**	5.796	61.900	13.8%	-0.3%
2021	207,199	**1,309,687**	**13,986,122**	6.321	67.501	13.9%	9.3%
2022	203,698	**1,077,487**	**11,638,500**	5.290	57.136	14.3%	-17.7%

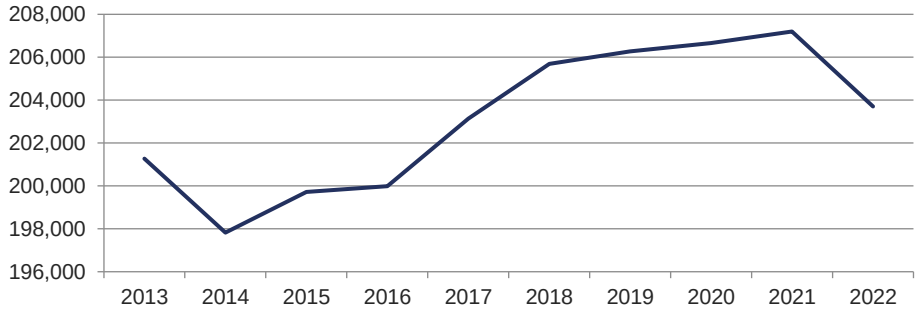
Natural gas consumption in the LD_C category in the year under review (thousands m^3)



Natural gas consumption in the LD_C category over the last 10 years (thousands m^3)



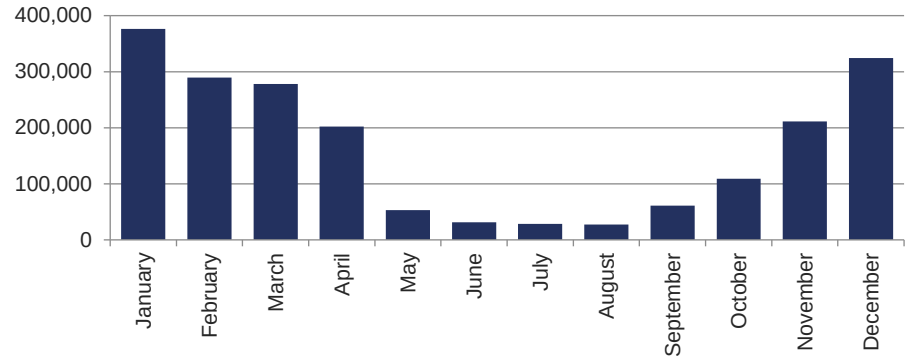
Number of customers in the LD_C category over the last 10 years



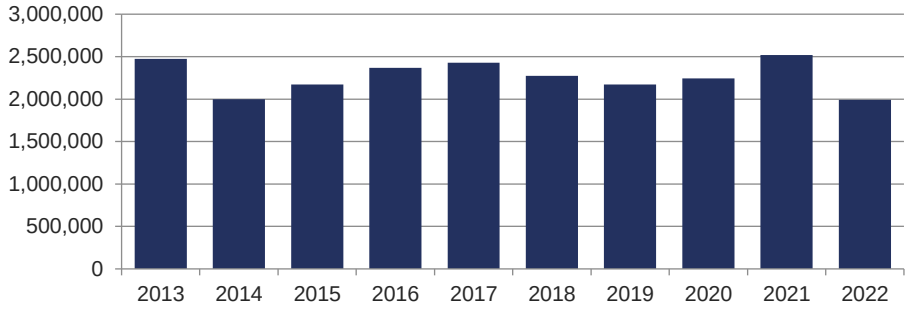
8.5 Natural gas consumption in the DOM category in 2022 and over the last 10 years

Period	Number of customers at the end of the period	Natural gas consumption				The category's share of total consumption in the CR	Year-on-year change in total consumption
		Total consumption		Average consumption per customer			
		th m^3	MWh	th m^3	MWh		
January	2,603,081	**376,532**	**4,022,596**	0.145	1.545	33.2%	-8.8%
February	2,601,500	**289,387**	**3,095,985**	0.111	1.190	32.5%	-22.6%
March	2,598,845	**278,024**	**2,985,295**	0.107	1.149	30.1%	-14.2%
April	2,595,254	**202,247**	**2,180,595**	0.078	0.840	30.1%	-15.7%
May	2,591,925	**53,285**	**572,760**	0.021	0.221	13.7%	-59.8%
June	2,588,055	**31,424**	**340,878**	0.012	0.132	9.3%	-22.8%
July	2,585,051	**28,601**	**311,180**	0.011	0.120	9.9%	-21.0%
August	2,581,381	**27,449**	**298,067**	0.011	0.115	8.8%	-39.0%
September	2,578,129	**61,003**	**667,549**	0.024	0.259	15.9%	-4.7%
October	2,574,344	**108,934**	**1,193,940**	0.042	0.464	21.5%	-41.7%
November	2,572,006	**211,294**	**2,309,424**	0.082	0.898	28.4%	-25.2%
December	2,569,422	**324,135**	**3,532,159**	0.126	1.375	33.5%	-14.8%
1Q	2,598,845	**943,944**	**10,103,877**	0.363	3.888	32.0%	-15.0%
2Q	2,588,055	**286,956**	**3,094,234**	0.111	1.196	20.5%	-30.5%
3Q	2,578,129	**117,054**	**1,276,796**	0.045	0.495	11.9%	-19.4%
4Q	2,569,422	**644,362**	**7,035,522**	0.251	2.738	29.1%	-24.1%
1H	2,588,055	**1,230,899**	**13,198,110**	0.476	5.100	28.3%	-19.2%
2H	2,569,422	**761,416**	**8,312,318**	0.296	3.235	23.8%	-23.5%
Year	2,569,422	**1,992,315**	**21,510,428**	0.775	8.372	26.4%	-20.9%
2013	2,650,488	**2,473,739**	**26,279,115**	0.933	9.915	34.0%	0.2%
2014	2,642,898	**1,999,120**	**21,252,656**	0.756	8.041	26.3%	-19.2%
2015	2,636,189	**2,171,136**	**23,123,104**	0.824	8.771	26.3%	8.6%
2016	2,632,037	**2,368,461**	**25,309,234**	0.900	9.616	27.8%	9.1%
2017	2,632,599	**2,427,269**	**25,902,115**	0.922	9.839	28.5%	2.5%
2018	2,626,417	**2,275,642**	**24,278,826**	0.866	9.244	26.6%	-6.2%
2019	2,619,793	**2,173,235**	**23,200,395**	0.830	8.856	25.4%	-4.5%
2020	2,614,120	**2,245,542**	**23,983,569**	0.859	9.175	25.8%	3.3%
2021	2,604,725	**2,518,716**	**26,898,782**	0.967	10.327	26.7%	12.2%
2022	2,569,422	**1,992,315**	**21,510,428**	0.775	8.372	26.4%	-20.9%

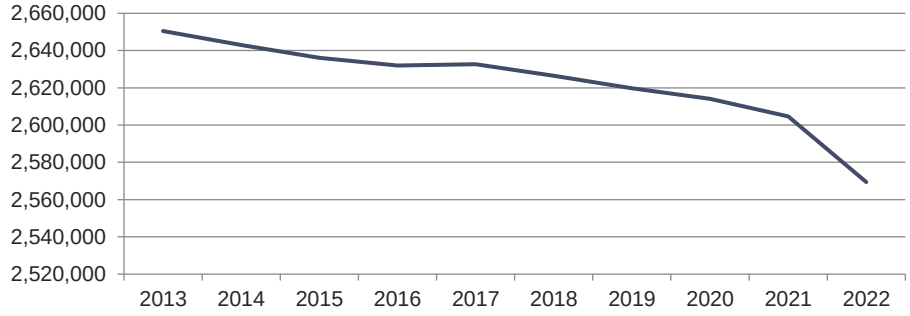
Gas consumption in the DOM category in the year under review (thousands m^3)



Natural gas consumption in the DOM category over the last 10 years (thousands m^3)



Number of customers in the DOM category over the last 10 years

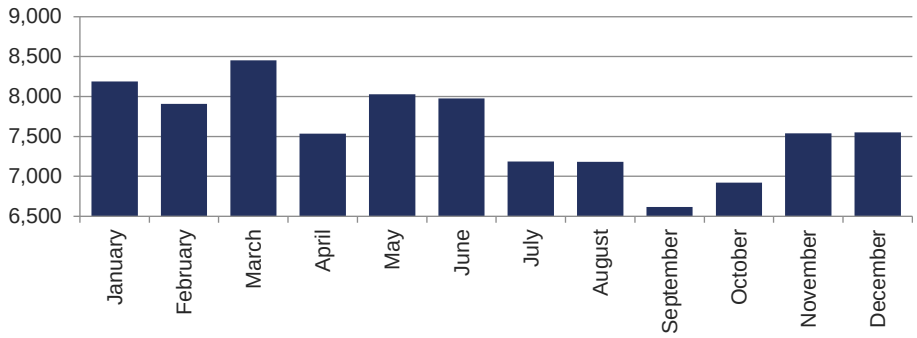


8.6 Natural gas supply to CNG stations in the Czech Republic in 2022 and over the last 10 years

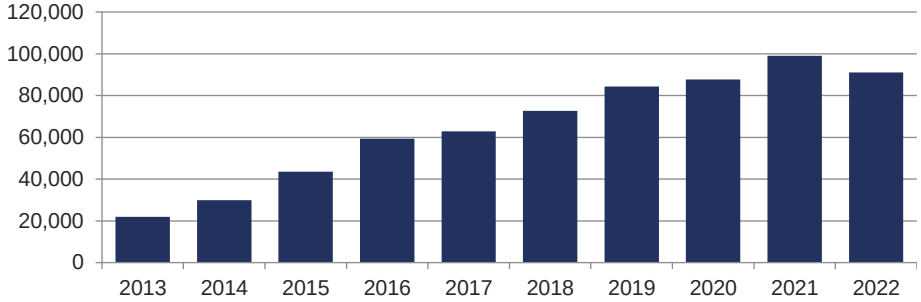
Period	Number of CNG stations	Supply to CNG stations				CNG's share of total consumption in the CR	Y/y change in supply to CNG stations
		Total supply		Average supply per CNG station			
		th m^3	MWh	th m^3	MWh		
January	269	**8,191**	**87,495**	30.5	325.3	0.7%	-0.3%
February	267	**7,909**	**84,598**	29.6	316.8	0.9%	5.4%
March	266	**8,454**	**90,753**	31.8	341.2	0.9%	7.1%
April	267	**7,534**	**81,221**	28.2	304.2	1.1%	-3.9%
May	267	**8,028**	**86,268**	30.1	323.1	2.1%	-3.8%
June	269	**7,977**	**86,487**	29.7	321.5	2.4%	-6.6%
July	268	**7,185**	**78,135**	26.8	291.5	2.5%	-11.1%
August	269	**7,183**	**77,970**	26.7	289.9	2.3%	-13.4%
September	271	**6,619**	**72,384**	24.4	267.1	1.7%	-21.4%
October	272	**6,921**	**75,831**	25.4	278.8	1.4%	-20.2%
November	270	**7,538**	**82,377**	27.9	305.1	1.0%	-13.1%
December	271	**7,553**	**81,928**	27.9	302.3	0.8%	-11.4%
1Q	266	**24,554**	**262,846**	92.3	988.1	0.8%	4.0%
2Q	269	**23,539**	**253,976**	87.5	944.2	1.7%	-4.8%
3Q	271	**20,987**	**228,489**	77.4	843.1	2.1%	-15.4%
4Q	271	**22,012**	**240,135**	81.2	886.1	1.0%	-14.9%
1H	269	**48,093**	**516,823**	178.8	1,921.3	1.1%	-0.5%
2H	271	**43,000**	**468,624**	158.7	1,729.2	1.3%	-15.1%
Year	271	**91,093**	**985,447**	336.1	3,636.3	1.2%	-8.0%
2013	50	**21,952**	**233,305**	439.0	4,666.1	0.3%	44.0%
2014	75	**29,912**	**318,040**	398.8	4,240.5	0.4%	36.3%
2015	108	**43,589**	**464,494**	403.6	4,300.9	0.5%	45.7%
2016	143	**59,346**	**634,378**	415.0	4,436.2	0.7%	36.1%
2017	196	**62,917**	**671,442**	321.0	3,425.7	0.7%	6.0%
2018	222	**72,655**	**775,213**	327.3	3,492.0	0.9%	15.5%
2019	238	**84,282**	**908,440**	354.1	3,817.0	1.0%	16.0%
2020	255	**87,655**	**936,926**	343.7	3,674.2	1.0%	4.0%
2021	270	**99,016**	**1,057,132**	366.7	3,915.3	1.0%	13.0%
2022	271	**91,093**	**985,447**	336.1	3,636.3	1.2%	-8.0%

Note: The data for the period from 2013 to 2016 were provided by the Czech Gas Association. In the whole chapter 8, the data on supply to CNG stations are included in each of the demand categories.

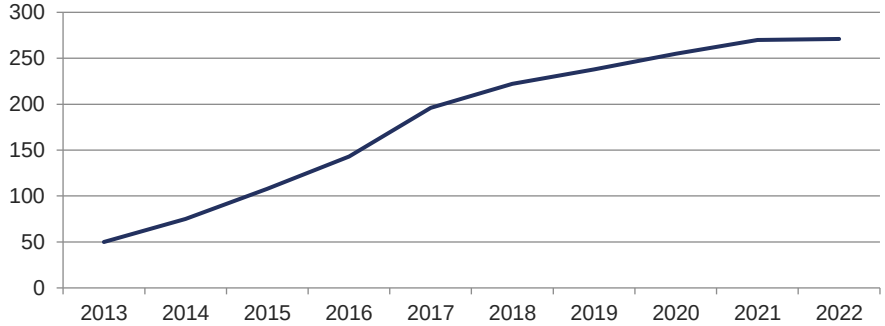
Natural gas supply to CNG stations in the year under review (thousands m^3)



Natural gas supply to CNG stations over the last 10 years (thousands m^3)



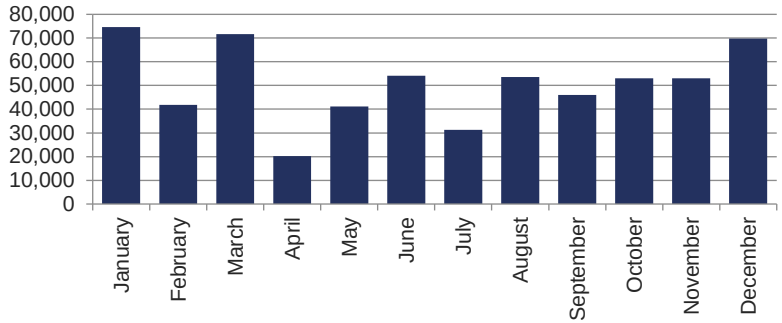
Number of CNG stations over the last 10 years



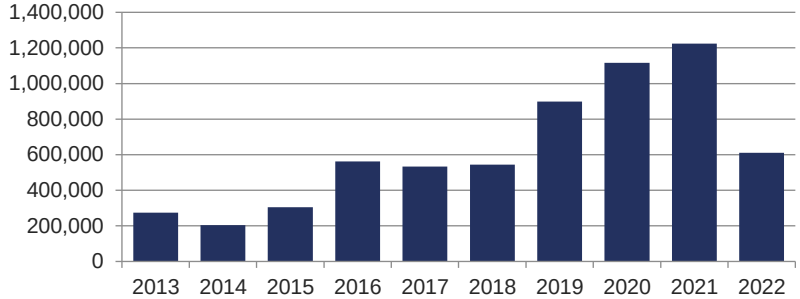
8.7 Natural gas consumption in the CR for electricity generation in 2022 and over the last 10 years

Period	Number of generating plants	Natural gas consumption in the CR for electricity generation						Electricity generation's share of total consumption in the CR	Y/y change in consumption for electricity generation
		Other		PPE		Total			
		th m^3	MWh	th m^3	MWh	th m^3	MWh		
January	847	29,650	315,750	44,975	481,557	**74,624**	**797,307**	6.6%	-43.6%
February	860	25,893	276,908	15,904	170,258	**41,797**	**447,166**	4.7%	-64.5%
March	866	26,868	285,447	44,785	484,146	**71,653**	**769,593**	7.8%	-49.9%
April	864	19,462	209,677	683	7,507	**20,145**	**217,184**	3.0%	-85.1%
May	860	12,984	139,110	28,206	303,576	**41,190**	**442,686**	10.6%	-37.1%
June	863	10,591	111,121	43,504	475,820	**54,095**	**586,942**	16.1%	-50.1%
July	864	8,725	93,791	22,503	245,894	**31,228**	**339,685**	10.8%	-67.8%
August	863	10,810	116,738	42,717	464,402	**53,527**	**581,139**	17.2%	-4.6%
September	868	13,423	145,238	32,604	358,464	**46,027**	**503,702**	12.0%	-33.3%
October	867	19,730	215,593	33,286	365,494	**53,017**	**581,087**	10.4%	-22.6%
November	870	24,879	271,279	28,122	308,047	**53,001**	**579,326**	7.1%	-54.5%
December	874	27,578	297,650	42,251	463,243	**69,829**	**760,893**	7.2%	-39.0%
1Q	866	82,411	878,105	105,664	1,135,962	**188,075**	**2,014,066**	6.4%	-52.2%
2Q	863	43,036	459,908	72,393	786,903	**115,430**	**1,246,811**	8.3%	-62.7%
3Q	868	32,958	355,767	97,824	1,068,759	**130,782**	**1,424,526**	13.3%	-41.1%
4Q	874	72,187	784,522	103,659	1,136,784	**175,846**	**1,921,306**	7.9%	-41.3%
1H	863	125,447	1,338,013	178,057	1,922,865	**303,504**	**3,260,878**	7.0%	-56.8%
2H	874	105,145	1,140,289	201,483	2,205,543	**306,629**	**3,345,832**	9.6%	-41.2%
Year	874	230,592	2,478,302	379,540	4,128,408	**610,133**	**6,606,710**	8.1%	-50.1%
2013	496	180,532	1,921,853	94,068	1,001,206	**274,600**	**2,923,059**	3.8%	55.0%
2014	533	171,004	1,818,531	33,533	356,247	**204,448**	**2,173,880**	2.7%	-25.5%
2015	597	201,047	2,145,055	104,141	1,108,873	**305,150**	**3,253,519**	3.7%	49.3%
2016	625	207,275	2,224,228	336,119	3,586,762	**561,179**	**6,001,740**	6.6%	83.9%
2017	681	217,593	2,326,068	316,305	3,370,964	**533,903**	**5,697,088**	6.3%	-4.9%
2018	688	217,342	2,323,020	326,419	3,480,481	**543,761**	**5,803,500**	6.6%	1.8%
2019	727	222,656	2,385,180	674,257	7,182,499	**897,735**	**9,576,452**	10.5%	65.1%
2020	792	242,611	2,596,158	874,188	9,343,480	**1,116,800**	**11,939,638**	12.8%	24.4%
2021	846	244,220	2,612,845	979,605	10,454,707	**1,223,833**	**13,067,639**	13.0%	9.6%
2022	874	230,592	2,478,302	379,540	4,128,408	**610,133**	**6,606,710**	8.1%	-50.1%

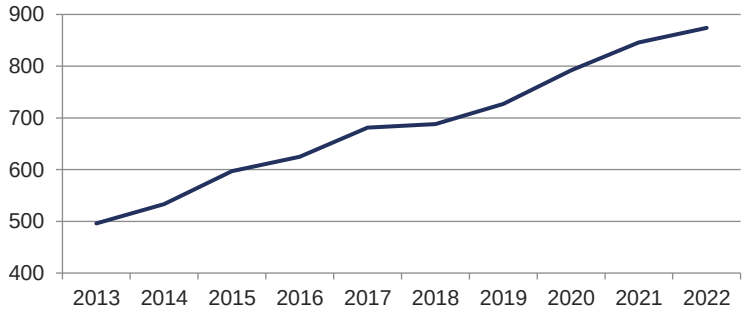
Natural gas consumption for electricity generation in the year under review (thousands m^3)



Natural gas consumption for electricity generation over the last 10 years (thousands m^3)



Number of electricity generating plants over the last 10 years



Note: All data on natural gas consumption for electricity generation are included in each of the demand categories. PPE in the Ústecký Region was put in full operation in July 2013 and PPE in the Karlovarský Region used natural gas as its primary fuel between July 2020 and December 2021.

