

BP Statistical Review of World Energy

June 2009



bp.com/statisticalreview

What's inside?

1 Introduction

- 1 Group chief executive's introduction
- 2 2008 in review

6 Oil

- 6 Reserves
- 8 Production
- 11 Consumption
- 16 Prices
- 17 Stocks
- 18 Refining
- 20 Trade movements

22 Natural gas

- 22 Reserves
- 24 Production
- 27 Consumption
- 30 Trade movements
- 31 Prices

32 Coal

- 32 Reserves
- 32 Prices
- 34 Production
- 35 Consumption

36 Nuclear energy

- 36 Consumption

38 Hydroelectricity

- 38 Consumption

40 Primary energy

- 40 Consumption
- 41 Consumption by fuel
- 43 R/P ratios

44 Appendices

- 44 Approximate conversion factors
- 44 Definitions
- 45 More information

About this Review

Guide to navigation

BP Statistical Review of World Energy June 2009 uses the following icons and colour coding to help you navigate your way quickly and easily through the document. Icons and colours represent various energy types so you can see, at a glance, which section you are in.



Natural gas



Nuclear energy

Hydroelectricity

Primary energy

For 58 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 out more online

BP Statistical Review of World Energy June 2009 is available online at www.bp.com/statisticalreview. 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 energy charting tool, where you can view predetermined reports or chart specific data according to energy type, region and year.
- An oil, natural gas and LNG conversion calculator.
- PDF versions and PowerPoint slide packs of the charts, maps and graphs, plus an Excel workbook of the historical data.

About BP

BP is one of the world's largest oil and gas companies, serving millions of customers in more than 90 countries across six continents. Our business segments are Exploration and Production, and Refining and Marketing. Through these business segments, we provide fuel for transportation, retail brands and energy for heat and light.

Approximate conversion factors and definitions
See page 44.

View or order this Review at
bp.com/statisticalreview

The data series for proved oil and gas reserves in *BP Statistical Review of World Energy June 2009* 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 2008 followed the economic headlines

Tony Hayward Group Chief Executive
June 2009

Welcome to the 2009 edition of the BP Statistical Review of World Energy.

2008 was a year of truly unprecedented developments, for the world economy and in energy markets. Prices for all forms of traded energy rose steeply, some reaching record highs, and then fell dramatically. Producers and consumers alike are wondering where global energy markets are headed, and how to manage the myriad issues around energy, including price volatility, security and climate change.

In challenging times such as these, clear and objective perspectives are needed, and this is what BP's Statistical Review has offered for 58 years. I hope you will find this Review to be a useful source of information on today's energy situation – and a source of insight in thinking about tomorrow's.

As ever, the world economy is the key driver of energy consumption. It is easy to forget that until the middle of 2008, the economy continued to grow. In retrospect, last year represented the end of one of the strongest periods of economic growth ever recorded. However, the economy had already started to slow, most likely not unrelated to the high price of energy, and the financial crisis in September then triggered a sharp recession – with critical implications for global energy consumption.

Energy prices followed these economic headlines, making for a year of very different parts. Oil prices increased steadily early in the year, exceeding \$140 per barrel in early July – a record even on an inflation-adjusted basis. But then prices collapsed, falling by more than 70% by the end of the year. Market prices for natural gas and coal followed similar trajectories. Over the whole of 2008, average prices for all forms of primary energy increased significantly, with annual oil prices rising for a seventh consecutive year, a first in the nearly 150-year history of the oil industry.

Primary energy consumption growth slowed in 2008, as did growth for each of the fossil fuels. All the net growth in energy consumption came from the rapidly industrializing non-OECD economies, with China alone accounting for nearly three-quarters of global growth. For the first time, non-OECD energy consumption surpassed OECD consumption. For a sixth consecutive year, coal was the fastest-growing fuel – with obvious implications for global CO₂ emissions.

The use of renewable fuels again rose rapidly, often benefitting from government support. Although renewable energy continues to play only a small role in the world's energy mix, the share is rising rapidly in some countries and there are the beginnings of a material impact. Data on renewable energy – ethanol production as well as wind, solar and geothermal power generation capacity – may be found at www.bp.com/statisticalreview.

In 2008 the world was no longer supply-constrained, as production growth exceeded that of consumption for all fossil fuels, particularly later in the year. Expanded OPEC production drove increases in world oil supply, even as consumption declined. The cost-effective development of unconventional gas, enabled by technological innovation, drove the largest-ever increase in US natural gas supply, and for coal, strong growth in China was once again a key driver. Seen in this context, fundamental market forces help to explain the downward pressure seen on energy prices later in the year.

Our data confirms that the world has enough proved reserves of oil, natural gas and coal to meet the world's needs for decades to come. The challenges the world faces in growing supplies to meet future demand are not below ground, they are above ground. They are human, not geological.

I would like to thank all those around the world who have been involved in preparing this Review – in particular our government contacts in many countries who helped to compile the data.

2008 in review

Global energy consumption growth slowed in 2008, with slower economic growth and higher average prices breaking a string of five consecutive years of above-average growth. Production growth exceeded that of consumption for all fossil fuels.

For the year as a whole, prices for all forms of traded energy rose substantially despite sharp declines late in the year. Oil prices reached inflation-adjusted record highs, rising for a seventh consecutive year. Internationally traded coal prices rose more steeply than other fuels. Natural gas prices in Europe and for Asia-Pacific liquefied natural gas (LNG) rose in line with – or more rapidly than – oil prices, while North American price increases were more moderate.

Non-OECD primary energy consumption exceeded OECD consumption for the first time.

Primary energy consumption



Shanghai, China

China accounted for three-quarters of global energy consumption growth.

Energy developments

World primary energy consumption – including oil, natural gas, coal, nuclear and hydro power – grew by 1.4% in 2008, the slowest growth since 2001. Non-OECD primary energy consumption exceeded OECD consumption for the first time. The Asia-Pacific region accounted for 87% of the world's energy consumption growth. For the third consecutive year, coal accounted for the majority of primary energy consumption growth. Chinese consumption growth slowed for the fifth consecutive year, yet China accounted for nearly three-quarters of global growth. Energy consumption among exporting regions remained robust, with above-average growth in the Middle East and Africa. Consumption in the US fell by 2.8%, the largest decline since 1982.

