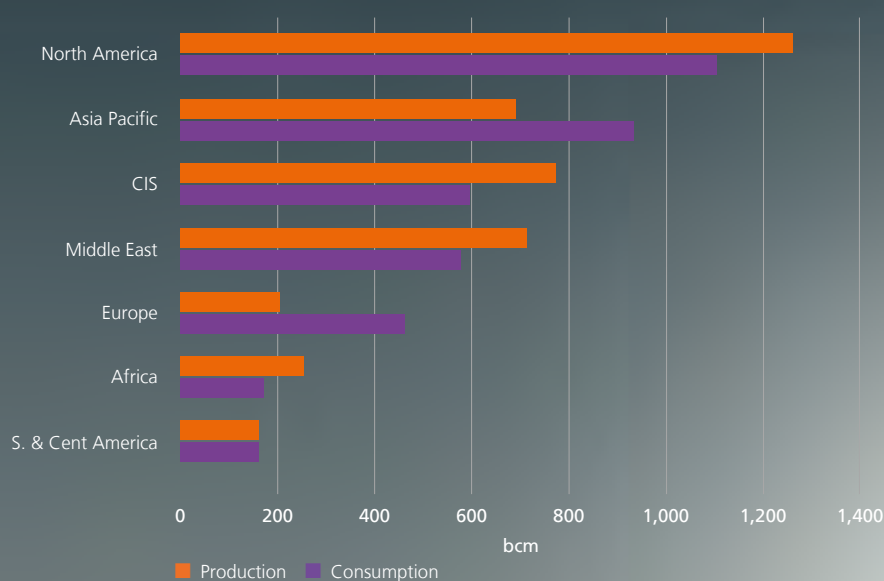


Natural gas

Global gas demand remained stable in 2023 rising by just 1 bcm. This was not sufficient to recover the losses seen in 2022 when overall demand dropped by 0.4% (15 bcm). In Europe, natural gas demand fell by 7% (34 bcm) in 2023, down to its lowest level since 1994. Similarly, gas production in the region declined by around 7% driven by decreases in its top producing countries, Norway, UK, and the Netherlands. Gas demand in the Asia Pacific region grew nearly 2%, driven by

China and India's 7% growth increases. When combining all trade routes, whether by sea or pipeline, the Russian Federation's share of EU gas imports fell from 43% in 2021 to 23% in 2022, and then a further 14% in 2023 to sit behind Norway and the US. In just ten years, LNG exports from the US rocketed from just 0.2 bcm in 2013 to 114 bcm in 2023, making it the world's leading LNG supplier, moving ahead of Qatar and Australia in 2023.



The US alone accounts for 25% of global natural gas production and 22% of its consumption



Natural gas Production in billion cubic metres*

Billion cubic metres												Growth rate per annum		Share
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013-23	2023
Canada	151.9	159.0	160.8	165.0	171.3	176.8	169.6	165.6	172.3	184.8	190.3	2.9%	2.3%	4.7%
Mexico	52.5	51.3	47.9	43.7	38.3	37.9	36.7	35.5	32.1	33.7	35.6	5.5%	-3.8%	0.9%
US	655.7	704.7	740.3	727.4	746.2	840.9	928.1	924.8	944.5	993.4	1035.3	4.2%	4.7%	25.5%
Total North America	860.1	915.0	949.0	936.0	955.7	1055.6	1134.4	1126.0	1148.9	1211.9	1261.1	4.1%	3.9%	31.1%
Argentina	34.6	34.5	35.5	37.3	37.1	39.4	41.6	38.3	38.6	41.7	41.6	-0.2%	1.9%	1.0%
Bolivia	19.6	20.4	20.1	18.9	18.6	17.3	15.1	14.7	15.1	13.7	11.9	-12.9%	-4.8%	0.3%
Brazil	21.9	23.3	23.8	24.1	27.2	25.2	25.7	24.2	24.3	23.0	23.4	1.8%	0.7%	0.6%
Colombia	13.2	12.3	11.6	12.0	11.8	12.4	12.6	12.5	12.6	12.4	12.1	-3.0%	-0.9%	0.3%
Peru	12.4	13.1	12.7	14.0	13.0	12.8	13.5	13.2	12.4	15.0	15.4	3.1%	2.2%	0.4%
Trinidad & Tobago	38.7	38.1	36.0	31.3	31.9	34.0	34.6	29.5	24.7	26.0	25.0	-3.8%	-4.3%	0.6%
Venezuela	30.6	31.8	36.1	37.2	38.6	31.6	25.6	21.6	28.1	29.1	29.7	2.2%	-0.3%	0.7%
Other S. & Cent. America	2.7	2.6	2.9	3.1	3.1	3.1	3.3	2.7	2.6	2.8	2.9	3.0%	0.6%	0.1%
Total S. & Cent. America	173.8	176.2	178.6	178.0	181.3	175.8	172.0	156.6	158.5	163.6	162.0	-1.0%	-0.7%	4.0%
Denmark	5.0	4.8	4.8	4.7	5.1	4.3	3.2	1.4	1.5	1.4	1.4	-3.3%	-11.9%	†
Germany	8.6	8.1	7.5	6.9	6.4	5.5	5.3	4.5	4.5	4.3	3.8	-10.6%	-7.8%	0.1%
Italy	7.4	6.8	6.4	5.5	5.3	5.2	4.6	3.9	3.2	3.2	2.8	-9.9%	-9.1%	0.1%
Netherlands	72.4	60.4	45.9	44.3	37.9	32.5	27.7	20.1	18.0	15.0	9.9	-34.2%	-18.1%	0.2%
Norway	108.5	107.7	116.3	116.0	123.8	121.4	114.4	111.7	114.5	123.0	116.6	-5.2%	0.7%	2.9%
Poland	4.4	4.3	4.3	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.6	-5.5%	-2.1%	0.1%
Romania	10.0	10.2	10.2	9.1	10.0	10.0	9.6	8.6	8.6	8.8	8.9	1.4%	-1.2%	0.2%
Ukraine	20.2	20.2	18.8	19.0	19.4	19.7	19.4	19.1	18.7	17.5	17.7	0.9%	-1.3%	0.4%
United Kingdom	37.0	37.4	40.7	41.7	41.9	40.6	39.3	39.6	32.8	38.1	34.5	-9.6%	-0.7%	0.8%
Other Europe	7.2	6.3	6.1	8.7	9.0	8.4	7.4	6.3	5.4	5.1	5.1	0.2%	-3.2%	0.1%
Total Europe	280.6	266.3	261.0	260.0	262.7	251.5	235.0	219.1	211.1	220.2	204.3	-7.2%	-3.1%	5.0%
Azerbaijan	17.5	18.4	18.8	18.3	17.8	18.8	23.9	25.9	31.8	34.1	35.6	4.2%	7.4%	0.9%
Kazakhstan	30.4	32.8	27.1	30.9	36.4	39.2	33.5	30.6	26.7	27.6	30.8	11.7%	0.1%	0.8%
Russian Federation	614.5	591.2	584.4	589.3	635.6	669.1	679.0	638.4	702.1	618.4	586.4	-5.2%	-0.5%	14.4%
Turkmenistan	59.0	63.5	65.9	63.2	58.7	61.5	63.2	66.0	79.3	78.3	76.3	-2.5%	2.6%	1.9%
Uzbekistan	55.9	56.3	53.6	53.1	53.6	58.3	57.5	47.1	50.9	48.9	44.2	-9.6%	-2.3%	1.1%
Other CIS	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-3.4%	-1.8%	†
Total CIS	777.6	762.4	750.2	755.1	802.3	847.2	857.4	808.4	891.2	807.6	773.6	-4.2%	-0.1%	19.1%
Bahrain	14.0	14.7	14.6	14.4	14.5	14.6	16.3	16.4	16.6	15.8	16.7	5.9%	1.8%	0.4%
Iran	157.5	175.5	183.5	199.3	213.9	220.1	228.3	235.8	242.8	247.7	251.7	1.6%	4.8%	6.2%
Iraq	7.1	7.5	7.3	9.9	10.1	10.6	11.0	7.0	9.1	9.3	9.9	6.9%	3.5%	0.2%
Israel	6.1	7.1	7.9	8.8	9.3	9.9	10.0	14.7	18.3	20.8	23.5	12.8%	14.5%	0.6%
Kuwait	15.5	14.3	16.1	16.4	16.2	16.9	13.3	12.2	12.1	13.2	13.5	2.6%	-1.3%	0.3%
Oman	30.8	29.3	30.7	31.5	32.3	36.3	36.7	36.9	40.3	42.1	43.2	2.5%	3.4%	1.1%
Qatar	167.9	169.4	175.9	174.8	170.5	175.2	177.2	174.9	177.0	178.5	181.0	1.4%	0.8%	4.5%
Saudi Arabia	95.0	97.3	99.2	105.3	109.3	112.1	111.2	113.1	114.5	116.7	114.1	-2.2%	1.8%	2.8%
Syria	5.0	4.6	4.1	3.5	3.5	3.5	3.3	2.9	3.1	2.9	3.0	2.1%	-5.1%	0.1%
United Arab Emirates	53.2	52.9	58.6	59.5	52.7	46.4	53.7	53.7	53.1	54.2	55.6	2.5%	0.4%	1.4%
Other Middle East	10.5	9.9	3.0	0.6	0.4	0.2	0.3	0.4	0.4	0.5	0.6	22.5%	-25.1%	†
Total Middle East	562.5	582.5	600.8	624.2	632.7	645.9	661.1	667.9	687.4	701.7	712.7	1.6%	2.4%	17.6%
Algeria	79.3	80.2	81.4	91.4	93.0	93.8	87.0	81.4	101.1	97.6	101.5	4.0%	2.5%	2.5%
Egypt	54.0	47.0	42.6	40.3	48.8	58.6	64.9	58.5	67.8	64.5	57.1	-11.5%	0.6%	1.4%
Libya	12.2	11.8	12.9	12.7	14.2	14.0	16.0	12.7	15.3	14.6	16.3	12.0%	3.0%	0.4%
Nigeria	33.1	40.0	47.6	42.6	47.2	48.3	49.3	49.4	52.4	47.1	43.7	-7.3%	2.8%	1.1%
Other Africa	20.4	20.6	21.7	22.8	27.0	28.0	28.4	29.9	30.1	32.0	35.0	9.5%	5.5%	0.9%
Total Africa	199.0	199.5	206.2	209.8	230.1	242.6	245.6	231.9	266.7	255.8	253.6	-0.8%	2.5%	6.2%
Australia	60.6	65.3	74.3	94.1	110.3	127.4	146.1	145.7	147.9	154.2	151.7	-1.6%	9.6%	3.7%
Bangladesh	22.0	23.0	25.9	26.5	26.6	26.6	25.3	23.7	23.6	22.5	21.1	-6.3%	-0.4%	0.5%
Brunei	11.9	12.7	13.3	12.9	12.9	12.6	13.0	12.6	11.5	10.6	10.0	-5.8%	-1.7%	0.2%
China	121.8	131.2	135.7	137.9	149.2	161.4	176.7	194.0	209.2	221.8	234.3	5.6%	6.8%	5.8%
India	31.1	29.4	28.1	26.6	27.7	27.5	26.9	23.8	28.5	29.8	31.6	6.0%	0.2%	0.8%
Indonesia	77.6	76.4	76.2	75.1	72.7	72.8	67.6	64.7	64.4	62.8	64.3	2.3%	-1.9%	1.6%
Malaysia	72.6	72.2	76.8	76.7	79.6	76.1	77.5	73.1	79.0	83.0	81.1	-2.3%	1.1%	2.0%
Myanmar	12.9	16.5	19.2	18.3	17.8	17.0	18.5	17.5	17.2	16.8	15.2	-10.1%	1.7%	0.4%
Pakistan	35.6	35.0	35.0	-	34.7	34.2	32.7	30.6	32.7	28.7	27.8	-3.1%	-2.4%	0.7%
Thailand	38.9	39.1	37.5	37.3	35.9	34.7	35.8	32.7	31.5	25.6	25.7	0.1%	-4.1%	0.6%
Vietnam	9.4	9.9	10.3	10.2	9.5	9.7	9.8	8.8	7.2	7.8	7.2	-7.4%	-2.6%	0.2%
Other Asia Pacific	18.2	23.1	27.9	29.0	29.2	26.9	28.7	29.0	27.2	24.0	22.0	-8.2%	1.9%	0.5%
Total Asia Pacific	512.5	533.7	560.2	544.6	606.0	626.8	658.5	656.3	680.0	687.8	691.8	0.6%	3.0%	17.0%
Total World	3366.1	3435.6	3506.0	3507.7	3670.9	3845.3	3964.0	3866.2	4043.7	4048.6	4059.2	0.3%	1.9%	100.0%
of which: OECD	1197.2	1242.6	1281.2	1289.8	1328.1	1434.4	1517.0	1497.3	1518.0	1599.6	1632.5	2.1%	3.1%	40.2%
Non-OECD	2168.9	2193.0	2224.8	2217.9	2342.8	2410.9	2447.1	2368.8	2525.7	2449.0	2426.8	-0.9%	1.1%	59.8%
European Union	113.9	99.9	84.3	82.4	76.8	69.0	61.0	47.9	44.3	40.8	34.4	-15.7%	-11.3%	0.8%

Source: Includes data from Cedigaz. FGE MENA gas service.