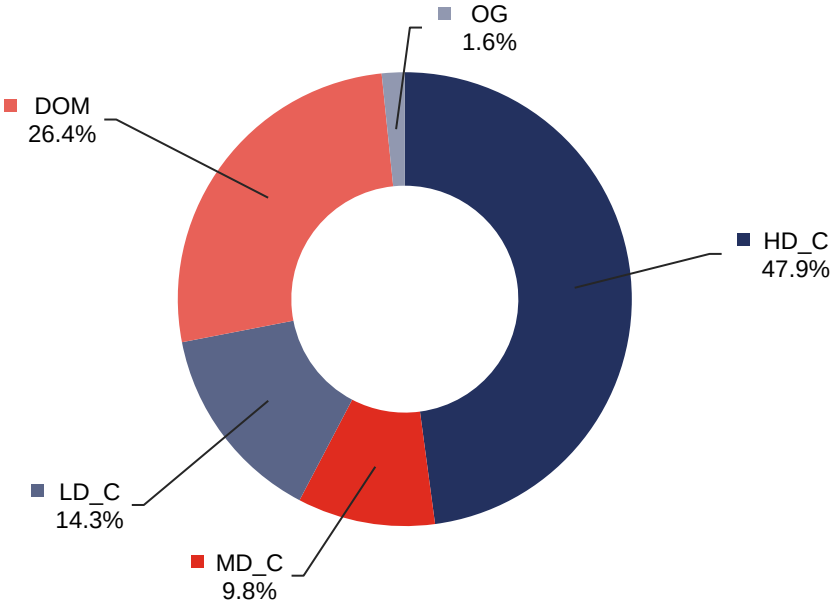
8.8 Natural gas consumption in the Czech Republic by customer category in 2022 and over the last 10 years

Period	Number of customers					Natural gas consumption											
						thousands m^3						MWh					
	HD_C	MD_C	LD_C	DOM	Total	HD_C	MD_C	LD_C	DOM	OG	Total	HD_C	MD_C	LD_C	DOM	OG	Total
January	1,656	6,600	206,598	2,603,081	**2,817,935**	422,567	117,363	194,289	376,532	23,511	**1,134,263**	4,515,090	1,253,925	2,075,723	4,022,596	251,456	**12,118,790**
February	1,671	6,583	206,600	2,601,500	**2,816,354**	337,567	92,041	149,401	289,387	22,104	**890,500**	3,610,829	984,927	1,598,567	3,095,985	236,660	**9,526,969**
March	1,660	6,510	206,722	2,598,845	**2,813,737**	384,449	92,502	148,350	278,024	19,294	**922,619**	4,130,038	993,671	1,593,235	2,985,295	207,215	**9,909,454**
April	1,660	6,507	206,602	2,595,254	**2,810,023**	286,967	68,867	106,471	202,247	6,810	**671,362**	3,092,677	742,914	1,148,193	2,180,595	73,605	**7,237,984**
May	1,659	6,515	206,463	2,591,925	**2,806,562**	263,686	34,863	32,437	53,285	4,624	**388,896**	2,833,568	374,720	348,681	572,760	49,929	**4,179,657**
June	1,659	6,502	206,000	2,588,055	**2,802,216**	256,066	27,427	19,778	31,424	1,659	**336,354**	2,778,388	297,400	214,550	340,878	18,307	**3,649,523**
July	1,643	6,507	205,447	2,585,051	**2,798,648**	216,437	24,814	18,046	28,601	668	**288,566**	2,354,014	269,890	196,303	311,180	7,541	**3,138,926**
August	1,642	6,524	205,216	2,581,381	**2,794,763**	238,622	26,654	17,662	27,449	717	**311,105**	2,590,500	289,393	191,782	298,067	7,884	**3,377,627**
September	1,640	6,526	204,601	2,578,129	**2,790,896**	246,585	35,468	37,563	61,003	2,738	**383,358**	2,698,511	388,141	411,078	667,549	30,011	**4,195,290**
October	1,631	6,523	204,243	2,574,344	**2,786,741**	278,534	48,868	61,711	108,934	9,563	**507,609**	3,052,745	535,577	676,362	1,193,940	105,005	**5,563,628**
November	1,648	6,509	203,809	2,572,006	**2,783,972**	324,255	74,896	118,318	211,294	14,208	**742,971**	3,543,933	818,702	1,293,274	2,309,424	155,763	**8,121,096**
December	1,638	6,526	203,698	2,569,422	**2,781,284**	355,504	95,967	173,460	324,135	17,093	**966,158**	3,872,772	1,045,933	1,890,752	3,532,159	186,138	**10,527,754**
1Q	1,660	6,510	206,722	2,598,845	**2,813,737**	1,144,583	301,906	492,040	943,944	64,910	**2,947,383**	12,255,957	3,232,523	5,267,525	10,103,877	695,331	**31,555,212**
2Q	1,659	6,502	206,000	2,588,055	**2,802,216**	806,720	131,157	158,687	286,956	13,093	**1,396,613**	8,704,633	1,415,033	1,711,423	3,094,234	141,842	**15,067,165**
3Q	1,640	6,526	204,601	2,578,129	**2,790,896**	701,644	86,936	73,271	117,054	4,123	**983,029**	7,643,025	947,423	799,163	1,276,796	45,436	**10,711,843**
4Q	1,638	6,526	203,698	2,569,422	**2,781,284**	958,292	219,730	353,489	644,362	40,864	**2,216,738**	10,469,450	2,400,211	3,860,389	7,035,522	446,906	**24,212,478**
1H	1,659	6,502	206,000	2,588,055	**2,802,216**	1,951,303	433,063	650,727	1,230,899	78,003	**4,343,996**	20,960,590	4,647,556	6,978,949	13,198,110	837,173	**46,622,377**
2H	1,638	6,526	203,698	2,569,422	**2,781,284**	1,659,936	306,667	426,760	761,416	44,988	**3,199,767**	18,112,475	3,347,634	4,659,551	8,312,318	492,342	**34,924,321**
Year	1,638	6,526	203,698	2,569,422	**2,781,284**	3,611,239	739,730	1,077,487	1,992,315	122,991	**7,543,762**	39,073,065	7,995,190	11,638,500	21,510,428	1,329,514	**81,546,698**
2013	1,637	6,946	201,274	2,650,488	**2,860,345**	3,627,323	819,144	1,204,242	2,473,739	152,646	**8,277,094**	38,572,429	8,704,031	12,790,786	26,279,115	1,622,237	**87,968,598**
2014	1,599	6,841	197,824	2,642,898	**2,849,162**	3,410,397	712,957	980,634	1,999,120	177,313	**7,280,420**	36,263,816	7,577,965	10,423,644	21,252,656	1,891,038	**77,409,120**
2015	1,606	6,814	199,725	2,636,189	**2,844,334**	3,522,762	740,547	1,057,163	2,171,136	115,957	**7,607,565**	37,559,635	7,890,518	11,257,688	23,123,104	1,236,956	**81,067,901**
2016	1,618	6,823	199,995	2,632,037	**2,840,473**	3,836,358	801,512	1,152,682	2,368,461	96,121	**8,255,134**	41,022,705	8,566,823	12,316,758	25,309,234	1,027,647	**88,243,167**
2017	1,703	6,817	203,138	2,632,599	**2,844,257**	3,847,746	905,811	1,238,757	2,427,269	107,900	**8,527,483**	41,058,748	9,665,069	13,218,066	25,902,115	1,152,224	**90,996,222**
2018	1,692	6,817	205,693	2,626,417	**2,840,619**	3,854,920	802,317	1,117,915	2,275,642	131,962	**8,182,756**	41,132,713	8,559,039	11,925,786	24,278,826	1,410,046	**87,306,411**
2019	1,690	6,759	206,267	2,619,793	**2,834,509**	4,200,741	837,955	1,201,475	2,173,235	151,223	**8,564,629**	44,813,140	8,942,579	12,826,305	23,200,395	1,615,214	**91,397,634**
2020	1,605	6,748	206,659	2,614,120	**2,829,132**	4,268,310	840,410	1,197,729	2,245,542	142,229	**8,694,219**	45,620,793	8,977,576	12,792,266	23,983,569	1,520,228	**92,894,431**
2021	1,602	6,487	207,199	2,604,725	**2,820,013**	4,565,694	913,967	1,309,687	2,518,716	125,670	**9,433,734**	48,749,273	9,759,423	13,986,122	26,898,782	1,343,877	**100,737,477**
2022	1,638	6,526	203,698	2,569,422	**2,781,284**	3,611,239	739,730	1,077,487	1,992,315	122,991	**7,543,762**	39,073,065	7,995,190	11,638,500	21,510,428	1,329,514	**81,546,698**

8.9 Natural gas consumption broken down by customer category and way of use in the Czech Republic

Natural gas consumption in the CR by customer category

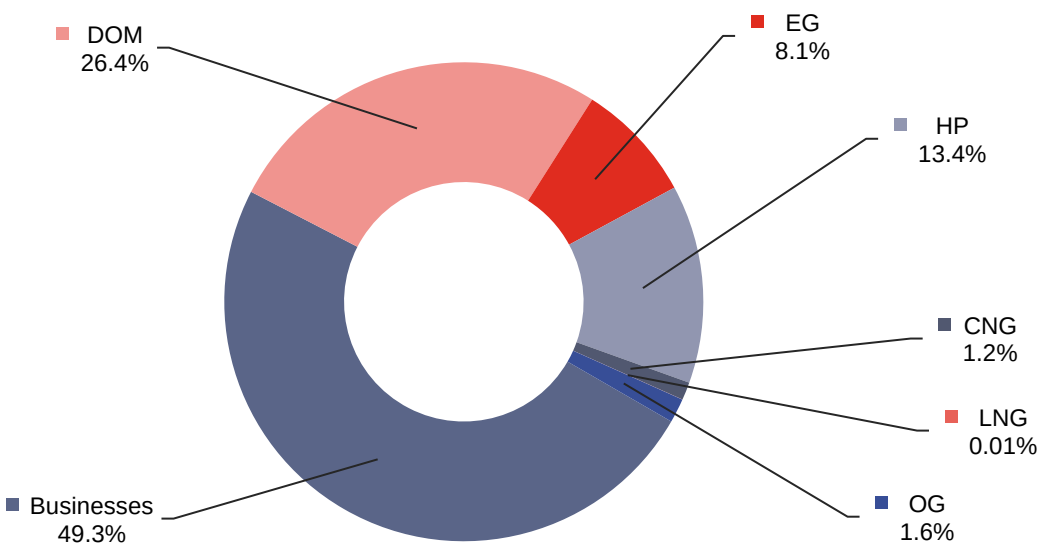
	HD_C	MD_C	LD_C	DOM	OG	Total
Gas consumption (th m^3)	3,611,239	739,730	1,077,487	1,992,315	122,991	**7,543,762**
Gas consumption (MWh)	39,073,065	7,995,190	11,638,500	21,510,428	1,329,514	**81,546,698**
Share	47.9%	9.8%	14.3%	26.4%	1.6%	**100.0%**
Number of customers	1,638	6,526	203,698	2,569,422		**2,781,284**



Natural gas consumption in the CR by way of use

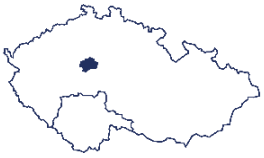
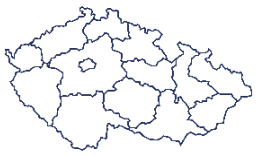
	Businesses	DOM	EG	HP	CNG	LNG	OG	Total
Gas consumption (th m^3)	3,716,050	1,992,315	610,133	1,010,494	91,093	687	122,991	**7,543,762**
Gas consumption (MWh)	40,184,031	21,510,428	6,606,710	10,923,261	985,447	7,307	1,329,514	**81,546,698**
Share	49.3%	26.4%	8.1%	13.4%	1.2%	0.01%	1.6%	**100.0%**
Customers/installations/ stations	209,604	2,569,422	874	1,976	271	10		**2,781,284**

Note: Some plants that generate electricity (EG) and produce heat (HP) from natural gas produce combined heat and power (CHP), and they are therefore shown in the table for both electricity and heat producing plants. The Total item already does not include 'duplicate' plants.



9 NATURAL GAS CONSUMPTION BY DISTRIBUTION SYSTEM

9.1 Natural gas consumption by gas system, customer category and CNG in the Czech Republic

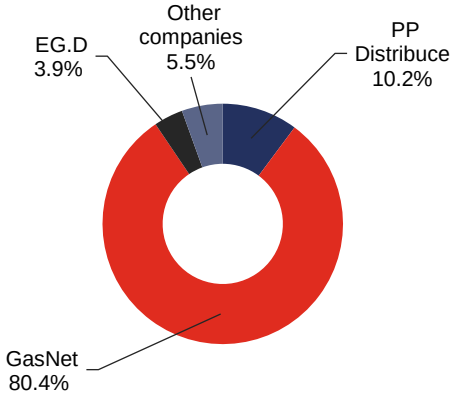
Category	Number of customers on 31 Dec 2022	2022 th m³	2022 MWh	2022 Share	2022 Y/y change	2021 th m³	2021 MWh	2021 Share
Czech Republic								
HD_C	1,578	3,557,574	38,492,265	47.2%	-22.1%	4,565,694	48,749,273	48.4%
MD_C	6,338	702,714	7,594,988	9.3%	-19.4%	871,903	9,310,430	9.2%
LD_C	203,675	1,077,076	11,634,056	14.3%	-14.0%	1,252,735	13,377,983	13.3%
DOM	2,569,422	1,992,315	21,510,428	26.4%	-20.9%	2,518,716	26,898,782	26.7%
CNG	271	91,093	985,447	1.2%	-8.0%	99,016	1,057,132	1.0%
OG+VS+PKS		122,991	1,329,514	1.6%	-2.1%	125,670	1,343,877	1.3%
Total	**2,781,284**	**7,543,762**	**81,546,698**	**100.0%**	**-20.0%**	**9,433,734**	**100,737,477**	**100.0%**
Pražská plynárenská Distribuce, a.s.								
								
HD_C	138	167,000	1,810,389	21.7%	-13.8%	193,633	2,066,603	21.1%
MD_C	1,507	144,470	1,566,156	18.8%	-16.3%	172,673	1,842,901	18.8%
LD_C	37,679	179,387	1,944,689	23.4%	-16.1%	213,836	2,282,228	23.3%
DOM	368,076	248,650	2,695,543	32.4%	-17.1%	299,948	3,201,278	32.7%
CNG	38	11,933	129,365	1.6%	-18.6%	14,652	156,373	1.6%
OG		16,789	182,006	2.2%	-21.4%	21,354	227,910	2.3%
Total	**407,438**	**768,229**	**8,328,147**	**100.0%**	**-16.1%**	**916,095**	**9,777,294**	**100.0%**
GasNet, s.r.o.								
HD_C	1,244	2,878,599	31,127,126	47.5%	-22.6%	3,717,128	39,695,076	48.9%
MD_C	4,350	519,635	5,612,893	8.6%	-19.9%	648,723	6,928,315	8.5%
LD_C	154,279	842,805	9,098,466	13.9%	-13.2%	971,059	10,371,577	12.8%
DOM	2,091,335	1,661,020	17,924,929	27.4%	-21.5%	2,116,838	22,609,129	27.8%
CNG	210	73,838	798,908	1.2%	-6.6%	79,032	843,927	1.0%
OG		87,260	940,661	1.4%	22.0%	71,518	763,979	0.9%
Total	**2,251,418**	**6,063,157**	**65,502,983**	**100.0%**	**-20.3%**	**7,604,296**	**81,212,003**	**100.0%**
EG.D, a.s.								
HD_C	100	111,539	1,203,238	37.6%	-8.9%	122,464	1,307,650	34.8%
MD_C	347	37,953	409,029	12.8%	-23.6%	49,706	530,740	14.1%
LD_C	10,596	54,048	582,022	18.2%	-18.9%	66,664	711,817	18.9%
DOM	101,965	82,437	887,731	27.8%	-18.9%	101,680	1,085,703	28.9%
CNG	17	4,802	51,787	1.6%	-3.6%	4,981	53,188	1.4%
OG		5,670	61,112	1.9%	-16.1%	6,755	72,124	1.9%
Total	**113,025**	**296,448**	**3,194,919**	**100.0%**	**-15.8%**	**352,250**	**3,761,221**	**100.0%**
Other companies *								
								
HD_C	96	400,436	4,351,512	96.3%	-24.8%	532,470	5,679,944	94.9%
MD_C	134	656	6,910	0.2%	-18.2%	802	8,474	0.1%
LD_C	1,121	836	8,879	0.2%	-28.9%	1,176	12,360	0.2%
DOM	8,046	209	2,226	0.1%	-16.5%	251	2,671	0.0%
CNG	6	519	5,387	0.1%	47.8%	352	3,644	0.1%
OG+VS+PKS		13,271	145,736	3.2%	-49.0%	26,043	279,864	4.6%
Total	**9,403**	**415,928**	**4,520,649**	**100.0%**	**-25.9%**	**561,093**	**5,986,958**	**100.0%**

* Other companies include gas supply to customers connected directly to the gas transmission system and fuel gas (PKS), i.e. gas for fuelling compression stations of NET4GAS, s.r.o., supply in island LDS (not included in RDS), all local distribution systems that are connected to RDS (the numbers of customers and CNG stations are only shown; gas consumption is included in RDS) and gas producers' own use (VS).