Oil

Dated Brent averaged \$97.26 per barrel in 2008, an increase of 34%. Other benchmark crudes registered similar gains. Prices began the year just below \$100 and rose sharply through mid-year, peaking above \$144 in early July. But with strong OPEC production growth and the world economy – and oil consumption – weakening, inventories increased and prices declined sharply thereafter, ending the year below \$40. An easing of refinery bottlenecks led to a narrowing of crude quality differentials in the second half of the year.

Global oil consumption declined by 0.6%, or by 420,000 barrels per day (b/d), the first decline since 1993 and the largest decline since 1982. Consumption in OECD countries fell by 3.2% (1.5 million b/d), a third consecutive year of decline – led by a drop of 6.4%, or nearly 1.3 million b/d, in the US. Outside the OECD, consumption growth slowed to 1.1 million b/d, with continued strong growth among oil exporting countries partly offset by slower growth among Asia-Pacific importers.

 Oil production outside OPEC fell by 1.4% or 610,000b/d, the largest decline since 1992. 

While oil consumption declined, global oil production increased by 0.4%, or 380,000b/d. Although OPEC began cutting production late in the year, average annual production rose by 2.7%, or 990,000b/d. Middle Eastern OPEC members accounted for all of the net increase, with Saudi Arabian production rising by nearly 400,000b/d and Iraqi output rising by 280,000b/d.

Oil production outside OPEC fell by 1.4% or 610,000b/d, the largest decline since 1992. OECD production fell by 4%, or 750,000b/d, with declines in North America and Europe; Mexican production fell by 310,000b/d, the world's largest decline. Russian production fell by 90,000b/d, the first decline since 1998. These declines were partly offset by continued growth in Brazilian output of 70,000b/d.

Refining capacity additions in 2008 totalled some 830,000b/d, with most of the additions concentrated in the Asia-Pacific region, especially China where capacity grew by 2.9% (220,000b/d). However, global crude runs fell by 250,000b/d because of lower oil consumption. The biggest throughput changes were a fall of 3.4% (510,000b/d) in the US, partially offset by growth of 4.4% (290,000b/d) in China. The combination of increasing refining capacity and lower crude runs meant



Thunder Horse field,
Gulf of Mexico, US
US oil consumption
fell by 6.4% or nearly
1.3 million b/d.

that global refinery utilization in 2008 fell for the third year running to 84.8%, the lowest level since 2003.

Global oil trade fell by 1.7% or 930,000b/d, the first decline since 2002 and the largest since 1987, driven by declining consumption among importing countries (especially in the OECD) and rising domestic consumption among the world's oil exporters.

Global oil consumption

-0.6%
The first decline
since 1993



LNG plant, North West Shelf, Australia
Global natural gas trade rebounded in 2008, growing by 3.8%; LNG trade for the year fell slightly.

Natural gas share of world energy consumption

24.1%

Natural gas accounts for 24.1% of world energy use, the highest share on record.

Natural gas

Global gas consumption grew by 2.5%, below the 10-year average. In North America, spot gas prices for the year remained well below oil prices and consumption grew by an above-average 1.3%. Elsewhere only the Middle East saw above-average growth, driven by strong domestic consumption among energy-exporting nations and a rapid expansion of intra-regional trade. In OECD Europe and the Asia-Pacific region, oil-indexed gas prices rose more rapidly and consumption growth was below average. Chinese consumption grew by 15.8%, and China accounted for the largest incremental growth in world gas consumption.

 In the US output rose by 7.5%, 10 times the 10-year average and the strongest volumetric growth on record. 

Global gas production grew by 3.8%, above the 10-year average of 3%. Strong growth was driven by the US, which for the second consecutive year accounted for the largest increment to global production. In the US output rose by 7.5%, 10 times the 10-year average and the strongest volumetric growth on record. The development of unconventional resources and strong drilling activity (which began to decline later in the year as prices weakened) drove the US increase. Qatar accounted for the second-largest increment to supply as pipeline shipments to the UAE continued to ramp up. EU production rose for the first time since 2004, as increases in the Netherlands and Denmark offset UK declines.

Global natural gas trade rebounded in 2008, growing by 3.8%, driven by growth in pipeline shipments; LNG trade for the year fell slightly. Pipeline trade increased by 5.5%; the ramp-up of Qatari exports accounted for 36% of global growth, and shipments also increased from Russia and several European countries, more than offsetting declining Canadian shipments to the US. Meanwhile, breaking a recent pattern of strong growth, global LNG shipments were limited by constrained supply.



Other fuels

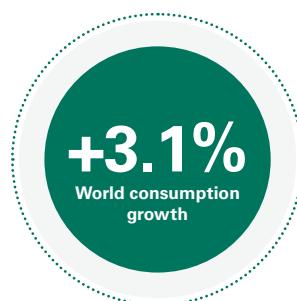
Global coal consumption slowed in 2008, rising by a below-average 3.1%, yet coal remained the fastest-growing fuel in the world for a sixth consecutive year. In China (the world's largest consumer, with a 43% share), consumption grew by 6.8%, below the 10-year average but still sufficient to account for 85% of global growth. In liberalized energy markets, coal prices in 2008 increased more rapidly than other fossil fuels; consumption growth outside China was a weak 0.6%. Growth was below the 10-year average for every region but South and Central America and Africa.

Nuclear output dropped by 0.7%, a second consecutive global decline. Japanese output fell by 10% due to the lingering impact of a 2007 earthquake. Hydroelectric generation grew by 2.8%, with global growth above the 10-year average for the fourth time in the past five years. Chinese hydroelectric output grew by 20.3%, double the 10-year average and sufficient to account for all the global increase. Elsewhere

hydroelectric output was weaker than average, falling by 0.4%.

Renewable energy continued to grow strongly. Global wind and solar generation capacity increased by 29.9% and 69%, respectively – both figures above the 10-year average. Driven by a favourable policy environment, US wind capacity rose by 49.5%, surpassing Germany as the world's capacity leader. Ethanol production rose by one-third driven by continued strong growth in the US and Brazil.

Coal was again the world's fastest growing fuel



Acknowledgements

We would like to express our gratitude to the many contacts worldwide who provide the basic publicly-available data for this publication.



Coal

In liberalized energy markets, coal prices in 2008 increased more rapidly than other fossil fuels.


