

Ⓢ Natural gas

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Statistical Review of World Energy

2020 | 69th edition



Total proved reserves

	At end 1999 Trillion cubic metres	At end 2009 Trillion cubic metres	At end 2018 Trillion cubic metres	At end 2019			
				Trillion cubic metres	Trillion cubic feet	Share of total	R/P ratio
Canada	1.6	1.6	1.9	2.0	70.1	1.0%	11.5
Mexico	0.9	0.3	0.2	0.2	6.3	0.1%	5.3
US	4.5	7.4	12.9	12.9	454.6	6.5%	14.0
Total North America	7.0	9.4	15.0	15.0	531.0	7.6%	13.3
Argentina	0.7	0.4	0.4	0.4	12.7	0.2%	8.7
Bolivia	0.1	0.3	0.2	0.2	7.5	0.1%	14.2
Brazil	0.2	0.4	0.4	0.4	13.3	0.2%	14.5
Colombia	0.2	0.1	0.1	0.1	3.6	0.1%	7.8
Peru	0.2	0.3	0.3	0.3	10.2	0.1%	21.4
Trinidad & Tobago	0.6	0.4	0.3	0.3	10.2	0.1%	8.4
Venezuela	4.6	5.6	6.3	6.3	222.4	3.2%	238.0
Other S. & Cent. America	0.1	0.1	0.1	0.1	2.2	♦	17.5
Total S. & Cent. America	6.8	7.6	8.0	8.0	282.1	4.0%	46.0
Denmark	0.1	0.1	†	†	†	♦	0.0
Germany	0.2	0.1	†	†	0.8	♦	4.1
Italy	0.2	0.1	†	†	1.5	♦	9.4
Netherlands	1.6	1.2	0.2	0.2	6.1	0.1%	6.2
Norway	1.2	2.0	1.6	1.5	54.1	0.8%	13.4
Poland	0.1	0.1	0.1	0.1	2.6	♦	18.1
Romania	0.3	0.6	0.1	0.1	3.6	0.1%	10.6
Ukraine	0.8	0.7	1.1	1.1	38.5	0.5%	55.7
United Kingdom	0.8	0.3	0.2	0.2	6.6	0.1%	4.7
Other Europe	0.2	0.2	0.1	0.1	4.8	0.1%	18.4
Total Europe	5.6	5.3	3.4	3.4	118.7	1.7%	14.2
Azerbaijan	1.0	1.0	2.1	2.8	100.5	1.4%	117.0
Kazakhstan	2.0	2.0	2.7	2.7	93.7	1.3%	113.4
Russian Federation	32.9	34.0	38.0	38.0	1340.5	19.1%	55.9
Turkmenistan	2.6	8.2	19.5	19.5	688.1	9.8%	308.5
Uzbekistan	1.2	1.3	1.2	1.2	42.7	0.6%	21.5
Other CIS	†	†	†	†	1.2	♦	110.9
Total CIS	39.8	46.6	63.6	64.2	2266.8	32.3%	75.8
Bahrain	0.3	0.2	0.2	0.1	2.7	♦	4.6
Iran	23.6	28.0	32.0	32.0	1130.7	16.1%	131.1
Iraq	3.1	3.0	3.5	3.5	125.1	1.8%	328.7
Israel	†	0.1	0.4	0.5	16.4	0.2%	46.2
Kuwait	1.4	1.7	1.7	1.7	59.9	0.9%	92.1
Oman	0.8	0.5	0.7	0.7	23.5	0.3%	18.3
Qatar	11.5	26.2	24.7	24.7	871.6	12.4%	138.6
Saudi Arabia	5.8	7.4	5.9	6.0	211.3	3.0%	52.7
Syria	0.2	0.3	0.3	0.3	9.5	0.1%	72.1
United Arab Emirates	5.8	5.9	5.9	5.9	209.7	3.0%	95.0
Yemen	0.3	0.3	0.3	0.3	9.4	0.1%	458.2
Other Middle East	†	†	†	†	0.2	♦	47.1
Total Middle East	53.0	73.6	75.6	75.6	2670.0	38.0%	108.7
Algeria	4.4	4.3	4.3	4.3	153.1	2.2%	50.3
Egypt	1.2	2.1	2.1	2.1	75.5	1.1%	32.9
Libya	1.2	1.5	1.4	1.4	50.5	0.7%	151.5
Nigeria	3.3	5.0	5.4	5.4	190.4	2.7%	109.4
Other Africa	0.8	1.2	1.4	1.6	57.5	0.8%	58.1
Total Africa	11.0	14.2	14.7	14.9	527.0	7.5%	62.7
Australia	1.6	2.8	2.4	2.4	84.4	1.2%	15.6
Bangladesh	0.3	0.4	0.1	0.1	4.3	0.1%	4.2
Brunei	0.4	0.3	0.2	0.2	8.3	0.1%	18.0
China	1.4	2.9	6.4	8.4	296.6	4.2%	47.3
India	0.6	1.1	1.3	1.3	46.9	0.7%	49.4
Indonesia	2.7	3.1	2.8	1.4	50.5	0.7%	21.2
Malaysia	1.1	1.1	0.9	0.9	33.4	0.5%	12.0
Myanmar	0.3	0.3	1.2	1.2	41.3	0.6%	68.4
Pakistan	0.4	0.6	0.4	0.4	14.2	0.2%	11.9
Papua New Guinea	†	0.1	0.2	0.2	6.2	0.1%	14.2
Thailand	0.4	0.3	0.2	0.2	6.3	0.1%	5.0
Vietnam	0.2	0.7	0.6	0.6	22.8	0.3%	65.6
Other Asia Pacific	0.3	0.3	0.2	0.2	8.4	0.1%	13.9
Total Asia Pacific	9.5	13.9	16.9	17.7	623.5	8.9%	26.3
Total World	132.8	170.5	197.1	198.8	7019.0	100.0%	49.8
of which: OECD	13.2	16.2	20.1	20.1	709.5	10.1%	13.3
Non-OECD	119.6	154.3	177.0	178.7	6309.5	89.9%	72.0
European Union	3.5	2.5	0.7	0.7	23.9	0.3%	6.7

†Less than 0.05.

♦Less than 0.05%.

Notes: Total proved reserves of natural gas – generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved natural gas does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at a company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent bp's view of proved reserves by country.

Reserves-to-production (R/P) ratio – if the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

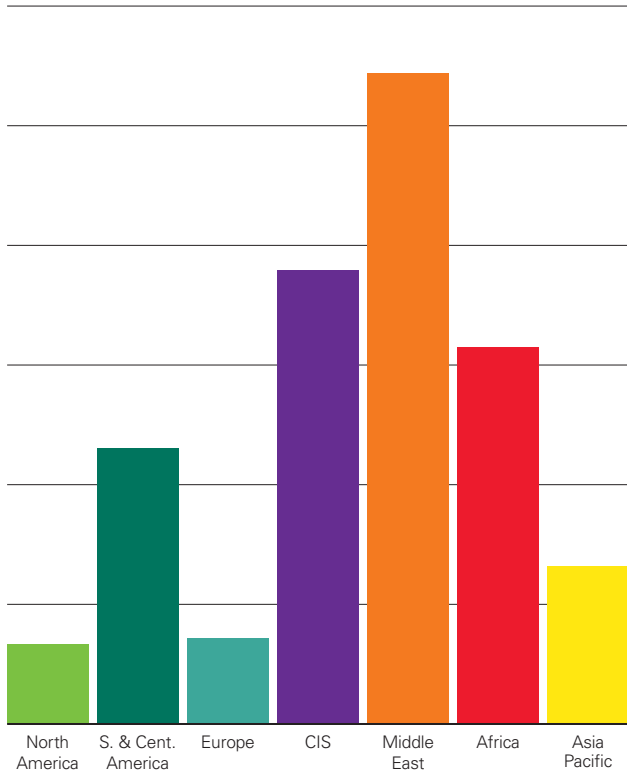
Source of data – the estimates in this table have been compiled using a combination of primary official sources and third-party data from Cedigaz and the OPEC Secretariat.

As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar) and have been standardized using a gross calorific value (GCV) of 40 MJ/m³.

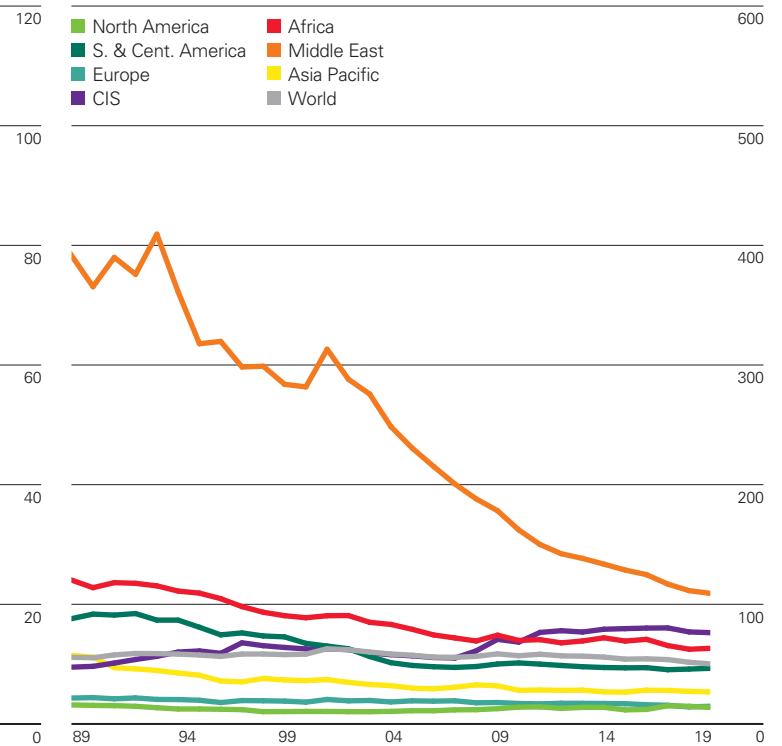
Reserves-to-production (R/P) ratios

Years

2019 by region



History

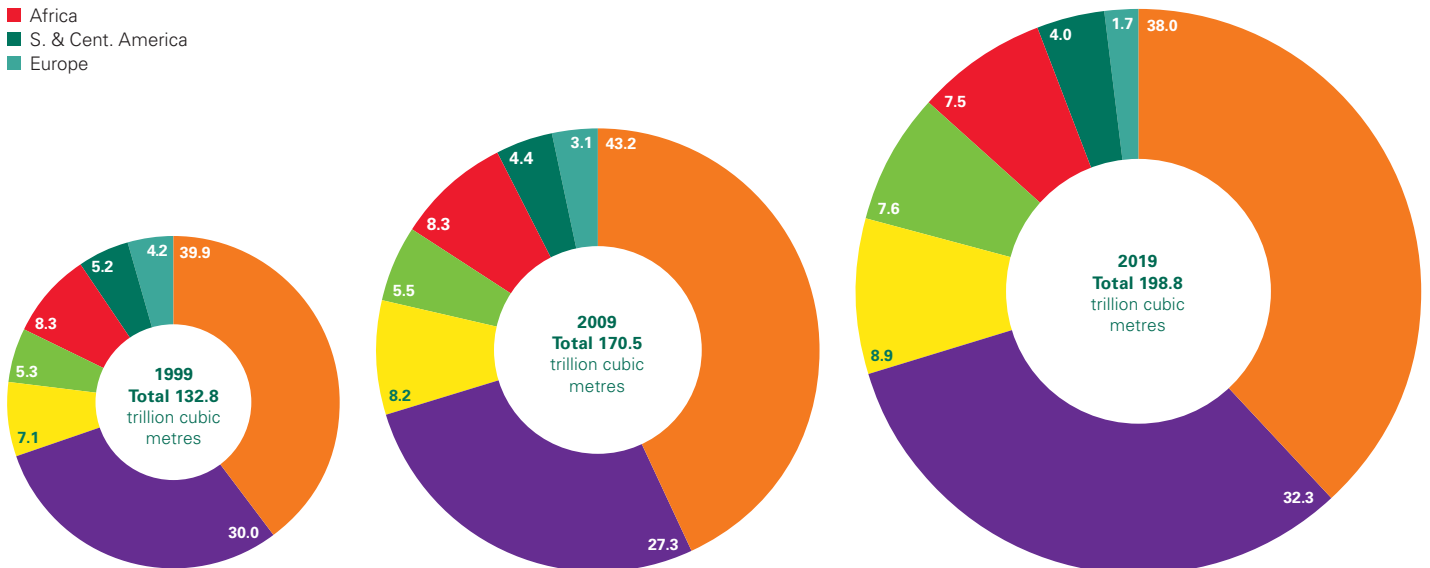


World proved gas reserves increased by 1.7 Tcm to 198.8 Tcm in 2019. China (2 Tcm) and Azerbaijan (0.7 Tcm) provided the largest increments, although this was partially offset by a 1.3 Tcm decline in Indonesian reserves. Russia (38 Tcm), Iran (32 Tcm) and Qatar (24.7 Tcm) are the countries with the largest reserves. The current global R/P ratio shows that gas reserves in 2019 accounted for 49.8 years of current production. The Middle East (108.7 years) and CIS (75.8 years) are the regions with the highest R/P ratio.