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

† Less than 0.05%.

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 standardised 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.

Exajoules												Growth rate per annum		Share
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013-23	2023
Canada	5.47	5.72	5.79	5.94	6.17	6.36	6.11	5.96	6.20	6.65	6.85	2.9%	2.3%	4.7%
Mexico	1.89	1.85	1.73	1.57	1.38	1.36	1.32	1.28	1.15	1.21	1.28	5.5%	-3.8%	0.9%
US	23.60	25.37	26.65	26.18	26.86	30.27	33.41	33.29	34.00	35.76	37.27	4.2%	4.7%	25.5%
Total North America	30.96	32.94	34.16	33.70	34.41	38.00	40.84	40.53	41.36	43.63	45.40	4.1%	3.9%	31.1%
Argentina	1.24	1.24	1.28	1.34	1.34	1.42	1.50	1.38	1.39	1.50	1.50	-0.2%	1.9%	1.0%
Bolivia	0.70	0.74	0.72	0.68	0.67	0.62	0.54	0.53	0.55	0.49	0.43	-12.9%	-4.8%	0.3%
Brazil	0.79	0.84	0.86	0.87	0.98	0.91	0.93	0.87	0.88	0.83	0.84	1.8%	0.7%	0.6%
Colombia	0.48	0.44	0.42	0.43	0.42	0.45	0.45	0.45	0.45	0.45	0.43	-3.0%	-0.9%	0.3%
Peru	0.45	0.47	0.46	0.50	0.47	0.46	0.49	0.48	0.45	0.54	0.56	3.1%	2.2%	0.4%
Trinidad & Tobago	1.39	1.37	1.29	1.13	1.15	1.22	1.24	1.06	0.89	0.94	0.90	-3.8%	-4.3%	0.6%
Venezuela	1.10	1.14	1.30	1.34	1.39	1.14	0.92	0.78	1.01	1.05	1.07	2.2%	-0.3%	0.7%
Other S. & Cent. America	0.10	0.09	0.10	0.11	0.11	0.11	0.12	0.10	0.09	0.10	0.10	3.0%	0.6%	0.1%
Total S. & Cent. America	6.26	6.34	6.43	6.41	6.53	6.33	6.19	5.64	5.71	5.89	5.83	-1.0%	-0.7%	4.0%
Denmark	0.18	0.17	0.17	0.17	0.18	0.15	0.12	0.05	0.05	0.05	0.05	-3.3%	-11.9%	†
Germany	0.31	0.29	0.27	0.25	0.23	0.20	0.19	0.16	0.16	0.15	0.14	-10.6%	-7.8%	0.1%
Italy	0.27	0.25	0.23	0.20	0.19	0.19	0.17	0.14	0.11	0.11	0.10	-9.9%	-9.1%	0.1%
Netherlands	2.61	2.17	1.65	1.59	1.37	1.17	1.00	0.72	0.65	0.54	0.35	-34.2%	-18.1%	0.2%
Norway	3.90	3.88	4.19	4.17	4.46	4.37	4.12	4.02	4.12	4.43	4.20	-5.2%	0.7%	2.9%
Poland	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.13	-5.5%	-2.1%	0.1%
Romania	0.36	0.37	0.37	0.33	0.36	0.36	0.35	0.31	0.31	0.32	0.32	1.4%	-1.2%	0.2%
Ukraine	0.73	0.73	0.68	0.68	0.70	0.71	0.70	0.69	0.67	0.63	0.64	0.9%	-1.3%	0.4%
United Kingdom	1.33	1.35	1.46	1.50	1.51	1.46	1.41	1.42	1.18	1.37	1.24	-9.6%	-0.7%	0.8%
Other Europe	0.26	0.23	0.22	0.31	0.32	0.30	0.27	0.23	0.19	0.18	0.19	0.2%	-3.2%	0.1%
Total Europe	10.10	9.59	9.40	9.36	9.46	9.05	8.46	7.89	7.60	7.93	7.36	-7.2%	-3.1%	5.0%
Azerbaijan	0.63	0.66	0.68	0.66	0.64	0.68	0.86	0.93	1.15	1.23	1.28	4.2%	7.4%	0.9%
Kazakhstan	1.10	1.18	0.98	1.11	1.31	1.41	1.21	1.10	0.96	0.99	1.11	11.7%	0.1%	0.8%
Russian Federation	22.12	21.28	21.04	21.21	22.88	24.09	24.44	22.98	25.28	22.26	21.11	-5.2%	-0.5%	14.4%
Turkmenistan	2.12	2.29	2.37	2.28	2.11	2.21	2.27	2.38	2.85	2.82	2.75	-2.5%	2.6%	1.9%
Uzbekistan	2.01	2.03	1.93	1.91	1.93	2.10	2.07	1.70	1.83	1.76	1.59	-9.6%	-2.3%	1.1%
Other CIS	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.4%	-1.8%	†
Total CIS	27.99	27.45	27.01	27.19	28.88	30.50	30.87	29.10	32.08	29.07	27.85	-4.2%	-0.1%	19.1%
Bahrain	0.50	0.53	0.53	0.52	0.52	0.53	0.59	0.59	0.60	0.57	0.60	5.9%	1.8%	0.4%
Iran	5.67	6.32	6.61	7.18	7.70	7.92	8.22	8.49	8.74	8.92	9.06	1.6%	4.8%	6.2%
Iraq	0.25	0.27	0.26	0.36	0.36	0.38	0.39	0.25	0.33	0.33	0.36	6.9%	3.5%	0.2%
Israel	0.22	0.26	0.28	0.32	0.34	0.36	0.36	0.53	0.66	0.75	0.85	12.8%	14.5%	0.6%
Kuwait	0.56	0.51	0.58	0.59	0.58	0.61	0.48	0.44	0.44	0.47	0.49	2.6%	-1.3%	0.3%
Oman	1.11	1.06	1.11	1.13	1.16	1.31	1.32	1.33	1.45	1.52	1.55	2.5%	3.4%	1.1%
Qatar	6.04	6.10	6.33	6.29	6.14	6.31	6.38	6.30	6.37	6.43	6.52	1.4%	0.8%	4.5%
Saudi Arabia	3.42	3.50	3.57	3.79	3.93	4.04	4.00	4.07	4.12	4.20	4.11	-2.2%	1.8%	2.8%
Syria	0.18	0.17	0.15	0.13	0.13	0.12	0.12	0.11	0.11	0.10	0.11	2.1%	-5.1%	0.1%
United Arab Emirates	1.92	1.90	2.11	2.14	1.90	1.67	1.93	1.93	1.91	1.95	2.00	2.5%	0.4%	1.4%
Other Middle East	0.38	0.36	0.11	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	22.5%	-25.1%	†
Total Middle East	20.25	20.97	21.63	22.47	22.78	23.25	23.80	24.05	24.74	25.26	25.66	1.6%	2.4%	17.6%
Algeria	2.86	2.89	2.93	3.29	3.35	3.38	3.13	2.93	3.64	3.51	3.66	4.0%	2.5%	2.5%
Egypt	1.94	1.69	1.53	1.45	1.76	2.11	2.34	2.10	2.44	2.32	2.06	-11.5%	0.6%	1.4%
Libya	0.44	0.43	0.46	0.46	0.51	0.50	0.58	0.46	0.55	0.52	0.59	12.0%	3.0%	0.4%
Nigeria	1.19	1.44	1.71	1.53	1.70	1.74	1.77	1.78	1.89	1.70	1.57	-7.3%	2.8%	1.1%
Other Africa	0.74	0.74	0.78	0.82	0.97	1.01	1.02	1.08	1.08	1.15	1.26	9.5%	5.5%	0.9%
Total Africa	7.16	7.18	7.42	7.55	8.28	8.73	8.84	8.35	9.60	9.21	9.13	-0.8%	2.5%	6.2%
Australia	2.18	2.35	2.67	3.39	3.97	4.59	5.26	5.25	5.33	5.55	5.46	-1.6%	9.6%	3.7%
Bangladesh	0.79	0.83	0.93	0.95	0.96	0.96	0.91	0.85	0.85	0.81	0.76	-6.3%	-0.4%	0.5%
Brunei	0.43	0.46	0.48	0.47	0.46	0.45	0.47	0.46	0.42	0.38	0.36	-5.8%	-1.7%	0.2%
China	4.39	4.72	4.88	4.97	5.37	5.81	6.36	6.98	7.53	7.99	8.43	5.6%	6.8%	5.8%
India	1.12	1.06	1.01	0.96	1.00	0.99	0.97	0.86	1.03	1.07	1.14	6.0%	0.2%	0.8%
Indonesia	2.79	2.75	2.74	2.70	2.62	2.62	2.43	2.33	2.32	2.26	2.31	2.3%	-1.9%	1.6%
Malaysia	2.61	2.60	2.77	2.76	2.86	2.74	2.79	2.63	2.84	2.99	2.92	-2.3%	1.1%	2.0%
Myanmar	0.46	0.60	0.69	0.66	0.64	0.61	0.67	0.63	0.62	0.61	0.55	-10.1%	1.7%	0.4%
Pakistan	1.28	1.26	1.26	-	1.25	1.23	1.18	1.10	1.18	1.03	1.00	-3.1%	-2.4%	0.7%
Thailand	1.40	1.41	1.35	1.34	1.29	1.25	1.29	1.18	1.13	0.92	0.92	0.1%	-4.1%	0.6%
Vietnam	0.34	0.35	0.37	0.37	0.34	0.35	0.35	0.32	0.26	0.28	0.26	-7.4%	-2.6%	0.2%
Other Asia Pacific	0.66	0.83	1.01	1.04	1.05	0.97	1.03	1.04	0.98	0.86	0.79	-8.2%	1.9%	0.5%
Total Asia Pacific	18.45	19.21	20.17	19.60	21.82	22.57	23.71	23.63	24.48	24.76	24.91	0.6%	3.0%	17.0%
Total World	121.18	123.68	126.22	126.28	132.15	138.43	142.71	139.18	145.57	145.75	146.13	0.3%	1.9%	100.0%
of which: OECD	43.10	44.73	46.12	46.43	47.81	51.64	54.61	53.90	54.65	57.59	58.77	2.1%	3.1%	40.2%
Non-OECD	78.08	78.95	80.09	79.84	84.34	86.79	88.09	85.28	90.93	88.16	87.36	-0.9%	1.1%	59.8%
European Union	4.10	3.60	3.03	2.96	2.76	2.48	2.19	1.72	1.60	1.47	1.24	-15.7%	-11.3%	0.8%

Source: Includes data from Cedigaz. FGE MENA gas service.

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

† Less than 0.05%.

