

BP Statistical Review of World Energy June 2014

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63rd edition

About this review

For 63 years, the *BP Statistical Review of World Energy* has provided high-quality objective and globally consistent data on world energy markets. The review is one of the most widely respected and authoritative publications in the field of energy economics, used for reference by the media, academia, world governments and energy companies. A new edition is published every June.

Find more online



The *BP Statistical Review of World Energy 2014* is available online at bp.com/statisticalreview

Key information

The website contains all the tables and charts found in the latest printed edition, plus a number of extras, including:

- Historical data from 1965 for many sections.
- Additional data for natural gas, coal, hydroelectricity, nuclear energy, electricity and renewables.
- An oil, natural gas and LNG conversion calculator.
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The data series for proved oil and gas reserves in *BP Statistical Review of World Energy June 2014* does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance, under UK accounting rules contained in the Statement of Recommended Practice, 'Accounting for Oil and Gas Exploration, Development, Production and Decommissioning Activities' (UK SORP) or as published by the US Securities and Exchange Commission, nor does it necessarily represent BP's view of proved reserves by country. Rather, the data series has been compiled using a combination of primary official sources and third-party data.

Group chief executive's introduction

Energy in 2013 – energy markets reflect broader themes.



Welcome to the 63rd edition of the *BP Statistical Review of World Energy*.

The world of energy in 2013 echoed broader global themes – such as emerging differences in global economic performance, geopolitical uncertainty and ongoing debates about the proper roles of government and markets.

These are important issues, and ones over which opinions vary widely, and legitimately. It has been said that everyone is entitled to their own opinion, but not their own facts. And that is where the Statistical Review comes in: since 1952, its mission has always been to provide objective, global data on energy markets to inform discussion, debate and decision-making. This first snap-shot of the global energy picture in 2013 – together with the historical data that puts today's information into context – can help us to understand how the world around us is changing.

The year 2013 saw an acceleration in the growth of global energy consumption, despite a stagnant global economy. Economic growth remained weak nearly everywhere and relative to recent history it was weaker in the emerging non-OECD economies. In line with that economic pattern, energy consumption growth was below average in the non-OECD, driven by China, and above average in the mature economies of the OECD, driven by the US. Emerging economies nonetheless continue to dominate global energy demand, accounting for 80% of growth last year and nearly 100% of growth over the past decade.

While consumption growth accelerated globally, it has remained below average – this is again, consistent with the weak global economic picture. Regionally, energy consumption growth was below average everywhere except North America. EU consumption continued to decline, hitting the lowest level since 1995 (despite economic growth of 35% over this period).

Energy production continued to be impacted by geopolitical events. Oil production in Libya suffered the world's largest decline in the face of renewed civil unrest and the production of oil and gas was disrupted in a number of other countries as well. In the face of these disruptions and heightened risks to supply, average oil prices exceeded \$100 per barrel for a third consecutive year, despite massive supply growth in the US.

Supply developments also highlighted the importance of our third topic, namely to get the balance right between policy and market forces. Driven by massive investment in shale and other 'tight' formations, the US saw the world's largest increase in oil production last year, offsetting the numerous disruptions seen elsewhere and

keeping prices stable. Indeed, the US increase in 2013 was one of the biggest oil production increases the world has ever seen.

Elsewhere, and after global coal prices have fallen for two years in a row, coal is extending its competitive edge in power generation and the competitive balance has begun to shift. Coal was the fastest-growing fossil fuel, with China and India combined accounting for 88% of global growth, while natural gas consumption growth decelerated and grew at a below-average rate. As was the case for total energy, gas consumption growth was below average in all regions except North America, which continues to enjoy the cheapest prices among international markets.

The importance of policy is also apparent in the strength of renewable forms of energy, which continued to grow robustly, albeit from a low base. Renewables now account for more than 5% of global power output and nearly 3% of primary energy consumption. The challenge of sustaining expensive subsidy regimes, however, has become visible where penetration rates are highest, namely the below-average growth of Europe's leading renewable producers, who are grappling with weak economic growth and strained budgets.

Once again, the data in this review shows a flexible global energy system adapting to a changing world. It demonstrates how the world's quest for secure and fairly-priced energy can be met through competitive industries driving innovation and smart government policies that amplify the creative 'energy'. At BP we remain focused on how to lead this process, delivering the growing energy requirements of our customers, safely and sustainably. We do this by investing in our people and world-leading technology, while exercising the capital discipline sought by our investors.

I hope you will find this year's Statistical Review a useful resource for a global perspective on energy.

In concluding, let me thank BP's economics team and all those around the world who have helped prepare this review – in particular those in governments in many countries who contribute their official data.

A handwritten signature in black ink that reads "Bob Dudley".

Bob Dudley
Group Chief Executive
June 2014

2013 in review

Global primary energy consumption accelerated in 2013 despite stagnant global economic growth.



▲ China's Hong Kong skyline. China was the world's largest producer and consumer of energy overall in 2013.

▼ The Octavio Frias de Oliveira Bridge in Brazil – 24% of the world's biofuels were produced in the country in 2013, making it the second largest producer.

+2.3%

Growth in global primary energy consumption.



Consumption and production increased for all fuels, reaching record levels for every fuel type except nuclear power. For each of the fossil fuels, global consumption rose more rapidly than production. The data suggests that growth in global CO₂ emissions from energy use also accelerated in 2013, although it remained below average.

Emerging economies dominated global growth again, but the increase was below the ten-year average in these countries, and above average in the OECD. China once again had the largest growth increment, followed by the US. Consumption in the EU and Japan fell to the lowest levels since 1995 and 1993 respectively.

Energy price developments in 2013 were mixed, generally rising in North America (except for coal) and falling elsewhere. The annual average price for Brent, the international crude oil benchmark, declined for the first time since 2009 but remained near record levels (in money-of-the-day as well as inflation-adjusted terms). This was the third consecutive year with the Brent average price above \$100 per barrel. Crude oil prices weakened in early 2013 amid strong growth of oil production in the US, but rebounded later in the year due to a range of supply disruptions and cold weather that boosted demand growth. The differential between Brent and the US benchmark West Texas Intermediate (WTI) narrowed but remained elevated.

Natural gas prices rose in North America (for the first time since 2010) and the UK, but fell elsewhere. As with Brent – WTI, differentials between North American and international gas prices generally narrowed but remained elevated. Coal prices declined in all regions for a second consecutive year.

Energy developments

Global primary energy consumption increased by 2.3% in 2013, an acceleration over 2012 (+1.8%). Growth in 2013 accelerated for oil, coal, and nuclear power. But global growth remained below the 10-year average of 2.5%. All fuels except oil, nuclear power and renewables in power generation grew at below-average rates. Growth was below average for all regions except North America. Oil remains the world's leading fuel, with 32.9% of global energy consumption, but it also continued to lose market share for the fourteenth consecutive year and its current market share is once again the lowest in our data set, which begins in 1965.

Emerging economies accounted for 80% of the global increase in energy consumption – even though growth in these countries was a below average 3.1%. OECD consumption rose by an above-average 1.2%. Robust US growth (+2.9%) accounted for all of the net increase in the OECD and consumption in the EU and Japan fell by 0.3% and 0.6%, respectively. Spain (-5%) recorded the largest volumetric decline in energy consumption.

+1.1m b/d

Growth of US oil production, the largest in the world.

7m b/d

China's net oil imports, the world's largest.

Prices

Dated Brent averaged \$108.66 per barrel in 2013, a decline of \$3.01 per barrel from the 2012 level. WTI continued to trade at a large discount to Brent (\$10.67 per barrel), driven by growing US production. Since 2011, the WTI discount has averaged \$14.81 per barrel, compared with an average premium of \$1.39 per barrel for the preceding decade.

Consumption and production

Global oil consumption grew by 1.4 million barrels per day (b/d), or 1.4% – this is just above the historical average. Countries outside the OECD now account for the majority (51%) of global oil consumption and they once again accounted for all of the net growth in global consumption. OECD consumption declined by 0.4%, the seventh decrease in the past eight years. The US (+400,000 b/d) recorded the largest increment to global oil consumption in 2013, outpacing Chinese growth (+390,000 b/d) for the first time since 1999. Light distillates were the fastest-growing refined product category by volume.

Global oil production did not keep pace with the growth in global consumption, rising by just 560,000 b/d or 0.6%. The US (+1.1 million b/d) recorded the largest growth in the world and the largest annual increment in the country's history for a second consecutive year. The US accounted for nearly all (96%) of the non-OPEC output increase of 1.2 million b/d (the strongest since 2002) to reach a record 50 million b/d. Increases in Canada (+210,000 b/d) and Russia (+150,000 b/d) offset declines in Syria (-120,000 b/d), the

UK and Norway (-80,000 b/d each) and Australia (-70,000 b/d). OPEC output fell by 600,000 b/d, the first decline since 2009. Declines in Libya (-520,000 b/d), Iran (-190,000 b/d), Saudi Arabia (-110,000 b/d) and Nigeria (-100,000 b/d) outweighed an increase in the UAE (+250,000 b/d).

Refining and trade

Global refinery crude runs increased by a below-average 390,000 b/d or 0.5%. Non-OECD countries accounted for all of the net increase, rising by 730,000 b/d. OECD throughputs declined by 340,000 b/d, the seventh decline in the past nine years despite an increase of 320,000 b/d in US refinery runs, as the US continued to ramp up net product exports. Global refinery capacity utilization declined to 80.4%, the lowest since 1987, while global refining capacity increased by a robust 1.4 million b/d, with large capacity additions in China and Saudi Arabia outpacing capacity reductions in the Atlantic Basin and Japan.

Global oil trade in 2013 grew by 2.1% or 1.2 million b/d – among importers, growth in Europe and emerging economies more than offset declines in the US and Japan. At 56.5 million b/d, trade accounted for 61.8% of global consumption, up from 58.3% a decade ago. US net imports fell by 1.4 million b/d to 6.5 million b/d – just over half the level of net imports seen in 2005 and the lowest level since 1988. China's net oil imports reached 7 million b/d, surpassing the US as the world's largest net oil importer.



► The Trans-Alaska Pipeline is more than 800 miles long and transports oil between Prudhoe Bay and Valdez in the US.

🔥 Natural gas

+2.7%

Growth in North American gas consumption, the only region with above-average growth.

+1.1%

Growth in global gas production.

▼ The *Min Rong* tanker berthed at Tangguh liquefied natural gas (LNG) plant in Indonesia. Indonesia is the second largest natural gas producer in Asia.

▲ The Shah Deniz platform in the Caspian Sea. Natural gas is the leading fuel in Europe and Eurasia.



Consumption and production

World natural gas consumption grew by 1.4%, below the historical average of 2.6%. And, as was the case for primary energy, consumption growth was above average in the OECD countries (+1.8%) and below average outside the OECD (+1.1%). Growth was below average in every region except North America. China (+10.8%) and the US (+2.4%) recorded the largest growth increments in the world, together accounting for 81% of global growth. India (-12.2%) recorded the largest volumetric decline in the world, while EU gas consumption fell to the lowest level since 1999. Globally, natural gas accounted for 23.7% of primary energy consumption.

Global natural gas production grew by 1.1%, which was well below the 10-year average of 2.5%. Growth was below average in all regions except Europe and Eurasia. The US (+1.3%) remained the world's leading producer, but both Russia (+2.4%) and China (+9.5%) recorded larger growth increments in 2013. Nigeria (-16.4%), India (-16.3%), and Norway (-5%) recorded the largest volumetric declines.

Trade

Global natural gas trade grew by 1.8% in 2013, well below the historical average of 5.2%. Pipeline shipments grew by 2.3%, driven by a 12% increase in net Russian exports, which offset declines in Algeria (-17.9%), Norway (-4.5%) and Canada (-5.5%). Among importers, growth in Germany (+14%) and China (+32.4%) more than offset a continued decline in the US (-10.9%). Global LNG trade rebounded by 0.6% in 2013. Increased imports in South Korea (+10.7%), China (+22.9%), and South and Central American importers (+44.7%) were partially offset by lower imports in Spain (-35.6%), the UK (-31.9%) and France (-19.4%). Qatar remained the largest LNG exporter (32% of global exports), and accounted for the largest growth increment (+2.7%). LNG's share of global gas trade declined slightly to 31.4% – and international natural gas trade accounted for 30.9% of global consumption.





▲ Goshen Wind Farm in Idaho. Global wind power generation grew by 21% in 2013.

► Coal ready for shipping. Coal was the fastest growing fossil fuel and its consumption grew by 3% in 2013.

+3.0%

Growth in global coal consumption, the fastest growing fossil fuel.

+0.9%

Growth in global nuclear output, the first increase since 2010.

5.3%

Share of global power generation met by renewables.



In detail

Additional information – including historical time series for the fuels reported in this review; further detail on renewable forms of energy; electricity generation; and CO₂ emissions from energy use – is available at bp.com/statisticalreview



Coal

Coal consumption grew by 3% in 2013, well below the 10-year average of 3.9% but it is still the fastest-growing fossil fuel. Coal's share of global primary energy consumption reached 30.1%, the highest since 1970. Consumption outside the OECD rose by a below-average 3.7%, but still accounted for 89% of global growth. China recorded the weakest absolute growth since 2008 but the country still accounted for 67% of global growth. India experienced its second largest volumetric increase on record and accounted for 21% of global growth. OECD consumption increased by 1.4%, with increases in the US and Japan offsetting declines in the EU. Global coal production grew by 0.8%, the weakest growth since 2002. Indonesia (+9.4%) and Australia (+7.3%) offset a decline in the US (-3.1%), while China (+1.2%) recorded the weakest volumetric growth in production since 2000.

Nuclear and hydroelectric

Global nuclear output grew by 0.9%, the first increase since 2010. Increases in the US, China and Canada were partly offset by declines in South Korea, Ukraine, Spain and Russia. Japanese output fell by 18.6% and has fallen by 95% since 2010. Nuclear output accounted for 4.4% of global energy consumption, the smallest share since 1984.

Global hydroelectric output grew by a below-average 2.9%. Led by China and India, the Asia-Pacific region accounted for 78% of global growth. Drought conditions reduced output in Brazil by 7% and in Finland, Norway and Sweden by a combined 14.5%. Hydroelectric output accounted for 6.7% of global energy consumption.

Renewables

Renewable energy sources – in power generation as well as transport – continued to increase in 2013, reaching a record 2.7% of global energy consumption, up from 0.8% a decade ago. Renewable energy used in power generation grew by 16.3% and accounted for a record 5.3% of global power generation. China recorded the largest incremental growth in renewables, followed by the US, while growth in Europe's leading players – Germany, Spain and Italy – was below average. Globally, wind energy (+20.7%) once again accounted for more than half of renewable power generation growth and solar power generation grew even more rapidly (+33%), but from a smaller base. Global biofuels production grew by a below-average 6.1% (80,000 b/doe), driven by increases in the two largest producers: Brazil (+16.8%) and the US (+4.6%).

Acknowledgements

We would like to express our sincere gratitude to the many contacts worldwide who provide the publicly available data for this publication, and to the researchers at the Heriot-Watt University Energy Academy who assist in the data compilation.

Proved reserves

	At end 1993 Thousand million barrels	At end 2003 Thousand million barrels	At end 2012 Thousand million barrels	At end 2013			
				Thousand million tonnes	Thousand million barrels	Share of total	R/P ratio
US	30.2	29.4	44.2	5.4	44.2	2.6%	12.1
Canada	39.5	180.4	174.3	28.1	174.3	10.3%	*
Mexico	50.8	16.0	11.4	1.5	11.1	0.7%	10.6
Total North America	120.5	225.8	229.9	35.0	229.6	13.6%	37.4
Argentina	2.2	2.7	2.4	0.3	2.4	0.1%	9.8
Brazil	5.0	10.6	15.3	2.3	15.6	0.9%	20.2
Colombia	3.2	1.5	2.2	0.3	2.4	0.1%	6.5
Ecuador	3.7	5.1	8.4	1.2	8.2	0.5%	42.6
Peru	0.8	0.9	1.4	0.2	1.4	0.1%	37.5
Trinidad & Tobago	0.6	0.9	0.8	0.1	0.8	♦	19.2
Venezuela	64.4	77.2	297.6	46.6	298.3	17.7%	*
Other S. & Cent. America	0.9	1.5	0.5	0.1	0.5	♦	9.6
Total S. & Cent. America	80.7	100.4	328.6	51.1	329.6	19.5%	*
Azerbaijan	n/a	7.0	7.0	1.0	7.0	0.4%	20.6
Denmark	0.7	1.3	0.7	0.1	0.7	♦	10.3
Italy	0.6	0.8	1.4	0.2	1.4	0.1%	32.7
Kazakhstan	n/a	9.0	30.0	3.9	30.0	1.8%	46.0
Norway	9.6	10.1	9.2	1.0	8.7	0.5%	12.9
Romania	1.0	0.5	0.6	0.1	0.6	♦	19.0
Russian Federation	n/a	79.0	92.1	12.7	93.0	5.5%	23.6
Turkmenistan	n/a	0.5	0.6	0.1	0.6	♦	7.1
United Kingdom	4.5	4.3	3.0	0.4	3.0	0.2%	9.6
Uzbekistan	n/a	0.6	0.6	0.1	0.6	♦	25.9
Other Europe & Eurasia	61.8	2.3	2.1	0.3	2.2	0.1%	15.1
Total Europe & Eurasia	78.3	115.5	147.4	19.9	147.8	8.8%	23.4
Iran	92.9	133.3	157.0	21.6	157.0	9.3%	*
Iraq	100.0	115.0	150.0	20.2	150.0	8.9%	*
Kuwait	96.5	99.0	101.5	14.0	101.5	6.0%	89.0
Oman	5.0	5.6	5.5	0.7	5.5	0.3%	16.0
Qatar	3.1	27.0	25.2	2.6	25.1	1.5%	34.4
Saudi Arabia	261.4	262.7	265.9	36.5	265.9	15.8%	63.2
Syria	3.0	2.4	2.5	0.3	2.5	0.1%	*
United Arab Emirates	98.1	97.8	97.8	13.0	97.8	5.8%	73.5
Yemen	2.0	2.8	3.0	0.4	3.0	0.2%	51.2
Other Middle East	0.1	0.1	0.3	†	0.3	♦	3.4
Total Middle East	661.9	745.7	808.7	109.4	808.5	47.9%	78.1
Algeria	9.2	11.8	12.2	1.5	12.2	0.7%	21.2
Angola	1.9	8.8	12.7	1.7	12.7	0.8%	19.3
Chad	–	0.9	1.5	0.2	1.5	0.1%	43.5
Republic of Congo (Brazzaville)	0.7	1.5	1.6	0.2	1.6	0.1%	15.6
Egypt	3.4	3.5	4.2	0.5	3.9	0.2%	15.0
Equatorial Guinea	0.3	1.3	1.7	0.2	1.7	0.1%	15.0
Gabon	0.7	2.3	2.0	0.3	2.0	0.1%	23.1
Libya	22.8	39.1	48.5	6.3	48.5	2.9%	*
Nigeria	21.0	35.3	37.1	5.0	37.1	2.2%	43.8
South Sudan	–	–	3.5	0.5	3.5	0.2%	96.9
Sudan	0.3	0.6	1.5	0.2	1.5	0.1%	33.7
Tunisia	0.4	0.6	0.4	0.1	0.4	♦	18.7
Other Africa	0.6	0.6	3.7	0.5	3.7	0.2%	47.7
Total Africa	61.2	106.2	130.6	17.3	130.3	7.7%	40.5
Australia	3.3	3.7	3.9	0.4	4.0	0.2%	26.1
Brunei	1.3	1.0	1.1	0.1	1.1	0.1%	22.3
China	16.4	15.5	18.1	2.5	18.1	1.1%	11.9
India	5.9	5.7	5.7	0.8	5.7	0.3%	17.5
Indonesia	5.2	4.7	3.7	0.5	3.7	0.2%	11.6
Malaysia	5.0	4.8	3.7	0.5	3.7	0.2%	15.3
Thailand	0.2	0.5	0.4	0.1	0.4	♦	2.5
Vietnam	0.6	3.0	4.4	0.6	4.4	0.3%	34.5
Other Asia Pacific	1.1	1.4	1.1	0.1	1.1	0.1%	11.2
Total Asia Pacific	38.8	40.5	42.1	5.6	42.1	2.5%	14.0
Total World	1041.4	1334.1	1687.3	238.2	1687.9	100.0%	53.3
of which: OECD	140.8	247.5	249.6	37.3	248.8	14.7%	33.2
Non-OECD	900.6	1086.6	1437.7	200.9	1439.1	85.3%	59.5
OPEC	774.9	912.1	1213.8	170.2	1214.2	71.9%	90.3
Non-OPEC‡	206.3	325.2	342.6	50.1	341.9	20.3%	26.0
European Union#	8.1	8.0	6.8	0.9	6.8	0.4%	13.0
Former Soviet Union	60.1	96.8	130.9	17.9	131.8	7.8%	25.9
Canadian oil sands: Total	32.3	174.4	167.8	27.3	167.8		
of which: Under active development	2.9	10.8	25.9	4.2	25.9		
Venezuela: Orinoco Belt	–	–	220.0	35.4	220.5		

*More than 100 years.

†Less than 0.05.

•Less than 0.05%.

‡Excludes Former Soviet Union.

#Excludes Estonia, Latvia and Lithuania in 1993.

Notes: Proved reserves of oil – 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.

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, third-party data from the OPEC Secretariat, *World Oil*, *Oil & Gas Journal* and an independent estimate of Russian and Chinese reserves based on information in the public domain.

Canadian oil sands 'under active development' are an official estimate. Venezuelan Orinoco Belt reserves are based on the OPEC Secretariat and government announcements.

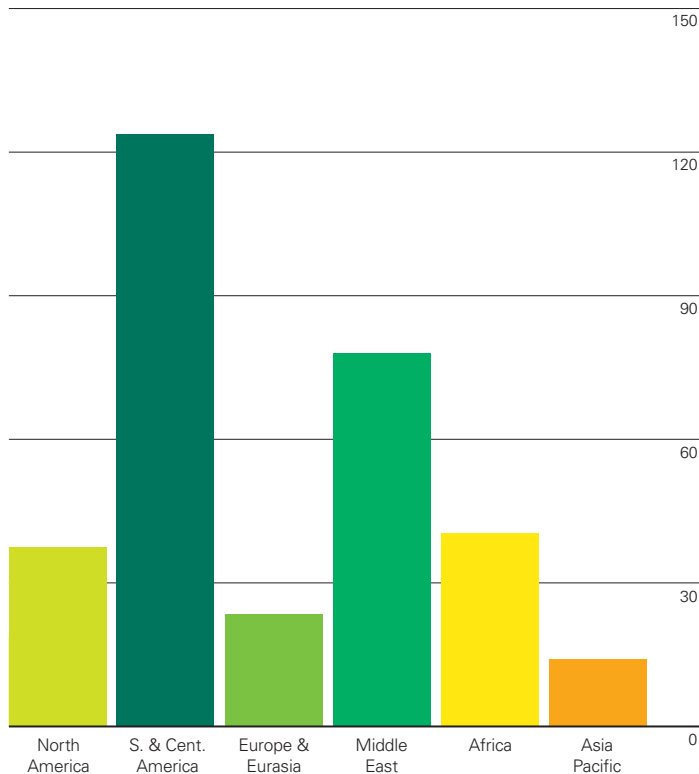
Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil.

Shares of total and R/P ratios are calculated using thousand million barrels figures.

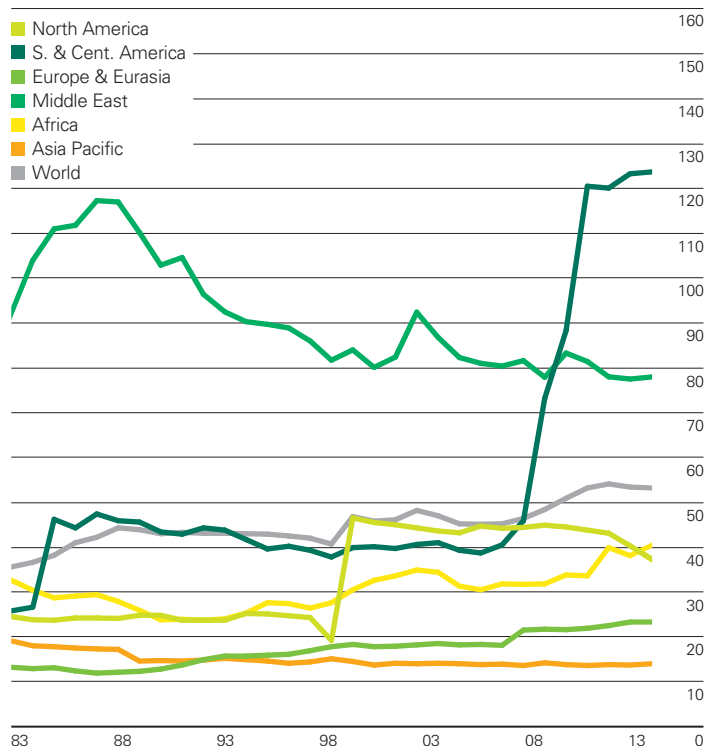
Reserves-to-production (R/P) ratios

Years

2013 by region



History

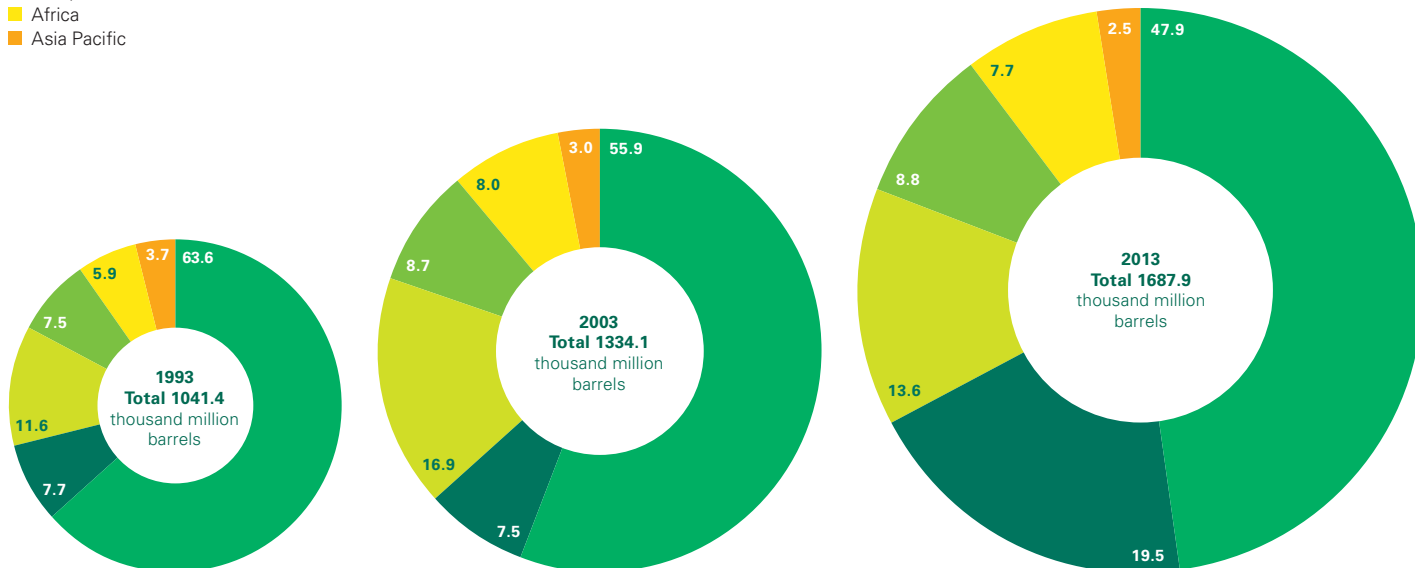


Total world proved oil reserves reached 1687.9 billion barrels at the end of 2013, sufficient to meet 53.3 years of global production. The largest additions to reserves came from Russia, adding 900 million barrels and Venezuela adding 800 million barrels. OPEC members continue to hold the majority of reserves, accounting for 71.9% of the global total. South & Central America continues to hold the highest R/P ratio. Over the past decade, global proved reserves have increased by 27%, or over 350 billion barrels.

Distribution of proved reserves in 1993, 2003 and 2013

Percentage

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



Production*

Thousand barrels daily	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	7362	7244	6903	6828	6862	6783	7263	7552	7868	8892	10003	13.5%	10.8%
Canada	3003	3080	3041	3208	3290	3207	3202	3332	3515	3740	3948	6.0%	4.7%
Mexico	3795	3830	3766	3689	3479	3165	2978	2959	2940	2911	2875	-1.1%	3.4%
Total North America	14160	14154	13709	13725	13631	13156	13444	13843	14323	15543	16826	8.7%	18.9%
Argentina	900	868	839	838	813	772	743	722	687	665	656	-1.5%	0.7%
Brazil	1548	1537	1699	1804	1833	1895	2024	2137	2193	2149	2114	-1.7%	2.7%
Colombia	541	528	526	529	531	588	671	786	915	944	1004	6.3%	1.3%
Ecuador	420	528	534	538	513	507	488	488	501	505	527	4.5%	0.7%
Peru	89	86	92	97	96	99	107	113	110	107	104	-4.0%	0.1%
Trinidad & Tobago	175	165	181	193	166	174	153	148	140	120	118	-1.2%	0.1%
Venezuela	2868	3305	3308	3336	3230	3222	3033	2838	2766	2643	2623	-0.8%	3.3%
Other S. & Cent. America	149	144	146	140	139	138	129	134	137	140	146	3.0%	0.2%
Total S. & Cent. America	6691	7161	7325	7474	7322	7394	7348	7367	7448	7274	7293	0.2%	9.1%
Azerbaijan	308	309	445	646	856	895	1014	1023	919	919	931	1.2%	1.1%
Denmark	368	390	377	342	311	287	265	249	225	204	178	-12.8%	0.2%
Italy	116	113	127	120	122	108	95	106	110	112	116	3.3%	0.1%
Kazakhstan	1111	1283	1330	1403	1453	1526	1664	1740	1758	1724	1785	3.5%	2.0%
Norway	3264	3180	2961	2772	2551	2466	2349	2136	2040	1917	1837	-4.4%	2.0%
Romania	124	120	114	105	100	99	94	90	89	83	87	4.0%	0.1%
Russian Federation	8602	9335	9598	9818	10044	9950	10139	10365	10510	10643	10788	1.3%	12.9%
Turkmenistan	203	194	193	187	199	208	211	217	217	222	231	4.1%	0.3%
United Kingdom	2296	2064	1843	1666	1659	1555	1477	1361	1116	949	866	-8.6%	1.0%
Uzbekistan	151	138	115	114	104	102	95	78	77	68	63	-7.1%	0.1%
Other Europe & Eurasia	495	482	454	445	442	420	409	394	394	390	398	2.4%	0.5%
Total Europe & Eurasia	17037	17608	17557	17619	17840	17617	17812	17759	17452	17231	17281	0.3%	20.3%
Iran	4002	4201	4184	4260	4303	4396	4249	4356	4358	3751	3558	-6.0%	4.0%
Iraq	1344	2030	1833	1999	2143	2428	2452	2490	2801	3116	3141	0.8%	3.7%
Kuwait	2370	2523	2668	2737	2663	2786	2511	2536	2880	3165	3126	-1.3%	3.7%
Oman	822	783	777	738	710	757	813	865	885	918	942	2.7%	1.1%
Qatar	949	1082	1149	1241	1279	1449	1416	1676	1836	1966	1995	1.3%	2.0%
Saudi Arabia	10141	10458	10931	10671	10268	10663	9663	10075	11144	11635	11525	-1.1%	13.1%
Syria	652	487	448	421	404	406	401	385	327	171	56	-67.3%	0.1%
United Arab Emirates	2722	2836	2922	3099	3001	3026	2723	2895	3319	3399	3646	7.4%	4.0%
Yemen	451	424	421	387	341	315	306	291	228	180	161	-11.5%	0.2%
Other Middle East	48	48	185	182	194	192	192	192	201	183	208	13.5%	0.2%
Total Middle East	23501	24873	25518	25734	25305	26417	24726	25761	27980	28484	28358	-0.7%	32.2%
Algeria	1826	1921	1990	1979	1992	1969	1775	1689	1642	1537	1575	2.7%	1.7%
Angola	870	1103	1404	1421	1684	1901	1804	1863	1726	1784	1801	0.8%	2.1%
Chad	24	168	173	153	144	127	118	122	114	101	94	-6.3%	0.1%
Republic of Congo (Brazzaville)	208	217	239	271	221	235	269	294	302	289	281	-2.9%	0.4%
Egypt	750	701	672	704	698	715	730	725	714	715	714	-0.3%	0.8%
Equatorial Guinea	291	399	429	417	430	412	366	326	298	316	311	-1.8%	0.4%
Gabon	274	273	270	242	246	240	241	255	254	245	237	-3.3%	0.3%
Libya	1485	1623	1745	1816	1820	1820	1652	1658	479	1509	988	-34.5%	1.1%
Nigeria	2233	2430	2502	2392	2265	2113	2211	2523	2460	2417	2322	-4.0%	2.7%
South Sudan	-	-	-	-	-	-	-	-	-	31	99	219.4%	0.1%
Sudan	262	291	294	356	483	457	475	462	291	103	122	18.3%	0.1%
Tunisia	68	71	73	70	97	89	83	80	68	67	62	-7.2%	0.1%
Other Africa	141	165	172	224	193	190	183	167	232	233	211	-10.0%	0.3%
Total Africa	8431	9361	9962	10045	10274	10268	9908	10163	8580	9349	8818	-5.7%	10.1%
Australia	664	582	580	542	559	547	512	560	500	489	416	-16.8%	0.4%
Brunei	214	210	206	221	194	175	168	172	165	159	135	-15.3%	0.2%
China	3406	3486	3642	3711	3742	3814	3805	4077	4074	4155	4180	0.6%	5.0%
India	802	816	785	809	809	809	796	873	903	894	894	0.1%	1.0%
Indonesia	1176	1130	1096	1018	972	1006	994	1003	952	918	882	-4.0%	1.0%
Malaysia	760	776	757	713	742	741	701	703	640	670	657	-2.2%	0.7%
Thailand	244	241	297	325	341	362	376	388	414	450	459	1.8%	0.4%
Vietnam	361	424	389	355	334	311	342	312	317	348	350	0.4%	0.4%
Other Asia Pacific	192	233	284	303	318	338	330	315	300	285	260	-8.5%	0.3%
Total Asia Pacific	7819	7898	8035	7996	8011	8103	8025	8404	8266	8370	8232	-1.7%	9.5%
Total World	77639	81054	82107	82593	82383	82955	81262	83296	84049	86251	86808	0.6%	100.0%
of which: OECD	21214	20813	19902	19465	19151	18440	18445	18547	18601	19492	20523	5.6%	23.0%
Non-OECD	56425	60241	62204	63129	63233	64515	62818	64750	65448	66759	66285	-0.8%	77.0%
OPEC	31231	34040	35170	35489	35161	36279	33978	35088	35911	37427	36829	-1.8%	42.1%
Non-OPEC+	35879	35601	35102	34786	34420	33852	34016	34650	34529	35122	36062	2.7%	41.4%
European Union	3185	2955	2708	2468	2425	2264	2127	1987	1724	1528	1437	-5.8%	1.7%
Former Soviet Union	10530	11414	11835	12318	12803	12824	13269	13558	13609	13702	13917	1.5%	16.5%

*Includes crude oil, tight oil, oil sands and NGLs (the liquid content of natural gas where this is recovered separately). Excludes liquid fuels from other sources such as biomass and derivatives of coal and natural gas.

†Excludes Former Soviet Union.

Notes: Annual changes and shares of total are calculated using million tonnes per annum figures. Growth rates are adjusted for leap years.

Consumption*

Thousand barrels daily	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	20033	20732	20802	20687	20680	19490	18771	19180	18882	18490	18887	2.0%	19.9%
Canada	2228	2309	2288	2295	2361	2315	2190	2316	2404	2394	2385	-0.5%	2.5%
Mexico	1909	1983	2030	2019	2067	2054	1995	2014	2042	2063	2020	-2.6%	2.1%
Total North America	24170	25023	25119	25002	25109	23860	22957	23510	23329	22948	23292	1.3%	24.5%
Argentina	405	425	449	471	523	535	525	571	585	613	636	3.6%	0.7%
Brazil	1973	2050	2097	2134	2286	2439	2467	2669	2730	2807	2973	5.8%	3.2%
Chile	228	244	250	278	358	372	367	329	355	368	377	2.0%	0.4%
Colombia	222	225	230	235	234	233	239	250	269	285	297	4.0%	0.3%
Ecuador	151	155	169	180	183	188	191	220	226	233	248	6.3%	0.3%
Peru	139	152	152	147	153	172	176	187	203	212	224	5.3%	0.2%
Trinidad & Tobago	24	25	26	29	34	37	35	39	35	35	38	6.3%	•
Venezuela	506	545	606	633	640	716	727	691	689	712	777	10.2%	0.9%
Other S. & Cent. America	1224	1235	1221	1235	1250	1190	1186	1199	1212	1212	1206	-1.0%	1.4%
Total S. & Cent. America	4872	5056	5200	5340	5661	5881	5913	6155	6306	6478	6775	4.4%	7.4%
Austria	292	283	287	291	276	274	264	276	258	258	259	0.6%	0.3%
Azerbaijan	84	88	106	96	91	74	73	71	89	92	101	9.8%	0.1%
Belarus	163	162	151	176	162	159	183	152	175	175	177	0.7%	0.2%
Belgium	688	680	679	671	676	747	650	672	662	631	654	2.5%	0.7%
Bulgaria	95	92	102	105	103	102	92	82	80	82	86	4.2%	0.1%
Czech Republic	184	202	210	207	205	209	204	195	193	191	184	-3.9%	0.2%
Denmark	188	185	187	190	191	188	169	171	168	159	160	0.5%	0.2%
Finland	235	221	229	222	223	222	209	219	204	190	188	-1.7%	0.2%
France	1952	1963	1946	1942	1911	1889	1822	1763	1742	1689	1683	-0.6%	1.9%
Germany	2648	2619	2592	2609	2380	2502	2409	2445	2369	2356	2382	0.9%	2.7%
Greece	396	426	424	442	435	425	405	365	347	310	287	-7.1%	0.3%
Hungary	131	136	158	168	168	164	154	146	140	128	131	1.6%	0.1%
Republic of Ireland	175	181	191	191	195	187	166	158	141	134	140	4.7%	0.2%
Italy	1900	1850	1798	1791	1740	1661	1563	1532	1475	1346	1308	-3.6%	1.5%
Kazakhstan	183	196	204	210	233	229	188	196	256	274	287	5.9%	0.3%
Lithuania	50	53	57	58	58	63	54	55	53	55	55	1.4%	0.1%
Netherlands	946	983	1039	1047	1065	991	971	977	971	926	898	-4.9%	1.0%
Norway	232	221	224	229	237	228	236	235	240	235	241	1.0%	0.3%
Poland	441	469	487	512	531	549	549	576	574	553	524	-6.2%	0.6%
Portugal	311	315	324	294	296	278	263	259	240	226	228	-0.8%	0.3%
Romania	194	224	218	214	218	216	195	184	191	191	188	-1.7%	0.2%
Russian Federation	2679	2660	2679	2761	2777	2862	2772	2892	3089	3212	3313	3.1%	3.7%
Slovakia	70	67	80	72	76	82	79	82	81	74	73	-1.3%	0.1%
Spain	1539	1575	1594	1592	1613	1557	1473	1394	1377	1285	1200	-7.3%	1.4%
Sweden	367	362	358	358	357	350	323	336	311	309	305	-2.0%	0.3%
Switzerland	257	255	260	266	241	256	260	242	235	238	249	5.0%	0.3%
Turkey	649	660	665	698	718	684	707	694	672	678	714	5.7%	0.8%
Turkmenistan	110	112	113	109	115	119	110	123	130	134	137	2.8%	0.2%
Ukraine	295	310	296	308	318	301	282	268	279	267	260	-2.7%	0.3%
United Kingdom	1723	1766	1806	1788	1716	1683	1610	1588	1532	1520	1503	-1.4%	1.7%
Uzbekistan	145	146	103	103	94	92	89	77	72	69	70	2.1%	0.1%
Other Europe & Eurasia	567	600	623	637	660	670	658	662	664	649	661	1.6%	0.8%
Total Europe & Eurasia	19888	20063	20187	20357	20082	20013	19181	19087	19009	18636	18645	-0.4%	21.0%
Iran	1508	1548	1699	1843	1874	1959	2011	1873	1909	1927	2002	4.0%	2.2%
Israel	267	251	257	251	264	259	244	236	249	289	231	-21.9%	0.3%
Kuwait	334	374	411	378	383	405	454	487	466	490	494	1.2%	0.5%
Qatar	95	106	120	135	153	173	172	193	237	248	267	7.1%	0.2%
Saudi Arabia	1780	1913	2012	2083	2201	2376	2592	2803	2847	2989	3075	3.1%	3.2%
United Arab Emirates	453	484	493	527	565	586	566	630	718	748	773	4.2%	0.9%
Other Middle East	1233	1265	1343	1238	1314	1448	1468	1546	1577	1661	1683	1.5%	1.9%
Total Middle East	5670	5941	6335	6456	6755	7206	7508	7767	8004	8353	8526	2.2%	9.2%
Algeria	230	239	250	258	286	309	327	327	345	368	386	5.0%	0.4%
Egypt	540	556	617	602	642	687	726	766	720	746	757	1.5%	0.9%
South Africa	497	513	518	528	556	536	510	559	577	572	570	-0.1%	0.7%
Other Africa	1388	1464	1535	1539	1584	1704	1744	1827	1733	1833	1911	4.6%	2.2%
Total Africa	2654	2771	2920	2927	3068	3235	3306	3479	3374	3519	3624	3.2%	4.1%
Australia	854	865	897	930	937	950	937	953	1000	1027	1026	-0.4%	1.1%
Bangladesh	83	86	89	89	86	86	77	88	113	118	116	-1.7%	0.1%
China	5771	6740	6945	7500	7860	7994	8306	9317	9867	10367	10756	3.8%	12.1%
China Hong Kong SAR	269	313	285	305	324	293	334	362	363	347	354	2.6%	0.4%
India	2485	2556	2606	2737	2941	3077	3237	3319	3488	3685	3727	1.2%	4.2%
Indonesia	1222	1299	1285	1247	1299	1294	1334	1449	1572	1597	1623	1.1%	1.8%
Japan	5456	5308	5391	5210	5053	4882	4422	4474	4470	4709	4551	-3.8%	5.0%
Malaysia	620	633	637	660	701	672	679	689	718	712	725	2.0%	0.7%
New Zealand	146	147	150	152	153	154	147	151	150	148	151	2.1%	0.2%
Pakistan	319	324	311	354	387	388	414	411	417	402	445	10.3%	0.5%
Philippines	329	336	314	284	301	266	283	285	281	283	298	5.5%	0.3%
Singapore	688	761	828	883	961	1013	1077	1190	1242	1239	1259	1.1%	1.6%
South Korea	2340	2294	2312	2320	2399	2308	2339	2370	2394	2458	2460	•	2.6%
Taiwan	1012	1056	1054	1053	1111	1005	982	1011	946	934	977	3.9%	1.0%
Thailand	844	911	943	944	942	944	1024	1043	1119	1191	1211	2.0%	1.2%
Vietnam	220	263	258	254	283	300	313	337	366	371	378	2.0%	0.4%
Other Asia Pacific	304	309	325	323	342	324	342	352	406	409	412	0.8%	0.5%
Total Asia Pacific	22962	24202	24629	25244	26080	25952	26247	27802	28912	29997	30470	1.5%	33.8%
Total World	80216	83055	84389	85325	86754	86147	85111	87801	88934	89931	91331	1.4%	100.0%
of which: OECD	48934	49713	50078	49888	49690	48085	46057	46509	46040	45545	45558	-0.4%	49.2%
Non-OECD	31282	33342	34311	35437	37064	38062	39054	41292	42894	44386	45773	3.1%	50.8%
European Union	14866	15002	15123	15122	14802	14710	13977	13827	13455	12946	12770	-1.9%	14.5%
Former Soviet Union	3814	3840	3829	3943	3993	4040	3887	3984	4293	4434	4559	2.8%	5.1%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of biogasoline (such as ethanol), biodiesel and derivatives of coal and natural gas are also included.