Distribution of proved reserves in 1999, 2009 and 2019

Percentage

- Middle East
- CIS
- Asia Pacific
- North America
- Africa
- S. & Cent. America
- Europe



Natural gas: Production in billion cubic metres*

Billion cubic metres	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	155.1	149.6	151.1	150.3	151.9	159.0	160.8	171.8	175.6	179.0	173.1	-3.3%	0.7%	4.3%
Mexico	52.6	51.2	52.1	50.9	52.5	51.3	47.9	43.7	38.3	35.2	34.0	-3.4%	-2.9%	0.9%
US	557.6	575.2	617.4	649.1	655.7	704.7	740.3	727.4	746.2	835.9	920.9	10.2%	4.3%	23.1%
Total North America	765.2	775.9	820.5	850.3	860.1	915.0	949.0	942.8	960.0	1050.1	1128.0	7.4%	3.3%	28.3%
Argentina	40.3	39.0	37.7	36.7	34.6	34.5	35.5	37.3	37.1	39.4	41.6	5.6%	-0.8%	1.0%
Bolivia	11.9	13.7	15.0	17.1	19.6	20.3	19.6	18.8	18.2	17.0	15.0	-12.2%	2.1%	0.4%
Brazil	12.3	15.0	17.2	19.8	21.9	23.3	23.8	24.1	27.2	25.2	25.8	2.6%	5.8%	0.6%
Colombia	10.1	10.8	10.5	11.5	13.2	12.3	11.6	12.0	12.3	12.9	13.2	2.6%	4.0%	0.3%
Peru	3.6	7.3	11.5	12.0	12.4	13.1	12.7	14.0	13.0	12.8	13.5	5.6%	13.8%	0.3%
Trinidad & Tobago	38.6	40.3	38.7	38.5	38.7	38.1	36.0	31.3	31.9	34.0	34.6	1.8%	-1.0%	0.9%
Venezuela	31.8	30.5	30.2	31.9	30.6	31.8	36.1	37.2	38.6	31.6	26.5	-16.3%	-0.6%	0.7%
Other S. & Cent. America	3.8	3.8	3.2	3.0	2.7	2.6	2.9	3.1	3.1	3.3	3.5	5.2%	-1.5%	0.1%
Total S. & Cent. America	152.3	160.4	164.1	170.6	173.8	176.0	178.0	177.9	181.4	176.2	173.6	-1.5%	1.1%	4.4%
Denmark	8.8	8.5	6.9	6.0	5.0	4.8	4.8	4.7	5.1	4.3	3.2	-25.4%	-8.5%	0.1%
Germany	12.7	11.1	10.5	9.5	8.6	8.1	7.5	6.9	6.4	5.5	5.3	-3.8%	-8.6%	0.1%
Italy	7.6	8.0	8.0	8.2	7.4	6.8	6.4	5.5	5.3	5.2	4.6	-10.9%	-5.2%	0.1%
Netherlands	65.5	75.3	69.5	68.4	72.4	60.4	45.9	44.3	38.5	32.3	28.1	-13.0%	-7.6%	0.7%
Norway	103.6	106.4	100.5	113.9	107.9	108.0	116.2	115.9	123.2	121.3	114.4	-5.7%	2.0%	2.9%
Poland	4.3	4.3	4.5	4.5	4.4	4.3	4.3	4.1	4.0	4.0	4.0	0.1%	-0.7%	0.1%
Romania	10.4	10.0	10.1	10.1	10.0	10.2	10.2	9.1	10.0	10.0	9.7	-2.8%	-0.5%	0.2%
Ukraine	20.3	19.4	19.5	19.4	20.2	20.2	18.8	19.0	19.4	19.7	19.6	-0.5%	-0.3%	0.5%
United Kingdom	61.2	57.9	46.1	39.2	37.0	37.4	40.7	41.7	41.9	40.5	39.6	-2.2%	-5.7%	1.0%
Other Europe	9.3	9.3	9.2	8.4	7.2	6.3	6.1	8.7	9.0	8.5	7.4	-12.9%	-1.1%	0.2%
Total Europe	303.7	310.4	284.8	287.5	280.0	266.6	261.0	259.9	262.8	251.2	235.9	-6.1%	-2.4%	5.9%
Azerbaijan	15.9	16.3	16.0	16.8	17.4	18.4	18.8	18.3	17.8	19.0	24.3	27.7%	1.8%	0.6%
Kazakhstan	19.0	20.4	20.1	19.8	21.4	21.7	22.0	22.9	23.4	23.9	23.4	-2.2%	2.7%	0.6%
Russian Federation	536.2	598.4	616.8	601.9	614.5	591.2	584.4	589.3	635.6	669.1	679.0	1.5%	0.9%	17.0%
Turkmenistan	33.3	40.1	56.3	59.0	59.0	63.5	65.9	63.2	58.7	61.5	63.2	2.7%	♦	1.6%
Uzbekistan	58.4	57.1	56.6	56.5	55.9	56.3	53.6	53.1	53.4	57.2	56.3	-1.6%	-0.7%	1.4%
Other CIS	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0%	0.2%	♦
Total CIS	663.2	732.7	766.2	754.3	768.5	751.4	745.0	747.2	789.1	831.1	846.5	1.9%	0.8%	21.2%
Bahrain	12.1	12.4	12.6	13.1	14.0	14.7	14.8	14.4	14.5	14.6	16.9	15.4%	2.0%	0.4%
Iran	135.7	143.9	151.0	156.9	157.5	175.5	183.5	199.3	219.5	238.3	244.2	2.4%	6.8%	6.1%
Iraq	6.9	7.1	6.3	6.3	7.1	7.5	7.3	9.9	10.1	10.6	10.8	1.9%	5.1%	0.3%
Kuwait	10.9	11.1	12.9	14.7	15.5	14.3	16.1	16.4	16.2	16.9	18.4	9.2%	3.4%	0.5%
Oman	23.9	25.7	27.1	28.3	30.8	29.3	30.7	31.5	32.3	36.0	36.3	0.9%	4.1%	0.9%
Qatar	92.4	123.1	150.4	162.5	168.2	169.5	174.9	173.6	168.6	176.5	178.1	0.9%	8.3%	4.5%
Saudi Arabia	74.5	83.3	87.6	94.4	95.0	97.3	99.2	105.3	109.3	112.1	113.6	1.4%	3.9%	2.8%
Syria	6.1	8.4	7.4	6.1	5.0	4.6	4.1	3.5	3.5	3.6	3.7	3.6%	-4.3%	0.1%
United Arab Emirates	47.6	50.0	51.0	52.9	53.2	52.9	58.7	60.3	62.4	61.4	62.5	1.9%	2.3%	1.6%
Yemen	0.8	6.3	9.4	7.6	10.4	9.8	2.9	0.5	0.6	0.6	0.6	0.8%	n/a	♦
Other Middle East	2.7	3.3	4.2	2.5	6.3	7.3	8.1	9.0	9.5	10.1	10.1	0.1%	11.3%	0.3%
Total Middle East	413.8	474.6	520.0	545.5	562.9	582.7	600.2	623.9	646.5	680.7	695.3	2.1%	5.7%	17.4%
Algeria	76.6	77.4	79.6	78.4	79.3	80.2	81.4	91.4	93.0	93.8	86.2	-8.1%	1.3%	2.2%
Egypt	60.3	59.0	59.1	58.6	54.0	47.0	42.6	40.3	48.8	58.6	64.9	10.9%	0.3%	1.6%
Libya	15.1	16.0	7.5	11.6	12.2	11.8	11.0	9.4	8.6	8.3	9.4	14.0%	-5.8%	0.2%
Nigeria	23.2	30.9	36.4	39.2	33.1	40.0	47.6	42.6	47.2	48.3	49.3	2.1%	3.9%	1.2%
Other Africa	16.9	19.0	19.1	19.0	19.8	19.7	21.4	22.2	26.5	27.3	28.0	2.7%	5.1%	0.7%
Total Africa	192.1	202.3	201.7	206.8	198.3	198.7	204.0	205.9	224.2	236.2	237.9	0.7%	1.5%	6.0%
Australia	46.7	54.0	55.7	59.5	61.8	66.6	76.0	96.4	112.8	130.1	153.5	18.0%	12.1%	3.8%
Bangladesh	18.7	19.3	19.6	21.3	22.0	23.0	25.9	26.5	26.6	26.6	28.7	8.0%	5.0%	0.7%
Brunei	11.1	12.0	12.5	12.3	11.9	12.7	13.3	12.9	12.9	12.6	13.0	3.3%	0.6%	0.3%
China	85.9	96.5	106.2	111.5	121.8	131.2	135.7	137.9	149.2	161.5	177.6	9.9%	7.2%	4.5%
India	36.1	47.4	42.9	37.3	31.1	29.4	28.1	26.6	27.7	27.5	26.9	-2.1%	-0.7%	0.7%
Indonesia	78.0	87.0	82.7	78.3	77.6	76.4	76.2	75.1	72.7	72.8	67.5	-7.2%	-0.3%	1.7%
Malaysia	66.2	65.1	67.0	69.3	72.6	72.2	76.8	76.7	78.5	77.3	78.8	2.0%	1.1%	2.0%
Myanmar	11.4	12.2	12.6	12.5	12.9	16.5	19.2	18.3	17.8	17.1	17.1	-	3.4%	0.4%
Pakistan	34.7	35.3	35.3	36.6	35.6	35.0	35.0	34.7	34.7	34.2	33.9	-1.0%	-0.1%	0.8%
Thailand	29.4	33.7	33.8	38.4	38.9	39.1	37.5	37.3	35.9	34.7	35.8	3.0%	1.5%	0.9%
Vietnam	7.7	9.1	8.2	9.0	9.4	9.9	10.3	10.2	9.5	9.7	9.9	2.0%	2.9%	0.2%
Other Asia Pacific	18.5	18.2	18.3	18.0	18.7	23.6	29.4	30.2	30.2	28.1	29.6	5.5%	4.4%	0.7%
Total Asia Pacific	444.6	489.8	494.7	504.0	514.2	535.5	563.5	582.8	608.5	632.0	672.1	6.3%	4.0%	16.8%
Total World	2934.9	3146.2	3251.9	3318.9	3357.8	3425.9	3500.6	3540.4	3672.5	3857.5	3989.3	3.4%	2.4%	100.0%
of which: OECD	1094.9	1121.7	1141.9	1177.1	1184.8	1232.0	1271.5	1286.9	1323.3	1419.3	1506.2	6.1%	2.6%	37.8%
Non-OECD	1840.0	2024.5	2110.0	2141.8	2173.1	2193.9	2229.2	2253.4	2349.2	2438.3	2483.2	1.8%	2.4%	62.2%
European Union	178.8	183.5	163.5	153.1	150.9	137.4	124.9	124.1	119.3	109.3	101.0	-7.7%	-5.8%	2.5%

*Excludes gas flared or recycled. Includes natural gas produced for gas-to-liquids transformation.

Source: includes data from Cedigaz, FGE MENAgas service.

♦Less than 0.05%.

n/a not available.

Notes: As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar); as they are derived directly from measures of energy content using an average conversion factor and have been standardized using a gross calorific value (GCV) of 40 MJ/m³, they do not necessarily equate with gas volumes expressed in specific national terms.

Annual changes and shares of total are calculated using billion cubic metres figures.

Natural gas production data expressed in billion cubic feet per day is available at bp.com/statisticalreview.