Proved reserves

	At end 1988 Thousand million barrels	At end 1998 Thousand million barrels	At end 2007 Thousand million barrels	At end 2008		
				Thousand million tonnes	Thousand million barrels	Share of total
US	35.1	28.6	30.5	3.7	30.5	2.4%
Canada	11.9	15.1	28.6	4.4	28.6	2.3%
Mexico	53.0	21.6	12.2	1.6	11.9	0.9%
Total North America	100.0	65.3	71.3	9.7	70.9	5.6%
Argentina	2.3	2.8	2.6	0.4	2.6	0.2%
Brazil	2.8	7.4	12.6	1.7	12.6	1.0%
Colombia	2.1	2.5	1.5	0.2	1.4	0.1%
Ecuador	1.5	4.1	4.0	0.5	3.8	0.3%
Peru	0.9	0.9	1.1	0.2	1.1	0.1%
Trinidad & Tobago	0.6	0.7	0.9	0.1	0.8	0.1%
Venezuela	58.5	76.1	99.4	14.3	99.4	7.9%
Other S. & Cent. America	0.6	1.1	1.4	0.2	1.4	0.1%
Total S. & Cent. America	69.2	95.6	123.5	17.6	123.2	9.8%
Azerbaijan	n/a	n/a	7.0	1.0	7.0	0.6%
Denmark	0.5	0.9	1.1	0.1	0.8	0.1%
Italy	0.8	0.8	0.9	0.1	0.8	0.1%
Kazakhstan	n/a	n/a	39.8	5.3	39.8	3.2%
Norway	7.3	11.7	8.2	0.9	7.5	0.6%
Romania	1.2	1.2	0.5	0.1	0.5	♦
Russian Federation	n/a	n/a	80.4	10.8	79.0	6.3%
Turkmenistan	n/a	n/a	0.6	0.1	0.6	♦
United Kingdom	4.3	5.1	3.4	0.5	3.4	0.3%
Uzbekistan	n/a	n/a	0.6	0.1	0.6	♦
Other Europe & Eurasia	63.2	2.1	2.1	0.3	2.1	0.2%
Total Europe & Eurasia	77.3	104.9	144.6	19.2	142.2	11.3%
Iran	92.9	93.7	138.2	18.9	137.6	10.9%
Iraq	100.0	112.5	115.0	15.5	115.0	9.1%
Kuwait	94.5	96.5	101.5	14.0	101.5	8.1%
Oman	4.1	5.4	5.6	0.8	5.6	0.4%
Qatar	4.5	12.5	27.4	2.9	27.3	2.2%
Saudi Arabia	255.0	261.5	264.2	36.3	264.1	21.0%
Syria	1.8	2.3	2.5	0.3	2.5	0.2%
United Arab Emirates	98.1	97.8	97.8	13.0	97.8	7.8%
Yemen	2.0	1.9	2.7	0.3	2.7	0.2%
Other Middle East	0.1	0.2	0.1	†	0.1	♦
Total Middle East	653.0	684.3	755.0	102.0	754.1	59.9%
Algeria	9.2	11.3	12.2	1.5	12.2	1.0%
Angola	2.0	4.0	13.5	1.8	13.5	1.1%
Chad	—	—	0.9	0.1	0.9	0.1%
Republic of Congo (Brazzaville)	0.8	1.7	1.9	0.3	1.9	0.2%
Egypt	4.3	3.8	4.1	0.6	4.3	0.3%
Equatorial Guinea	—	0.6	1.7	0.2	1.7	0.1%
Gabon	0.9	2.6	3.2	0.4	3.2	0.3%
Libya	22.8	29.5	43.7	5.7	43.7	3.5%
Nigeria	16.0	22.5	36.2	4.9	36.2	2.9%
Sudan	0.3	0.3	6.7	0.9	6.7	0.5%
Tunisia	1.8	0.3	0.6	0.1	0.6	♦
Other Africa	1.0	0.7	0.6	0.1	0.6	♦
Total Africa	59.0	77.2	125.3	16.6	125.6	10.0%
Australia	3.4	4.1	4.2	0.5	4.2	0.3%
Brunei	1.2	1.0	1.1	0.1	1.1	0.1%
China	17.3	17.4	16.1	2.1	15.5	1.2%
India	4.5	5.4	5.5	0.8	5.8	0.5%
Indonesia	9.0	5.1	4.0	0.5	3.7	0.3%
Malaysia	3.4	4.7	5.5	0.7	5.5	0.4%
Thailand	0.1	0.4	0.5	0.1	0.5	♦
Vietnam	0.1	1.9	3.4	0.6	4.7	0.4%
Other Asia Pacific	1.0	1.3	1.1	0.1	1.1	0.1%
Total Asia Pacific	39.9	41.3	41.3	5.6	42.0	3.3%
Total World	998.4	1068.5	1261.0	170.8	1258.0	100.0%
of which: European Union	8.3	8.9	6.7	0.8	6.3	0.5%
OECD	118.3	89.2	90.3	12.0	88.9	7.1%
OPEC	764.0	827.2	957.1	129.8	955.8	76.0%
Non-OPEC‡	173.5	157.6	174.7	23.6	174.4	13.9%
Former Soviet Union	60.9	83.8	129.2	17.4	127.8	10.2%
Canadian oil sands*	n/a	n/a	150.7	24.5	150.7	
Proved reserves and oil sands	n/a	n/a	1411.7	195.3	1408.7	

*More than 100 years.

†Less than 0.05.

♦Less than 0.05%.

‡Excludes Former Soviet Union.

•Remaining established reserves', less reserves 'under active development'.

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.