•Less than 0.05%.

Notes: Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

Annual changes and shares of total are calculated using million tonnes per annum figures.

Growth rates are adjusted for leap years.

Production*

Million tonnes	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	332.3	325.1	309.1	304.7	305.2	302.3	322.4	332.9	345.7	394.1	446.2	13.5%	10.8%
Canada	140.2	144.8	142.3	150.6	155.3	152.9	152.8	160.3	169.8	182.6	193.0	6.0%	4.7%
Mexico	188.2	190.0	186.5	182.5	172.2	156.9	146.7	145.6	144.5	143.9	141.8	-1.1%	3.4%
Total North America	660.7	659.9	637.9	637.8	632.7	612.0	621.9	638.8	660.0	720.6	781.1	8.7%	18.9%
Argentina	42.8	40.9	39.4	39.1	38.0	36.5	34.9	34.0	32.2	31.1	30.5	-1.5%	0.7%
Brazil	81.1	80.6	88.7	93.7	95.2	98.8	105.6	111.4	114.2	112.2	109.9	-1.7%	2.7%
Colombia	28.5	27.9	27.7	27.9	28.0	31.1	35.3	41.4	48.2	49.9	52.9	6.3%	1.3%
Ecuador	22.5	28.3	28.6	28.8	27.5	27.2	26.1	26.1	26.8	27.1	28.2	4.5%	0.7%
Peru	4.6	4.4	4.5	4.6	4.6	4.7	4.8	5.1	4.9	4.8	4.6	-4.0%	0.1%
Trinidad & Tobago	8.7	8.2	9.0	9.6	8.2	8.7	7.6	7.4	6.9	6.0	5.9	-1.2%	0.1%
Venezuela	147.5	170.1	169.7	171.0	165.5	165.6	155.7	145.7	141.5	136.6	135.1	-0.8%	3.3%
Other S. & Cent. America	7.8	7.4	7.4	7.1	7.1	7.1	6.6	6.9	7.0	7.1	7.3	3.0%	0.2%
Total S. & Cent. America	343.3	367.8	374.9	381.8	374.1	379.6	376.6	377.8	381.7	374.7	374.4	0.2%	9.1%
Azerbaijan	15.4	15.5	22.2	32.3	42.6	44.5	50.4	50.8	45.6	45.7	46.2	1.2%	1.1%
Denmark	17.9	19.1	18.4	16.7	15.2	14.0	12.9	12.2	10.9	10.0	8.7	-12.8%	0.2%
Italy	5.6	5.5	6.1	5.8	5.9	5.2	4.6	5.1	5.3	5.4	5.6	3.3%	0.1%
Kazakhstan	52.4	60.6	62.6	66.1	68.4	72.0	78.2	81.6	82.4	81.2	83.8	3.5%	2.0%
Norway	153.9	150.3	138.7	129.0	118.6	114.7	108.7	98.8	93.8	87.2	83.2	-4.4%	2.0%
Romania	5.9	5.7	5.4	5.0	4.7	4.7	4.5	4.3	4.2	4.0	4.1	4.0%	0.1%
Russian Federation	425.7	463.3	474.8	485.6	496.8	493.7	500.8	511.8	518.5	526.2	531.4	1.3%	12.9%
Turkmenistan	10.0	9.6	9.5	9.2	9.8	10.3	10.4	10.7	10.7	11.0	11.4	4.1%	0.3%
United Kingdom	106.1	95.4	84.7	76.6	76.6	71.7	68.2	63.0	52.0	44.6	40.6	-8.6%	1.0%
Uzbekistan	7.1	6.6	5.4	5.4	4.9	4.8	4.5	3.6	3.6	3.2	2.9	-7.1%	0.1%
Other Europe & Eurasia	24.0	23.4	22.0	21.7	21.6	20.6	19.9	19.2	19.2	19.2	19.6	2.4%	0.5%
Total Europe & Eurasia	823.9	854.8	850.0	853.4	865.1	856.3	863.0	861.1	846.2	837.7	837.5	0.3%	20.3%
Iran	198.5	208.2	206.4	209.2	210.9	214.5	205.5	208.8	208.2	177.1	166.1	-6.0%	4.0%
Iraq	66.0	99.9	89.9	98.0	105.1	119.3	119.9	121.5	136.7	152.5	153.2	0.8%	3.7%
Kuwait	115.6	123.4	130.4	133.7	129.9	136.1	121.2	122.5	139.7	153.7	151.3	-1.3%	3.7%
Oman	40.7	38.9	38.5	36.5	35.2	37.6	40.2	42.8	43.8	45.0	46.1	2.7%	1.1%
Qatar	43.8	50.0	52.6	56.8	57.9	65.0	62.4	72.1	78.2	83.3	84.2	1.3%	2.0%
Saudi Arabia	486.2	500.4	521.3	508.9	488.9	509.9	456.7	473.8	526.0	549.8	542.3	-1.1%	13.1%
Syria	32.4	24.3	22.3	21.0	20.1	20.3	20.0	19.2	16.3	8.5	2.8	-67.3%	0.1%
United Arab Emirates	126.2	132.0	135.8	144.3	139.6	141.4	126.2	133.3	151.3	154.7	165.7	7.4%	4.0%
Yemen	21.2	20.0	19.8	18.1	15.9	14.8	14.3	13.5	10.6	8.3	7.4	-11.5%	0.2%
Other Middle East	2.3	2.3	9.1	8.9	9.5	9.5	9.4	9.4	9.9	9.0	10.2	13.5%	0.2%
Total Middle East	1133.0	1199.4	1226.0	1235.6	1213.0	1268.3	1175.9	1217.1	1320.6	1342.1	1329.3	-0.7%	32.2%
Algeria	79.0	83.6	86.4	86.2	86.5	85.6	77.2	73.8	71.7	67.2	68.9	2.7%	1.7%
Angola	42.8	54.5	68.9	69.3	82.1	93.1	87.6	90.5	83.8	86.9	87.4	0.8%	2.1%
Chad	1.2	8.8	9.1	8.0	7.5	6.7	6.2	6.4	6.0	5.3	5.0	-6.3%	0.1%
Republic of Congo (Brazzaville)	10.7	11.2	12.3	14.0	11.4	12.1	13.9	15.1	15.6	15.0	14.5	-2.9%	0.4%
Egypt	37.1	34.8	33.2	34.5	33.8	34.7	35.3	35.0	34.6	34.7	34.5	-0.3%	0.8%
Equatorial Guinea	14.0	18.9	20.0	19.3	19.9	19.3	17.1	15.2	13.9	14.9	14.6	-1.8%	0.4%
Gabon	13.7	13.7	13.5	12.1	12.3	12.0	12.0	12.7	12.7	12.3	11.8	-3.3%	0.3%
Libya	69.8	76.5	82.2	85.3	85.3	85.5	77.4	77.7	22.5	71.1	46.5	-34.5%	1.1%
Nigeria	109.0	119.0	122.1	116.6	110.2	102.8	106.6	121.3	118.2	116.2	111.3	-4.0%	2.7%
South Sudan	-	-	-	-	-	-	-	-	-	1.5	4.9	219.4%	0.1%
Sudan	12.9	14.4	14.5	17.5	23.8	22.6	23.4	22.8	14.3	5.1	6.0	18.3%	0.1%
Tunisia	3.2	3.4	3.4	3.3	4.6	4.2	4.0	3.8	3.2	3.2	3.0	-7.2%	0.1%
Other Africa	7.0	8.2	8.6	11.2	9.7	9.5	9.2	8.3	11.5	11.6	10.4	-10.0%	0.3%
Total Africa	400.4	447.0	474.1	477.2	486.9	488.1	469.7	482.7	407.9	445.0	418.6	-5.7%	10.1%
Australia	29.7	25.9	25.5	23.7	24.7	24.3	22.5	24.9	22.0	21.6	17.9	-16.8%	0.4%
Brunei	10.5	10.3	10.1	10.8	9.5	8.6	8.3	8.5	8.1	7.8	6.6	-15.3%	0.2%
China	169.6	174.1	181.4	184.8	186.3	190.4	189.5	203.0	202.9	207.5	208.1	0.6%	5.0%
India	37.3	38.2	36.6	37.8	37.9	37.9	37.2	40.8	42.3	42.0	42.0	0.1%	1.0%
Indonesia	57.6	55.6	53.7	50.2	47.8	49.4	48.4	48.6	46.3	44.6	42.7	-4.0%	1.0%
Malaysia	35.4	36.3	34.6	32.7	33.8	34.0	32.2	32.0	28.9	30.3	29.6	-2.2%	0.7%
Thailand	9.5	9.3	11.4	12.5	13.2	14.0	14.6	14.8	15.2	16.4	16.6	1.8%	0.4%
Vietnam	17.6	20.7	19.0	17.2	16.3	15.2	16.7	15.3	15.5	17.0	17.0	0.4%	0.4%
Other Asia Pacific	8.8	10.4	12.4	13.1	13.9	14.8	14.4	13.8	13.1	12.5	11.4	-8.5%	0.3%
Total Asia Pacific	376.2	380.8	384.6	382.8	383.4	388.8	383.7	401.7	394.3	399.8	392.0	-1.7%	9.5%
Total World	3737.5	3909.6	3947.5	3968.7	3955.3	3993.2	3890.9	3979.3	4010.6	4119.8	4132.9	0.6%	100.0%
of which: OECD	990.8	972.2	926.3	904.2	889.3	857.8	853.6	857.0	858.1	903.1	951.0	5.6%	23.0%
Non-OECD	2746.7	2937.5	3021.2	3064.5	3066.0	3135.4	3037.3	3122.2	3152.5	3216.7	3181.9	-0.8%	77.0%
OPEC	1506.9	1645.9	1694.2	1708.2	1689.2	1746.0	1622.6	1667.2	1704.4	1776.3	1740.1	-1.8%	42.1%
Non-OPEC+	1712.8	1701.0	1671.5	1654.9	1636.6	1615.1	1617.3	1647.2	1639.6	1670.3	1711.6	2.7%	41.4%
European Union	149.3	138.8	126.7	115.5	113.9	106.3	99.8	93.4	81.6	72.9	68.4	-5.8%	1.7%
Former Soviet Union	517.8	562.7	581.8	605.6	629.4	632.0	651.0	664.8	666.7	673.1	681.3	1.5%	16.5%

*Includes crude oil, tight oil, oil sands and NGLs (the liquid content of natural gas where this is recovered separately). Excludes liquid fuels from other sources such as biomass and derivatives of coal and natural gas.

†Excludes Former Soviet Union.

Note: Growth rates are adjusted for leap years.

Consumption*

Million tonnes	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	900.7	936.5	939.8	930.7	928.8	875.4	833.2	850.1	834.9	817.0	831.0	2.0%	19.9%
Canada	97.3	100.8	99.9	99.4	102.3	101.2	95.0	101.3	105.0	104.3	103.5	-0.5%	2.5%
Mexico	85.0	88.5	90.8	89.7	92.0	91.6	88.5	88.5	90.3	92.3	89.7	-2.6%	2.1%
Total North America	1083.0	1125.9	1130.5	1119.7	1123.1	1068.2	1016.7	1039.9	1030.2	1013.6	1024.2	1.3%	24.5%
Argentina	18.5	19.4	20.7	21.7	24.0	24.7	24.1	26.9	26.9	28.5	29.4	3.6%	0.7%
Brazil	88.7	92.0	94.2	95.8	101.8	108.6	109.1	118.1	121.9	125.8	132.7	5.8%	3.2%
Chile	10.6	11.5	11.8	13.2	17.0	17.8	17.4	15.4	16.8	17.3	17.6	2.0%	0.4%
Colombia	10.0	10.3	10.5	10.7	10.7	10.7	11.0	11.6	12.4	13.4	13.9	4.0%	0.3%
Ecuador	7.0	7.2	7.9	8.3	8.5	8.7	8.9	10.3	10.5	10.9	11.6	6.3%	0.3%
Peru	6.5	7.3	7.1	6.9	7.1	8.0	8.1	8.5	9.2	9.5	10.0	5.3%	0.2%
Trinidad & Tobago	1.1	1.2	1.2	1.4	1.7	1.8	1.7	1.9	1.7	1.7	1.8	6.3%	•
Venezuela	24.1	26.0	28.3	29.5	29.7	33.8	34.2	32.1	31.9	33.0	36.2	10.2%	0.9%
Other S. & Cent. America	60.6	61.4	60.4	61.1	61.6	58.7	58.0	58.4	59.0	59.1	58.4	-1.0%	1.4%
Total S. & Cent. America	227.3	236.3	242.1	248.6	262.1	272.8	272.5	283.2	290.5	299.2	311.6	4.4%	7.4%
Austria	14.2	13.9	14.0	14.2	13.4	13.4	12.8	13.4	12.5	12.5	12.5	0.6%	0.3%
Azerbaijan	4.3	4.5	5.4	4.8	4.5	3.6	3.3	3.2	4.0	4.2	4.6	9.8%	0.1%
Belarus	8.1	8.1	7.5	8.8	8.0	7.9	9.3	7.5	8.6	8.6	8.7	0.7%	0.2%
Belgium	33.8	33.5	33.5	33.4	33.7	36.8	32.2	33.5	32.3	30.4	31.0	2.5%	0.7%
Bulgaria	4.4	4.3	4.8	5.0	4.8	4.8	4.3	3.9	3.8	3.9	4.1	4.2%	0.1%
Czech Republic	8.7	9.5	9.9	9.8	9.7	9.9	9.7	9.2	9.0	8.9	8.6	-3.9%	0.2%
Denmark	9.2	9.1	9.2	9.4	9.4	9.3	8.3	8.4	8.3	7.8	7.8	0.5%	0.2%
Finland	11.4	10.6	11.0	10.6	10.6	10.5	9.9	10.4	9.7	9.0	8.9	-1.7%	0.2%
France	93.1	94.0	93.1	93.0	91.4	90.8	87.5	84.5	83.7	81.0	80.3	-0.6%	1.9%
Germany	125.1	124.0	122.4	123.6	112.5	118.9	113.9	115.4	112.0	111.4	112.1	0.9%	2.7%
Greece	19.7	21.3	21.1	22.1	21.7	21.3	20.1	17.9	17.0	15.1	14.0	-7.1%	0.3%
Hungary	6.1	6.3	7.4	7.8	7.7	7.5	7.1	6.7	6.4	5.9	6.0	1.6%	0.1%
Republic of Ireland	8.5	8.9	9.3	9.3	9.4	9.0	8.0	7.6	6.7	6.5	6.7	4.7%	0.2%
Italy	92.1	89.7	86.7	86.7	84.0	80.4	75.1	73.1	70.5	64.2	61.8	-3.6%	1.5%
Kazakhstan	8.9	9.5	9.8	10.3	11.3	11.0	8.9	9.3	12.3	13.1	13.8	5.9%	0.3%
Lithuania	2.4	2.6	2.8	2.8	2.8	3.1	2.6	2.7	2.6	2.7	2.7	1.4%	0.1%
Netherlands	45.1	47.1	50.1	50.8	50.7	47.3	45.9	45.9	46.1	43.7	41.4	-4.9%	1.0%
Norway	10.4	10.0	10.2	10.5	10.7	10.4	10.6	10.8	10.6	10.5	10.6	1.0%	0.3%
Poland	20.2	21.6	22.4	23.3	24.2	25.3	25.3	26.7	26.6	25.7	24.0	-6.2%	0.6%
Portugal	15.2	15.4	16.0	14.4	14.4	13.6	12.8	12.5	11.6	10.9	10.8	-0.8%	0.3%
Romania	9.4	10.9	10.5	10.3	10.3	10.4	9.2	8.8	9.1	9.2	9.0	-1.7%	0.2%
Russian Federation	127.3	126.2	126.1	130.3	130.0	133.9	128.2	134.3	143.5	148.9	153.1	3.1%	3.7%
Slovakia	3.3	3.2	3.8	3.4	3.6	3.9	3.7	3.9	3.9	3.6	3.5	-1.3%	0.1%
Spain	76.2	78.5	79.3	79.3	80.3	77.9	73.5	69.6	68.5	64.2	59.3	-7.3%	1.4%
Sweden	17.7	17.5	17.2	17.2	16.9	16.7	15.5	16.2	14.8	14.6	14.3	-2.0%	0.3%
Switzerland	12.1	12.0	12.2	12.6	11.3	12.1	12.3	11.4	11.0	11.2	11.8	5.0%	0.3%
Turkey	30.8	31.0	31.1	32.8	33.6	32.1	32.5	31.8	31.1	31.4	33.1	5.7%	0.8%
Turkmenistan	5.0	5.1	5.1	5.0	5.2	5.4	5.2	5.7	6.0	6.1	6.3	2.8%	0.2%
Ukraine	13.6	14.3	13.7	14.2	14.7	14.3	13.5	12.6	13.1	12.5	12.2	-2.7%	0.3%
United Kingdom	79.0	81.7	83.0	82.3	79.2	77.9	74.4	73.5	71.1	71.0	69.8	-1.4%	1.7%
Uzbekistan	7.3	7.4	5.1	5.1	4.6	4.5	4.3	3.7	3.5	3.3	3.3	2.1%	0.1%
Other Europe & Eurasia	28.2	29.7	30.7	31.4	32.4	33.0	32.4	32.6	32.5	32.0	32.5	1.6%	0.8%
Total Europe & Eurasia	950.7	961.3	964.2	974.3	957.3	956.8	912.4	906.4	902.3	884.2	878.6	-0.4%	21.0%
Iran	71.3	73.4	80.5	87.4	89.4	93.3	95.5	86.7	88.2	89.5	92.9	4.0%	2.2%
Israel	12.8	12.0	12.2	11.9	12.4	12.2	11.4	10.9	11.5	13.6	10.6	-21.9%	0.3%
Kuwait	15.6	17.8	19.5	17.7	17.9	19.0	20.4	21.6	20.4	21.6	21.8	1.2%	0.5%
Qatar	3.1	3.4	3.9	4.5	5.3	6.1	6.0	6.5	7.8	8.0	8.5	7.1%	0.2%
Saudi Arabia	81.7	88.3	88.2	92.3	98.0	106.7	115.8	124.2	125.1	131.3	135.0	3.1%	3.2%
United Arab Emirates	22.1	23.9	24.5	26.3	28.2	29.4	27.7	30.1	33.0	34.3	35.6	4.2%	0.9%
Other Middle East	59.3	60.9	63.9	58.8	62.4	69.4	70.3	74.2	75.2	79.5	80.5	1.5%	1.9%
Total Middle East	265.9	279.6	292.8	298.9	313.7	336.1	347.1	354.3	361.3	377.7	384.8	2.2%	9.2%
Algeria	10.1	10.6	11.0	11.5	12.9	14.0	14.9	14.8	15.5	16.7	17.5	5.0%	0.4%
Egypt	25.9	26.8	29.8	28.7	30.6	32.6	34.4	36.3	33.7	35.2	35.7	1.5%	0.9%
South Africa	23.9	24.7	24.8	25.3	26.6	25.7	24.2	26.6	27.4	27.3	27.2	-0.1%	0.7%
Other Africa	66.0	69.9	73.2	73.2	75.2	80.9	82.6	86.5	81.9	86.8	90.5	4.6%	2.2%
Total Africa	125.9	132.0	138.9	138.7	145.3	153.3	156.1	164.3	158.5	166.1	170.9	3.2%	4.1%
Australia	38.8	39.6	40.8	42.1	42.5	43.3	42.8	43.6	45.8	47.3	47.0	-0.4%	1.1%
Bangladesh	4.0	4.2	4.3	4.3	4.2	4.2	3.7	4.3	5.5	5.8	5.7	-1.7%	0.1%
China	271.7	318.9	327.8	354.5	370.6	377.6	391.0	440.4	464.1	490.1	507.4	3.8%	12.1%
China Hong Kong SAR	13.0	15.4	13.8	15.0	16.1	14.6	16.6	17.9	18.1	17.3	17.7	2.6%	0.4%
India	116.5	119.5	121.9	128.3	138.1	144.7	152.6	155.4	163.0	173.6	175.2	1.2%	4.2%
Indonesia	57.9	61.7	60.7	58.5	60.9	60.4	61.6	66.4	72.3	73.2	73.8	1.1%	1.8%
Japan	251.9	245.5	248.8	239.6	232.6	226.3	201.8	204.1	204.9	217.8	208.9	-3.8%	5.0%
Malaysia	27.6	28.0	28.0	28.9	30.8	29.5	29.2	29.3	31.1	30.7	31.2	2.0%	0.7%
New Zealand	6.8	6.8	7.0	7.1	7.1	7.2	6.9	7.0	7.0	7.0	7.1	2.1%	0.2%
Pakistan	15.8	16.0	15.3	17.6	19.3	19.4	20.8	20.6	20.8	20.0	22.0	10.3%	0.5%
Philippines	15.5	15.9	14.8	13.3	14.1	12.4	13.2	13.2	12.9	13.0	13.7	5.5%	0.3%
Singapore	35.4	39.4	43.1	46.4	50.4	53.6	57.0	62.8	65.5	65.4	65.9	1.1%	1.6%
South Korea	106.4	104.6	104.6	104.7	107.6	103.1	103.7	105.0	105.8	108.8	108.4	•	2.6%
Taiwan	47.5	49.6	49.4	49.2	51.2	45.8	44.0	45.3	42.5	41.9	43.4	3.9%	1.0%
Thailand	38.3	41.7	42.6	42.2	41.6	41.2	44.2	44.3	46.6	49.6	50.4	2.0%	1.2%
Vietnam	10.5	12.5	12.2	12.0	13.3	14.1	14.6	15.6	17.0	17.2	17.4	2.0%	0.4%
Other Asia Pacific	14.6	14.9	15.7	15.5	16.5	15.6	16.4	16.8	19.3	19.5	19.6	0.8%	0.5%
Total Asia Pacific	1072.4	1134.1	1150.9	1179.2	1216.9	1213.0	1219.9	1292.0	1342.3	1398.1	1415.0	1.5%	33.8%
Total World	3725.2	3869.1	3919.3	3959.3	4018.4	4000.2	3924.6	4040.2	4085.1	4138.9	4185.1	1.4%	100.0%
of which: OECD	2249.4	2292.3	2306.2	2292.7	2278.9	2211.6	2099.5	2115.8	2093.3	2072.9	2059.9	-0.4%	49.2%
Non-OECD	1475.8	1576.8	1613.1	1666.7	1739.5	1788.6	1825.1	1924.4	1991.8	2066.0	2125.1	3.1%	50.8%
European Union	711.8	720.9	725.1	726.4	709.1	707.1	669.4	660.9	643.1	618.8	605.2	-1.9%	14.5%
Former Soviet Union	181.9	183.2	181.2	187.1	188.1	190.5	181.8	186.2	200.7	206.9	212.2	2.8%	5.1%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of biogasoline (such as ethanol), biodiesel and derivatives of coal and natural gas are also included.

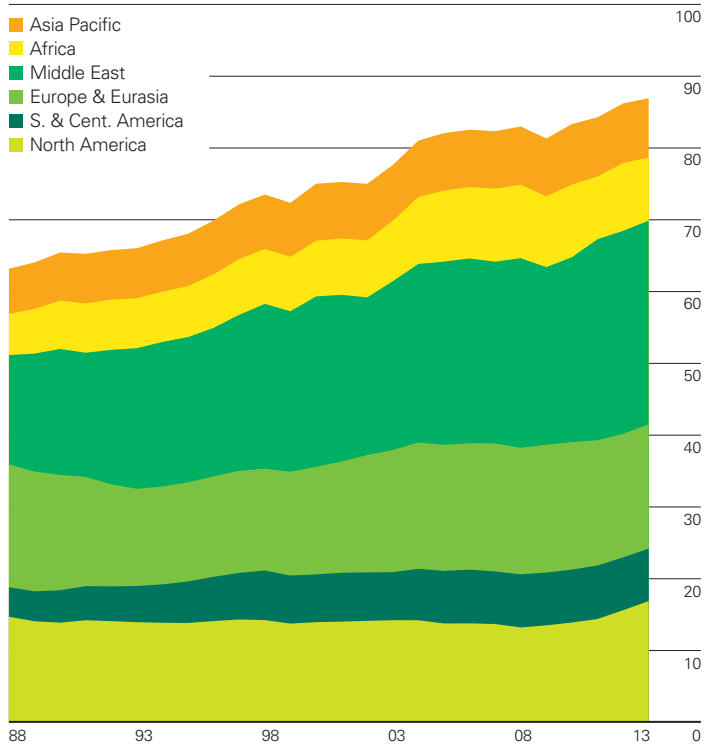
•Less than 0.05%.

Notes: Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

Growth rates are adjusted for leap years.

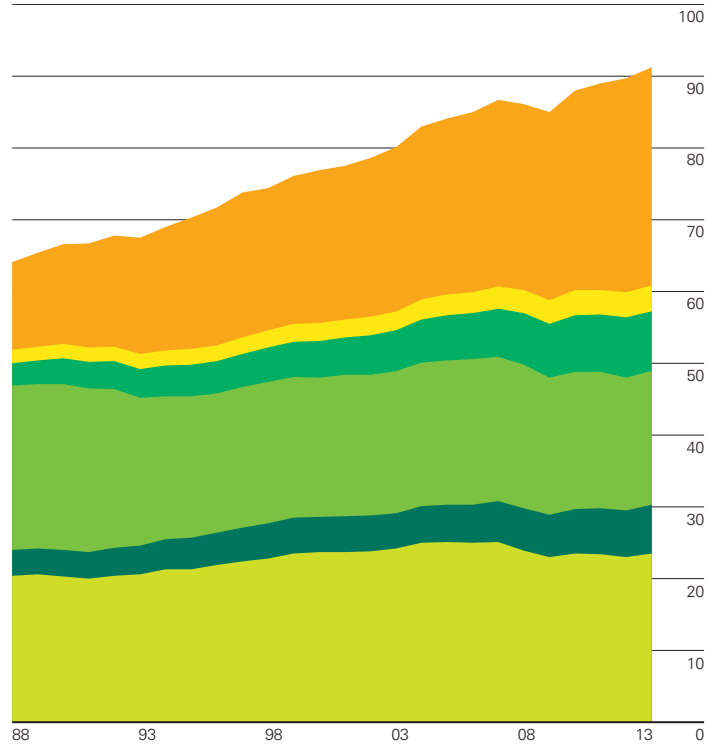
Production by region

Million barrels daily



Consumption by region

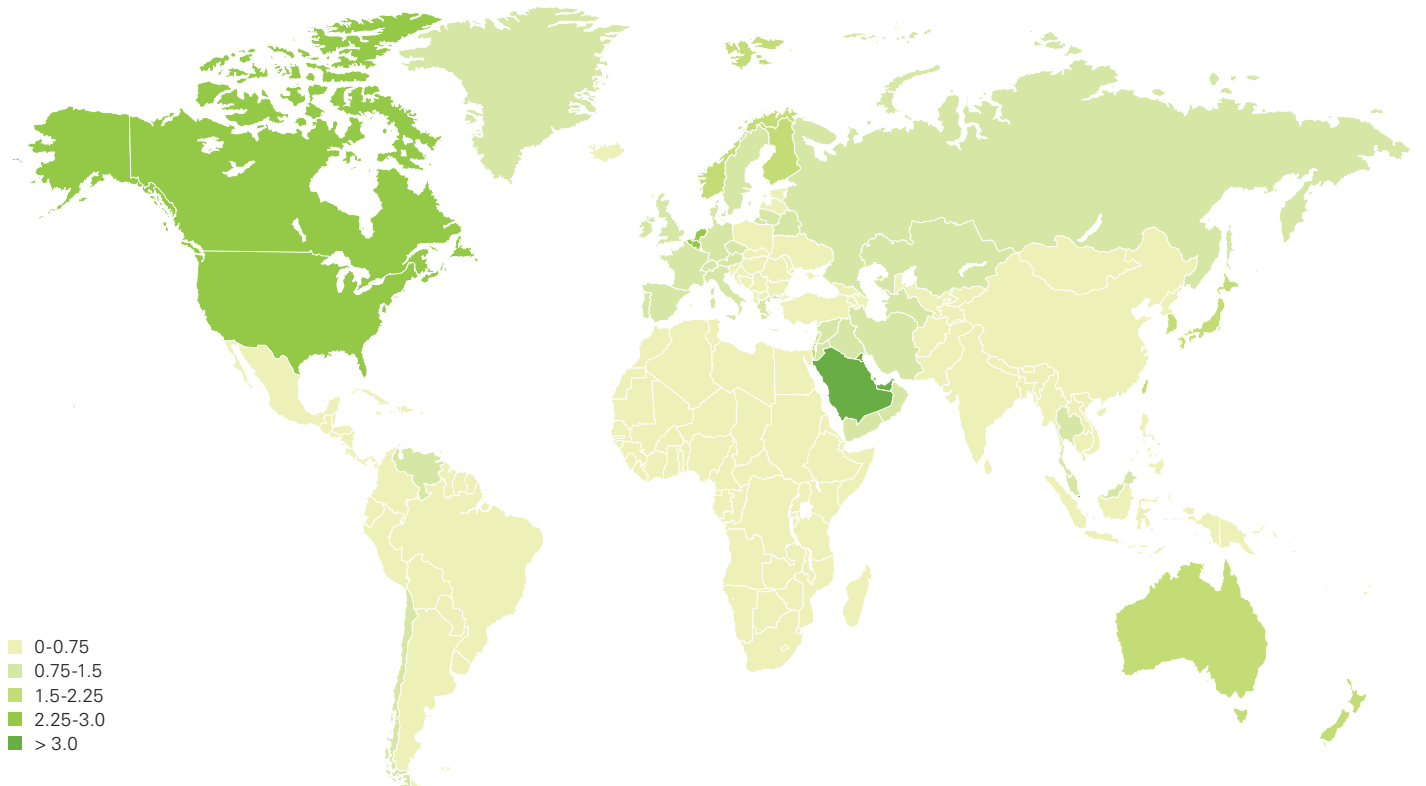
Million barrels daily



World oil production increased by just 560,000 b/d in 2013, less than half the growth of global consumption. Global consumption grew by an above-average 1.4 million b/d, with emerging economies accounting for all of the net increase. Even so, the US had the biggest increase in the world for consumption, as well as production, which grew by 400,000 b/d and 1.1 million b/d respectively. OPEC output fell by 600,000 b/d, driven by a decline of 520,000 b/d in Libya.

Consumption per capita 2013

Tonnes



Regional consumption by product group

Thousand barrels daily	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
North America											10709	1.3%	46.0%
Light distillates	10666	10978	11019	11131	11200	10859	10839	10943	10697	10574	6531	1.9%	28.0%
Middle distillates	6860	7133	7249	7297	7318	6934	6281	6567	6694	6408	578	-12.5%	2.5%
Fuel oil	1253	1340	1396	1055	1081	941	801	810	745	660	5473	3.2%	23.5%
Others	5392	5572	5455	5519	5509	5126	5035	5190	5193	5306			
Total North America	24170	25023	25119	25002	25109	23860	22957	23510	23329	22948	23292	1.5%	100.0%
of which: US													
Light distillates	9275	9518	9548	9599	9597	9253	9257	9263	9022	8932	9056	1.4%	47.9%
Middle distillates	5886	6116	6198	6226	6199	5801	5241	5464	5518	5278	5365	1.7%	28.4%
Fuel oil	763	859	914	683	718	609	508	532	459	367	320	-12.9%	1.7%
Others	4109	4239	4143	4178	4166	3827	3766	3921	3883	3913	4146	6.0%	22.0%
Total US	20033	20732	20802	20687	20680	19490	18771	19180	18882	18490	18887	2.1%	100.0%
S. & Cent. America											2039	5.2%	30.1%
Light distillates	1382	1400	1465	1498	1588	1667	1768	1846	1877	1938	2712	4.9%	40.0%
Middle distillates	1729	1872	1884	1912	2100	2161	2137	2343	2471	2587	678	2.1%	10.0%
Fuel oil	708	713	714	732	746	747	725	699	659	664	1345	4.4%	19.9%
Others	1052	1071	1136	1198	1227	1307	1283	1267	1299	1289			
Total S. & Cent. America	4872	5056	5200	5340	5661	5881	5913	6155	6306	6478	6775	4.6%	100.0%
Europe											2941	-2.0%	20.9%
Light distillates	4033	3993	3890	3757	3683	3481	3405	3350	3125	3002	7439	0.3%	52.8%
Middle distillates	7129	7338	7527	7703	7583	7802	7532	7548	7524	7413	957	-9.7%	6.8%
Fuel oil	1831	1751	1746	1711	1611	1545	1378	1256	1189	1060	2749	0.8%	19.5%
Others	3080	3141	3194	3241	3212	3144	2978	2950	2878	2728			
Total Europe	16073	16222	16358	16414	16089	15973	15294	15104	14716	14203	14086	-0.8%	100.0%
Former Soviet Union											1362	1.8%	29.9%
Light distillates	1079	1081	1097	1138	1206	1264	1234	1292	1297	1338	1573	2.2%	34.5%
Middle distillates	1089	1124	1152	1203	1285	1345	1221	1334	1481	1540	391	4.0%	8.6%
Fuel oil	605	542	521	573	461	436	408	380	384	376	1233	4.4%	27.0%
Others	1040	1094	1059	1029	1042	996	1024	977	1131	1180			
Total Former Soviet Union	3814	3840	3829	3943	3993	4040	3887	3984	4293	4434	4559	2.8%	100.0%
Middle East											1915	2.6%	22.5%
Light distillates	1258	1318	1404	1478	1505	1612	1643	1706	1784	1866	2662	-0.2%	31.2%
Middle distillates	1804	1908	2046	2092	2240	2287	2390	2425	2544	2667	2106	3.5%	24.7%
Fuel oil	1392	1447	1478	1482	1590	1760	1894	1927	1957	2036	1843	3.3%	21.6%
Others	1216	1267	1407	1403	1420	1548	1581	1709	1719	1785			
Total Middle East	5670	5941	6335	6456	6755	7206	7508	7767	8004	8353	8526	2.1%	100.0%
Africa											872	♦	24.1%
Light distillates	643	678	705	689	710	766	799	840	824	872	1734	4.2%	47.8%
Middle distillates	1168	1201	1256	1312	1413	1498	1519	1616	1621	1663	442	6.5%	12.2%
Fuel oil	395	403	457	422	421	432	431	453	383	415	577	1.2%	15.9%
Others	448	490	502	503	524	540	557	570	548	570			
Total Africa	2654	2771	2920	2927	3068	3235	3306	3479	3374	3519	3624	3.0%	100.0%
Asia											9604	4.0%	31.5%
Light distillates	6460	6810	6968	7202	7553	7625	7998	8610	8875	9237	10829	1.1%	35.5%
Middle distillates	8356	8799	9045	9129	9288	9394	9453	9916	10321	10717	3253	-5.0%	10.7%
Fuel oil	3473	3492	3473	3622	3626	3458	3124	3131	3251	3425	6783	2.5%	22.3%
Others	4673	5101	5143	5291	5613	5475	5672	6145	6464	6619			
Total Asia Pacific	22962	24202	24629	25244	26080	25952	26247	27802	28912	29997	30470	1.6%	100.0%
of which: China											3329	6.4%	30.9%
Light distillates	1498	1681	1787	1938	2048	2202	2377	2767	2970	3130	4001	1.2%	37.2%
Middle distillates	1938	2277	2518	2713	2869	3079	3178	3430	3660	3951	751	8.3%	7.0%
Fuel oil	869	943	893	989	923	804	713	715	662	694	2676	3.2%	24.9%
Others	1467	1838	1746	1860	2020	1909	2038	2404	2574	2592			
Total China	5771	6740	6945	7500	7860	7994	8306	9317	9867	10367	10756	3.8%	100.0%
of which: Japan											1663	1.7%	36.6%
Light distillates	1755	1766	1817	1794	1770	1650	1669	1728	1664	1636	1352	-0.5%	29.7%
Middle distillates	1913	1869	1878	1760	1621	1502	1381	1391	1343	1360	639	-21.2%	14.0%
Fuel oil	749	653	676	657	657	707	450	442	577	811	895	-0.6%	19.7%
Others	1039	1019	1021	999	1005	1024	922	913	887	901			
Total Japan	5456	5308	5391	5210	5053	4882	4422	4474	4470	4709	4551	-3.4%	100.0%
World											29442	2.1%	32.2%
Light distillates	25522	26258	26549	26893	27444	27273	27685	28588	28480	28826	33480	1.5%	36.7%
Middle distillates	28135	29375	30159	30649	31227	31420	30534	31749	32656	32994	8405	-2.7%	9.2%
Fuel oil	9658	9688	9786	9599	9536	9318	8761	8657	8567	8636	20003	2.7%	21.9%
Others	16902	17734	17896	18185	18547	18137	18131	18807	19231	19476			
Total World	80216	83055	84389	85325	86754	86147	85111	87801	88934	89931	91331	1.6%	100.0%
OECD											17014	0.6%	37.3%
Light distillates	17741	17984	18021	18009	18098	17412	17390	17548	17080	16911	16480	0.8%	36.2%
Middle distillates	16906	17329	17669	17783	17609	17303	16226	16576	16668	16344	2370	-14.5%	5.2%
Fuel oil	4230	4138	4203	3799	3717	3508	2908	2768	2745	2773	9693	1.8%	21.3%
Others	10057	10262	10185	10297	10266	9862	9533	9617	9546	9517			
Total OECD	48934	49713	50078	49888	49690	48085	46057	46509	46040	45545	45558	♦	100.0%
Non-OECD											12428	4.3%	27.2%
Light distillates	7782	8273	8528	8883	9346	9861	10295	11040	11400	11915	16999	2.1%	37.1%
Middle distillates	11228	12046	12490	12866	13618	14117	14308	15173	15988	16649	6035	2.9%	13.2%
Fuel oil	5427	5550	5583	5800	5819	5810	5853	5889	5821	5863	10311	3.5%	22.5%
Others	6845	7473	7711	7888	8281	8275	8598	9189	9684	9959			
Total Non-OECD	31282	33342	34311	35437	37064	38062	39054	41292	42894	44386	45773	3.1%	100.0%
European Union											2753	-2.2%	21.6%
Light distillates	3805	3755	3665	3528	3476	3290	3185	3142	2933	2816	6735	-0.2%	52.7%
Middle distillates	6621	6810	6981	7114	6978	7160	6892	6920	6885	6750	889	-10.4%	7.0%
Fuel oil	1649	1601	1603	1587	1502	1451	1289	1190	1118	992	2393	0.2%	18.7%
Others	2793	2835	2874	2895	2846	2810	2611	2575	2520	2389			
Total European Union	14866	15002	15123	15122	14802	14710	13977	13827	13455	12946	12770	-1.4%	100.0%

♦ Less than 0.05%.