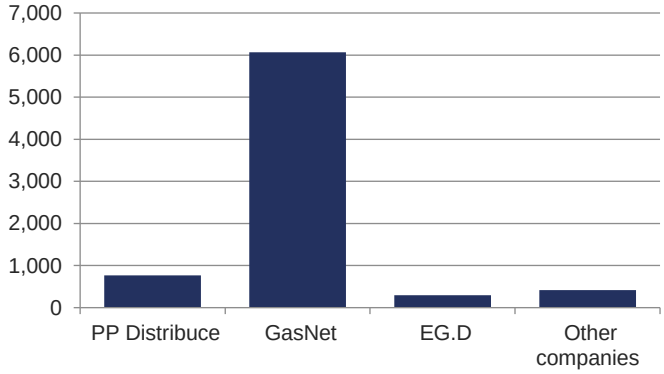
9.2 Natural gas consumption by gas system in the Czech Republic in 2022

Period	thousands m³					MWh				
2022	PP Distribuce	GasNet	EG.D	Other companies	Total	PP Distribuce	GasNet	EG.D	Other companies	Total
January	130,387	910,406	44,985	48,485	**1,134,263**	1,394,340	9,725,047	480,282	519,121	**12,118,790**
February	102,886	731,827	36,666	19,122	**890,500**	1,103,405	7,826,733	392,158	204,672	**9,526,969**
March	100,233	737,192	36,894	48,301	**922,619**	1,081,828	7,911,418	394,441	521,767	**9,909,454**
April	74,550	563,107	28,311	5,394	**671,362**	809,197	6,068,092	302,457	58,238	**7,237,984**
May	27,622	313,817	14,858	32,599	**388,896**	298,028	3,371,928	158,932	350,770	**4,179,657**
June	19,349	259,233	11,606	46,166	**336,354**	211,928	2,807,946	124,974	504,675	**3,649,523**
July	18,844	235,295	10,146	24,281	**288,566**	206,303	2,557,612	109,754	265,258	**3,138,926**
August	18,444	237,313	10,659	44,688	**311,105**	201,105	2,574,978	115,844	485,700	**3,377,627**
September	29,906	303,571	15,231	34,650	**383,358**	329,066	3,320,011	165,664	380,548	**4,195,290**
October	46,755	405,362	19,199	36,294	**507,609**	512,715	4,442,646	210,257	398,010	**5,563,628**
November	83,653	598,773	29,740	30,804	**742,971**	916,317	6,543,496	323,856	337,426	**8,121,096**
December	115,598	767,260	38,154	45,145	**966,158**	1,263,913	8,353,077	416,299	494,464	**10,527,754**
1Q	333,506	2,379,425	118,544	115,907	**2,947,383**	3,579,574	25,463,198	1,266,881	1,245,560	**31,555,212**
2Q	121,522	1,136,157	54,775	84,158	**1,396,613**	1,319,154	12,247,966	586,363	913,683	**15,067,165**
3Q	67,195	776,179	36,036	103,619	**983,029**	736,474	8,452,600	391,263	1,131,506	**10,711,843**
4Q	246,006	1,771,395	87,093	112,244	**2,216,738**	2,692,946	19,339,220	950,413	1,229,900	**24,212,478**
1H	455,028	3,515,583	173,319	200,065	**4,343,996**	4,898,727	37,711,163	1,853,244	2,159,243	**46,622,377**
2H	313,201	2,547,574	123,129	215,863	**3,199,767**	3,429,420	27,791,820	1,341,675	2,361,406	**34,924,321**
Year	768,229	6,063,157	296,448	415,928	**7,543,762**	8,328,147	65,502,983	3,194,919	4,520,649	**81,546,698**

Gas companies' shares of gas consumption in 2022



Gas consumption attributable to gas companies in 2022 (million m³)



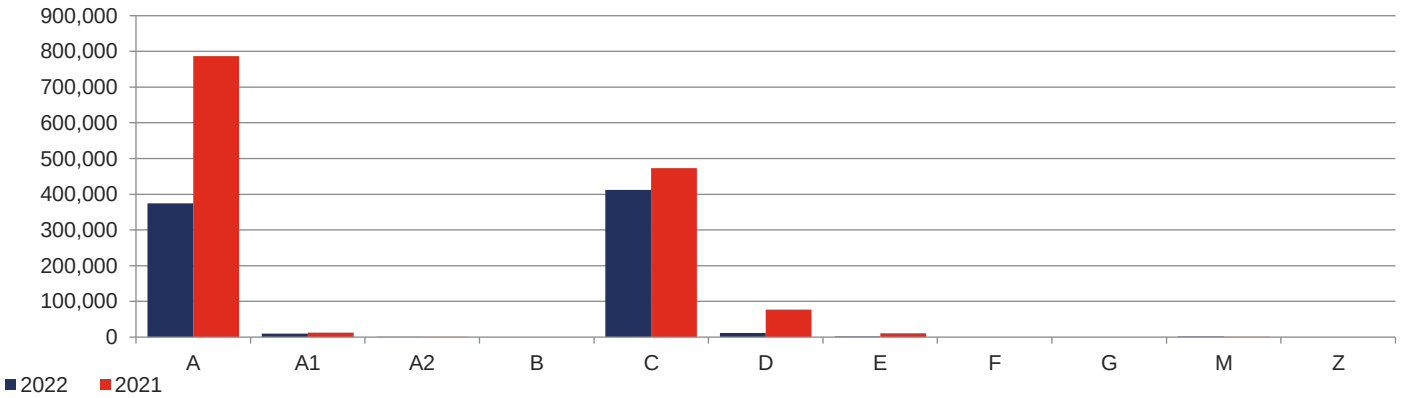
Air temperature in 2022 (°C)

	PP Distribuce	GasNet	EG.D	Other companies	Total
Year	11.0	9.5	9.1	9.5	**9.5**
Maximum	29.6	25.3	25.0	25.2	**25.2**
Minimum	-8.8	-8.3	-9.8	-8.5	**-8.5**
The normal	9.1	8.1	7.5	8.5	**8.5**
Difference	1.9	1.4	1.6	0.9	**0.9**

9.3 Gas quantities distributed through local distribution systems in the Czech Republic

	Gas type	Type of distribution	Number of customers		thousands m³			MWh	
			2022	2021	2022	2021	Y/y change	2022	2021
LDS in RDS[1]	Natural gas for distribution	A	9,225	8,580	374,940.2	786,494.0	-52.3%	4,054,465.4	8,393,594.0
	Carbonic natural gas	A1	0	0	0.0	0.0		0.0	0.0
	Natural gas (LNG)	A2	0	0	0.0	0.0		0.0	0.0
	Propane, butane and their mixtures	B	0	0	0.0	0.0		0.0	0.0
	Coke-oven gas	C	0	0	0.0	0.0		0.0	0.0
	Mine gas	D	0	0	0.0	0.0		0.0	0.0
	Landfill gas	E	0	0	0.0	0.0		0.0	0.0
	Biogas	F	0	0	0.0	0.0		0.0	0.0
	Producer gas	G	0	0	0.0	0.0		0.0	0.0
	Biomethane	M	2	1	1,300.9	919.5	41.5%	13,319.4	9,655.1
	Other	Z	0	0	0.0	0.0		0.0	0.0
	Total distribution of natural gas	**A+A1+A2+M**	**9,227**	**8,581**	**376,241.1**	**787,413.5**	-52.2%	**4,067,784.8**	**8,403,249.1**
	All gases	**Total**	**9,227**	**8,581**	**376,241.1**	**787,413.5**	-52.2%	**4,067,784.8**	**8,403,249.1**
LDS outside RDS[2]	Natural gas for distribution	A	0	0	0.0	0.0			0.0
	Carbonic natural gas	A1	161	164	10,250.2	12,301.3	-16.7%	107,760.6	129,231.2
	Natural gas (LNG)	A2	10	4	1,247.4	990.8	25.9%	13,097.9	10,402.9
	Propane, butane and their mixtures	B	0	0	0.0	0.0		0.0	0.0
	Coke-oven gas	C	3	3	412,315.4	472,884.1	-12.8%	2,188,624.0	2,544,179.9
	Mine gas	D	10	10	11,800.0	77,030.6	-84.7%	111,740.8	806,161.2
	Landfill gas	E	1	1	1,886.0	10,437.0	-81.9%	6,701.0	45,793.0
	Biogas	F	0	0	0.0	0.0		0.0	0.0
	Producer gas	G	0	0	0.0	0.0		0.0	0.0
	Biomethane	M	0	0	0.0	0.0		0.0	0.0
	Other	Z	0	0	0.0	0.0		0.0	0.0
	Total distribution of natural gas	**A+A1+A2+M**	**171**	**168**	**11,497.6**	**13,292.1**	-13.5%	**120,858.5**	**139,634.0**
	All gases	**Total**	**185**	**182**	**437,499.0**	**573,643.8**	-23.7%	**2,427,924.4**	**3,535,768.1**
Total LDS	Natural gas for distribution	A	9,225	8,580	374,940	786,494	-52.3%	4,054,465	8,393,594
	Carbonic natural gas	A1	161	164	10,250	12,301	-16.7%	107,761	129,231
	Natural gas (LNG)	A2	10	4	1,247	991	25.9%	13,098	10,403
	Propane, butane and their mixtures	B	0	0	0	0		0	0
	Coke-oven gas	C	3	3	412,315	472,884	-12.8%	2,188,624	2,544,180
	Mine gas	D	10	10	11,800	77,031	-84.7%	111,741	806,161
	Landfill gas	E	1	1	1,886	10,437	-81.9%	6,701	45,793
	Biogas	F	0	0	0	0		0	0
	Producer gas	G	0	0	0	0		0	0
	Biomethane	M	2	1	1,301	919	41.5%	13,319	9,655
	Other	Z	0	0	0	0		0	0
	Total distribution of natural gas	**A+A1+A2+M**	**9,398**	**8,749**	**387,738.7**	**800,705.6**	-51.6%	**4,188,643.3**	**8,542,883.1**
	All gases	**Total**	**9,412**	**8,763**	**813,740.1**	**1,361,057.3**	-40.2%	**6,495,709.1**	**11,939,017.2**

Gas quantities distributed through local distribution systems in the CR (million m³)



[1] LDS in RDS – All local distribution systems that are connected to regional distribution systems.

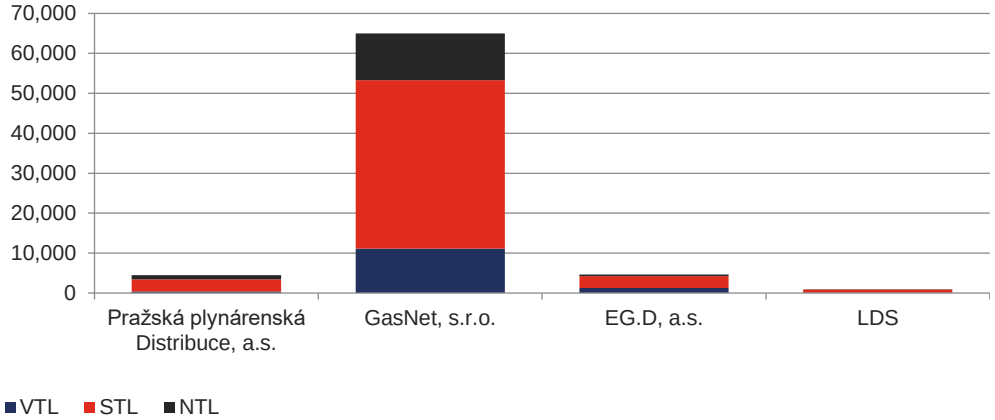
[2] LDS outside RDS – All local distribution systems that are not connected to regional distribution systems (island operations, LNG).

9.4 Gas pipeline lengths of gas systems in the Czech Republic by pressure

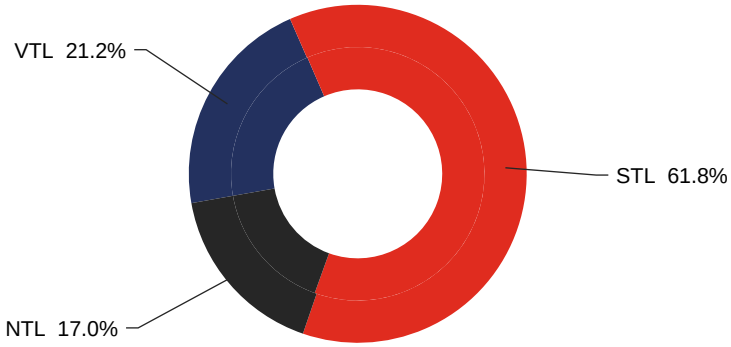
Gas pipeline lengths on 31 December 2022 (in m)

	VTL			STL			NTL			Total		
	Without service pipes	Service pipes	Including service pipes	Without service pipes	Service pipes	Including service pipes	Without service pipes	Service pipes	Including service pipes	Without service pipes	Service pipes	Including service pipes
Regional distribution system operators (RDS)												
Pražská plynárenská Distribuce, a.s.	371,765	96	371,861	2,490,005	554,875	3,044,880	834,936	207,560	1,042,496	**3,696,706**	**762,531**	**4,459,237**
GasNet, s.r.o.	11,115,260	0	11,115,260	34,254,923	7,906,206	42,161,129	8,496,054	3,257,969	11,754,023	**53,866,237**	**11,164,175**	**65,030,412**
EG.D, a.s.	1,240,034	0	1,240,034	2,388,818	614,986	3,003,804	271,443	109,138	380,581	**3,900,295**	**724,124**	**4,624,419**
Total	**12,727,059**	**96**	**12,727,155**	**39,133,746**	**9,076,067**	**48,209,813**	**9,602,433**	**3,574,667**	**13,177,100**	**61,463,238**	**12,650,830**	**74,114,068**
Local distribution system operators (LDS)												
Total	**44,029**	**0**	**44,029**	**762,749**	**80,220**	**842,969**	**36,468**	**1,717**	**38,185**	**843,246**	**81,937**	**925,183**
Transmission system operator (TSO)												
NET4GAS, s.r.o.	4,058,560	0	4,058,560	0	0	0	0	0	0	**4,058,560**	**0**	**4,058,560**
Czech Republic												
RDS + LDS	12,771,088	96	12,771,184	39,896,495	9,156,287	49,052,782	9,638,901	3,576,384	13,215,285	**62,306,484**	**12,732,767**	**75,039,251**
RDS + PPS	16,785,619	96	16,785,715	39,133,746	9,076,067	48,209,813	9,602,433	3,574,667	13,177,100	**65,521,798**	**12,650,830**	**78,172,628**
RDS + LDS + PPS	16,829,648	96	16,829,744	39,896,495	9,156,287	49,052,782	9,638,901	3,576,384	13,215,285	**66,365,044**	**12,732,767**	**79,097,811**

DSOs' and TSO's pipeline lengths (km)



Percentages of pipeline length at each of the pressure levels related to the total length of gas pipelines in the CR

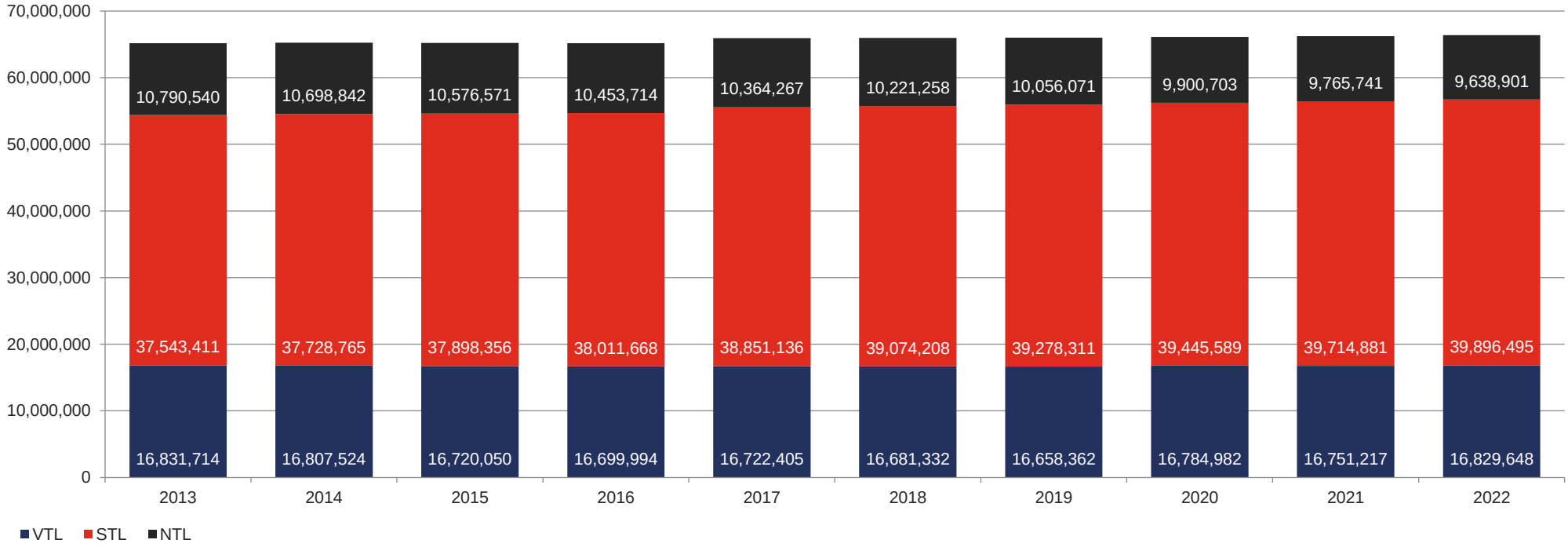


9.5 Pipeline lengths of gas systems in the Czech Republic by pressure level over the last 10 years

Pipeline lengths on 31 December of the year (in m)

Period	VTL			STL			NTL			Total		
	Without service pipes	Service pipes	Including service pipes	Without service pipes	Service pipes	Including service pipes	Without service pipes	Service pipes	Including service pipes	Without service pipes	Service pipes	Including service pipes
2013	16,831,714			37,543,411			10,790,540			**65,165,665**		
2014	16,807,524			37,728,765			10,698,842			**65,235,130**		
2015	16,720,050			37,898,356			10,576,571			**65,194,976**		
2016	16,699,994			38,011,668			10,453,714			**65,165,376**		
2017	16,722,405	79	16,722,484	38,851,136	8,726,838	47,577,974	10,364,267	3,880,584	14,244,851	**65,937,808**	**12,607,501**	**78,545,309**
2018	16,681,332	96	16,681,428	39,074,208	8,811,660	47,885,868	10,221,258	3,816,695	14,037,953	**65,976,798**	**12,628,452**	**78,605,250**
2019	16,658,362	77	16,658,439	39,278,311	8,904,050	48,182,361	10,056,071	3,746,131	13,802,202	**65,992,743**	**12,650,258**	**78,643,001**
2020	16,784,982	84	16,785,065	39,445,589	9,004,408	48,449,996	9,900,703	3,683,872	13,584,575	**66,131,274**	**12,688,363**	**78,819,637**
2021	16,751,217	97	16,751,314	39,714,881	9,088,431	48,803,313	9,765,741	3,626,653	13,392,394	**66,231,840**	**12,715,181**	**78,947,021**
2022	16,829,648	96	16,829,744	39,896,495	9,156,287	49,052,782	9,638,901	3,576,384	13,215,285	**66,365,044**	**12,732,767**	**79,097,811**

Pipeline lengths between 2013 and 2022 (without service pipes)



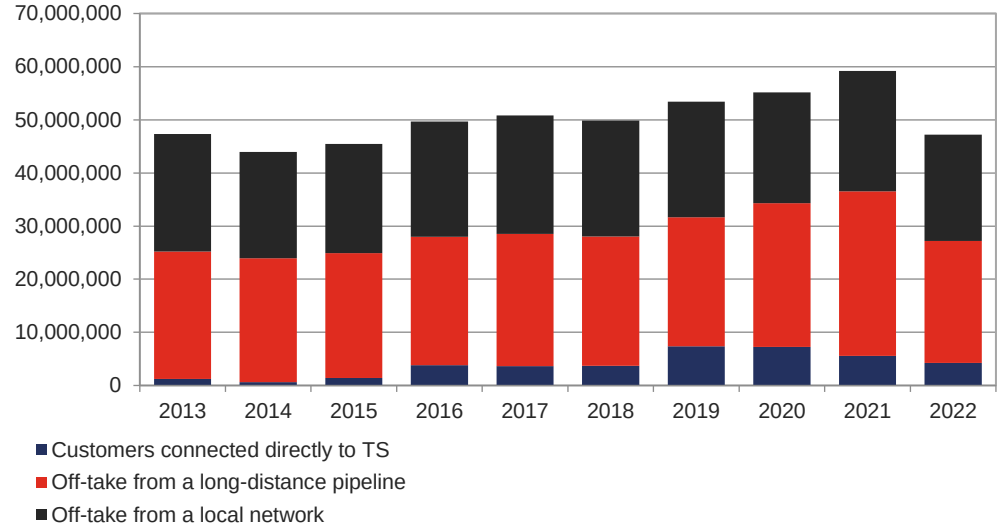
10 TARIFF STATISTICS BY DEMAND CATEGORY AND OFF-TAKE BAND IN THE CZECH REPUBLIC OVER THE LAST 10 YEARS

