

Table I1. World natural gas production by region, Reference case

trillion cubic feet

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	49.5	48.8	50.7	53.3	55.4	57.0	58.8	0.6%
United States	36.5	35.8	37.1	39.6	40.9	41.6	42.1	0.5%
Canada	6.3	6.2	6.1	6.1	6.4	6.9	7.5	0.6%
Mexico	0.9	1.1	1.5	1.5	1.5	1.5	1.5	1.7%
Brazil	0.9	1.0	1.0	1.0	1.0	1.0	1.1	0.4%
Other Americas	4.7	4.7	5.0	5.1	5.5	6.0	6.6	1.2%
Europe and Eurasia	37.4	37.0	37.1	38.1	39.1	40.2	41.5	0.4%
Western Europe	7.2	7.0	6.7	6.3	6.0	5.7	5.4	-1.0%
Russia	22.9	22.6	22.9	24.0	25.0	26.1	27.1	0.6%
Eastern Europe and Eurasia	7.3	7.3	7.5	7.8	8.0	8.4	8.9	0.7%
Asia Pacific	24.7	24.4	24.4	24.8	26.2	28.1	29.7	0.7%
Japan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0%
South Korea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0%
Australia and New Zealand	5.5	5.3	5.2	5.3	5.6	6.0	6.5	0.6%
China	7.8	7.8	7.9	8.2	8.7	9.3	10.1	0.9%
India	1.2	1.3	1.6	2.0	2.6	3.3	3.3	3.7%
Other Asia Pacific	10.2	9.9	9.5	9.3	9.3	9.4	9.7	-0.2%
Africa and Middle East	38.9	42.8	46.7	48.9	53.4	58.6	64.3	1.8%
Africa	10.5	10.3	10.6	11.1	12.2	12.8	13.4	0.9%
Middle East	28.4	32.4	36.1	37.8	41.2	45.7	50.8	2.1%
World	150.6	152.9	158.9	165.1	174.0	183.9	194.3	0.9%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run r_230822.081459 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. Natural gas production numbers exclude nonhydrocarbon gases.

Table 12. World net trade in natural gas by region, Reference case

trillion cubic feet

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	-4.5	-5.8	-7.4	-9.7	-10.1	-10.2	-10.2	--
United States	-4.2	-6.0	-8.6	-11.5	-12.1	-11.8	-11.6	--
Canada	-2.1	-1.7	-1.0	-0.6	-0.5	-0.7	-0.8	--
Mexico	1.7	1.7	1.6	1.8	2.1	2.3	2.5	1.2%
Brazil	0.4	0.5	0.7	0.6	0.5	0.4	0.4	0.3%
Other Americas	-0.4	-0.3	-0.2	0.0	-0.1	-0.4	-0.7	--
Europe and Eurasia	4.9	6.1	7.4	7.6	8.6	9.5	10.6	2.8%
Western Europe	12.6	13.6	15.1	15.3	15.7	16.2	16.8	1.0%
Russia	-5.9	-5.8	-5.8	-5.8	-5.8	-5.8	-5.8	--
Eastern Europe and Eurasia	-1.8	-1.6	-1.8	-1.9	-1.3	-0.9	-0.4	--
Asia Pacific	10.2	12.9	15.6	17.8	19.6	21.8	24.3	3.2%
Japan	4.0	4.1	3.8	3.5	3.3	3.3	3.3	-0.7%
South Korea	2.5	2.5	2.4	2.3	2.2	2.2	2.2	-0.4%
Australia and New Zealand	-3.5	-3.2	-3.0	-2.9	-3.2	-3.4	-3.8	--
China	6.3	7.2	8.2	9.6	11.2	12.8	14.1	2.9%
India	1.3	1.6	2.3	3.0	3.5	3.9	5.0	4.9%
Other Asia Pacific	-0.5	0.7	1.9	2.3	2.5	3.0	3.4	--
Africa and Middle East	-10.6	-13.2	-15.7	-15.7	-18.0	-21.1	-24.7	--
Africa	-4.3	-4.0	-3.8	-3.7	-4.1	-4.0	-3.8	--
Middle East	-6.3	-9.2	-11.9	-12.0	-14.0	-17.0	-20.8	--
Discrepancy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run r_230822.081459 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Values represent net imports (negative values represent a net exporter). Totals may not equal sum of components due to independent rounding. "--" means not applicable.