Notes: Annual changes and shares of total are calculated using thousand barrels daily figures.

Light distillates consists of aviation and motor gasolines and light distillate feedstock (LDF).

Middle distillates consists of jet and heating kerosenes, and gas and diesel oils (including marine bunkers).

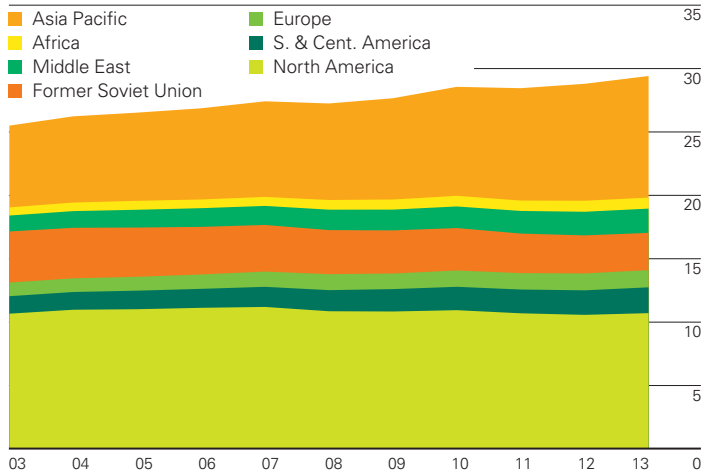
Fuel oil includes marine bunkers and crude oil used directly as fuel.

Others consists of refinery gas, liquefied petroleum gas (LPG), solvents, petroleum coke, lubricants, bitumen, wax, other refined products and refinery fuel and loss.

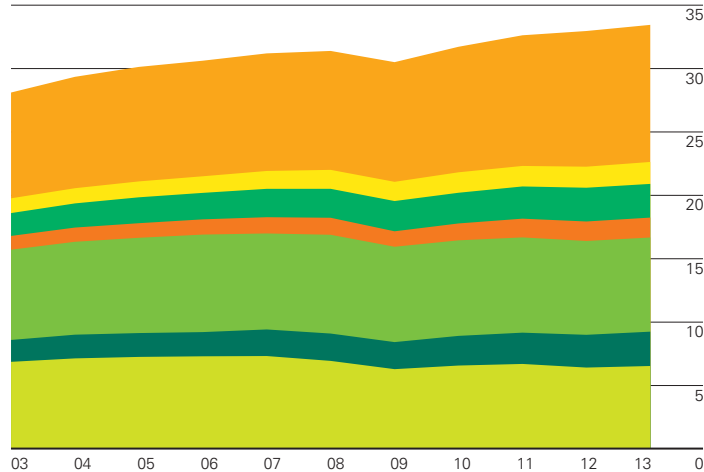
Product consumption by region

Million barrels daily

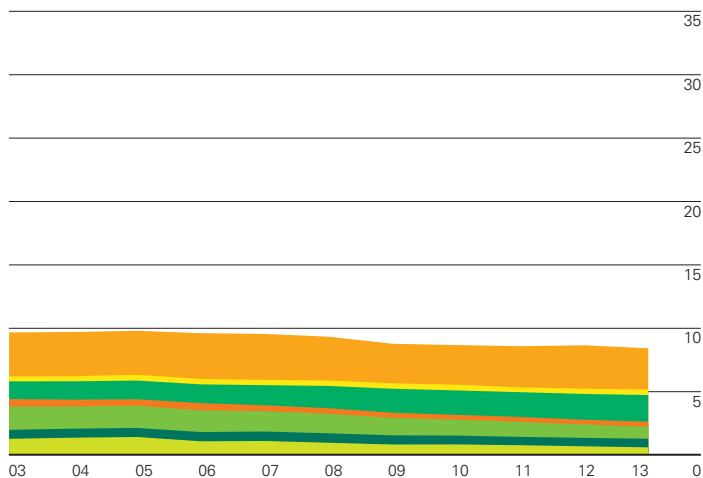
Light distillates



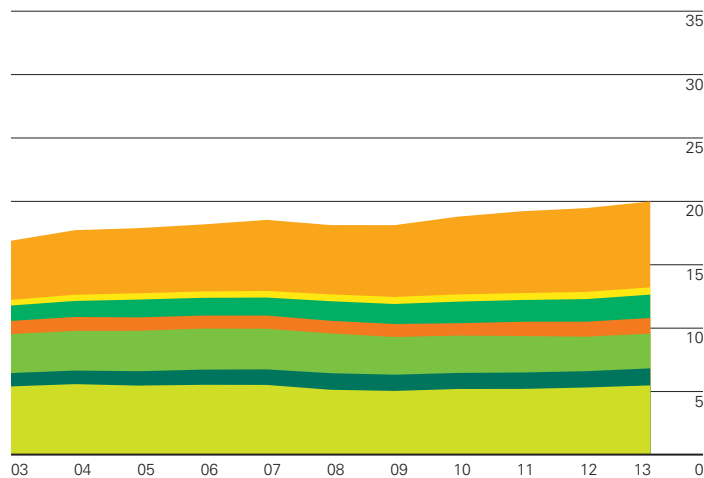
Middle distillates



Fuel oil

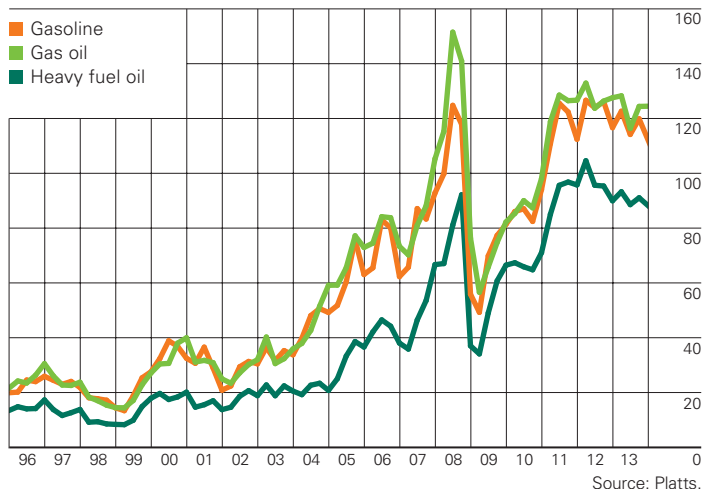


Others



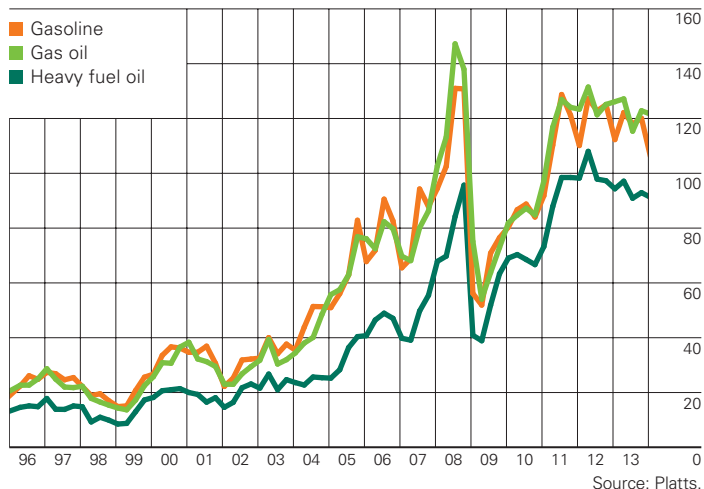
Rotterdam product prices

US dollars per barrel



US Gulf Coast product prices

US dollars per barrel



Spot crude prices

US dollars per barrel	Dubai \$/bbl*	Brent \$/bbl†	Nigerian Forcados \$/bbl	West Texas Intermediate \$/bbl‡
1976	11.63	12.80	12.87	12.23
1977	12.38	13.92	14.21	14.22
1978	13.03	14.02	13.65	14.55
1979	29.75	31.61	29.25	25.08
1980	35.69	36.83	36.98	37.96
1981	34.32	35.93	36.18	36.08
1982	31.80	32.97	33.29	33.65
1983	28.78	29.55	29.54	30.30
1984	28.06	28.78	28.14	29.39
1985	27.53	27.56	27.75	27.98
1986	13.10	14.43	14.46	15.10
1987	16.95	18.44	18.39	19.18
1988	13.27	14.92	15.00	15.97
1989	15.62	18.23	18.30	19.68
1990	20.45	23.73	23.85	24.50
1991	16.63	20.00	20.11	21.54
1992	17.17	19.32	19.61	20.57
1993	14.93	16.97	17.41	18.45
1994	14.74	15.82	16.25	17.21
1995	16.10	17.02	17.26	18.42
1996	18.52	20.67	21.16	22.16
1997	18.23	19.09	19.33	20.61
1998	12.21	12.72	12.62	14.39
1999	17.25	17.97	18.00	19.31
2000	26.20	28.50	28.42	30.37
2001	22.81	24.44	24.23	25.93
2002	23.74	25.02	25.04	26.16
2003	26.78	28.83	28.66	31.07
2004	33.64	38.27	38.13	41.49
2005	49.35	54.52	55.69	56.59
2006	61.50	65.14	67.07	66.02
2007	68.19	72.39	74.48	72.20
2008	94.34	97.26	101.43	100.06
2009	61.39	61.67	63.35	61.92
2010	78.06	79.50	81.05	79.45
2011	106.18	111.26	113.65	95.04
2012	109.08	111.67	114.21	94.13
2013	105.47	108.66	111.95	97.99

*1976-1985 Arabian Light, 1986-2013 Dubai dated.

†1976-1983 Forties, 1984-2013 Brent dated.

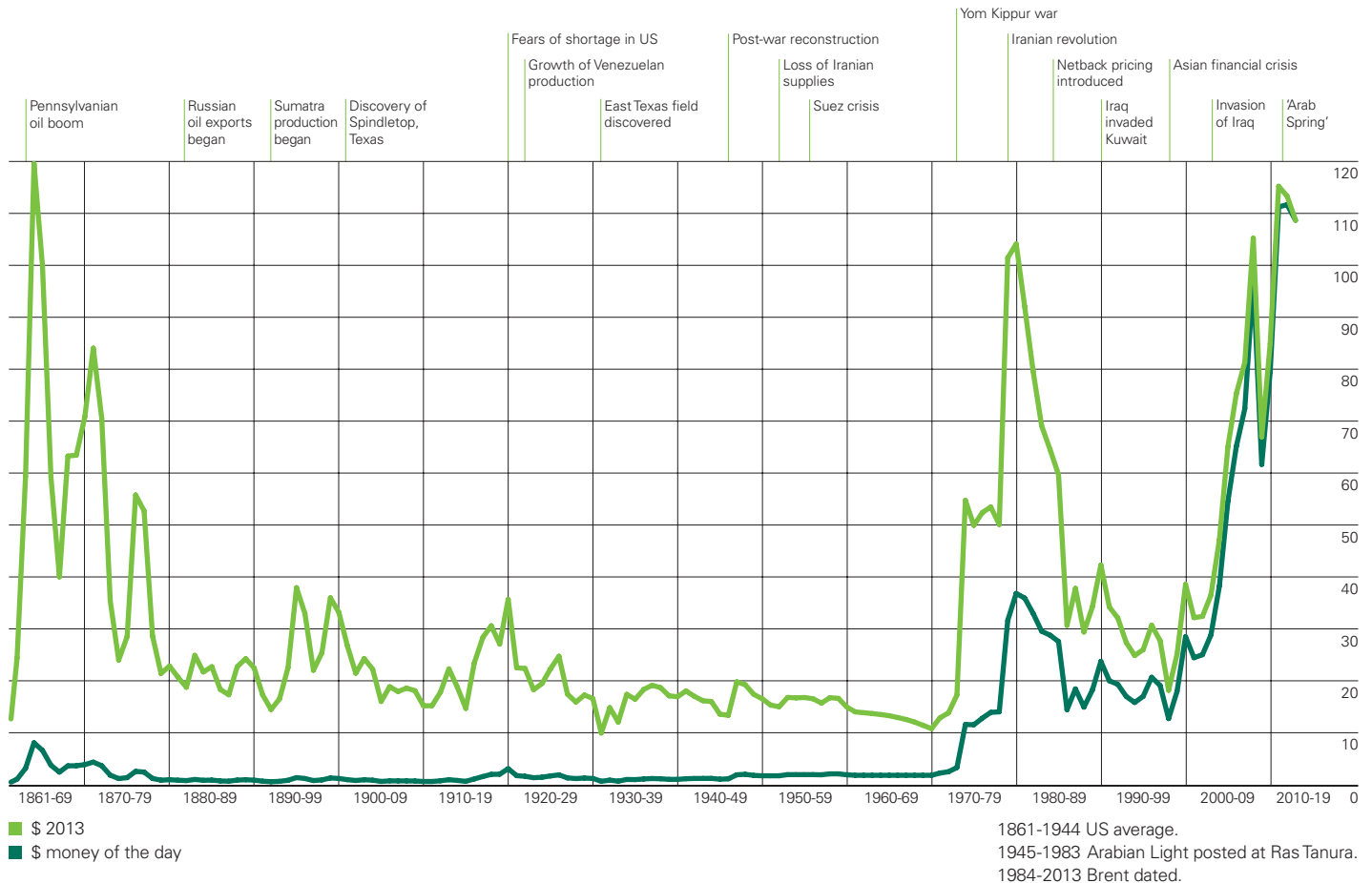
‡1976-1983 Posted WTI prices, 1984-2013 Spot WTI (Cushing) prices.

Source: Platts.

Crude oil prices 1861-2013

US dollars per barrel

World events



Refinery capacities

Thousand barrels daily*	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	16894	17125	17339	17443	17594	17672	17584	17736	17322	17824	17818	♦	18.8%
Canada	1959	1915	1896	1914	1907	1951	1976	1951	2046	2063	1965	-4.7%	2.1%
Mexico	1463	1463	1463	1463	1463	1463	1463	1463	1606	1606	1606	—	1.7%
Total North America	20316	20503	20698	20821	20964	21086	21023	21151	20974	21492	21389	-0.5%	22.5%
Argentina	614	617	621	617	628	628	630	633	640	645	663	2.8%	0.7%
Brazil	1915	1915	1916	1916	1935	2045	2093	2093	2010	2000	2093	4.6%	2.2%
Netherlands Antilles	320	320	320	320	320	320	320	320	320	320	320	—	0.3%
Venezuela	1269	1284	1291	1294	1303	1303	1303	1303	1303	1303	1353	3.8%	1.4%
Other S. & Cent. America	2229	2235	2254	2263	2313	2359	2328	2298	2195	1626	1600	-1.6%	1.7%
Total S. & Cent. America	6347	6371	6402	6410	6499	6655	6674	6647	6468	5894	6029	2.3%	6.4%
Belgium	805	782	778	774	745	745	823	813	823	786	810	3.1%	0.9%
France	1967	1982	1978	1959	1962	1971	1873	1702	1610	1639	1520	-7.2%	1.6%
Germany	2304	2320	2322	2390	2390	2366	2362	2091	2077	2097	2061	-1.7%	2.2%
Greece	412	412	418	425	425	425	425	440	495	498	498	—	0.5%
Italy	2485	2497	2515	2526	2497	2396	2396	2396	2311	2200	2062	-6.3%	2.2%
Netherlands	1282	1284	1274	1274	1236	1280	1280	1274	1276	1274	1274	—	1.3%
Norway	310	310	316	316	316	316	316	316	316	316	316	—	0.3%
Russian Federation	5320	5328	5400	5484	5498	5419	5401	5511	5589	5785	6027	4.2%	6.3%
Spain	1347	1372	1377	1362	1362	1362	1362	1416	1416	1537	1537	—	1.6%
Sweden	422	422	422	422	422	422	422	422	434	434	434	—	0.5%
Turkey	713	693	613	613	613	613	613	613	613	613	613	—	0.6%
United Kingdom	1813	1848	1819	1836	1819	1827	1757	1757	1787	1526	1526	—	1.6%
Other Europe & Eurasia	5600	5576	5539	5427	5464	5450	5492	5606	5513	5220	5208	-0.2%	5.5%
Total Europe & Eurasia	24780	24826	24772	24807	24750	24592	24521	24358	24262	23926	23887	-0.2%	25.2%
Iran	1607	1642	1642	1727	1772	1805	1860	1860	1860	1892	1970	4.1%	2.1%
Iraq	750	750	753	758	765	754	786	907	996	1042	1129	8.3%	1.2%
Kuwait	914	936	936	936	936	936	936	936	936	936	936	—	1.0%
Saudi Arabia	1894	2079	2107	2107	2107	2107	2107	2107	2117	2122	2522	18.9%	2.7%
United Arab Emirates	645	620	620	620	625	680	700	700	705	710	710	—	0.7%
Other Middle East	1248	1248	1248	1298	1381	1390	1536	1541	1553	1553	1555	0.1%	1.6%
Total Middle East	7058	7275	7306	7446	7586	7672	7925	8051	8167	8255	8822	6.9%	9.3%
Total Africa	3141	3058	3154	3017	3034	3148	3009	3203	3152	3350	3517	5.0%	3.7%
Australia	756	763	711	694	733	734	734	740	742	663	662	-0.2%	0.7%
China	6295	6603	7165	7865	8399	8722	9479	10302	10834	11933	12598	5.6%	13.3%
India	2293	2558	2558	2872	2983	2992	3574	3703	3795	4279	4319	0.9%	4.5%
Indonesia	1057	1057	1057	1127	1150	1052	1085	1139	1116	1041	1072	3.0%	1.1%
Japan	4645	4531	4531	4588	4650	4650	4630	4291	4274	4254	4123	-3.1%	4.3%
Singapore	1255	1255	1255	1255	1255	1385	1385	1385	1395	1395	1395	—	1.5%
South Korea	2598	2598	2598	2633	2671	2712	2712	2712	2860	2887	2887	—	3.0%
Taiwan	1159	1159	1159	1140	1197	1197	1197	1197	1197	1197	1197	—	1.3%
Thailand	1068	1068	1078	1125	1125	1195	1255	1260	1260	1260	1267	0.6%	1.3%
Other Asia Pacific	1416	1408	1431	1440	1452	1471	1634	1678	1697	1704	1765	3.6%	1.9%
Total Asia Pacific	22541	22999	23543	24739	25615	26110	27684	28407	29169	30612	31284	2.2%	33.0%
Total World	84182	85033	85875	87240	88447	89262	90836	91816	92192	93529	94929	1.5%	100.0%
of which: OECD	44986	45133	45210	45459	45679	45780	45634	45115	45013	45179	44704	-1.1%	47.1%
Non-OECD	39196	39900	40665	41781	42768	43482	45202	46701	47178	48350	50225	3.9%	52.9%
European Union	15911	15985	15993	16023	15951	15825	15724	15425	15343	15021	14736	-1.9%	15.5%
Former Soviet Union	7702	7690	7702	7726	7741	7712	7720	7856	7840	7856	8068	2.7%	8.5%

*Atmospheric distillation capacity on a calendar-day basis.

♦Less than 0.05%.

Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Source: Includes data from ICIS ATEC.

Refinery throughputs

Thousand barrels daily*	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	15304	15475	15220	15242	15156	14648	14336	14724	14806	14999	15315	2.1%	20.1%
Canada	1880	1957	1883	1835	1908	1839	1773	1832	1734	1795	1762	-1.8%	2.3%
Mexico	1436	1436	1415	1407	1395	1392	1392	1184	1166	1199	1224	2.1%	1.6%
S. & Cent. America	5009	5401	5380	5334	5456	5369	4900	4850	5053	4657	4786	2.8%	6.3%
Europe & Eurasia	19920	20371	20736	20783	20716	20635	19509	19627	19491	19538	19142	-2.0%	25.1%
Middle East	5602	5796	6008	6300	6397	6396	6241	6338	6517	6388	6353	-0.5%	8.3%
Africa	2301	2304	2491	2372	2372	2457	2292	2449	2169	2206	2177	-1.3%	2.9%
Australasia	823	820	757	749	767	756	762	756	789	779	735	-5.7%	1.0%
China	4823	5382	5916	6155	6563	6953	7488	8571	9059	9199	9648	4.9%	12.6%
India	2380	2559	2561	2860	3107	3213	3641	3899	4085	4302	4462	3.7%	5.8%
Japan	4118	4038	4136	4026	3995	3946	3627	3619	3410	3400	3453	1.5%	4.5%
Other Asia Pacific	6938	7364	7491	7482	7521	7387	7288	7397	7390	7436	7227	-2.8%	9.5%
Total World	70534	72903	73995	74545	75354	74992	73249	75245	75668	75899	76284	0.5%	100.0%
of which: OECD	39814	40368	40166	39980	39720	38791	36975	37242	36904	37196	36856	-0.9%	48.3%
Non-OECD	30720	32535	33828	34566	35634	36201	36275	38003	38764	38702	39428	1.9%	51.7%
European Union	13784	14131	14203	14038	13805	13682	12681	12597	12245	12206	11620	-4.8%	15.2%
Former Soviet Union	5276	5417	5713	5873	6017	6188	6170	6401	6592	6683	6832	2.2%	9.0%

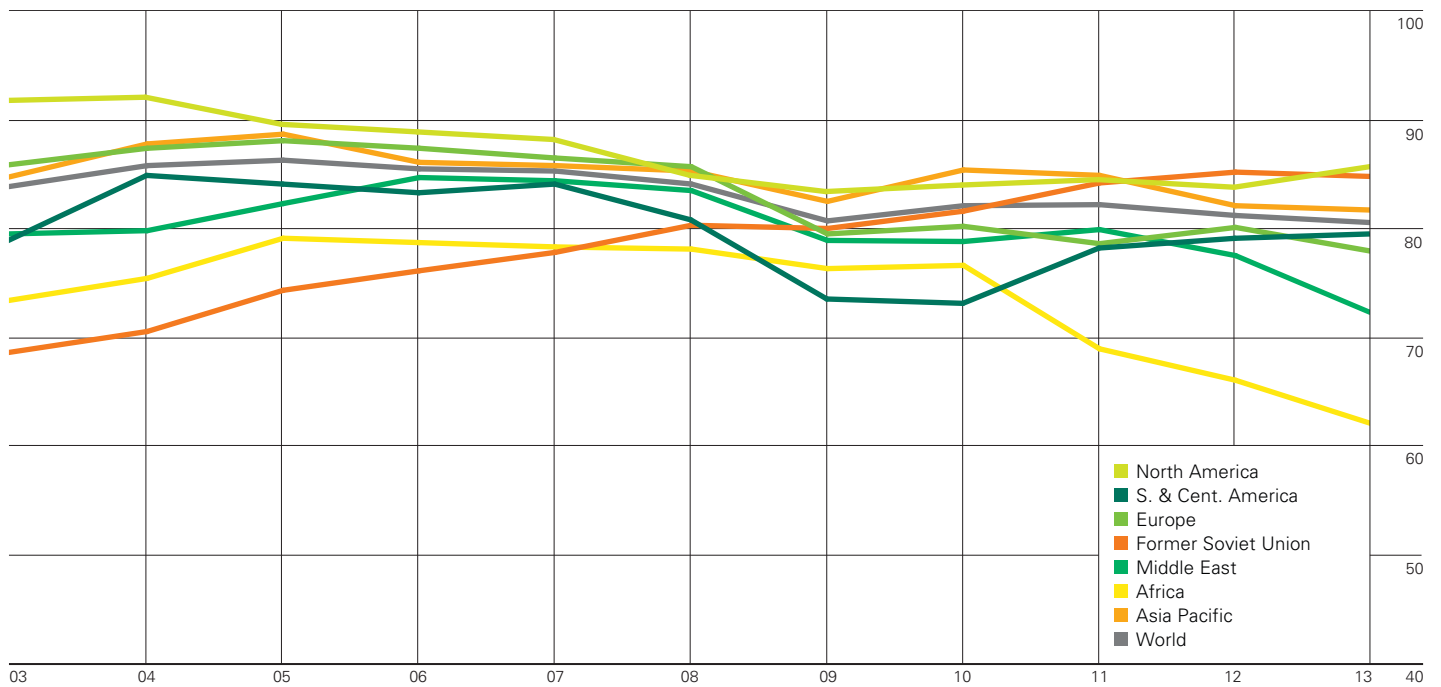
*Input to primary distillation units only.

Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Source: Includes data from Energy Security Analysis, Inc. (ESAI).

Refinery utilization

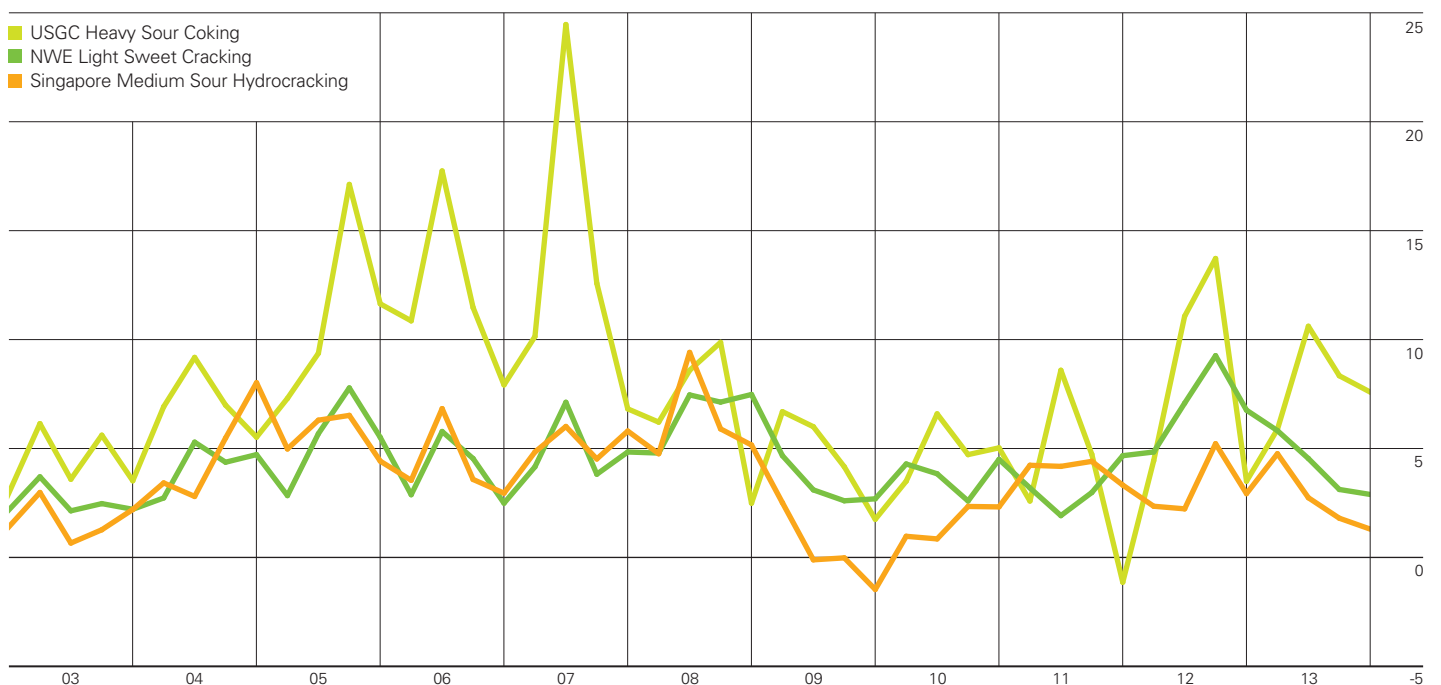
Percentage



Global crude runs grew by 0.4 million b/d in 2013, with increases in China, India and the US more than offsetting declines in Europe and Other Asia Pacific. Global refining capacity grew by 1.4 million b/d, led by additions in China and the Middle East. Global average refinery utilization slipped to 80.4%, the lowest since 1987.

Regional refining margins

US dollars per barrel



Note: The refining margins presented are benchmark margins for three major global refining centres: US Gulf Coast (USGC), North West Europe (NWE – Rotterdam) and Singapore. In each case they are based on a single crude oil appropriate for that region and have optimized product yields based on a generic refinery configuration (cracking, hydrocracking or coking), again appropriate for that region. The margins are on a semi-variable basis, i.e. the margin after all variable costs and fixed energy costs.

Trade movements

Thousand barrels daily	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
Imports													
US	12254	12898	13525	13612	13632	12872	11453	11689	11338	10587	9792	-7.5%	17.3%
Europe	11993	12538	13261	13461	13953	13751	12486	12094	12208	12488	12637	1.2%	22.4%
Japan	5314	5203	5225	5201	5032	4925	4263	4567	4494	4743	4530	-4.5%	8.0%
Rest of World	17191	18651	19172	20287	22937	23078	24132	25160	26570	27496	29516	7.3%	52.3%
Total World	46752	49290	51182	52561	55554	54626	52333	53510	54610	55314	56475	2.1%	100.0%
Exports													
US	921	991	1129	1317	1439	1967	1947	2154	2497	2680	3271	22.0%	5.8%
Canada	2096	2148	2201	2330	2457	2498	2518	2599	2798	3056	3276	7.2%	5.8%
Mexico	2115	2070	2065	2102	1975	1609	1449	1539	1487	1366	1335	-2.3%	2.4%
S. & Cent. America	2942	3233	3528	3681	3570	3616	3748	3568	3764	3834	3710	-3.2%	6.6%
Europe	2066	1993	2149	2173	2273	2023	2034	1888	2053	2174	2400	10.4%	4.3%
Former Soviet Union	6003	6440	7076	7155	8334	8184	7972	8544	8791	8597	9048	5.2%	16.0%
Middle East	18943	19630	19821	20204	19680	20128	18409	18883	19753	19699	19603	-0.5%	34.7%
North Africa	2715	2917	3070	3225	3336	3260	2938	2871	1949	2604	2217	-14.9%	3.9%
West Africa	3612	4048	4358	4704	4830	4587	4364	4601	4654	4564	4462	-2.2%	7.9%
Asia Pacific†	3978	4189	4243	4312	6004	5392	5631	6226	6217	6419	6680	4.1%	11.8%
Rest of World	1361	1631	1542	1359	1656	1363	1323	637	646	322	473	47.2%	0.8%
Total World	46752	49290	51182	52561	55554	54626	52333	53510	54610	55314	56475	2.1%	100.0%

†Excludes Japan. Excludes trade between other Asia Pacific countries and India prior to 2007.

North and West African exports excludes intra-Africa trade.

Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Inter-area movements 2013

To															
Million tonnes From	US	Canada	Mexico	S. & Cent. America	Europe	Former Soviet Union	Middle East	Africa	Australasia	China	India	Japan	Singapore	Other Asia Pacific	Total
US	—	14.5	24.7	52.6	32.3	0.1	3.6	6.5	0.3	7.1	1.9	5.7	5.9	1.5	156.7
Canada	154.5	—	†	1.1	3.6	†	0.1	†	†	1.6	0.1	0.6	†	0.1	161.9
Mexico	45.6	1.4	—	2.0	9.5	—	†	—	—	1.3	4.8	—	1.6	†	66.2
S. & Cent. America	83.8	0.6	0.3	—	18.2	0.1	0.1	0.3	†	30.7	31.5	2.3	13.4	2.3	183.4
Europe	23.8	7.9	3.5	9.3	—	5.0	12.3	28.7	0.1	1.3	0.6	1.3	8.2	13.5	115.6
Former Soviet Union	25.0	0.3	—	0.7	295.0	—	13.4	1.8	1.9	63.3	2.1	14.4	7.7	19.1	444.7
Middle East	100.1	6.3	0.3	6.5	102.6	0.4	—	16.5	7.7	161.8	124.6	164.2	53.0	227.2	971.4
North Africa	9.0	3.1	—	4.5	74.1	0.1	1.2	—	1.0	6.5	4.7	1.2	0.2	3.6	109.4
West Africa	31.5	4.2	—	14.3	72.9	†	—	—	5.9	53.5	26.8	3.5	0.8	8.5	221.9
East & Southern Africa	†	†	†	0.1	0.1	†	†	—	†	5.9	0.3	0.5	0.4	0.1	7.5
Australasia	0.1	—	—	0.6	0.1	†	†	†	—	6.8	0.1	2.0	1.6	6.8	18.1
China	0.3	0.1	—	4.5	0.6	0.5	1.1	1.1	0.1	—	0.6	0.5	4.3	18.7	32.2
India	2.9	0.1	—	4.5	8.3	†	17.4	8.5	†	0.6	—	3.0	7.1	6.7	59.1
Japan	0.8	†	—	0.2	0.2	†	†	0.1	3.5	1.7	†	—	3.3	5.4	15.4
Singapore	0.7	†	—	0.3	1.2	†	1.4	2.9	10.5	6.5	0.4	0.1	—	56.9	81.0
Other Asia Pacific	5.4	†	†	1.9	4.1	†	1.2	2.0	19.5	29.4	4.6	24.4	38.5	—	131.0
Total imports	483.5	38.4	28.9	103.1	622.8	6.3	51.9	68.4	50.6	378.2	203.3	223.7	146.1	370.5	2775.5

Thousand barrels daily															
From	US	Canada	Mexico	S. & Cent. America	Europe	Former Soviet Union	Middle East	Africa	Australasia	China	India	Japan	Singapore	Other Asia Pacific	Total
US	—	298	517	1100	674	2	75	136	7	148	40	118	123	32	3271
Canada	3125	—	†	22	74	†	2	†	†	34	2	13	1	3	3276
Mexico	919	28	—	40	191	—	†	—	—	26	97	—	33	†	1335
S. & Cent. America	1690	12	6	—	368	2	2	6	1	620	632	47	279	46	3710
Europe	496	160	73	193	—	104	258	598	2	27	13	28	171	279	2400
Former Soviet Union	519	5	—	15	5989	—	273	36	38	1294	42	290	160	386	9048
Middle East	2011	127	6	133	2074	9	—	334	155	3262	2509	3310	1076	4596	19603
North Africa	185	63	—	93	1497	3	25	—	21	131	96	25	5	74	2217
West Africa	635	84	—	287	1466	†	—	—	118	1074	539	70	17	171	4462
East & Southern Africa	1	†	†	2	3	†	1	—	†	118	7	11	7	3	152
Australasia	2	—	—	11	2	†	†	1	—	141	3	40	32	137	368
China	7	1	—	94	13	10	22	23	1	—	12	9	89	390	672
India	60	2	—	93	173	†	364	177	†	13	—	64	149	141	1236
Japan	17	†	—	5	5	†	1	2	74	36	1	—	70	112	322
Singapore	15	1	—	7	25	†	29	60	220	136	8	2	—	1189	1694
Other Asia Pacific	111	†	1	39	85	1	24	42	397	612	93	502	803	—	2710
Total imports	9792	781	603	2134	12637	131	1076	1416	1033	7673	4094	4530	3017	7559	56475

†Less than 0.05.

‡Less than 0.5.

Trade flows worldwide (million tonnes)



	Million tonnes				Thousand barrels daily			
	Crude imports	Product imports	Crude exports	Product exports	Crude imports	Product imports	Crude exports	Product exports
US	384.4	99.2	5.6	151.1	7719	2074	112	3158
Canada	27.6	10.8	132.2	29.7	554	226	2655	621
Mexico	†	28.9	60.3	5.9	‡	603	1212	123
S. & Cent. America	25.1	78.0	151.3	32.1	503	1631	3039	671
Europe	463.8	159.0	18.9	96.6	9313	3324	380	2020
Former Soviet Union	0.2	6.0	300.1	144.5	4	126	6027	3021
Middle East	10.8	41.1	855.3	116.1	216	860	17176	2427
North Africa	2.7	19.1	85.2	24.2	54	399	1712	505
West Africa	†	13.2	214.9	7.0	‡	276	4316	146
East & Southern Africa	13.4	20.0	6.8	0.7	269	417	137	15
Australasia	28.4	22.2	11.5	6.5	569	464	231	136
China	282.6	95.6	0.9	31.3	5675	1998	19	653
India	190.5	12.9	†	59.1	3825	269	‡	1236
Japan	178.2	45.5	0.6	14.8	3579	951	13	309
Singapore	44.4	101.7	0.1	80.9	892	2125	2	1692
Other Asia Pacific	226.4	144.1	34.4	96.6	4547	3012	690	2020
Total World	1878.3	897.2	1878.3	897.2	37720	18755	37720	18755

‡Less than 0.5.