Categories and bands (MWh)	2013		2014		2015		2016		2017		2018		2019		2020		2021		2022	
	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points	Distributed quantity MWh	Number of supply points
HD_C+MD_C																				
Connected directly to TS	1,235,892	11	614,378	11	1,412,171	11	3,829,948	11	3,649,008	11	3,710,170	11	7,367,738	11	7,260,378	11	5,577,049	11	4,269,054	11
Off-take from a long-distance	23,981,280	921	23,351,837	910	23,514,169	923	24,135,732	939	24,867,155	930	24,322,452	895	24,313,820	895	27,042,808	913	30,939,069	902	22,945,796	904
Off-take from a local network	22,116,954	7,679	20,001,096	7,509	20,545,343	7,478	21,717,848	7,470	22,319,576	7,351	21,797,113	7,402	21,697,909	7,329	20,836,310	7,286	22,679,424	7,156	19,968,513	7,097
LD_C																				
0 - 1.89	11,947	19,235	13,104	20,683	14,143	19,468	12,866	18,174	14,208	16,847	12,934	17,783	13,118	17,838	11,916	18,642	12,970	19,098	12,411	18,856
1.89 - 7.56	95,165	19,086	123,817	24,245	80,477	22,521	111,562	21,439	99,316	19,577	104,050	21,959	107,342	22,228	113,682	22,094	104,014	20,609	104,899	20,607
7.56 - 15	308,503	27,970	335,359	31,427	341,587	30,561	336,799	29,486	318,403	28,815	326,500	31,720	337,168	31,893	344,923	30,801	316,010	28,191	325,054	28,386
15 - 25	524,627	27,469	523,920	27,883	516,141	27,988	560,345	27,669	548,723	28,706	538,426	29,715	547,683	29,467	561,289	28,596	537,758	28,063	535,080	27,922
25 - 45	1,116,784	33,438	1,016,327	32,012	1,040,029	32,517	1,155,922	33,266	1,159,742	34,469	1,091,351	34,256	1,105,621	34,051	1,128,114	33,910	1,150,615	34,240	1,071,365	33,949
45 - 63	822,666	15,695	732,383	14,304	783,072	14,954	840,517	15,482	856,813	16,010	798,087	15,643	806,097	15,550	854,786	16,068	869,847	16,517	821,733	16,387
63 - 630	10,020,161	58,081	7,796,081	49,290	8,648,161	52,058	9,521,333	54,868	10,413,835	57,939	9,030,186	53,861	9,117,291	53,939	9,250,922	55,509	10,329,218	59,274	8,761,869	59,294
DOM																				
0 - 1.89	512,722	1,143,398	509,724	1,165,958	504,999	1,155,516	520,999	1,144,692	487,845	1,119,223	496,775	1,109,486	491,929	1,107,525	459,602	1,101,677	453,461	1,073,533	404,819	1,070,640
1.89 - 7.56	1,394,545	309,743	1,881,753	384,638	1,113,618	355,037	1,670,801	337,980	1,513,725	317,192	1,693,837	354,424	1,702,065	357,658	1,675,437	346,490	1,425,154	304,600	1,740,822	309,169
7.56 - 15	4,771,267	447,691	5,488,567	515,629	5,508,408	489,686	5,475,166	466,013	5,094,859	469,579	5,222,077	498,059	5,245,993	497,758	5,396,279	481,661	4,878,403	441,069	5,516,948	441,179
15 - 25	8,001,273	428,109	7,473,193	391,848	7,768,173	408,277	8,352,134	414,154	8,265,932	429,838	8,018,167	412,843	8,009,845	411,380	8,331,224	428,438	8,455,317	441,022	7,747,098	439,246
25 - 45	9,320,149	288,393	4,991,074	166,489	6,785,665	206,844	7,622,783	244,482	8,721,404	262,975	7,195,291	219,943	7,112,262	218,326	6,901,899	226,486	9,555,218	300,034	5,203,663	295,351
45 - 63	1,436,421	25,595	446,199	12,217	832,468	15,540	916,277	18,869	1,175,114	21,026	966,120	19,357	930,980	19,032	830,758	16,953	1,464,998	29,178	530,555	28,087
63 - 630	566,274	5,930	232,016	3,900	408,833	4,699	428,906	4,920	539,357	5,591	520,412	5,880	490,261	5,745	444,285	5,031	647,982	7,680	357,377	7,226
MO+DOM	38,902,504	2,849,833	31,563,517	2,840,523	34,345,773	2,835,666	37,526,411	2,831,494	39,209,276	2,827,787	36,014,212	2,824,929	36,017,655	2,822,390	36,305,115	2,812,356	40,200,966	2,803,108	33,133,692	2,796,299
TOTAL	**86,236,630**	**2,858,444**	**75,530,828**	**2,848,953**	**79,817,456**	**2,844,078**	**87,209,938**	**2,839,914**	**90,045,015**	**2,836,079**	**85,843,948**	**2,833,237**	**89,397,122**	**2,830,625**	**91,444,612**	**2,820,566**	**99,396,509**	**2,811,177**	**80,317,055**	**2,804,311**

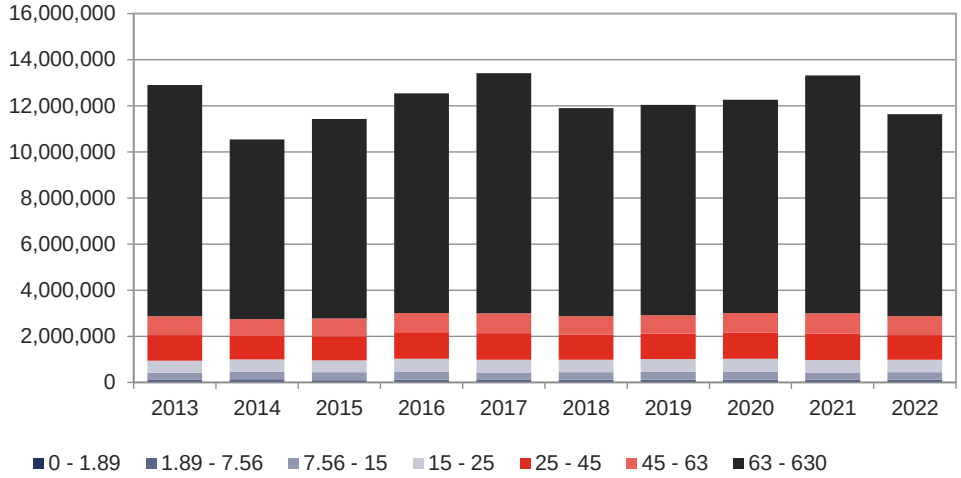
Note:

The tariff statistics in Chapter 10 show the sum of data received from RDS operators and the TSO as part of regulatory reporting under Section 20 of the Energy Act. The item ‘distributed quantity’ does not contain illegal off-take and leakages caused by network disruption billed to third parties. In the gas industry, the tariff bands have been changing over the years.

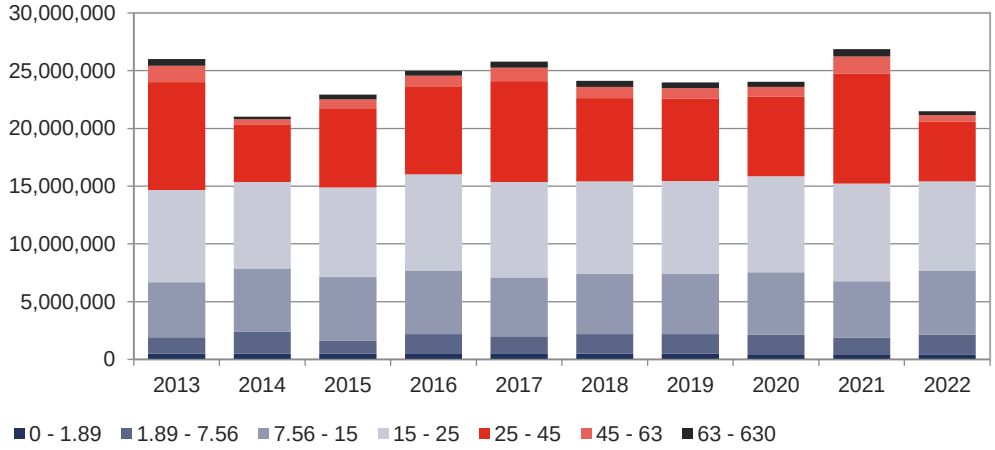
HD_C+MD_C – distributed quantity (MWh)



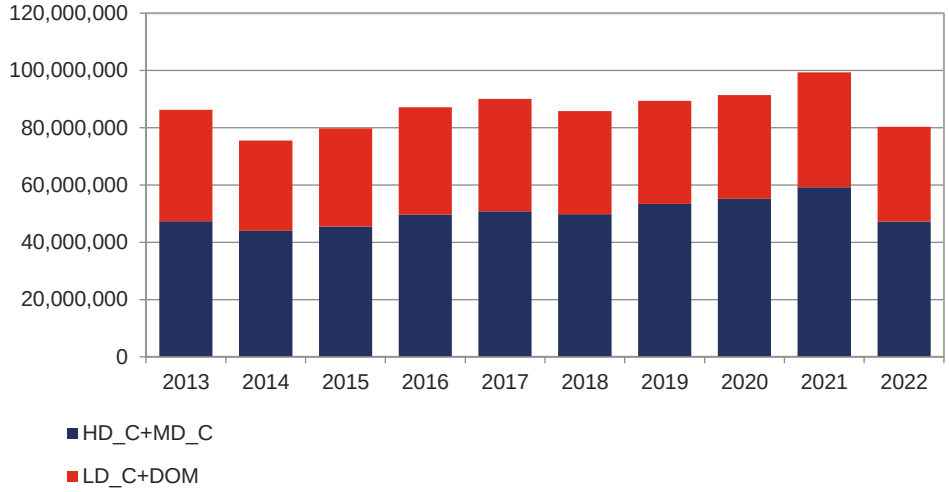
LD_C – distributed quantity (MWh)



DOM – distributed quantity (MWh)

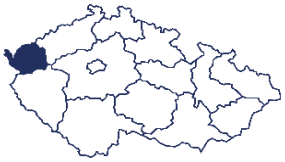
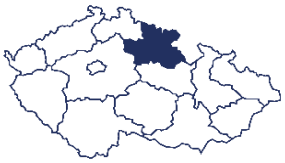
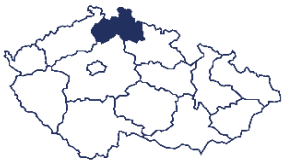
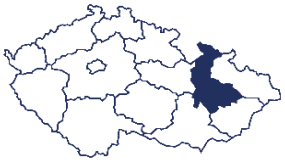


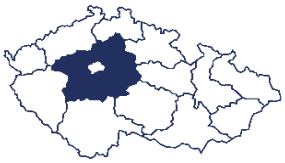
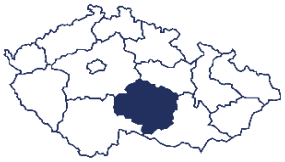
HD_C+MD_C / LD_C+DOM – distributed quantity (MWh)



11 NATURAL GAS CONSUMPTION BY REGION

11.1 Natural gas consumption by Region, customer category, and CNG in the Czech Republic

	Category	Number of customers on 31 Dec 2022	2022				2021		
			th m^3	MWh	Share	Y/y change	th m^3	MWh	Share
Jihočeský Region									
	HD_C	84	97,344	1,050,182	37.8%	-8.4%	106,221	1,134,215	34.8%
	MD_C	295	32,927	354,909	12.8%	-24.4%	43,557	465,088	14.3%
	LD_C	9,545	47,435	510,828	18.4%	-18.9%	58,469	624,312	19.1%
	DOM	93,648	75,369	811,636	29.3%	-19.0%	92,991	992,932	30.4%
	CNG	15	4,167	44,945	1.6%	-5.5%	4,412	47,105	1.4%
	Total	**103,587**	**257,243**	**2,772,500**	**100.0%**	**-15.8%**	**305,650**	**3,263,652**	**100.0%**
Jihomoravský Region									
	HD_C	193	362,650	3,919,823	38.5%	-12.0%	412,183	4,402,131	36.7%
	MD_C	828	97,741	1,055,800	10.4%	-16.4%	116,948	1,249,055	10.4%
	LD_C	23,929	134,472	1,451,683	14.3%	-13.2%	154,955	1,655,031	13.8%
	DOM	352,577	333,678	3,600,887	35.4%	-21.5%	425,245	4,541,883	37.9%
	CNG	28	12,996	140,612	1.4%	-8.0%	14,121	150,792	1.3%
	Total	**377,555**	**941,537**	**10,168,806**	**100.0%**	**-16.2%**	**1,123,454**	**11,998,892**	**100.0%**
Karlovarský Region									
	HD_C	56	95,955	1,037,930	49.6%	-83.4%	577,451	6,166,259	82.7%
	MD_C	164	17,963	194,003	9.3%	-23.6%	23,507	251,039	3.4%
	LD_C	5,850	33,511	361,770	17.3%	-13.1%	38,549	411,726	5.5%
	DOM	76,938	44,149	476,434	22.8%	-21.5%	56,264	600,937	8.1%
	CNG	7	1,849	20,000	1.0%	-10.3%	2,061	22,009	0.3%
	Total	**83,015**	**193,427**	**2,090,137**	**100.0%**	**-72.3%**	**697,832**	**7,451,970**	**100.0%**
Královéhradecký Region									
	HD_C	78	123,820	1,338,589	41.0%	-12.4%	141,319	1,509,193	39.4%
	MD_C	250	30,898	333,692	10.2%	-14.3%	36,042	384,925	10.1%
	LD_C	9,866	53,103	573,275	17.6%	-13.2%	61,211	653,778	17.1%
	DOM	106,221	92,370	996,817	30.6%	-21.5%	117,719	1,257,309	32.9%
	CNG	17	1,660	17,950	0.6%	-18.5%	2,038	21,758	0.6%
	Total	**116,432**	**301,852**	**3,260,323**	**100.0%**	**-15.8%**	**358,329**	**3,826,962**	**100.0%**
Liberecký Region									
	HD_C	92	124,254	1,343,249	42.8%	-14.8%	145,820	1,557,265	41.8%
	MD_C	288	33,498	361,755	11.5%	-16.6%	40,189	429,199	11.5%
	LD_C	8,796	57,751	623,451	19.9%	-13.2%	66,545	710,748	19.1%
	DOM	82,759	72,205	779,200	24.8%	-21.5%	92,019	982,823	26.4%
	CNG	9	2,856	30,909	1.0%	-32.5%	4,228	45,152	1.2%
	Total	**91,944**	**290,564**	**3,138,565**	**100.0%**	**-16.7%**	**348,802**	**3,725,187**	**100.0%**
Moravskoslezský Region									
	HD_C	174	417,934	4,515,253	53.1%	-12.5%	477,854	5,101,002	51.6%
	MD_C	461	50,910	549,842	6.5%	-14.0%	59,227	632,448	6.4%
	LD_C	18,214	92,941	1,003,310	11.8%	-13.2%	107,103	1,143,912	11.6%
	DOM	353,893	201,115	2,170,296	25.6%	-21.5%	256,288	2,737,309	27.7%
	CNG	33	23,737	256,669	3.0%	-4.4%	24,839	265,126	2.7%
	Total	**372,775**	**786,637**	**8,495,371**	**100.0%**	**-15.0%**	**925,311**	**9,879,796**	**100.0%**
Olomoucký Region									
	HD_C	116	199,285	2,154,960	44.6%	-5.0%	209,693	2,239,350	40.6%
	MD_C	354	40,839	441,142	9.1%	-21.7%	52,129	556,739	10.1%
	LD_C	13,133	69,120	746,187	15.5%	-13.2%	79,617	850,362	15.4%
	DOM	170,955	133,148	1,436,870	29.8%	-21.5%	169,687	1,812,357	32.9%
	CNG	15	4,739	51,264	1.1%	-1.8%	4,828	51,558	0.9%
	Total	**184,573**	**447,133**	**4,830,422**	**100.0%**	**-13.3%**	**515,955**	**5,510,366**	**100.0%**

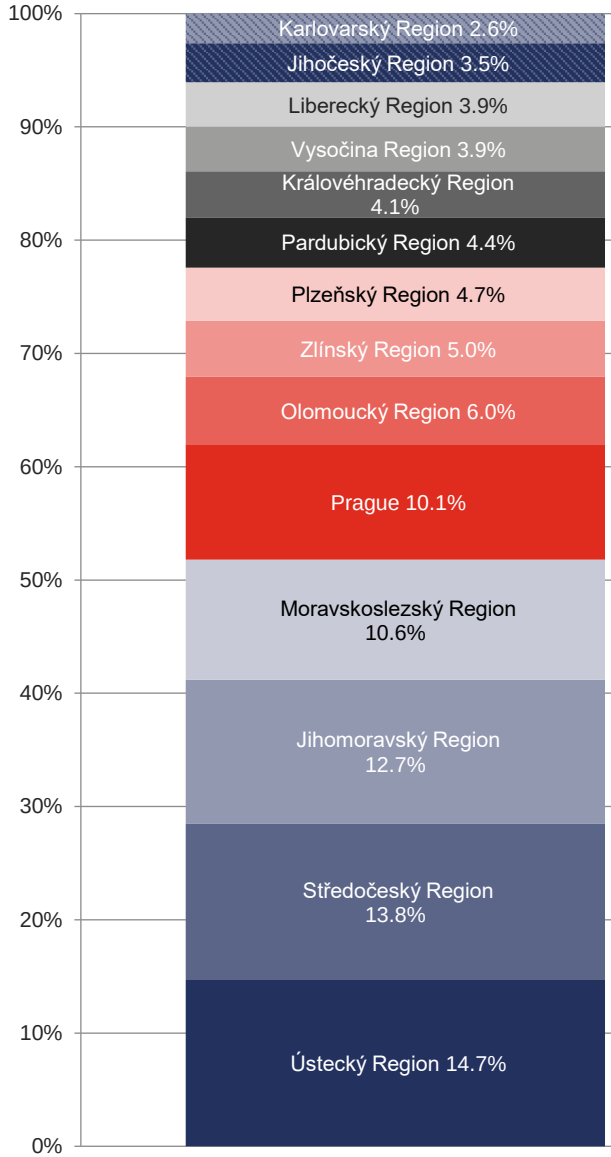
Category		Number of customers on 31 Dec 2022	2022				2021		
			th m^3	MWh	Share	Y/y change	th m^3	MWh	Share
Pardubický Region									
	HD_C	79	129,450	1,399,430	39.3%	-13.0%	148,756	1,588,529	37.5%
	MD_C	278	33,975	367,046	10.3%	-24.4%	44,911	479,645	11.3%
	LD_C	11,250	56,573	610,734	17.2%	-13.2%	65,206	696,448	16.4%
	DOM	123,307	106,146	1,145,474	32.3%	-21.5%	135,274	1,444,813	34.1%
	CNG	15	2,969	32,109	0.9%	2.2%	2,906	31,027	0.7%
	Total	**134,929**	**329,113**	**3,554,793**	**100.0%**	**-17.1%**	**397,053**	**4,240,462**	**100.0%**
Plzeňský Region									
	HD_C	84	148,773	1,608,940	42.7%	-7.2%	160,315	1,711,958	39.8%
	MD_C	332	37,407	403,882	10.7%	-15.1%	44,057	470,532	10.9%
	LD_C	11,799	62,042	669,765	17.8%	-13.2%	71,489	763,549	17.7%
	DOM	145,788	98,120	1,058,866	28.2%	-21.5%	125,046	1,335,572	31.0%
	CNG	14	1,812	19,598	0.5%	-7.0%	1,949	20,807	0.5%
	Total	**158,017**	**348,153**	**3,761,050**	**100.0%**	**-13.6%**	**402,855**	**4,302,417**	**100.0%**
Prague									
	HD_C	138	167,000	1,810,389	22.2%	-13.8%	193,633	2,066,603	21.6%
	MD_C	1,514	144,470	1,566,156	19.2%	-16.3%	172,673	1,842,901	19.3%
	LD_C	37,726	179,387	1,944,689	23.9%	-16.1%	213,836	2,282,228	23.9%
	DOM	368,169	248,650	2,695,543	33.1%	-17.1%	299,948	3,201,278	33.5%
	CNG	38	11,933	129,365	1.6%	-18.6%	14,652	156,373	1.6%
	Total	**407,585**	**751,440**	**8,146,142**	**100.0%**	**-16.0%**	**894,741**	**9,549,384**	**100.0%**
Středočeský Region									
	HD_C	188	586,845	6,347,972	57.2%	-7.1%	631,584	6,744,617	53.2%
	MD_C	635	78,293	845,924	7.6%	-31.0%	113,460	1,211,706	9.6%
	LD_C	19,161	106,018	1,144,517	10.3%	-13.2%	122,146	1,304,608	10.3%
	DOM	237,684	241,485	2,605,997	23.6%	-21.5%	307,754	3,287,005	25.9%
	CNG	35	12,681	137,202	1.2%	1.3%	12,516	133,651	1.1%
	Total	**257,703**	**1,025,323**	**11,081,612**	**100.0%**	**-13.7%**	**1,187,460**	**12,681,587**	**100.0%**
Ústecký Region									
	HD_C	127	861,508	9,342,315	79.1%	-18.9%	1,062,302	11,339,843	79.1%
	MD_C	312	36,785	397,344	3.4%	-18.0%	44,873	479,242	3.3%
	LD_C	12,890	62,483	674,430	5.7%	-13.4%	72,189	770,853	5.4%
	DOM	206,044	124,094	1,339,166	11.4%	-21.5%	158,148	1,689,122	11.8%
	CNG	19	4,902	53,031	0.4%	-6.6%	5,246	56,021	0.4%
	Total	**219,392**	**1,089,773**	**11,806,286**	**100.0%**	**-18.8%**	**1,342,759**	**14,335,080**	**100.0%**
Vysočina Region									
	HD_C	96	105,361	1,138,534	36.2%	-15.3%	124,423	1,328,697	35.3%
	MD_C	319	34,631	373,862	11.9%	-19.1%	42,801	457,101	12.1%
	LD_C	10,764	57,382	619,270	19.7%	-14.0%	66,689	712,262	18.9%
	DOM	108,125	91,560	987,893	31.4%	-21.3%	116,367	1,242,842	33.0%
	CNG	15	2,286	24,707	0.8%	-8.8%	2,507	26,771	0.7%
	Total	**119,319**	**291,219**	**3,144,266**	**100.0%**	**-17.5%**	**352,787**	**3,767,675**	**100.0%**
Zlínský Region									
	HD_C	73	137,395	1,484,699	37.4%	-21.1%	174,141	1,859,611	38.3%
	MD_C	308	32,378	349,631	8.8%	-13.7%	37,529	400,812	8.2%
	LD_C	10,752	64,856	700,146	17.7%	-13.2%	74,730	798,165	16.4%
	DOM	143,314	130,227	1,405,350	35.4%	-21.5%	165,964	1,772,600	36.5%
	CNG	11	2,503	27,086	0.7%	-7.8%	2,714	28,981	0.6%
	Total	**154,458**	**367,359**	**3,966,911**	**100.0%**	**-19.3%**	**455,078**	**4,860,170**	**100.0%**