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

Billion cubic metres												Growth rate per annum		Share
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013–23	2023
Canada	105.4	109.8	110.3	105.6	109.6	117.7	118.7	115.3	118.6	123.8	120.7	-2.5%	1.4%	3.0%
Mexico	77.8	78.8	80.8	83.0	86.0	90.3	93.4	92.2	91.6	90.9	97.6	7.3%	2.3%	2.4%
US	707.0	722.3	743.6	749.1	740.0	822.0	851.0	834.5	836.4	879.6	886.5	0.8%	2.3%	22.1%
Total North America	890.3	911.0	934.7	937.8	935.7	1029.9	1063.0	1042.1	1046.7	1094.3	1104.8	1.0%	2.2%	27.5%
Argentina	46.0	46.2	46.7	48.2	48.3	48.7	46.6	43.9	45.9	45.9	44.9	-2.0%	-0.2%	1.1%
Brazil	38.4	40.7	42.9	37.1	37.6	35.9	35.7	31.4	40.4	32.0	30.0	-6.3%	-2.4%	0.7%
Chile	5.3	4.4	4.8	5.9	5.6	5.6	6.5	6.2	6.8	7.3	7.0	-3.5%	2.8%	0.2%
Colombia	10.5	11.4	11.2	12.1	11.8	12.7	12.9	13.1	12.6	12.6	13.1	3.7%	2.2%	0.3%
Ecuador	0.9	0.9	0.8	0.9	0.9	0.8	0.7	0.6	0.6	0.5	0.5	-7.9%	-5.3%	†
Peru	6.7	7.4	7.6	8.5	7.5	8.0	8.2	8.2	8.9	9.8	10.1	2.8%	4.2%	0.3%
Trinidad & Tobago	20.4	20.5	19.6	16.9	18.3	17.4	17.5	15.2	15.6	15.5	14.5	-6.2%	-3.3%	0.4%
Venezuela	32.3	34.0	37.0	37.2	38.6	31.6	25.6	21.6	28.1	29.1	29.7	2.2%	-0.8%	0.7%
Central America	–	–	–	–	–	0.2	0.5	0.4	0.3	0.6	1.2	83.6%	–	†
Other Caribbean	3.6	3.7	3.7	3.8	3.5	4.0	4.5	4.6	5.5	5.3	6.4	20.8%	5.9%	0.2%
Other South America	3.3	3.5	3.4	3.6	3.9	4.0	3.9	3.4	3.7	4.0	4.4	11.1%	2.9%	0.1%
Total S. & Cent. America	167.3	172.6	177.8	174.3	176.1	169.0	162.5	148.6	168.5	162.4	161.7	-0.5%	-0.3%	4.0%
Austria	8.2	7.5	8.0	8.3	9.1	8.7	8.9	8.5	9.0	7.9	6.9	-13.0%	-1.7%	0.2%
Belgium	16.5	14.5	15.8	16.2	16.4	16.9	17.4	17.0	17.0	14.6	13.7	-5.8%	-1.9%	0.3%
Bulgaria	2.8	2.7	3.0	3.1	3.2	3.0	2.8	2.9	3.3	2.7	2.5	-6.6%	-0.9%	0.1%
Croatia	2.7	2.3	2.4	2.5	2.9	2.7	2.8	2.9	2.8	2.5	2.5	0.8%	-0.6%	0.1%
Czech Republic	8.1	7.2	7.5	8.2	8.4	8.0	8.3	8.5	9.1	7.4	6.7	-9.2%	-1.9%	0.2%
Denmark	3.8	3.3	3.3	3.4	3.2	3.1	2.9	2.3	2.4	1.7	1.6	-3.7%	-8.2%	†
Estonia	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	-8.4%	-5.4%	†
Finland	3.0	2.7	2.3	2.0	1.8	2.1	2.0	2.1	2.1	1.1	1.2	6.2%	-8.7%	†
France	45.1	37.9	40.8	44.5	44.8	42.8	43.7	40.6	43.0	38.4	33.9	-11.7%	-2.8%	0.8%
Germany	85.0	73.9	77.0	84.9	87.7	85.9	89.3	87.1	91.7	77.5	75.7	-2.4%	-1.2%	1.9%
Greece	4.1	3.2	3.4	4.4	5.4	5.2	5.8	6.3	7.0	6.2	5.4	-13.1%	2.6%	0.1%
Hungary	9.1	8.1	8.7	9.3	9.9	9.6	9.8	10.2	10.8	9.2	8.2	-10.9%	-1.0%	0.2%
Ireland	4.5	4.3	4.4	4.9	5.0	5.2	5.3	5.3	5.1	5.2	4.8	-7.2%	0.8%	0.1%
Italy	66.7	59.0	64.3	67.5	71.6	69.2	70.8	67.6	72.4	65.2	58.6	-10.1%	-1.3%	1.5%
Latvia	1.4	1.3	1.3	1.3	1.2	1.4	1.3	1.1	1.2	0.8	0.8	-5.3%	-5.9%	†
Lithuania	2.5	2.4	2.4	2.1	2.2	2.2	2.2	2.4	2.2	1.6	1.6	-2.6%	-4.6%	†
Luxembourg	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.7	0.8	0.6	0.6	-6.3%	-5.7%	†
Netherlands	39.1	34.3	33.8	35.2	36.3	35.6	37.2	36.1	34.8	27.5	25.8	-6.4%	-4.1%	0.6%
North Macedonia	0.2	0.1	0.1	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	26.6%	8.9%	†
Norway	4.0	4.3	4.6	4.4	4.6	4.5	4.6	4.5	4.3	3.9	3.8	-3.4%	-0.6%	0.1%
Poland	17.4	17.0	17.1	18.3	19.2	19.9	20.9	21.1	22.4	18.6	19.6	5.3%	1.2%	0.5%
Portugal	4.3	4.1	4.8	5.1	6.3	5.8	6.1	6.0	5.8	5.6	4.5	-19.8%	0.4%	0.1%
Romania	11.4	10.9	10.4	10.5	11.3	11.6	10.8	11.3	11.6	9.7	9.1	-6.4%	-2.3%	0.2%
Slovakia	5.3	4.4	4.5	4.5	4.8	4.7	4.8	4.8	5.3	4.4	4.2	-4.8%	-2.3%	0.1%
Slovenia	0.8	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	-3.5%	-0.6%	†
Spain	30.3	27.5	28.5	29.1	31.7	31.5	36.0	32.5	34.3	33.0	29.3	-11.1%	-0.3%	0.7%
Sweden	1.0	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.1	0.8	0.7	-10.4%	-3.5%	†
Switzerland	3.6	3.1	3.3	3.5	3.5	3.3	3.4	3.3	3.6	3.0	2.7	-7.4%	-2.6%	0.1%
Türkiye	44.0	46.6	46.0	44.5	51.6	47.2	43.4	46.2	57.3	51.2	48.4	-5.5%	1.0%	1.2%
Ukraine	47.7	40.3	32.0	31.4	30.2	30.6	28.3	29.3	27.3	18.3	18.7	2.6%	-8.9%	0.5%
United Kingdom	76.3	70.1	72.0	79.9	78.2	78.8	77.9	73.1	76.9	70.9	63.5	-10.4%	-1.8%	1.6%
Other Europe	4.2	4.1	4.5	4.6	5.3	5.3	5.5	5.5	6.2	6.7	7.0	4.3%	5.2%	0.2%
Total Europe	554.9	500.3	509.3	537.2	559.3	548.3	555.4	541.8	572.5	497.7	463.4	-6.9%	-1.8%	11.6%
Azerbaijan	9.4	9.9	11.1	10.9	10.6	10.8	11.8	12.4	12.8	13.6	15.1	11.1%	4.8%	0.4%
Belarus	19.3	19.1	17.9	17.8	18.2	19.3	19.2	17.8	18.8	18.5	16.8	-9.1%	-1.4%	0.4%
Kazakhstan	11.2	14.8	13.8	15.0	16.7	16.7	19.7	17.7	21.6	21.3	21.4	0.7%	6.7%	0.5%
Russian Federation	424.9	422.2	408.7	420.6	431.1	454.5	444.3	423.5	431.5	448.4	453.4	1.1%	0.7%	11.3%
Turkmenistan	19.3	20.0	25.4	25.1	24.8	28.4	27.7	34.3	36.8	37.5	36.8	-2.1%	6.6%	0.9%
Uzbekistan	46.2	48.5	46.3	43.3	44.8	44.4	44.6	43.6	46.5	48.3	46.6	-3.6%	0.1%	1.2%
Other CIS	4.8	5.3	5.2	5.1	5.1	5.9	5.6	5.9	5.8	5.5	6.0	8.7%	2.3%	0.1%
Total CIS	535.0	539.8	528.4	538.0	551.2	580.0	572.9	555.0	573.8	593.1	596.0	0.5%	1.1%	14.9%
Iran	153.8	173.4	184.0	196.3	205.0	212.6	218.4	236.8	229.5	239.4	245.6	2.6%	4.8%	6.1%
Iraq	7.1	7.5	7.3	9.9	11.4	14.6	19.5	18.5	16.4	18.4	18.7	1.9%	10.2%	0.5%
Israel	6.6	7.2	8.0	9.2	9.8	10.6	10.7	11.3	11.7	12.1	12.6	3.5%	6.7%	0.3%
Kuwait	17.8	17.9	20.3	21.1	21.0	21.2	18.4	17.9	19.8	21.7	22.5	3.7%	2.4%	0.6%
Oman	21.7	21.3	23.1	22.9	23.4	25.0	25.0	25.9	28.0	28.5	29.5	3.4%	3.1%	0.7%
Qatar	35.3	38.4	43.3	41.3	41.1	40.3	41.4	38.4	40.1	40.3	44.2	9.6%	2.3%	1.1%
Saudi Arabia	95.0	97.3	99.2	105.3	109.3	112.1	111.2	113.1	114.5	116.7	114.1	-2.2%	1.8%	2.8%
United Arab Emirates	64.7	63.4	71.5	71.9	65.7	59.6	67.2	67.9	65.5	66.1	66.9	1.1%	0.3%	1.7%
Other Middle East	21.3	20.9	22.5	23.1	23.2	22.0	23.2	23.2	23.6	22.8	23.7	4.1%	1.1%	0.6%
Total Middle East	423.3	447.4	479.3	501.1	509.8	517.9	534.8	552.9	549.1	566.1	577.7	2.0%	3.2%	14.4%
Algeria	32.1	36.1	37.9	38.6	39.5	43.4	45.1	43.4	48.2	50.3	46.3	-8.0%	3.7%	1.2%
Egypt	49.5	46.2	46.0	49.4	55.9	59.6	59.0	58.3	62.1	60.6	60.0	-0.9%	1.9%	1.5%
Morocco	1.2	1.2	1.2	1.2	1.2	1.1	1.0	0.8	0.8	0.2	0.9	298.8%	-3.1%	†
South Africa	4.1	4.3	4.3	3.7	4.0	4.4	4.3	4.0	4.2	4.3	4.7	11.2%	1.6%	0.1%
Eastern Africa	1.1	1.3	1.6	2.0	2.0	2.1	2.4	2.3	2.7	2.9	2.9	3.0%	9.9%	0.1%
Middle Africa	4.0	3.9	4.2	5.5	5.5	5.6	5.0	5.4	6.0	5.7	4.9	-13.3%	2.1%	0.1%
Western Africa	12.7	16.0	23.9	21.1	22.1	23.6	24.3	26.0	34.5	33.0	32.0	-3.1%	9.7%	0.8%
Other Northern Africa	12.3	11.3	11.6	13.6	15.4	15.6	16.6	14.1	18.1	17.7	19.4	9.3%	4.6%	0.5%
Total Africa	117.0	120.2	130.8	135.0	145.6	155.3	157.7	154.2	176.6	174.7	171.2	-2.0%	3.9%	4.3%
Australia	35.0	37.6	39.0	38.0	37.3	37.2	44.1	42.3	39.6	43.2	40.1	-7.2%	1.4%	1.0%
Bangladesh	22.0	23.0	25.9	26.5	26.6	27.4	30.9	29.9	30.6	28.7	28.1	-2.0%	2.5%	0.7%
China	171.9	188.4	194.7	209.4	241.3	283.9	308.4	336.6	380.3	377.6	404.8	7.2%	8.9%	10.1%
China Hong Kong SAR	2.5	2.4	3.0	3.1	3.1	3.0	3.1	4.9	4.8	4.5	4.8	6.9%	6.9%	0.1%
India	49.0	48.5	47.8	50.8	53.6	58.0	59.2	60.4	62.4	58.3	62.6	7.5%	2.5%	1.6%
Indonesia	42.5	42.6	44.0	45.4	44.5	45.3	45.5	42.6	42.9	44.0	45.4	3.2%	0.7%	1.1%
Japan	123.5	124.8	118.7	116.4	117.0	115.7	108.1	104.1	103.5	100.2	92.4	-7.8%	-2.9%	2.3%
Malaysia	44.6	44.7	46.8	45.0	45.0	44.7	45.2	43.6	51.4	51.9	46.1	-11.3%	0.3%	1.1%
New Zealand	4.7	5.2	4.8	4.8	5.0	4.5	4.8	4.6	3.9	3.6	3.8	5.1%	-2.1%	0.1%
Pakistan	35.6	35.0	36.5	4.0	40.7	43.6	44.5	41.2	44.9	38.2	37.8	-0.9%	0.6%	0.9%
Philippines	3.4	3.5	3.3	3.8	3.8	4.1	4.2	3.8	3.3	3.1	3.2	4.0%	-0.5%	0.1%
Singapore	10.0	10.4	11.6	11.9	12.3	12.3								