Proved reserves

	At end 1993 Trillion cubic metres	At end 2003 Trillion cubic metres	At end 2012 Trillion cubic metres	At end 2013			
				Trillion cubic feet	Trillion cubic metres	Share of total	R/P ratio
US	4.6	5.4	8.7	330.0	9.3	5.0%	13.6
Canada	2.2	1.6	2.0	71.4	2.0	1.1%	13.1
Mexico	2.0	0.4	0.4	12.3	0.3	0.2%	6.1
Total North America	8.8	7.4	11.1	413.7	11.7	6.3%	13.0
Argentina	0.5	0.6	0.3	11.1	0.3	0.2%	8.9
Bolivia	0.1	0.8	0.3	11.2	0.3	0.2%	15.2
Brazil	0.1	0.2	0.5	15.9	0.5	0.2%	21.2
Colombia	0.2	0.1	0.2	5.7	0.2	0.1%	12.8
Peru	0.3	0.2	0.4	15.4	0.4	0.2%	35.7
Trinidad & Tobago	0.2	0.5	0.4	12.4	0.4	0.2%	8.2
Venezuela	3.7	4.2	5.6	196.8	5.6	3.0%	*
Other S. & Cent. America	0.2	0.1	0.1	2.2	0.1	♦	24.9
Total S. & Cent. America	5.4	6.8	7.7	270.9	7.7	4.1%	43.5
Azerbaijan	n/a	0.9	0.9	31.0	0.9	0.5%	54.3
Denmark	0.1	0.1	†	1.2	†	♦	7.0
Germany	0.2	0.2	0.1	1.7	†	♦	5.9
Italy	0.3	0.1	0.1	1.8	0.1	♦	7.3
Kazakhstan	n/a	1.3	1.5	53.9	1.5	0.8%	82.5
Netherlands	1.7	1.4	0.9	30.1	0.9	0.5%	12.4
Norway	1.4	2.5	2.1	72.4	2.0	1.1%	18.8
Poland	0.2	0.1	0.1	4.1	0.1	0.1%	27.5
Romania	0.4	0.3	0.1	4.1	0.1	0.1%	10.6
Russian Federation	n/a	30.4	31.0	1103.6	31.3	16.8%	51.7
Turkmenistan	n/a	2.3	17.5	617.3	17.5	9.4%	*
Ukraine	n/a	0.7	0.6	22.7	0.6	0.3%	33.4
United Kingdom	0.6	0.9	0.2	8.6	0.2	0.1%	6.7
Uzbekistan	n/a	1.2	1.1	38.3	1.1	0.6%	19.7
Other Europe & Eurasia	35.6	0.4	0.3	8.8	0.2	0.1%	33.4
Total Europe & Eurasia	40.5	42.7	56.5	1999.5	56.6	30.5%	54.8
Bahrain	0.2	0.1	0.2	6.7	0.2	0.1%	12.1
Iran	20.7	27.6	33.6	1192.9	33.8	18.2%	*
Iraq	3.1	3.2	3.6	126.7	3.6	1.9%	*
Kuwait	1.5	1.6	1.8	63.0	1.8	1.0%	*
Oman	0.2	1.0	0.9	33.5	0.9	0.5%	30.7
Qatar	7.1	25.3	24.9	871.5	24.7	13.3%	*
Saudi Arabia	5.2	6.8	8.2	290.8	8.2	4.4%	79.9
Syria	0.2	0.3	0.3	10.1	0.3	0.2%	63.9
United Arab Emirates	5.8	6.0	6.1	215.1	6.1	3.3%	*
Yemen	0.4	0.5	0.5	16.9	0.5	0.3%	46.3
Other Middle East	†	0.1	0.2	8.1	0.2	0.1%	35.3
Total Middle East	44.4	72.4	80.3	2835.4	80.3	43.2%	*
Algeria	3.7	4.5	4.5	159.1	4.5	2.4%	57.3
Egypt	0.6	1.7	2.0	65.2	1.8	1.0%	32.9
Libya	1.3	1.5	1.5	54.7	1.5	0.8%	*
Nigeria	3.7	5.1	5.1	179.4	5.1	2.7%	*
Other Africa	0.7	1.0	1.2	43.3	1.2	0.7%	56.9
Total Africa	10.0	13.9	14.4	501.7	14.2	7.6%	69.5
Australia	1.0	2.4	3.8	129.9	3.7	2.0%	85.8
Bangladesh	0.3	0.4	0.3	9.7	0.3	0.1%	12.6
Brunei	0.4	0.3	0.3	10.2	0.3	0.2%	23.6
China	1.7	1.3	3.3	115.6	3.3	1.8%	28.0
India	0.7	0.9	1.3	47.8	1.4	0.7%	40.2
Indonesia	1.8	2.6	2.9	103.3	2.9	1.6%	41.6
Malaysia	1.8	2.5	1.1	38.5	1.1	0.6%	15.8
Myanmar	0.3	0.4	0.3	10.0	0.3	0.2%	21.6
Pakistan	0.7	0.8	0.6	22.7	0.6	0.3%	16.7
Papua New Guinea	†	†	0.2	5.5	0.2	0.1%	*
Thailand	0.2	0.4	0.3	10.1	0.3	0.2%	6.8
Vietnam	0.1	0.2	0.6	21.8	0.6	0.3%	63.3
Other Asia Pacific	0.3	0.5	0.3	11.5	0.3	0.2%	17.5
Total Asia Pacific	9.3	12.7	15.2	536.6	15.2	8.2%	31.1
Total World	118.4	155.7	185.3	6557.8	185.7	100.0%	55.1
of which: OECD	14.6	15.3	18.7	678.3	19.2	10.3%	16.0
Non-OECD	103.8	140.4	166.6	5879.5	166.5	89.7%	76.7
European Union	3.7	3.2	1.6	55.6	1.6	0.8%	10.7
Former Soviet Union	35.3	36.9	52.8	1869.5	52.9	28.5%	68.2

*More than 100 years.

†Less than 0.05.

♦Less than 0.05%.

n/a not available.

Notes: 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.

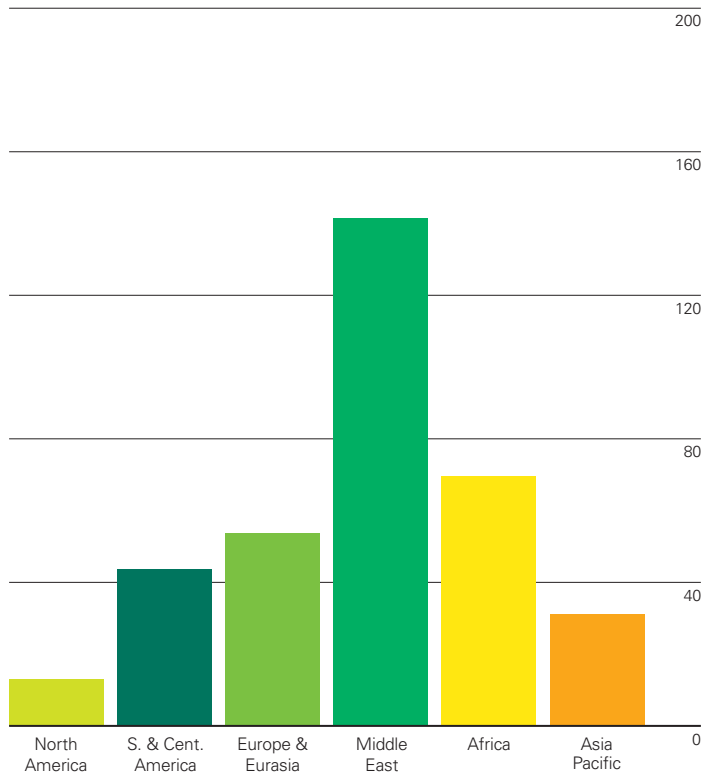
Reserves-to-production (R/P) ratio – If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

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.

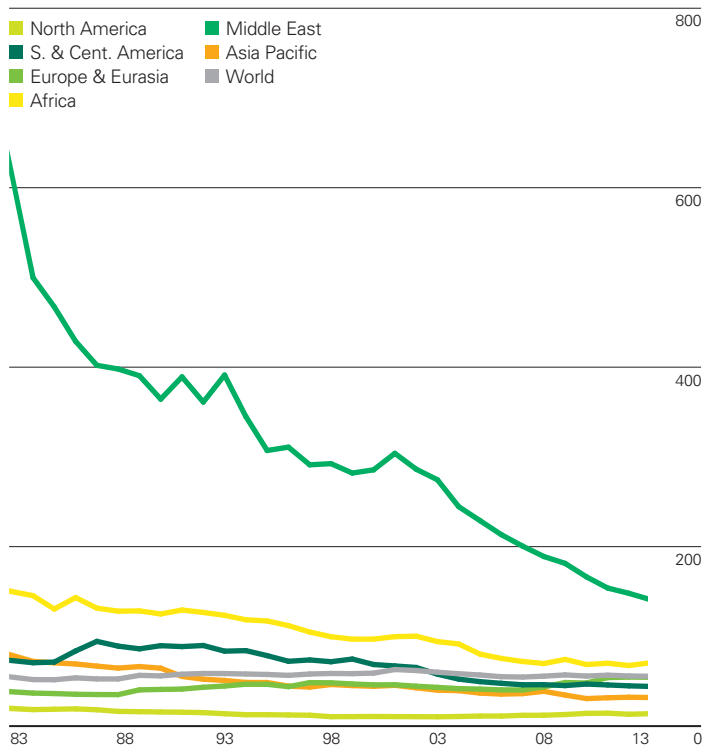
Reserves-to-production (R/P) ratios

Years

2013 by region



History

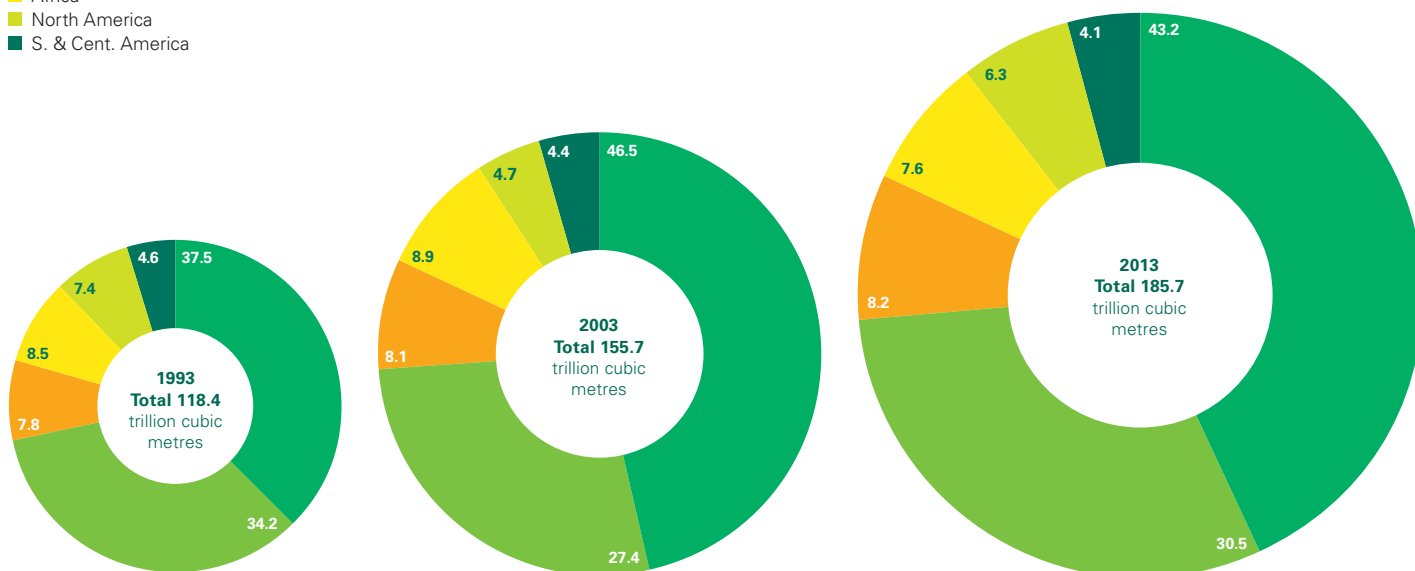


World proved natural gas reserves at end-2013 stood at 185.7 trillion cubic metres (tcm), sufficient to meet 55.1 years of global production. Proved reserves grew by 0.2% relative to end-2012 data. An increase in the US (+7.1%) accounted for all of the net growth in global proved reserves in 2013. Iran (33.8 tcm) and Russia (31.3 tcm) hold the largest proved reserves.

Distribution of proved reserves in 1993, 2003 and 2013

Percentage

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



Production*

Billion cubic metres	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	540.8	526.4	511.1	524.0	545.6	570.8	584.0	603.6	648.5	681.2	687.6	1.3%	20.6%
Canada	184.7	183.7	187.1	188.4	182.7	176.6	164.0	159.9	159.7	156.0	154.8	-0.5%	4.6%
Mexico	41.7	43.4	52.3	57.3	53.7	53.4	59.4	57.6	58.3	56.9	56.6	-0.2%	1.7%
Total North America	767.2	753.6	750.6	769.7	781.9	800.8	807.4	821.1	866.5	894.2	899.1	0.9%	26.9%
Argentina	41.0	44.9	45.6	46.1	44.8	44.1	41.4	40.1	38.8	37.7	35.5	-5.6%	1.1%
Bolivia	6.4	9.8	11.9	12.9	13.8	14.3	12.3	14.2	16.0	18.3	20.8	14.4%	0.6%
Brazil	10.0	11.0	10.9	11.2	11.2	14.0	11.9	14.6	16.7	19.3	21.3	11.0%	0.6%
Colombia	6.1	6.4	6.7	7.0	7.5	9.1	10.5	11.3	11.0	12.0	12.6	5.8%	0.4%
Peru	0.5	0.9	1.5	1.8	2.7	3.4	3.5	7.2	11.3	11.9	12.2	3.1%	0.4%
Trinidad & Tobago	27.0	30.2	33.0	40.1	42.2	42.0	43.6	44.8	42.9	42.7	42.8	0.5%	1.3%
Venezuela	25.2	28.4	27.4	31.5	36.1	32.8	31.0	27.4	27.6	29.5	28.4	-3.2%	0.8%
Other S. & Cent. America	3.1	3.1	3.4	3.8	3.9	3.7	4.2	3.6	3.1	2.9	2.5	-13.4%	0.1%
Total S. & Cent. America	119.4	134.7	140.5	154.3	162.3	163.2	158.5	163.2	167.4	174.3	176.4	1.5%	5.2%
Azerbaijan	4.6	4.5	5.2	6.1	9.8	14.8	14.8	15.1	14.8	15.6	16.2	3.8%	0.5%
Denmark	8.0	9.4	10.4	10.4	9.2	10.1	8.4	8.2	6.6	5.8	4.8	-15.6%	0.1%
Germany	17.7	16.4	15.8	15.6	14.3	13.0	12.2	10.6	10.0	9.0	8.2	-8.8%	0.2%
Italy	12.7	11.9	11.1	10.1	8.9	8.5	7.3	7.7	7.7	7.9	7.1	-9.9%	0.2%
Kazakhstan	11.1	12.3	12.7	13.0	15.1	16.9	16.4	15.9	17.5	18.4	18.5	0.8%	0.5%
Netherlands	58.1	68.5	62.5	61.6	60.5	66.6	62.7	70.5	64.2	63.9	68.7	7.9%	2.0%
Norway	73.1	79.2	85.8	88.7	90.3	100.1	104.4	107.3	101.3	114.7	108.7	-5.0%	3.2%
Poland	4.0	4.4	4.3	4.3	4.3	4.1	4.1	4.1	4.3	4.3	4.2	-1.4%	0.1%
Romania	13.0	12.8	12.4	11.9	11.5	11.4	11.3	10.9	10.9	10.9	11.0	0.6%	0.3%
Russian Federation	561.6	573.3	580.1	595.2	592.1	601.8	527.7	588.9	607.0	592.3	604.8	2.4%	17.9%
Turkmenistan	53.5	52.8	57.0	60.4	65.4	66.1	36.4	42.4	59.5	62.3	62.3	0.4%	1.8%
Ukraine	17.6	18.4	18.6	18.7	18.7	19.0	19.3	18.5	18.7	18.6	19.3	4.0%	0.6%
United Kingdom	102.9	96.4	88.2	80.0	72.1	69.6	59.7	57.1	45.2	38.9	36.5	-5.9%	1.1%
Uzbekistan	52.0	54.2	54.0	54.5	59.1	62.2	60.0	59.6	57.0	56.9	55.2	-2.8%	1.6%
Other Europe & Eurasia	10.6	11.0	10.7	10.5	10.7	10.2	10.2	10.1	9.5	8.7	7.5	-13.8%	0.2%
Total Europe & Eurasia	1000.5	1025.3	1028.8	1040.9	1042.1	1074.4	954.8	1026.9	1034.2	1028.1	1032.9	0.7%	30.6%
Bahrain	9.6	9.8	10.7	11.3	11.8	12.7	12.8	13.1	13.3	13.7	15.8	15.2%	0.5%
Iran	82.7	96.4	102.3	111.5	125.0	132.4	144.2	152.4	159.9	165.6	166.6	0.8%	4.9%
Iraq	1.6	1.0	1.5	1.5	1.5	1.9	1.2	1.3	0.9	0.7	0.6	-4.4%	•
Kuwait	11.0	11.9	12.2	12.5	12.1	12.8	11.5	11.7	13.5	15.5	15.6	0.7%	0.5%
Oman	16.5	18.5	19.8	23.7	24.0	24.1	24.8	27.1	26.5	30.0	30.9	3.3%	0.9%
Qatar	31.4	39.2	45.8	50.7	63.2	77.0	89.3	116.7	145.3	150.8	158.5	5.4%	4.7%
Saudi Arabia	60.1	65.7	71.2	73.5	74.4	80.4	78.5	87.7	92.3	99.3	103.0	4.0%	3.0%
Syria	6.2	6.4	5.5	5.6	5.6	5.3	5.6	8.0	7.1	5.3	4.5	-15.2%	0.1%
United Arab Emirates	44.8	46.3	47.8	49.0	50.3	50.2	48.8	51.3	52.3	54.3	56.0	3.3%	1.7%
Yemen	—	—	—	—	—	—	0.8	6.2	9.4	7.6	10.3	36.5%	0.3%
Other Middle East	0.3	1.5	1.9	2.6	3.0	3.6	3.0	3.4	4.4	2.6	6.5	148.5%	0.2%
Total Middle East	264.1	296.6	318.7	341.9	370.9	400.3	420.3	478.9	524.8	545.5	568.2	4.5%	16.8%
Algeria	82.8	82.0	88.2	84.5	84.8	85.8	79.6	80.4	82.7	81.5	78.6	-3.3%	2.3%
Egypt	30.1	33.0	42.5	54.7	55.7	59.0	62.7	61.3	61.4	60.9	56.1	-7.7%	1.7%
Libya	5.5	8.1	11.3	13.2	15.3	15.9	15.9	16.8	7.9	12.2	12.0	-1.5%	0.4%
Nigeria	22.6	24.4	25.1	29.6	36.9	36.2	26.0	37.3	40.6	43.3	36.1	-16.4%	1.1%
Other Africa	7.2	8.9	9.9	10.4	12.3	15.8	16.3	18.4	18.6	18.5	21.6	17.2%	0.6%
Total Africa	148.2	156.4	177.0	192.4	205.0	212.6	200.4	214.3	211.2	216.3	204.3	-5.3%	6.0%
Australia	33.2	35.3	37.1	38.9	40.0	38.3	42.3	45.2	44.9	43.4	42.9	-0.9%	1.3%
Bangladesh	12.3	12.8	13.8	15.1	15.9	17.0	18.5	19.9	20.1	21.1	21.9	4.2%	0.6%
Brunei	12.4	12.2	12.0	12.6	12.3	12.2	11.4	12.3	12.8	12.6	12.2	-2.6%	0.4%
China	35.0	41.5	49.3	58.6	69.2	80.3	85.3	94.8	102.7	107.2	117.1	9.5%	3.5%
India	29.5	29.2	29.6	29.3	30.1	30.5	39.2	50.8	46.1	40.3	33.7	-16.3%	1.0%
Indonesia	73.2	70.3	71.2	70.3	67.6	69.7	71.9	82.0	75.9	71.1	70.4	-0.7%	2.1%
Malaysia	51.8	53.9	61.1	63.3	64.6	64.7	63.4	65.3	65.3	66.5	69.1	4.2%	2.0%
Myanmar	9.6	10.2	12.2	12.6	13.5	12.4	11.6	12.4	12.8	12.7	13.1	3.1%	0.4%
Pakistan	30.4	34.5	35.5	36.1	36.8	37.5	38.4	39.6	39.2	41.2	38.6	-6.2%	1.1%
Thailand	21.5	22.4	23.7	24.3	26.0	28.8	30.9	36.3	37.0	41.4	41.8	1.2%	1.2%
Vietnam	2.4	4.2	6.4	7.0	7.1	7.5	8.0	9.4	8.5	9.4	9.8	4.5%	0.3%
Other Asia Pacific	10.6	10.0	11.0	14.6	17.4	18.3	18.6	18.2	18.4	18.2	18.7	3.3%	0.6%
Total Asia Pacific	322.0	336.4	363.0	382.6	400.5	417.1	439.6	486.4	483.5	484.9	489.0	1.1%	14.5%
Total World	2621.3	2702.8	2778.6	2881.8	2962.7	3068.5	2981.0	3190.8	3287.7	3343.3	3369.9	1.1%	100.0%
of which: OECD	1093.9	1092.8	1084.3	1097.4	1101.2	1131.0	1128.7	1151.9	1170.0	1199.3	1200.0	0.4%	35.8%
Non-OECD	1527.4	1610.0	1694.3	1784.4	1861.5	1937.5	1852.3	2038.9	2117.7	2144.0	2169.8	1.5%	64.2%
European Union	225.8	229.5	214.1	203.0	190.2	192.1	174.7	178.0	157.0	147.9	146.8	-0.5%	4.3%
Former Soviet Union	700.7	715.8	727.9	748.2	760.5	781.0	674.8	740.7	774.8	764.3	776.5	1.9%	23.0%

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

Source: Includes data from Cedigaz.

•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 tonnes of oil equivalent using an average conversion factor, they do not necessarily equate with gas volumes expressed in specific national terms.

Annual changes and shares of total are calculated using million tonnes of oil equivalent figures.

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

Growth rates are adjusted for leap years.

Consumption*

Billion cubic metres	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	630.8	634.4	623.4	614.4	654.2	659.1	648.7	682.1	693.1	723.0	737.2	2.4%	22.2%
Canada	97.7	95.1	97.8	96.9	96.2	96.1	94.9	95.0	100.9	100.3	103.5	3.5%	3.1%
Mexico	51.4	54.3	61.0	66.6	63.5	66.3	72.5	72.5	76.6	79.6	82.7	4.2%	2.5%
Total North America	779.9	783.8	782.2	778.0	813.9	821.5	816.1	849.6	870.6	902.9	923.5	2.7%	27.8%
Argentina	34.6	37.9	40.4	41.8	43.9	44.4	43.2	43.3	45.7	47.3	48.0	1.7%	1.4%
Brazil	15.8	18.8	19.6	20.6	21.2	24.9	20.1	26.8	26.7	31.7	37.6	19.2%	1.1%
Chile	8.0	8.7	8.4	7.8	4.6	2.7	3.1	5.3	5.4	5.4	4.3	-19.4%	0.1%
Colombia	6.0	6.3	6.7	7.0	7.4	7.6	8.7	9.1	8.8	9.8	10.7	9.1%	0.3%
Ecuador	0.3	0.3	0.3	0.4	0.5	0.4	0.5	0.6	0.5	0.7	0.6	-8.7%	•
Peru	0.5	0.9	1.5	1.8	2.7	3.4	3.5	5.4	6.1	6.8	6.6	-2.7%	0.2%
Trinidad & Tobago	13.4	14.8	16.3	21.2	21.9	21.3	22.2	23.2	23.1	22.2	22.4	1.1%	0.7%
Venezuela	25.2	28.4	27.4	31.5	36.2	34.3	32.3	29.0	29.7	31.4	30.5	-2.5%	0.9%
Other S. & Cent. America	3.1	3.0	3.3	3.9	4.5	4.7	5.0	5.4	5.8	7.1	7.8	11.4%	0.2%
Total S. & Cent. America	106.8	119.0	123.9	136.0	142.8	143.7	138.6	148.0	151.9	162.3	168.6	4.2%	5.0%
Austria	9.4	9.5	10.0	9.4	8.9	9.5	9.3	10.1	9.5	9.0	8.5	-5.9%	0.3%
Azerbaijan	7.7	8.3	8.6	9.1	8.0	9.2	7.8	7.4	8.1	8.5	8.6	1.5%	0.3%
Belarus	15.8	17.9	18.4	19.0	18.8	19.2	16.1	19.7	18.3	18.3	18.3	0.3%	0.5%
Belgium	16.0	16.2	16.4	16.7	16.6	16.5	16.8	18.8	16.6	16.9	16.8	-0.4%	0.5%
Bulgaria	2.8	2.8	3.1	3.2	3.2	3.2	2.3	2.6	2.9	2.7	2.6	-3.1%	0.1%
Czech Republic	8.7	9.1	9.5	9.3	8.7	8.7	8.2	9.3	8.4	8.2	8.4	3.2%	0.3%
Denmark	5.2	5.2	5.0	5.1	4.6	4.6	4.4	5.0	4.2	3.9	3.7	-4.1%	0.1%
Finland	4.5	4.3	4.0	4.2	3.9	4.0	3.6	3.9	3.5	3.1	2.8	-6.7%	0.1%
France	43.2	45.1	44.8	43.7	42.4	43.8	41.8	46.9	40.5	42.2	42.8	1.7%	1.3%
Germany	85.5	85.9	86.2	87.2	82.9	81.2	78.0	83.3	74.5	78.4	83.6	7.0%	2.5%
Greece	2.4	2.7	2.7	3.1	3.7	3.9	3.3	3.6	4.4	4.1	3.6	-11.5%	0.1%
Hungary	13.2	13.1	12.2	10.8	13.1	14.0	12.7	12.6	10.3	10.2	8.6	-16.2%	0.3%
Republic of Ireland	4.1	4.1	3.9	4.4	4.8	5.0	4.7	5.2	4.6	4.5	4.5	-0.1%	0.1%
Italy	71.2	73.9	79.1	77.4	77.8	77.8	71.5	76.2	71.4	68.7	64.2	-6.2%	1.9%
Kazakhstan	8.8	6.7	8.5	9.0	9.3	8.9	8.6	9.0	9.6	10.4	11.4	9.6%	0.3%
Lithuania	3.1	3.1	3.3	3.2	3.6	3.2	2.7	3.1	3.4	3.3	2.7	-18.3%	0.1%
Netherlands	40.0	40.9	39.3	38.1	37.0	38.6	38.9	43.6	38.1	36.4	37.1	2.0%	1.1%
Norway	4.3	4.6	4.5	4.4	4.3	4.3	4.1	4.1	4.3	4.4	4.4	1.4%	0.1%
Poland	12.5	13.2	13.6	13.7	13.8	14.9	14.4	15.5	15.7	16.6	16.7	1.1%	0.5%
Portugal	3.0	3.7	4.2	4.1	4.3	4.7	4.7	5.1	5.2	4.5	4.1	-9.6%	0.1%
Romania	18.3	17.5	17.6	18.1	16.1	15.9	13.3	13.6	13.9	13.5	12.5	-7.5%	0.4%
Russian Federation	379.5	389.3	394.1	415.0	422.0	416.0	389.7	414.2	424.6	416.3	413.5	-0.4%	12.3%
Slovakia	6.3	6.1	6.6	6.0	5.7	5.7	4.9	5.6	5.2	4.9	5.4	11.5%	0.2%
Spain	23.6	27.4	32.4	33.7	35.1	38.6	34.6	34.6	32.2	31.3	29.0	-7.2%	0.9%
Sweden	0.8	0.8	0.8	0.9	1.0	0.9	1.1	1.6	1.3	1.1	1.1	-1.8%	•
Switzerland	2.9	3.0	3.1	3.0	2.9	3.1	3.0	3.3	3.0	3.3	3.6	12.4%	0.1%
Turkey	20.9	22.1	26.9	30.5	36.1	37.5	35.7	39.0	44.7	45.3	45.6	1.1%	1.4%
Turkmenistan	14.2	15.0	16.1	18.4	21.3	20.5	19.9	22.6	23.4	26.4	22.3	-15.5%	0.7%
Ukraine	69.0	68.5	69.0	67.0	63.2	60.0	46.8	52.2	53.7	49.5	45.0	-8.9%	1.3%
United Kingdom	95.3	97.4	94.9	90.0	91.0	93.4	87.0	94.2	78.1	73.7	73.1	-0.6%	2.2%
Uzbekistan	45.8	43.4	42.7	41.9	45.9	48.7	43.5	45.5	49.1	46.9	45.2	-3.3%	1.3%
Other Europe & Eurasia	15.3	16.9	17.1	17.8	18.2	17.6	14.7	16.0	16.6	16.1	14.9	-6.9%	0.4%
Total Europe & Eurasia	1053.6	1077.6	1098.2	1117.4	1128.0	1133.5	1048.2	1127.4	1099.3	1082.6	1064.7	-1.4%	31.7%
Iran	85.0	98.7	102.8	112.0	125.5	134.8	143.2	152.9	162.4	161.5	162.2	0.7%	4.8%
Israel	†	1.2	1.7	2.3	2.8	4.1	4.5	5.3	5.0	2.6	6.9	168.7%	0.2%
Kuwait	11.0	11.9	12.2	12.5	12.1	12.8	12.4	14.5	17.0	18.2	17.8	-1.9%	0.5%
Qatar	12.2	15.0	18.7	19.6	19.3	19.3	20.0	20.4	23.1	23.5	25.9	10.3%	0.8%
Saudi Arabia	60.1	65.7	71.2	73.5	74.4	80.4	78.5	87.7	92.3	99.3	103.0	4.0%	3.1%
United Arab Emirates	37.9	40.2	42.1	43.4	49.2	59.5	59.1	60.8	62.5	65.6	68.3	4.5%	2.0%
Other Middle East	25.0	26.5	28.4	31.5	32.4	36.5	38.9	44.2	40.6	42.3	44.3	5.1%	1.3%
Total Middle East	231.1	259.3	277.0	294.8	315.7	347.4	356.5	385.8	402.8	412.9	428.3	4.0%	12.8%
Algeria	21.4	22.0	23.2	23.7	24.3	25.4	27.2	26.3	27.8	31.0	32.3	4.3%	1.0%
Egypt	29.7	31.7	31.6	36.5	38.4	40.8	42.5	45.1	49.6	52.6	51.4	-2.0%	1.5%
South Africa	1.0	2.1	3.1	3.5	3.5	3.7	3.4	3.9	3.9	4.0	3.9	-1.0%	0.1%
Other Africa	22.7	25.4	27.7	25.6	30.1	31.4	26.9	32.5	33.4	35.4	35.7	1.3%	1.1%
Total Africa	74.8	81.2	85.6	89.3	96.2	101.3	100.1	107.9	114.8	123.0	123.3	0.6%	3.7%
Australia	22.4	22.8	22.2	24.4	26.6	25.5	25.2	25.4	25.2	18.6	17.9	-3.5%	0.5%
Bangladesh	12.3	12.8	13.8	15.1	15.9	17.0	18.5	19.9	20.1	21.1	21.9	4.2%	0.7%
China	33.9	39.7	46.8	56.1	70.5	81.3	89.5	106.9	130.5	146.3	161.6	10.8%	4.8%
China Hong Kong SAR	1.8	2.7	2.7	2.9	2.7	3.2	3.1	3.8	3.1	2.8	2.6	-5.5%	0.1%
India	29.5	31.9	35.7	37.3	40.1	41.3	51.9	63.0	61.4	58.8	51.4	-12.2%	1.5%
Indonesia	35.0	32.2	33.2	33.2	31.3	33.3	37.4	40.3	37.3	35.8	38.4	7.6%	1.1%
Japan	79.8	77.0	78.6	83.7	90.2	93.7	87.4	94.5	105.5	116.9	116.9	0.2%	3.5%
Malaysia	27.3	24.7	31.4	33.7	33.4	33.8	33.0	35.1	31.8	34.7	34.0	-1.8%	1.0%
New Zealand	4.3	3.9	3.6	3.7	4.0	3.8	4.0	4.3	3.9	4.2	4.4	5.6%	0.1%
Pakistan	30.4	34.5	35.5	36.1	36.8	37.5	38.4	39.6	39.2	41.2	38.6	-6.2%	1.1%
Philippines	2.5	2.4	3.2	3.0	3.6	3.7	3.8	3.5	3.9	3.7	3.4	-8.2%	0.1%
Singapore	4.0	5.0	6.8	7.1	8.6	8.2	8.1	8.4	8.8	9.4	10.5	12.3%	0.3%
South Korea	24.2	28.4	30.4	32.0	34.7	35.7	33.9	43.0	46.3	50.2	52.5	4.9%	1.6%
Taiwan	7.7	9.3	9.4	10.1	10.7	11.6	11.4	14.1	15.5	16.3	16.3	0.6%	0.5%
Thailand	28.6	29.9	32.5	33.3	35.4	37.4	39.2	45.1	46.6	51.2	52.2	2.2%	1.6%
Vietnam	2.4	4.2	6.4	7.0	7.1	7.5	8.0	9.4	8.5	9.4	9.8	4.5%	0.3%
Other Asia Pacific	4.2	4.5	5.2	5.5	6.0	5.7	5.2	5.8	6.2	6.6	6.7	1.7%	0.2%
Total Asia Pacific	350.3	365.7	397.3	424.2	457.6	480.3	497.9	562.2	593.5	627.1	639.2	2.2%	19.0%
Total World	2596.6	2686.7	2764.3	2839.6	2954.4	3027.7	2957.4	3180.8	3233.0	3310.8	3347.6	1.4%	100.0%
of which: OECD	1394.8	1417.1	1430.0	1430.9	1478.5	1501.2	1459.9	1551.8	1539.9	1573.9	1596.5	1.8%	47.8%
Non-OECD	1201.8	1269.6	1334.3	1408.7	1475.8	1526.5	1497.5	1629.0	1693.0	1736.8	1751.1	1.1%	52.2%
European Union	476.7	489.7	497.1	490.1	486.3	496.3	465.4	502.2	451.0	444.1	438.1	-1.1%	13.1%
Former Soviet Union	551.7	560.8	569.8	592.3	601.7	595.0	542.6	581.5	598.9	588.4	575.5	-1.9%	17.1%

*Excludes natural gas converted to liquid fuels but includes derivatives of coal as well as natural gas consumed in Gas-to-Liquids transformation.

Source: Includes data from Cedigaz.

†Less than 0.05.

•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 tonnes of oil equivalent using an average conversion factor, they do not necessarily equate with gas volumes expressed in specific national terms.
The difference between these world consumption figures and the world production statistics is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.

Annual changes and shares of total are calculated using million tonnes of oil equivalent figures.

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

Growth rates are adjusted for leap years.

Production*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	494.8	480.7	467.6	479.3	498.6	521.7	532.7	549.5	589.8	620.8	627.2	1.3%	20.6%
Canada	166.2	165.3	168.4	169.6	164.4	158.9	147.6	143.9	143.7	140.4	139.3	-0.5%	4.6%
Mexico	37.5	39.1	47.1	51.6	48.3	48.0	53.4	51.8	52.4	51.2	51.0	-0.2%	1.7%
Total North America	698.5	685.1	683.1	700.5	711.3	728.6	733.7	745.2	786.0	812.4	817.5	0.9%	26.9%
Argentina	36.9	40.4	41.1	41.5	40.3	39.7	37.3	36.1	34.9	34.0	32.0	-5.6%	1.1%
Bolivia	5.7	8.8	10.7	11.6	12.4	12.9	11.1	12.8	14.4	16.5	18.8	14.4%	0.6%
Brazil	9.0	9.9	9.8	10.0	10.1	12.6	10.7	13.1	15.1	17.3	19.2	11.0%	0.6%
Colombia	5.5	5.7	6.0	6.3	6.8	8.2	9.5	10.1	9.9	10.8	11.4	5.8%	0.4%
Peru	0.5	0.8	1.4	1.6	2.4	3.1	3.1	6.5	10.2	10.7	11.0	3.1%	0.4%
Trinidad & Tobago	24.3	27.2	29.7	36.1	38.0	37.8	39.3	40.3	38.6	38.5	38.6	0.5%	1.3%
Venezuela	22.7	25.6	24.7	28.3	32.5	29.5	27.9	24.7	24.8	26.5	25.6	-3.2%	0.8%
Other S. & Cent. America	2.8	2.8	3.1	3.4	3.5	3.3	3.8	3.2	2.8	2.6	2.3	-13.4%	0.1%
Total S. & Cent. America	107.4	121.2	126.5	138.9	146.1	146.9	142.7	146.9	150.7	156.8	158.7	1.5%	5.2%
Azerbaijan	4.2	4.1	4.7	5.5	8.8	13.3	13.3	13.6	13.3	14.0	14.5	3.8%	0.5%
Denmark	7.2	8.5	9.4	9.4	8.3	9.1	7.6	7.4	5.9	5.2	4.4	-15.6%	0.1%
Germany	15.9	14.7	14.2	14.1	12.9	11.7	11.0	9.6	9.0	8.1	7.4	-8.8%	0.2%
Italy	11.5	10.7	10.0	9.1	8.0	7.6	6.6	6.9	7.0	7.1	6.4	-9.9%	0.2%
Kazakhstan	10.0	11.1	11.4	11.7	13.6	15.2	14.8	14.3	15.7	16.5	16.6	0.8%	0.5%
Netherlands	52.2	61.6	56.3	55.4	54.5	60.0	56.4	63.5	57.8	57.5	61.8	7.9%	2.0%
Norway	65.8	71.3	77.3	79.8	81.3	90.1	94.0	96.5	91.1	103.3	97.9	-5.0%	3.2%
Poland	3.6	3.9	3.9	3.9	3.9	3.7	3.7	3.7	3.8	3.8	3.8	-1.4%	0.1%
Romania	11.7	11.5	11.2	10.7	10.4	10.3	10.1	9.8	9.8	9.8	9.9	0.6%	0.3%
Russian Federation	505.4	516.0	522.1	535.7	532.9	541.6	474.9	530.0	546.3	533.1	544.3	2.4%	17.9%
Turkmenistan	48.1	47.5	51.3	54.3	58.9	59.5	32.7	38.1	53.6	56.1	56.1	0.4%	1.8%
Ukraine	15.8	16.5	16.7	16.9	16.9	17.1	17.3	16.7	16.8	16.7	17.3	4.0%	0.6%
United Kingdom	92.6	86.7	79.4	72.0	64.9	62.7	53.7	51.4	40.7	35.0	32.8	-5.9%	1.1%
Uzbekistan	46.8	48.8	48.6	49.0	53.2	56.0	54.0	53.7	51.3	51.2	49.7	-2.8%	1.6%
Other Europe & Eurasia	9.5	9.9	9.6	9.4	9.6	9.2	9.1	9.1	8.5	7.8	6.7	-13.8%	0.2%
Total Europe & Eurasia	900.5	922.8	926.0	936.8	937.9	967.0	859.3	924.2	930.8	925.3	929.6	0.7%	30.6%
Bahrain	8.7	8.8	9.6	10.2	10.6	11.4	11.5	11.8	12.0	12.4	14.2	15.2%	0.5%
Iran	74.4	86.8	92.1	100.3	112.5	119.2	129.8	137.1	143.9	149.1	149.9	0.8%	4.9%
Iraq	1.4	0.9	1.3	1.3	1.3	1.7	1.0	1.2	0.8	0.6	0.6	-4.4%	•
Kuwait	9.9	10.7	11.0	11.3	10.9	11.5	10.3	10.6	12.2	14.0	14.0	0.7%	0.5%
Oman	14.9	16.7	17.8	21.3	21.6	21.7	22.3	24.4	23.9	27.0	27.8	3.3%	0.9%
Qatar	28.3	35.3	41.2	45.6	56.9	69.3	80.4	105.0	130.7	135.7	142.7	5.4%	4.7%
Saudi Arabia	54.1	59.1	64.1	66.2	67.0	72.4	70.6	78.9	83.0	89.4	92.7	4.0%	3.0%
Syria	5.6	5.8	4.9	5.1	5.0	4.8	5.0	7.2	6.4	4.8	4.0	-15.2%	0.1%
United Arab Emirates	40.3	41.7	43.0	44.1	45.3	45.2	43.9	46.2	47.1	48.9	50.4	3.3%	1.7%
Yemen	—	—	—	—	—	—	0.7	5.6	8.5	6.8	9.3	36.5%	0.3%
Other Middle East	0.2	1.3	1.7	2.3	2.7	3.3	2.7	3.0	4.0	2.4	5.9	148.5%	0.2%
Total Middle East	237.7	266.9	286.8	307.7	333.8	360.3	378.3	431.0	472.4	490.9	511.4	4.5%	16.8%
Algeria	74.5	73.8	79.4	76.0	76.3	77.2	71.6	72.4	74.4	73.4	70.7	-3.3%	2.3%
Egypt	27.1	29.7	38.3	49.2	50.1	53.1	56.4	55.2	55.3	54.8	50.5	-7.7%	1.7%
Libya	5.0	7.3	10.2	11.9	13.8	14.3	14.3	15.1	7.1	11.0	10.8	-1.5%	0.4%
Nigeria	20.3	22.0	22.5	26.6	33.2	32.6	23.4	33.6	36.5	39.0	32.5	-16.4%	1.1%
Other Africa	6.5	8.0	8.9	9.4	11.1	14.2	14.7	16.6	16.8	16.6	19.4	17.2%	0.6%
Total Africa	133.4	140.7	159.3	173.1	184.5	191.4	180.4	192.8	190.1	194.7	183.9	-5.3%	6.0%
Australia	29.9	31.7	33.4	35.0	36.0	34.4	38.1	40.7	40.4	39.0	38.6	-0.9%	1.3%
Bangladesh	11.1	11.5	12.4	13.6	14.3	15.3	16.7	17.9	18.1	19.0	19.7	4.2%	0.6%
Brunei	11.1	11.0	10.8	11.3	11.0	10.9	10.3	11.1	11.5	11.3	11.0	-2.6%	0.4%
China	31.5	37.3	44.4	52.7	62.3	72.3	76.7	85.4	92.4	96.4	105.3	9.5%	3.5%
India	26.6	26.3	26.7	26.4	27.1	27.5	35.3	45.8	41.5	36.3	30.3	-16.3%	1.0%
Indonesia	65.9	63.3	64.1	63.2	60.9	62.7	64.7	73.8	68.3	64.0	63.4	-0.7%	2.1%
Malaysia	46.6	48.5	55.0	57.0	58.1	58.2	57.0	58.8	58.7	59.8	62.1	4.2%	2.0%
Myanmar	8.6	9.2	11.0	11.3	12.2	11.2	10.4	11.2	11.5	11.5	11.8	3.1%	0.4%
Pakistan	27.4	31.0	32.0	32.5	33.1	33.8	34.6	35.7	35.2	37.1	34.7	-6.2%	1.1%
Thailand	19.3	20.1	21.3	21.9	23.4	25.9	27.8	32.7	33.3	37.3	37.6	1.2%	1.2%
Vietnam	2.1	3.7	5.8	6.3	6.4	6.7	7.2	8.5	7.6	8.4	8.8	4.5%	0.3%
Other Asia Pacific	9.6	9.0	9.9	13.1	15.6	16.5	16.7	16.4	16.5	16.4	16.9	3.3%	0.6%
Total Asia Pacific	289.8	302.7	326.7	344.3	360.4	375.4	395.6	437.8	435.2	436.4	440.1	1.1%	14.5%
Total World	2367.2	2439.4	2508.3	2601.3	2674.0	2769.6	2690.0	2878.0	2965.1	3016.6	3041.3	1.1%	100.0%
of which: OECD	992.5	990.4	983.5	995.4	998.6	1025.9	1022.9	1043.0	1059.2	1087.0	1088.4	0.4%	35.8%
Non-OECD	1374.7	1449.0	1524.9	1605.9	1675.3	1743.7	1667.1	1835.0	1905.9	1929.6	1952.9	1.5%	64.2%
European Union	203.2	206.5	192.7	182.7	171.2	172.9	157.2	160.2	141.3	133.1	132.1	-0.5%	4.3%
Former Soviet Union	630.6	644.2	655.1	673.4	684.4	702.9	607.3	666.6	697.3	687.9	698.8	1.9%	23.0%

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

•Less than 0.05%.