11.2 Natural gas consumption and customer numbers by Region in the Czech Republic

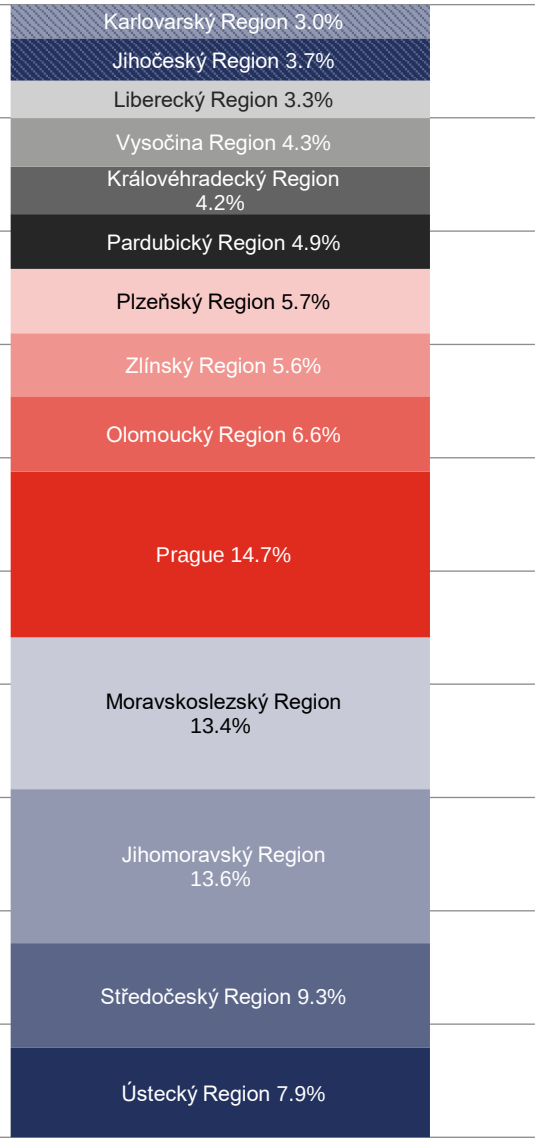
Regions (ordered by consumption size)	Gas consumption in 2022 th m³	MWh
Ústecký Region	1,089,773	11,806,286
Středočeský Region	1,025,323	11,081,612
Jihomoravský Region	941,537	10,168,806
Moravskoslezský Region	786,637	8,495,371
Prague	751,440	8,146,142
Olomoucký Region	447,133	4,830,422
Zlínský Region	367,359	3,966,911
Plzeňský Region	348,153	3,761,050
Pardubický Region	329,113	3,554,793
Královéhradecký Region	301,852	3,260,323
Vysočina Region	291,219	3,144,266
Liberecký Region	290,564	3,138,565
Jihočeský Region	257,243	2,772,500
Karlovarský Region	193,427	2,090,137
Total	7,420,771	80,217,184

Regions (ordered by customer base)	Number of customers on 31 Dec 2022
Prague	407,585
Jihomoravský Region	377,555
Moravskoslezský Region	372,775
Středočeský Region	257,703
Ústecký Region	219,392
Olomoucký Region	184,573
Plzeňský Region	158,017
Zlínský Region	154,458
Pardubický Region	134,929
Vysočina Region	119,319
Královéhradecký Region	116,432
Jihočeský Region	103,587
Liberecký Region	91,944
Karlovarský Region	83,015
Total	2,781,284

Regions' shares of the total consumption of customers in the CR



Regions' shares of the total number of customers in the CR

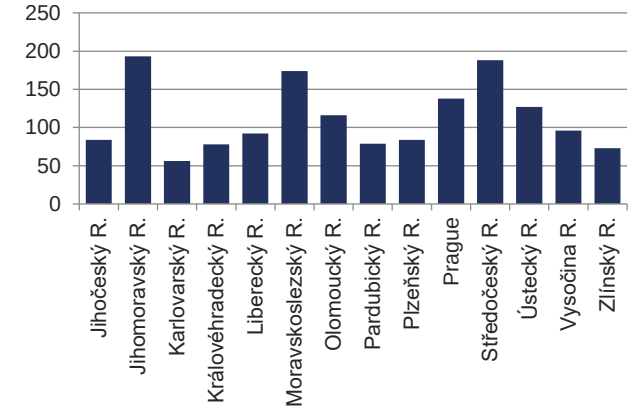


Note: The Ústecký and Karlovarský Regions include PPE, which have a major impact on the whole Region's gas consumption. When gas supply to the PPE is deducted, gas consumption is 713,048,000 m³, i.e. 7,708,540 MWh in the Ústecký Region. When gas supply to the PPE is deducted, gas consumption is 190,612,000 m³, i.e. 2,059,475 MWh in the Karlovarský Region.

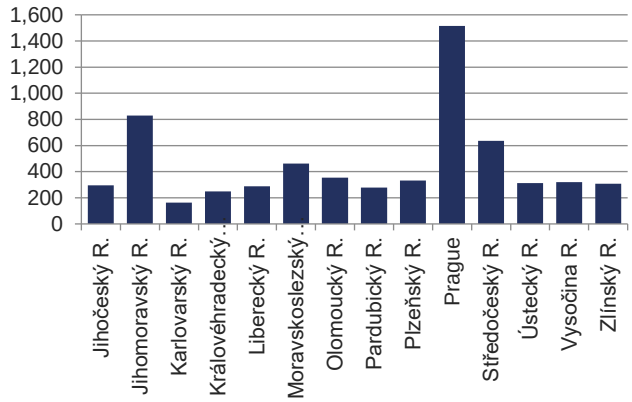
11.3 Numbers of customers by Region (R.), customer category, and CNG in the Czech Republic

Customers	Jihočeský R.	Jihomoravský R.	Karlovarský R.	Královéhradecký R.	Liberecký R.	Moravskoslezský R.	Olomoucký R.	Pardubický R.	Plzeňský R.	Prague	Středočeský R.	Ústecký R.	Vysočina R.	Zlínský R.	Total
HD_C	84	193	56	78	92	174	116	79	84	138	188	127	96	73	**1,578**
MD_C	295	828	164	250	288	461	354	278	332	1,514	635	312	319	308	**6,338**
LD_C	9,545	23,929	5,850	9,866	8,796	18,214	13,133	11,250	11,799	37,726	19,161	12,890	10,764	10,752	**203,675**
DOM	93,648	352,577	76,938	106,221	82,759	353,893	170,955	123,307	145,788	368,169	237,684	206,044	108,125	143,314	**2,569,422**
CNG	15	28	7	17	9	33	15	15	14	38	35	19	15	11	**271**
Total	**103,587**	**377,555**	**83,015**	**116,432**	**91,944**	**372,775**	**184,573**	**134,929**	**158,017**	**407,585**	**257,703**	**219,392**	**119,319**	**154,458**	**2,781,284**

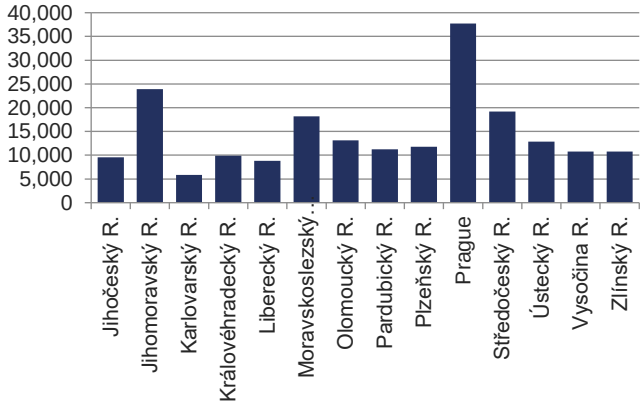
High demand customers



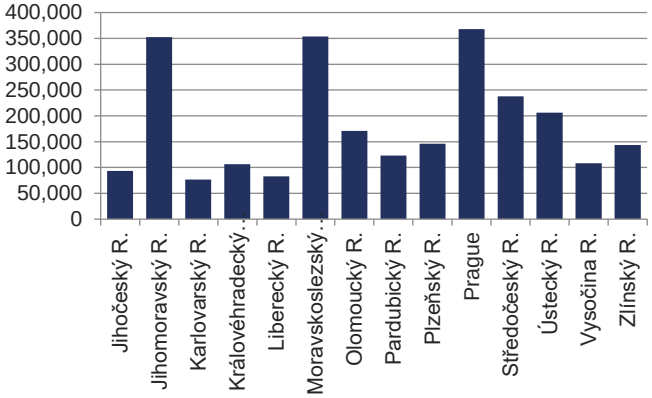
Medium demand customers



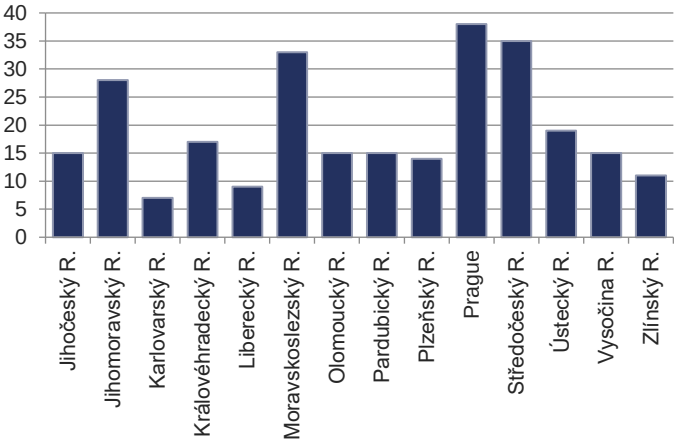
Low demand customers



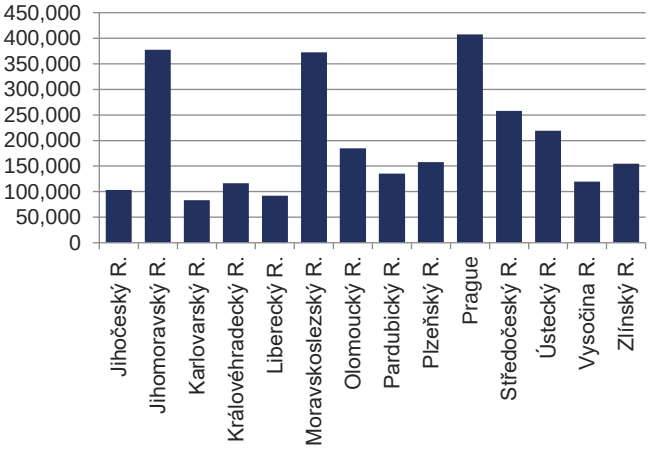
Households



CNG stations



Total



11.4 Natural gas consumption by Region (R.) in 2022 and over the last 10 years

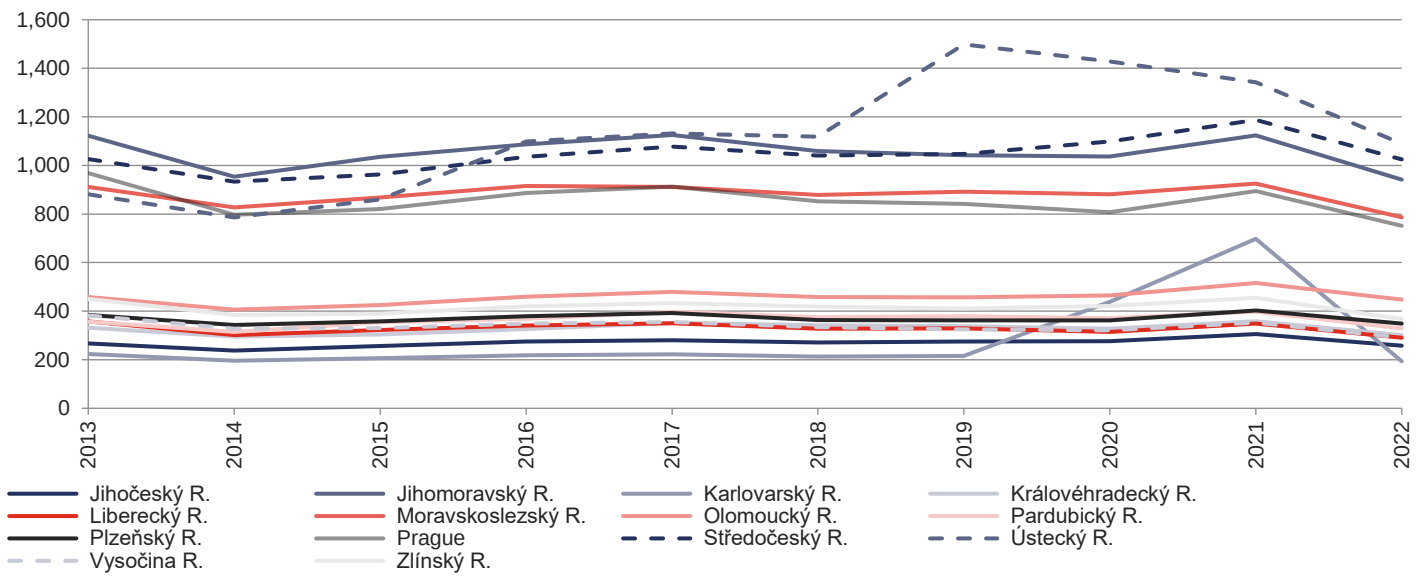
Natural gas consumption by Region in 2022 (million m^3)

Period	Jihočeský R.	Jihomoravský R.	Karlovarský R.	Královéhradecký R.	Liberecký R.	Moravskoslezský R.	Olomoucký R.	Pardubický R.	Plzeňský R.	Prague	Středočeský R.	Ústecký R.	Vysočina R.	Zlínský R.	Total R.	OG+VS+PKS	Total
January	39	155	28	48	45	113	68	50	52	128	145	133	47	59	1,111	24	**1,134**
February	32	122	23	38	37	93	53	42	42	101	113	89	37	47	868	22	**891**
March	32	123	23	37	37	93	56	41	43	98	114	122	37	48	903	19	**923**
April	25	89	17	28	27	74	42	32	33	73	95	66	28	35	665	7	**671**
May	13	37	10	14	13	46	22	17	18	27	60	75	13	18	384	5	**389**
June	10	29	9	12	11	39	18	14	15	18	51	84	10	14	335	2	**336**
July	9	27	8	10	9	34	17	13	13	18	47	62	9	12	288	1	**289**
August	9	26	8	10	10	31	17	12	14	18	47	84	10	13	310	1	**311**
September	13	41	10	15	14	42	22	17	18	29	54	77	13	17	381	3	**383**
October	17	65	13	20	19	49	29	21	23	46	73	84	18	22	498	10	**508**
November	26	98	19	30	30	74	46	32	34	82	101	94	29	35	729	14	**743**
December	33	129	25	39	39	97	58	41	43	114	124	120	39	48	949	17	**966**
1Q	103	400	73	123	119	300	177	133	137	327	373	344	121	153	2,882	65	**2,947**
2Q	48	156	37	54	52	159	83	62	66	118	206	226	52	67	1,384	13	**1,397**
3Q	31	94	26	35	33	108	55	41	45	64	149	223	33	42	979	4	**983**
4Q	76	292	57	89	87	219	133	93	100	242	298	297	86	105	2,176	41	**2,217**
1H	150	555	110	178	171	459	260	195	203	445	578	570	172	220	4,266	78	**4,344**
2H	107	386	84	124	120	328	188	134	145	306	447	520	119	147	3,155	45	**3,200**
Year	257	942	193	302	291	787	447	329	348	751	1,025	1,090	291	367	7,421	123	**7,544**

Natural gas consumption by Region over the last 10 years (million m^3)

2013	267	1,123	224	332	358	911	458	357	385	968	1,027	881	382	450	8,124	153	**8,277**
2014	238	954	196	295	302	827	406	314	343	797	933	786	328	384	7,103	177	**7,280**
2015	256	1,035	207	304	322	868	425	354	358	820	963	860	330	389	7,492	116	**7,608**
2016	275	1,087	219	326	340	916	459	369	380	886	1,035	1,098	349	420	8,159	96	**8,255**
2017	280	1,125	222	351	350	911	480	398	393	912	1,078	1,132	355	433	8,420	108	**8,527**
2018	272	1,059	213	342	327	878	458	375	364	852	1,040	1,118	335	418	8,051	132	**8,183**
2019	275	1,042	215	339	330	892	457	379	362	841	1,047	1,498	325	410	8,413	151	**8,565**
2020	277	1,037	439	328	315	881	465	371	362	807	1,098	1,428	322	421	8,552	142	**8,694**
2021	306	1,123	698	358	349	925	516	397	403	895	1,187	1,343	353	455	9,308	126	**9,434**
2022	257	942	193	302	291	787	447	329	348	751	1,025	1,090	291	367	7,421	123	**7,544**

Natural gas consumption in each of the Regions over the last 10 years (million m^3)



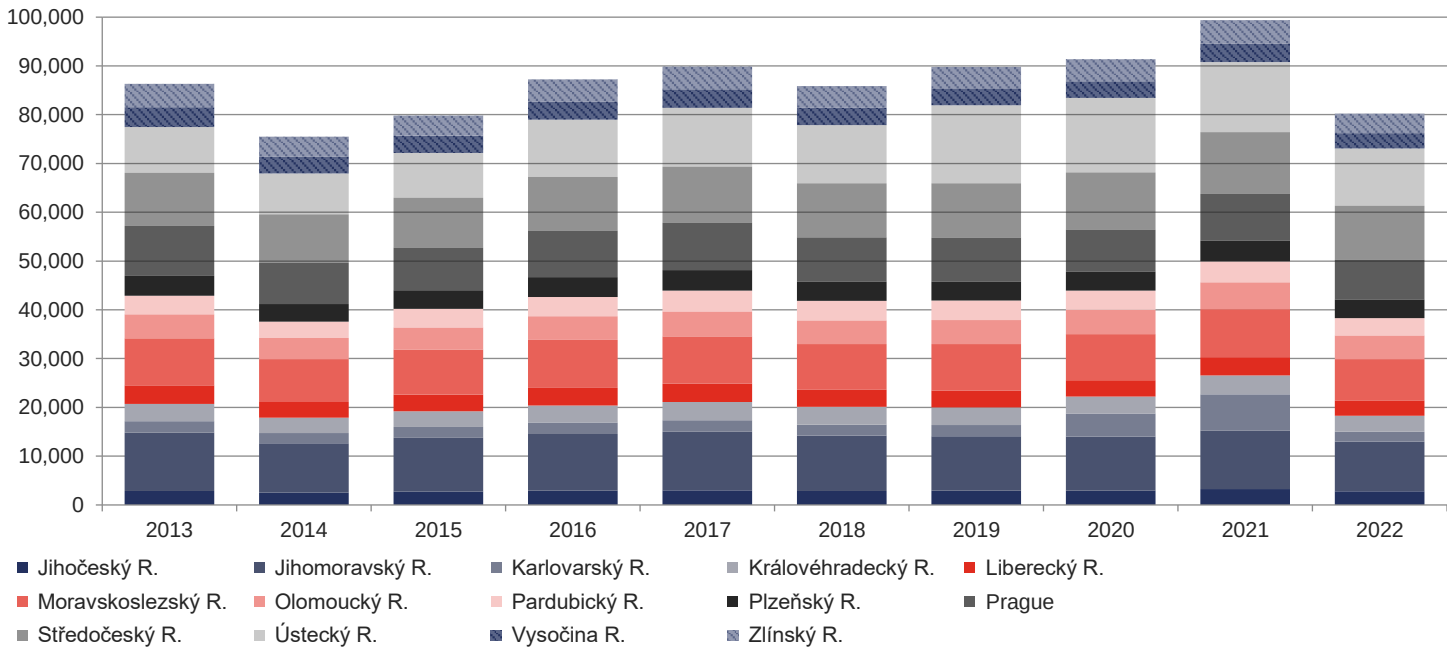
Natural gas consumption by Region in 2022 (GWh)