Natural gas: Production in exajoules*

Exajoules	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	5.58	5.39	5.44	5.41	5.47	5.72	5.79	6.18	6.32	6.45	6.23	-3.3%	0.7%	4.3%
Mexico	1.89	1.84	1.88	1.83	1.89	1.85	1.73	1.57	1.38	1.27	1.22	-3.4%	-2.9%	0.9%
US	20.07	20.71	22.22	23.37	23.60	25.37	26.65	26.18	26.86	30.09	33.15	10.2%	4.3%	23.1%
Total North America	27.55	27.93	29.54	30.61	30.96	32.94	34.16	33.94	34.56	37.80	40.61	7.4%	3.3%	28.3%
Argentina	1.45	1.40	1.36	1.32	1.24	1.24	1.28	1.34	1.34	1.42	1.50	5.6%	-0.8%	1.0%
Bolivia	0.43	0.49	0.54	0.62	0.70	0.73	0.70	0.68	0.66	0.61	0.54	-12.2%	2.1%	0.4%
Brazil	0.44	0.54	0.62	0.71	0.79	0.84	0.86	0.87	0.98	0.91	0.93	2.6%	5.8%	0.6%
Colombia	0.36	0.39	0.38	0.41	0.48	0.44	0.42	0.43	0.44	0.46	0.47	2.6%	4.0%	0.3%
Peru	0.13	0.26	0.41	0.43	0.45	0.47	0.46	0.50	0.47	0.46	0.49	5.6%	13.8%	0.3%
Trinidad & Tobago	1.39	1.45	1.39	1.39	1.39	1.37	1.29	1.13	1.15	1.22	1.24	1.8%	-1.0%	0.9%
Venezuela	1.14	1.10	1.09	1.15	1.10	1.14	1.30	1.34	1.39	1.14	0.95	-16.3%	-0.6%	0.7%
Other S. & Cent. America	0.14	0.14	0.11	0.11	0.10	0.09	0.10	0.11	0.11	0.12	0.13	5.2%	-1.5%	0.1%
Total S. & Cent. America	5.48	5.78	5.91	6.14	6.26	6.34	6.41	6.40	6.53	6.34	6.25	-1.5%	1.1%	4.4%
Denmark	0.32	0.31	0.25	0.22	0.18	0.17	0.17	0.17	0.18	0.15	0.12	-25.4%	-8.5%	0.1%
Germany	0.46	0.40	0.38	0.34	0.31	0.29	0.27	0.25	0.23	0.20	0.19	-3.8%	-8.6%	0.1%
Italy	0.27	0.29	0.29	0.30	0.27	0.25	0.23	0.20	0.19	0.19	0.17	-10.9%	-5.2%	0.1%
Netherlands	2.36	2.71	2.50	2.46	2.61	2.17	1.65	1.59	1.39	1.16	1.01	-13.0%	-7.6%	0.7%
Norway	3.73	3.83	3.62	4.10	3.89	3.89	4.18	4.17	4.44	4.37	4.12	-5.7%	2.0%	2.9%
Poland	0.15	0.15	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.1%	-0.7%	0.1%
Romania	0.37	0.36	0.36	0.36	0.36	0.37	0.37	0.33	0.36	0.36	0.35	-2.8%	-0.5%	0.2%
Ukraine	0.73	0.70	0.70	0.70	0.73	0.73	0.68	0.68	0.70	0.71	0.71	-0.5%	-0.3%	0.5%
United Kingdom	2.20	2.08	1.66	1.41	1.33	1.35	1.46	1.50	1.51	1.46	1.43	-2.2%	-5.7%	1.0%
Other Europe	0.33	0.34	0.33	0.30	0.26	0.23	0.22	0.31	0.32	0.30	0.27	-12.9%	-1.1%	0.2%
Total Europe	10.93	11.17	10.25	10.35	10.08	9.60	9.39	9.36	9.46	9.04	8.49	-6.1%	-2.4%	5.9%
Azerbaijan	0.57	0.59	0.57	0.61	0.63	0.66	0.68	0.66	0.64	0.69	0.88	27.7%	1.8%	0.6%
Kazakhstan	0.68	0.74	0.72	0.71	0.77	0.78	0.79	0.83	0.84	0.86	0.84	-2.2%	2.7%	0.6%
Russian Federation	19.30	21.54	22.21	21.67	22.12	21.28	21.04	21.21	22.88	24.09	24.45	1.5%	0.9%	17.0%
Turkmenistan	1.20	1.44	2.03	2.12	2.12	2.29	2.37	2.28	2.11	2.21	2.27	2.7%	♦	1.6%
Uzbekistan	2.10	2.06	2.04	2.03	2.01	2.03	1.93	1.91	1.92	2.06	2.03	-1.6%	-0.7%	1.4%
Other CIS	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.0%	0.2%	♦
Total CIS	23.87	26.38	27.58	27.16	27.67	27.05	26.82	26.90	28.41	29.92	30.47	1.9%	0.8%	21.2%
Bahrain	0.44	0.45	0.45	0.47	0.50	0.53	0.53	0.52	0.52	0.53	0.61	15.4%	2.0%	0.4%
Iran	4.89	5.18	5.44	5.65	5.67	6.32	6.61	7.18	7.90	8.58	8.79	2.4%	6.8%	6.1%
Iraq	0.25	0.26	0.23	0.23	0.25	0.27	0.26	0.36	0.36	0.38	0.39	1.9%	5.1%	0.3%
Kuwait	0.39	0.40	0.46	0.53	0.56	0.51	0.58	0.59	0.58	0.61	0.66	9.2%	3.4%	0.5%
Oman	0.86	0.93	0.98	1.02	1.11	1.06	1.11	1.13	1.16	1.30	1.31	0.9%	4.1%	0.9%
Qatar	3.33	4.43	5.41	5.85	6.05	6.10	6.30	6.25	6.07	6.35	6.41	0.9%	8.3%	4.5%
Saudi Arabia	2.68	3.00	3.16	3.40	3.42	3.50	3.57	3.79	3.93	4.04	4.09	1.4%	3.9%	2.8%
Syria	0.22	0.30	0.27	0.22	0.18	0.17	0.15	0.13	0.13	0.13	0.13	3.6%	-4.3%	0.1%
United Arab Emirates	1.71	1.80	1.84	1.91	1.92	1.90	2.11	2.17	2.24	2.21	2.25	1.9%	2.3%	1.6%
Yemen	0.03	0.23	0.34	0.27	0.37	0.35	0.10	0.02	0.02	0.02	0.02	0.8%	n/a	♦
Other Middle East	0.10	0.12	0.15	0.09	0.23	0.26	0.29	0.33	0.34	0.36	0.37	0.1%	11.3%	0.3%
Total Middle East	14.90	17.09	18.72	19.64	20.26	20.98	21.61	22.46	23.28	24.51	25.03	2.1%	5.7%	17.4%
Algeria	2.76	2.79	2.87	2.82	2.86	2.89	2.93	3.29	3.35	3.38	3.10	-8.1%	1.3%	2.2%
Egypt	2.17	2.12	2.13	2.11	1.94	1.69	1.53	1.45	1.76	2.11	2.34	10.9%	0.3%	1.6%
Libya	0.54	0.58	0.27	0.42	0.44	0.43	0.40	0.34	0.31	0.30	0.34	14.0%	-5.8%	0.2%
Nigeria	0.83	1.11	1.31	1.41	1.19	1.44	1.71	1.53	1.70	1.74	1.77	2.1%	3.9%	1.2%
Other Africa	0.61	0.69	0.69	0.68	0.71	0.71	0.77	0.80	0.96	0.98	1.01	2.7%	5.1%	0.7%
Total Africa	6.92	7.28	7.26	7.44	7.14	7.15	7.34	7.41	8.07	8.50	8.57	0.7%	1.5%	6.0%
Australia	1.68	1.94	2.00	2.14	2.22	2.40	2.74	3.47	4.06	4.68	5.52	18.0%	12.1%	3.8%
Bangladesh	0.67	0.69	0.70	0.77	0.79	0.83	0.93	0.95	0.96	0.96	1.03	8.0%	5.0%	0.7%
Brunei	0.40	0.43	0.45	0.44	0.43	0.46	0.48	0.47	0.46	0.45	0.47	3.3%	0.6%	0.3%
China	3.09	3.48	3.82	4.01	4.39	4.72	4.88	4.97	5.37	5.82	6.39	9.9%	7.2%	4.5%
India	1.30	1.71	1.55	1.34	1.12	1.06	1.01	0.96	1.00	0.99	0.97	-2.1%	-0.7%	0.7%
Indonesia	2.81	3.13	2.98	2.82	2.79	2.75	2.74	2.70	2.62	2.62	2.43	-7.2%	-0.3%	1.7%
Malaysia	2.38	2.34	2.41	2.49	2.61	2.60	2.77	2.76	2.82	2.78	2.84	2.0%	1.1%	2.0%
Myanmar	0.41	0.44	0.45	0.45	0.46	0.60	0.69	0.66	0.64	0.61	0.61	-	3.4%	0.4%
Pakistan	1.25	1.27	1.27	1.32	1.28	1.26	1.26	1.25	1.25	1.23	1.22	-1.0%	-0.1%	0.8%
Thailand	1.06	1.21	1.22	1.38	1.40	1.41	1.35	1.34	1.29	1.25	1.29	3.0%	1.5%	0.9%
Vietnam	0.28	0.33	0.29	0.32	0.34	0.35	0.37	0.37	0.34	0.35	0.35	2.0%	2.9%	0.2%
Other Asia Pacific	0.67	0.65	0.66	0.65	0.67	0.85	1.06	1.09	1.09	1.01	1.07	5.5%	4.4%	0.7%
Total Asia Pacific	16.01	17.63	17.81	18.14	18.51	19.28	20.28	20.98	21.90	22.75	24.20	6.3%	4.0%	16.8%
Total World	105.66	113.26	117.07	119.48	120.88	123.33	126.02	127.45	132.21	138.87	143.62	3.4%	2.4%	100.0%
of which: OECD	39.42	40.38	41.11	42.37	42.65	44.35	45.77	46.33	47.64	51.09	54.22	6.1%	2.6%	37.8%
Non-OECD	66.24	72.88	75.96	77.11	78.23	78.98	80.25	81.12	84.57	87.78	89.39	1.8%	2.4%	62.2%
European Union	6.44	6.60	5.89	5.51	5.43	4.94	4.50	4.47	4.29	3.94	3.63	-7.7%	-5.8%	2.5%

*Excludes gas flared or recycled. Includes natural gas produced for gas-to-liquids transformation.

♦Less than 0.05%.

n/a not available.

Note: Annual changes and shares of total are calculated using exajoules figures.

Source: includes data from Cedigaz, FGE MENAgas service.

Natural gas: Consumption in billion cubic metres*

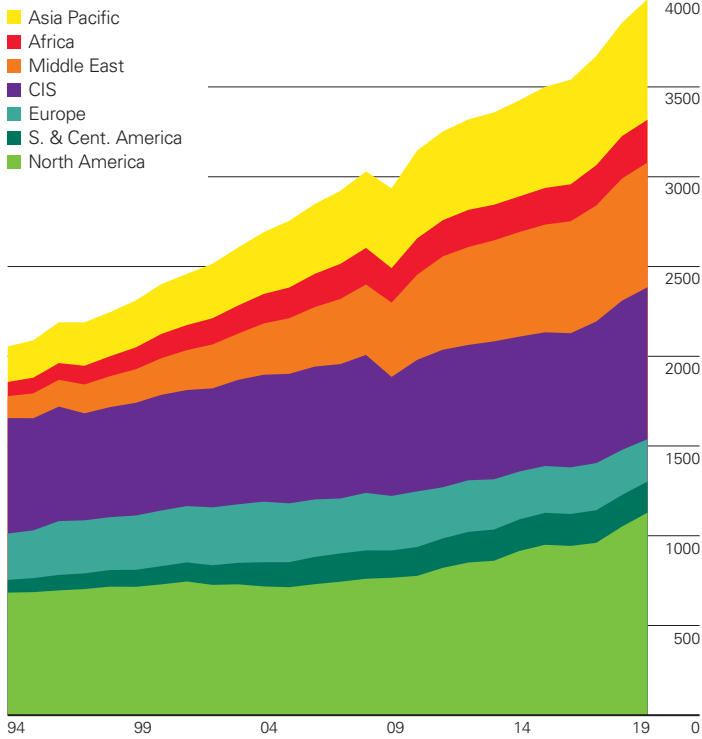
Billion cubic metres	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	86.6	88.3	97.5	97.2	104.3	109.6	109.8	106.2	109.3	118.3	120.3	1.7%	2.8%	3.1%
Mexico	65.2	66.0	70.8	73.7	77.8	78.8	80.8	83.0	86.0	87.6	90.7	3.5%	3.9%	2.3%
US	617.6	648.2	658.2	688.1	707.0	722.3	743.6	749.1	740.0	819.9	846.6	3.3%	2.7%	21.5%
Total North America	769.4	802.5	826.6	859.0	889.1	910.7	934.1	938.3	935.3	1025.8	1057.6	3.1%	2.8%	26.9%
Argentina	41.8	42.1	43.8	45.7	46.0	46.2	46.7	48.2	48.3	48.7	47.5	-2.5%	1.2%	1.2%
Brazil	20.7	27.6	27.5	32.6	38.4	40.7	42.9	37.1	37.6	35.9	35.8	-0.2%	3.4%	0.9%
Chile	2.8	5.7	5.8	5.3	5.3	4.4	4.8	5.9	5.6	6.4	6.5	1.1%	8.8%	0.2%
Colombia	8.4	8.7	8.5	9.5	10.5	11.4	11.2	12.1	12.4	13.2	13.4	1.8%	6.1%	0.3%
Ecuador	0.6	0.6	0.6	0.7	0.9	0.9	0.8	0.9	0.8	0.7	0.6	-10.6%	3.6%	♦
Peru	3.3	5.4	6.3	6.9	6.7	7.4	7.6	8.5	7.5	8.0	8.3	3.7%	9.4%	0.2%
Trinidad & Tobago	19.1	20.7	20.5	20.2	20.4	20.5	19.6	16.9	18.3	17.4	17.5	1.0%	-1.0%	0.4%
Venezuela	34.2	31.3	33.3	34.6	32.3	34.0	37.0	37.2	38.6	31.6	26.5	-16.3%	-1.0%	0.7%
Other S. & Cent. America	4.9	5.1	5.8	6.3	6.9	7.2	7.1	7.3	7.2	8.0	9.2	14.7%	5.4%	0.2%
Total S. & Cent. America	135.8	147.3	152.1	161.8	167.3	172.6	177.8	174.2	176.3	169.9	165.4	-2.7%	1.9%	4.2%
Austria	8.8	9.6	9.0	8.6	8.2	7.5	8.0	8.3	9.1	8.7	8.9	2.5%	-0.4%	0.2%
Belgium	17.6	19.4	16.5	16.7	16.5	14.5	15.8	16.2	16.4	16.9	17.4	3.0%	-0.3%	0.4%
Czech Republic	7.9	9.4	7.9	8.0	8.1	7.2	7.5	8.2	8.4	8.0	8.3	4.3%	-0.4%	0.2%
Finland	3.7	4.1	3.6	3.2	3.0	2.7	2.3	2.0	1.8	2.1	2.0	-3.8%	-6.7%	0.1%
France	44.7	49.6	43.0	44.4	45.1	37.9	40.8	44.5	44.8	42.7	43.4	1.7%	-0.8%	1.1%
Germany	84.4	88.1	80.9	81.1	85.0	73.9	77.0	84.9	87.7	85.9	88.7	3.3%	-0.4%	2.3%
Greece	3.4	3.7	4.6	4.2	3.7	2.8	3.1	4.0	4.8	4.7	5.1	9.0%	1.5%	0.1%
Hungary	10.6	11.4	10.9	9.7	9.1	8.1	8.7	9.3	9.9	9.6	9.8	2.0%	-2.4%	0.2%
Italy	74.3	79.1	74.2	71.4	66.7	59.0	64.3	67.5	71.6	69.2	70.8	2.3%	-1.5%	1.8%
Netherlands	41.4	46.8	40.9	39.3	39.1	34.5	34.1	35.2	36.2	35.4	36.8	4.2%	-1.3%	0.9%
Norway	4.1	4.1	4.0	4.0	4.0	4.3	4.5	4.4	4.6	4.5	4.5	0.2%	0.4%	0.1%
Poland	15.1	16.2	16.5	17.4	17.4	17.0	17.1	18.3	19.2	19.9	20.4	2.3%	2.4%	0.5%
Portugal	4.8	5.2	5.3	4.6	4.3	4.1	4.8	5.1	6.3	5.8	6.1	5.7%	1.9%	0.2%
Romania	12.3	12.5	12.9	12.5	11.4	10.9	10.4	10.5	11.3	11.6	10.9	-5.9%	-2.0%	0.3%
Spain	36.3	36.2	33.6	33.2	30.3	27.5	28.5	29.1	31.7	31.5	36.1	14.8%	-2.5%	0.9%
Sweden	1.1	1.5	1.2	1.1	1.0	0.8	0.9	1.0	1.0	1.0	1.0	3.2%	1.7%	♦
Switzerland	3.1	3.5	3.1	3.4	3.6	3.1	3.3	3.5	3.5	3.3	3.4	2.4%	0.2%	0.1%
Turkey	33.7	35.8	41.8	43.3	44.0	46.6	46.0	44.5	51.6	47.2	43.2	-8.5%	3.0%	1.1%
Ukraine	48.9	54.6	56.1	51.8	47.7	40.3	32.0	31.4	30.2	30.6	28.2	-7.7%	-6.9%	0.7%
United Kingdom	91.2	98.5	81.9	76.9	76.3	70.1	72.0	80.7	78.6	79.3	78.8	-0.5%	-2.1%	2.0%
Other Europe	29.8	33.5	32.3	30.7	29.7	27.2	28.1	28.9	30.3	30.2	30.1	-0.4%	-1.2%	0.8%
Total Europe	577.4	622.9	580.4	565.7	554.4	500.0	509.2	537.4	558.9	548.0	554.1	1.1%	-1.3%	14.1%
Azerbaijan	8.6	8.1	8.9	9.4	9.4	9.9	11.1	10.9	10.6	10.8	11.8	9.0%	0.8%	0.3%
Belarus	16.9	20.7	19.2	19.4	19.3	19.1	17.9	17.8	18.2	19.3	19.3	-0.3%	-0.3%	0.5%
Kazakhstan	10.1	11.0	12.2	13.0	13.6	15.0	15.3	15.8	16.8	19.0	17.9	-5.8%	6.0%	0.5%
Russian Federation	397.8	423.9	435.6	428.6	424.9	422.2	408.7	420.6	431.1	454.5	444.3	-2.2%	0.7%	11.3%
Turkmenistan	17.1	18.3	20.7	22.9	19.3	20.0	25.4	25.1	24.8	28.4	31.5	11.1%	13.7%	0.8%
Uzbekistan	44.1	44.0	47.4	46.2	46.2	48.5	46.3	43.3	43.1	44.4	43.4	-2.2%	0.1%	1.1%
Other CIS	5.3	5.2	5.5	5.7	4.8	5.3	5.2	5.1	5.1	5.9	5.5	-6.0%	-0.1%	0.1%
Total CIS	499.9	531.3	549.5	545.2	537.3	539.9	530.0	538.8	549.6	582.3	573.7	-1.5%	1.1%	14.6%
Iran	134.8	144.4	153.2	152.5	153.8	173.4	184.0	196.3	209.1	224.1	223.6	-0.2%	5.9%	5.7%
Iraq	6.9	7.1	6.3	6.3	7.1	7.5	7.3	9.9	11.4	14.6	19.9	36.5%	8.5%	0.5%
Israel	4.0	5.1	4.7	2.4	6.6	7.2	8.1	9.2	9.9	10.5	10.8	2.4%	11.3%	0.3%
Kuwait	11.8	14.0	15.9	17.5	17.8	17.9	20.3	21.1	21.0	21.2	23.5	11.2%	5.8%	0.6%
Oman	13.7	16.3	18.1	19.7	21.7	21.3	23.0	22.8	23.3	25.0	25.0	0.1%	6.5%	0.6%
Qatar	21.3	25.4	28.7	33.6	35.5	38.5	42.4	40.2	39.9	41.4	41.1	-0.7%	7.2%	1.0%
Saudi Arabia	74.5	83.3	87.6	94.4	95.0	97.3	99.2	105.3	109.3	112.1	113.6	1.4%	3.9%	2.9%
United Arab Emirates	57.6	59.3	61.6	63.9	64.7	63.4	71.5	72.7	74.7	74.4	76.0	2.2%	2.5%	1.9%
Other Middle East	22.7	25.2	21.9	20.4	21.0	20.9	22.4	23.0	23.5	22.6	24.8	9.9%	0.9%	0.6%
Total Middle East	347.3	380.1	398.1	410.8	423.3	447.5	478.3	500.7	522.2	545.8	558.4	2.3%	4.9%	14.2%
Algeria	26.2	25.3	26.8	29.9	32.1	36.1	37.9	38.6	39.5	43.4	45.2	4.2%	5.9%	1.2%
Egypt	40.9	43.4	47.8	50.6	49.5	46.2	46.0	49.4	55.9	59.6	58.9	-1.1%	4.2%	1.5%
Morocco	0.6	0.7	0.9	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	-5.2%	5.8%	♦
South Africa	3.3	4.1	4.3	4.4	4.1	4.3	4.3	4.5	4.4	4.5	4.3	-4.2%	1.3%	0.1%
Other Africa	24.5	25.4	27.5	29.1	29.8	32.2	39.1	38.4	39.1	40.3	40.7	0.9%	4.3%	1.0%
Total Africa	95.6	98.9	107.2	115.1	116.6	119.9	128.5	132.0	140.1	148.8	150.1	0.9%	4.6%	3.8%
Australia	29.1	33.8	35.3	35.4	37.2	40.1	42.1	41.7	41.2	41.4	53.7	29.7%	3.8%	1.4%
Bangladesh	18.7	19.3	19.6	21.3	22.0	23.0	25.9	26.5	26.6	27.4	34.4	25.3%	5.3%	0.9%
China	90.2	108.9	135.2	150.9	171.9	188.4	194.7	209.4	240.4	283.0	307.3	8.6%	13.2%	7.8%
China Hong Kong SAR	2.9	3.6	2.9	2.6	2.5	2.4	3.0	3.1	3.1	3.0	3.1	3.3%	0.1%	0.1%
India	49.1	59.0	60.3	55.7	49.0	48.5	47.8	50.8	53.7	58.1	59.7	2.7%	3.8%	1.5%
Indonesia	42.1	44.0	42.7	43.0	44.5	44.0	45.8	44.6	43.2	44.5	43.8	-1.6%	1.2%	1.1%
Japan	92.5	99.9	112.0	123.2	123.5	124.8	118.7	116.4	117.0	115.7	108.1	-6.6%	1.6%	2.8%
Malaysia	40.0	38.0	38.3	42.0	44.6	44.7	46.8	45.0	45.0	41.0	42.3	3.1%	-0.6%	1.1%
New Zealand	4.0	4.4	4.0	4.5	4.7	5.2	4.9	4.8	4.9	4.4	4.8	8.9%	1.2%	0.1%
Pakistan	34.7	35.3	35.3	36.6	35.6	35.0	36.5	38.7	40.7	43.6	45.7	4.8%	2.3%	1.2%
Philippines	3.7	3.5	3.8	3.6	3.4	3.5	3.3	3.8	3.8	4.1	4.1	-0.2%	1.0%	0.1%
Singapore	9.2	8.3	8.3	8.9	10.0	10.4	11.6	11.9	12.3	12.3	12.7	3.7%	3.5%	0.3%
South Korea	35.5	45.0	48.4	52.5	55.0	50.0	45.6	47.6	49.8	57.8	56.0	-3.2%	4.5%	1.4%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Taiwan	12.5	15.5	17.0	17.9	17.9	18.9	20.2	21.0	23.2	23.7	23.3	-1.7%	6.4%	0.6%
Thailand	38.1	43.2	44.3	48.6	48.9	49.9	51.0	50.6	50.1	50.0	50.8	1.6%	3.1%	1.3%
Vietnam	7.7	9.1												