Exajoules												Growth rate per annum		Share
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013–23	2023
Canada	3.80	3.95	3.97	3.80	3.95	4.24	4.27	4.15	4.27	4.46	4.35	-2.5%	1.4%	3.0%
Mexico	2.80	2.84	2.91	2.99	3.10	3.25	3.36	3.32	3.30	3.27	3.51	7.3%	2.3%	2.4%
US	25.45	26.00	26.77	26.97	26.64	29.59	30.64	30.04	30.11	31.67	31.91	0.8%	2.3%	22.1%
Total North America	32.05	32.79	33.65	33.76	33.68	37.08	38.27	37.52	37.68	39.40	39.77	1.0%	2.2%	27.6%
Argentina	1.66	1.66	1.68	1.74	1.74	1.75	1.68	1.58	1.65	1.65	1.62	-2.0%	-0.2%	1.1%
Brazil	1.38	1.46	1.55	1.34	1.35	1.29	1.29	1.13	1.46	1.15	1.08	-6.3%	-2.4%	0.7%
Chile	0.19	0.16	0.17	0.21	0.20	0.20	0.23	0.22	0.25	0.26	0.25	-3.5%	2.8%	0.2%
Colombia	0.38	0.41	0.40	0.43	0.43	0.46	0.46	0.47	0.45	0.45	0.47	3.7%	2.2%	0.3%
Ecuador	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	-7.9%	-5.3%	†
Peru	0.24	0.27	0.28	0.31	0.27	0.29	0.30	0.29	0.32	0.35	0.36	2.8%	4.2%	0.3%
Trinidad & Tobago	0.73	0.74	0.71	0.61	0.66	0.63	0.63	0.55	0.56	0.56	0.52	-6.2%	-3.3%	0.4%
Venezuela	1.16	1.22	1.33	1.34	1.39	1.14	0.92	0.78	1.01	1.05	1.07	2.2%	-0.8%	0.7%
Central America	–	–	–	–	–	0.01	0.02	0.01	0.01	0.02	0.04	83.6%	–	†
Other Caribbean	0.13	0.13	0.13	0.14	0.12	0.14	0.16	0.17	0.20	0.19	0.23	20.8%	5.9%	0.2%
Other South America	0.12	0.13	0.12	0.13	0.14	0.14	0.14	0.12	0.13	0.14	0.16	11.1%	2.9%	0.1%
Total S. & Cent. America	6.02	6.21	6.40	6.27	6.34	6.08	5.85	5.35	6.07	5.85	5.82	-0.5%	-0.3%	4.0%
Austria	0.30	0.27	0.29	0.30	0.33	0.31	0.32	0.31	0.32	0.28	0.25	-13.0%	-1.7%	0.2%
Belgium	0.60	0.52	0.57	0.58	0.59	0.61	0.63	0.61	0.61	0.52	0.49	-5.8%	-1.9%	0.3%
Bulgaria	0.10	0.10	0.11	0.11	0.12	0.11	0.10	0.11	0.12	0.10	0.09	-6.6%	-0.9%	0.1%
Croatia	0.10	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.10	0.09	0.09	0.8%	-0.6%	0.1%
Czech Republic	0.29	0.26	0.27	0.29	0.30	0.29	0.30	0.30	0.33	0.27	0.24	-9.2%	-1.9%	0.2%
Denmark	0.14	0.12	0.12	0.12	0.12	0.11	0.10	0.08	0.09	0.06	0.06	-3.7%	-8.2%	†
Estonia	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	-8.4%	-5.4%	†
Finland	0.11	0.10	0.08	0.07	0.07	0.08	0.07	0.07	0.07	0.04	0.04	6.2%	-8.7%	†
France	1.63	1.36	1.47	1.60	1.61	1.54	1.57	1.46	1.55	1.38	1.22	-11.7%	-2.8%	0.8%
Germany	3.06	2.66	2.77	3.06	3.16	3.09	3.21	3.14	3.30	2.79	2.72	-2.4%	-1.2%	1.9%
Greece	0.15	0.11	0.12	0.16	0.19	0.19	0.21	0.23	0.25	0.22	0.19	-13.1%	2.6%	0.1%
Hungary	0.33	0.29	0.31	0.34	0.36	0.35	0.35	0.37	0.39	0.33	0.29	-10.9%	-1.0%	0.2%
Ireland	0.16	0.16	0.16	0.18	0.18	0.19	0.19	0.19	0.18	0.19	0.17	-7.2%	0.8%	0.1%
Italy	2.40	2.12	2.32	2.43	2.58	2.49	2.55	2.43	2.61	2.35	2.11	-10.1%	-1.3%	1.5%
Latvia	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.04	0.04	0.03	0.03	-5.3%	-5.9%	†
Lithuania	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.06	0.06	-2.6%	-4.6%	†
Luxembourg	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-6.3%	-5.7%	†
Netherlands	1.41	1.24	1.22	1.27	1.31	1.28	1.34	1.30	1.25	0.99	0.93	-6.4%	-4.1%	0.6%
North Macedonia	0.01	^	^	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	26.6%	8.9%	†
Norway	0.15	0.16	0.17	0.16	0.17	0.16	0.17	0.16	0.15	0.14	0.14	-3.4%	-0.6%	0.1%
Poland	0.63	0.61	0.62	0.66	0.69	0.72	0.75	0.76	0.81	0.67	0.70	5.3%	1.2%	0.5%
Portugal	0.16	0.15	0.17	0.18	0.23	0.21	0.22	0.22	0.21	0.20	0.16	-19.8%	0.4%	0.1%
Romania	0.41	0.39	0.37	0.38	0.41	0.42	0.39	0.41	0.42	0.35	0.33	-6.4%	-2.3%	0.2%
Slovakia	0.19	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.19	0.16	0.15	-4.8%	-2.3%	0.1%
Slovenia	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-3.5%	-0.6%	†
Spain	1.09	0.99	1.03	1.05	1.14	1.13	1.30	1.17	1.24	1.19	1.05	-11.1%	-0.3%	0.7%
Sweden	0.04	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.03	0.03	-10.4%	-3.5%	†
Switzerland	0.13	0.11	0.12	0.13	0.13	0.12	0.12	0.12	0.13	0.11	0.10	-7.4%	-2.6%	0.1%
Türkiye	1.58	1.68	1.65	1.60	1.86	1.70	1.56	1.66	2.06	1.84	1.74	-5.5%	1.0%	1.2%
Ukraine	1.72	1.45	1.15	1.13	1.09	1.10	1.02	1.06	0.98	0.66	0.67	2.6%	-8.9%	0.5%
United Kingdom	2.75	2.52	2.59	2.88	2.82	2.84	2.80	2.63	2.77	2.55	2.29	-10.4%	-1.8%	1.6%
Other Europe	0.15	0.15	0.16	0.17	0.19	0.19	0.20	0.20	0.22	0.24	0.25	4.3%	5.2%	0.2%
Total Europe	19.98	18.01	18.34	19.34	20.13	19.74	20.00	19.50	20.61	17.92	16.68	-6.9%	-1.8%	11.6%
Azerbaijan	0.34	0.35	0.40	0.39	0.38	0.39	0.42	0.45	0.46	0.49	0.54	11.1%	4.8%	0.4%
Belarus	0.69	0.69	0.64	0.64	0.66	0.70	0.69	0.64	0.68	0.66	0.60	-9.1%	-1.4%	0.4%
Kazakhstan	0.40	0.53	0.50	0.54	0.60	0.60	0.71	0.64	0.78	0.77	0.77	0.7%	6.7%	0.5%
Russian Federation	15.30	15.20	14.71	15.14	15.52	16.36	16.00	15.25	15.54	16.14	16.32	1.1%	0.7%	11.3%
Turkmenistan	0.70	0.72	0.91	0.90	0.89	1.02	1.00	1.23	1.32	1.35	1.32	-2.1%	6.6%	0.9%
Uzbekistan	1.66	1.75	1.67	1.56	1.61	1.60	1.61	1.57	1.67	1.74	1.68	-3.6%	0.1%	1.2%
Other CIS	0.17	0.19	0.19	0.19	0.18	0.21	0.20	0.21	0.21	0.20	0.22	8.7%	2.3%	0.1%
Total CIS	19.26	19.43	19.02	19.37	19.84	20.88	20.62	19.98	20.66	21.35	21.46	0.5%	1.1%	14.9%
Iran	5.54	6.24	6.62	7.07	7.38	7.66	7.86	8.52	8.26	8.62	8.84	2.6%	4.8%	6.1%
Iraq	0.25	0.27	0.26	0.36	0.41	0.53	0.70	0.67	0.59	0.66	0.67	1.9%	10.2%	0.5%
Israel	0.24	0.26	0.29	0.33	0.35	0.38	0.39	0.41	0.42	0.44	0.45	3.5%	6.7%	0.3%
Kuwait	0.64	0.64	0.73	0.76	0.76	0.76	0.66	0.64	0.71	0.78	0.81	3.7%	2.4%	0.6%
Oman	0.78	0.77	0.83	0.83	0.84	0.90	0.90	0.93	1.01	1.03	1.06	3.4%	3.1%	0.7%
Qatar	1.27	1.38	1.56	1.49	1.48	1.45	1.49	1.38	1.44	1.45	1.59	9.6%	2.3%	1.1%
Saudi Arabia	3.42	3.50	3.57	3.79	3.93	4.04	4.00	4.07	4.12	4.20	4.11	-2.2%	1.8%	2.8%
United Arab Emirates	2.33	2.28	2.57	2.59	2.36	2.14	2.42	2.44	2.36	2.38	2.41	1.1%	0.3%	1.7%
Other Middle East	0.77	0.75	0.81	0.83	0.84	0.79	0.83	0.84	0.85	0.82	0.85	4.1%	1.1%	0.6%
Total Middle East	15.24	16.11	17.25	18.04	18.35	18.64	19.25	19.90	19.77	20.38	20.80	2.0%	3.2%	14.4%
Algeria	1.16	1.30	1.37	1.39	1.42	1.56	1.62	1.56	1.73	1.81	1.67	-8.0%	3.7%	1.2%
Egypt	1.78	1.66	1.66	1.78	2.01	2.15	2.13	2.10	2.24	2.18	2.16	-0.9%	1.9%	1.5%
Morocco	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.01	0.03	298.8%	-3.1%	†
South Africa	0.15	0.15	0.16	0.13	0.14	0.16	0.15	0.14	0.15	0.15	0.17	11.2%	1.6%	0.1%
Eastern Africa	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.08	0.10	0.10	0.11	3.0%	9.9%	0.1%
Middle Africa	0.14	0.14	0.15	0.20	0.20	0.20	0.18	0.20	0.22	0.20	0.16	-21.5%	1.1%	0.1%
Western Africa	0.46	0.58	0.86	0.76	0.79	0.85	0.87	0.93	1.24	1.19	1.15	-3.1%	9.7%	0.8%
Other Northern Africa	0.44	0.41	0.42	0.49	0.56	0.56	0.60	0.51	0.65	0.64	0.70	9.3%	4.6%	0.5%
Total Africa	4.21	4.33	4.71	4.86	5.24	5.59	5.68	5.55	6.36	6.29	6.15	-2.3%	3.9%	4.3%
Australia	1.26	1.35	1.40	1.37	1.34	1.34	1.59	1.52	1.42	1.56	1.44	-7.2%	1.4%	1.0%
Bangladesh	0.79	0.83	0.93	0.95	0.96	0.99	1.11	1.08	1.10	1.03	1.01	-2.0%	2.5%	0.7%
China	6.19	6.78	7.01	7.54	8.69	10.22	11.10	12.12	13.69	13.60	14.57	7.2%	8.9%	10.1%
China Hong Kong SAR	0.09	0.09	0.11	0.11	0.11	0.11	0.11	0.18	0.17	0.16	0.17	6.9%	6.9%	0.1%
India	1.76	1.75	1.72	1.83	1.93	2.09	2.13	2.17	2.25	2.10	2.25	7.5%	2.5%	1.6%
Indonesia	1.53	1.53	1.59	1.64	1.60	1.63	1.64	1.53	1.55	1.59	1.64	3.2%	0.7%	1.1%
Japan	4.45	4.49	4.27	4.19	4.21	4.17	3.89	3.75	3.73	3.61	3.33	-7.8%	-2.9	