Period	Jihočeský R.	Jihomoravský R.	Karlovarský R.	Královéhradecký R.	Liberecký R.	Moravskoslezský R.	Olomoucký R.	Pardubický R.	Plzeňský R.	Prague	Středočeský R.	Ústecký R.	Vysočina R.	Zlínský R.	Total R.	OG+VS+PKS	Total
January	416	1,656	296	516	485	1,211	729	534	556	1,368	1,553	1,417	500	630	11,867	251	**12,119**
February	339	1,302	245	404	395	995	568	446	454	1,081	1,210	957	396	498	9,290	237	**9,527**
March	341	1,318	242	401	393	1,003	596	441	459	1,059	1,227	1,313	397	512	9,702	207	**9,909**
April	263	963	188	305	292	800	458	340	356	793	1,021	708	301	377	7,164	74	**7,238**
May	138	401	109	155	140	494	238	178	193	287	647	812	141	197	4,130	50	**4,180**
June	109	316	99	126	124	422	195	149	162	202	549	918	113	148	3,631	18	**3,650**
July	97	288	88	109	100	375	180	136	141	197	512	673	100	136	3,131	8	**3,139**
August	99	287	92	112	104	341	180	132	149	191	515	914	110	142	3,370	8	**3,378**
September	145	446	107	160	153	462	235	181	196	318	592	842	146	182	4,165	30	**4,195**
October	184	713	141	215	205	534	320	230	254	500	802	921	201	238	5,459	105	**5,564**
November	282	1,072	211	331	326	804	498	345	369	899	1,104	1,027	312	384	7,965	156	**8,121**
December	361	1,406	272	425	421	1,055	632	442	471	1,252	1,349	1,306	427	524	10,342	186	**10,528**
1Q	1,096	4,277	784	1,321	1,273	3,209	1,894	1,421	1,469	3,508	3,989	3,687	1,293	1,640	30,860	695	**31,555**
2Q	509	1,680	395	587	557	1,716	891	667	712	1,282	2,217	2,438	555	721	14,925	142	**15,067**
3Q	341	1,021	287	381	358	1,178	596	449	486	706	1,619	2,429	356	460	10,666	45	**10,712**
4Q	827	3,192	624	972	952	2,393	1,450	1,018	1,094	2,650	3,256	3,253	940	1,146	23,766	447	**24,212**
1H	1,605	5,956	1,179	1,907	1,829	4,924	2,785	2,088	2,182	4,790	6,206	6,124	1,848	2,361	45,785	837	**46,622**
2H	1,168	4,213	911	1,353	1,309	3,571	2,046	1,467	1,580	3,356	4,875	5,682	1,296	1,606	34,432	492	**34,924**
Year	2,773	10,169	2,090	3,260	3,139	8,495	4,830	3,555	3,761	8,146	11,082	11,806	3,144	3,967	80,217	1,330	**81,547**

Natural gas consumption by Region over the last 10 years (GWh)

2013	2,839	11,957	2,373	3,526	3,796	9,701	4,879	3,792	4,082	10,276	10,897	9,361	4,071	4,796	86,346	1,622	**87,969**
2014	2,525	10,141	2,083	3,141	3,210	8,793	4,322	3,345	3,649	8,452	9,926	8,357	3,490	4,084	75,518	1,891	**77,409**
2015	2,730	11,029	2,204	3,237	3,430	9,256	4,530	3,769	3,820	8,722	10,268	9,171	3,517	4,149	79,831	1,237	**81,068**
2016	2,937	11,621	2,337	3,484	3,638	9,791	4,906	3,944	4,060	9,463	11,073	11,739	3,730	4,492	87,216	1,028	**88,243**
2017	2,988	12,010	2,371	3,747	3,731	9,721	5,122	4,246	4,190	9,721	11,503	12,078	3,793	4,622	89,844	1,152	**90,996**
2018	2,897	11,298	2,275	3,651	3,492	9,368	4,884	4,001	3,884	9,077	11,103	11,932	3,570	4,465	85,896	1,410	**87,306**
2019	2,939	11,126	2,296	3,614	3,517	9,516	4,883	4,045	3,868	8,968	11,178	15,979	3,472	4,380	89,782	1,615	**91,398**
2020	2,958	11,076	4,691	3,508	3,363	9,414	4,970	3,965	3,872	8,615	11,736	15,266	3,437	4,504	91,374	1,520	**92,894**
2021	3,264	11,999	7,452	3,827	3,725	9,880	5,510	4,240	4,302	9,549	12,682	14,335	3,768	4,860	99,394	1,344	**100,737**
2022	2,773	10,169	2,090	3,260	3,139	8,495	4,830	3,555	3,761	8,146	11,082	11,806	3,144	3,967	80,217	1,330	**81,547**

Total natural gas consumption in the CR broken down by Region over the last 10 years (GWh)



11.5 Air temperature by Region (R.) in 2022 and over the last 10 years

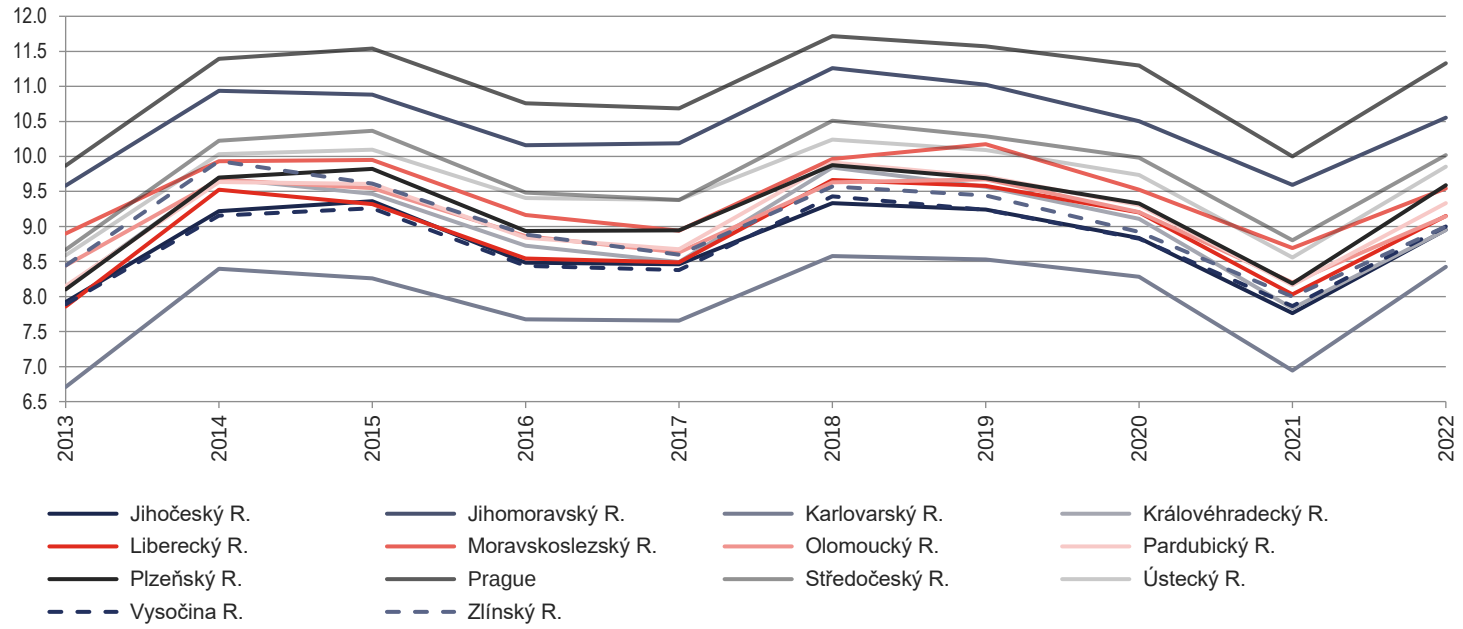
Air temperature by Region in 2022 (°C)

Period	Jihočeský R.	Jihomoravský R.	Karlovarský R.	Královéhradecký R.	Liberecký R.	Moravskoslezský R.	Olomoucký R.	Pardubický R.	Plzeňský R.	Prague	Středočeský R.	Ústecký R.	Vysočina R.	Zlínský R.	Total
January	0.8	1.5	0.3	0.1	0.7	0.7	0.3	0.6	1.3	2.8	1.7	2.0	0.2	-0.3	**0.8**
February	2.8	4.2	1.8	2.7	3.0	3.3	2.9	3.2	3.3	5.2	4.1	3.8	2.4	2.4	**3.1**
March	2.8	4.1	2.4	2.9	3.4	2.9	3.0	3.1	3.2	5.5	3.9	4.0	3.0	2.5	**3.3**
April	6.0	8.3	5.4	6.1	6.1	6.9	6.4	6.6	6.8	8.4	7.1	7.0	6.2	6.0	**6.6**
May	13.9	15.9	13.4	13.8	14.0	14.5	14.1	14.3	14.7	16.8	15.2	15.0	14.1	13.9	**14.5**
June	18.3	20.4	18.0	18.5	18.5	18.9	18.4	18.8	19.2	21.2	19.5	19.4	18.6	18.6	**19.0**
July	18.2	20.8	17.8	18.2	18.0	19.0	18.6	18.4	19.3	20.8	19.2	19.2	18.4	18.8	**18.9**
August	18.2	20.9	18.0	19.3	18.9	19.6	19.3	19.3	19.3	21.3	19.7	19.9	19.0	19.3	**19.4**
September	11.7	13.4	10.8	11.7	11.8	12.5	12.0	12.1	12.1	14.1	12.8	12.7	11.7	11.8	**12.2**
October	10.7	11.2	9.9	10.4	10.6	11.1	10.7	11.0	10.8	12.2	11.1	10.4	10.4	10.5	**10.8**
November	3.7	5.1	3.6	3.7	4.1	4.8	4.1	4.4	4.1	5.5	4.6	4.0	4.1	4.4	**4.2**
December	0.3	0.8	-0.2	0.1	0.7	0.5	0.0	0.3	0.8	2.3	1.2	0.8	-0.2	0.1	**0.4**
1Q	2.1	3.2	1.5	1.9	2.4	2.3	2.0	2.3	2.6	4.5	3.2	3.3	1.9	1.5	**2.4**
2Q	12.7	14.9	12.3	12.8	12.9	13.4	12.9	13.2	13.6	15.5	13.9	13.8	13.0	12.8	**13.4**
3Q	16.0	18.4	15.5	16.4	16.2	17.0	16.6	16.6	16.9	18.8	17.2	17.3	16.4	16.6	**16.8**
4Q	4.9	5.7	4.4	4.7	5.1	5.5	4.9	5.2	5.3	6.6	5.6	5.1	4.8	5.0	**5.2**
1H	7.4	9.1	6.9	7.3	7.6	7.9	7.5	7.8	8.1	10.0	8.6	8.5	7.4	7.2	**7.9**
2H	10.5	12.0	10.0	10.5	10.7	11.2	10.8	10.9	11.1	12.7	11.4	11.2	10.6	10.8	**11.0**
Year	9.0	10.6	8.4	8.9	9.2	9.5	9.1	9.3	9.6	11.3	10.0	9.9	9.0	9.0	**9.4**

Air temperature by Region over the last 10 years (°C)

2013	7.9	9.6	6.7	8.1	7.9	8.9	8.4	8.2	8.1	9.9	8.7	8.6	7.9	8.4	**8.3**
2014	9.2	10.9	8.4	9.7	9.5	9.9	9.7	9.6	9.7	11.4	10.2	10.0	9.2	9.9	**9.7**
2015	9.4	10.9	8.3	9.5	9.3	9.9	9.5	9.6	9.8	11.5	10.4	10.1	9.3	9.6	**9.8**
2016	8.5	10.2	7.7	8.7	8.5	9.2	8.9	8.8	8.9	10.8	9.5	9.4	8.4	8.9	**9.0**
2017	8.5	10.2	7.7	8.5	8.5	8.9	8.6	8.7	8.9	10.7	9.4	9.4	8.4	8.6	**8.8**
2018	9.3	11.3	8.6	9.8	9.7	10.0	9.6	9.9	9.9	11.7	10.5	10.2	9.4	9.6	**9.9**
2019	9.2	11.0	8.5	9.6	9.6	10.2	9.7	9.7	9.7	11.6	10.3	10.1	9.2	9.4	**9.8**
2020	8.8	10.5	8.3	9.1	9.2	9.5	9.2	9.3	9.3	11.3	10.0	9.7	8.8	8.9	**9.3**
2021	7.8	9.6	6.9	7.8	8.0	8.7	8.2	8.2	8.2	10.0	8.8	8.6	7.9	8.0	**8.3**
2022	9.0	10.6	8.4	8.9	9.2	9.5	9.1	9.3	9.6	11.3	10.0	9.9	9.0	9.0	**9.4**

Air temperature by Region over the last 10 years (°C)