Natural gas: Consumption in exajoules*

Exajoules	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	3.12	3.18	3.51	3.50	3.75	3.95	3.95	3.82	3.94	4.26	4.33	1.7%	2.8%	3.1%
Mexico	2.35	2.38	2.55	2.65	2.80	2.84	2.91	2.99	3.10	3.15	3.26	3.5%	3.9%	2.3%
US	22.23	23.33	23.70	24.77	25.45	26.00	26.77	26.97	26.64	29.52	30.48	3.3%	2.7%	21.5%
Total North America	27.70	28.89	29.76	30.92	32.01	32.79	33.63	33.78	33.67	36.93	38.07	3.1%	2.8%	26.9%
Argentina	1.51	1.52	1.58	1.64	1.66	1.66	1.68	1.74	1.74	1.75	1.71	-2.5%	1.2%	1.2%
Brazil	0.74	0.99	0.99	1.17	1.38	1.46	1.55	1.34	1.35	1.29	1.29	-0.2%	3.4%	0.9%
Chile	0.10	0.21	0.21	0.19	0.19	0.16	0.17	0.21	0.20	0.23	0.23	1.1%	8.8%	0.2%
Colombia	0.30	0.31	0.31	0.34	0.38	0.41	0.40	0.44	0.45	0.48	0.48	1.8%	6.1%	0.3%
Ecuador	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	-10.6%	3.6%	♦
Peru	0.12	0.20	0.23	0.25	0.24	0.27	0.28	0.31	0.27	0.29	0.30	3.7%	9.4%	0.2%
Trinidad & Tobago	0.69	0.75	0.74	0.73	0.73	0.74	0.71	0.61	0.66	0.63	0.63	1.0%	-1.0%	0.4%
Venezuela	1.23	1.13	1.20	1.25	1.16	1.22	1.33	1.34	1.39	1.14	0.95	-16.3%	-1.0%	0.7%
Other S. & Cent. America	0.18	0.18	0.21	0.23	0.25	0.26	0.26	0.26	0.26	0.29	0.33	14.7%	5.4%	0.2%
Total S. & Cent. America	4.89	5.30	5.48	5.82	6.02	6.21	6.40	6.27	6.35	6.12	5.95	-2.7%	1.9%	4.2%
Austria	0.32	0.35	0.33	0.31	0.30	0.27	0.29	0.30	0.33	0.31	0.32	2.5%	-0.4%	0.2%
Belgium	0.63	0.70	0.59	0.60	0.60	0.52	0.57	0.58	0.59	0.61	0.63	3.0%	-0.3%	0.4%
Czech Republic	0.28	0.34	0.29	0.29	0.29	0.26	0.27	0.29	0.30	0.29	0.30	4.3%	-0.4%	0.2%
Finland	0.13	0.15	0.13	0.12	0.11	0.10	0.08	0.07	0.07	0.08	0.07	-3.8%	-6.7%	0.1%
France	1.61	1.78	1.55	1.60	1.63	1.36	1.47	1.60	1.61	1.54	1.56	1.7%	-0.8%	1.1%
Germany	3.04	3.17	2.91	2.92	3.06	2.66	2.77	3.06	3.16	3.09	3.19	3.3%	-0.4%	2.3%
Greece	0.12	0.13	0.17	0.15	0.13	0.10	0.11	0.14	0.17	0.17	0.19	9.0%	1.5%	0.1%
Hungary	0.38	0.41	0.39	0.35	0.33	0.29	0.31	0.34	0.36	0.35	0.35	2.0%	-2.4%	0.2%
Italy	2.68	2.85	2.67	2.57	2.40	2.12	2.32	2.43	2.58	2.49	2.55	2.3%	-1.5%	1.8%
Netherlands	1.49	1.68	1.47	1.41	1.41	1.24	1.23	1.27	1.30	1.27	1.33	4.2%	-1.3%	0.9%
Norway	0.15	0.15	0.14	0.14	0.14	0.15	0.16	0.16	0.17	0.16	0.16	0.2%	0.4%	0.1%
Poland	0.54	0.58	0.59	0.63	0.63	0.61	0.62	0.66	0.69	0.72	0.73	2.3%	2.4%	0.5%
Portugal	0.17	0.19	0.19	0.16	0.16	0.15	0.17	0.18	0.23	0.21	0.22	5.7%	1.9%	0.2%
Romania	0.44	0.45	0.46	0.45	0.41	0.39	0.37	0.38	0.41	0.42	0.39	-5.9%	-2.0%	0.3%
Spain	1.31	1.30	1.21	1.20	1.09	0.99	1.03	1.05	1.14	1.13	1.30	14.8%	-2.5%	0.9%
Sweden	0.04	0.06	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.04	3.2%	1.7%	♦
Switzerland	0.11	0.13	0.11	0.12	0.13	0.11	0.12	0.13	0.13	0.12	0.12	2.4%	0.2%	0.1%
Turkey	1.21	1.29	1.51	1.56	1.58	1.68	1.65	1.60	1.86	1.70	1.56	-8.5%	3.0%	1.1%
Ukraine	1.76	1.96	2.02	1.87	1.72	1.45	1.15	1.13	1.09	1.10	1.02	-7.7%	-6.9%	0.7%
United Kingdom	3.28	3.55	2.95	2.77	2.75	2.52	2.59	2.90	2.83	2.85	2.84	-0.5%	-2.1%	2.0%
Other Europe	1.07	1.21	1.16	1.11	1.07	0.98	1.01	1.04	1.09	1.09	1.08	-0.4%	-1.2%	0.8%
Total Europe	20.79	22.43	20.89	20.37	19.96	18.00	18.33	19.35	20.12	19.73	19.95	1.1%	-1.3%	14.1%
Azerbaijan	0.31	0.29	0.32	0.34	0.34	0.35	0.40	0.39	0.38	0.39	0.42	9.0%	0.8%	0.3%
Belarus	0.61	0.75	0.69	0.70	0.69	0.69	0.64	0.64	0.66	0.70	0.69	-0.3%	-0.3%	0.5%
Kazakhstan	0.37	0.40	0.44	0.47	0.49	0.54	0.55	0.57	0.60	0.68	0.64	-5.8%	6.0%	0.5%
Russian Federation	14.32	15.26	15.68	15.43	15.30	15.20	14.71	15.14	15.52	16.36	16.00	-2.2%	0.7%	11.3%
Turkmenistan	0.62	0.66	0.75	0.83	0.70	0.72	0.91	0.90	0.89	1.02	1.14	11.1%	13.7%	0.8%
Uzbekistan	1.59	1.59	1.70	1.66	1.66	1.75	1.67	1.56	1.55	1.60	1.56	-2.2%	0.1%	1.1%
Other CIS	0.19	0.19	0.20	0.21	0.17	0.19	0.19	0.19	0.18	0.21	0.20	-6.0%	-0.1%	0.1%
Total CIS	18.00	19.13	19.78	19.63	19.34	19.44	19.08	19.40	19.79	20.96	20.65	-1.5%	1.1%	14.6%
Iran	4.85	5.20	5.51	5.49	5.54	6.24	6.62	7.07	7.53	8.07	8.05	-0.2%	5.9%	5.7%
Iraq	0.25	0.26	0.23	0.23	0.25	0.27	0.26	0.36	0.41	0.53	0.72	36.5%	8.5%	0.5%
Israel	0.14	0.18	0.17	0.09	0.24	0.26	0.29	0.33	0.36	0.38	0.39	2.4%	11.3%	0.3%
Kuwait	0.43	0.50	0.57	0.63	0.64	0.64	0.73	0.76	0.76	0.76	0.85	11.2%	5.8%	0.6%
Oman	0.49	0.59	0.65	0.71	0.78	0.77	0.83	0.82	0.84	0.90	0.90	0.1%	6.5%	0.6%
Qatar	0.77	0.91	1.03	1.21	1.28	1.39	1.53	1.45	1.44	1.49	1.48	-0.7%	7.2%	1.0%
Saudi Arabia	2.68	3.00	3.16	3.40	3.42	3.50	3.57	3.79	3.93	4.04	4.09	1.4%	3.9%	2.9%
United Arab Emirates	2.07	2.13	2.22	2.30	2.33	2.28	2.58	2.62	2.69	2.68	2.74	2.2%	2.5%	1.9%
Other Middle East	0.82	0.91	0.79	0.73	0.76	0.75	0.81	0.83	0.85	0.81	0.89	9.9%	0.9%	0.6%
Total Middle East	12.50	13.68	14.33	14.79	15.24	16.11	17.22	18.03	18.80	19.65	20.10	2.3%	4.9%	14.2%
Algeria	0.94	0.91	0.96	1.08	1.16	1.30	1.37	1.39	1.42	1.56	1.63	4.2%	5.9%	1.2%
Egypt	1.47	1.56	1.72	1.82	1.78	1.66	1.66	1.78	2.01	2.15	2.12	-1.1%	4.2%	1.5%
Morocco	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-5.2%	5.8%	♦
South Africa	0.12	0.15	0.15	0.16	0.15	0.15	0.16	0.16	0.16	0.16	0.15	-4.2%	1.3%	0.1%
Other Africa	0.88	0.91	0.99	1.05	1.07	1.16	1.41	1.38	1.41	1.45	1.46	0.9%	4.3%	1.0%
Total Africa	3.44	3.56	3.86	4.14	4.20	4.32	4.62	4.75	5.04	5.36	5.40	0.9%	4.6%	3.8%
Australia	1.05	1.22	1.27	1.27	1.34	1.44	1.52	1.50	1.48	1.49	1.93	29.7%	3.8%	1.4%
Bangladesh	0.67	0.69	0.70	0.77	0.79	0.83	0.93	0.95	0.96	0.99	1.24	25.3%	5.3%	0.9%
China	3.25	3.92	4.87	5.43	6.19	6.78	7.01	7.54	8.66	10.19	11.06	8.6%	13.2%	7.8%
China Hong Kong SAR	0.10	0.13	0.10	0.09	0.09	0.09	0.11	0.11	0.11	0.11	0.11	3.3%	0.1%	0.1%
India	1.77	2.12	2.17	2.01	1.76	1.75	1.72	1.83	1.93	2.09	2.15	2.7%	3.8%	1.5%
Indonesia	1.52	1.59	1.54	1.55	1.60	1.59	1.65	1.61	1.56	1.60	1.58	-1.6%	1.2%	1.1%
Japan	3.33	3.60	4.03	4.44	4.45	4.49	4.27	4.19	4.21	4.17	3.89	-6.6%	1.6%	2.8%
Malaysia	1.44	1.37	1.38	1.51	1.60	1.61	1.69	1.62	1.62	1.48	1.52	3.1%	-0.6%	1.1%
New Zealand	0.14	0.16	0.14	0.16	0.17	0.19	0.18	0.17	0.18	0.16	0.17	8.9%	1.2%	0.1%
Pakistan	1.25	1.27	1.27	1.32	1.28	1.26	1.32	1.39	1.47	1.57	1.64	4.8%	2.3%	1.2%
Philippines	0.13	0.13	0.14	0.13	0.12	0.13	0.12	0.14	0.14	0.15	0.15	-0.2%	1.0%	0.1%
Singapore	0.33	0.30	0.30	0.32	0.36	0.37	0.42	0.43	0.44	0.44	0.46	3.7%	3.5%	0.3%
South Korea	1.28	1.62	1.74	1.89	1.98	1.80	1.64	1.72	1.79	2.08	2.01	-3.2%	4.5%	1.4%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Taiwan	0.45	0.56	0.61	0.64	0.65	0.68	0.73	0.75	0.84	0.85	0.84	-1.7%	6.4%	0.6%
Thailand														