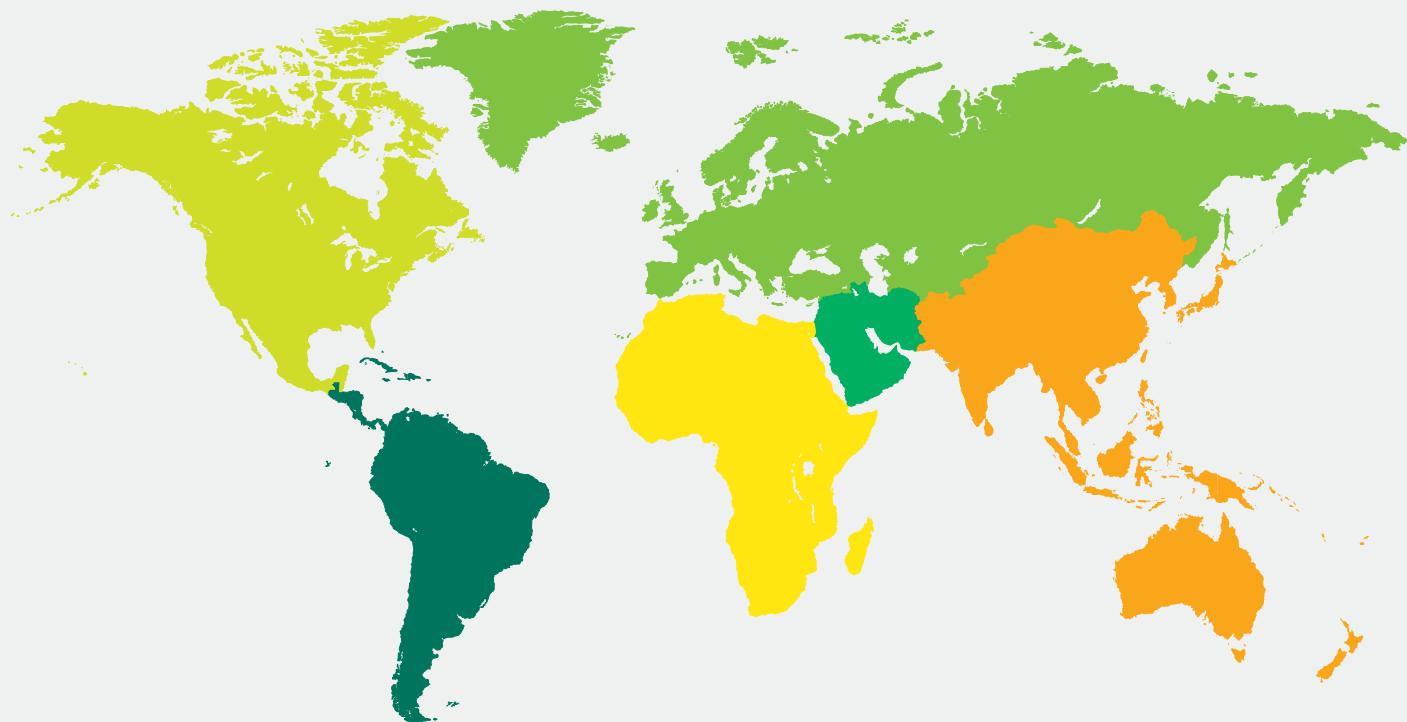
Reserves-to-production (R/P) ratio – If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

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 reserves based on information in the public domain. Canadian proved reserves include an official estimate of 22.0 billion barrels for oil sands 'under active development'. Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil.

Annual changes and shares of total are calculated using thousand million barrels figures.

Proved reserves at end 2008

Thousand million barrels

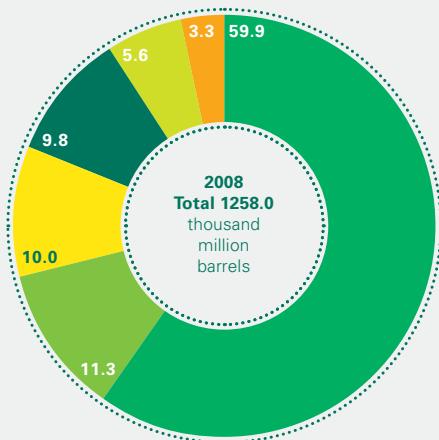
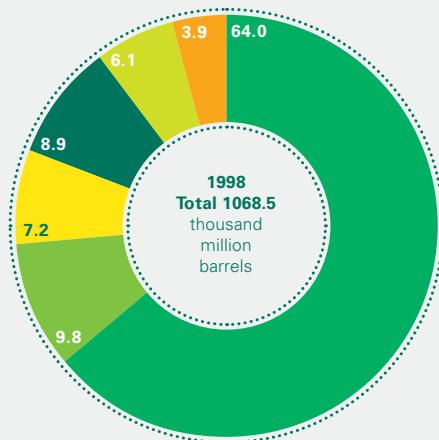
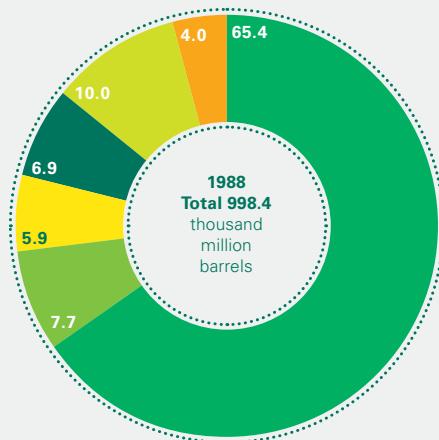


42.0 Asia Pacific	70.9 North America	123.2 S. & Cent. America	125.6 Africa	142.2 Europe & Eurasia	754.1 Middle East
----------------------	-----------------------	-----------------------------	-----------------	---------------------------	----------------------