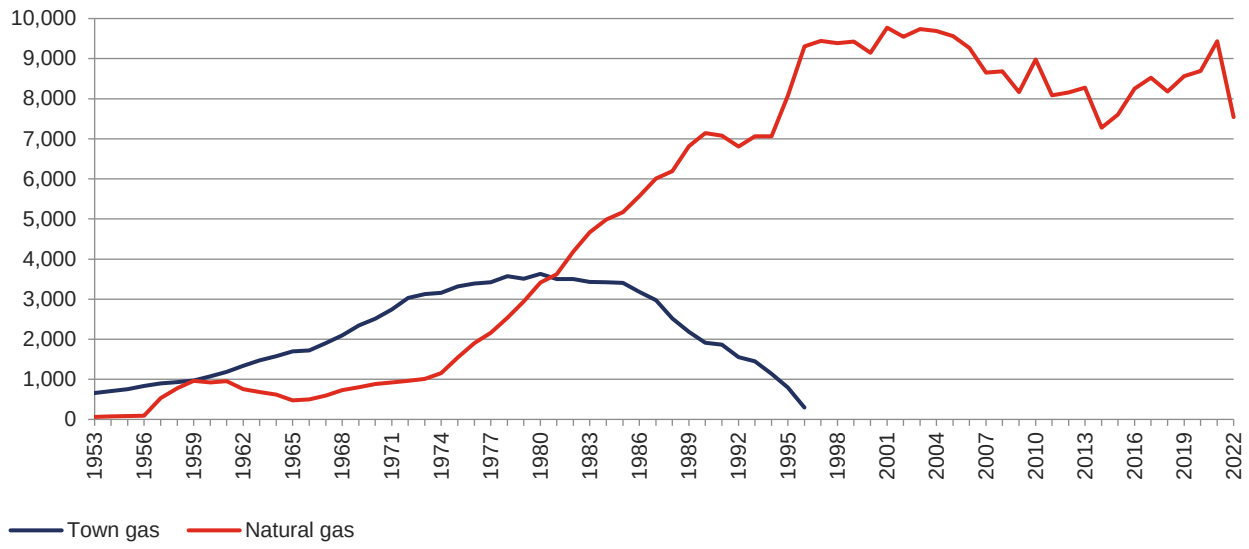
12 HISTORICAL DATA

12.1 Natural gas and town gas consumption in the Czech Republic over the last 70 years

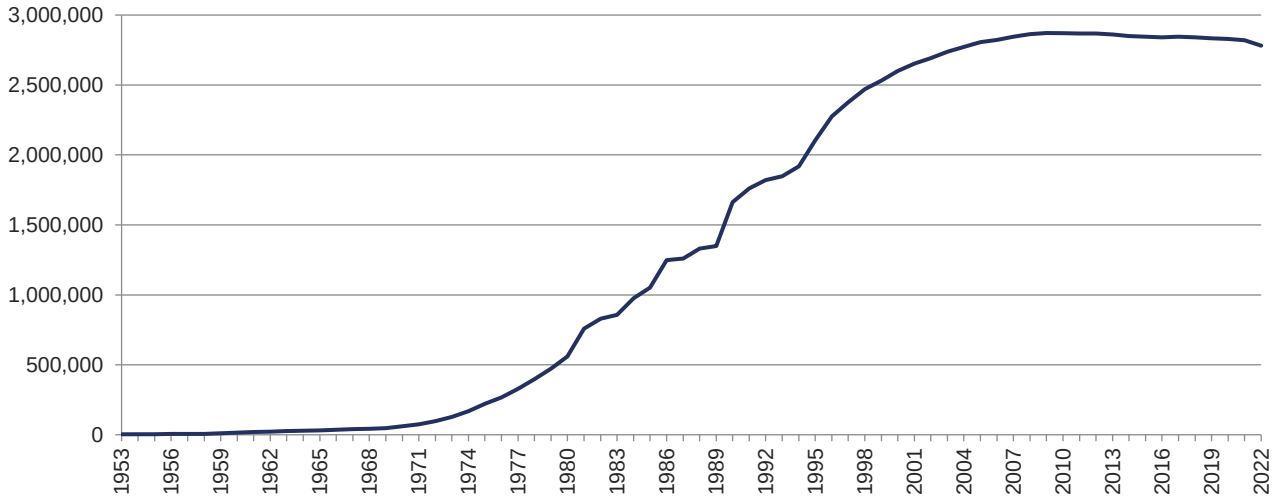
Year	Actual annual consumption					Maximum daily consumption	
	Town gas		Natural gas			Natural gas	
	million m³	GWh	million m³	GWh	Number of customers	million m³	GWh
1953	657.2	3,134.7	62.6	657.2	3,426	2.2	23.1
1954	707.4	3,374.2	75.9	797.5	3,745	3.6	38.0
1955	753.9	3,596.2	84.4	885.8	3,805	4.9	51.8
1956	834.9	3,982.6	88.6	930.6	5,256	6.0	63.5
1957	895.7	4,272.7	533.3	5,599.7	5,987	7.1	73.6
1958	927.6	4,424.7	780.6	8,196.2	7,105	8.3	87.4
1959	972.1	4,636.8	963.3	10,114.8	10,287	8.1	85.3
1960	1,077.0	5,137.2	919.9	9,658.5	14,892	7.2	75.8
1961	1,183.3	5,644.1	952.4	10,000.1	19,021	5.7	60.1
1962	1,334.8	6,367.1	750.6	7,881.1	22,853	3.9	41.1
1963	1,473.6	7,029.2	683.6	7,177.6	26,283	5.2	54.9
1964	1,580.3	7,538.2	614.9	6,456.7	28,424	4.0	41.7
1965	1,698.6	8,102.2	475.8	4,995.7	31,901	5.2	54.8
1966	1,724.5	8,226.0	500.9	5,259.7	36,123	4.4	46.3
1967	1,908.1	9,101.6	597.6	6,275.3	39,717	5.8	60.7
1968	2,095.5	9,995.3	733.1	7,697.1	43,308	6.5	68.4
1969	2,347.2	11,196.0	803.0	8,431.3	48,351	7.4	77.5
1970	2,510.2	11,973.6	880.8	9,248.8	60,818	6.9	72.8
1971	2,745.9	13,097.9	924.8	9,710.7	74,529	8.3	88.0
1972	3,031.0	14,458.0	960.6	10,086.8	96,718	9.4	99.0
1973	3,129.3	14,926.9	1,008.6	10,590.3	127,621	11.4	120.1
1974	3,159.0	15,068.5	1,156.2	12,139.9	169,462	13.0	137.4
1975	3,321.4	15,843.0	1,546.6	16,239.6	221,695	15.2	160.4
1976	3,392.2	16,180.7	1,906.0	20,013.1	267,219	19.1	201.5
1977	3,420.7	16,316.5	2,158.2	22,660.9	327,903	20.9	220.5
1978	3,576.2	17,058.6	2,535.0	26,617.0	398,080	24.9	262.7
1979	3,505.9	16,723.4	2,940.1	30,871.5	472,402	22.2	234.2
1980	3,630.2	17,316.0	3,413.5	35,840.2	560,875	25.4	268.0
1981	3,499.5	16,692.7	3,621.6	38,026.4	758,964	27.1	284.7
1982	3,505.2	16,719.9	4,190.9	44,004.2	829,673	28.3	297.7
1983	3,431.7	16,369.3	4,663.7	48,969.0	857,475	23.1	243.1
1984	3,421.8	16,322.0	4,985.6	52,348.9	975,391	26.5	279.4
1985	3,401.8	16,226.7	5,167.1	54,254.7	1,052,604	32.7	344.8
1986	3,181.1	15,173.8	5,569.1	58,475.8	1,249,146	24.7	261.0
1987	2,973.2	14,182.1	6,010.3	63,107.8	1,259,133	29.7	313.4
1988	2,518.6	12,013.9	6,192.8	65,024.7	1,330,907	24.4	257.3
1989	2,185.9	10,426.6	6,813.6	71,542.3	1,349,258	30.3	319.5
1990	1,909.6	9,108.7	7,138.5	74,953.9	1,661,824	30.1	317.3
1991	1,866.4	8,902.6	7,079.9	74,339.3	1,761,240	31.5	332.2
1992	1,551.8	7,402.3	6,809.9	71,504.4	1,820,752	29.1	307.1
1993	1,450.7	6,920.1	7,064.1	74,172.6	1,848,471	42.6	448.9
1994	1,136.1	5,419.1	7,058.8	74,117.0	1,918,896	42.1	444.2
1995	791.0	3,773.1	8,074.5	84,782.3	2,103,695	43.9	463.1
1996	* 296.3	1,413.4	9,306.4	97,714.4	2,276,683	58.5	617.3
1997			9,441.0	99,131.4	2,376,002	59.3	622.2
1998			9,389.6	98,590.8	2,469,587	57.1	599.3
1999			9,426.9	98,982.3	2,531,808	56.1	589.4
2000			9,147.9	96,052.9	2,601,210	59.0	620.0
2001			9,772.6	102,611.7	2,654,204	62.4	654.8
2002			9,542.1	100,193.2	2,692,523	62.3	654.3
2003			9,739.3	102,600.1	2,737,730	63.4	667.4
2004			9,692.3	102,236.6	2,771,690	61.7	650.5
2005			9,562.8	100,829.6	2,805,705	56.9	599.9
2006			9,269.4	97,805.9	2,823,102	67.6	713.3
2007			8,652.6	91,290.2	2,845,429	49.9	526.5
2008			8,685.2	91,673.1	2,864,576	50.8	536.2
2009			8,161.3	86,216.2	2,871,547	57.2	604.3
2010			8,979.2	95,138.4	2,870,634	57.3	607.1
2011			8,085.8	85,645.6	2,869,023	52.8	559.3
2012			8,158.2	86,325.8	2,868,083	61.6	651.5
2013			8,277.1	87,968.6	2,860,345	47.3	501.0
2014			7,280.4	77,409.1	2,849,162	45.0	478.9
2015			7,607.6	81,067.9	2,844,334	42.6	453.1
2016			8,255.1	88,243.2	2,840,473	49.3	525.6
2017			8,527.5	90,996.2	2,844,257	54.9	585.9
2018			8,182.8	87,306.4	2,840,619	55.9	596.2
2019			8,564.6	91,397.6	2,834,509	50.8	543.1
2020			8,694.2	92,894.4	2,829,132	47.3	505.6
2021			9,433.7	100,737.5	2,820,013	55.1	588.4
2022			7,543.8	81,546.7	2,781,284	44.0	470.5

* The last supply of town gas in the CR was discontinued in June 1996.

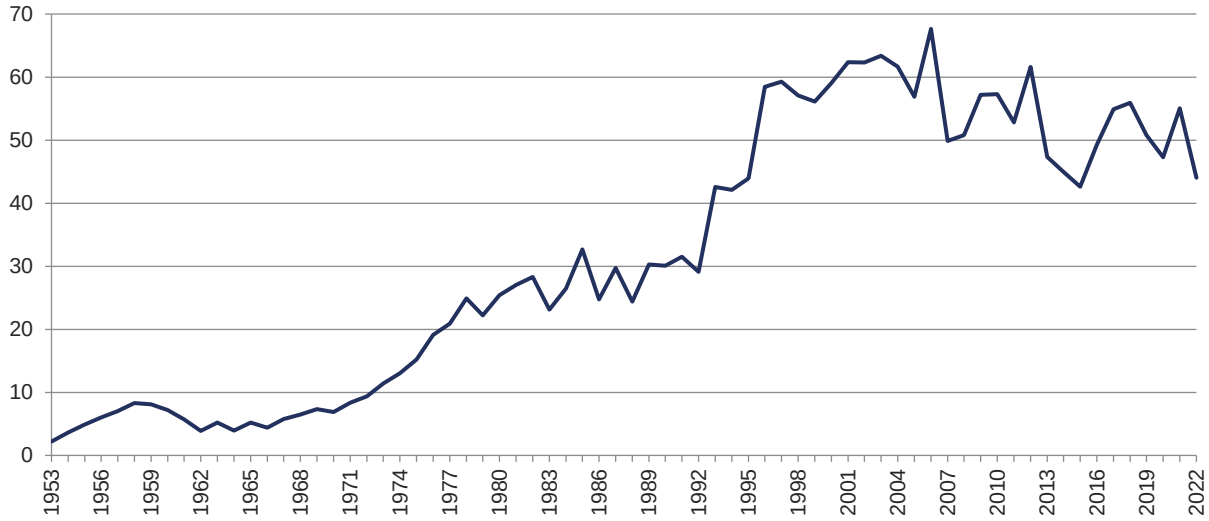
Actual annual consumption (million m^3)



Number of customers



Maximum daily consumption (million m^3)



12.2 Natural gas consumption by demand category in the Czech Republic over the last 70 years

	HD_C		MD_C		HD_C+MD_C		LD_C		DOM		LD_C+DOM		OG		Total	
Year	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh
1953	60.8	638.5	0.0	0.0	60.8	638.5	0.3	3.1	0.7	7.5	1.0	10.6	0.8	8.2	**62.6**	**657.2**
1954	73.2	768.2	0.0	0.0	73.2	768.2	0.6	6.0	0.7	7.9	1.3	13.8	1.5	15.5	**75.9**	**797.5**
1955	77.5	813.6	0.0	0.3	77.5	813.9	0.6	6.3	0.7	7.4	1.3	13.7	5.5	58.2	**84.4**	**885.8**
1956	86.0	903.3	0.0	0.0	86.0	903.3	1.0	10.0	1.3	13.5	2.2	23.4	0.4	3.8	**88.6**	**930.6**
1957	542.1	5,692.1	0.7	6.9	542.8	5,699.0	0.9	9.9	1.3	14.2	2.3	24.1	-11.8	-123.4	**533.3**	**5,599.7**
1958	784.4	8,236.1	0.3	3.0	784.7	8,239.1	1.4	14.6	1.6	16.9	3.0	31.5	-7.1	-74.3	**780.6**	**8,196.2**
1959	970.0	10,185.2	0.2	2.5	970.3	10,187.7	1.8	19.2	2.6	27.3	4.4	46.5	-11.4	-119.4	**963.3**	**10,114.8**
1960	925.5	9,717.3	0.2	2.0	925.6	9,719.3	2.9	30.5	3.9	41.4	6.8	71.9	-12.6	-132.7	**919.9**	**9,658.5**
1961	910.5	9,560.8	0.2	2.4	910.8	9,563.2	4.7	49.6	6.2	64.9	10.9	114.5	30.7	322.4	**952.4**	**10,000.1**
1962	705.9	7,411.6	0.1	1.4	706.0	7,413.0	5.8	60.4	9.0	94.2	14.7	154.6	29.9	313.5	**750.6**	**7,881.1**
1963	627.0	6,584.0	0.9	9.7	628.0	6,593.7	6.7	69.9	11.1	116.5	17.8	186.4	37.9	397.5	**683.6**	**7,177.6**
1964	556.4	5,842.5	1.2	12.8	557.6	5,855.3	6.9	72.4	12.4	130.1	19.3	202.5	38.0	398.9	**614.9**	**6,456.7**
1965	435.4	4,571.9	1.3	13.2	436.7	4,585.1	6.4	67.3	12.5	131.1	18.9	198.4	20.2	212.3	**475.8**	**4,995.7**
1966	473.4	4,970.9	2.4	25.0	475.8	4,995.9	6.3	65.8	13.5	141.4	19.7	207.1	5.4	56.7	**500.9**	**5,259.7**
1967	523.6	5,497.4	36.8	386.2	560.3	5,883.6	7.4	78.1	16.5	172.9	23.9	250.9	13.4	140.7	**597.6**	**6,275.3**
1968	619.4	6,503.3	61.6	646.7	681.0	7,150.0	8.9	93.5	19.1	200.1	28.0	293.5	24.1	253.5	**733.1**	**7,697.1**
1969	658.2	6,911.0	84.8	890.3	743.0	7,801.3	12.5	131.5	25.2	264.9	37.8	396.4	22.2	233.5	**803.0**	**8,431.3**
1970	701.3	7,363.8	107.1	1,124.2	808.4	8,488.0	15.8	165.6	31.8	334.1	47.6	499.7	24.9	261.0	**880.8**	**9,248.8**
1971	713.1	7,487.0	110.6	1,161.6	823.7	8,648.7	17.8	186.7	45.4	476.9	63.2	663.5	38.0	398.5	**924.8**	**9,710.7**
1972	729.5	7,659.5	123.2	1,293.3	852.7	8,952.9	27.3	286.7	56.5	593.0	83.8	879.6	24.2	254.3	**960.6**	**10,086.8**
1973	709.2	7,446.6	149.2	1,567.1	858.4	9,013.7	37.5	393.9	79.8	838.3	117.4	1,232.2	32.8	344.4	**1,008.6**	**10,590.3**
1974	810.2	8,506.9	171.7	1,802.8	981.9	10,309.7	49.0	514.1	97.9	1,027.8	146.8	1,541.8	27.5	288.4	**1,156.2**	**12,139.9**
1975	1,102.2	11,572.8	200.0	2,099.9	1,302.2	13,672.6	57.6	604.7	131.7	1,382.6	189.3	1,987.3	55.2	579.7	**1,546.6**	**16,239.6**
1976	1,286.1	13,504.4	349.0	3,664.5	1,635.1	17,168.8	85.1	893.4	172.4	1,810.4	257.5	2,703.8	13.4	140.5	**1,906.0**	**20,013.1**
1977	1,512.6	15,882.5	294.4	3,090.8	1,807.0	18,973.3	83.8	879.6	199.9	2,099.1	283.7	2,978.8	67.5	708.8	**2,158.2**	**22,660.9**
1978	1,724.0	18,102.0	369.9	3,884.2	2,093.9	21,986.2	103.2	1,083.8	269.7	2,832.2	373.0	3,916.0	68.1	714.8	**2,535.0**	**26,617.0**
1979	2,101.6	22,067.3	428.6	4,500.8	2,530.3	26,568.1	116.7	1,225.8	314.0	3,297.4	430.8	4,523.2	-20.9	-219.7	**2,940.1**	**30,871.5**
1980	2,346.2	24,634.8	517.4	5,431.6	2,863.6	30,066.4	127.1	1,334.8	378.0	3,969.1	505.1	5,303.8	44.8	469.9	**3,413.5**	**35,840.2**
1981	2,442.0	25,641.2	548.1	5,755.0	2,990.1	31,396.2	138.4	1,453.1	413.5	4,341.4	551.9	5,794.6	79.6	835.7	**3,621.6**	**38,026.4**
1982	2,764.2	29,024.3	632.7	6,643.7	3,397.0	35,668.0	149.2	1,567.0	492.2	5,168.2	641.4	6,735.1	152.5	1,601.1	**4,190.9**	**44,004.2**
1983	3,116.3	32,720.9	695.5	7,302.5	3,811.8	40,023.4	157.7	1,656.2	532.8	5,594.3	690.5	7,250.5	161.4	1,695.1	**4,663.7**	**48,969.0**
1984	3,167.7	33,260.6	795.3	8,351.1	3,963.0	41,611.7	191.1	2,007.0	657.0	6,898.6	848.2	8,905.7	174.4	1,831.5	**4,985.6**	**52,348.9**
1985	3,133.9	32,906.3	902.6	9,477.4	4,036.5	42,383.7	214.3	2,249.8	763.6	8,017.3	977.8	10,267.0	152.8	1,604.0	**5,167.1**	**54,254.7**
1986	3,343.5	35,107.2	981.5	10,305.2	4,325.0	45,412.5	250.6	2,630.8	829.7	8,711.4	1,080.2	11,342.2	163.9	1,721.1	**5,569.1**	**58,475.8**
1987	3,445.1	36,173.2	1,112.0	11,676.0	4,557.1	47,849.1	269.6	2,830.5	964.6	10,128.5	1,234.2	12,959.0	219.0	2,299.6	**6,010.3**	**63,107.8**
1988	3,601.6	37,816.3	1,165.7	12,240.0	4,767.3	50,056.4	284.2	2,983.6	971.6	10,201.5	1,255.7	13,185.1	169.8	1,783.2	**6,192.8**	**65,024.7**
1989	4,031.3	42,328.3	1,272.5	13,361.6	5,303.8	55,689.9	312.1	3,276.9	1,066.0	11,193.2	1,378.1	14,470.1	131.7	1,382.4	**6,813.6**	**71,542.3**
1990	4,137.5	43,443.6	1,393.7	14,634.1	5,531.2	58,077.7	330.4	3,468.7	1,144.6	12,018.2	1,475.0	15,487.0	132.3	1,389.3	**7,138.5**	**74,953.9**
1991	3,660.5	38,434.9	1,471.5	15,451.1	5,132.0	53,886.0	379.7	3,987.3	1,332.0	13,986.5	1,711.8	17,973.8	236.1	2,479.5	**7,079.9**	**74,339.3**
1992	3,332.2	34,988.6	1,530.1	16,065.7	4,862.3	51,054.3	362.5	3,805.9	1,247.8	13,101.9	1,610.3	16,907.8	337.4	3,542.4	**6,809.9**	**71,504.4**

	HD_C		MD_C		HD_C+MD_C		LD_C		DOM		LD_C+DOM		OG		Total	
Year	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh	million m^3	GWh
1993	3,126.9	32,832.4	1,796.3	18,861.5	4,923.2	51,693.9	414.1	4,348.1	1,464.3	15,374.9	1,878.4	19,723.0	262.4	2,755.7	**7,064.1**	**74,172.6**
1994	2,894.5	30,392.0	1,841.6	19,336.6	4,736.1	49,728.6	514.2	5,399.1	1,534.3	16,110.1	2,048.5	21,509.2	274.2	2,879.2	**7,058.8**	**74,117.0**
1995	3,195.3	33,550.9	2,065.8	21,690.7	5,261.1	55,241.6	620.3	6,513.2	2,045.9	21,481.9	2,666.2	27,995.1	147.2	1,545.6	**8,074.5**	**84,782.3**
1996	3,378.2	35,471.3	2,427.8	25,490.0	5,806.0	60,961.3	765.4	8,036.9	2,585.4	27,145.5	3,350.8	35,182.4	149.6	1,570.7	**9,306.4**	**97,714.4**
1997	3,458.9	36,318.5	2,419.1	25,401.1	5,878.0	61,719.6	757.0	7,948.8	2,602.1	27,322.1	3,359.1	35,270.9	203.9	2,140.9	**9,441.0**	**99,131.4**
1998	3,361.5	35,295.8	2,400.5	25,205.1	5,762.0	60,500.9	764.9	8,031.6	2,725.9	28,621.8	3,490.8	36,653.4	136.8	1,436.5	**9,389.6**	**98,590.8**
1999	3,486.8	36,610.4	2,262.6	23,758.2	5,749.4	60,368.6	837.9	8,798.0	2,774.6	29,133.2	3,612.5	37,931.2	65.0	682.5	**9,426.9**	**98,982.3**
2000	3,605.2	37,854.9	1,939.3	20,362.3	5,544.5	58,217.2	770.2	8,087.1	2,756.0	28,938.0	3,526.2	37,025.1	77.2	810.6	**9,147.9**	**96,052.9**
2001	3,586.7	37,660.4	2,141.2	22,482.3	5,727.9	60,142.6	914.8	9,605.0	3,127.7	32,841.0	4,042.5	42,446.0	2.2	23.1	**9,772.6**	**102,611.7**
2002	3,115.7	32,714.8	2,367.9	24,863.7	5,483.6	57,578.5	987.9	10,372.4	2,963.6	31,117.8	3,951.4	41,490.2	107.1	1,124.5	**9,542.1**	**100,193.2**
2003	3,016.1	31,669.0	2,416.4	25,560.5	5,432.5	57,229.5	1,041.4	10,934.2	3,124.1	32,946.8	4,165.4	43,881.0	141.4	1,489.6	**9,739.3**	**102,600.1**
2004	3,089.1	32,435.4	2,366.3	25,110.9	5,455.4	57,546.3	1,025.5	10,767.7	3,076.5	32,501.8	4,102.0	43,269.5	134.9	1,420.8	**9,692.3**	**102,236.6**
2005	4,298.0	45,318.1	989.0	10,428.0	5,287.0	55,746.1	1,257.2	13,255.9	2,832.1	29,861.7	4,089.3	43,117.6	186.5	1,965.9	**9,562.8**	**100,829.6**
2006	4,210.2	44,432.2	902.1	9,517.6	5,112.3	53,949.8	1,189.0	12,543.5	2,796.1	29,497.9	3,985.1	42,041.4	172.0	1,814.7	**9,269.4**	**97,805.9**
2007	4,003.4	42,231.4	864.4	9,119.9	4,867.8	51,351.3	1,119.4	11,811.0	2,494.7	26,327.1	3,614.1	38,138.1	170.7	1,800.8	**8,652.6**	**91,290.2**
2008	3,984.7	42,197.3	854.1	9,013.6	4,838.8	51,210.9	1,157.9	12,176.8	2,508.5	26,384.7	3,666.4	38,561.5	180.0	1,900.7	**8,685.2**	**91,673.1**
2009	3,421.5	36,171.1	821.7	8,678.1	4,243.2	44,849.2	1,186.2	12,526.4	2,514.5	26,549.0	3,700.7	39,075.4	217.4	2,291.6	**8,161.3**	**86,216.2**
2010	3,650.0	38,677.4	881.0	9,332.8	4,531.0	48,010.2	1,365.5	14,465.3	2,905.5	30,785.7	4,271.0	45,250.9	177.2	1,877.3	**8,979.2**	**95,138.4**
2011	3,544.5	37,545.7	782.9	8,290.2	4,327.4	45,835.9	1,159.8	12,283.1	2,443.9	25,889.0	3,603.8	38,172.1	154.6	1,637.6	**8,085.8**	**85,645.6**
2012	3,542.7	37,484.9	801.4	8,478.2	4,344.2	45,963.1	1,196.7	12,661.5	2,469.0	26,131.0	3,665.6	38,792.4	148.4	1,570.2	**8,158.2**	**86,325.8**
2013	3,627.3	38,572.4	819.1	8,704.0	4,446.5	47,276.5	1,204.2	12,790.8	2,473.7	26,279.1	3,678.0	39,069.9	152.6	1,622.2	**8,277.1**	**87,968.6**
2014	3,410.4	36,263.8	713.0	7,578.0	4,123.4	43,841.8	980.6	10,423.6	1,999.1	21,252.7	2,979.8	31,676.3	177.3	1,891.0	**7,280.4**	**77,409.1**
2015	3,522.8	37,559.6	740.5	7,890.5	4,263.3	45,450.2	1,057.2	11,257.7	2,171.1	23,123.1	3,228.3	34,380.8	116.0	1,237.0	**7,607.6**	**81,067.9**
2016	3,836.4	41,022.7	801.5	8,566.8	4,637.9	49,589.5	1,152.7	12,316.8	2,368.5	25,309.2	3,521.1	37,626.0	96.1	1,027.6	**8,255.1**	**88,243.2**
2017	3,847.7	41,058.7	905.8	9,665.1	4,753.6	50,723.8	1,238.8	13,218.1	2,427.3	25,902.1	3,666.0	39,120.2	107.9	1,152.2	**8,527.5**	**90,996.2**
2018	3,854.9	41,132.7	802.3	8,559.0	4,657.2	49,691.8	1,117.9	11,925.8	2,275.6	24,278.8	3,393.6	36,204.6	132.0	1,410.0	**8,182.8**	**87,306.4**
2019	4,200.7	44,813.1	838.0	8,942.6	5,038.7	53,755.7	1,201.5	12,826.3	2,173.2	23,200.4	3,374.7	36,026.7	151.2	1,615.2	**8,564.6**	**91,397.6**
2020	4,268.3	45,620.8	840.4	8,977.6	5,108.7	54,598.4	1,197.7	12,792.3	2,245.5	23,983.6	3,443.3	36,775.8	142.2	1,520.2	**8,694.2**	**92,894.4**
2021	4,565.7	48,749.3	914.0	9,759.4	5,479.7	58,508.7	1,309.7	13,986.1	2,518.7	26,898.8	3,828.4	40,884.9	125.7	1,343.9	**9,433.7**	**100,737.5**
2022	3,611.2	39,073.1	739.7	7,995.2	4,351.0	47,068.3	1,077.5	11,638.5	1,992.3	21,510.4	3,069.8	33,148.9	123.0	1,329.5	**7,543.8**	**81,546.7**