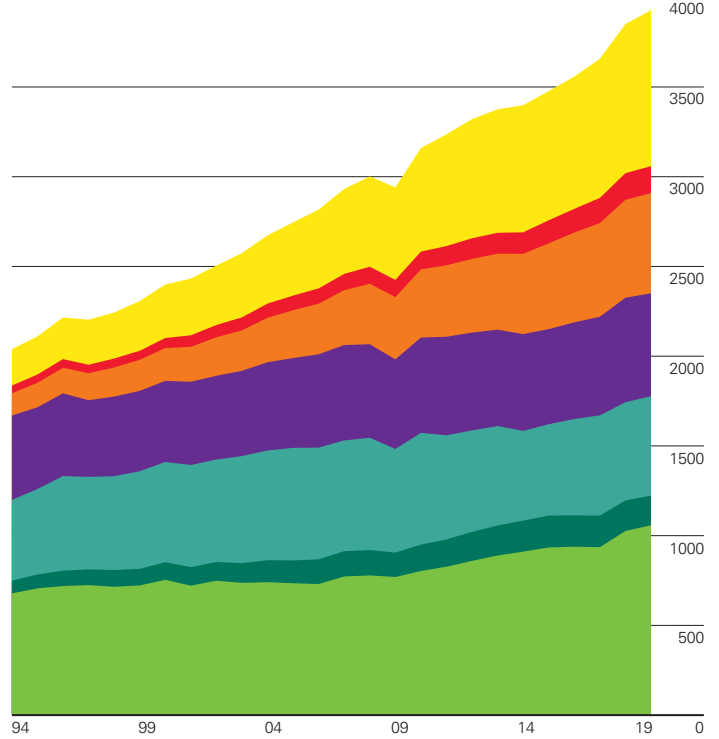
Natural gas: Production by region

Billion cubic metres



Natural gas: Consumption by region

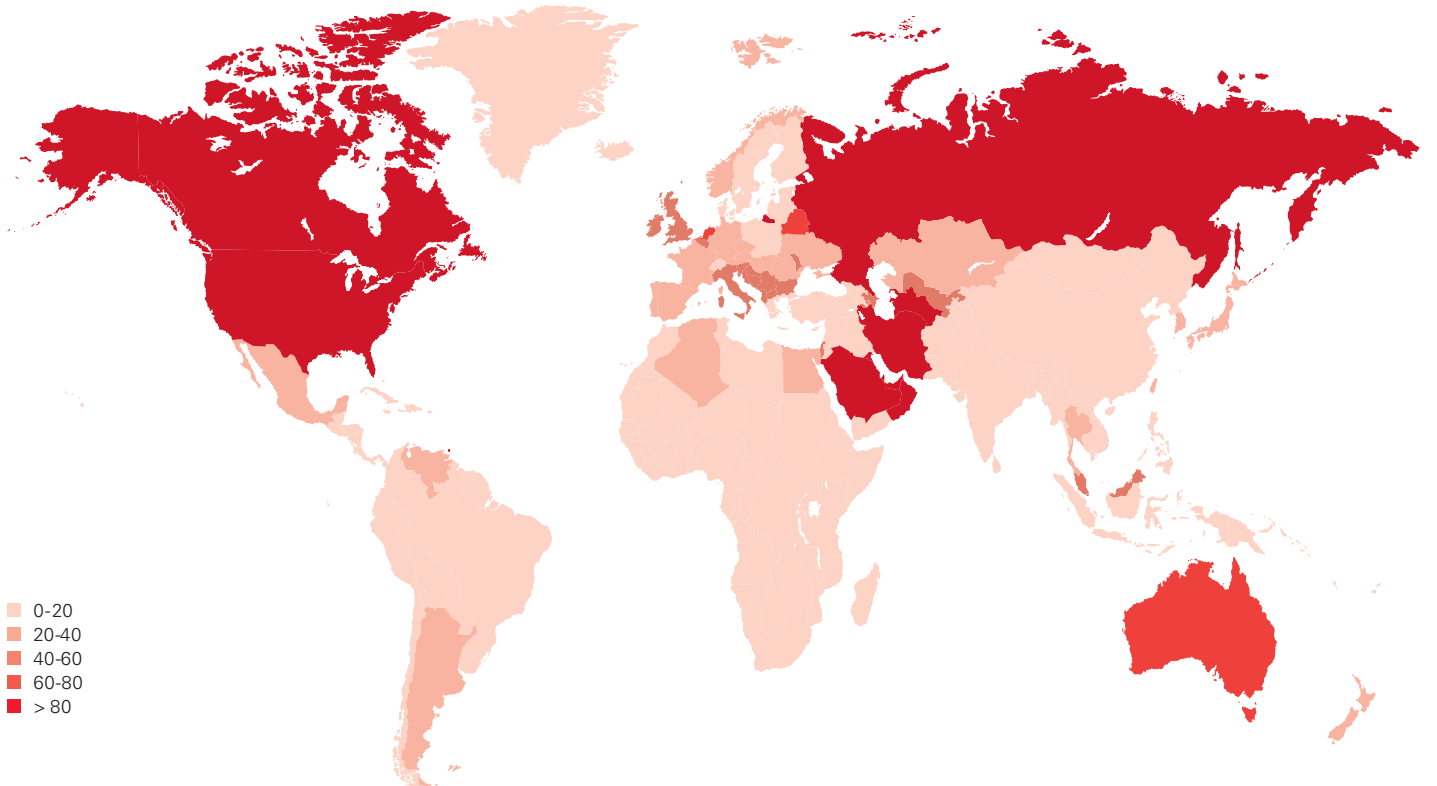
Billion cubic metres



Natural gas consumption increased by 78 billion cubic metres (bcm), or 2%, well below the strong growth seen in 2018 (5.3%). Growth was driven by the US (27 bcm) and China (24 bcm), while Russia and Japan saw the largest declines (10 and 8 bcm respectively). Gas production grew by 132 bcm (3.4%), with the US accounting for almost two-thirds of this increase (85 bcm). Australia (23 bcm) and China (16 bcm) were also key contributors to growth.

Natural gas: Consumption per capita 2019

GJ per capita



- 0-20
- 20-40
- 40-60
- 60-80
- > 80

Prices

US dollars per million Btu	LNG		Natural gas					Crude oil OECD countries CIF ⁶
	Japan CIF ¹	Japan Korea Marker (JKM) ²	Average German Import Price ³	UK (Heren NBP Index) ⁴	Netherlands TTF (DA Heren Index) ⁴	US Henry Hub ⁵	Canada (Alberta) ⁵	
1989	3.28	-	2.00	-	-	1.70	-	3.01
1990	3.64	-	2.78	-	-	1.64	1.05	3.82
1991	3.99	-	3.23	-	-	1.49	0.89	3.33
1992	3.62	-	2.70	-	-	1.77	0.98	3.19
1993	3.52	-	2.51	-	-	2.12	1.69	2.82
1994	3.18	-	2.35	-	-	1.92	1.45	2.70
1995	3.46	-	2.43	-	-	1.69	0.89	2.96
1996	3.66	-	2.50	1.87	-	2.76	1.12	3.54
1997	3.91	-	2.66	1.96	-	2.53	1.36	3.29
1998	3.05	-	2.33	1.86	-	2.08	1.42	2.16
1999	3.14	-	1.86	1.58	-	2.27	2.00	2.98
2000	4.72	-	2.91	2.71	-	4.23	3.75	4.83
2001	4.64	-	3.67	3.17	-	4.07	3.61	4.08
2002	4.27	-	3.21	2.37	-	3.33	2.57	4.17
2003	4.77	-	4.06	3.33	-	5.63	4.83	4.89
2004	5.18	-	4.30	4.46	-	5.85	5.03	6.27
2005	6.05	-	5.83	7.38	6.07	8.79	7.25	8.74
2006	7.14	-	7.87	7.87	7.46	6.76	5.83	10.66
2007	7.73	-	7.99	6.01	5.93	6.95	6.17	11.95
2008	12.55	-	11.60	10.79	10.66	8.85	7.99	16.76
2009	9.06	5.28	8.53	4.85	4.96	3.89	3.38	10.41
2010	10.91	7.72	8.03	6.56	6.77	4.39	3.69	13.47
2011	14.73	14.02	10.49	9.04	9.26	4.01	3.47	18.55
2012	16.75	15.12	10.93	9.46	9.45	2.76	2.27	18.82
2013	16.17	16.56	10.73	10.64	9.75	3.71	2.93	18.25
2014	16.33	13.86	9.11	8.25	8.14	4.35	3.87	16.80
2015	10.31	7.45	6.72	6.53	6.44	2.60	2.01	8.77
2016	6.94	5.72	4.93	4.69	4.54	2.46	1.55	7.04
2017	8.10	7.13	5.62	5.80	5.72	2.96	1.60	8.97
2018	10.05	9.76	6.62	8.06	7.90	3.13	1.12	11.68
2019	9.94	5.49	5.25	4.47	4.45	2.53	1.27	10.82

¹Source: EDMC Energy Trend.

²Source: S&P Global Platts ©2020, S&P Global Inc.

³Source: 1986-1990 German Federal Statistical Office, 1991-2019 German Federal Office of Economics and Export Control (BAFA).

⁴Source: ICIS Heren Energy Ltd.