Distribution of proved reserves in 1988, 1998 and 2008

Percentage

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





Production*

Thousand barrels daily	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	8011	7731	7733	7669	7626	7400	7228	6895	6841	6847	6736	-1.8%	7.8%
Canada	2672	2604	2721	2677	2858	3004	3085	3041	3208	3320	3238	-2.0%	4.0%
Mexico	3499	3343	3450	3560	3585	3789	3824	3760	3683	3471	3157	-9.1%	4.0%
Total North America	14182	13678	13904	13906	14069	14193	14137	13696	13732	13638	13131	-3.8%	15.8%
Argentina	890	847	819	830	818	806	754	725	716	699	682	-2.6%	0.9%
Brazil	1003	1133	1268	1337	1499	1555	1542	1716	1809	1833	1899	3.6%	2.4%
Colombia	775	838	711	627	601	564	551	554	559	561	618	10.3%	0.8%
Ecuador	385	383	409	416	401	427	535	541	545	520	514	-1.2%	0.7%
Peru	116	107	100	98	98	92	94	111	116	114	120	4.0%	0.1%
Trinidad & Tobago	134	141	138	135	155	164	152	171	174	154	149	-5.0%	0.2%
Venezuela	3480	3126	3239	3142	2895	2554	2907	2937	2808	2613	2566	-1.9%	3.4%
Other S. & Cent. America	125	124	130	137	152	153	144	143	141	143	138	-2.7%	0.2%
Total S. & Cent. America	6908	6699	6813	6722	6619	6314	6680	6899	6866	6636	6685	0.6%	8.5%
Azerbaijan	231	279	282	301	311	313	315	452	654	869	914	4.2%	1.1%
Denmark	238	299	363	348	371	368	390	377	342	311	287	-7.7%	0.4%
Italy	117	104	95	86	115	116	113	127	120	122	108	-10.9%	0.1%
Kazakhstan	537	631	744	836	1018	1111	1297	1356	1426	1484	1554	5.1%	1.8%
Norway	3138	3139	3346	3418	3333	3264	3189	2969	2779	2556	2455	-4.1%	2.9%
Romania	137	133	131	130	127	123	119	114	105	99	99	-0.4%	0.1%
Russian Federation	6169	6178	6536	7056	7698	8544	9287	9552	9769	9978	9886	-0.8%	12.4%
Turkmenistan	129	143	144	162	182	202	193	192	186	198	205	3.8%	0.3%
United Kingdom	2807	2909	2667	2476	2463	2257	2028	1809	1636	1638	1544	-6.3%	1.8%
Uzbekistan	191	191	177	171	171	166	152	126	125	114	111	-2.7%	0.1%
Other Europe & Eurasia	506	474	465	465	501	509	496	468	457	451	427	-5.3%	0.5%
Total Europe & Eurasia	14199	14480	14950	15450	16289	16973	17579	17541	17598	17819	17591	-1.3%	21.7%
Iran	3855	3603	3818	3794	3543	4183	4248	4233	4282	4322	4325	-0.2%	5.3%
Iraq	2121	2610	2614	2523	2116	1344	2030	1833	1999	2144	2423	13.0%	3.0%
Kuwait	2232	2085	2206	2148	1995	2329	2475	2618	2690	2636	2784	5.3%	3.5%
Oman	905	911	959	961	900	824	785	782	747	701	728	3.7%	0.9%
Qatar	701	723	757	754	764	879	992	1028	1110	1197	1378	13.2%	1.5%
Saudi Arabia	9502	8853	9491	9209	8928	10164	10638	11114	10853	10449	10846	4.0%	13.1%
Syria	576	579	548	581	548	527	495	450	435	415	398	-4.1%	0.5%
United Arab Emirates	2643	2511	2626	2534	2324	2611	2656	2753	2971	2925	2980	2.0%	3.6%
Yemen	380	405	450	455	457	448	420	416	380	345	305	-11.6%	0.4%
Other Middle East	49	48	48	47	48	48	48	34	32	35	33	-5.7%	♦
Total Middle East	22964	22328	23516	23006	21623	23357	24788	25262	25499	25168	26200	4.0%	31.9%
Algeria	1461	1515	1578	1562	1680	1852	1946	2015	2003	2016	1993	-1.3%	2.2%
Angola	731	745	746	742	905	862	976	1246	1421	1720	1875	9.1%	2.3%
Cameroon	105	95	88	81	72	67	89	82	87	82	84	2.3%	0.1%
Chad	—	—	—	—	—	24	168	173	153	144	127	-11.5%	0.2%
Republic of Congo (Brazzaville)	264	266	254	234	231	215	216	246	262	222	249	12.3%	0.3%
Egypt	857	827	781	758	751	749	721	696	697	710	722	1.3%	0.9%
Equatorial Guinea	83	100	91	177	204	242	345	373	358	368	361	-2.1%	0.5%
Gabon	337	340	327	301	295	240	235	234	235	230	235	2.2%	0.3%
Libya	1480	1425	1475	1427	1375	1485	1624	1751	1834	1848	1846	-0.1%	2.2%
Nigeria	2167	2066	2155	2274	2103	2263	2502	2580	2474	2356	2170	-8.0%	2.7%
Sudan	12	63	174	217	241	265	301	305	331	468	480	2.6%	0.6%
Tunisia	85	84	78	71	74	68	71	73	70	97	89	-8.9%	0.1%
Other Africa	63	56	56	53	63	71	75	72	66	59	54	-8.5%	0.1%
Total Africa	7644	7583	7804	7897	7994	8402	9268	9846	9992	10320	10285	-0.4%	12.4%
Australia	644	625	809	733	730	624	582	580	554	567	556	-1.5%	0.6%
Brunei	157	182	193	203	210	214	210	206	221	194	175	-10.1%	0.2%
China	3212	3213	3252	3306	3346	3401	3481	3627	3684	3743	3795	1.4%	4.8%
India	737	736	726	727	753	756	773	738	762	770	766	-0.5%	0.9%
Indonesia	1520	1408	1456	1389	1289	1183	1129	1087	1017	969	1004	3.2%	1.2%
Malaysia	779	737	735	719	757	776	793	744	717	743	754	1.8%	0.9%
Thailand	130	140	176	191	204	236	223	265	286	309	325	5.5%	0.3%
Vietnam	245	296	328	350	354	364	427	398	367	337	317	-6.0%	0.4%
Other Asia Pacific	217	218	200	195	193	195	186	201	203	229	237	3.1%	0.3%
Total Asia Pacific	7641	7556	7874	7813	7836	7750	7804	7845	7810	7862	7928	0.9%	9.7%
Total World	73538	72325	74861	74794	74431	76990	80256	81089	81497	81443	81820	0.4%	100.0%
of which: European Union	3553	3684	3493	3285	3339	3128	2902	2659	2422	2388	2239	-6.6%	2.7%
OECD	21500	21103	21521	21303	21430	21165	20766	19861	19458	19148	18400	-4.0%	22.0%
OPEC	32277	31054	32569	31914	30318	32136	34658	35736	36007	35714	36705	2.7%	44.8%
Non-OPEC‡	33870	33719	34278	34220	34580	34355	34191	33513	33171	32930	32295	-2.0%	39.3%
Former Soviet Union	7391	7552	8014	8660	9533	10499	11407	11839	12318	12799	12821	0.2%	16.0%

*Includes crude oil, shale 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 coal derivatives.

†Excludes Former Soviet Union.

‡Less than 0.05%.

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

Growth rates are adjusted for leap years.