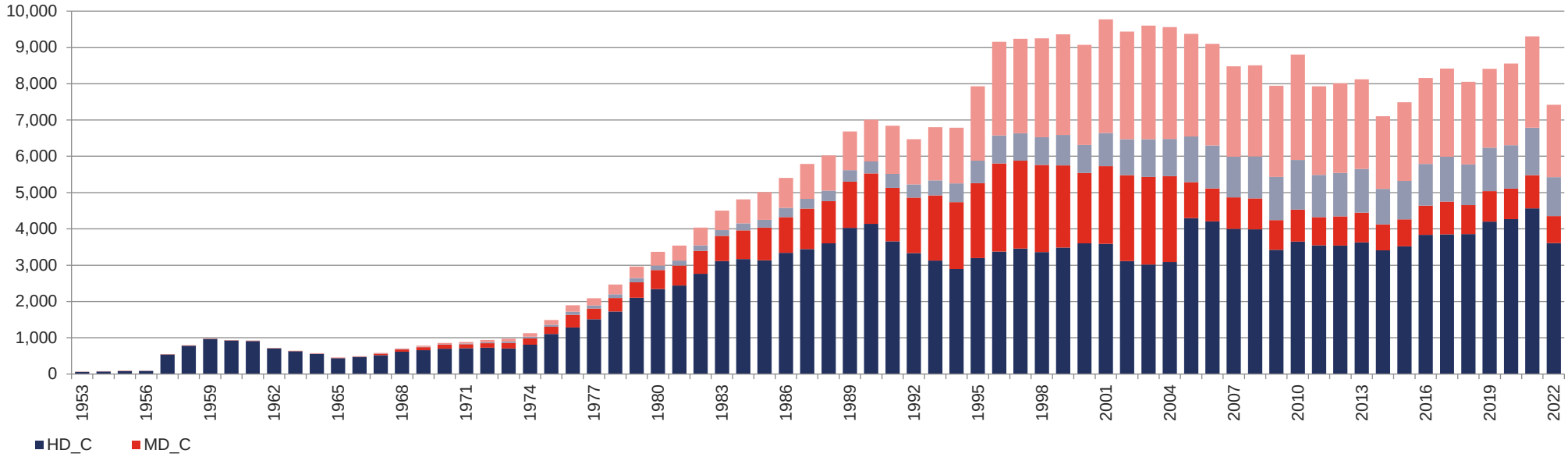
Note:

From 1950 to 1996, natural gas supply for town gas production was added to the high demand category.

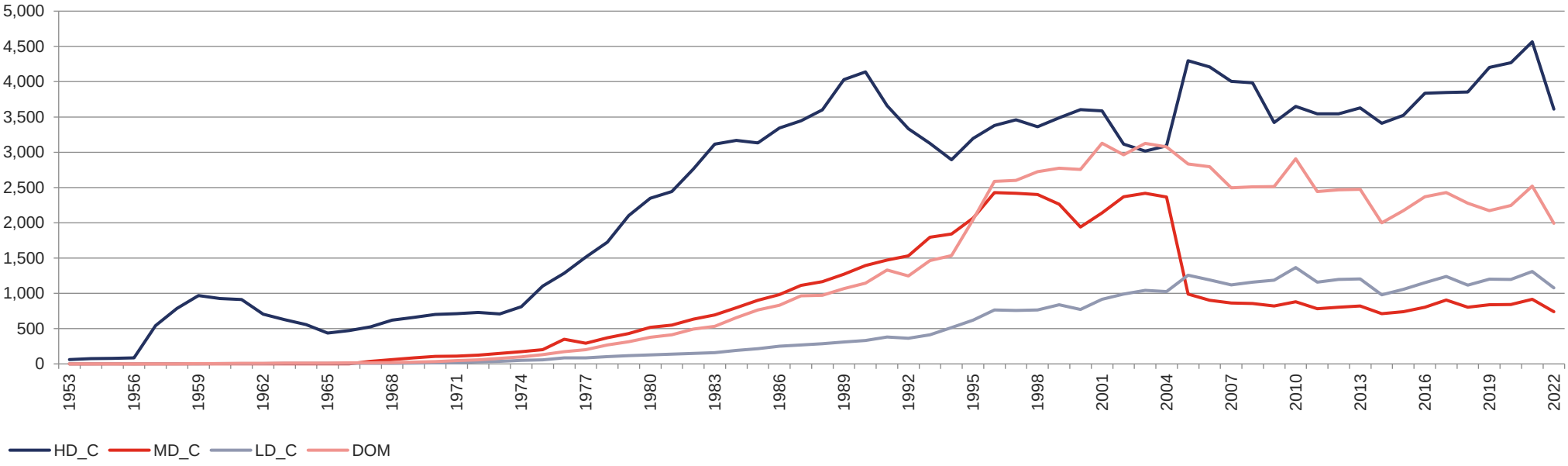
From 1981 to 2004, the high demand category (gas supply from long-distance pipelines) and medium demand category (gas supply from local networks) were determined based on different criteria.

Natural gas supply to CNG stations and natural gas consumption for electricity generation are included in the relevant demand category.

Total natural gas consumption by demand category (million m^3)



Distributed gas quantity in each demand category (million m^3)

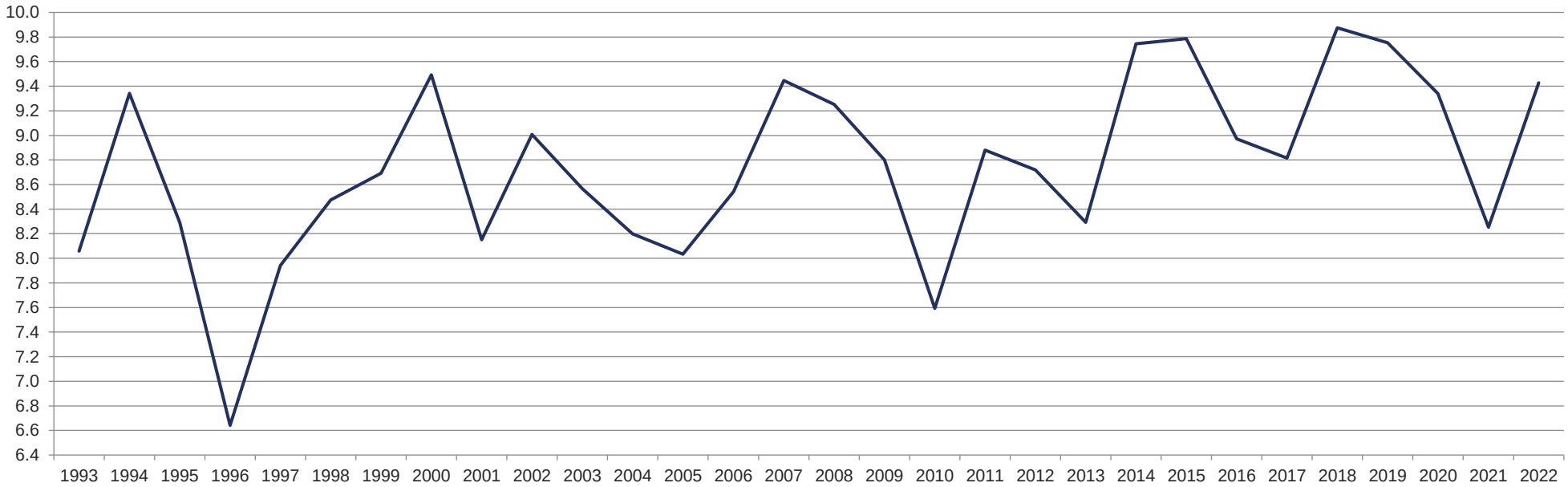


12.3 Average air temperature in the Czech Republic over the last 30 years

Average air temperature in the CR (°C)

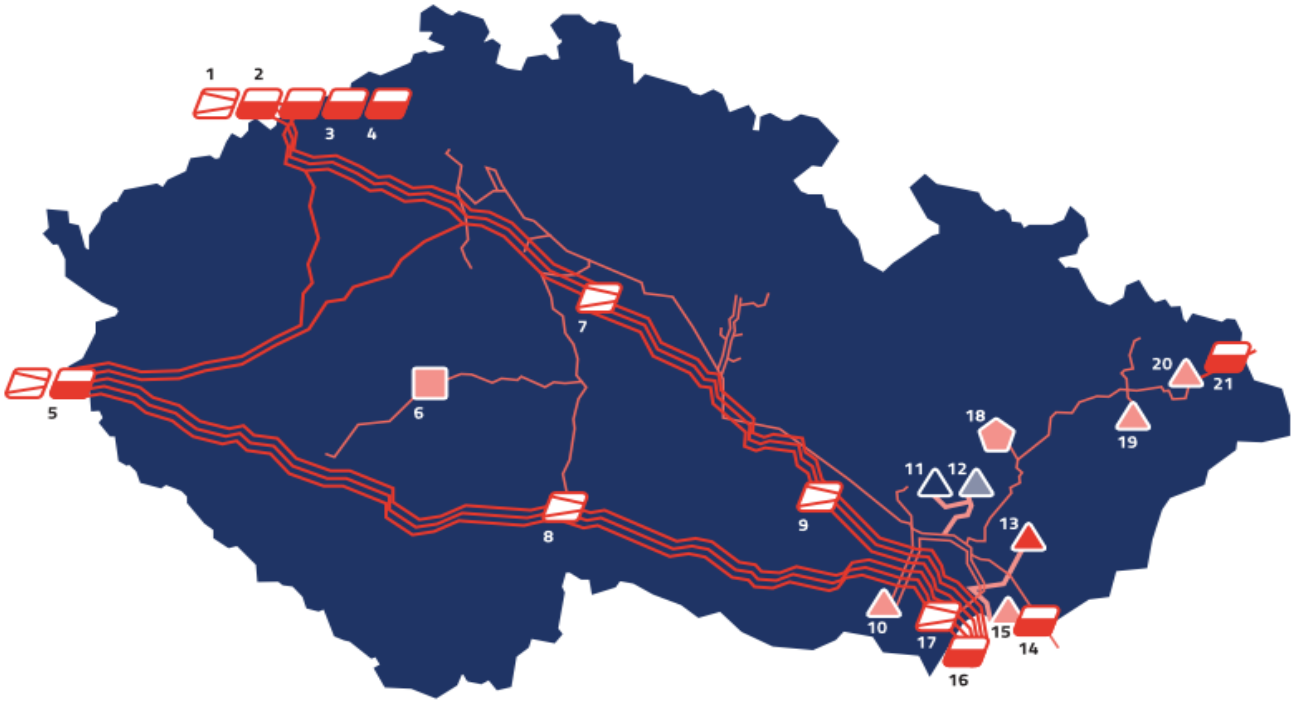
Period	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
January	0.1	2.1	-1.6	-4.5	-4.5	0.4	-0.2	-2.1	-1.3	-1.1	-2.2	-3.7	0.0	-6.0	3.6	1.7	-3.7	-4.7	-0.9	0.1	-1.6	0.7	1.2	-1.2	-5.6	2.0	-1.5	0.4	-0.9	0.8
February	-2.8	-0.8	3.5	-4.5	1.7	2.9	-1.3	2.4	0.5	3.7	-4.1	0.8	-3.3	-2.7	3.2	2.6	-0.6	-1.4	-1.7	-4.9	-1.0	2.3	0.2	3.6	1.2	-3.3	1.8	4.0	-0.7	3.1
March	2.1	5.9	2.5	-0.6	3.9	3.0	4.7	3.9	3.8	4.5	3.7	2.8	1.2	0.4	5.5	3.4	3.6	3.1	4.1	5.4	-0.1	6.5	4.3	3.8	6.1	1.0	5.8	4.1	2.8	3.3
April	9.5	8.1	8.5	7.9	5.2	9.7	9.0	11.3	7.2	7.9	7.6	9.1	9.3	8.6	10.6	8.3	12.3	8.5	10.8	8.8	8.6	10.0	8.2	8.1	7.1	13.0	9.7	9.4	5.7	6.6
May	15.5	12.9	12.6	13.0	13.5	13.7	13.8	15.1	14.6	15.8	15.4	11.7	13.3	13.1	14.8	13.9	13.6	11.9	13.7	14.9	12.4	12.3	12.8	13.6	14.1	16.5	10.9	11.2	10.8	14.5
June	16.0	16.8	15.0	16.4	16.5	17.2	15.6	17.7	14.5	17.7	19.7	15.7	16.4	17.3	18.5	17.8	15.3	17.0	17.4	17.4	16.2	16.6	16.7	17.6	18.4	17.7	21.0	16.6	19.1	19.0
July	16.7	21.5	20.5	16.0	16.9	17.5	19.0	15.9	18.3	19.0	18.7	17.5	18.3	21.7	18.7	18.4	18.5	20.4	16.8	18.8	19.8	19.6	20.9	18.9	18.8	20.0	19.1	18.0	19.0	18.9
August	17.2	18.6	17.7	16.9	18.6	17.5	17.1	18.8	18.6	18.9	20.5	18.5	16.2	15.5	18.1	17.9	18.8	17.5	18.3	18.6	18.2	16.1	21.8	17.3	19.0	20.9	19.2	19.0	16.3	19.4
September	12.5	14.2	12.3	10.1	13.1	12.8	16.3	12.9	11.6	12.2	13.6	13.2	14.4	15.8	11.7	12.4	15.1	11.7	14.9	13.7	12.2	14.3	13.5	16.0	12.0	14.7	13.5	14.2	14.4	12.2
October	8.1	6.4	10.2	9.1	6.5	8.4	8.4	11.3	11.6	7.2	5.3	9.6	9.3	10.4	7.5	8.6	7.6	6.4	8.2	7.8	9.2	10.3	8.2	7.6	9.7	10.1	9.6	9.2	8.2	10.8
November	0.0	5.3	0.7	4.7	3.0	0.3	2.0	5.8	1.8	5.1	5.0	3.6	2.3	5.9	1.8	4.9	5.8	5.4	2.7	5.4	4.3	6.3	5.9	2.8	3.9	4.4	5.8	4.0	3.8	4.2
December	1.8	1.1	-2.4	-4.8	0.9	-1.7	-0.1	0.9	-3.4	-2.8	-0.4	-0.4	-1.0	2.5	-0.6	1.1	-0.7	-4.6	2.2	-1.2	1.4	1.9	3.5	-0.4	1.0	1.4	2.1	1.9	0.6	0.4
1Q	-0.2	2.4	1.5	-3.2	0.4	2.1	1.1	1.4	1.0	2.4	-0.9	0.0	-0.7	-2.8	4.1	2.6	-0.2	-1.0	0.5	0.2	-0.9	3.2	1.9	2.1	0.6	-0.1	2.0	2.8	0.4	2.4
2Q	13.7	12.6	12.0	12.4	11.7	13.5	12.8	14.7	12.1	13.8	14.2	12.2	13.0	13.0	14.6	13.3	13.7	12.5	14.0	13.7	12.4	13.0	12.6	13.1	13.2	15.7	13.9	12.4	11.9	13.4
3Q	15.5	18.1	16.8	14.3	16.2	15.9	17.5	15.9	16.2	16.7	17.6	16.4	16.3	17.7	16.2	16.2	17.5	16.5	16.7	17.0	16.7	16.7	18.7	17.4	16.6	18.5	17.3	17.1	16.6	16.8
4Q	3.3	4.3	2.8	3.0	3.5	2.3	3.4	6.0	3.3	3.2	3.3	4.3	3.5	6.3	2.9	4.9	4.2	2.4	4.4	4.0	5.0	6.2	5.9	3.4	4.9	5.3	5.8	5.0	4.2	5.2
1H	6.7	7.5	6.8	4.6	6.1	7.8	6.9	8.1	6.6	8.1	6.7	6.1	6.2	5.1	9.4	8.0	6.8	5.7	7.2	6.9	5.7	8.1	7.3	7.6	6.9	7.8	8.0	7.6	6.1	7.9
2H	9.4	11.2	9.8	8.7	9.8	9.1	10.5	10.9	9.8	9.9	10.5	10.3	9.9	12.0	9.5	10.6	10.9	9.5	10.5	10.5	10.9	11.4	12.3	10.4	10.7	11.9	11.6	11.0	10.4	11.0
Year	8.1	9.3	8.3	6.6	7.9	8.5	8.7	9.5	8.2	9.0	8.6	8.2	8.0	8.5	9.4	9.3	8.8	7.6	8.9	8.7	8.3	9.7	9.8	9.0	8.8	9.9	9.8	9.3	8.3	9.4

Annual average air temperature in the CR (°C)



13 MAP OF THE CZECH GAS SYSTEM

The gas transmission system and storage facilities in the CR



- RWE Gas Storage CZ, s.r.o.
- MND Gas Storage a.s.
- SPP Storage, s.r.o.
- Moravia Gas Storage a.s.
- UGS in a depleted field
- UGS in a granite cavern
- UGS in an aquifer
- Compression station (KS)
- Cross-border delivery station (HPS)
- The gas transit system
- The national gas transmission system
- UGS connection to the transmission system

1 HPS Brandov – STEGAL – Olbernhau
2 HPS Brandov – OPAL
3 HPS Hora Svaté Kateřiny (Sayda)
4 HPS EUGAL
5 HPS Waidhaus
6 Háje
7 KS Kouřim
8 KS Veselí nad Lužnicí
9 KS Kralice
10 Dolní Dunajovice
11 Dambořice
12 Uhřice
13 Dolní Bojanovice
14 HPS Mokrý Háj
15 Tvrdonice
16 HPS Lanžhot
17 KS Břeclav
18 Lobodice
19 Štramberk
20 Třanovice
21 HPS Cieszyn

Statistics and Quality Monitoring Unit
plyn.statistika@eru.cz

Released in 08/2023

Energy Regulatory Office
Masarykovo náměstí 91/5, 586 01 Jihlava
+420 564 578 666
podatelna@eru.cz
ERO mailbox ID eeuaau7
www.eru.cz