Note: Growth rates are adjusted for leap years.

Source: Includes data from Cedigaz.

Consumption*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	575.3	577.7	568.6	560.4	596.3	600.8	590.1	619.3	628.8	657.3	671.0	2.4%	22.2%
Canada	87.9	85.6	88.0	87.3	86.6	86.5	85.4	85.5	90.8	90.2	93.1	3.5%	3.1%
Mexico	46.3	48.9	54.9	60.0	57.1	59.6	65.2	65.2	69.0	71.6	74.5	4.2%	2.5%
Total North America	709.5	712.1	711.6	707.6	740.0	746.9	740.7	770.0	788.6	819.2	838.6	2.7%	27.8%
Argentina	31.1	34.1	36.4	37.6	39.5	40.0	38.9	39.0	41.1	42.6	43.2	1.7%	1.4%
Brazil	14.2	16.9	17.6	18.5	19.1	22.4	18.1	24.1	24.0	28.5	33.9	19.2%	1.1%
Chile	7.2	7.8	7.5	7.0	4.1	2.4	2.8	4.8	4.8	4.9	3.9	-19.4%	0.1%
Colombia	5.4	5.7	6.0	6.3	6.7	6.8	7.8	8.2	8.0	8.9	9.6	9.1%	0.3%
Ecuador	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.5	-8.7%	•
Peru	0.5	0.8	1.4	1.6	2.4	3.1	3.1	4.9	5.5	6.1	5.9	-2.7%	0.2%
Trinidad & Tobago	12.0	13.3	14.7	19.1	19.7	19.2	19.9	20.9	20.8	20.0	20.2	1.1%	0.7%
Venezuela	22.7	25.6	24.7	28.3	32.5	30.9	29.0	26.1	26.8	28.3	27.5	-2.5%	0.9%
Other S. & Cent. America	2.8	2.7	2.9	3.5	4.0	4.3	4.5	4.8	5.2	6.4	7.1	11.4%	0.2%
Total S. & Cent. America	96.1	107.1	111.5	122.4	128.6	129.3	124.8	133.2	136.7	146.1	151.8	4.2%	5.0%
Austria	8.5	8.5	9.0	8.5	8.0	8.6	8.4	9.1	8.5	8.1	7.6	-5.9%	0.3%
Azerbaijan	7.0	7.5	7.7	8.2	7.2	8.2	7.0	6.7	7.3	7.7	7.8	1.5%	0.3%
Belarus	14.3	16.1	16.5	17.1	17.0	17.3	14.5	17.7	16.5	16.5	16.5	0.3%	0.5%
Belgium	14.4	14.6	14.7	15.0	14.9	14.8	15.1	17.0	14.9	15.2	15.1	-0.4%	0.5%
Bulgaria	2.5	2.5	2.8	2.9	2.9	2.9	2.1	2.3	2.6	2.5	2.4	-3.1%	0.1%
Czech Republic	7.8	8.2	8.5	8.4	7.8	7.8	7.4	8.4	7.6	7.4	7.6	3.2%	0.3%
Denmark	4.7	4.7	4.5	4.6	4.1	4.1	4.0	4.5	3.8	3.5	3.4	-4.1%	0.1%
Finland	4.0	3.9	3.6	3.8	3.5	3.6	3.2	3.6	3.1	2.7	2.6	-6.7%	0.1%
France	38.9	40.6	40.3	39.3	38.2	39.4	37.6	42.2	36.4	38.0	38.6	1.7%	1.3%
Germany	77.0	77.3	77.6	78.5	74.6	73.1	70.2	75.0	67.1	70.5	75.3	7.0%	2.5%
Greece	2.2	2.4	2.4	2.8	3.3	3.5	2.9	3.2	4.0	3.7	3.2	-11.5%	0.1%
Hungary	11.9	11.8	11.0	9.7	11.8	12.6	11.5	11.3	9.3	9.2	7.7	-16.2%	0.3%
Republic of Ireland	3.7	3.7	3.5	3.9	4.3	4.5	4.3	4.7	4.1	4.0	4.0	-0.1%	0.1%
Italy	64.1	66.5	71.2	69.7	70.0	70.0	64.4	68.6	64.3	61.8	57.8	-6.2%	1.9%
Kazakhstan	7.9	6.0	7.6	8.1	8.3	8.0	7.7	8.1	8.6	9.4	10.3	9.6%	0.3%
Lithuania	2.8	2.8	2.9	2.9	3.3	2.9	2.5	2.8	3.1	3.0	2.4	-18.3%	0.1%
Netherlands	36.0	36.8	35.4	34.3	33.3	34.7	35.0	39.2	34.3	32.8	33.4	2.0%	1.1%
Norway	3.9	4.1	4.0	4.0	3.8	3.9	3.7	3.7	3.9	3.9	4.0	1.4%	0.1%
Poland	11.3	11.9	12.2	12.4	12.4	13.5	13.0	14.0	14.1	14.9	15.0	1.1%	0.5%
Portugal	2.7	3.4	3.8	3.7	3.9	4.3	4.2	4.6	4.7	4.0	3.7	-9.6%	0.1%
Romania	16.5	15.7	15.8	16.3	14.5	14.3	11.9	12.2	12.5	12.2	11.2	-7.5%	0.4%
Russian Federation	341.5	350.4	354.6	373.5	379.8	374.4	350.7	372.8	382.1	374.6	372.1	-0.4%	12.3%
Slovakia	5.7	5.5	5.9	5.4	5.1	5.2	4.4	5.0	4.6	4.4	4.9	11.5%	0.2%
Spain	21.3	24.7	29.1	30.3	31.6	34.8	31.1	31.2	29.0	28.2	26.1	-7.2%	0.9%
Sweden	0.7	0.7	0.7	0.8	0.9	0.8	1.0	1.4	1.1	1.0	1.0	-1.8%	•
Switzerland	2.6	2.7	2.8	2.7	2.6	2.8	2.7	3.0	2.7	2.9	3.3	12.4%	0.1%
Turkey	18.8	19.9	24.2	27.4	32.5	33.8	32.1	35.1	40.2	40.7	41.1	1.1%	1.4%
Turkmenistan	12.8	13.5	14.5	16.5	19.1	18.5	17.9	20.4	21.1	23.8	20.0	-15.5%	0.7%
Ukraine	62.1	61.7	62.1	60.3	56.9	54.0	42.1	47.0	48.4	44.6	40.5	-8.9%	1.3%
United Kingdom	85.8	87.6	85.4	81.0	81.9	84.1	78.3	84.8	70.3	66.3	65.8	-0.6%	2.2%
Uzbekistan	41.2	39.1	38.4	37.7	41.3	43.8	39.2	41.0	44.2	42.2	40.7	-3.3%	1.3%
Other Europe & Eurasia	13.8	15.2	15.4	16.0	16.4	15.8	13.3	14.4	14.9	14.5	13.4	-6.9%	0.4%
Total Europe & Eurasia	948.2	969.9	988.4	1005.6	1015.2	1020.2	943.4	1014.7	989.3	974.3	958.3	-1.4%	31.7%
Iran	76.5	88.9	92.5	100.8	113.0	121.3	128.9	137.6	146.2	145.4	146.0	0.7%	4.8%
Israel	†	1.1	1.5	2.1	2.5	3.7	4.1	4.8	4.5	2.3	6.2	168.7%	0.2%
Kuwait	9.9	10.7	11.0	11.3	10.9	11.5	11.1	13.1	15.3	16.3	16.0	-1.9%	0.5%
Qatar	11.0	13.5	16.8	17.6	17.4	17.4	18.0	18.4	20.7	21.1	23.3	10.3%	0.8%
Saudi Arabia	54.1	59.1	64.1	66.2	67.0	72.4	70.6	78.9	83.0	89.4	92.7	4.0%	3.1%
United Arab Emirates	34.1	36.2	37.8	39.0	44.3	53.5	53.2	54.7	56.2	59.0	61.5	4.5%	2.0%
Other Middle East	22.5	23.9	25.5	28.3	29.1	32.9	35.0	39.8	36.6	38.0	39.9	5.1%	1.3%
Total Middle East	208.0	233.4	249.3	265.3	284.1	312.7	320.8	347.2	362.6	371.6	385.5	4.0%	12.8%
Algeria	19.3	19.8	20.9	21.4	21.9	22.8	24.5	23.7	25.1	27.9	29.1	4.3%	1.0%
Egypt	26.7	28.5	28.4	32.9	34.5	36.8	38.3	40.6	44.7	47.3	46.3	-2.0%	1.5%
South Africa	0.9	1.9	2.8	3.1	3.1	3.4	3.0	3.5	3.5	3.6	3.5	-1.0%	0.1%
Other Africa	20.4	22.8	24.9	23.0	27.1	28.2	24.3	29.3	30.1	31.8	32.1	1.3%	1.1%
Total Africa	67.3	73.1	77.1	80.4	86.6	91.2	90.1	97.1	103.4	110.7	111.0	0.6%	3.7%
Australia	20.2	20.5	19.9	22.0	23.9	23.0	22.7	22.8	22.6	16.7	16.1	-3.5%	0.5%
Bangladesh	11.1	11.5	12.4	13.6	14.3	15.3	16.7	17.9	18.1	19.0	19.7	4.2%	0.7%
China	30.5	35.7	42.1	50.5	63.5	73.2	80.6	96.2	117.5	131.7	145.5	10.8%	4.8%
China Hong Kong SAR	1.7	2.4	2.4	2.6	2.5	2.9	2.8	3.4	2.7	2.5	2.4	-5.5%	0.1%
India	26.6	28.7	32.1	33.5	36.1	37.2	46.7	56.7	55.3	52.9	46.3	-12.2%	1.5%
Indonesia	31.5	29.0	29.9	29.9	28.2	30.0	33.6	36.3	33.5	32.2	34.6	7.6%	1.1%
Japan	71.8	69.3	70.7	75.4	81.2	84.4	78.7	85.1	95.0	105.3	105.2	0.2%	3.5%
Malaysia	24.6	22.2	28.3	30.4	30.1	30.4	29.7	31.6	28.6	31.2	30.6	-1.8%	1.0%
New Zealand	3.9	3.5	3.2	3.3	3.6	3.4	3.6	3.9	3.5	3.8	4.0	5.6%	0.1%
Pakistan	27.4	31.0	32.0	32.5	33.1	33.8	34.6	35.7	35.2	37.1	34.7	-6.2%	1.1%
Philippines	2.2	2.1	2.9	2.7	3.2	3.4	3.4	3.2	3.5	3.3	3.0	-8.2%	0.1%
Singapore	3.6	4.5	6.2	6.3	7.8	7.4	7.3	7.6	7.9	8.5	9.5	12.3%	0.3%
South Korea	21.8	25.5	27.3	28.8	31.2	32.1	30.5	38.7	41.7	45.2	47.3	4.9%	1.6%
Taiwan	6.9	8.4	8.5	9.1	9.6	10.5	10.2	12.7	14.0	14.7	14.7	0.6%	0.5%
Thailand	25.7	26.9	29.3	30.0	31.8	33.6	35.3	40.6	41.9	46.1	47.0	2.2%	1.6%
Vietnam	2.1	3.7	5.8	6.3	6.4	6.7	7.2	8.5	7.6	8.4	8.8	4.5%	0.3%
Other Asia Pacific	3.8	4.1	4.7	4.9	5.4	5.1	4.6	5.2	5.6	5.9	6.0	1.7%	0.2%
Total Asia Pacific	315.3	329.2	357.6	381.8	411.9	432.2	448.1	506.0	534.2	564.4	575.2	2.2%	19.0%
Total World	2344.5	2424.7	2495.5	2563.1	2666.4	2732.5	2667.9	2868.2	2914.7	2986.3	3020.4	1.4%	100.0%
of which: OECD	1262.9	1282.1	1294.6	1295.2	1338.2	1358.7	1320.1	1402.1	1391.0	1423.1	1444.4	1.8%	47.8%
Non-OECD	1081.6	1142.6	1200.9	1267.9	1328.3	1373.9	1347.8	1466.1	1523.7	1563.1	1576.0	1.1%	52.2%
European Union	429.0	440.7	447.4	441.1	437.7	446.7	418.9	452.0	405.9	399.7	394.3	-1.1%	13.1%
Former Soviet Union	496.6	504.7	512.8	533.0	541.6	535.5	488.4	523.4	539.0	529.6	517.9	-1.9%	17.1%

*Excludes natural gas converted to liquid fuels but includes derivatives of coal as well as natural gas consumed in Gas-to-Liquids transformation.

Source: Includes data from Cedigaz.

†Less than 0.05.

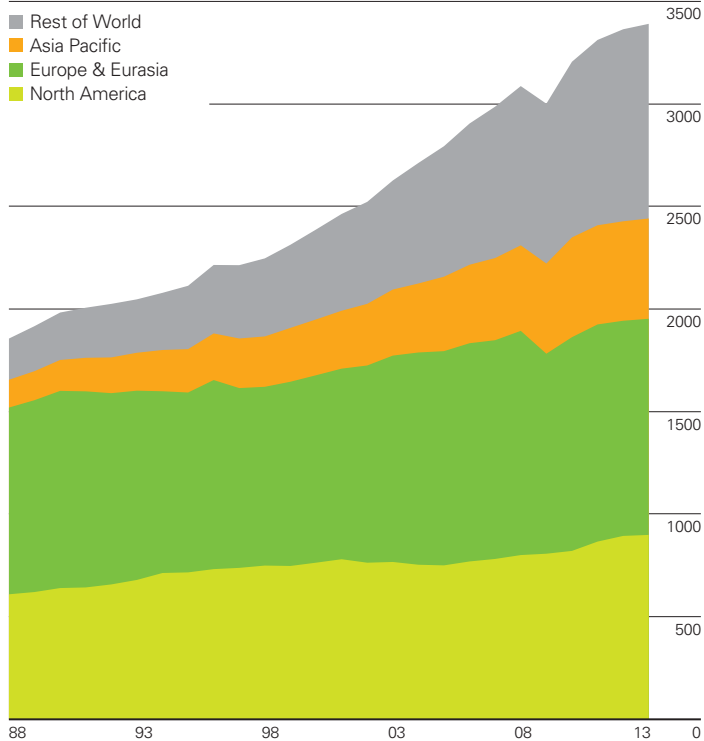
•Less than 0.05%.

Notes: The difference between these world consumption figures and the world production statistics is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.

Growth rates are adjusted for leap years.

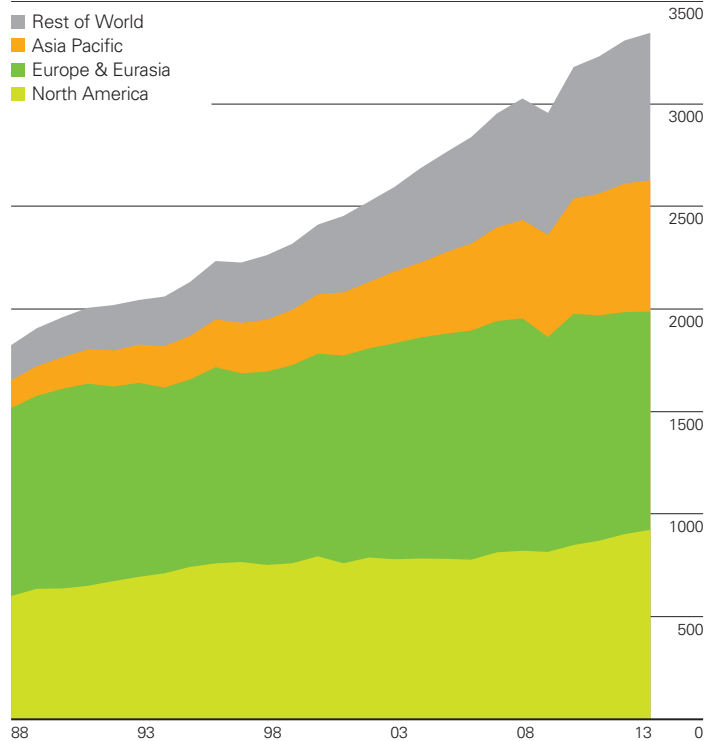
Production by region

Billion cubic metres



Consumption by region

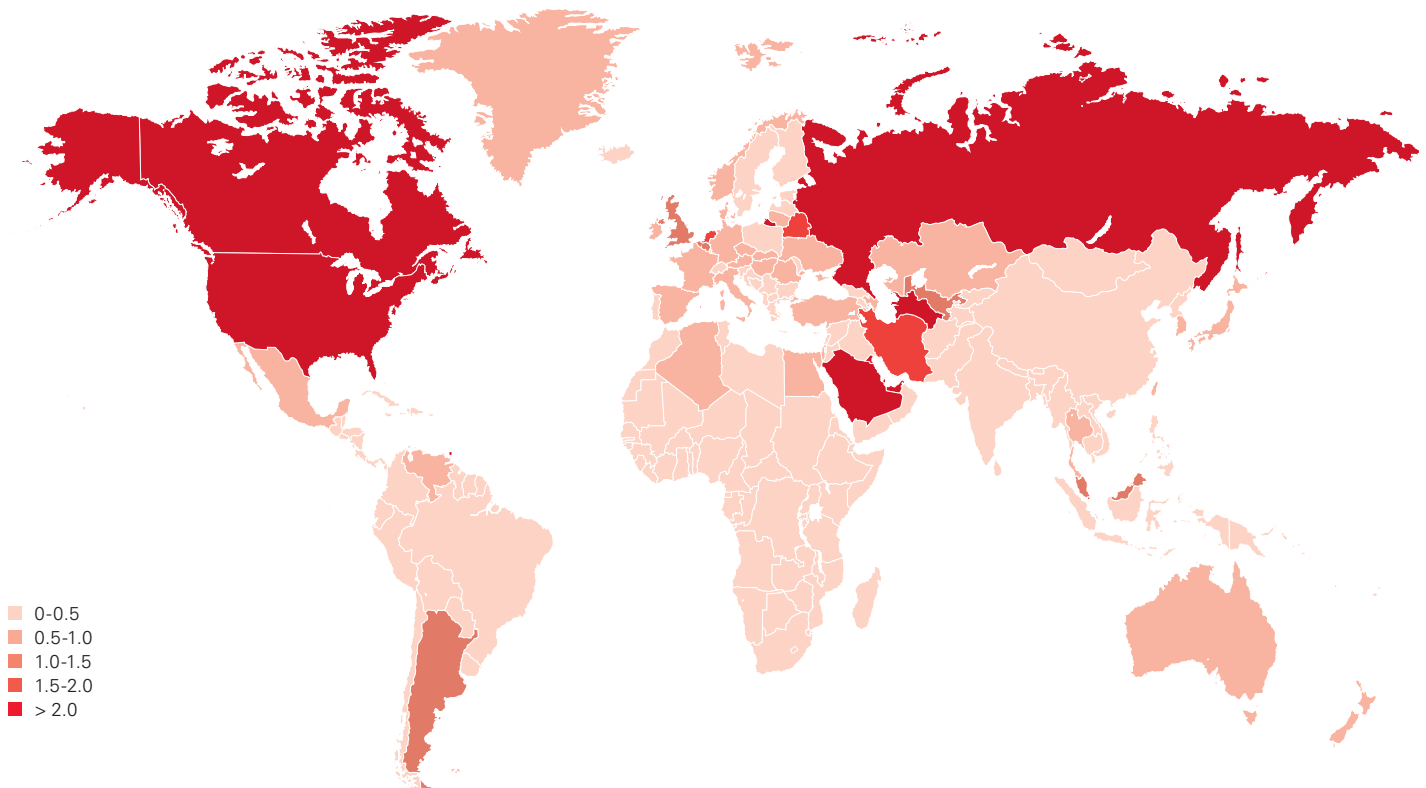
Billion cubic metres



World natural gas production increased by 1.1% in 2013, slightly below the growth rate of global consumption (+1.4%). Production growth was below average in all regions except Europe & Eurasia. Russia (+2.4%) and China (+9.5%) recorded the largest growth increments. Consumption growth was below average in all regions except North America. China (+10.8%) and the US (+2.4%) recorded the largest growth increments.

Consumption per capita 2013

Tonnes oil equivalent



Source: Includes data from Cedigaz.

Prices

\$/Mmbtu



Prices

US dollars per million Btu	LNG Japan cif	Natural gas				Crude oil OECD countries cif
		Average German Import Price*	UK (Heren NBP Index)†	US Henry Hub‡	Canada (Alberta)‡	
1984	5.10	4.00	—	—	—	5.00
1985	5.23	4.25	—	—	—	4.75
1986	4.10	3.93	—	—	—	2.57
1987	3.35	2.55	—	—	—	3.09
1988	3.34	2.22	—	—	—	2.56
1989	3.28	2.00	—	1.70	—	3.01
1990	3.64	2.78	—	1.64	1.05	3.82
1991	3.99	3.19	—	1.49	0.89	3.33
1992	3.62	2.69	—	1.77	0.98	3.19
1993	3.52	2.50	—	2.12	1.69	2.82
1994	3.18	2.35	—	1.92	1.45	2.70
1995	3.46	2.39	—	1.69	0.89	2.96
1996	3.66	2.46	1.87	2.76	1.12	3.54
1997	3.91	2.64	1.96	2.53	1.36	3.29
1998	3.05	2.32	1.86	2.08	1.42	2.16
1999	3.14	1.88	1.58	2.27	2.00	2.98
2000	4.72	2.89	2.71	4.23	3.75	4.83
2001	4.64	3.66	3.17	4.07	3.61	4.08
2002	4.27	3.23	2.37	3.33	2.57	4.17
2003	4.77	4.06	3.33	5.63	4.83	4.89
2004	5.18	4.32	4.46	5.85	5.03	6.27
2005	6.05	5.88	7.38	8.79	7.25	8.74
2006	7.14	7.85	7.87	6.76	5.83	10.66
2007	7.73	8.03	6.01	6.95	6.17	11.95
2008	12.55	11.56	10.79	8.85	7.99	16.76
2009	9.06	8.52	4.85	3.89	3.38	10.41
2010	10.91	8.01	6.56	4.39	3.69	13.47
2011	14.73	10.48	9.04	4.01	3.47	18.55
2012	16.75	11.03	9.46	2.76	2.27	18.82
2013	16.17	10.72	10.63	3.71	2.93	18.25

*Source: 1984-1990 German Federal Statistical Office, 1991-2013 German Federal Office of Economics and Export Control (BAFA).

†Source: ICIS Heren Energy Ltd.

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

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

Trade movements 2013 by pipeline

Billion cubic metres				From																		
To	US	Canada	Mexico	Bolivia	Other S. & Cent. America	Netherlands	Norway	United Kingdom	Other Europe	Kazakhstan	Russian Federation	Turkmenistan	Other Former Soviet Union	Iran	Qatar	Algeria	Libya	Other Africa	Indonesia	Myanmar	Other Asia Pacific	Total imports
US	–	78.9	†	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	78.9
Canada	25.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	25.8
Mexico	18.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	18.6
North America	44.4	78.9	†	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	123.3
Argentina	–	–	–	5.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	5.2
Brazil	–	–	–	10.7	0.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	10.8
Other S. & Cent. America	–	–	–	–	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.7
S. & Cent. America	–	–	–	15.9	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	18.6
Austria	–	–	–	–	–	–	1.2	0.5	–	5.1	–	–	–	–	–	–	–	–	–	–	–	6.8
Belgium	–	–	–	–	–	5.4	9.4	2.5	–	12.3	–	–	–	–	–	–	–	–	–	–	–	29.6
Czech Republic	–	–	–	–	–	–	3.8	–	–	7.2	–	–	–	–	–	–	–	–	–	–	–	11.0
Finland	–	–	–	–	–	–	–	–	–	3.5	–	–	–	–	–	–	–	–	–	–	–	3.5
France	–	–	–	–	–	6.5	15.5	0.4	–	8.1	–	–	–	–	–	–	–	–	–	–	–	30.5
Germany	–	–	–	–	–	22.4	33.5	†	–	39.8	–	–	–	–	–	–	–	–	–	–	–	95.8
Greece	–	–	–	–	–	–	–	0.6	–	2.4	–	–	–	–	–	–	–	–	–	–	–	3.0
Hungary	–	–	–	–	–	–	–	–	–	5.9	–	–	–	–	–	–	–	–	–	–	–	5.9
Ireland	–	–	–	–	–	–	–	4.9	–	–	–	–	–	–	–	–	–	–	–	–	–	4.9
Italy	–	–	–	–	–	8.6	1.1	0.3	–	24.9	–	–	–	–	–	11.4	5.2	–	–	–	–	51.6
Netherlands	–	–	–	–	–	–	4.8	1.6	13.0	2.1	–	–	–	–	–	–	–	–	–	–	–	21.5
Poland	–	–	–	–	–	–	–	1.8	–	9.6	–	–	–	–	–	–	–	–	–	–	–	11.4
Slovakia	–	–	–	–	–	–	–	–	–	5.3	–	–	–	–	–	–	–	–	–	–	–	5.3
Spain	–	–	–	–	–	–	2.7	1.3	–	–	–	–	–	–	–	11.4	–	–	–	–	–	15.3
Turkey	–	–	–	–	–	–	–	–	–	26.2	–	3.3	–	8.7	–	–	–	–	–	–	–	38.2
United Kingdom	–	–	–	–	–	9.5	29.1	3.3	–	–	–	–	–	–	–	2.0	–	–	–	–	–	41.9
Other Europe	–	–	–	–	–	0.8	1.2	†	6.8	–	10.0	–	–	–	–	–	–	–	–	–	–	20.7
Europe	–	–	–	–	–	53.2	102.4	8.9	28.1	–	162.4	–	3.3	8.7	–	24.8	5.2	–	–	–	–	397.1
Belarus	–	–	–	–	–	–	–	–	–	18.1	–	–	–	–	–	–	–	–	–	–	–	18.1
Russian Federation	–	–	–	–	–	–	–	–	–	11.5	–	9.9	6.4	–	–	–	–	–	–	–	–	27.8
Ukraine	–	–	–	–	–	–	–	1.8	–	–	25.1	–	–	–	–	–	–	–	–	–	–	26.9
Other Former Soviet Union	–	–	–	–	–	–	–	–	–	0.2	5.6	1.1	3.8	0.7	–	–	–	–	–	–	–	11.4
Former Soviet Union	–	–	–	–	–	–	–	–	1.8	11.7	48.9	11.0	10.1	0.7	–	–	–	–	–	–	–	84.2
Iran	–	–	–	–	–	–	–	–	–	–	–	4.7	0.4	–	–	–	–	–	–	–	–	5.0
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–	–	–	–	17.8	–	–	–	–	–	–	17.8
Other Middle East	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.1	–	–	0.2	–	–	–	2.2
Middle East	–	–	–	–	–	–	–	–	–	–	–	4.7	0.4	–	19.9	–	–	0.2	–	–	–	25.1
South Africa	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.9	–	–	–	2.9
Other Africa	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.2	–	0.3	–	–	–	3.5
Africa	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.2	–	3.2	–	–	–	6.4
Australia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6.8	–	6.8
China	–	–	–	–	–	–	–	–	–	0.1	–	24.4	2.9	–	–	–	–	–	–	–	†	27.4
China Hong Kong SAR	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.8	2.8
Malaysia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.2	–	–	1.2
Singapore	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7.6	–	1.6	9.2
Thailand	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	8.5	8.5
Asia Pacific	–	–	–	–	–	–	–	–	–	0.1	–	24.4	2.9	–	–	–	–	–	8.9	8.5	11.1	55.9
Total exports	44.4	78.9	†	15.9	2.7	53.2	102.4	8.9	29.9	11.8	211.3	40.1	16.7	9.4	19.9	28.0	5.2	3.4	8.9	8.5	11.1	710.6

†Less than 0.05.

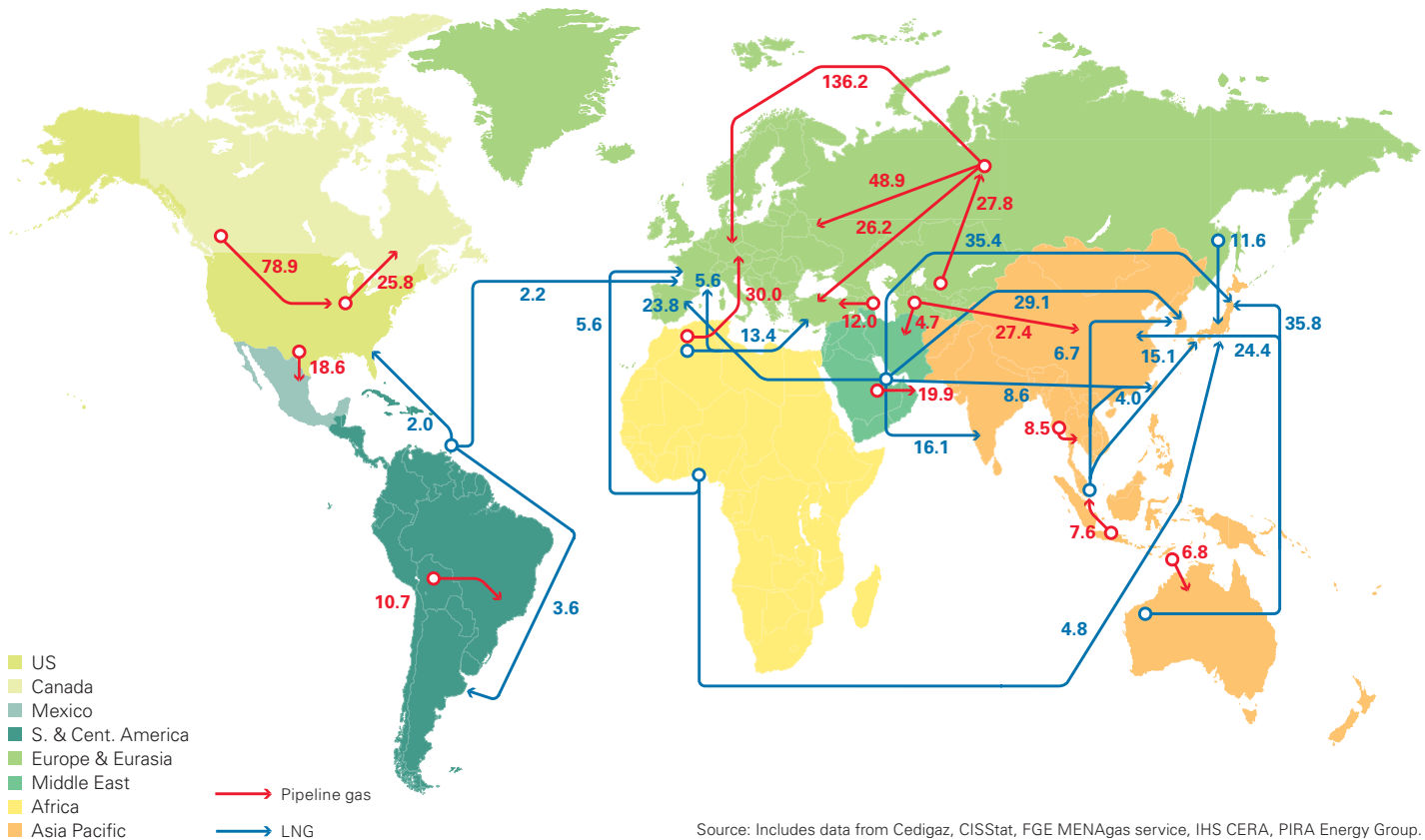
Source: Includes data from Cedigaz, CISStat, FGE MENAgas service, IHS CERA, PIRA Energy Group.

Trade movements 2013 as liquefied natural gas

Billion cubic metres				From																		
To	US*	Brazil*	Trinidad & Tobago	Peru	Norway	Other Europe*	Russian Federation	Oman	Qatar	United Arab Emirates	Yemen	Algeria	Angola	Egypt	Equatorial Guinea	Nigeria	Australia	Brunei	Indonesia	Malaysia	Total imports	
US	–	–	2.0	–	0.2	–	–	–	0.2	–	0.3	–	–	–	–	0.1	–	–	–	–	–	2.7
Canada	†	–	0.2	–	–	–	–	–	0.8	–	–	–	–	–	–	–	–	–	–	–	–	1.1
Mexico	0.1	–	0.4	2.5	0.4	0.4	–	–	1.6	–	0.5	–	–	–	–	1.6	–	–	0.4	–	–	7.8
North America	0.1	–	2.6	2.5	0.5	0.4	–	–	2.6	–	0.8	–	–	–	–	1.6	–	–	0.4	–	–	11.6
Argentina	–	†	3.6	–	0.1	1.6	–	–	0.9	–	–	–	–	0.2	–	0.5	–	–	–	–	–	6.9
Brazil	–	–	2.5	–	0.3	1.0	–	–	0.3	–	–	0.1	0.1	0.1	–	0.9	–	–	–	–	–	5.1
Chile	–	–	3.5	–	–	–	–	–	0.2	–	0.4	–	–	–	–	–	–	–	–	–	–	4.1
Other S. & Cent. America	–	–	3.4	–	–	–	–	–	–	–	–	–	–	–	–	0.1	–	–	–	–	–	3.4
S. & Cent. America	–	†	13.0	–	0.3	2.6	–	–	1.3	–	0.4	0.1	0.1	0.2	–	1.5	–	–	–	–	–	19.6
Belgium	–	–	–	–	†	–	–	–	3.2	–	–	–	–	–	–	–	–	–	–	–	–	3.2
France	–	–	–	–	0.3	0.1	–	–	1.8	–	0.1	5.3	–	–	–	1.2	–	–	–	–	–	8.7
Italy	–	–	–	–	–	0.3	–	–	5.2	–	–	†	–	–	–	–	–	–	–	–	–	5.5
Spain	–	–	2.0	1.5	1.1	0.3	–	0.2	3.5	–	–	3.2	–	†	–	3.1	–	–	–	–	–	14.9
Turkey	–	–	–	–	0.2	0.1	–	–	0.4	–	0.1	3.8	–	0.2	–	1.3	–	–	–	–	–	6.1
United Kingdom	–	–	0.1	–	0.1	–	–	–	8.6	–	–	0.4	–	0.1	–	–	–	–	–	–	–	9.3
Other Europe & Eurasia	–	–	0.1	–	0.6	0.2	–	–	0.8	–	–	0.7	–	0.1	–	1.3	–	–	–	–	–	3.7
Europe & Eurasia	–	–	2.2	1.5	2.3	1.0	–	0.2	23.4	–	0.2	13.5	–	0.4	–	6.9	–	–	–	–	–	51.5
Middle East	–	–	0.3	–	–	0.2	–	–	3.3	–	–	0.1	–	0.2	–	0.3	0.1	–	–	–	–	4.5
China	–	–	0.1	–	–	0.1	–	–	9.2	–	1.5	0.1	0.1	0.6	0.5	0.5	4.8	–	3.3	3.6	–	24.5
India	–	–	–	–	0.1	0.1	–	–	15.3	–	0.7	0.1	–	0.4	–	0.9	–	0.1	–	–	–	17.8
Japan	–	–	0.4	1.0	0.4	0.2	11.6	5.5	21.8	7.4	0.7	0.6	0.2	0.8	3.0	5.2	24.4	6.9	8.5	20.3	–	119.0
South Korea	–	–	0.7	0.7	0.1	0.3	2.5	5.9	18.3	–	4.9	0.2	0.1	0.8	0.2	3.8	0.8	1.6	7.7	5.9	–	54.2
Taiwan	–	–	0.1	–	–	0.1	0.1	–	8.5	–	0.1	–	–	0.2	0.4	0.9	0.1	0.2	2.6	4.0	–	17.2
Thailand	–	–	–	–	–	0.1	–	–	1.4	–	0.1	–	–	†	0.1	0.3	–	–	–	–	–	2.0
Other Asia Pacific	–	–	0.3	–	0.1	–	–	–	0.3	–	0.2	0.3	–	0.1	0.8	0.5	–	0.8	–	–	–	3.4
Asia Pacific	–	–	1.6	1.7	0.7	0.8	14.2	11.4	75.0	7.4	8.2	1.3	0.3	3.0	5.1	12.1	30.1	9.5	22.1	33.8	–	238.1
Total exports	0.1	†	19.8	5.6	3.8	5.1	14.2	11.5	105.6	7.4	9.6	14.9	0.4	3.7	5.1	22.4	30.2	9.5	22.4	33.8	–	325.3

Major trade movements 2013

Trade flows worldwide (billion cubic metres)



Gas trade in 2012 and 2013

Billion cubic metres	2012				2013			
	Pipeline imports	LNG imports	Pipeline exports	LNG exports	Pipeline imports	LNG imports	Pipeline exports	LNG exports
US	83.8	4.9	45.1	0.9	78.9	2.7	44.4	0.1
Canada	27.5	1.8	83.8	–	25.8	1.1	78.9	–
Mexico	17.6	4.8	†	–	18.6	7.8	†	–
Trinidad & Tobago	–	–	–	18.9	–	–	–	19.8
Other S. & Cent. America	15.8	15.2	15.8	5.5	18.6	19.6	18.6	5.7
France	32.3	10.3	1.2	0.2	30.5	8.7	1.1	0.6
Germany	83.5	–	12.5	–	95.8	–	15.1	–
Italy	55.4	7.1	0.1	–	51.6	5.5	0.2	–
Netherlands	20.9	0.8	48.6	–	21.5	0.8	53.2	0.2
Norway	–	–	107.6	4.8	†	–	102.4	3.8
Spain	13.3	20.4	0.7	1.2	15.3	14.9	0.9	2.6
Turkey	37.4	7.7	0.6	–	38.2	6.1	0.6	–
United Kingdom	37.7	13.7	12.0	–	41.9	9.3	8.9	–
Other Europe	101.9	8.2	10.5	1.6	102.2	6.1	11.9	1.6
Russian Federation	29.8	–	194.2	14.8	27.8	–	211.3	14.2
Ukraine	29.4	–	–	–	26.9	–	–	–
Other Former Soviet Union	29.3	–	63.3	–	29.5	–	68.5	–
Qatar	–	–	19.2	103.1	–	–	19.9	105.6
Other Middle East	24.4	4.6	8.8	25.7	25.1	4.5	9.4	28.5
Algeria	–	–	34.2	15.3	–	–	28.0	14.9
Other Africa	6.3	–	9.7	38.5	6.4	–	8.6	31.6
China	21.4	20.0	2.8	–	27.4	24.5	2.8	–
Japan	–	118.8	–	–	–	119.0	–	–
Indonesia	–	–	10.2	24.8	–	–	8.9	22.4
South Korea	–	49.1	–	–	–	54.2	–	–
Other Asia Pacific	28.8	36.7	15.8	68.9	28.5	40.4	16.9	73.5
Total World	696.6	324.2	696.6	324.2	710.6	325.3	710.6	325.3

†Less than 0.05.

Source: Includes data from Cedigaz, CISStat, FGE MENAgas service, GIIGNL, IHS CERA, PIRA Energy Group, Poten, Waterborne.