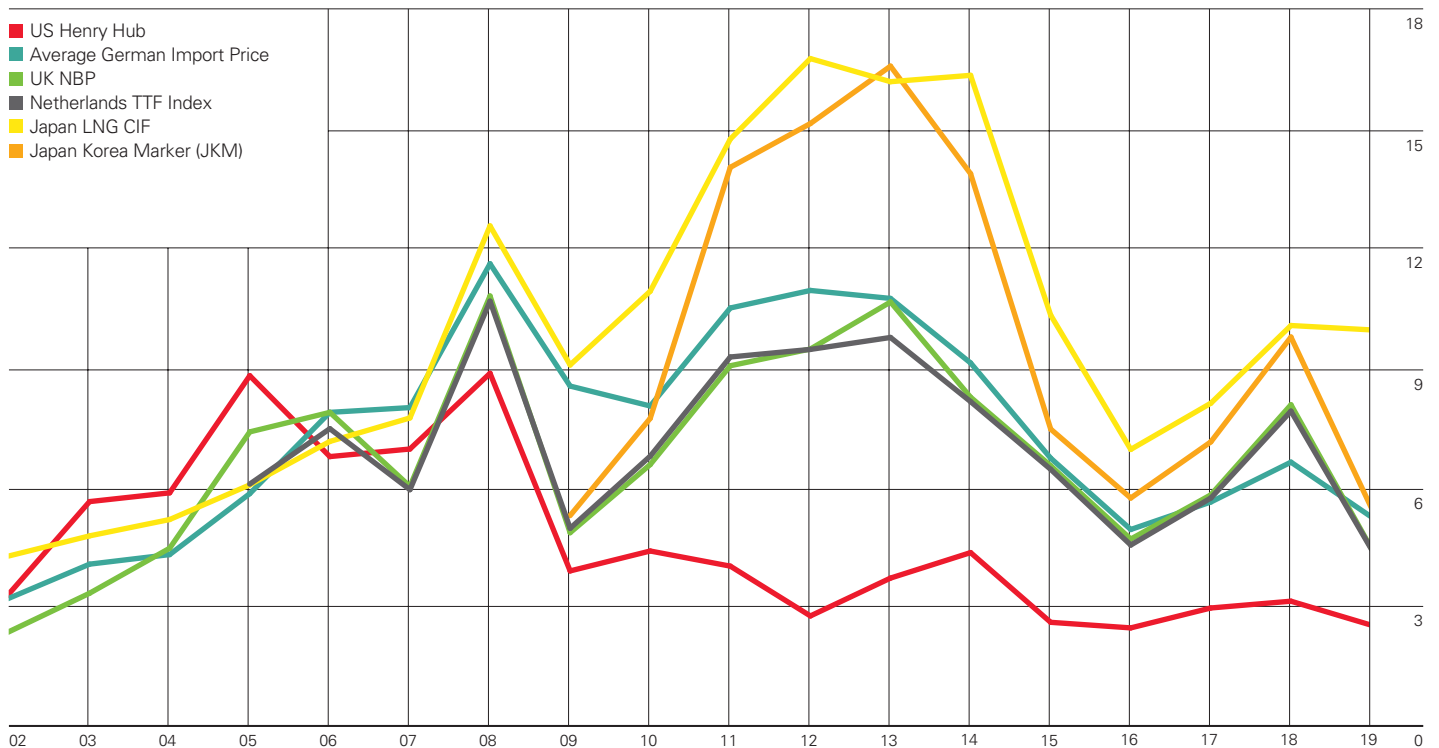
⁵Source: Energy Intelligence Group, *Natural Gas Week*.

⁶Source: ©OECD/IEA 2020, Oil, Gas, Coal and Electricity, Quarterly Statistics www.iea.org/statistics.

Note: CIF = cost+insurance+freight (average prices).

Prices

\$/mmBtu



Natural gas: Inter-regional trade

Billion cubic metres	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
US														
Pipeline imports	89.9	90.2	85.0	80.8	75.9	71.9	71.6	79.5	80.8	76.6	73.3	-4.4%	-2.5%	7.4%
LNG imports	12.6	12.1	9.9	4.9	2.7	1.7	2.5	2.4	2.2	2.1	1.5	-30.9%	-14.2%	0.1%
Total imports	102.5	102.3	94.9	85.6	78.6	73.5	74.1	82.0	83.0	78.8	74.8	-5.1%	-3.2%	7.6%
Pipeline exports	28.3	29.2	39.1	45.3	42.5	40.4	47.2	58.7	66.1	67.8	75.4	11.3%	10.4%	7.7%
LNG exports*	0.8	1.5	1.8	0.8	0.2	0.4	0.7	4.0	17.1	28.6	47.5	66.3%	39.7%	4.8%
Total exports	29.1	30.7	40.9	46.1	42.7	40.8	47.9	62.7	83.2	96.3	122.9	27.6%	13.9%	12.5%
Other North America														
Pipeline imports	28.3	29.2	39.1	45.3	42.5	40.4	47.2	58.7	66.1	67.8	75.4	11.3%	10.4%	7.7%
LNG imports	4.7	8.1	7.0	6.5	8.8	9.8	7.4	5.9	7.0	7.5	7.1	-5.1%	7.1%	0.7%
Total imports	33.1	37.3	46.1	51.7	51.3	50.2	54.7	64.5	73.1	75.2	82.5	9.7%	10.0%	8.4%
Pipeline exports	89.9	90.2	85.0	80.8	75.9	71.9	71.6	79.5	80.8	76.6	73.3	-4.4%	-2.5%	7.4%
LNG exports*	-	-	0.1	-	-	†	†	†	†	0.1	†	-77.2%	n/a	♦
Total exports	89.9	90.2	85.1	80.8	75.9	71.9	71.6	79.6	80.8	76.7	73.3	-4.4%	-2.5%	7.4%
Brazil														
Pipeline imports	7.7	9.3	9.3	9.5	11.0	11.4	11.2	9.8	8.4	7.6	6.4	-15.8%	-3.3%	0.7%
LNG imports	0.4	2.8	0.7	3.5	5.2	7.1	6.8	2.6	1.7	2.9	3.2	12.2%	n/a	0.3%
Total imports	8.1	12.1	9.9	13.0	16.3	18.5	18.0	12.4	10.1	10.5	9.7	-8.2%	-0.2%	1.0%
LNG exports*	-	-	-	0.5	0.1	0.2	†	0.6	0.2	0.1	-	-100.0%	n/a	-
Total exports	-	-	-	0.5	0.1	0.2	†	0.6	0.2	0.1	-	-100.0%	n/a	-
Other S. & Cent. America														
LNG imports	3.1	6.4	9.3	11.1	12.9	12.5	12.1	12.6	11.7	11.6	9.9	-14.9%	20.7%	1.0%
Total imports	3.1	6.4	9.3	11.1	12.9	12.5	12.1	12.6	11.7	11.6	9.9	-14.9%	20.7%	1.0%
Pipeline exports	7.7	9.3	9.3	9.5	11.0	11.4	11.2	9.8	8.4	7.6	6.4	-15.8%	-3.3%	0.7%
LNG exports*	19.5	21.4	23.4	23.4	24.1	23.3	21.4	19.9	19.1	21.4	22.3	4.4%	1.6%	2.3%
Total exports	27.1	30.7	32.7	32.9	35.1	34.7	32.6	29.7	27.5	29.0	28.7	-0.9%	♦	2.9%
Europe														
Pipeline imports	218.3	224.8	234.4	228.5	234.1	209.4	214.9	230.6	247.2	246.2	233.5	-5.2%	-1.1%	23.7%
LNG imports	70.5	89.1	89.2	68.2	51.8	52.1	56.0	56.4	64.7	71.3	119.8	68.1%	2.2%	12.2%
Total imports	288.8	313.9	323.6	296.7	285.8	261.4	270.9	287.0	311.9	317.5	353.3	11.3%	-0.5%	35.9%
LNG exports*	3.4	5.1	6.1	8.1	9.0	13.0	11.0	10.6	8.0	11.8	8.6	-26.7%	16.5%	0.9%
Total exports	3.4	5.1	6.1	8.1	9.0	13.0	11.0	10.6	8.0	11.8	8.6	-26.7%	16.5%	0.9%
Russia														
Pipeline imports	38.5	33.4	41.2	39.7	32.9	33.1	26.5	24.3	28.6	23.5	26.8	14.2%	-10.9%	2.7%
Total imports	38.5	33.4	41.2	39.7	32.9	33.1	26.5	24.3	28.6	23.5	26.8	14.2%	-10.9%	2.7%
Pipeline exports	189.6	194.0	210.6	201.5	210.7	189.6	194.2	202.0	219.7	221.3	217.2	-1.8%	-1.3%	22.1%
LNG exports*	6.8	13.5	14.3	14.3	14.5	13.6	14.6	14.6	15.4	24.9	39.4	57.9%	n/a	4.0%
Total exports	196.5	207.5	224.9	215.8	225.2	203.2	208.8	216.7	235.2	246.2	256.6	4.2%	-0.2%	26.1%
Other CIS														
Pipeline imports	22.7	26.5	25.4	25.2	24.0	26.3	25.4	26.3	28.8	30.3	29.2	-3.5%	1.8%	3.0%
Total imports	22.7	26.5	25.4	25.2	24.0	26.3	25.4	26.3	28.8	30.3	29.2	-3.5%	1.8%	3.0%
Pipeline exports	51.5	51.1	71.8	69.7	69.5	75.4	72.6	72.8	78.0	79.7	81.3	2.0%	-0.3%	8.3%
Total exports	51.5	51.1	71.8	69.7	69.5	75.4	72.6	72.8	78.0	79.7	81.3	2.0%	-0.3%	8.3%
Middle East														
Pipeline imports	9.1	13.4	13.0	5.3	6.3	7.6	9.6	7.3	4.6	2.2	1.8	-18.6%	-14.7%	0.2%
LNG imports	0.9	3.0	4.4	4.2	4.3	5.3	9.8	13.7	13.0	9.4	9.5	1.6%	n/a	1.0%
Total imports	10.1	16.4	17.4	9.4	10.6	12.9	19.4	21.1	17.7	11.5	11.3	-2.2%	0.8%	1.1%
Pipeline exports	5.5	8.2	9.1	9.0	8.9	9.3	8.1	8.0	11.0	8.7	7.8	-10.5%	8.3%	0.8%
LNG exports*	71.8	103.8	128.7	130.3	135.2	132.2	125.4	126.0	122.3	125.9	128.8	2.3%	7.6%	13.1%
Total exports	77.3	112.0	137.9	139.3	144.2	141.5	133.5	133.9	133.2	134.6	136.6	1.4%	7.6%	13.9%
Africa														
LNG imports	-	-	-	-	-	-	3.9	10.7	8.3	3.2	-	-100.0%	n/a	-
Total imports	-	-	-	-	-	-	3.9	10.7	8.3	3.2	-	-100.0%	n/a	-
Pipeline exports	42.0	48.2	36.1	39.3	34.4	29.4	30.1	38.7	37.2	37.5	28.3	-24.4%	-2.6%	2.9%
LNG exports*	56.0	58.8	56.4	54.2	47.0	49.5	48.5	46.2	55.7	53.6	61.2	14.2%	-1.7%	6.2%
Total exports	98.0	106.9	92.4	93.5	81.4	78.8	78.6	84.9	92.9	91.1	89.5	-1.7%	-2.1%	9.1%
China														
Pipeline imports	-	3.4	13.6	20.8	26.4	30.3	32.4	36.8	39.9	47.9	47.7	-0.3%	n/a	4.8%
LNG imports	8.0	13.0	16.9	20.1	25.1	27.3	27.0	36.8	52.9	73.5	84.8	15.4%	31.8%	8.6%
Total imports	8.0	16.4	30.5	40.8	51.5	57.5	59.4	73.5	92.8	121.3	132.5	9.2%	38.6%	13.5%
LNG exports*	-	-	-	-	-	-	-	-	-	-	0.1	n/a	n/a	♦
Total exports	-	-	-	-	-	-	-	-	-	-	0.1	n/a	n/a	♦
India														
LNG imports	13.0	11.5	17.4	18.4	18.0	19.1	20.0	24.3	26.1	30.6	32.9	7.4%	10.5%	3.3%
Total imports	13.0	11.5	17.4	18.4	18.0	19.1	20.0	24.3	26.1	30.6	32.9	7.4%	10.5%	3.3%
LNG exports*	-	-	-	-	-	-	0.4	0.1	0.1	-	0.1	n/a	n/a	♦
Total exports	-	-	-	-	-	-	0.4	0.1	0.1	-	0.1	n/a	n/a	♦
OECD Asia														
Pipeline imports	6.0	5.5	5.9	5.4	6.3	5.9	6.7	6.5	5.8	5.9	5.2	-11.8%	-0.1%	0.5%
LNG imports	124.2	141.4	156.3	169.6	175.7	173.6	161.6	159.9	165.4	173.2	161.1	-7.0%	2.6%	16.4%
Total imports	130.2	146.8	162.2	174.9	182.1	179.5	168.4	166.4	171.2	179.1	166.3	-7.1%	2.5%	16.9%
LNG exports*	25.1	25.8	26.0	28.3	30.6	32.2	40.1	60.5	76.8	91.9	104.7	13.9%	16.0%	10.6%
Total exports	25.1	25.8	26.0	28.3	30.6	32.2	40.1	60.5	76.8	91.9	104.7	13.9%	16.0%	10.6%
Other Asia														
LNG imports	12.4	15.0	17.3	18.5	22.4	25.2	29.8	33.0	40.2	45.5	55.3	21.7%	13.7%	5.6%
Total imports	12.4	15.0	17.3	18.5	22.4	25.2	29.8	33.0	40.2	45.5	55.3	21.7%	13.7%	5.6%
Pipeline exports	6.0	5.5	5.9	5.4	6.5	8.8	10.5	10.2	9.0	8.7	9.6	9.7%	3.9%	1.0%
LNG exports*	66.3	72.5	71.5	65.0	66.2	69.3	75.0	75.8	78.5	72.4	72.4	♦	0.7%	7.4%
Total exports	72.3	77.9	77.4	70.3	72.7	78.1	85.5	86.0	87.6	81.1	81.9	1.0%	1.0%	8.3%
Total World														
Inter-regional pipeline trade	420.5	435.6	466.9	460.3	459.5	436.1	445.6	479.7	510.3	507.9	499.4	-1.7%	-0.4%	50.7%
LNG trade	249.7	302.4	328.3	324.9	326.8	333.6	337.1	358.3	393.3	430.6	485.1	12.7%	6.2%	49.3%