LNG USD\$/mmBTU				Natural gas USD\$/mmBTU				Hydrogen USD\$/kg				Ammonia USD\$/mt			
Japan ¹	China (mainland) ²	South Korea ²		Zeebrugge ²	UK NBP ³	Netherlands TTF ³	US Henry Hub ⁴	US Gulf Coast ⁵	Northwest Europe ⁵	Middle East ⁵	Far East Asia ⁵	US Gulf Coast ⁶	Northwest Europe ⁷	Middle East ⁸	Far East Asia ⁹
1984	5.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1985	5.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1986	4.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1987	3.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1988	3.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1989	3.28	—	—	—	—	—	1.70	—	—	—	—	—	—	—	—
1990	3.64	—	—	—	—	—	1.64	—	—	—	—	—	—	—	—
1991	3.99	—	—	—	—	—	1.49	—	—	—	—	—	—	—	—
1992	3.62	—	—	—	—	—	1.77	—	—	—	—	—	—	—	—
1993	3.52	—	—	—	—	—	2.12	—	—	—	—	—	—	—	—
1994	3.18	—	—	—	—	—	1.92	—	—	—	—	—	—	—	—
1995	3.46	—	—	—	—	—	1.69	—	—	—	—	—	—	—	—
1996	3.66	—	—	—	1.87	—	2.76	—	—	—	—	—	—	—	—
1997	3.91	—	—	—	1.96	—	2.53	—	—	—	—	—	—	—	—
1998	3.05	—	—	—	1.86	—	2.08	—	—	—	—	—	—	—	—
1999	3.14	—	—	—	1.58	—	2.27	—	—	—	—	—	—	—	—
2000	4.72	—	—	—	2.71	—	4.23	—	—	—	—	—	—	—	—
2001	4.64	—	—	—	3.17	—	4.07	—	—	—	—	—	—	—	—
2002	4.27	—	—	—	2.37	—	3.33	—	—	—	—	—	—	—	—
2003	4.77	—	—	—	3.33	—	5.63	—	—	—	—	—	—	—	—
2004	5.18	—	—	—	4.46	—	5.85	—	—	—	—	—	—	—	—
2005	5.80	—	7.18	7.11	7.11	5.81	8.80	—	—	—	—	—	—	—	—
2006	6.86	—	8.64	7.63	7.49	7.26	6.74	—	—	—	—	—	—	—	—
2007	7.47	3.76	8.84	6.09	5.98	5.90	6.95	—	—	—	—	—	—	—	—
2008	12.24	4.79	13.27	10.78	10.66	10.67	8.84	—	—	—	—	—	—	—	—
2009	8.73	4.41	9.28	4.84	4.79	4.91	3.92	—	—	—	—	—	—	—	—
2010	10.55	6.19	9.74	6.61	6.52	6.69	4.38	—	—	—	—	—	—	—	—
2011	14.30	8.80	12.37	9.14	9.00	9.18	3.99	—	—	—	—	—	—	—	—
2012	16.17	10.69	14.37	9.39	9.42	9.37	2.75	—	—	—	—	—	—	—	—
2013	15.55	11.15	14.47	10.52	10.60	10.52	3.72	—	—	—	—	—	—	—	—
2014	15.73	11.76	15.84	8.13	8.22	8.11	4.34	—	—	—	—	—	—	—	—
2015	9.96	8.66	10.28	6.41	6.52	6.45	2.61	—	—	—	—	—	—	—	—
2016	6.73	6.54	6.69	4.50	4.65	4.53	2.81	—	—	—	—	—	—	—	—
2017	7.87	7.33	7.84	5.66	5.78	5.71	2.96	—	—	—	—	—	—	—	—
2018	9.78	9.43	9.96	7.84	7.97	7.88	3.12	—	—	—	—	—	—	—	—
2019	9.70	9.15	9.58	4.39	4.46	4.46	2.51	—	—	—	—	—	—	—	—
2020	7.65	6.73	7.41	3.07	3.17	3.13	1.99	—	—	—	—	—	—	—	—
2021	9.93	10.66	10.50	15.57	15.45	15.67	3.84	—	—	—	—	—	—	—	—
2022	16.98	15.59	20.00	30.96	24.55	37.09	6.38	2.25	—	4.67	7.78	1174.26	1241.78	1042.60	999.74
2023	13.22	12.11	14.82	12.69	12.30	12.87	2.53	1.52	3.92	2.92	3.90	506.97	542.17	432.53	501.43

¹ Source: EDMC Energy Trend, bp analysis to 2004. From 2005, S&P Global Commodity Insights, ©2024 by S&P Global Inc.

² Source: S&P Global Commodity Insights, ©2024 by S&P Global Inc.

³ Source: ICIS Heren Energy Ltd to 2004. From 2005, S&P Global Commodity Insights, ©2024 by S&P Global Inc.

⁴ Source: US Energy Information Administration (EIA) to 2004. From 2005, S&P Global Commodity Insights, ©2024 by S&P Global Inc.

⁵ S&P Global Commodity Insights, ©2024 by S&P Global Inc, carbon neutral hydrogen ex-works \$/kg.

⁶ S&P Global Commodity Insights, ©2024 by S&P Global Inc, CFR \$/mt.

⁷ S&P Global Commodity Insights, ©2024 by S&P Global Inc, FOB \$/mt.

Note: cfr = cost+freight (average prices), fob = free on board (average prices).

Hydrogen

												Growth rate per annum		Share
Production capacity thousand tonnes	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013–23	2023
North America														
Blue	1217.9	1217.9	1546.4	1546.4	1546.4	1546.4	1546.4	2090.1	2090.1	2090.1	2091.6	0.1%	5.6%	43.3%
Green	—	3.9	3.9	3.9	3.9	4.2	4.2	4.5	7.3	18.7	19.4	3.8%	—	0.4%
Total North America	1217.9	1221.8	1550.3	1550.3	1550.3	1550.5	1550.6	2094.6	2097.3	2108.8	2111.0	0.1%	5.7%	43.7%
S. & Cent. America														
Blue	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Green	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	1.1	309.3%	30.7%	†
Total S. & Cent. America	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	1.1	309.3%	30.7%	†
Europe														
Blue	—	—	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.1	0.6%	—	0.9%
Green	1.9	2.1	2.1	2.2	14.9	15.6	16.2	18.8	21.2	27.3	31.6	16.1%	32.6%	0.7%
Total Europe	1.9	2.1	46.0	46.0	58.8	59.5	60.1	62.6	65.0	71.1	75.8	6.5%	44.7%	1.6%
CIS														
Blue	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Green	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total CIS	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Middle East														
Blue	291.4	291.4	428.2	428.2	428.2	428.2	428.2	428.2	428.2	621.9	621.9	—	7.9%	12.9%
Green	—	—	—	—	—	—	—	—	0.1	0.1	0.1	—	—	†
Total Middle East	291.4	291.4	428.2	428.2	428.2	428.2	428.2	428.2	428.3	622.0	622.0	—	7.9%	12.9%
Africa														
Blue	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Green	—	—	—	—	—	—	—	—	—	1.7	1.7	—	—	†
Total Africa	—	—	—	—	—	—	—	—	—	1.7	1.7	—	—	†
Asia Pacific														
Blue	1859.3	1859.3	1859.3	1934.3	1934.3	1934.3	1934.3	1859.3	1859.3	1929.3	1929.7	†	0.4%	39.9%
Green	0.3	0.4	0.4	0.6	0.6	0.9	1.4	3.3	8.6	40.1	93.6	133.3%	80.3%	1.9%
Total Asia Pacific	1859.6	1859.8	1859.8	1934.9	1934.9	1935.2	1935.7	1862.6	1867.9	1969.5	2023.3	2.7%	0.8%	41.8%
World														
Blue	3368.6	3368.6	3877.8	3952.8	3952.8	3952.8	3952.8	4421.6	4421.6	4685.2	4687.3	†	3.4%	96.9%
Green	2.2	6.5	6.5	6.7	19.5	20.7	21.9	26.6	37.1	88.2	147.6	67.4%	52.1%	3.1%
Total World	3370.8	3375.1	3884.3	3959.5	3972.3	3973.5	3974.7	4448.1	4458.7	4773.4	4834.9	1.3%	3.7%	100.0%
OECD														
Blue	1217.9	1217.9	1590.2	1665.2	1665.2	1665.2	1665.2	2134.0	2134.0	2134.0	2136.1	0.1%	5.8%	44.2%
Green	1.9	6.0	6.0	6.1	18.8	19.8	20.5	23.9	29.3	47.9	53.9	12.4%	39.8%	1.1%
Total OECD	1219.8	1223.9	1596.2	1671.3	1684.1	1685.0	1685.7	2157.9	2163.3	2181.9	2189.9	0.4%	6.0%	45.3%
Non-OECD														
Blue	2150.7	2150.7	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2551.2	2551.2	0.0%	1.7%	52.8%
Green	0.3	0.5	0.5	0.6	0.6	0.9	1.4	2.7	7.8	40.3	93.8	132.8%	75.6%	1.9%
Total Non-OECD	2151.1	2151.2	2288.1	2288.2	2288.2	2288.5	2289.0	2290.2	2295.4	2591.5	2645.0	2.1%	2.1%	54.7%

† Less than 0.05%.