Proved reserves at end 2013

Million tonnes	Anthracite and bituminous	Sub-bituminous and lignite	Total	Share of total	R/P ratio
US	108501	128794	237295	26.6%	266
Canada	3474	3108	6582	0.7%	95
Mexico	860	351	1211	0.1%	73
Total North America	112835	132253	245088	27.5%	250
Brazil	–	6630	6630	0.7%	*
Colombia	6746	–	6746	0.8%	79
Venezuela	479	–	479	0.1%	206
Other S. & Cent. America	57	729	786	0.1%	278
Total S. & Cent. America	7282	7359	14641	1.6%	149
Bulgaria	2	2364	2366	0.3%	83
Czech Republic	181	871	1052	0.1%	21
Germany	48	40500	40548	4.5%	213
Greece	–	3020	3020	0.3%	56
Hungary	13	1647	1660	0.2%	174
Kazakhstan	21500	12100	33600	3.8%	293
Poland	4178	1287	5465	0.6%	38
Romania	10	281	291	♦	12
Russian Federation	49088	107922	157010	17.6%	452
Spain	200	330	530	0.1%	120
Turkey	322	8380	8702	1.0%	141
Ukraine	15351	18522	33873	3.8%	384
United Kingdom	228	–	228	♦	18
Other Europe & Eurasia	1436	20757	22193	2.5%	236
Total Europe & Eurasia	92557	217981	310538	34.8%	254
South Africa	30156	–	30156	3.4%	117
Zimbabwe	502	–	502	0.1%	315
Other Africa	942	214	1156	0.1%	466
Middle East	1122	–	1122	0.1%	*
Total Middle East & Africa	32722	214	32936	3.7%	126
Australia	37100	39300	76400	8.6%	160
China	62200	52300	114500	12.8%	31
India	56100	4500	60600	6.8%	100
Indonesia	–	28017	28017	3.1%	67
Japan	337	10	347	♦	288
New Zealand	33	538	571	0.1%	126
North Korea	300	300	600	0.1%	15
Pakistan	–	2070	2070	0.2%	*
South Korea	–	126	126	♦	69
Thailand	–	1239	1239	0.1%	69
Vietnam	150	–	150	♦	4
Other Asia Pacific	1583	2125	3708	0.4%	87
Total Asia Pacific	157803	130525	288328	32.3%	54
Total World	403199	488332	891531	100.0%	113
of which: OECD	155494	229321	384815	43.2%	191
Non-OECD	247705	259011	506716	56.8%	86
European Union	4883	51199	56082	6.3%	103
Former Soviet Union	86725	141309	228034	25.6%	396

*More than 500 years.

♦Less than 0.05%.

Source of reserves data: World Energy Resources 2013 Survey, World Energy Council.

Notes: Proved reserves of coal – Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known deposits under existing economic and operating conditions.

Reserves-to-production (R/P) ratio – If the reserves remaining at the end of the 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.

Prices

US dollars per tonne	Northwest Europe marker price†	US Central Appalachian coal spot price index‡	Japan coking coal import cif price	Japan steam coal import cif price	Asian marker price†
1993	33.68	29.85	55.26	45.71	–
1994	37.18	31.72	51.77	43.66	–
1995	44.50	27.01	54.47	47.58	–
1996	41.25	29.86	56.68	49.54	–
1997	38.92	29.76	55.51	45.53	–
1998	32.00	31.00	50.76	40.51	29.48
1999	28.79	31.29	42.83	35.74	27.82
2000	35.99	29.90	39.69	34.58	31.76
2001	39.03	50.15	41.33	37.96	36.89
2002	31.65	33.20	42.01	36.90	30.41
2003	43.60	38.52	41.57	34.74	36.53
2004	72.08	64.90	60.96	51.34	72.42
2005	60.54	70.12	89.33	62.91	61.84
2006	64.11	62.96	93.46	63.04	56.47
2007	88.79	51.16	88.24	69.86	84.57
2008	147.67	118.79	179.03	122.81	148.06
2009	70.66	68.08	167.82	110.11	78.81
2010	92.50	71.63	158.95	105.19	105.43
2011	121.52	87.38	229.12	136.21	125.74
2012	92.50	72.06	191.46	133.61	105.50
2013	81.69	71.39	140.45	111.16	90.90

†Source: IHS McCloskey Northwest Europe prices for 1993-2000 are the average of the monthly marker, 2001-2013 the average of weekly prices. The Asian prices are the average of the monthly marker.

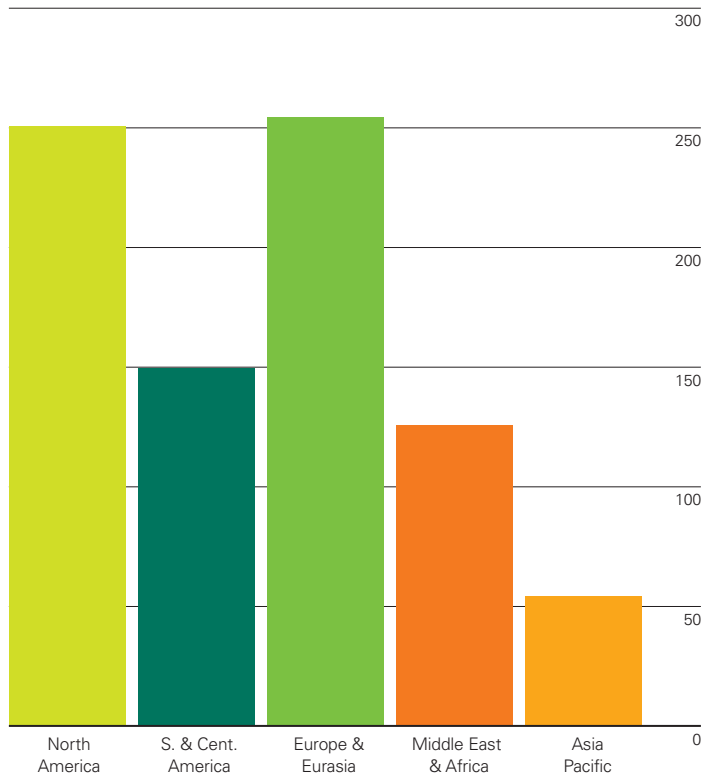
‡Source: Platts. Prices are for Central Appalachian 12,500 BTU, 1.2 SO₂ coal, fob. Prices for 1990-2000 are by coal price publication date, 2001-2013 by coal price assessment date.

Note: cif = cost+insurance+freight (average prices); fob = free on board.

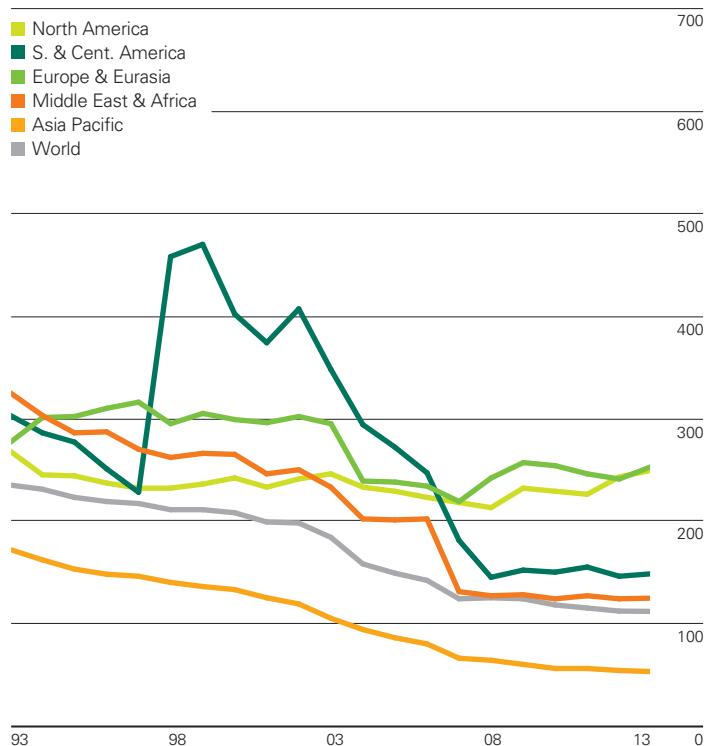
Reserves-to-production (R/P) ratios

Years

2013 by region



History

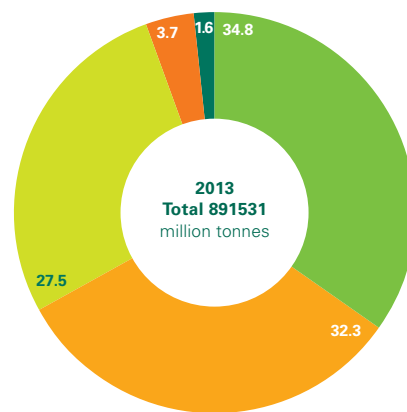
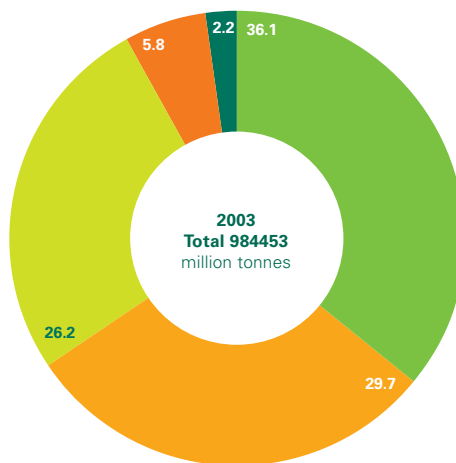
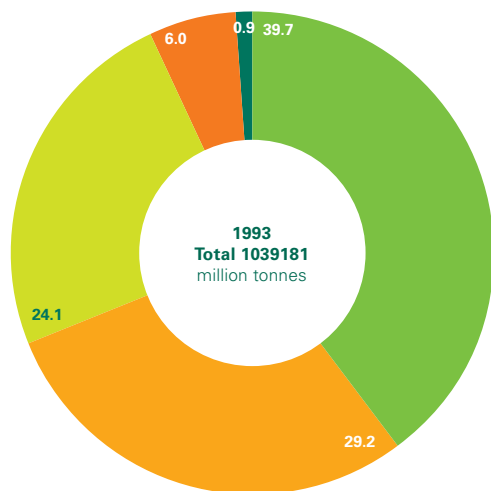


World proved coal reserves in 2013 were sufficient to meet 113 years of global production, by far the largest R/P ratio for any fossil fuel. The US, Russia and China hold the largest proved reserves. By region, Europe & Eurasia holds the largest proved reserves and has the highest R/P ratio – 254 years, compared with 250 for North America.

Distribution of proved reserves in 1993, 2003 and 2013

Percentage

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



Source: World Energy Resources 2013 Survey, World Energy Council.

Production*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	553.6	572.4	580.2	595.1	587.7	596.7	540.8	551.2	556.1	517.8	500.5	-3.1%	12.9%
Canada	31.8	33.9	35.3	34.8	35.7	35.6	33.1	35.4	35.5	35.5	36.8	3.9%	0.9%
Mexico	4.4	5.9	6.1	6.8	7.3	6.9	6.1	7.3	9.4	7.8	8.3	6.0%	0.2%
Total North America	589.8	612.2	621.6	636.7	630.7	639.2	580.0	594.0	600.9	561.2	545.6	-2.5%	14.1%
Brazil	1.8	2.0	2.4	2.2	2.3	2.5	1.9	2.0	2.1	2.5	2.8	11.7%	0.1%
Colombia	32.5	34.9	38.4	42.6	45.4	47.8	47.3	48.3	55.8	57.9	55.6	-3.7%	1.4%
Venezuela	5.1	5.9	5.3	5.7	4.5	3.6	2.4	2.0	1.5	2.3	1.7	-25.2%	•
Other S. & Cent. America	0.5	0.2	0.3	0.6	0.3	0.4	0.5	0.4	0.4	0.6	1.9	233.0%	•
Total S. & Cent. America	39.9	43.0	46.3	51.2	52.5	54.3	52.2	52.7	59.8	63.2	62.0	-1.7%	1.6%
Bulgaria	4.5	4.4	4.1	4.2	4.7	4.8	4.5	4.9	6.1	5.5	4.7	-14.2%	0.1%
Czech Republic	24.2	23.5	23.5	23.8	23.6	22.8	21.0	20.8	21.6	20.7	18.0	-13.2%	0.5%
France	1.3	0.4	0.2	0.2	0.2	0.1	†	0.1	0.1	†	†	0.3%	•
Germany	54.1	54.7	53.2	50.3	51.5	47.7	44.4	43.7	44.6	45.7	43.0	-5.5%	1.1%
Greece	8.8	9.0	8.9	8.3	8.5	8.5	8.4	7.3	7.6	8.1	6.9	-14.4%	0.2%
Hungary	2.8	2.4	2.0	2.1	2.0	1.9	1.9	1.9	2.0	1.9	2.0	3.0%	0.1%
Kazakhstan	43.3	44.4	44.2	49.1	50.0	56.8	51.5	54.0	56.2	58.6	58.4	-0.1%	1.5%
Poland	71.4	70.5	68.7	67.0	62.3	60.5	56.4	55.5	56.6	58.8	57.6	-1.9%	1.5%
Romania	7.0	6.7	6.6	6.5	6.7	6.7	6.4	5.8	6.7	6.4	4.6	-26.9%	0.1%
Russian Federation	127.1	131.7	139.2	145.1	148.0	153.4	142.1	151.1	158.5	168.7	165.1	-1.9%	4.3%
Spain	6.8	6.7	6.4	6.1	5.7	4.1	3.8	3.4	2.5	2.4	1.6	-32.5%	•
Turkey	10.4	10.1	12.6	13.7	16.0	16.8	17.1	15.8	16.3	15.3	13.2	-13.5%	0.3%
Ukraine	41.6	42.2	41.0	41.7	39.9	41.3	38.4	39.9	44.0	45.9	45.9	0.3%	1.2%
United Kingdom	17.2	15.3	12.5	11.3	10.3	11.0	10.9	11.2	11.3	10.4	7.8	-24.5%	0.2%
Other Europe & Eurasia	19.0	18.5	17.7	18.5	20.6	21.0	20.3	20.0	21.3	20.5	21.3	4.3%	0.5%
Total Europe & Eurasia	439.5	440.5	440.7	448.0	450.2	457.5	426.9	435.3	455.4	469.0	450.2	-3.8%	11.6%
Total Middle East	0.7	0.8	1.0	1.0	1.0	1.0	0.7	0.6	0.6	0.7	0.7	0.3%	•
South Africa	134.1	137.2	137.7	138.0	139.6	142.4	141.2	145.0	141.8	145.6	144.7	-0.3%	3.7%
Zimbabwe	1.8	2.4	2.2	1.4	1.3	1.0	1.1	1.7	1.7	1.0	1.0	0.3%	•
Other Africa	1.6	1.3	1.2	1.3	1.0	1.0	0.9	1.2	1.1	1.5	1.5	0.5%	•
Total Africa	137.5	140.9	141.1	140.6	141.9	144.4	143.2	147.9	144.6	148.1	147.2	-0.3%	3.8%
Australia	189.4	196.8	205.7	210.8	217.5	224.9	232.9	239.9	232.5	251.4	269.1	7.3%	6.9%
China	917.4	1061.3	1174.8	1264.3	1345.8	1401.0	1486.5	1617.5	1758.0	1822.5	1840.0	1.2%	47.4%
India	144.4	155.7	162.1	170.2	181.0	195.6	210.8	217.5	215.7	229.1	228.8	0.1%	5.9%
Indonesia	70.3	81.4	93.9	119.2	133.4	147.8	157.6	169.2	217.3	237.4	258.9	9.4%	6.7%
Japan	0.7	0.7	0.6	0.7	0.8	0.7	0.7	0.5	0.7	0.7	0.7	-8.6%	•
New Zealand	3.2	3.3	3.3	3.6	3.0	3.0	2.8	3.3	3.1	3.0	2.8	-6.6%	0.1%
Pakistan	1.5	1.5	1.6	1.7	1.6	1.8	1.6	1.6	1.6	1.5	1.5	1.9%	•
South Korea	1.5	1.4	1.3	1.3	1.3	1.2	1.1	0.9	0.9	0.9	0.8	-13.1%	•
Thailand	5.3	5.6	5.8	5.3	5.1	5.1	4.9	5.1	6.0	5.1	5.0	-0.2%	0.1%
Vietnam	10.8	14.7	18.3	21.8	22.4	23.0	25.2	24.6	24.9	23.5	23.1	-1.4%	0.6%
Other Asia Pacific	20.3	22.1	24.9	25.3	24.0	25.8	28.8	36.9	45.8	44.9	45.0	0.7%	1.2%
Total Asia Pacific	1364.9	1544.5	1692.2	1824.2	1936.0	2029.8	2153.0	2317.2	2506.4	2620.0	2675.7	2.4%	68.9%
Total World	2572.3	2781.9	2942.9	3101.7	3212.3	3326.2	3356.0	3547.8	3767.8	3862.2	3881.4	0.8%	100.0%
of which: OECD	989.6	1013.9	1026.6	1042.4	1041.5	1050.0	988.4	1005.1	1007.5	987.3	977.8	-0.7%	25.2%
Non-OECD	1582.7	1767.9	1916.3	2059.3	2170.8	2276.2	2367.6	2542.7	2760.3	2874.9	2903.7	1.3%	74.8%
European Union	203.6	198.5	190.9	184.4	180.8	173.1	162.5	159.9	164.6	165.4	151.9	-7.9%	3.9%
Former Soviet Union	215.8	222.2	228.5	239.9	242.5	256.2	236.5	250.0	264.1	278.7	275.3	-0.9%	7.1%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal. Includes coal produced for Coal-to-Liquids and Coal-to-Gas transformations.

†Less than 0.05.

•Less than 0.05%.

Notes: Coal production data expressed in million tonnes is available at bp.com/statisticalreview

Growth rates are adjusted for leap years.

Consumption*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	562.5	566.1	574.2	565.7	573.3	564.2	496.2	525.0	495.4	436.7	455.7	4.6%	11.9%
Canada	31.7	29.8	30.9	29.9	31.3	29.6	24.4	25.0	21.8	20.5	20.3	-0.9%	0.5%
Mexico	8.1	9.2	11.0	11.7	12.2	10.1	8.7	12.1	14.3	13.3	12.4	-6.1%	0.3%
Total North America	602.3	605.1	616.0	607.3	616.7	603.8	529.3	562.1	531.4	470.5	488.4	4.1%	12.8%
Argentina	0.7	0.8	0.9	0.3	0.4	1.1	1.2	1.0	0.9	0.7	0.7	0.6%	•
Brazil	11.1	12.0	11.9	11.8	12.6	12.7	10.8	13.3	13.9	14.0	13.7	-1.8%	0.4%
Chile	2.3	2.6	2.6	3.2	3.8	4.1	3.7	4.2	5.3	6.2	7.4	19.6%	0.2%
Colombia	2.4	2.0	2.7	2.4	2.4	2.8	3.5	4.0	4.2	3.7	4.3	16.6%	0.1%
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—	—
Peru	0.7	0.7	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	5.3%	•
Trinidad & Tobago	—	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	†	—	†	†	0.1	0.1	0.2	0.2	0.2	0.2	0.2	1.0%	•
Other S. & Cent. America	2.0	1.8	1.6	1.8	1.9	2.0	1.9	2.0	2.0	2.0	2.1	1.9%	0.1%
Total S. & Cent. America	19.2	20.0	20.5	20.2	22.0	23.5	22.0	25.4	27.4	27.6	29.2	6.0%	0.8%
Austria	4.0	4.0	4.0	4.1	3.9	3.7	2.8	3.4	3.5	3.2	3.6	11.0%	0.1%
Azerbaijan	†	†	†	†	†	†	†	†	†	†	†	0.3%	•
Belarus	0.1	0.1	0.1	0.1	†	†	†	†	0.1	0.1	0.1	0.9%	•
Belgium	5.9	5.8	5.1	4.9	4.3	4.4	3.0	3.7	3.4	3.0	2.9	-0.9%	0.1%
Bulgaria	7.3	7.2	6.9	7.0	7.9	7.6	6.4	6.9	8.1	6.9	5.9	-14.6%	0.2%
Czech Republic	20.8	21.0	20.2	21.0	21.4	19.7	17.6	18.5	18.4	17.3	16.5	-4.3%	0.4%
Denmark	5.7	4.6	3.7	5.6	4.7	4.1	4.0	3.8	3.2	2.5	3.2	28.8%	0.1%
Finland	5.9	5.4	3.3	5.1	4.8	3.4	3.5	4.6	3.7	3.0	3.7	23.5%	0.1%
France	14.4	13.9	14.3	13.2	13.6	12.9	11.2	12.1	10.2	11.5	12.2	7.0%	0.3%
Germany	87.2	85.4	82.1	83.5	85.7	80.1	71.7	76.6	76.0	80.1	81.3	1.8%	2.1%
Greece	8.9	9.1	8.9	8.4	8.8	8.3	8.4	7.9	7.9	8.1	7.1	-12.3%	0.2%
Hungary	3.7	3.4	3.0	3.1	3.1	3.1	2.6	2.7	2.8	2.7	2.7	-1.1%	0.1%
Republic of Ireland	1.7	1.8	1.9	1.6	1.6	1.4	1.2	1.2	1.3	1.5	1.3	-10.5%	•
Italy	14.9	16.6	16.5	16.7	16.8	16.3	12.8	14.2	15.9	16.3	14.6	-10.3%	0.4%
Kazakhstan	25.2	26.5	27.2	29.8	31.7	33.4	32.6	31.6	34.0	36.6	36.1	-1.0%	0.9%
Lithuania	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	2.4%	•
Netherlands	8.7	8.6	8.2	7.9	8.5	8.1	7.5	7.6	7.5	8.2	8.3	1.9%	0.2%
Norway	0.7	0.8	0.7	0.6	0.7	0.7	0.5	0.6	0.7	0.7	0.7	•	•
Poland	57.7	57.3	55.7	58.0	57.9	56.0	51.9	56.4	56.1	54.3	56.1	3.6%	1.5%
Portugal	3.8	3.7	3.8	3.8	3.3	2.5	2.9	1.7	2.2	2.9	2.7	-8.4%	0.1%
Romania	7.8	7.4	7.6	8.5	7.4	7.4	6.6	6.1	7.3	6.9	5.6	-18.8%	0.1%
Russian Federation	104.0	99.5	94.2	96.7	93.4	100.4	91.9	90.2	93.7	98.1	93.5	-4.4%	2.4%
Slovakia	4.2	4.1	3.9	3.8	3.8	3.7	3.5	3.4	3.3	3.2	3.1	-2.1%	0.1%
Spain	20.1	20.9	20.6	18.4	19.7	14.0	10.6	7.9	12.3	15.1	10.3	-31.5%	0.3%
Sweden	2.2	2.3	2.2	2.3	2.2	2.0	1.6	2.3	2.0	1.5	1.7	13.2%	•
Switzerland	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	3.0%	•
Turkey	20.7	21.8	21.8	25.9	28.9	29.2	30.4	30.9	33.1	35.7	33.0	-7.5%	0.9%
Turkmenistan	—	—	—	—	—	—	—	—	—	—	—	—	—
Ukraine	40.3	39.1	37.4	39.7	39.7	41.8	35.9	38.3	41.5	42.7	42.6	•	1.1%
United Kingdom	38.1	36.6	37.4	40.9	38.4	35.6	29.9	31.0	31.5	39.1	36.5	-6.2%	1.0%
Uzbekistan	0.7	1.2	1.2	1.7	1.4	1.4	1.1	1.1	1.1	1.2	1.2	0.3%	•
Other Europe & Eurasia	23.1	23.8	22.2	19.2	20.6	21.0	19.7	21.1	23.2	21.6	21.8	1.6%	0.6%
Total Europe & Eurasia	538.1	532.2	514.6	532.0	534.6	522.6	472.2	485.9	504.1	524.3	508.7	-2.7%	13.3%
Iran	1.1	1.2	1.3	1.2	1.3	0.9	1.0	0.9	0.8	0.7	0.7	-1.7%	•
Israel	7.9	8.0	7.9	7.8	8.0	7.9	7.7	7.7	7.9	8.8	7.3	-16.1%	0.2%
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Middle East	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	-3.4%	•
Total Middle East	9.1	9.2	9.3	9.2	9.5	9.0	8.9	8.8	8.9	9.7	8.2	-14.8%	0.2%
Algeria	0.6	0.6	0.6	0.6	0.6	0.6	0.2	—	—	—	—	—	—
Egypt	1.2	1.2	1.2	1.3	1.4	1.3	1.2	1.5	1.4	1.4	1.5	2.1%	•
South Africa	81.4	85.2	84.4	85.4	90.1	96.9	92.9	91.5	88.4	88.5	88.2	•	2.3%
Other Africa	6.4	7.1	7.3	6.8	6.2	6.2	5.3	6.4	6.5	6.0	5.9	-0.6%	0.2%
Total Africa	89.5	94.2	93.5	94.1	98.2	105.0	99.6	99.4	96.3	95.9	95.6	•	2.5%
Australia	49.4	50.8	53.5	56.0	54.6	55.4	53.5	50.7	50.3	47.3	45.0	-4.7%	1.2%
Bangladesh	0.4	0.4	0.4	0.6	0.8	0.8	0.9	0.9	0.9	1.0	1.0	5.8%	•
China	868.2	1019.9	1128.3	1250.4	1320.3	1369.2	1470.7	1609.7	1760.8	1856.4	1925.3	4.0%	50.3%
China Hong Kong SAR	6.8	6.3	6.9	6.9	7.5	6.9	7.2	6.2	7.4	7.3	7.8	6.9%	0.2%
India	156.8	172.3	184.4	195.4	210.3	230.4	250.3	260.2	270.1	302.3	324.3	7.6%	8.5%
Indonesia	24.2	22.2	25.4	30.1	37.8	30.1	34.6	41.2	48.9	50.4	54.4	8.2%	1.4%
Japan	112.2	120.8	121.3	119.1	125.3	128.7	108.8	123.7	117.7	124.4	128.6	3.6%	3.4%
Malaysia	5.3	6.6	6.9	7.3	8.8	9.8	10.6	14.8	14.8	15.9	17.0	7.1%	0.4%
New Zealand	2.0	2.1	2.3	2.2	1.7	2.1	1.6	1.4	1.4	1.7	1.5	-13.0%	•
Pakistan	2.9	3.8	4.1	4.2	5.1	5.3	4.7	4.5	4.3	4.3	4.4	3.4%	0.1%
Philippines	4.7	5.0	5.7	5.5	5.9	7.0	6.7	7.7	8.3	9.4	10.5	12.4%	0.3%
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—
South Korea	51.1	53.1	54.8	54.8	59.7	66.1	68.6	75.9	83.6	81.0	81.9	1.4%	2.1%
Taiwan	35.1	36.6	38.1	39.6	41.8	40.2	38.7	40.3	41.5	41.1	41.0	•	1.1%
Thailand	9.4	10.4	11.2	12.4	14.2	15.3	15.4	15.8	16.0	16.8	16.0	-4.7%	0.4%
Vietnam	5.5	8.2	8.0	9.5	10.1	10.0	14.0	13.9	15.0	14.9	15.9	6.7%	0.4%
Other Asia Pacific	19.5	19.6	21.0	22.6	19.3	21.2	20.7	20.7	21.1	21.6	22.1	2.7%	0.6%
Total Asia Pacific	1353.5	1537.8	1672.4	1816.8	1923.1	1998.4	2106.9	2287.6	2462.1	2595.7	2696.5	4.2%	70.5%
Total World	2611.8	2798.5	2926.3	3079.5	3204.2	3262.3	3239.0	3469.1	3630.3	3723.7	3826.7	3.0%	100.0%
of which: OECD	1161.5	1174.6	1180.8	1184.3	1207.7	1182.5	1055.6	1121.7	1098.4	1055.2	1066.9	1.4%	27.9%
Non-OECD	1450.3	1624.0	1745.5	1895.2	1996.5	2079.8	2183.4	2347.5	2531.9	2668.5	2759.8	3.7%	72.1%
European Union	328.7	324.8	315.1	323.5	324.3	300.3	264.9	278.2	283.1	293.4	285.4	-2.5%	7.5%
Former Soviet Union	174.5	170.8	164.2	171.9	170.9	181.6	165.6	166.3	175.7	183.8	178.8	-2.5%	4.7%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal. Excludes coal converted to liquid or gaseous fuels, but includes coal consumed in transformation processes.

†Less than 0.05%.

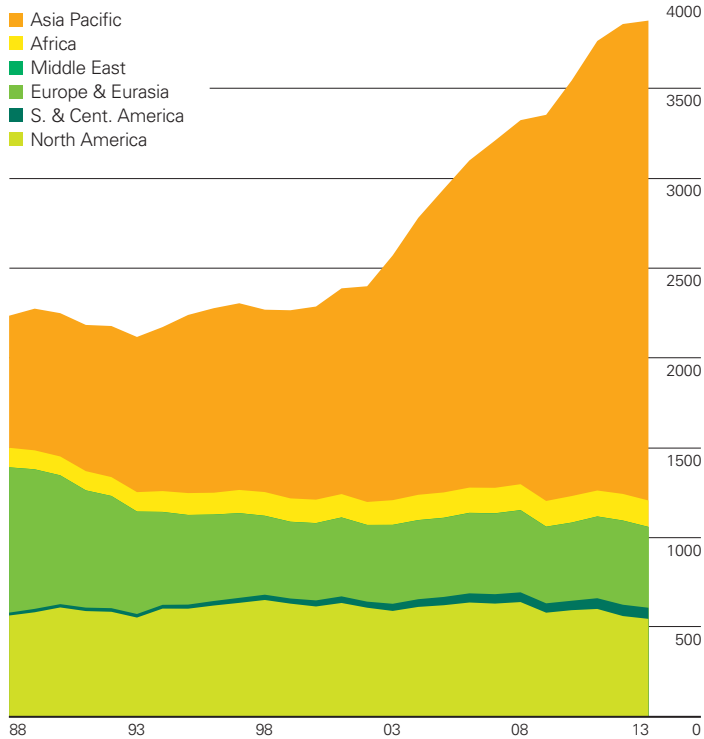
•Less than 0.05%.

Notes: Differences between these world consumption figures and the world production statistics are accounted for by stock changes, and unavoidable disparities in the definition, measurement or conversion of coal supply and demand data.

Growth rates are adjusted for leap years.

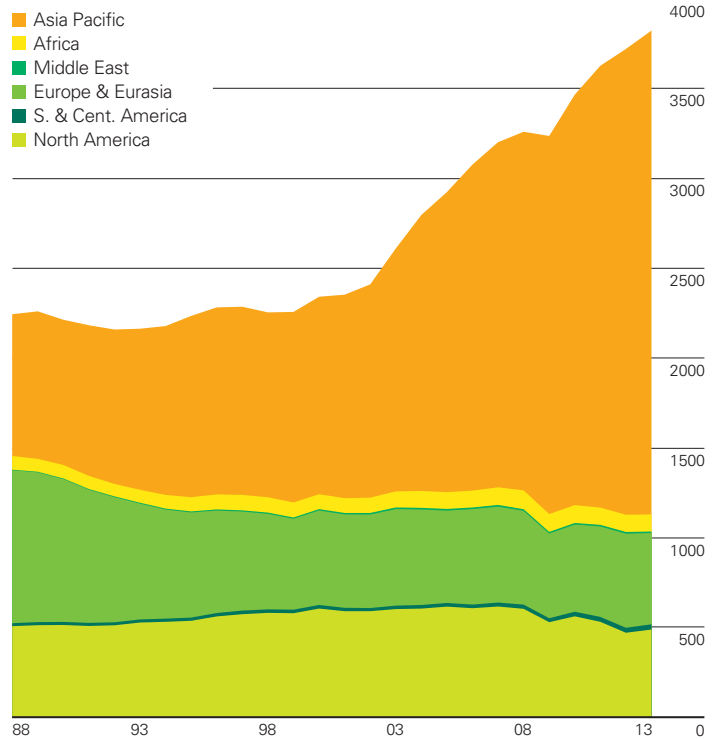
Production by region

Million tonnes oil equivalent



Consumption by region

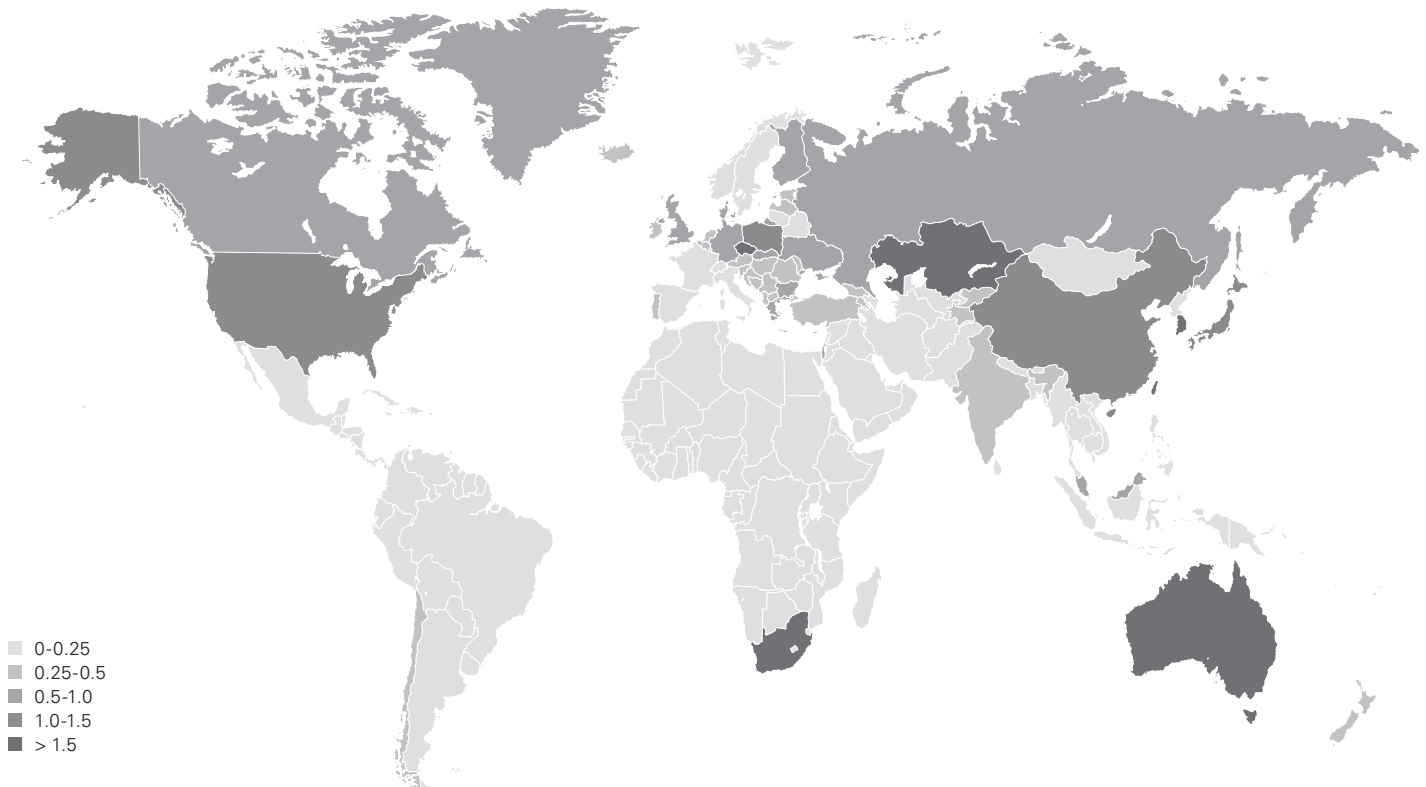
Million tonnes oil equivalent



World coal production increased by 0.8% in 2013, well below the 3% increase in global consumption. Indonesia (+9.4%) recorded the largest production increment – the first time since 1998 that China did not have the largest growth increment. Global consumption growth was below average but was once again the fastest among fossil fuels. China and India accounted for 88% of global growth.

Consumption per capita 2013

Tonnes oil equivalent



Consumption*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	181.9	187.8	186.3	187.5	192.1	192.0	190.3	192.2	188.2	183.2	187.9	2.8%	33.4%
Canada	16.8	20.3	20.7	22.0	21.0	21.1	20.3	20.3	21.4	21.7	23.1	6.9%	4.1%
Mexico	2.4	2.1	2.4	2.5	2.4	2.2	2.4	1.3	2.3	2.0	2.7	34.9%	0.5%
Total North America	201.1	210.2	209.4	212.0	215.4	215.4	213.0	213.8	211.9	206.9	213.7	-3.6%	37.9%
Argentina	1.7	1.8	1.6	1.7	1.6	1.6	1.8	1.6	1.3	1.4	1.4	-2.7%	0.2%
Brazil	3.0	2.6	2.2	3.1	2.8	3.2	2.9	3.3	3.5	3.6	3.3	-8.4%	0.6%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-
Other S. & Cent. America	-	-	-	-	-	-	-	-	-	-	-	-	-
Total S. & Cent. America	4.7	4.4	3.8	4.8	4.4	4.8	4.7	4.9	4.9	5.0	4.7	-6.8%	0.8%
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	10.7	10.7	10.8	10.6	10.9	10.3	10.7	10.8	10.9	9.1	9.6	6.1%	1.7%
Bulgaria	4.5	4.4	4.2	4.4	3.3	3.6	3.5	3.5	3.7	3.6	3.2	-10.0%	0.6%
Czech Republic	5.9	6.0	5.6	5.9	5.9	6.0	6.2	6.3	6.4	6.9	7.0	1.7%	1.2%
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-
Finland	5.2	5.2	5.3	5.2	5.4	5.3	5.4	5.2	5.3	5.3	5.4	3.2%	1.0%
France	99.8	101.7	102.4	102.1	99.7	99.6	92.8	96.9	100.0	96.3	95.9	-0.1%	17.0%
Germany	37.4	37.8	36.9	37.9	31.8	33.7	30.5	31.8	24.4	22.5	22.0	-1.9%	3.9%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	2.5	2.7	3.1	3.0	3.3	3.4	3.5	3.6	3.5	3.6	3.5	-2.4%	0.6%
Republic of Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	3.5	3.4	2.3	2.0	2.2	2.2	2.5	-	-	-	-	-	-
Netherlands	0.9	0.9	0.9	0.8	1.0	0.9	1.0	0.9	0.9	0.9	0.6	-30.6%	0.1%
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	1.1	1.3	1.3	1.3	1.7	2.5	2.7	2.6	2.7	2.6	2.6	1.6%	0.5%
Russian Federation	33.6	32.7	33.4	35.4	36.2	36.9	37.0	38.6	39.1	40.2	39.1	-2.3%	6.9%
Slovakia	4.0	3.9	4.0	4.1	3.5	3.8	3.2	3.3	3.5	3.5	3.6	1.7%	0.6%
Spain	14.0	14.4	13.0	13.6	12.5	13.3	11.9	14.0	13.1	13.9	12.8	-7.5%	2.3%
Sweden	15.3	17.3	16.4	15.2	15.2	14.5	11.9	13.2	13.8	14.6	15.1	3.9%	2.7%
Switzerland	6.2	6.1	5.2	6.3	6.3	6.2	6.2	6.0	6.1	5.8	5.9	2.4%	1.1%
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	18.4	19.7	20.1	20.4	20.9	20.3	18.8	20.2	20.4	20.4	18.8	-7.4%	3.3%
United Kingdom	20.1	18.1	18.5	17.1	14.3	11.9	15.6	14.1	15.6	15.9	16.0	0.6%	2.8%
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Europe & Eurasia	1.6	1.8	1.9	1.9	1.9	2.0	1.9	1.8	2.0	1.8	1.7	-2.0%	0.3%
Total Europe & Eurasia	284.8	287.9	285.4	287.0	275.9	276.5	265.1	272.9	271.5	266.7	263.0	-1.1%	46.7%
Iran	-	-	-	-	-	-	-	-	†	0.3	0.9	193.9%	0.2%
Israel	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	-	-	-	-	-	-	-	-	†	0.3	0.9	193.9%	0.2%
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	3.0	3.2	2.7	2.4	2.7	3.1	3.1	2.9	3.2	2.8	3.1	10.4%	0.6%
Other Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	3.0	3.2	2.7	2.4	2.7	3.1	3.1	2.9	3.2	2.8	3.1	10.4%	0.6%
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-
China	9.8	11.4	12.0	12.4	14.1	15.5	15.9	16.7	19.5	22.0	25.0	13.9%	4.4%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-
India	4.1	3.8	4.0	4.0	4.0	3.4	3.8	5.2	7.3	7.5	7.5	0.8%	1.3%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	52.1	64.7	66.3	69.0	63.1	57.0	65.0	66.2	36.9	4.1	3.3	-18.6%	0.6%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	0.4	0.5	0.6	0.6	0.6	0.4	0.6	0.6	0.9	1.3	1.1	-16.2%	0.2%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	29.3	29.6	33.2	33.7	32.3	34.2	33.4	33.6	35.0	34.0	31.4	-7.4%	5.6%
Taiwan	8.8	8.9	9.0	9.0	9.2	9.2	9.4	9.4	9.5	9.1	9.4	3.3%	1.7%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	104.6	119.0	125.2	128.7	123.3	119.7	128.2	131.7	109.1	78.1	77.8	-0.1%	13.8%
Total World	598.3	624.7	626.4	634.9	621.7	619.4	614.0	626.2	600.7	559.9	563.2	0.9%	100.0%
of which: OECD	505.7	530.4	532.4	537.6	521.8	516.8	511.6	521.1	488.9	444.5	447.0	0.9%	79.4%
Non-OECD	92.6	94.3	94.0	97.3	99.9	102.6	102.4	105.1	111.8	115.4	116.1	0.9%	20.6%
European Union	226.0	228.9	226.0	224.3	211.9	212.5	202.5	207.6	205.3	199.9	198.5	-0.4%	35.3%
Former Soviet Union	56.0	56.4	56.4	58.4	60.0	60.0	58.8	59.3	60.1	61.1	58.5	-4.0%	10.4%

*Based on gross generation and not accounting for cross-border electricity supply. Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.
†Less than 0.05.