Production*

Million tonnes	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	368.1	352.6	352.6	349.2	346.8	338.4	329.2	313.3	310.2	309.8	305.1	-1.8%	7.8%
Canada	125.1	121.0	126.9	126.1	135.0	142.6	147.6	144.9	153.4	159.5	156.7	-2.0%	4.0%
Mexico	173.5	165.2	171.2	176.6	178.4	188.8	190.7	187.1	183.1	172.7	157.4	-9.1%	4.0%
Total North America	666.7	638.8	650.8	651.8	660.2	669.8	667.4	645.3	646.7	642.0	619.2	-3.8%	15.8%
Argentina	44.0	41.8	40.4	41.5	40.9	40.2	37.8	36.2	35.8	34.9	34.1	-2.6%	0.9%
Brazil	49.8	56.3	63.2	66.3	74.4	77.0	76.5	84.6	89.2	90.4	93.9	3.6%	2.4%
Colombia	38.5	41.6	35.3	31.0	29.7	27.9	27.3	27.3	27.5	27.6	30.5	10.3%	0.8%
Ecuador	19.6	19.5	20.9	21.2	20.4	21.7	27.3	27.6	27.7	26.5	26.2	-1.2%	0.7%
Peru	5.7	5.2	4.9	4.8	4.8	4.5	4.4	5.0	5.1	5.1	5.3	4.0%	0.1%
Trinidad & Tobago	6.7	6.9	6.8	6.5	7.5	7.9	7.3	8.3	8.3	7.2	6.9	-5.0%	0.2%
Venezuela	179.6	160.9	167.3	161.6	148.8	131.4	150.0	151.0	144.2	133.9	131.6	-1.9%	3.4%
Other S. & Cent. America	6.2	6.2	6.6	6.9	7.8	7.8	7.3	7.2	7.1	7.2	7.0	-2.7%	0.2%
Total S. & Cent. America	350.0	338.4	345.3	339.9	334.2	318.3	337.9	347.1	345.0	332.7	335.6	0.6%	8.5%
Azerbaijan	11.4	13.9	14.1	15.0	15.4	15.5	15.6	22.4	32.5	42.8	44.7	4.2%	1.1%
Denmark	11.6	14.6	17.7	17.0	18.1	17.9	19.1	18.4	16.7	15.2	14.0	-7.7%	0.4%
Italy	5.6	5.0	4.6	4.1	5.5	5.6	5.5	6.1	5.8	5.9	5.2	-10.9%	0.1%
Kazakhstan	25.9	30.1	35.3	40.1	48.2	52.4	60.6	62.6	66.1	68.4	72.0	5.1%	1.8%
Norway	149.6	149.7	160.2	162.0	157.3	153.0	149.9	138.2	128.7	118.8	114.2	-4.1%	2.9%
Romania	6.6	6.4	6.3	6.2	6.1	5.9	5.7	5.4	5.0	4.7	4.7	-0.4%	0.1%
Russian Federation	304.3	304.8	323.3	348.1	379.6	421.4	458.8	470.0	480.5	491.3	488.5	-0.8%	12.4%
Turkmenistan	6.4	7.1	7.2	8.0	9.0	10.0	9.6	9.5	9.2	9.8	10.2	3.8%	0.3%
United Kingdom	132.6	137.4	126.2	116.7	115.9	106.1	95.4	84.7	76.6	76.8	72.2	-6.3%	1.8%
Uzbekistan	8.2	8.1	7.5	7.2	7.2	7.1	6.6	5.4	5.4	4.9	4.8	-2.7%	0.1%
Other Europe & Eurasia	24.2	22.7	22.4	22.2	23.6	24.0	23.4	21.9	21.6	21.4	20.3	-5.3%	0.5%
Total Europe & Eurasia	686.5	699.6	724.7	746.6	786.0	818.9	850.1	844.8	848.0	860.0	851.0	-1.3%	21.7%
Iran	190.8	178.1	189.4	186.5	172.7	203.7	207.9	206.2	208.0	209.7	209.8	-0.2%	5.3%
Iraq	104.2	128.3	128.8	123.9	104.0	66.1	100.0	90.0	98.1	105.3	119.3	13.0%	3.0%
Kuwait	110.0	102.6	109.1	105.8	98.2	114.8	122.3	129.3	132.7	129.9	137.3	5.3%	3.5%
Oman	44.7	45.0	47.6	47.5	44.5	40.7	38.9	38.6	36.9	34.6	36.0	3.7%	0.9%
Qatar	33.6	34.3	36.1	35.7	35.2	40.8	46.0	47.3	50.9	53.6	60.8	13.2%	1.5%
Saudi Arabia	455.7	423.6	456.3	440.6	425.3	485.1	506.0	526.8	514.3	494.2	515.3	4.0%	13.1%
Syria	28.6	28.8	27.3	28.9	27.2	26.2	24.7	22.4	21.6	20.6	19.8	-4.1%	0.5%
United Arab Emirates	123.5	117.4	123.1	118.2	108.4	122.2	124.7	129.0	139.0	136.4	139.5	2.0%	3.6%
Yemen	18.0	19.2	21.3	21.5	21.5	21.1	19.9	19.6	17.9	16.3	14.4	-11.6%	0.4%
Other Middle East	2.3	2.2	2.2	2.2	2.2	2.2	1.6	1.4	1.6	1.6	1.5	-5.7%	♦
Total Middle East	1111.3	1079.4	1141.2	1110.8	1039.4	1123.0	1192.7	1210.8	1221.0	1202.2	1253.7	4.0%	31.9%
Algeria	61.8	63.9	66.8	65.8	70.9	79.0	83.6	86.4	86.2	86.5	85.6	-1.3%	2.2%
Angola	36.0	36.7	36.9	36.6	44.6	42.5	48.2	61.2	69.7	84.3	92.2	9.1%	2.3%
Cameroon	5.3	4.8	4.5	4.1	3.6	3.4	4.5	4.2	4.4	4.2	4.3	2.3%	0.1%
Chad	—	—	—	—	—	1.2	8.8	9.1	8.0	7.5	6.7	-11.5%	0.2%
Republic of Congo (Brazzaville)	13.6	13.7	13.1	12.1	11.9	11.1	11.2	12.7	13.5	11.5	12.9	12.3%	0.3%
Egypt	43.0	41.4	38.8	37.3	37.0	36.8	35.4	33.9	33.7	34.1	34.6	1.3%	0.9%
Equatorial Guinea	4.1	5.0	4.5	8.8	10.1	12.0	17.1	18.5	17.7	18.2	17.9	-2.1%	0.5%
Gabon	16.8	17.0	16.4	15.0	14.7	12.0	11.8	11.7	11.7	11.5	11.8	2.2%	0.3%
Libya	69.6	67.0	69.5	67.1	64.6	69.8	76.6	82.1	85.6	86.0	86.2	-0.1%	2.2%
Nigeria	106.0	100.8	105.4	110.8	102.3	110.3	121.9	125.4	120.0	114.2	105.3	-8.0%	2.7%
Sudan	0.6	3.1	8.6	10.7	11.9	13.1	14.9	15.0	16.3	23.1	23.7	2.6%	0.6%
Tunisia	4.0	4.0	3.7	3.4	3.5	3.2	3.4	3.4	3.3	4.6	4.2	-8.9%	0.1%
Other Africa	3.0	2.7	2.7	2.5	3.0	3.5	3.6	3.5	3.2	2.9	2.7	-8.5%	0.1%
Total Africa	363.9	360.0	370.9	374.1	378.1	397.8	440.9	467.2	473.3	488.5	488.1	-0.4%	12.4%
Australia	27.4	26.7	35.3	31.8	31.5	26.6	24.8	24.5	23.4	24.1	23.8	-1.5%	0.6%
Brunei	7.6	8.9	9.4	9.9	10.2	10.5	10.3	10.1	10.8	9.5	8.5	-10.1%	0.2%
China	160.2	160.2	162.6	164.8	166.9	169.6	174.1	180.8	183.7	186.7	189.7	1.4%	4.8%
India	34.7	34.6	34.2	34.1	35.2	35.4	36.3	34.6	35.8	36.2	36.1	-0.5%	0.9%
Indonesia	74.2	68.6	71.5	68.0	63.0	57.7	55.2	53.0	49.9	47.4	49.1	3.2%	1.2%
Malaysia	35.7	33.9	33.7	32.9	34.5	35.6	36.5	33.9	32.5	33.6	34.3	1.8%	0.9%
Thailand	5.0	5.4	7.0	7.5	8.2	9.6	9.1	10.8	11.8	12.7	13.4	5.5%	0.3%
Vietnam	12.1	14.6	16.2	17.1	17.3	17.7	20.8	19.4	17.8	16.4	15.4	-6.0%	0.4%
Other Asia Pacific	10.1	10.2	9.4	9.1	9.0	9.1	8.7	9.3	9.3	10.5	10.9	3.1%	0.3%
Total Asia Pacific	367.1	363.1	379.2	375.2	375.7	371.8	375.8	376.4	375.0	377.0	381.2	0.9%	9.7%
Total World	3545.4	3479.3	3612.1	3598.4	3573.6	3699.6	3864.8	3891.6	3908.8	3902.3	3928.8	0.4%	100.0%
of which: European Union	168.5	174.8	166.3	155.6	158.2	148.2	137.7	125.7	114.6	113.1	105.9	-6.6%	2.7%
OECD	1011.5	988.9	1011.1	999.5	1005.3	995.6	977.9	931.8	912.0	898.0	864.1	-4.0%	22.0%
OPEC	1564.4	1501.5	1581.0	1541.6	1458.4	1545.1	1669.7	1715.4	1726.3	1707.8	1758.3	2.7%	44.8%
Non-OPEC‡	1618.5	1607.8	1637.7	1632.2	1649.0	1640.9	1636.6	1599.0	1581.7	1570.3	1543.6	-2.0%	39.3%
Former Soviet Union	362.5	370.0	393.4	424.6	466.2	513.6	558.5	577.1	600.8	624.2	627.0	0.2%	16.0%