Source: Rystad Energy. For further information please contact billy.snaith@rystadenergy.com

Billion cubic metres	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Growth rate per annum		Share
												2023	2013–23	2023
US														
Pipeline imports	75.9	71.8	71.6	79.5	80.5	76.7	73.3	68.2	75.9	82.1	79.0	-3.8%	0.4%	8.4%
LNG imports	2.7	1.7	2.5	2.4	2.2	2.1	1.5	1.3	0.6	0.7	0.5	-33.4%	-16.1%	†
Total imports	78.6	73.5	74.1	82.0	82.7	78.8	74.7	69.5	76.5	82.8	79.5	-4.0%	0.1%	8.5%
Pipeline exports	42.5	40.4	47.2	58.7	65.7	67.8	77.4	78.9	84.3	82.8	89.1	7.6%	7.7%	9.5%
LNG exports*	0.2	0.4	0.7	4.0	17.1	28.6	47.4	61.3	94.5	104.5	114.4	9.4%	93.8%	12.2%
Total exports	42.7	40.8	47.9	62.7	82.8	96.3	124.8	140.2	178.8	187.3	203.4	8.6%	16.9%	21.7%
Other North America														
Pipeline imports	42.5	40.4	47.2	58.7	65.7	67.8	77.4	78.9	84.3	82.8	89.1	7.6%	7.7%	9.5%
LNG imports	8.8	9.8	7.4	5.9	7.0	7.5	7.1	3.4	1.6	0.9	1.2	30.6%	-18.4%	0.1%
Total imports	51.3	50.2	54.7	64.5	72.7	75.3	84.5	82.2	85.9	83.7	90.2	7.8%	5.8%	9.6%
Pipeline exports	75.9	71.8	71.6	79.5	80.5	76.7	73.3	68.2	75.9	82.1	79.0	-3.8%	0.4%	8.4%
LNG exports*	–	†	†	†	†	0.1	†	†	†	†	0.1	22.3%	–	†
Total exports	75.9	71.9	71.6	79.6	80.6	76.7	73.3	68.2	75.9	82.1	79.1	-3.7%	0.4%	8.4%
Brazil														
Pipeline imports	11.0	11.4	11.2	9.8	8.4	7.6	6.4	6.2	7.1	6.1	5.4	-11.8%	-6.9%	0.6%
LNG imports	5.2	7.1	6.8	2.6	1.7	2.9	3.2	3.3	10.1	2.3	1.3	-42.5%	-13.0%	0.1%
Total imports	16.3	18.5	18.0	12.4	10.1	10.5	9.7	9.5	17.2	8.4	6.7	-20.1%	-8.5%	0.7%
LNG exports*	0.1	0.2	†	0.6	0.2	0.1	–	–	0.1	–	0.3	–	15.5%	†
Total exports	0.1	0.2	†	0.6	0.2	0.1	–	–	0.1	–	0.3	–	15.5%	†
Other S&C America														
LNG imports	12.9	12.5	12.1	12.6	11.7	11.6	9.9	10.5	14.2	11.9	14.5	22.0%	1.2%	1.5%
Total imports	12.9	12.5	12.1	12.6	11.7	11.6	9.9	10.5	14.2	11.9	14.5	22.0%	1.2%	1.5%
Pipeline exports	11.0	11.4	11.2	9.8	8.4	7.6	6.4	6.2	7.1	6.1	5.4	-11.8%	-6.9%	0.6%
LNG exports*	24.1	23.3	21.4	19.9	19.1	21.4	22.5	19.8	13.2	16.4	16.6	1.0%	-3.7%	1.8%
Total exports	35.1	34.7	32.6	29.7	27.5	29.0	28.9	26.0	20.3	22.6	22.0	-2.5%	-4.6%	2.3%
Europe														
Pipeline imports	234.1	209.4	215.0	230.6	247.2	247.4	236.9	211.0	232.8	151.4	111.6	-26.3%	-7.1%	11.9%
LNG imports	51.8	52.1	56.0	56.4	64.8	71.2	119.4	116.2	107.5	172.1	169.1	-1.8%	12.6%	18.0%
Total imports	285.9	261.5	271.0	287.0	312.0	318.6	356.3	327.2	340.3	323.6	280.7	-13.2%	-0.2%	30.0%
LNG exports*	9.0	13.0	11.0	10.6	7.9	11.7	8.8	7.0	4.2	7.9	9.2	15.9%	0.2%	1.0%
Total exports	9.0	13.0	11.0	10.6	7.9	11.7	8.8	7.0	4.2	8.1	10.2	25.9%	1.3%	1.1%
Russian Federation														
Pipeline imports	32.9	33.1	26.5	24.3	28.6	24.6	30.3	10.7	14.8	7.7	5.7	-26.2%	-16.1%	0.6%
Total imports	32.9	33.1	26.5	24.3	28.6	24.6	30.3	10.7	14.8	7.7	5.7	-26.2%	-16.1%	0.6%
Pipeline exports	210.7	189.6	194.2	202.0	219.7	222.4	220.7	197.4	201.3	125.0	95.4	-23.6%	-7.6%	10.2%
LNG exports	14.5	13.6	14.6	14.6	15.4	24.9	39.1	41.8	39.5	43.4	42.7	-1.8%	11.4%	4.6%
Total exports	225.2	203.2	208.8	216.7	235.2	247.3	259.8	239.2	240.9	168.4	138.1	-18.0%	-4.8%	14.7%
Other CIS														
Pipeline imports	24.0	26.3	25.4	26.3	28.8	30.4	29.8	26.7	26.7	24.7	24.9	0.9%	0.4%	2.7%
Total imports	24.0	26.3	25.4	26.3	28.8	30.4	29.8	26.7	26.7	24.7	24.9	0.9%	0.4%	2.7%
Pipeline exports	69.5	75.4	72.6	72.8	78.0	80.8	85.2	61.5	75.4	69.9	65.7	-6.0%	-0.6%	7.0%
Total exports	69.5	75.4	72.6	72.8	78.0	80.8	85.2	61.5	75.4	69.9	65.7	-6.0%	-0.6%	7.0%
Middle East														
Pipeline imports	6.3	7.6	9.6	7.3	4.6	2.1	1.6	0.6	0.8	1.0	0.6	-41.5%	-21.4%	0.1%
LNG imports	4.3	5.3	9.8	13.7	13.0	9.4	9.4	9.1	9.6	9.5	10.1	7.1%	8.9%	1.1%
Total imports	10.6	12.9	19.4	21.1	17.7	11.5	11.0	9.7	10.4	10.4	10.7	2.6%	0.1%	1.1%
Pipeline exports	8.9	9.3	8.1	8.0	11.0	8.8	8.0	7.7	13.9	15.5	13.9	-10.2%	4.6%	1.5%
LNG exports	135.2	132.2	125.4	126.0	122.3	125.9	127.5	127.3	129.6	133.3	131.1	-1.7%	-0.3%	14.0%
Total exports	144.2	141.5	133.5	133.9	133.2	134.8	135.6	135.0	143.5	148.9	145.0	-2.6%	0.1%	15.5%
Africa														
Pipeline imports	–	–	–	–	–	–	–	2.1	4.0	6.2	9.2	47.8%	–	1.0%
LNG imports	–	–	3.9	10.7	8.3	3.2	–	–	–	–	†	–	–	†
Total imports	–	–	3.9	10.7	8.3	3.2	–	2.1	4.0	6.2	9.2	48.0%	–	1.0%
Pipeline exports	34.4	29.4	30.2	38.6	37.2	37.5	27.9	25.6	37.8	34.8	33.5	-3.6%	-0.3%	3.6%
LNG exports	47.0	49.5	48.5	46.2	55.7	53.5	61.6	56.0	58.1	54.1	55.5	2.6%	1.7%	5.9%
Total exports	81.4	78.9	78.7	84.8	92.9	91.0	89.5	81.6	95.9	88.9	89.0	0.1%	0.9%	9.5%
China														
Pipeline imports	26.4	30.3	32.4	36.8	39.9	47.9	47.7	45.1	53.2	58.4	61.3	5.0%	8.8%	6.5%
LNG imports	25.1	27.3	27.0	36.8	52.9	73.5	84.7	94.0	110.1	87.0	97.8	12.4%	14.6%	10.4%
Total imports	51.5	57.5	59.4	73.5	92.8	121.3	132.5	139.1	163.4	145.4	159.2	9.4%	12.0%	17.0%
LNG exports*	–	–	–	–	–	–	0.1	–	–	0.8	1.3	68.6%	–	0.1%
Total exports	–	–	–	–	–	–	0.1	–	–	0.8	1.3	68.6%	–	0.1%
India														
LNG imports	18.0	19.1	20.0	24.3	26.0	30.5	32.4	36.6	33.8	28.4	31.0	9.1%	5.6%	3.3%
Total imports	18.0	19.1	20.0	24.3	26.0	30.5	32.4	36.6	33.8	28.4	31.0	9.1%	5.6%	3.3%
LNG exports*	–	–	0.4	0.1	0.1	–	0.1	–	–	–	–	–	–	–
Total exports	–	–	0.4	0.1	0.1	–	0.1	–	–	–	–	–	–	–
OECD Asia														
Pipeline imports	5.9	5.2	5.8	5.5	4.9	4.9	4.3	5.3	4.8	2.3	0.9	-62.0%	-17.3%	0.1%
LNG imports	175.7	173.6	161.6	159.9	165.4	173.2	161.1	157.2	165.3	161.8	151.0	-6.7%	-1.5%	16.1%
Total imports	181.6	178.8	167.4	165.3	170.2	178.1	165.5	162.5	170.1	164.1	151.8	-7.5%	-1.8%	16.2%
LNG exports*	30.6	32.2	40.1	60.5	76.8	91.9	104.7	106.1	108.7	107.5	107.4	-0.1%	13.4%	11.5%
Total exports	30.6	32.2	40.1	60.5	76.8	91.9	104.7	106.1	108.7	107.5	107.4	-0.1%	13.4%	11.5%
Other Asia														
LNG imports	22.4	25.2	29.8	33.0	40.2	45.5	55.3	58.4	63.0	64.7	72.7	12.5%	12.5%	7.8%
Total imports	22.4	25.2	29.8	33.0	40.2	45.5	55.3	58.4	63.0	64.7	72.7	12.5%	12.5%	7.8%
Pipeline exports	6.1	8.1	9.5	9.2	8.1	7.8	8.7	9.2	8.7	6.3	4.5	-27.6%	-2.8%	0.5%
LNG exports*	66.2	69.3	75.0	75.8	78.5	72.4	72.4	70.7	68.0	71.3	70.3	-1.4%	0.6%	7.5%
Total exports	72.3	77.5	84.5	85.0	86.6	80.2	81.1	79.9	76.7	77.5	74.8	-3.5%	0.4%	8.0%
World														
Inter-regional pipeline trade	459.1	435.5	444.7	478.6	508.7	509.3	507.7	454.7	504.5	422.8	387.7	-8.3%	-1.7%	41.4%
LNG trade	326.8	333.6	337.1	358.3	393.3	430.4	484.2	490.0	515.9	539.3	54			

Natural gas LNG imports

Billion cubic metres	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Growth rate per annum		Share
												2023	2013–23	2023
Canada	1.0	0.5	0.6	0.3	0.4	0.6	0.5	0.8	0.7	0.3	0.2	-19.4%	-13.6%	†
Mexico	7.8	9.3	6.8	5.6	6.6	6.9	6.6	2.5	0.9	0.6	0.9	54.9%	-19.2%	0.2%
US	2.7	1.7	2.5	2.4	2.2	2.1	1.5	1.3	0.6	0.7	0.5	-33.4%	-16.1%	0.1%
Total North America	11.4	11.5	10.0	8.3	9.2	9.6	8.6	4.6	2.2	1.6	1.6	2.3%	-17.8%	0.3%
Argentina	6.3	6.2	5.6	5.1	4.6	3.6	1.8	1.8	3.7	2.4	2.7	14.5%	-8.1%	0.5%
Brazil	5.2	7.1	6.8	2.6	1.7	2.9	3.2	3.3	10.1	2.3	1.3	-42.5%	-13.0%	0.2%
Chile	3.8	3.5	3.7	4.5	4.4	4.3	3.3	3.7	4.5	3.3	3.6	6.8%	-0.6%	0.7%
Other S. & Cent. America	2.8	2.8	2.8	3.0	2.8	3.7	4.8	5.1	6.0	6.2	8.2	33.2%	11.4%	1.5%
Total S. & Cent. America	18.1	19.6	18.9	15.2	13.5	14.5	13.1	13.9	24.3	14.2	15.8	11.7%	-1.4%	2.9%
Belgium	3.1	2.9	3.6	2.4	1.3	3.3	7.3	6.4	5.4	12.5	11.8	-5.5%	14.2%	2.1%
France	8.3	6.9	6.4	9.1	10.9	12.7	23.2	19.1	17.6	35.5	30.7	-13.5%	14.0%	5.6%
Italy	5.8	4.5	5.9	5.9	8.3	8.2	13.5	12.5	9.5	14.7	16.3	11.4%	10.9%	3.0%
Spain	15.7	16.2	13.7	13.8	16.6	15.0	22.0	20.9	20.4	28.8	24.9	-13.5%	4.8%	4.5%
Türkiye	5.9	7.1	7.5	7.6	10.9	11.4	12.9	14.8	13.9	15.1	14.8	-2.3%	9.6%	2.7%
United Kingdom	9.2	11.2	13.7	10.7	6.6	7.2	17.1	18.6	15.0	26.1	19.4	-25.5%	7.7%	3.5%
Other European Union	3.7	3.3	5.2	6.9	10.2	13.4	23.5	23.8	25.5	39.4	51.0	29.5%	29.9%	9.3%
Rest of Europe	–	†	–	†	0.1	†	†	0.1	0.1	0.1	0.1	7.1%	–	†
Total Europe	51.8	52.1	56.0	56.4	64.8	71.2	119.4	116.2	107.5	172.1	169.1	-1.8%	12.6%	30.8%
Egypt	–	–	3.9	10.7	8.3	3.2	–	–	–	–	†	–	–	†
Kuwait	2.3	3.6	4.3	4.7	4.8	4.3	5.1	5.7	7.7	8.5	8.9	5.4%	14.6%	1.6%
United Arab Emirates	1.6	1.6	2.9	4.2	3.0	1.0	1.6	1.5	1.7	0.9	1.1	15.4%	-3.9%	0.2%
Other Middle East & Africa	0.5	0.1	2.7	4.8	5.3	4.0	2.7	1.9	0.2	0.1	0.2	92.4%	-9.5%	†
Total Middle East & Africa	4.3	5.3	13.7	24.5	21.4	12.5	9.4	9.1	9.6	9.5	10.2	7.2%	8.9%	1.9%
China	25.1	27.3	27.0	36.8	52.9	73.5	84.7	94.0	110.1	87.0	97.8	12.4%	14.6%	17.8%
India	18.0	19.1	20.0	24.3	26.0	30.5	32.4	36.6	33.8	28.4	31.0	9.1%	5.6%	5.6%
Japan	120.4	121.8	115.9	113.6	113.9	113.0	105.5	101.7	101.2	98.0	90.3	-7.8%	-2.8%	16.4%
Malaysia	2.0	2.2	2.2	1.5	2.0	1.8	3.3	3.6	2.3	3.9	3.2	-16.7%	4.9%	0.6%
Pakistan	–	–	1.5	4.0	6.1	9.4	11.8	10.6	12.2	9.5	10.1	5.6%	–	1.8%
Singapore	1.3	2.6	3.0	3.2	4.1	4.5	5.0	5.7	5.0	5.3	6.8	29.8%	18.3%	1.2%
South Korea	55.3	51.8	45.8	46.3	51.4	60.2	55.6	55.4	64.1	63.8	60.6	-5.0%	0.9%	11.0%
Taiwan	17.2	18.6	19.6	20.4	22.7	22.9	22.8	24.3	26.7	27.5	27.4	-0.5%	4.8%	5.0%
Thailand	2.0	1.9	3.6	3.9	5.2	6.0	6.7	7.5	9.2	11.5	16.1	39.4%	23.3%	2.9%
Other Asia Pacific	–	–	–	–	–	0.8	5.7	6.6	7.6	6.9	9.2	31.9%	–	1.7%
Total Asia Pacific	241.2	245.2	238.5	253.9	284.5	322.6	333.6	346.2	372.3	341.9	352.5	3.1%	3.9%	64.2%
Total World	326.8	333.6	337.1	358.3	393.3	430.4	484.2	490.0	515.9	539.3	549.2	1.8%	5.3%	100.0%