Notes: Nuclear energy data expressed in terawatt-hours is available at bp.com/statisticalreview

Growth rates are adjusted for leap years.

Consumption*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	63.0	61.3	61.8	66.1	56.6	58.2	62.5	59.5	73.0	63.1	61.5	-2.3%	7.2%
Canada	76.1	76.6	82.1	80.2	83.6	85.2	82.9	79.4	85.2	86.0	88.6	3.3%	10.4%
Mexico	4.5	5.7	6.2	6.9	6.1	8.8	6.0	8.3	8.1	7.1	6.2	-11.9%	0.7%
Total North America	143.6	143.6	150.1	153.2	146.3	152.2	151.4	147.2	166.3	156.2	156.3	0.3%	18.3%
Argentina	8.8	8.0	9.0	9.8	8.5	8.4	9.2	9.2	9.0	8.4	9.2	10.3%	1.1%
Brazil	69.2	72.6	76.4	78.9	84.6	83.6	88.5	91.2	96.9	94.0	87.2	-7.0%	10.2%
Chile	5.6	4.9	6.0	7.0	5.2	5.7	5.9	5.0	4.7	4.6	4.4	-2.8%	0.5%
Colombia	8.2	8.7	8.9	9.2	9.5	9.9	9.3	9.1	10.9	10.8	10.0	-6.6%	1.2%
Ecuador	1.6	1.6	1.5	1.6	2.0	2.5	2.1	2.0	2.5	2.8	2.5	-9.5%	0.3%
Peru	4.2	4.0	4.1	4.4	4.4	4.3	4.5	4.5	4.9	5.0	4.8	-4.0%	0.6%
Trinidad & Tobago	—	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	13.7	15.9	17.4	18.4	18.8	19.6	19.4	17.3	18.8	18.5	19.0	2.8%	2.2%
Other S. & Cent. America	18.1	17.7	18.3	18.4	19.4	19.4	19.2	20.3	20.3	20.4	20.9	3.2%	2.4%
Total S. & Cent. America	129.4	133.4	141.6	147.8	152.4	153.5	158.1	158.7	168.1	164.3	158.1	-3.5%	18.5%
Austria	7.5	8.3	8.3	8.1	8.4	8.7	9.2	8.7	7.7	9.9	8.4	-14.9%	1.0%
Azerbaijan	0.6	0.6	0.7	0.6	0.5	0.5	0.5	0.8	0.6	0.4	0.3	-18.0%	•
Belarus	†	†	†	†	†	†	†	†	†	†	†	-15.8%	•
Belgium	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	†	0.1	0.1	2.0%	•
Bulgaria	0.7	0.7	1.0	0.9	0.7	0.7	0.8	1.1	0.7	0.7	0.9	26.6%	0.1%
Czech Republic	0.4	0.6	0.7	0.7	0.6	0.5	0.7	0.8	0.6	0.7	0.9	27.2%	0.1%
Denmark	†	†	†	†	†	†	†	†	†	†	†	-22.9%	•
Finland	2.1	3.4	3.1	2.6	3.2	3.9	2.9	2.9	2.8	3.8	2.9	-23.5%	0.3%
France	13.5	13.5	11.8	12.7	13.2	13.6	13.0	14.3	10.3	13.1	15.5	18.6%	1.8%
Germany	4.0	4.5	4.4	4.5	4.8	4.6	4.3	4.8	4.0	4.9	4.6	-5.7%	0.5%
Greece	1.2	1.2	1.3	1.5	0.8	0.9	1.3	1.7	1.0	1.0	1.5	40.5%	0.2%
Hungary	†	†	†	†	†	†	0.1	†	0.1	†	†	0.3%	•
Republic of Ireland	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	-27.3%	•
Italy	8.3	9.6	8.2	8.4	7.4	9.4	11.1	11.6	10.4	9.5	11.6	23.3%	1.4%
Kazakhstan	2.0	1.8	1.8	1.8	1.8	1.7	1.6	1.8	1.8	1.8	1.8	1.8%	0.2%
Lithuania	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	22.6%	•
Netherlands	†	†	†	†	†	†	†	†	†	†	†	8.8%	•
Norway	24.0	24.7	30.9	27.1	30.6	31.8	28.8	26.7	27.6	32.3	29.2	-9.5%	3.4%
Poland	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.5	0.5	0.6	20.1%	0.1%
Portugal	3.6	2.2	1.0	2.5	2.3	1.5	1.8	3.6	2.5	1.2	3.1	150.3%	0.4%
Romania	3.0	3.7	4.6	4.2	3.6	3.9	3.6	4.6	3.4	2.8	3.4	24.2%	0.4%
Russian Federation	35.7	40.2	39.5	39.6	40.5	37.7	39.9	38.1	37.3	37.3	41.0	10.2%	4.8%
Slovakia	0.8	1.0	1.1	1.0	1.0	1.0	1.0	1.3	0.9	1.0	1.2	15.8%	0.1%
Spain	9.3	7.2	4.0	5.8	6.2	5.3	6.0	9.6	6.9	4.6	8.3	79.5%	1.0%
Sweden	12.1	13.7	16.5	14.0	15.0	15.7	14.9	15.1	15.1	17.8	13.9	-21.8%	1.6%
Switzerland	7.9	7.6	7.1	7.0	8.0	8.2	8.1	8.2	7.2	8.6	8.6	0.1%	1.0%
Turkey	8.0	10.4	9.0	10.0	8.1	7.5	8.1	11.7	11.8	13.1	13.4	2.7%	1.6%
Turkmenistan	†	†	†	†	†	†	†	†	†	†	†	•	•
Ukraine	2.1	2.7	2.8	2.9	2.3	2.6	2.7	2.9	2.4	2.4	3.1	32.8%	0.4%
United Kingdom	0.7	1.1	1.1	1.0	1.1	1.2	1.2	0.8	1.3	1.2	1.1	-10.4%	0.1%
Uzbekistan	1.7	1.6	1.4	1.4	1.4	2.6	2.1	2.3	2.3	2.3	2.6	13.8%	0.3%
Other Europe & Eurasia	17.7	18.9	19.1	18.4	17.7	18.5	20.2	23.4	19.4	19.9	23.0	16.2%	2.7%
Total Europe & Eurasia	168.0	180.2	180.1	177.5	180.1	182.8	184.6	197.7	179.0	191.2	201.3	5.5%	23.5%
Iran	2.2	2.7	3.0	4.2	4.1	1.7	1.5	2.2	2.4	2.7	3.4	22.8%	0.4%
Israel	†	†	†	†	†	†	†	†	†	†	†	•	•
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Middle East	1.0	1.3	2.2	2.5	2.2	1.5	1.3	1.9	1.9	2.1	2.3	10.9%	0.3%
Total Middle East	3.2	4.0	5.1	6.6	6.3	3.2	2.8	4.0	4.3	4.9	5.7	17.6%	0.7%
Algeria	0.1	0.1	0.1	†	0.1	0.1	0.1	†	0.1	0.1	†	-74.5%	•
Egypt	2.9	2.9	2.9	2.9	3.5	3.3	2.9	3.0	2.9	3.2	2.9	-7.9%	0.3%
South Africa	0.2	0.2	0.3	0.7	0.2	0.3	0.3	0.5	0.5	0.3	0.3	-2.7%	•
Other Africa	14.9	16.5	17.2	18.2	17.8	18.3	19.1	21.0	20.6	21.9	22.5	2.9%	2.6%
Total Africa	18.1	19.6	20.5	21.8	21.5	22.0	22.4	24.5	24.1	25.5	25.7	1.2%	3.0%
Australia	3.7	3.6	3.6	3.6	3.3	2.7	2.5	3.8	3.2	3.9	4.5	18.1%	0.5%
Bangladesh	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	4.2%	•
China	64.2	80.0	89.8	98.6	109.8	132.4	139.3	163.4	158.2	197.3	206.3	4.8%	24.1%
China Hong Kong SAR	—	—	—	—	—	—	—	—	—	—	—	—	—
India	15.7	19.0	22.0	25.4	27.7	26.0	24.0	25.0	29.8	26.2	29.8	14.3%	3.5%
Indonesia	2.1	2.2	2.4	2.2	2.6	2.6	2.6	3.9	2.8	2.9	3.5	23.9%	0.4%
Japan	21.1	21.1	17.9	20.4	17.5	17.5	16.4	20.6	19.3	18.3	18.6	1.8%	2.2%
Malaysia	1.3	1.3	1.2	1.6	1.5	2.0	1.6	1.6	1.9	2.1	2.1	-2.2%	0.2%
New Zealand	5.3	6.1	5.3	5.3	5.3	5.1	5.5	5.6	5.7	5.2	5.2	0.9%	0.6%
Pakistan	5.8	5.5	6.9	6.8	7.1	6.1	6.4	6.7	6.9	6.4	7.4	15.6%	0.9%
Philippines	1.8	1.9	1.9	2.2	1.9	2.2	2.2	1.8	2.2	2.3	2.2	-5.7%	0.3%
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—
South Korea	1.1	1.0	0.8	0.8	0.8	0.7	0.6	0.8	1.0	1.1	1.3	16.8%	0.2%
Taiwan	0.7	0.7	0.9	0.9	1.0	0.9	0.8	0.9	0.9	1.2	1.2	-4.1%	0.1%
Thailand	1.7	1.4	1.3	1.8	1.8	1.6	1.6	1.3	1.8	2.0	1.3	-35.6%	0.1%
Vietnam	4.3	4.3	3.7	4.5	5.1	5.9	6.8	6.2	9.3	11.9	12.2	2.7%	1.4%
Other Asia Pacific	6.0	6.1	6.5	7.3	7.9	8.4	8.0	10.0	11.1	10.4	12.8	23.4%	1.5%
Total Asia Pacific	134.9	154.2	164.4	181.7	193.6	214.4	218.5	251.8	254.1	291.5	308.7	6.2%	36.1%
Total World	597.2	635.1	661.8	688.7	700.3	728.1	737.8	783.9	795.8	833.6	855.8	2.9%	100.0%
of which: OECD	287.3	292.6	295.3	300.6	292.6	302.3	299.5	309.5	314.9	316.6	319.3	1.1%	37.3%
Non-OECD	309.9	342.4	366.5	388.2	407.7	425.8	438.3	474.4	481.0	517.0	536.5	4.0%	62.7%
European Union	70.7	74.8	70.9	71.6	71.5	74.6	76.3	85.7	71.2	76.1	81.9	8.0%	9.6%
Former Soviet Union	51.2	56.2	55.8	55.5	56.4	53.9	55.6	55.8	54.5	54.5	59.3	9.2%	6.9%

*Based on gross primary generation and not accounting for cross-border electricity supply. Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.

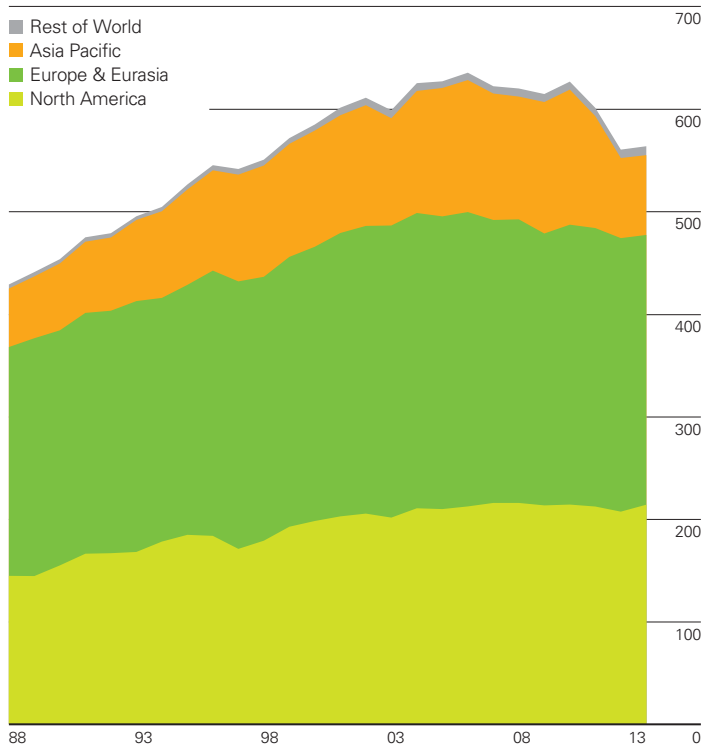
†Less than 0.05.

•Less than 0.05%.

Notes: Hydroelectricity data expressed in terawatt-hours is available at bp.com/statisticalreview
Growth rates are adjusted for leap years.

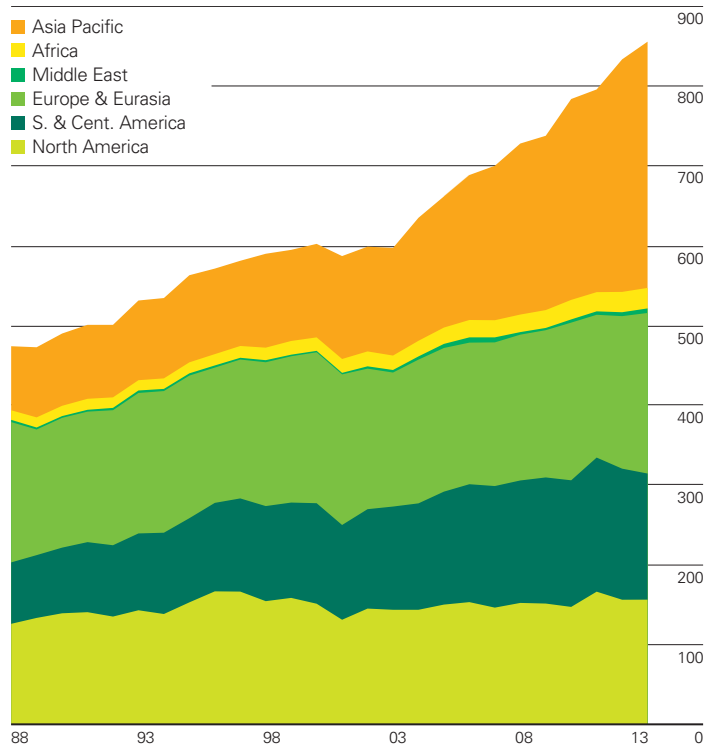
Nuclear energy consumption by region

Million tonnes oil equivalent



Hydroelectricity consumption by region

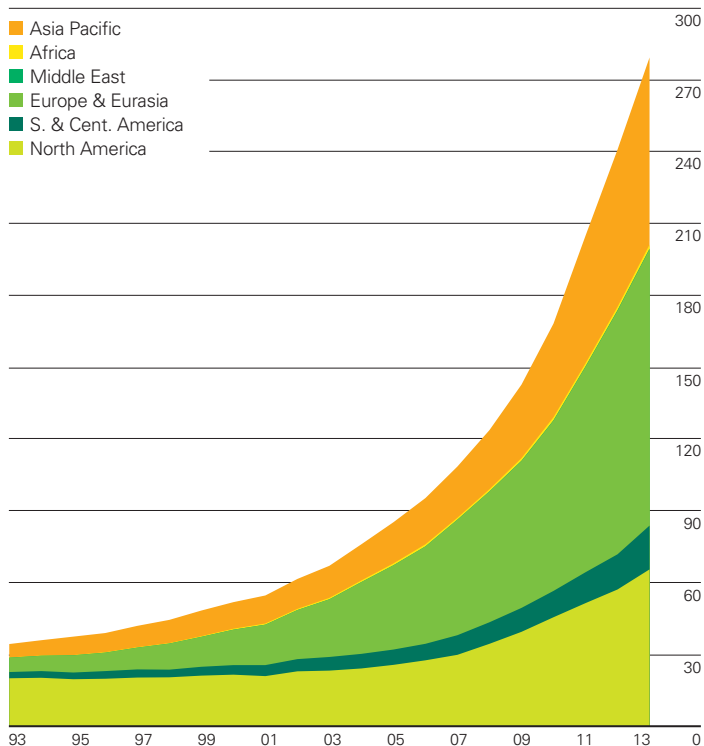
Million tonnes oil equivalent



World nuclear power generation increased by 0.9%, the first increase since 2010. Gains in the US, China, and Canada more than offset declines in South Korea, Ukraine, Spain and Russia. Global hydroelectric output grew by a below-average 2.9%. Growth in China, Russia, Spain and India was partly offset by large declines in Brazil and the Nordic countries.

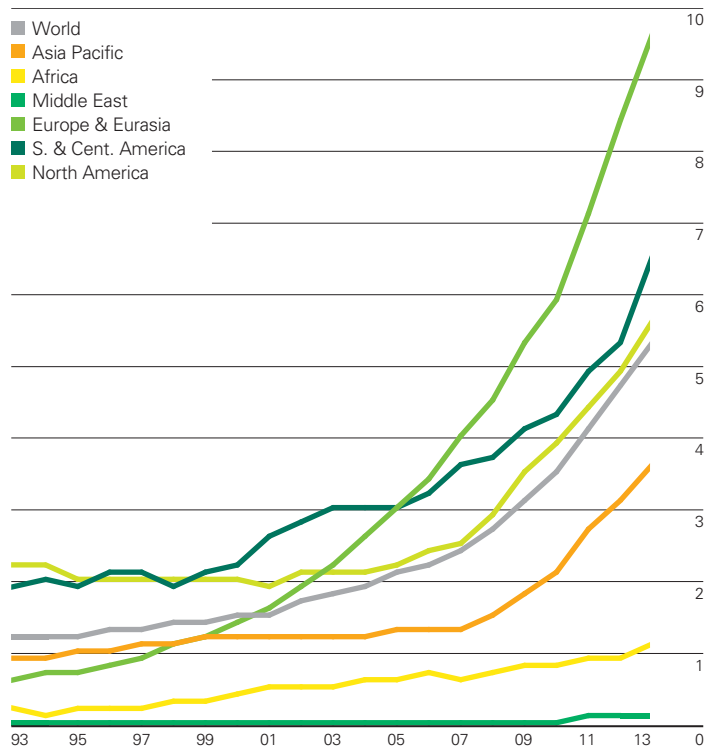
Other renewables consumption by region

Million tonnes oil equivalent



Other renewables share of power generation by region

Percentage



Renewable energy in power generation grew by an above-average 16.3% in 2013. Europe & Eurasia once again contributed the largest growth increment, even though growth in Europe's leading players – Germany, Spain, and Italy – was below average. China contributed the largest national increment. Renewable energy accounted for more than 5% of global electricity production for the first time, and 15% of EU power generation.

Other renewables consumption*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	18.8	19.6	20.6	22.7	24.7	29.5	33.6	38.9	45.0	50.6	58.6	16.2%	21.0%
Canada	2.3	2.3	2.5	2.6	2.7	2.6	3.4	4.1	3.9	4.2	4.3	3.4%	1.5%
Mexico	2.0	2.1	2.4	2.1	2.3	2.2	2.3	2.4	2.4	2.3	2.5	10.3%	0.9%
Total North America	23.1	24.0	25.5	27.4	29.7	34.3	39.3	45.4	51.3	57.0	65.4	15.0%	23.4%
Argentina	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.5	0.5	0.6	0.7	3.9%	0.2%
Brazil	3.5	3.7	4.2	4.3	5.0	5.5	5.9	7.3	9.0	10.0	13.2	32.2%	4.7%
Chile	0.4	0.5	0.4	0.3	0.6	0.7	1.0	0.6	0.9	1.2	1.4	20.9%	0.5%
Colombia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4%	0.1%
Ecuador	—	†	†	†	†	†	†	†	0.1	0.1	0.1	18.8%	0.1%
Peru	0.1	†	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	20.2%	0.1%
Trinidad & Tobago	†	†	†	†	†	†	†	†	†	†	†	—	—
Venezuela	—	—	—	—	—	—	—	†	†	†	†	48.6%	—
Other S. & Cent. America	1.4	1.4	1.3	1.3	1.5	1.7	2.1	2.1	2.1	2.4	2.5	3.2%	0.9%
Total S. & Cent. America	5.7	6.1	6.4	6.9	8.2	9.0	10.0	11.0	12.9	14.7	18.3	24.7%	6.5%
Austria	0.5	0.7	0.9	1.2	1.4	1.4	1.4	1.5	1.5	1.7	1.9	12.6%	0.7%
Azerbaijan	—	—	—	—	—	—	†	†	—	—	—	—	—
Belarus	—	†	†	†	†	†	†	0.1	0.1	0.1	0.1	—	—
Belgium	0.4	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.2	2.5	2.8	14.1%	1.0%
Bulgaria	—	†	†	†	†	†	0.1	0.2	0.2	0.5	0.6	32.8%	0.2%
Czech Republic	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.7	1.2	1.3	1.5	11.3%	0.5%
Denmark	1.8	2.2	2.2	2.1	2.3	2.3	2.3	2.8	3.2	3.4	3.7	8.8%	1.3%
Finland	2.1	2.4	2.2	2.5	2.3	2.4	2.0	2.5	2.6	2.6	2.7	2.5%	1.0%
France	0.9	1.0	1.1	1.4	1.9	2.3	2.8	3.4	4.3	5.5	5.9	8.4%	2.1%
Germany	6.3	8.3	9.7	11.7	15.2	16.5	17.2	19.0	24.0	27.5	29.7	8.1%	10.6%
Greece	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.9	1.3	1.4	8.8%	0.5%
Hungary	†	0.2	0.4	0.3	0.3	0.5	0.6	0.6	0.6	0.6	0.5	-2.1%	0.2%
Republic of Ireland	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	1.1	1.0	1.1	12.3%	0.4%
Italy	2.6	2.9	3.1	3.5	3.8	4.1	4.6	5.8	8.4	11.4	13.0	14.3%	4.6%
Kazakhstan	—	—	—	†	†	†	†	†	†	†	†	—	—
Lithuania	†	†	†	†	†	†	0.1	0.1	0.1	0.2	0.2	22.4%	0.1%
Netherlands	0.9	1.2	1.7	1.8	1.7	2.1	2.4	2.5	2.8	2.8	3.0	7.9%	1.1%
Norway	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	16.6%	0.2%
Poland	0.1	0.2	0.4	0.5	0.7	1.0	1.4	1.8	2.4	3.4	4.2	25.5%	1.5%
Portugal	0.5	0.6	0.8	1.1	1.4	1.8	2.3	2.8	2.8	3.1	3.6	16.0%	1.3%
Romania	†	†	†	†	†	†	†	0.1	0.3	0.6	1.1	75.7%	0.4%
Russian Federation	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.5%	—
Slovakia	†	†	†	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	2.1%	0.1%
Spain	3.6	4.4	5.6	6.2	7.2	8.7	10.7	12.5	12.6	15.0	16.8	12.0%	6.0%
Sweden	1.2	1.8	1.9	2.1	2.5	2.8	3.1	3.5	4.0	4.4	5.0	14.3%	1.8%
Switzerland	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	11.0%	0.2%
Turkey	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.9	1.3	1.7	2.2	30.2%	0.8%
Turkmenistan	—	—	—	—	—	—	—	—	—	—	—	—	—
Ukraine	†	†	†	†	†	†	†	†	†	0.1	0.3	89.6%	0.1%
United Kingdom	1.7	2.1	2.7	3.1	3.3	3.8	4.5	5.0	6.6	8.1	10.9	34.1%	3.9%
Uzbekistan	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Europe & Eurasia	0.4	0.4	0.5	0.7	1.0	1.1	1.2	1.3	1.4	1.7	1.8	6.5%	0.6%
Total Europe & Eurasia	24.1	30.0	35.2	40.7	48.3	54.7	61.4	71.2	85.9	101.8	115.5	13.7%	41.3%
Iran	—	†	†	†	†	†	0.1	†	0.1	0.1	0.1	—	—
Israel	†	†	†	†	†	†	†	†	0.1	0.1	0.1	41.4%	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	†	†	†	†	†	—	—
Other Middle East	†	†	†	†	†	†	†	†	†	†	†	8.8%	—
Total Middle East	†	†	†	†	†	†	0.1	0.1	0.1	0.2	0.2	24.0%	0.1%
Algeria	—	—	—	—	—	—	—	—	†	0.1	0.1	-0.2%	—
Egypt	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	14.4%	0.1%
South Africa	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	—	—
Other Africa	0.5	0.5	0.6	0.7	0.6	0.6	0.8	0.9	0.9	0.9	1.2	24.6%	0.4%
Total Africa	0.6	0.7	0.8	0.9	0.8	0.9	1.1	1.3	1.3	1.4	1.7	19.8%	0.6%
Australia	0.6	0.8	1.2	1.4	1.6	1.7	1.7	1.9	2.1	2.8	3.4	21.7%	1.2%
Bangladesh	†	†	†	†	†	†	†	†	†	†	†	35.1%	—
China	0.8	0.9	1.1	1.5	1.9	3.6	6.9	13.1	24.7	33.5	42.9	28.3%	15.4%
China Hong Kong SAR	—	—	—	†	†	†	†	†	†	†	†	2.4%	—
India	1.2	1.9	2.3	3.3	4.0	4.8	6.3	7.6	9.2	10.9	11.7	8.3%	4.2%
Indonesia	1.4	1.5	1.5	1.5	1.6	1.9	2.1	2.1	2.2	2.2	2.3	5.3%	0.8%
Japan	5.2	5.4	6.5	6.6	6.9	6.8	6.8	7.2	7.5	8.2	9.4	15.9%	3.4%
Malaysia	—	—	—	—	†	†	0.3	0.3	0.3	0.3	0.3	—	0.1%
New Zealand	0.7	0.8	1.0	1.0	1.1	1.3	1.6	1.8	2.0	2.0	2.0	2.2%	0.7%
Pakistan	—	—	—	—	—	—	†	†	†	†	†	—	—
Philippines	2.1	2.3	2.2	2.4	2.3	2.4	2.4	2.3	2.3	2.4	2.4	-0.7%	0.8%
Singapore	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	—	0.1%
South Korea	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.8	1.0	18.1%	0.4%
Taiwan	0.7	0.7	0.7	0.8	0.9	0.9	0.9	1.0	1.2	1.2	1.2	5.6%	0.4%
Thailand	0.3	0.3	0.4	0.3	0.4	0.6	0.7	0.8	0.8	0.9	1.0	10.5%	0.3%
Vietnam	—	—	†	†	†	†	†	†	†	†	†	—	—
Other Asia Pacific	†	†	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.1%	—
Total Asia Pacific	13.4	15.1	17.2	19.3	21.4	24.7	30.7	39.1	53.3	65.7	78.2	19.4%	28.0%
Total World	66.9	76.0	85.1	95.3	108.4	123.7	142.5	168.0	204.9	240.8	279.3	16.3%	100.0%
of which: OECD	54.1	61.6	69.7	77.5	88.3	99.6	112.0	128.1	149.4	172.1	195.6	14.0%	70.0%
Non-OECD	12.8	14.4	15.4	17.9	20.1	24.1	30.5	39.9	55.5	68.7	83.7	22.1%	30.0%
European Union	23.2	29.1	34.2	39.4	46.6	52.8	59.1	68.5	82.5	97.7	110.6	13.5%	39.6%
Former Soviet Union	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.7	0.9	27.4%	0.3%

*Based on gross generation from renewable sources including, wind, geothermal, solar, biomass and waste, and not accounting for cross-border electricity supply. Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.

†Less than 0.05%.

•Less than 0.05%.

Notes: Other renewables data expressed in terawatt-hours is available at bp.com/statisticalreview
Growth rates are adjusted for leap years.

Biofuels production

Thousand tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	5226	6374	7478	9746	13456	19149	21697	25568	28518	27270	28440	4.6%	43.5%
Canada	113	114	133	160	461	501	721	746	875	998	1011	1.6%	1.5%
Mexico	–	–	–	–	4	4	4	13	12	14	53	276.9%	0.1%
Total North America	5339	6488	7612	9906	13922	19654	22422	26327	29405	28282	29505	4.6%	45.1%
Argentina	9	9	9	29	272	632	1048	1656	2218	2283	1884	-17.3%	2.9%
Brazil	7068	7154	7835	8729	11323	14093	13962	15575	13197	13547	15783	16.8%	24.2%
Colombia	–	–	14	131	141	143	295	428	536	616	634	3.3%	1.0%
Other S. & Cent. America	151	148	235	515	610	787	606	314	457	458	457	♦	0.7%
Total S. & Cent. America	7227	7311	8093	9405	12347	15655	15911	17973	16408	16904	18757	11.3%	28.7%
Austria	26	48	70	105	220	263	354	375	370	370	378	2.5%	0.6%
Belgium	–	–	1	21	140	278	473	536	611	476	660	39.0%	1.0%
Finland	–	1	6	11	51	96	267	363	363	363	363	0.3%	0.6%
France	368	387	439	665	1121	2012	2312	2269	1859	2071	1936	-6.2%	3.0%
Germany	613	890	1525	2488	3181	2720	2728	2888	2825	2888	2615	-9.2%	4.0%
Italy	232	272	340	585	443	617	758	670	456	292	292	0.3%	0.4%
Netherlands	–	6	3	22	80	77	241	385	627	1255	1182	-5.6%	1.8%
Poland	28	6	109	144	96	278	393	421	398	631	664	5.6%	1.0%
Portugal	–	–	1	70	153	145	202	275	293	338	208	-38.3%	0.3%
Spain	173	210	282	251	352	359	958	1267	809	586	674	15.4%	1.0%
Sweden	32	43	48	81	139	171	238	214	212	244	271	11.3%	0.4%
United Kingdom	9	9	39	219	359	276	180	304	253	299	449	50.5%	0.7%
Other Europe & Eurasia	138	165	293	395	491	931	1175	1231	1241	1320	1295	-1.6%	2.0%
Total Europe & Eurasia	1619	2037	3157	5058	6826	8223	10280	11200	10318	11133	10988	-1.0%	16.8%
Total Middle East	–	–	–	–	–	–	–	4	4	4	4	–	♦
Total Africa	6	6	6	6	6	11	15	30	23	23	23	–	♦
Australia	–	4	20	54	70	111	174	238	335	409	416	1.8%	0.6%
China	396	493	622	846	901	1096	1124	1441	1597	1729	1680	-2.6%	2.6%
India	94	99	114	134	136	155	174	155	192	227	321	42.2%	0.5%
Indonesia	–	–	9	44	216	528	464	718	1104	1388	1608	16.2%	2.5%
South Korea	2	4	9	39	74	141	343	491	308	272	302	11.4%	0.5%
Thailand	–	3	52	80	138	494	618	661	721	994	1251	26.2%	1.9%
Other Asia Pacific	–	–	10	106	196	385	422	317	267	387	492	27.6%	0.8%
Total Asia Pacific	491	604	834	1304	1732	2910	3320	4021	4525	5406	6071	12.6%	9.3%
Total World	14682	16446	19701	25678	34832	46453	51949	59555	60684	61752	65348	6.1%	100.0%
of which: OECD	6960	8522	10779	15021	20780	27899	32897	37946	40014	39737	40813	3.0%	62.5%
Non-OECD	7722	7924	8922	10657	14052	18553	19051	21609	20670	22015	24535	11.7%	37.5%
European Union	1619	2028	3133	5007	6748	8077	10096	11051	10173	10925	10747	-1.4%	16.4%
Former Soviet Union	–	11	22	28	50	130	210	182	159	184	193	5.4%	0.3%

♦Less than 0.05%.

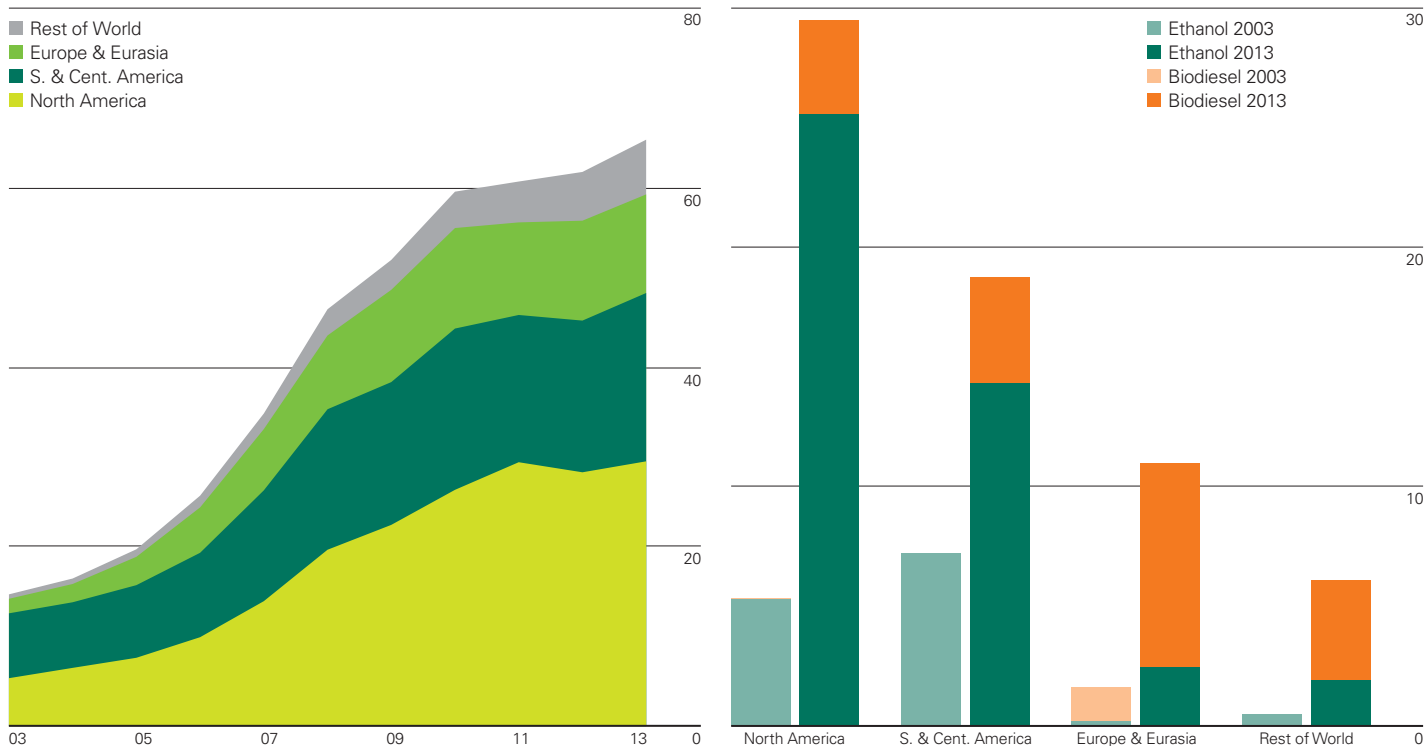
Source: Includes data from F.O. Lichts; US Energy Information Administration.

Notes: Consumption of fuel ethanol and biodiesel is included in oil consumption tables.

Growth rates are adjusted for leap years.

World biofuels production

Million tonnes oil equivalent



World biofuels production increased by 6.1% in 2013. Increased biofuels output in North America, South and Central America and Asia Pacific outweighed declines in Europe and Eurasia. Global ethanol production increased 6.1%, the first increase in two years. Biodiesel production increased 6.2%, despite declines in South and Central America and Europe and Eurasia.