*Includes crude oil, shale 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 coal derivatives.

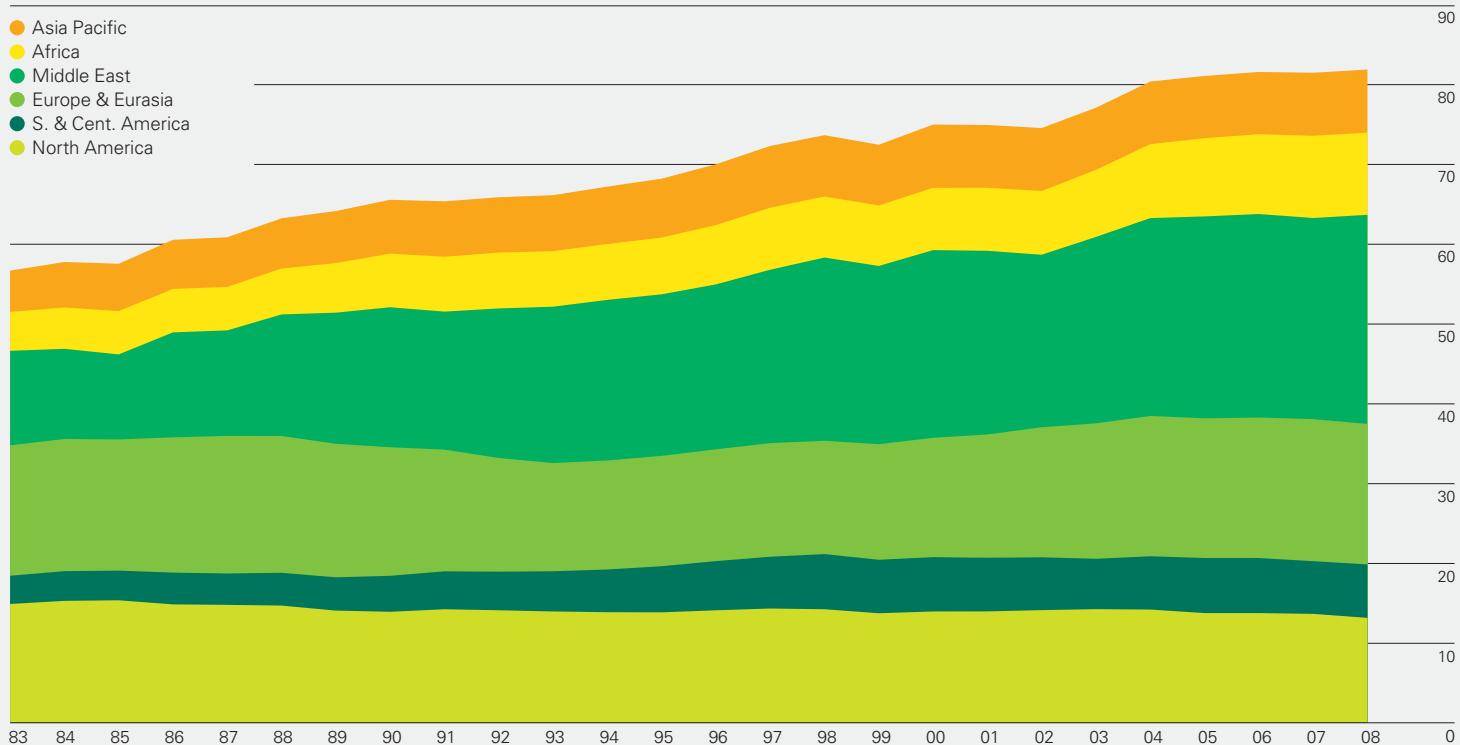
†Excludes Former Soviet Union.

‡Less than 0.05%.

Note: Growth rates are adjusted for leap years.