Source: Includes GILGNL, S&P Global Commodity Insights.

Gross LNG trade.

† Less than 0.05%.

Natural gas LNG exports

Billion cubic metres	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Growth rate per annum		Share
												2023	2013–23	2023
US	0.2	0.4	0.7	4.0	17.1	28.6	47.4	61.3	94.5	104.5	114.4	9.4%	93.8%	20.8%
Peru	5.7	5.7	5.0	5.5	5.5	4.8	5.3	5.0	3.5	5.1	5.3	3.9%	-0.7%	1.0%
Trinidad & Tobago	18.4	17.6	16.4	14.3	13.5	16.6	17.1	14.3	9.1	10.5	10.5	-0.2%	-5.5%	1.9%
Other Americas*	0.1	0.2	†	0.6	0.3	0.1	0.1	0.5	0.7	0.8	1.1	36.3%	31.6%	0.2%
Total Americas	24.3	23.9	22.1	24.5	36.5	50.1	69.9	81.2	107.8	121.0	131.4	8.6%	18.4%	23.9%
Russian Federation	14.5	13.6	14.6	14.6	15.4	24.9	39.1	41.8	39.5	43.4	42.7	-1.8%	11.4%	7.8%
Norway	3.8	4.6	5.6	6.1	5.4	6.8	6.9	4.3	0.2	3.7	5.5	46.8%	3.6%	1.0%
Other Europe*	5.2	8.4	5.4	4.5	2.5	5.0	1.9	2.7	4.1	4.2	3.7	-11.5%	-3.3%	0.7%
Total Europe & CIS	23.5	26.6	25.6	25.3	23.4	36.7	47.9	48.8	43.7	51.3	51.8	1.0%	8.2%	9.4%
Oman	11.5	10.6	10.2	11.0	11.4	13.6	14.1	13.2	14.1	15.3	15.3	-0.1%	2.9%	2.8%
Qatar	105.8	103.6	105.6	107.3	103.6	104.9	105.8	106.5	106.8	110.5	108.4	-2.0%	0.2%	19.7%
United Arab Emirates	7.9	8.6	7.6	7.7	7.3	7.4	7.7	7.6	8.8	7.5	7.7	2.9%	-0.3%	1.4%
Yemen	9.9	9.4	1.9	–	–	–	–	–	–	–	–	–	-100.0%	†
Total Middle East	135.2	132.2	125.4	126.0	122.3	125.9	127.5	127.3	129.6	133.3	131.4	-1.5%	-0.3%	23.9%
Algeria	15.0	17.4	16.6	15.5	16.4	13.1	16.8	14.6	15.6	14.4	19.0	31.9%	2.4%	3.5%
Angola	0.4	0.4	–	0.9	5.0	5.2	5.8	6.1	4.7	4.2	4.9	17.9%	28.2%	0.9%
Egypt	3.9	0.4	–	0.8	1.2	2.0	4.7	1.8	9.1	9.2	4.9	-46.8%	2.3%	0.9%
Nigeria	22.5	26.1	26.9	24.6	28.3	27.8	28.8	28.4	23.4	20.0	17.5	-12.1%	-2.4%	3.2%
Other Africa	5.2	5.0	5.0	4.4	4.8	5.4	5.6	5.1	5.4	6.3	9.2	45.8%	5.8%	1.7%
Total Africa	47.0	49.5	48.5	46.2	55.7	53.5	61.6	56.0	58.1	54.1	55.6	2.8%	1.7%	10.1%
Australia	30.5	32.0	39.9	60.4	76.6	91.8	104.7	106.0	108.5	107.4	107.4	†	13.4%	19.6%
Brunei	9.5	8.6	8.7	8.6	9.1	8.5	8.8	8.4	7.5	6.5	6.2	-4.8%	-4.2%	1.1%
Indonesia	23.1	21.7	21.6	22.4	21.7	20.8	16.5	16.8	14.6	15.6	16.1	3.3%	-3.5%	2.9%
Malaysia	33.6	34.0	34.3	33.6	36.1	33.0	35.2	32.5	33.6	37.3	36.3	-2.7%	0.8%	6.6%
Papua New Guinea	–	5.0	10.1	10.9	11.1	9.5	11.6	11.5	11.5	11.4	11.5	1.0%	–	2.1%
Other Asia Pacific*	0.1	0.2	0.8	0.5	0.8	0.6	0.5	1.4	1.0	1.3	1.5	18.3%	32.1%	0.3%
Total Asia Pacific	96.8	101.5	115.5	136.4	155.4	164.3	177.3	176.8	176.7	179.5	179.0	-0.3%	6.3%	32.6%
Total LNG exports	326.8	333.6	337.1	358.3	393.3	430.4	484.2	490.0	515.9	539.3	549.2	1.8%	5.3%	100.0%

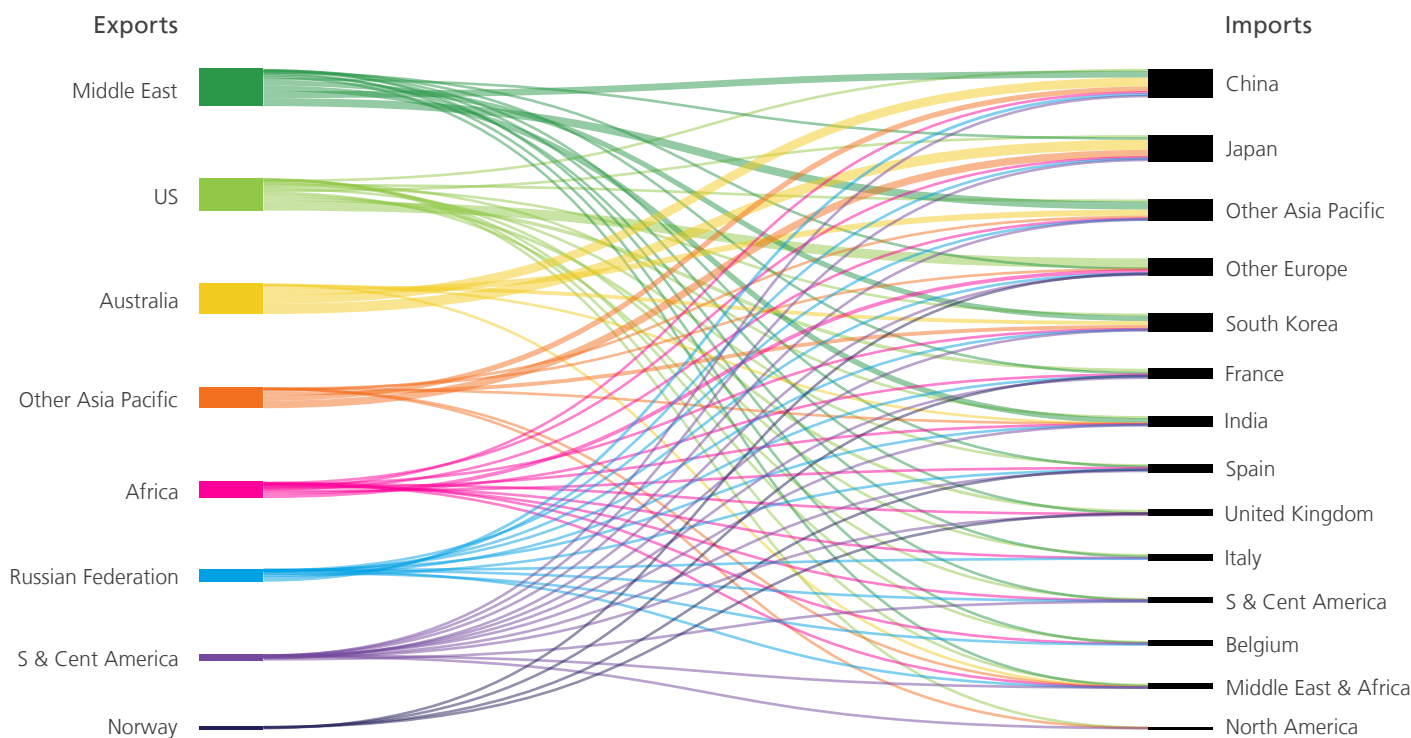
Source: Includes GILGNL, S&P Global Commodity Insights.

Gross LNG trade.

* Largely consists of re-exports.

† Less than 0.05%.

Natural gas Major trade movements 2023 – LNG



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

International gas trade has been fluctuating between 900-1,000 bcm since 2017, with an overall fall of 2.7% to 936 bcm in 2023. LNG exports rose 1.8% to 549 bcm. LNG now accounts for nearly 59% of all globally traded gas. The US overtook both Australia and Qatar to become the world's largest exporter of LNG. Collectively they represented 64% of total LNG exports. China overtook

Japan to become the largest importer of LNG with one-third of its imports coming from Australia. Collectively, the Asia Pacific region accounted for 64% of all LNG imports. Europe increased its imports from the US by 6% whilst its LNG imports from the Russian Federation remained relatively stable at around 19 bcm.