① Primary energy

Consumption*

Million tonnes oil equivalent	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 share of total
US	2302.3	2349.1	2351.3	2333.1	2371.7	2320.1	2205.9	2284.9	2265.4	2208.0	2265.8	2.9%	17.8%
Canada	312.1	315.5	324.1	321.4	327.5	326.1	311.5	315.6	328.1	326.9	332.9	2.1%	2.6%
Mexico	148.2	156.4	167.8	172.7	172.1	174.6	173.0	177.9	186.2	188.5	188.0	♦	1.5%
Total North America	2762.7	2821.0	2843.2	2827.2	2871.3	2820.8	2690.4	2778.4	2779.7	2723.4	2786.7	2.6%	21.9%
Argentina	61.1	64.4	68.8	71.8	74.7	76.6	75.8	78.1	79.8	82.2	84.5	3.2%	0.7%
Brazil	189.7	199.9	206.5	212.4	225.9	236.0	235.2	257.4	269.3	276.0	284.0	3.2%	2.2%
Chile	26.1	27.3	28.3	30.8	30.8	30.6	30.9	30.0	32.6	34.0	34.6	2.1%	0.3%
Colombia	26.2	26.7	28.2	28.8	29.4	30.3	31.8	33.0	35.7	36.8	38.0	3.4%	0.3%
Ecuador	8.9	9.2	9.7	10.3	10.9	11.6	11.5	12.8	13.6	14.3	14.7	2.7%	0.1%
Peru	12.0	12.8	13.4	13.6	14.9	16.2	16.6	18.9	20.6	21.6	21.8	1.0%	0.2%
Trinidad & Tobago	13.2	14.5	15.9	20.5	21.4	21.0	21.7	22.8	22.5	21.7	22.0	1.5%	0.2%
Venezuela	60.5	67.5	70.4	76.3	81.1	84.4	82.9	75.8	77.7	79.9	82.9	4.0%	0.7%
Other S. & Cent. America	84.9	85.1	84.5	86.2	88.5	86.1	85.7	87.6	88.7	90.3	91.0	1.0%	0.7%
Total S. & Cent. America	482.6	507.3	525.9	550.7	577.6	592.9	592.0	616.4	640.5	656.9	673.5	2.8%	5.3%
Austria	34.7	35.4	36.2	36.0	35.1	35.8	34.7	36.0	33.7	35.4	34.0	-3.7%	0.7%
Azerbaijan	11.8	12.6	13.8	13.6	12.3	12.3	10.9	10.7	11.9	12.3	12.7	3.7%	0.1%
Belarus	22.5	24.4	24.2	26.0	25.1	25.3	23.9	25.4	25.2	25.2	25.3	0.4%	0.2%
Belgium	65.3	65.1	64.7	64.8	65.0	67.7	62.6	66.8	63.8	60.3	61.7	2.6%	0.5%
Bulgaria	19.4	19.1	19.6	20.1	19.6	19.5	17.1	17.8	19.1	18.1	17.1	-5.2%	0.1%
Czech Republic	43.7	45.4	45.2	46.1	45.7	44.4	42.0	43.8	43.2	42.4	41.9	-1.0%	0.3%
Denmark	21.4	20.5	19.6	21.7	20.6	19.8	18.5	19.5	18.5	17.2	18.1	5.3%	0.1%
Finland	30.7	30.8	28.4	29.8	29.8	29.0	27.0	29.2	27.2	26.5	26.1	-1.1%	0.2%
France	260.6	264.7	262.9	261.7	258.0	258.8	244.9	253.3	245.0	245.3	248.4	1.5%	2.0%
Germany	337.0	337.2	333.2	339.6	324.6	326.9	307.8	322.5	307.5	317.1	325.0	2.8%	2.6%
Greece	32.2	34.3	34.0	35.2	35.1	34.6	33.4	31.4	30.7	29.3	27.2	-6.7%	0.2%
Hungary	24.3	24.4	24.9	23.9	26.3	27.0	25.2	25.0	22.6	22.0	20.4	-6.9%	0.2%
Republic of Ireland	14.2	14.6	15.1	15.4	15.9	15.7	14.4	14.4	13.3	13.2	13.3	1.7%	0.1%
Italy	181.9	185.3	185.6	184.9	182.0	180.2	167.9	173.2	169.5	163.2	158.8	-2.4%	1.2%
Kazakhstan	44.0	43.9	46.5	49.9	53.2	54.1	50.8	50.8	56.7	60.9	62.0	2.2%	0.5%
Lithuania	8.9	9.0	8.3	8.0	8.6	8.6	7.8	5.9	6.1	6.1	5.7	-7.2%	♦
Netherlands	91.6	94.5	96.2	95.6	95.1	93.2	91.8	96.1	91.5	88.4	86.8	-1.6%	0.7%
Norway	39.2	39.9	46.0	42.4	46.1	47.1	43.9	42.1	43.2	47.9	45.0	-5.9%	0.4%
Poland	90.1	91.4	91.2	94.7	95.7	96.2	92.1	99.5	99.8	98.7	99.9	1.5%	0.8%
Portugal	25.7	25.3	25.5	25.4	25.3	23.7	24.0	25.1	23.8	22.2	23.8	7.3%	0.2%
Romania	37.8	39.0	39.8	40.6	37.5	38.5	33.9	34.3	35.4	34.3	33.0	-3.4%	0.3%
Russian Federation	642.2	649.2	648.0	675.7	680.1	683.5	647.8	674.1	695.9	699.3	699.0	0.2%	5.5%
Slovakia	18.1	17.6	18.8	17.9	17.2	17.7	16.0	17.0	16.5	16.0	16.6	3.8%	0.1%
Spain	144.4	150.1	151.7	153.6	157.5	154.0	143.9	144.7	142.4	141.1	133.7	-5.0%	1.1%
Sweden	49.2	53.4	54.8	51.5	52.6	52.4	48.1	51.8	50.9	54.0	51.0	-5.2%	0.4%
Switzerland	29.1	28.8	27.7	28.9	28.6	29.7	29.7	29.0	27.5	29.1	30.2	3.9%	0.2%
Turkey	78.4	83.2	86.1	96.2	103.1	102.8	103.7	110.4	117.6	122.7	122.8	0.4%	1.0%
Turkmenistan	17.7	18.6	19.6	21.5	24.4	23.9	23.1	26.1	27.0	29.9	26.3	-11.7%	0.2%
Ukraine	136.6	137.5	136.1	137.5	134.5	133.0	112.9	120.9	125.8	122.7	117.5	-4.0%	0.9%
United Kingdom	225.4	227.3	228.2	225.4	218.2	214.5	203.9	209.2	196.3	201.6	200.0	-0.5%	1.6%
Uzbekistan	50.9	49.4	46.2	46.0	48.8	52.3	46.7	48.0	51.1	48.9	47.8	-2.1%	0.4%
Other Europe & Eurasia	84.8	89.8	89.8	87.6	89.8	91.4	88.6	94.5	93.5	91.4	94.3	3.4%	0.7%
Total Europe & Eurasia	2913.8	2961.5	2967.8	3017.1	3011.5	3013.6	2839.1	2948.8	2932.3	2942.6	2925.3	-0.3%	23.0%
Iran	151.1	166.1	177.3	193.7	207.8	217.2	227.0	227.4	237.6	238.8	243.9	2.4%	1.9%
Israel	20.7	21.0	21.6	21.8	22.9	23.8	23.1	23.4	24.0	24.8	24.2	-1.8%	0.2%
Kuwait	25.5	28.5	30.5	28.9	28.8	30.5	31.5	34.7	35.7	38.0	37.8	-0.1%	0.3%
Qatar	14.1	16.9	20.7	22.2	22.8	23.6	24.0	24.9	28.6	29.1	31.8	9.5%	0.2%
Saudi Arabia	135.8	147.4	152.3	158.5	165.0	179.1	186.4	203.1	208.1	220.6	227.7	3.5%	1.8%
United Arab Emirates	56.2	60.1	62.3	65.3	72.5	82.9	80.9	84.9	89.2	93.3	97.1	4.4%	0.8%
Other Middle East	82.9	86.2	91.7	89.7	94.0	104.1	106.7	116.1	113.9	119.9	122.9	2.8%	1.0%
Total Middle East	486.2	526.2	556.5	580.1	613.7	661.0	679.7	714.4	737.1	764.4	785.3	3.0%	6.2%
Algeria	30.0	31.1	32.6	33.5	35.4	37.5	39.6	38.6	40.7	44.8	46.6	4.4%	0.4%
Egypt	56.9	59.6	62.5	65.9	70.1	74.3	77.0	81.6	83.0	87.6	86.8	-0.7%	0.7%
South Africa	109.4	115.3	115.1	116.9	122.8	129.4	123.6	125.1	123.0	122.6	122.4	0.2%	1.0%
Other Africa	108.2	116.9	123.2	122.0	126.9	134.4	132.1	144.2	140.0	147.5	152.3	3.5%	1.2%
Total Africa	304.5	322.8	333.4	338.3	355.1	375.5	372.4	389.4	386.7	402.4	408.1	1.7%	3.2%
Australia	112.6	115.3	119.0	125.1	125.8	126.1	123.1	122.8	124.1	118.0	116.0	-1.4%	0.9%
Bangladesh	15.6	16.2	17.4	18.7	19.4	20.6	21.4	23.3	24.7	26.0	26.7	3.0%	0.2%
China	1245.3	1466.8	1601.1	1767.9	1880.1	1971.4	2104.3	2339.6	2544.8	2731.1	2852.4	4.7%	22.4%
China Hong Kong SAR	21.4	24.1	23.1	24.5	26.1	24.3	26.5	27.6	28.3	27.2	27.9	3.0%	0.2%
India	320.8	345.1	366.8	390.0	420.1	446.5	483.8	510.2	534.6	573.3	595.0	4.1%	4.7%
Indonesia	117.1	116.6	120.0	122.2	131.0	125.0	134.5	150.0	159.8	161.0	168.7	5.1%	1.3%
Japan	514.4	526.8	531.4	530.1	526.7	520.7	477.5	506.8	481.2	478.0	474.0	-0.6%	3.7%
Malaysia	58.8	58.2	64.4	68.1	71.2	71.6	71.5	77.5	76.6	80.2	81.1	1.4%	0.6%
New Zealand	18.7	19.3	18.7	19.0	19.0	19.1	19.1	19.7	19.6	19.7	19.8	1.1%	0.2%
Pakistan	52.4	56.8	58.9	61.8	65.2	64.9	67.0	68.0	68.1	69.1	69.6	1.0%	0.5%
Philippines	26.4	27.3	27.5	26.2	27.5	27.4	27.8	28.1	29.2	30.4	31.8	4.8%	0.2%
Singapore	39.3	44.1	49.5	53.0	58.4	61.2	64.5	70.6	73.7	74.1	75.7	2.4%	0.6%
South Korea	209.8	213.8	220.8	222.9	231.9	236.4	237.4	254.6	267.8	270.9	271.3	0.4%	2.1%
Taiwan	99.7	104.9	106.5	108.6	113.7	107.6	104.1	109.7	109.5	109.2	110.9	1.8%	0.9%
Thailand	75.4	80.6	84.8	86.7	89.9	92.4	97.2	102.7	107.1	115.3	115.6	0.5%	0.9%
Vietnam	22.5	28.7	29.8	32.3	34.9	36.7	42.6	44.2	48.9	52.5	54.4	3.9%	0.4%
Other Asia Pacific	44.0	44.7	47.9	50.5	49.2	50.4	49.9	52.8	57.2	57.6	60.7	5.7%	0.5%
Total Asia Pacific	2994.0	3289.3	3487.7	3707.5	3890.3	4002.4	4152.3	4508.2	4755.1	4993.5	5151.5	3.4%	40.5%
Total World	9943.8	10428.2	10714.4	11020.8	11319.5	11466.2	11325.9	11955.6	12231.5	12483.2	12730.4	2.3%	100.0%
of which: OECD	5520.9	5633.6	5679.0	5687.8	5727.5	5671.5	5398.3	5598.2	5535.8	5484.4	5533.1	1.2%	43.5%
Non-OECD	4423.0	4794.6	5035.4	5333.0	5592.0	5794.7	5927.5	6357.3	6695.7	6998.9	7197.3	3.1%	56.5%
European Union	1789.6	1819.2	1818.7	1826.3	1801.1	1794.0	1691.2	1752.8	1691.2	1685.5	1675.9	-0.3%	13.2%
Former Soviet Union	960.3	971.5	970.7	1006.1	1017.1	1021.7	950.5	991.4	1030.5	1036.6	1027.7	-0.6%	8.1%

*In this review, primary energy comprises commercially-traded fuels, including modern renewables used to generate electricity.

♦Less than 0.05%.

Note: Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent.

Growth rates are adjusted for leap years.

Consumption by fuel*

Million tonnes oil equivalent	2012							2013						
	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renew-ables	Total	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renew-ables	Total
US	817.0	657.3	436.7	183.2	63.1	50.6	2208.0	831.0	671.0	455.7	187.9	61.5	58.6	2265.8
Canada	104.3	90.2	20.5	21.7	86.0	4.2	326.9	103.5	93.1	20.3	23.1	88.6	4.3	332.9
Mexico	92.3	71.6	13.3	2.0	7.1	2.3	188.5	89.7	74.5	12.4	2.7	6.2	2.5	188.0
Total North America	1013.6	819.2	470.5	206.9	156.2	57.0	2723.4	1024.2	838.6	488.4	213.7	156.3	65.4	2786.7
Argentina	28.5	42.6	0.7	1.4	8.4	0.6	82.2	29.4	43.2	0.7	1.4	9.2	0.7	84.5
Brazil	125.8	28.5	14.0	3.6	94.0	10.0	276.0	132.7	33.9	13.7	3.3	87.2	13.2	284.0
Chile	17.3	4.9	6.2	–	4.6	1.2	34.0	17.6	3.9	7.4	–	4.4	1.4	34.6
Colombia	13.4	8.9	3.7	–	10.8	0.1	36.8	13.9	9.6	4.3	–	10.0	0.1	38.0
Ecuador	10.9	0.6	–	–	2.8	0.1	14.3	11.6	0.5	–	–	2.5	0.1	14.7
Peru	9.5	6.1	0.8	–	5.0	0.2	21.6	10.0	5.9	0.8	–	4.8	0.2	21.8
Trinidad & Tobago	1.7	20.0	–	–	–	†	21.7	1.8	20.2	–	–	–	†	22.0
Venezuela	33.0	28.3	0.2	–	18.5	†	79.9	36.2	27.5	0.2	–	19.0	†	82.9
Other S. & Cent. America	59.1	6.4	2.0	–	20.4	2.4	90.3	58.4	7.1	2.1	–	20.9	2.5	91.0
Total S. & Cent. America	299.2	146.1	27.6	5.0	164.3	14.7	656.9	311.6	151.8	29.2	4.7	158.1	18.3	673.5
Austria	12.5	8.1	3.2	–	9.9	1.7	35.4	12.5	7.6	3.6	–	8.4	1.9	34.0
Azerbaijan	4.2	7.7	†	–	0.4	–	12.3	4.6	7.8	†	–	0.3	–	12.7
Belarus	8.6	16.5	0.1	–	†	0.1	25.2	8.7	16.5	0.1	–	†	0.1	25.3
Belgium	30.4	15.2	3.0	9.1	0.1	2.5	60.3	31.0	15.1	2.9	9.6	0.1	2.8	61.7
Bulgaria	3.9	2.5	6.9	3.6	0.7	0.5	18.1	4.1	2.4	5.9	3.2	0.9	0.6	17.1
Czech Republic	8.9	7.4	17.3	6.9	0.7	1.3	42.4	8.6	7.6	16.5	7.0	0.9	1.5	41.9
Denmark	7.8	3.5	2.5	–	†	3.4	17.2	7.8	3.4	3.2	–	†	3.7	18.1
Finland	9.0	2.7	3.0	5.3	3.8	2.6	26.5	8.9	2.6	3.7	5.4	2.9	2.7	26.1
France	81.0	38.0	11.5	96.3	13.1	5.5	245.3	80.3	38.6	12.2	95.9	15.5	5.9	248.4
Germany	111.4	70.5	80.1	22.5	4.9	27.5	317.1	112.1	75.3	81.3	22.0	4.6	29.7	325.0
Greece	15.1	3.7	8.1	–	1.0	1.3	29.3	14.0	3.2	7.1	–	1.5	1.4	27.2
Hungary	5.9	9.2	2.7	3.6	†	0.6	22.0	6.0	7.7	2.7	3.5	†	0.5	20.4
Republic of Ireland	6.5	4.0	1.5	–	0.2	1.0	13.2	6.7	4.0	1.3	–	0.1	1.1	13.3
Italy	64.2	61.8	16.3	–	9.5	11.4	163.2	61.8	57.8	14.6	–	11.6	13.0	158.8
Kazakhstan	13.1	9.4	36.6	–	1.8	†	60.9	13.8	10.3	36.1	–	1.8	†	62.0
Lithuania	2.7	3.0	0.2	–	0.1	0.2	6.1	2.7	2.4	0.2	–	0.1	0.2	5.7
Netherlands	43.7	32.8	8.2	0.9	†	2.8	88.4	41.4	33.4	8.3	0.6	†	3.0	86.8
Norway	10.5	3.9	0.7	–	32.3	0.5	47.9	10.6	4.0	0.7	–	29.2	0.5	45.0
Poland	25.7	14.9	54.3	–	0.5	3.4	98.7	24.0	15.0	56.1	–	0.6	4.2	99.9
Portugal	10.9	4.0	2.9	–	1.2	3.1	22.2	10.8	3.7	2.7	–	3.1	3.6	23.8
Romania	9.2	12.2	6.9	2.6	2.8	0.6	34.3	9.0	11.2	5.6	2.6	3.4	1.1	33.0
Russian Federation	148.9	374.6	98.1	40.2	37.3	0.1	699.3	153.1	372.1	93.5	39.1	41.0	0.1	699.0
Slovakia	3.6	4.4	3.2	3.5	1.0	0.3	16.0	3.5	4.9	3.1	3.6	1.2	0.3	16.6
Spain	64.2	28.2	15.1	13.9	4.6	15.0	141.1	59.3	26.1	10.3	12.8	8.3	16.8	133.7
Sweden	14.6	1.0	1.5	14.6	17.8	4.4	54.0	14.3	1.0	1.7	15.1	13.9	5.0	51.0
Switzerland	11.2	2.9	0.1	5.8	8.6	0.4	29.1	11.8	3.3	0.1	5.9	8.6	0.5	30.2
Turkey	31.4	40.7	35.7	–	13.1	1.7	122.7	33.1	41.1	33.0	–	13.4	2.2	122.8
Turkmenistan	6.1	23.8	–	–	†	–	29.9	6.3	20.0	–	–	†	–	26.3
Ukraine	12.5	44.6	42.7	20.4	2.4	0.1	122.7	12.2	40.5	42.6	18.8	3.1	0.3	117.5
United Kingdom	71.0	66.3	39.1	15.9	1.2	8.1	201.6	69.8	65.8	36.5	16.0	1.1	10.9	200.0
Uzbekistan	3.3	42.2	1.2	–	2.3	–	48.9	3.3	40.7	1.2	–	2.6	–	47.8
Other Europe & Eurasia	32.0	14.5	21.6	1.8	19.9	1.7	91.4	32.5	13.4	21.8	1.7	23.0	1.8	94.3
Total Europe & Eurasia	884.2	974.3	524.3	266.7	191.2	101.8	2942.6	878.6	958.3	508.7	263.0	201.3	115.5	2925.3
Iran	89.5	145.4	0.7	0.3	2.7	0.1	238.8	92.9	146.0	0.7	0.9	3.4	0.1	243.9
Israel	13.6	2.3	8.8	–	†	0.1	24.8	10.6	6.2	7.3	–	†	0.1	24.2
Kuwait	21.6	16.3	–	–	–	–	38.0	21.8	16.0	–	–	–	–	37.8
Qatar	8.0	21.1	–	–	–	–	29.1	8.5	23.3	–	–	–	–	31.8
Saudi Arabia	131.3	89.4	–	–	–	–	220.6	135.0	92.7	–	–	–	–	227.7
United Arab Emirates	34.3	59.0	–	–	–	†	93.3	35.6	61.5	–	–	–	†	97.1
Other Middle East	79.5	38.0	0.2	–	2.1	†	119.9	80.5	39.9	0.2	–	2.3	†	122.9
Total Middle East	377.7	371.6	9.7	0.3	4.9	0.2	764.4	384.8	385.5	8.2	0.9	5.7	0.2	785.3
Algeria	16.7	27.9	–	–	0.1	0.1	44.8	17.5	29.1	–	–	†	0.1	46.6
Egypt	35.2	47.3	1.4	–	3.2	0.4	87.6	35.7	46.3	1.5	–	2.9	0.4	86.8
South Africa	27.3	3.6	88.5	2.8	0.3	0.1	122.6	27.2	3.5	88.2	3.1	0.3	0.1	122.4
Other Africa	86.8	31.8	6.0	–	21.9	0.9	147.5	90.5	32.1	5.9	–	22.5	1.2	152.3
Total Africa	166.1	110.7	95.9	2.8	25.5	1.4	402.4	170.9	111.0	95.6	3.1	25.7	1.7	408.1
Australia	47.3	16.7	47.3	–	3.9	2.8	118.0	47.0	16.1	45.0	–	4.5	3.4	116.0
Bangladesh	5.8	19.0	1.0	–	0.2	†	26.0	5.7	19.7	1.0	–	0.2	†	26.7
China	490.1	131.7	1856.4	22.0	197.3	33.5	2731.1	507.4	145.5	1925.3	25.0	206.3	42.9	2852.4
China Hong Kong SAR	17.3	2.5	7.3	–	–	†	27.2	17.7	2.4	7.8	–	–	†	27.9
India	173.6	52.9	302.3	7.5	26.2	10.9	573.3	175.2	46.3	324.3	7.5	29.8	11.7	595.0
Indonesia	73.2	32.2	50.4	–	2.9	2.2	161.0	73.8	34.6	54.4	–	3.5	2.3	168.7
Japan	217.8	105.3	124.4	4.1	18.3	8.2	478.0	208.9	105.2	128.6	3.3	18.6	9.4	474.0
Malaysia	30.7	31.2	15.9	–	2.1	0.3	80.2	31.2	30.6	17.0	–	2.1	0.3	81.1
New Zealand	7.0	3.8	1.7	–	5.2	2.0	19.7	7.1	4.0	1.5	–	5.2	2.0	19.8
Pakistan	20.0	37.1	4.3	1.3	6.4	†	69.1	22.0	34.7	4.4	1.1	7.4	†	69.6
Philippines	13.0	3.3	9.4	–	2.3	2.4	30.4	13.7	3.0	10.5	–	2.2	2.4	31.8
Singapore	65.4	8.5	–	–	–	0.3	74.1	65.9	9.5	–	–	–	0.3	75.7
South Korea	108.8	45.2	81.0	34.0	1.1	0.8	270.9	108.4	47.3	81.9	31.4	1.3	1.0	271.3
Taiwan	41.9	14.7	41.1	9.1	1.2	1.2	109.2	43.4	14.7	41.0	9.4	1.2	1.2	110.9
Thailand	49.6	46.1	16.8	–	2.0	0.9	115.3	50.4	47.0	16.0	–	1.3	1.0	115.6
Vietnam	17.2	8.4	14.9	–	11.9	†	52.5	17.4	8.8	15.9	–	12.2	†	54.4
Other Asia Pacific	19.5	5.9	21.6	–	10.4	0.1	57.6	19.6	6.0	22.1	–	12.8	0.1	60.7
Total Asia Pacific	1398.1	564.4	2595.7	78.1	291.5	65.7	4993.5	1415.0	575.2	2696.5	77.8	308.7	78.2	5151.5
Total World	4138.9	2986.3	3723.7	559.9	833.6	240.8	12483.2	4185.1	3020.4	3826.7	563.2	855.8	279.3	12730.4
of which: OECD	2072.9	1423.1	1055.2	444.5	316.6	172.1	5484.4	2059.9	1444.4	1066.9	447.0	319.3	195.6	5533.1
Non-OECD	2066.0	1563.1	2668.5	115.4	517.0	68.7	6998.9	2125.1	1576.0	2759.8	116.1	536.5	83.7	7197.3
European Union	618.8	399.7	293.4	199.9	76.1	97.7	1685.5	605.2	394.3	285.4	198.5	81.9	110.6	1675.9
Former Soviet Union	206.9	529.6	183.8	61.1	54.5	0.7	1036.6	212.2	517.9	178.8	58.5	59.3	0.9	1027.7

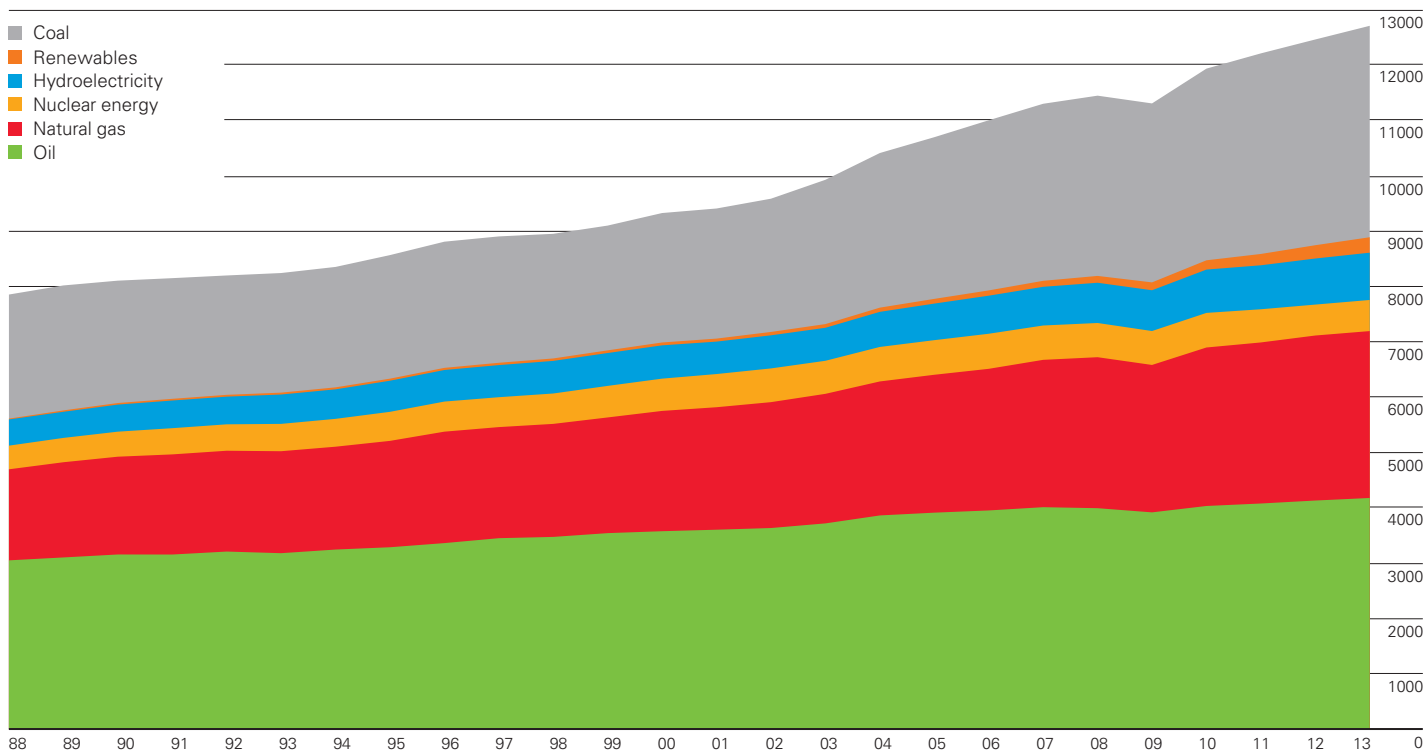
*In this review, primary energy comprises commercially-traded fuels, including modern renewables used to generate electricity.

†Less than 0.05.

Note: Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent.

World consumption

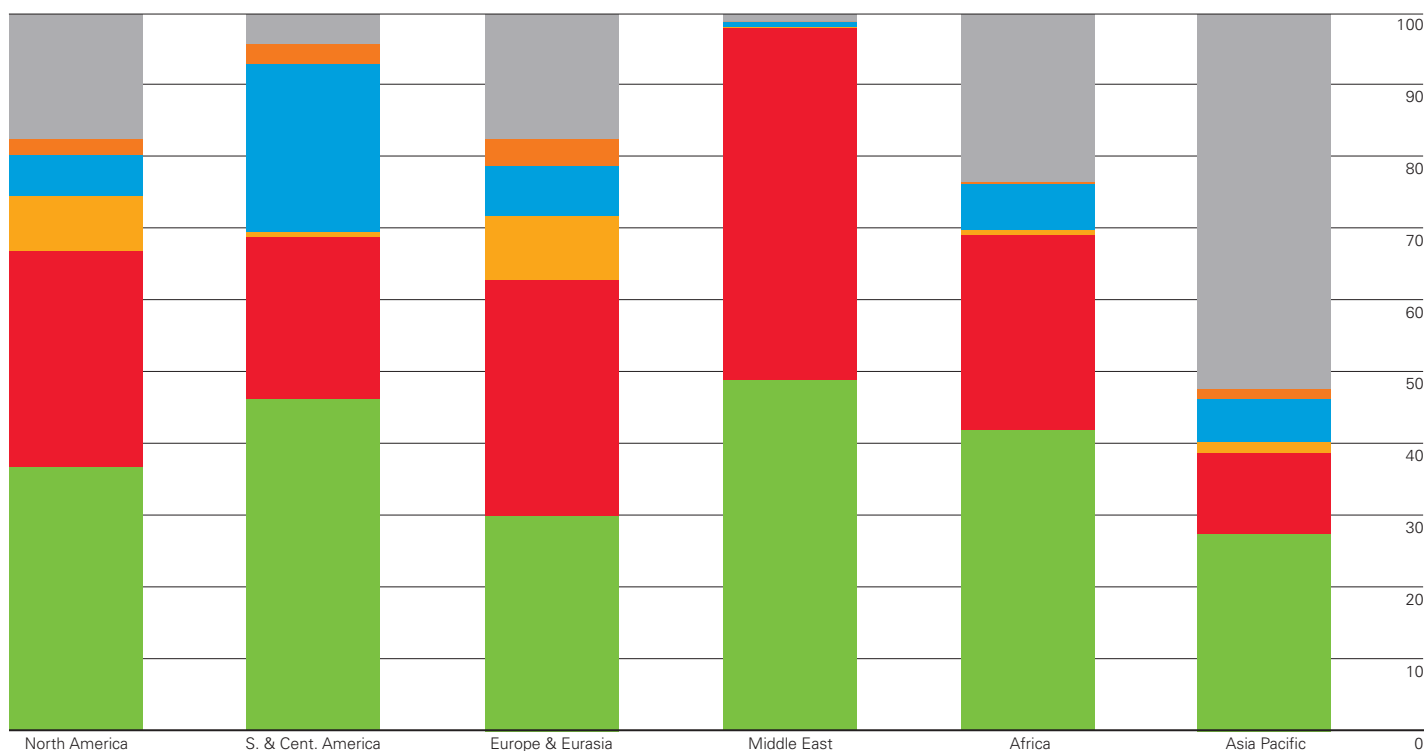
Million tonnes oil equivalent



World primary energy consumption grew by a below-average 2.3% in 2013, a third consecutive below-average increase. Growth was below average in all regions except North America. All fuels except oil, nuclear and renewables grew at below-average rates. Oil remains the world's dominant fuel, but has lost market share for 14 years in a row. Hydroelectric and other renewables in power generation both reached record shares of global primary energy consumption (6.7% and 2.2%, respectively).

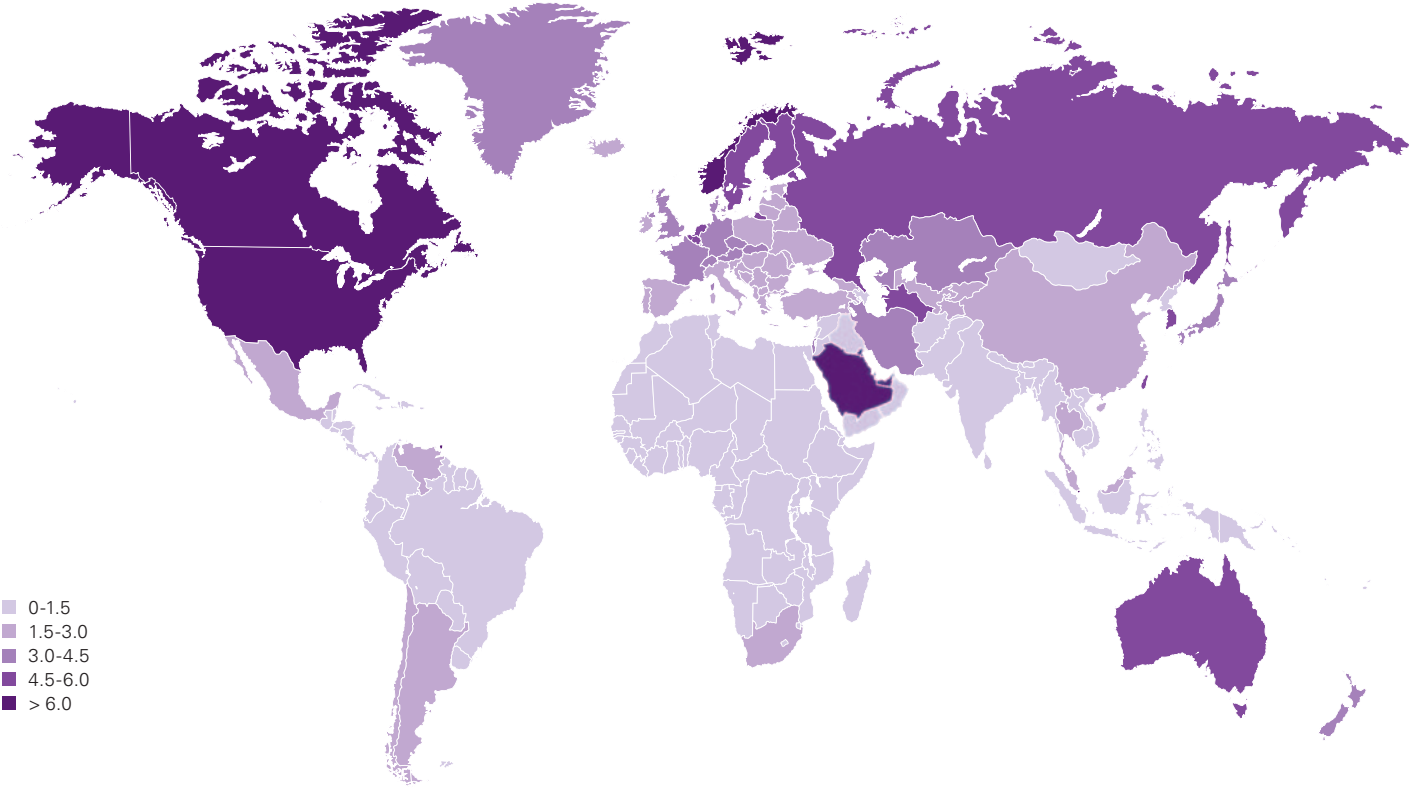
Regional consumption pattern 2013

Percentage

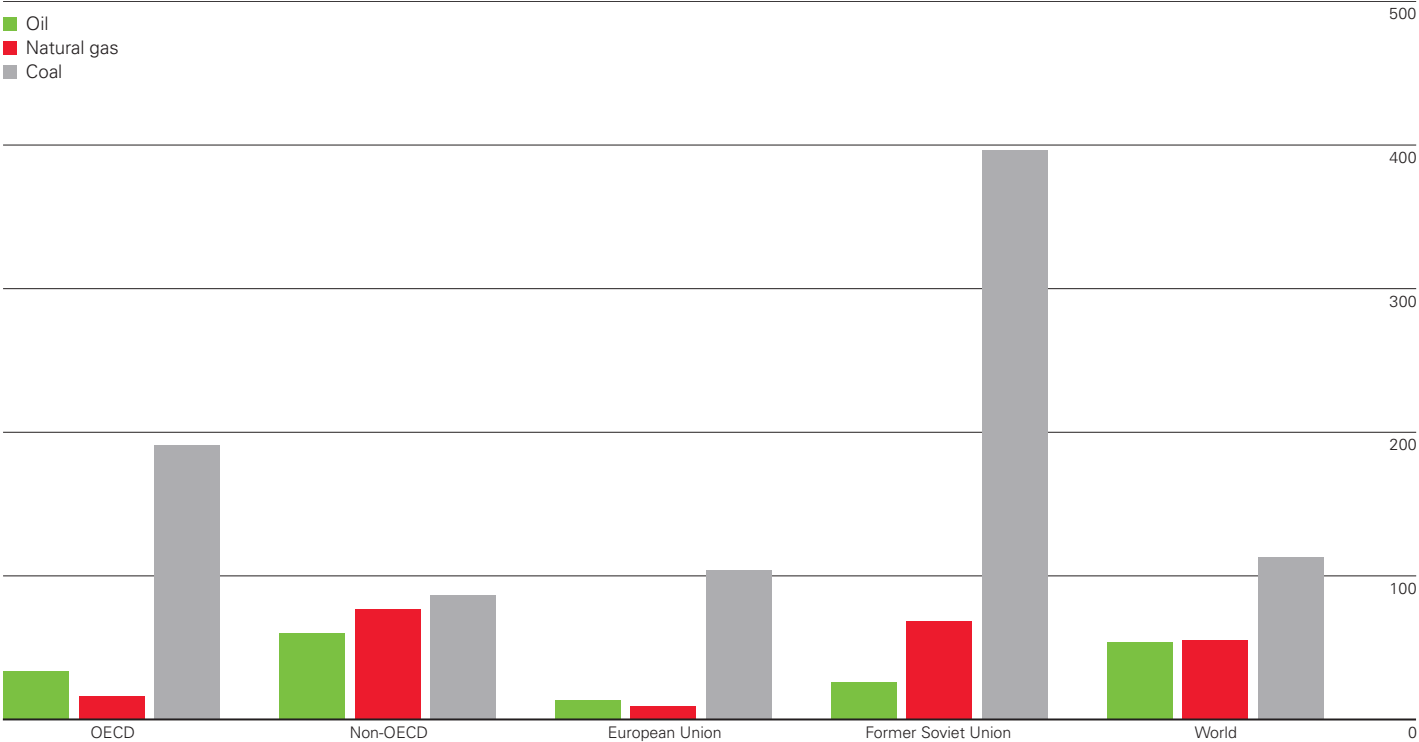


The Asia Pacific region once again accounted for the largest increment to global primary energy consumption and continues to account for the largest share (40.5% of the global total). The region accounted for over 70% of global coal consumption for the first time in 2013, and coal remains the region's dominant fuel. Oil is the dominant fuel in all other regions except Europe & Eurasia and the Middle East where gas is dominant. In the Middle East, gas surpassed oil as the dominant fuel in 2013.

Consumption per capita 2013
Tonnes oil equivalent



Fossil fuel reserves-to-production (R/P) ratios at end 2013
Years



Coal remains – by far – the most abundant fossil fuel by R/P ratio. Non-OECD countries hold the majority of proved reserves for all fossil fuels, and the highest R/P ratios for oil and natural gas. By region, the Middle East holds the largest reserves for oil and natural gas, and the highest R/P ratio for natural gas; South and Central America hold the highest R/P ratio for oil. Europe & Eurasia holds the largest coal reserves, and the highest R/P ratio.

Appendices

Approximate conversion factors

Crude oil*

From	To				
	tonnes (metric)	kilolitres	barrels	US gallons	tonnes per year
	Multiply by				
Tonnes (metric)	1	1.165	7.33	307.86	–
Kilolitres	0.8581	1	6.2898	264.17	–
Barrels	0.1364	0.159	1	42	–
US gallons	0.00325	0.0038	0.0238	1	–
Barrels per day	–	–	–	–	49.8

*Based on worldwide average gravity.

Products

	To convert			
	barrels to tonnes	tonnes to barrels	kilolitres to tonnes	tonnes to kilolitres
	Multiply by			
Liquefied petroleum gas (LPG)	0.086	11.6	0.542	1.844
Gasoline	0.118	8.5	0.740	1.351
Kerosene	0.128	7.8	0.806	1.240
Gas oil/diesel	0.133	7.5	0.839	1.192
Residual fuel oil	0.149	6.7	0.939	1.065
Product basket	0.125	8.0	0.786	1.272

Natural gas (NG) and liquefied natural gas (LNG)

From	To					
	billion cubic metres NG	billion cubic feet NG	million tonnes oil equivalent	million tonnes LNG	trillion British thermal units	million barrels oil equivalent
	Multiply by					
1 billion cubic metres NG	1	35.3	0.90	0.74	35.7	6.60
1 billion cubic feet NG	0.028	1	0.025	0.021	1.01	0.19
1 million tonnes oil equivalent	1.11	39.2	1	0.82	39.7	7.33
1 million tonnes LNG	1.36	48.0	1.22	1	48.6	8.97
1 trillion British thermal units	0.028	0.99	0.025	0.021	1	0.18
1 million barrels oil equivalent	0.15	5.35	0.14	0.11	5.41	1

Definitions

Statistics published in this review are taken from government sources and published data. No use is made of confidential information obtained by BP in the course of its business.

Country and geographic groupings are made purely for statistical purposes and are not intended to imply any judgement about political or economic standings.

North America

US (excluding Puerto Rico), Canada, Mexico.

South & Central America

Caribbean (including Puerto Rico), Central and South America.

Europe

European members of the OECD plus Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Former Yugoslav Republic of Macedonia, Gibraltar, Malta, Romania, Serbia and Montenegro.

Former Soviet Union

Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russian Federation, Tajikistan, Turkmenistan, Ukraine, Uzbekistan.

Europe & Eurasia

All countries listed above under the headings Europe and Former Soviet Union.

Middle East

Arabian Peninsula, Iran, Iraq, Israel, Jordan, Lebanon, Syria.

North Africa

Territories on the north coast of Africa from Egypt to western Sahara.

West Africa

Territories on the west coast of Africa from Mauritania to Angola, including Cape Verde, Chad.

East and Southern Africa

Territories on the east coast of Africa from Sudan to Republic of South Africa. Also Botswana, Madagascar, Malawi, Namibia, Uganda, Zambia, Zimbabwe.

Asia Pacific

Brunei, Cambodia, China, China Hong Kong SAR*, Indonesia, Japan, Laos, Macau, Malaysia, Mongolia, North Korea, Philippines, Singapore, South Asia (Afghanistan, Bangladesh, India, Myanmar, Nepal, Pakistan, Sri Lanka), South Korea, Taiwan, Thailand, Vietnam, Australia, New Zealand, Papua New Guinea, Oceania.

*Special Administrative Region.

Australasia

Australia, New Zealand.

OECD members

Europe: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Republic of Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, UK.

Other member countries: Australia, Canada, Chile, Israel, Japan, Mexico, New Zealand, South Korea, US.

OPEC members

Middle East: Iran, Iraq, Kuwait, Qatar, Saudi Arabia, United Arab Emirates.

North Africa: Algeria, Libya.

West Africa: Angola, Nigeria.

South America: Ecuador, Venezuela.

Units

1 metric tonne	= 2204.62lb
	= 1.1023 short tons
1 kilolitre	= 6.2898 barrels
	= 1 cubic metre
1 kilocalorie (kcal)	= 4.187kJ
	= 3.968Btu
1 kilojoule (kJ)	= 0.239kcal
	= 0.948Btu
1 British thermal unit (Btu)	= 0.252kcal
	= 1.055kJ
1 kilowatt-hour (kWh)	= 860kcal
	= 3600kJ
	= 3412Btu

Calorific equivalents

One tonne of oil equivalent equals approximately:

Heat units	10 million kilocalories
	42 gigajoules
	40 million British thermal units
Solid fuels	1.5 tonnes of hard coal
	3 tonnes of lignite
Gaseous fuels	See Natural gas and liquefied natural gas table
Electricity	12 megawatt-hours

One million tonnes of oil or oil equivalent produces about 4400 gigawatt-hours (= 4.4 terawatt-hours) of electricity in a modern power station.

1 barrel of ethanol = 0.57 barrel of oil

1 barrel of biodiesel = 0.88 barrel of oil

European Union members

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Republic of Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, UK.

Non-OECD

All countries that are not members of the OECD.

Methodology

The primary energy values of nuclear and hydroelectric power generation, as well as electricity from renewable sources, have been derived by calculating the equivalent amount of fossil fuel required to generate the same volume of electricity in a thermal power station, assuming a conversion efficiency of 38% (the average for OECD thermal power generation).

Fuels used as inputs for conversion technologies (gas-to-liquids, coal-to-liquids and coal-to-gas) are counted as production for the source fuel and the outputs are counted as consumption for the converted fuel.

Percentages

Calculated before rounding of actuals. All annual changes and shares of totals are on a weight basis except on pages 6, 13, 16, 18 and 20.

Rounding differences

Because of rounding, some totals may not agree exactly with the sum of their component parts.

Tonnes

Metric equivalent of tons.

More information

Questions on data

BP regrets it is unable to deal with enquiries about the data in *BP Statistical Review of World Energy 2014*.

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