Natural gas: LNG imports

Billion cubic metres	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	1.0	2.0	3.2	1.6	1.0	0.5	0.6	0.3	0.4	0.6	0.5	-13.2%	n/a	0.1%
Mexico	3.7	6.1	3.8	4.9	7.8	9.3	6.8	5.6	6.6	6.9	6.6	-4.4%	6.2%	1.4%
US	12.6	12.1	9.9	4.9	2.7	1.7	2.5	2.4	2.2	2.1	1.5	-30.9%	-14.2%	0.3%
Total North America	17.3	20.2	16.8	11.4	11.4	11.5	10.0	8.3	9.2	9.6	8.6	-10.8%	-3.4%	1.8%
Argentina	1.0	1.9	3.7	4.7	6.3	6.2	5.6	5.1	4.6	3.6	1.7	-51.9%	23.7%	0.4%
Brazil	0.4	2.8	0.7	3.5	5.2	7.1	6.8	2.6	1.7	2.9	3.2	12.2%	n/a	0.7%
Chile	0.7	3.1	3.7	4.0	3.8	3.5	3.7	4.5	4.4	4.3	3.3	-22.2%	n/a	0.7%
Other S. & Cent. America	1.4	1.4	1.9	2.4	2.8	2.8	2.8	3.0	2.8	3.7	4.8	29.5%	10.7%	1.0%
Total S. & Cent. America	3.5	9.2	9.9	14.6	18.1	19.6	18.9	15.2	13.5	14.5	13.1	-9.5%	23.4%	2.7%
Belgium	6.8	6.5	6.3	4.1	3.1	2.9	3.6	2.4	1.3	3.3	7.2	117.9%	0.9%	1.5%
France	13.3	14.7	14.4	9.8	8.3	6.9	6.4	9.1	10.9	12.7	22.9	79.8%	-0.1%	4.7%
Italy	3.0	9.3	9.1	7.1	5.8	4.5	5.9	5.9	8.2	8.2	13.5	64.2%	17.5%	2.8%
Spain	27.5	28.2	23.9	21.4	15.7	16.2	13.7	13.8	16.6	15.0	21.9	46.0%	-6.6%	4.5%
Turkey	6.0	7.8	5.9	7.6	5.9	7.1	7.5	7.6	10.9	11.4	12.9	12.4%	7.5%	2.7%
United Kingdom	10.1	18.8	24.7	13.9	9.2	11.2	13.7	10.7	6.6	7.2	18.0	151.9%	24.3%	3.7%
Other EU	3.7	3.9	4.9	4.4	3.7	3.3	5.2	6.9	10.2	13.4	23.4	74.7%	13.6%	4.8%
Rest of Europe	-	†	-	†	-	†	-	†	0.1	†	†	26.8%	n/a	♦
Total Europe	70.5	89.1	89.2	68.2	51.8	52.1	56.0	56.4	64.7	71.3	119.8	68.1%	2.2%	24.7%
Egypt	-	-	-	-	-	-	3.9	10.7	8.3	3.2	-	-100.0%	n/a	-
Kuwait	0.9	2.8	3.0	2.8	2.3	3.6	4.3	4.7	4.8	4.3	5.1	19.0%	n/a	1.1%
United Arab Emirates	-	0.2	1.4	1.4	1.6	1.6	2.9	4.2	3.0	1.0	1.6	55.0%	n/a	0.3%
Other Middle East & Africa	-	-	-	-	0.5	0.1	2.7	4.8	5.3	4.0	2.8	-30.9%	n/a	0.6%
Total Middle East & Africa	0.9	3.0	4.4	4.2	4.3	5.3	13.7	24.5	21.4	12.5	9.5	-24.1%	n/a	2.0%
China	8.0	13.0	16.9	20.1	25.1	27.3	27.0	36.8	52.9	73.5	84.8	15.4%	31.8%	17.5%
India	13.0	11.5	17.4	18.4	18.0	19.1	20.0	24.3	26.1	30.6	32.9	7.4%	10.5%	6.8%
Japan	88.9	96.4	108.6	119.8	120.4	121.8	115.9	113.6	113.9	113.0	105.5	-6.6%	1.7%	21.7%
Malaysia	-	-	-	-	2.0	2.2	2.2	1.5	2.0	1.8	3.3	85.7%	n/a	0.7%
Pakistan	-	-	-	-	-	-	1.5	4.0	6.1	9.4	11.8	25.6%	n/a	2.4%
Singapore	-	-	-	-	1.3	2.6	3.0	3.2	4.1	4.5	5.0	10.1%	n/a	1.0%
South Korea	35.3	45.0	47.7	49.7	55.3	51.8	45.8	46.3	51.4	60.2	55.6	-7.6%	4.6%	11.5%
Taiwan	12.4	15.0	16.3	17.1	17.2	18.6	19.6	20.4	22.7	22.9	22.8	-0.5%	6.2%	4.7%
Thailand	-	-	1.1	1.4	2.0	1.9	3.6	3.9	5.2	6.0	6.7	11.5%	n/a	1.4%
Other Asia Pacific	-	-	-	0.1	-	-	-	-	0.8	-	5.7	576.6%	n/a	1.2%
Total Asia Pacific	157.5	180.9	207.9	226.6	241.2	245.2	238.5	253.9	284.6	322.7	334.1	3.5%	7.1%	68.9%
Total LNG imports	249.7	302.4	328.3	324.9	326.8	333.6	337.1	358.3	393.3	430.6	485.1	12.7%	6.2%	100.0%

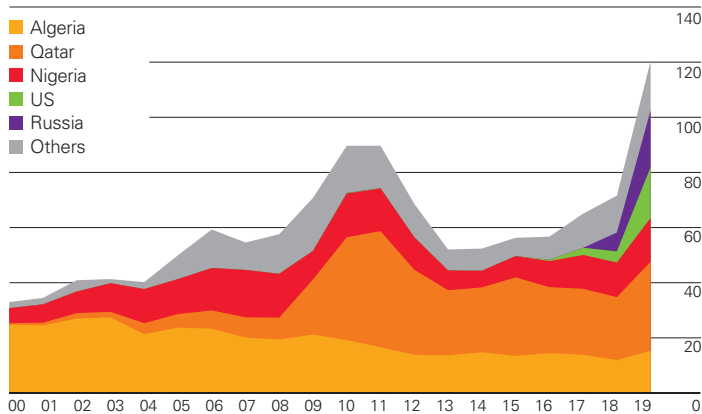
Gross LNG trade
†Less than 0.05.

♦Less than 0.05%.
n/a not available.

Source: includes GIIGNL, IHS.

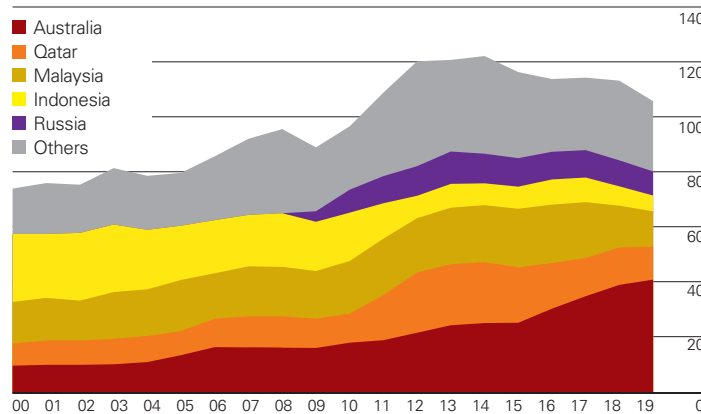
LNG imports by source: Europe

Billion cubic metres



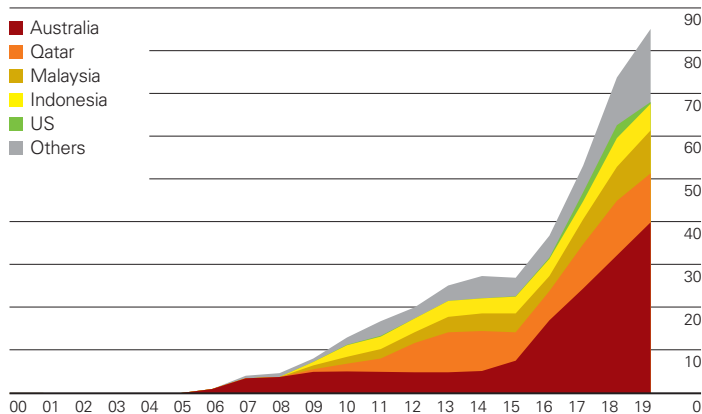
LNG imports by source: Japan

Billion cubic metres



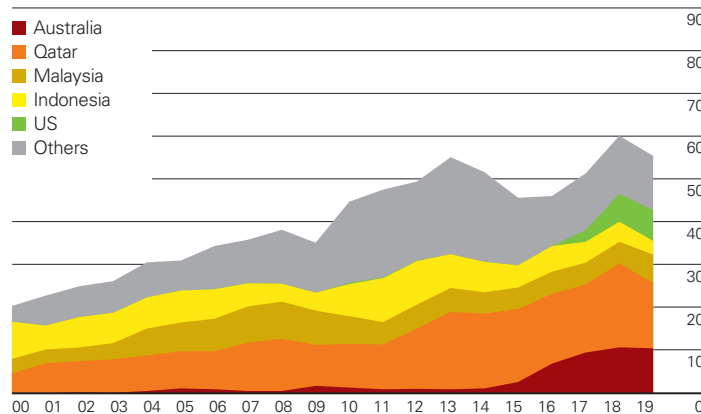
LNG imports by source: China

Billion cubic metres



LNG imports by source: South Korea

Billion cubic metres



Natural gas: LNG exports

Billion cubic metres	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
US	0.8	1.5	1.8	0.8	0.2	0.4	0.7	4.0	17.1	28.6	47.5	66.3%	39.7%	9.8%
Peru	-	1.9	5.2	5.1	5.7	5.7	5.0	5.5	5.5	4.8	5.2	8.6%	n/a	1.1%
Trinidad & Tobago	19.5	19.6	18.2	18.3	18.4	17.6	16.4	14.3	13.5	16.6	17.0	2.6%	-0.9%	3.5%
Other Americas*	-	-	0.1	0.5	0.1	0.2	†	0.6	0.3	0.1	0.1	-14.5%	n/a	♦
Total Americas	20.3	22.9	25.2	24.7	24.3	23.9	22.1	24.5	36.5	50.1	69.8	39.5%	10.0%	14.4%
Russia	6.8	13.5	14.3	14.3	14.5	13.6	14.6	14.6	15.4	24.9	39.4	57.9%	n/a	8.1%
Norway	3.1	4.6	4.4	4.6	3.8	4.6	5.6	6.1	5.4	6.8	6.6	-2.1%	12.2%	1.4%
Other Europe*	0.2	0.5	1.7	3.6	5.2	8.4	5.4	4.5	2.5	5.0	2.0	-59.9%	28.5%	0.4%
Total Europe & CIS	10.2	18.6	20.4	22.4	23.5	26.6	25.6	25.3	23.4	36.7	48.0	30.8%	30.6%	9.9%
Oman	11.8	11.7	11.0	11.1	11.5	10.6	10.2	11.0	11.4	13.6	14.1	3.6%	1.9%	2.9%
Qatar	51.8	77.8	100.7	104.0	105.8	103.6	105.6	107.3	103.6	104.9	107.1	2.0%	9.8%	22.1%
United Arab Emirates	7.8	8.7	8.3	8.1	7.9	8.6	7.6	7.7	7.3	7.4	7.7	3.5%	-1.2%	1.6%
Yemen	0.4	5.5	8.8	7.1	9.9	9.4	1.9	-	-	-	-	n/a	n/a	-
Total Middle East	71.8	103.8	128.7	130.3	135.2	132.2	125.4	126.0	122.3	125.9	128.8	2.3%	7.6%	26.5%
Algeria	21.4	19.5	16.7	14.9	15.0	17.4	16.6	15.5	16.4	13.1	16.6	26.4%	-5.0%	3.4%
Angola	-	-	-	-	0.4	0.4	-	0.9	5.0	5.2	5.8	11.7%	n/a	1.2%
Egypt	13.1	10.0	9.0	6.9	3.9	0.4	-	0.8	1.2	2.0	4.5	129.8%	-17.8%	0.9%
Nigeria	16.1	24.1	25.7	27.9	22.5	26.1	26.9	24.6	28.2	27.9	28.8	3.3%	2.1%	5.9%
Other Africa	5.4	5.3	5.0	4.6	5.2	5.0	5.0	4.4	4.9	5.5	5.5	0.9%	0.5%	1.1%
Total Africa	56.0	58.8	56.4	54.2	47.0	49.5	48.5	46.2	55.7	53.6	61.2	14.2%	-1.7%	12.6%
Australia	25.1	25.8	26.0	28.3	30.5	32.0	39.9	60.4	76.6	91.8	104.7	14.0%	16.0%	21.6%
Brunei	9.0	9.0	9.6	9.2	9.5	8.6	8.7	8.6	9.1	8.5	8.8	3.0%	-1.0%	1.8%
Indonesia	26.9	32.4	28.7	24.4	23.1	21.7	21.6	22.4	21.7	20.8	16.5	-20.8%	-2.9%	3.4%
Malaysia	30.4	31.0	33.2	31.4	33.6	34.0	34.3	33.6	36.1	33.0	35.1	6.5%	0.8%	7.2%
Papua New Guinea	-	-	-	-	-	5.0	10.1	10.9	11.1	9.5	11.6	22.2%	n/a	2.4%
Other Asia Pacific*	-	-	-	-	0.1	0.2	0.8	0.5	0.8	0.6	0.5	-12.7%	n/a	0.1%
Total Asia Pacific	91.5	98.3	97.5	93.3	96.8	101.5	115.5	136.4	155.4	164.3	177.3	7.9%	6.4%	36.5%
Total LNG exports	249.7	302.4	328.3	324.9	326.8	333.6	337.1	358.3	393.3	430.6	485.1	12.7%	6.2%	100.0%

Gross LNG trade.