Natural gas Trade movements 2023 as LNG*

Billion cubic metres To	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	
Canada	†	0.1	0.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.2
Mexico	0.4	0.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.9
US	–	–	0.3	0.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.5
North America	0.4	0.3	0.5	0.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.6
Argentina	2.1	–	0.2	–	–	†	–	–	0.2	–	–	0.1	–	0.1	0.1	–	–	–	–	2.7
Brazil	1.0	–	†	–	–	0.1	–	–	–	–	–	0.1	–	–	–	–	–	–	–	1.3
Chile	0.9	–	2.0	–	–	†	–	–	–	–	–	–	–	0.1	–	0.6	–	–	–	3.6
Other S. & Cent. America	3.5	0.2	1.9	0.7	–	0.4	–	–	–	–	–	–	–	–	1.4	0.1	†	–	–	8.2
S. & Cent. America	7.5	0.2	4.1	0.7	–	0.5	0.1	–	0.2	–	–	0.2	–	0.1	1.5	0.8	†	–	–	15.8
Belgium	2.6	–	–	–	†	†	3.9	–	4.6	–	–	0.2	0.3	0.1	0.1	0.1	–	–	–	†
France	13.2	0.4	0.4	–	1.2	0.1	4.8	0.1	2.3	–	–	5.6	0.9	0.2	0.6	0.9	–	–	–	†
Italy	5.3	–	–	–	–	0.8	0.3	–	6.7	–	–	2.3	–	0.3	0.3	0.4	–	–	–	16.3
Spain	7.4	0.5	0.5	0.1	0.3	0.1	6.5	0.3	1.3	–	–	1.8	0.3	0.4	4.8	0.6	†	–	–	24.9
Türkiye	3.8	–	0.2	0.2	0.3	0.8	1.4	0.1	–	–	–	6.1	–	1.3	0.5	0.1	–	–	–	14.8
United Kingdom	11.6	2.1	0.4	–	0.4	†	–	–	2.8	–	–	0.5	0.8	0.3	0.5	–	–	–	–	19.4
Other European Union	32.4	0.1	2.7	†	3.2	0.4	2.5	0.3	3.2	0.1	–	0.7	1.4	0.6	2.5	0.7	–	–	0.1	51.0
Rest of Europe	–	–	–	–	–	0.1	0.1	–	–	–	–	–	–	–	–	–	–	–	–	0.1
Europe	76.2	3.1	4.2	0.3	5.5	2.3	19.4	0.8	20.8	0.1	–	17.2	3.7	3.2	9.3	2.7	†	–	0.1	169.1
Egypt	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	†
Kuwait	0.9	–	0.2	–	–	–	0.1	0.5	5.2	0.1	–	0.1	–	–	1.2	0.3	0.1	–	–	8.9
United Arab Emirates	–	–	–	–	–	–	–	–	1.1	–	–	–	–	–	–	–	–	–	–	1.1
Other Middle East & Africa	0.1	–	–	–	–	†	–	0.1	–	–	–	–	–	–	–	–	–	–	–	0.2
Middle East & Africa	1.0	–	0.2	–	–	†	0.1	0.6	6.2	0.1	–	0.1	–	–	1.2	0.3	0.1	–	†	10.2
China	4.3	0.2	0.5	†	–	0.2	11.0	1.4	22.9	1.0	–	0.5	–	0.4	1.6	1.2	33.0	1.0	5.5	97.8
India	4.4	–	0.4	–	–	0.6	0.6	1.1	15.0	4.5	–	0.5	1.0	0.3	1.0	1.2	0.5	–	–	31.0
Japan	7.5	0.3	0.1	–	–	0.1	8.4	3.0	4.0	1.1	–	0.1	–	0.2	0.3	0.4	37.5	3.4	4.1	90.3
Malaysia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.9	0.3	–	3.2
Pakistan	0.1	–	0.1	–	–	–	–	0.1	8.8	–	–	–	–	0.1	0.6	–	–	–	0.3	10.1
Singapore	0.6	–	0.1	–	–	†	0.1	–	1.8	–	–	–	–	†	–	0.3	3.6	–	0.2	6.8
South Korea	7.1	1.0	†	–	–	0.1	2.3	6.9	11.8	0.6	–	0.2	–	0.4	0.8	0.8	14.3	0.7	4.0	60.6
Taiwan	2.7	0.2	–	–	–	–	0.8	0.5	7.6	0.2	–	–	–	0.1	0.4	0.1	11.0	0.4	0.6	27.4
Thailand	1.6	–	0.3	–	–	–	–	0.8	3.9	–	–	0.1	–	–	0.4	1.3	3.8	0.5	0.6	16.1
Other Asia Pacific	0.9	–	0.1	–	–	–	–	0.2	5.3	0.1	–	0.3	0.3	0.2	0.3	0.2	0.8	–	0.3	9.2
Asia Pacific	29.3	1.7	1.5	†	–	0.9	23.1	14.0	81.1	7.5	–	1.6	1.3	1.6	5.5	5.5	107.3	6.2	15.7	352.5
Total exports	114.4	5.3	10.5	1.1	5.5	3.7	42.7	15.3	108.4	7.7	–	19.0	4.9	4.9	17.5	9.2	107.4	6.2	16.1	549.2

Source: Includes data from GIIGNL, S&P Global Commodity Insights.

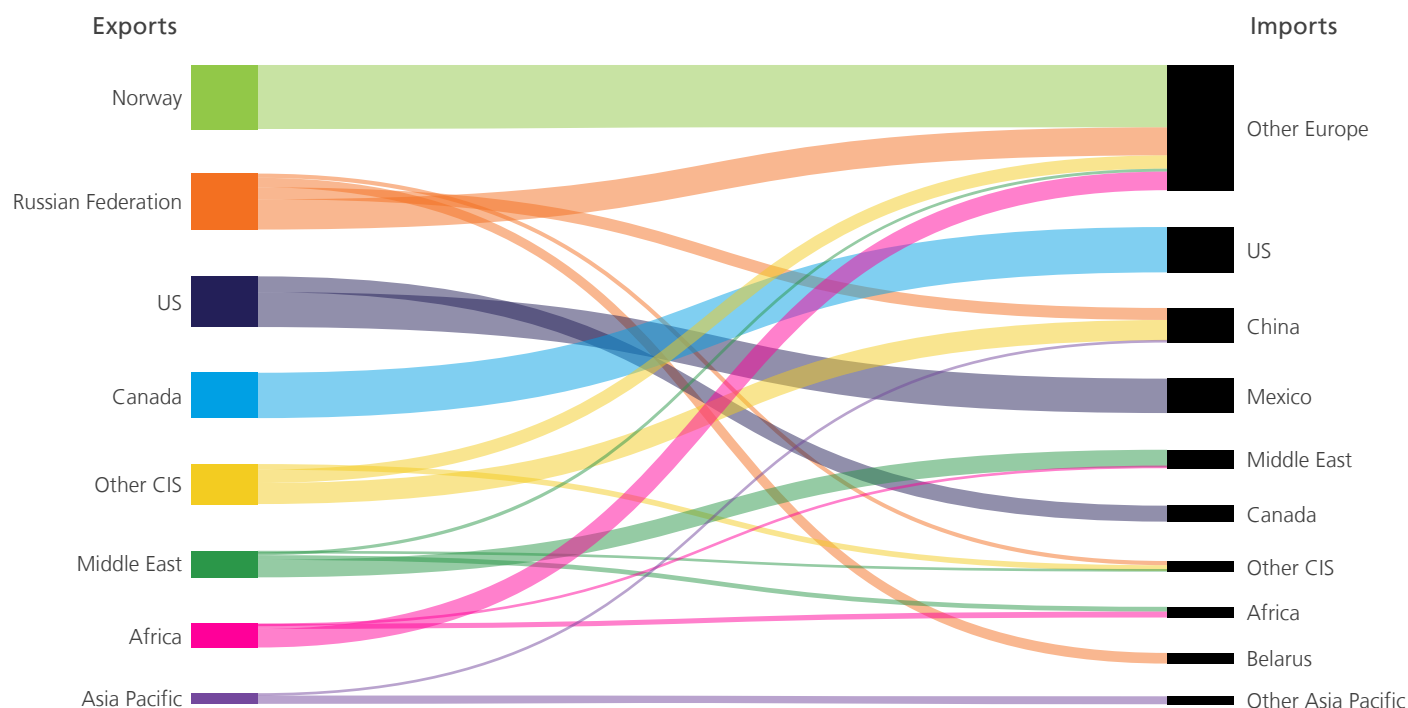
* Includes re-exports.

† Less than 0.05.

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



Natural gas Major trade movements 2023 – pipeline



In 2023, pipeline trade of natural gas continued to decline falling 8% to 388 bcm. The fall in supply was most noticeable in the Russian Federation which saw its exports fall by 24% to 95 bcm. The global balance between LNG and pipeline trade is now almost the complete inverse of the position back in 2017 with pipeline gas now accounting for only 41% of traded gas. Norway remains the largest

supplier of pipeline gas to its European counterparts where imports from the Russian Federation fell by 42% to 50 bcm. Although Russian Federation pipeline exports experienced an overall decline, building on the 62% fall in 2022, its exports to China increased 45% to just over 21 bcm and by 53% to other CIS countries to 7 bcm.



Natural gas Trade movements 2023 by pipeline

	From																						
	Canada	Mexico	US	Bolivia	Other S. & Cent. America	European Union	Norway	Other Europe	Azerbaijan	Kazakhstan	Russian Federation	Turkmenistan	Uzbekistan	Iran	Qatar	Other Middle East	Algeria	Libya	Other Africa	Indonesia	Myanmar	Other Asia Pacific	Total Imports
Billion cubic metres To																							
Canada	—	—	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28.0
Mexico	—	—	61.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.1
US	79.0	†	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79.0
North America	79.0	†	89.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	168.1
Argentina	—	—	—	2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.2
Brazil	—	—	—	5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.4
Other S. & Cent. America	—	—	—	—	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.6
S. & Cent. America	—	—	—	7.6	1.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.2
European Union	—	—	—	—	—	18.0	85.1	95.6	11.7	—	25.7	—	—	—	—	—	30.6	2.4	—	—	—	—	269.1
Rest of Europe	—	—	—	—	—	0.2	25.5	4.8	11.9	—	24.1	—	—	5.2	—	—	—	—	—	—	—	—	71.7
Europe	—	—	—	—	—	18.2	110.7	100.3	23.6	—	49.8	—	—	5.2	—	—	30.6	2.4	—	—	—	—	340.8
Belarus	—	—	—	—	—	—	—	—	—	—	16.8	—	—	—	—	—	—	—	—	—	—	—	16.8
Kazakhstan	—	—	—	—	—	—	—	—	—	—	0.2	0.4	—	—	—	—	—	—	—	—	—	—	0.6
Russian Federation	—	—	—	—	—	—	—	—	0.3	0.7	—	4.7	—	—	—	—	—	—	—	—	—	—	5.7
Other CIS	—	—	—	—	—	—	—	0.2	—	—	7.3	3.9	†	0.4	—	—	—	—	—	—	—	—	11.9
CIS	—	—	—	—	—	—	—	0.2	0.3	0.7	24.3	9.0	†	0.4	—	—	—	—	—	—	—	—	34.9
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.0	—	—	—	—	—	—	—	18.0
Other Middle East	—	—	—	—	—	—	—	—	—	—	—	—	—	8.8	1.5	2.8	—	—	0.6	—	—	—	13.6
Middle East	—	—	—	—	—	—	—	—	—	—	—	—	—	8.8	19.5	2.8	—	—	0.6	—	—	—	31.6
South Africa	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.1	—	—	—	4.1
Other Africa	—	—	—	—	—	—	—	0.9	—	—	—	—	—	—	—	8.4	3.9	—	1.0	—	—	—	14.2
Africa	—	—	—	—	—	—	—	0.9	—	—	—	—	—	—	—	8.4	3.9	—	5.1	—	—	—	18.2
Australia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.9	—	0.9
China	—	—	—	—	—	—	—	—	—	4.6	21.3	30.5	1.2	—	—	—	—	—	—	—	3.7	—	61.3
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.4	—	—	0.4
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.1	—	2.1	6.2
Thailand	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.4	—	5.4
Asia Pacific	—	—	—	—	—	—	—	—	—	4.6	21.3	30.5	1.2	—	—	—	—	—	—	4.5	9.0	3.0	74.2
Total exports	79.0	†	89.1	7.6	1.6	18.2	110.7	101.4	23.9	5.3	95.4	39.5	1.2	14.3	19.5	11.1	34.5	2.4	5.7	4.5	9.0	3.0	677.0

Source: Includes data from FGE MENA gas service, S&P Global Commodity Insights.

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.

† Less than 0.05.