*Largely consists of re-exports.

†Less than 0.05%.

‡Less than 0.05.

n/a not available.

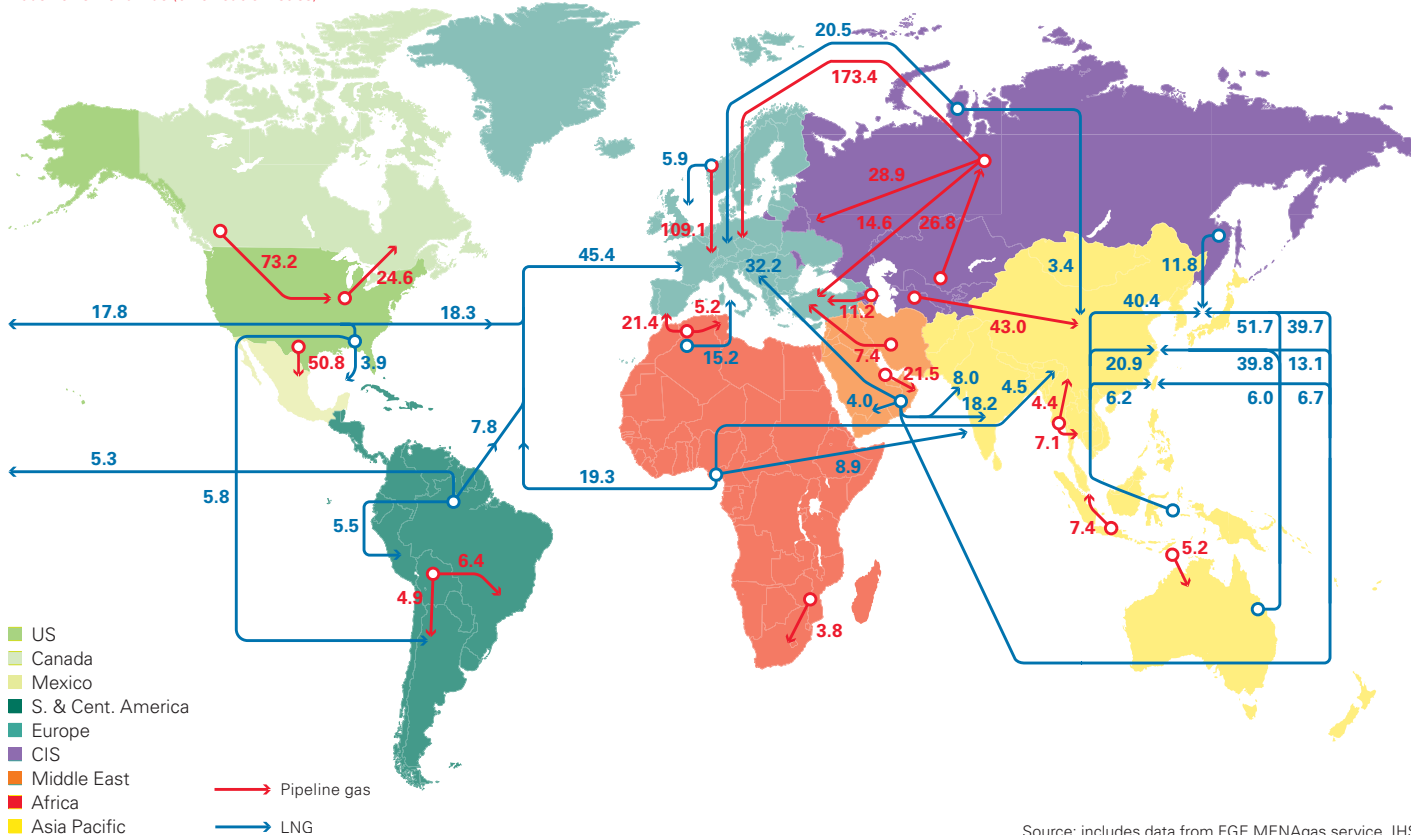
Source: includes GIIGNL, IHS.

Natural gas: Trade movements 2019 as LNG*

Billion cubic metres	From																			Total imports				
	US	Peru	Trinidad & Tobago	Other Americas*	Norway	Other Europe*	Russian Federation	Oman	Qatar	United Arab Emirates	Yemen	Algeria	Angola	Egypt	Nigeria	Other Africa	Australia	Brunei	Indonesia		Malaysia	Papua New Guinea	Other Asia Pacific	
Canada	†	-	0.5	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	0.5
Mexico	3.9	-	0.6	-	-	-	-	-	-	-	-	-	-	-	1.3	0.5	-	-	0.3	-	-	-	-	6.6
US	-	-	1.3	†	-	0.1	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	1.5
North America	3.9	-	2.4	†	-	0.1	-	-	-	-	-	-	-	-	1.4	0.5	-	-	0.3	-	-	-	-	8.6
Argentina	1.0	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	†	-	-	-	-	-	-	-	1.7
Brazil	1.5	-	0.7	0.1	0.3	-	-	-	-	-	-	-	0.1	-	0.3	0.3	-	-	-	-	-	-	-	3.2
Chile	2.3	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	3.3
Other S. & Cent. America	1.0	-	3.3	-	0.3	-	0.2	-	-	-	-	-	†	0.1	-	-	-	-	-	-	-	-	-	4.8
S. & Cent. America	5.8	-	5.5	0.1	0.6	-	0.2	-	-	-	-	-	-	0.1	†	0.4	0.5	-	-	-	-	-	-	13.1
Belgium	0.3	-	-	-	-	2.1	-	4.6	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	7.2
France	3.1	0.4	0.3	-	1.5	†	6.9	-	1.9	-	-	3.6	0.4	0.4	4.4	-	-	-	-	-	-	-	-	22.9
Italy	1.6	-	1.5	-	0.2	0.1	-	6.4	-	-	-	2.9	-	0.5	0.1	0.1	-	-	-	-	-	-	-	13.5
Spain	4.5	0.5	2.8	-	0.7	0.1	3.2	-	4.4	-	-	1.1	0.3	-	4.3	0.2	-	-	-	-	-	-	-	21.9
Turkey	1.2	-	0.2	-	0.1	0.1	-	2.5	-	-	-	5.8	-	0.5	2.5	0.1	-	-	-	-	-	-	-	12.9
United Kingdom	2.9	0.3	0.8	-	0.3	0.1	3.1	-	8.8	-	-	1.0	0.1	-	0.3	0.3	-	-	-	-	-	-	-	18.0
Other EU	4.7	0.5	0.5	-	3.1	0.2	5.1	-	3.5	-	-	0.8	0.3	0.3	4.2	-	-	-	-	-	-	-	-	23.4
Rest of Europe	-	-	-	-	-	†	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	†
Europe	18.3	1.7	6.1	-	5.9	0.6	20.5	-	32.2	-	-	15.2	1.2	1.7	15.8	0.7	-	-	-	-	-	-	-	119.8
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	0.3	-	0.2	-	-	-	1.0	2.7	-	-	-	0.1	0.2	0.1	0.6	-	-	-	-	-	-	-	-	5.1
United Arab Emirates	0.6	-	0.1	-	-	0.2	0.1	-	-	-	-	-	0.2	0.1	0.2	-	0.1	-	-	-	-	-	-	1.6
Other Middle East & Africa	0.9	-	0.9	-	-	0.6	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8
Middle East & Africa	1.7	-	1.2	-	-	0.2	0.8	1.2	2.8	-	-	0.1	0.4	0.2	0.8	-	0.1	-	-	-	-	-	-	9.5
China	0.4	0.9	1.0	†	0.1	0.4	3.4	1.5	11.4	0.2	-	0.1	0.2	0.3	2.6	1.5	39.8	0.8	6.2	10.0	3.9	0.2	-	84.8
India	2.6	-	0.2	-	0.1	0.5	0.3	1.3	13.2	3.6	-	0.3	3.7	0.3	3.6	1.2	1.4	-	-	0.5	-	-	-	32.9
Japan	5.0	0.9	-	-	-	8.7	3.9	11.9	3.0	-	-	0.1	-	0.1	1.1	0.1	41.0	5.9	5.7	12.8	5.1	0.2	-	105.5
Malaysia	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	2.1	1.0	-	-	-	-	-	3.3
Pakistan	0.7	-	-	-	-	-	0.3	7.2	0.6	-	-	0.4	-	0.9	1.3	0.3	-	-	-	0.1	-	0.1	-	11.8
Singapore	0.8	-	0.2	-	-	-	-	0.1	-	-	-	0.1	0.6	0.1	0.3	-	2.4	-	0.2	†	0.1	-	-	5.0
South Korea	7.2	1.5	0.1	-	-	3.1	5.4	15.3	0.3	-	-	-	0.2	0.9	0.1	10.6	0.8	3.2	6.6	0.4	0.1	-	-	55.6
Taiwan	0.7	0.2	0.3	-	-	2.0	0.2	6.4	0.1	-	-	-	0.2	0.3	0.3	6.0	0.3	0.5	3.4	2.0	-	-	-	22.8
Thailand	0.2	0.1	0.1	-	-	0.1	0.2	2.6	-	-	-	0.1	0.2	-	-	1.1	-	0.4	1.7	-	-	-	-	6.7
Other Asia Pacific	0.1	-	-	-	-	0.2	0.3	0.1	3.8	-	-	0.4	-	0.1	0.4	-	0.1	-	0.1	0.2	-	-	-	5.7
Asia Pacific	17.8	3.5	1.8	†	0.2	1.1	17.9	12.8	72.0	7.7	-	1.2	4.1	2										

Major trade movements 2019

Trade flows worldwide (billion cubic metres)



Source: includes data from FGE MENA gas service, IHS.

Natural gas: Trade movements 2019 by pipeline

To	From																			Total imports					
	Canada	Mexico	US	Bolivia	Other S. & Cent. America	Netherlands	Norway	Other Europe	Azerbaijan	Kazakhstan	Russian Federation	Turkmenistan	Uzbekistan	Iran	Qatar	Other Middle East	Algeria	Libya	Other Africa		Indonesia	Myanmar	Other Asia Pacific		
Canada	-	-	24.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.6	
Mexico	-	-	50.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.8	
US	73.2	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73.3	
North America	73.2	0.1	75.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	148.7	
Argentina	-	-	-	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	
Brazil	-	-	-	6.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	
Other S. & Cent. America	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7	
S. & Cent. America	-	-	-	11.3	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0	
Belgium	-	-	-	-	-	6.6	5.1	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.6	
France	-	-	-	-	-	4.4	19.3	5.8	-	-	7.8	-	-	-	-	-	-	-	-	-	-	-	-	37.2	
Germany	-	-	-	-	-	23.4	27.8	2.9	-	-	55.6	-	-	-	-	-	-	-	-	-	-	-	-	109.6	
Italy	-	-	-	-	-	1.2	2.7	14.2	-	-	20.7	-	-	-	-	-	9.7	5.4	-	-	-	-	-	54.1	
Netherlands	-	-	-	-	-	-	25.3	6.7	-	-	8.0	-	-	-	-	-	-	-	-	-	-	-	-	40.0	
Spain	-	-	-	-	-	-	1.8	2.8	-	-	-	-	-	-	-	-	11.4	-	-	-	-	-	-	16.0	
Turkey	-	-	-	-	-	-	-	-	9.2	-	14.6	-	-	-	-	-	-	-	-	-	-	-	-	31.3	
Ukraine	-	-	-	-	-	-	-	11.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0	
United Kingdom	-	-	-	-	-	1.6	26.6	0.4	-	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	33.2	
Other EU	-	-	-	-	-	1.0	0.4	37.5	-	-	73.9	-	-	-	-	-	0.4	-	-	-	-	-	-	113.2	
Rest of Europe	-	-	-	-	-	0.1	-	8.3	2.0	-	2.7	-	-	-	-	-	-	-	-	-	-	-	-	13.0	
Europe	-	-	-	-	-	38.2	109.1	90.5	11.2	-	188.0	-	-	7.4	-	-	21.4	5.4	-	-	-	-	-	471.3	
Belarus	-	-	-	-	-	-	-	-	-	-	19.0	-	-	-	-	-	-	-	-	-	-	-	-	19.0	
Kazakhstan	-	-	-	-	-	-	-	-	-	-	5.1	-	1.8	-	-	-	-	-	-	-	-	-	-	6.9	
Russian Federation	-	-	-	-	-	-	-	-	-	20.6	-	-	6.2	-	-	-	-	-	-	-	-	-	-	26.8	
Other CIS	-	-	-	-	-	-	-	-	-	0.4	4.8	-	0.4	0.4	-	-	-	-	-	-	-	-	-	5.9	
CIS	-	-	-	-	-	-	-	-	-	20.9	28.9	-	8.4	0.4	-	-	-	-	-	-	-	-	-	58.5	
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.5	-	-	-	-	-	-	-	-	19.5	
Other Middle East	-	-	-	-	-	-	-	-	0.3	-	-	-	-	9.1	2.0	0.1	-	-	1.4	-	-	-	-	13.0	
Middle East	-	-	-	-	-	-	-	-	0.3	-	-	-	-	9.1	21.5	0.1	-	-	1.4	-	-	-	-	32.5	
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	
Other Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	3.8	-	-	-	-	6.0	
Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	4.6	-	-	-	-	9.8	
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	5.2	
China	-	-	-	-	-	-	-	-	-	6.5	0.3	31.6	4.9	-	-	-	-	-	-	-	-	-	4.4	47.7	
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	0.6	
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	1.3	8.1	
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	-	7.1	
Asia Pacific	-	-	-	-	-	-	-	-	-	6.5	0.3	31.6	4.9	-	-	-	-	-	-	-	-	7.4	11.5	6.5	68.7
Total exports	73.2	0.1	75.4	11.3	0.7	38.2	109.1	90.5	11.5	27.5	217.2	31.6	13.2	16.9	21.5	0.1	26.7	5.4	6.0	7.4	11.5	6.5	6.5	801.5	

Source: includes data from FGE MENA gas service, IHS.

Note: As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar) and has been standardized using a gross calorific value (GCV) of 40 MJ/m³.