Production by region

Million barrels daily

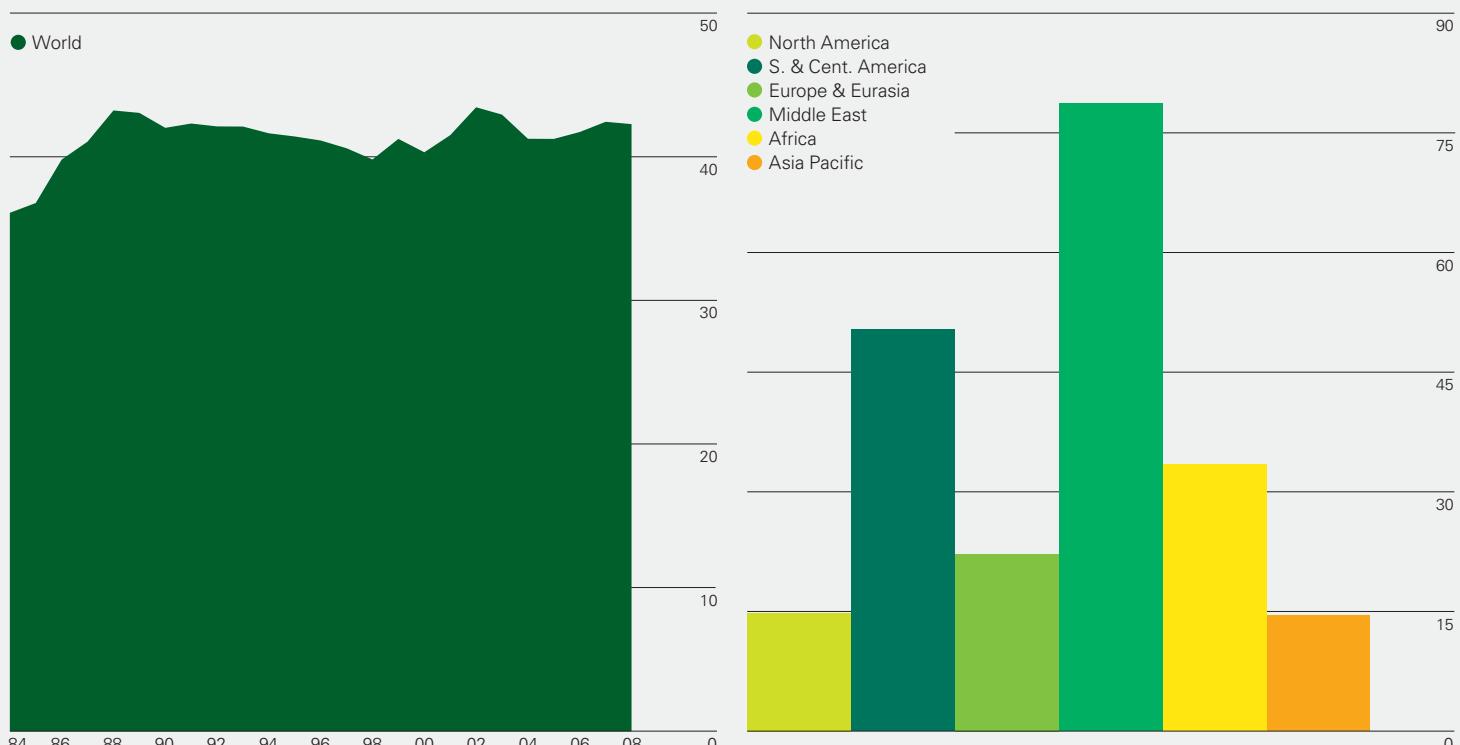


World oil production increased by 380,000b/d in 2008. OPEC production increased by 990,000b/d despite production cuts instituted late in the year. Saudi Arabia saw the largest production increase, with output rising by 400,000b/d. Russian production fell by 90,000b/d, the first decline since 1998. OECD production fell by 750,000b/d, with Mexico registering the world's largest decline (310,000b/d).

Reserves-to-production (R/P) ratios

Years

2008 by region



Global proved oil reserves in 2008 fell by 3 billion barrels to 1,258 billion barrels, with an R/P ratio of 42 years. Declines in Russia, Norway, China and other countries offset increases in Vietnam, India and Egypt. The 2007 figure has been revised higher by 23.1 billion barrels, with the largest upward revisions in Venezuela and Angola.



Consumption*

Thousand barrels daily	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	18917	19519	19701	19649	19761	20033	20732	20802	20687	20680	19419	-6.4%	22.5%
Canada	1913	1926	1937	2023	2067	2132	2248	2247	2246	2323	2295	-1.0%	2.6%
Mexico	1844	1842	1910	1899	1837	1885	1918	1974	1970	2027	2039	0.5%	2.3%
Total North America	22674	23286	23548	23571	23665	24050	24898	25023	24904	25030	23753	-5.4%	27.4%
Argentina	467	445	431	405	364	372	388	414	432	487	508	4.1%	0.6%
Brazil	2034	2114	2056	2082	2063	1985	1999	2048	2102	2274	2397	5.3%	2.7%
Chile	247	249	236	230	228	228	240	254	264	346	358	3.8%	0.4%
Colombia	266	238	232	245	222	222	223	230	240	234	234	0.3%	0.3%
Ecuador	145	131	129	132	131	137	141	168	182	196	204	4.0%	0.2%
Peru	155	159	155	148	147	140	153	152	147	154	172	10.8%	0.2%
Venezuela	475	474	496	545	594	479	523	576	607	665	719	8.1%	0.8%
Other S. & Cent. America	1152	1166	1173	1223	1228	1267	1271	1288	1323	1324	1308	-1.3%	1.6%
Total S. & Cent. America	4942	4976	4908	5009	4977	4830	4938	5129	5297	5681	5901	3.7%	6.9%
Austria	255	250	244	265	271	293	285	294	294	278	278	-0.1%	0.3%
Azerbaijan	116	111	123	81	74	86	92	108	99	92	71	-25.9%	0.1%
Belarus	175	154	143	149	145	148	153	146	165	157	159	0.9%	0.2%
Belgium & Luxembourg	656	670	702	669	691	748	785	815	839	832	836	0.4%	1.1%
Bulgaria	100	93	84	87	98	115	105	109	116	117	120	2.1%	0.1%
Czech Republic	174	174	169	179	174	185	203	211	208	206	210	1.4%	0.3%
Denmark	223	222	215	205	200	193	189	195	197	196	189	-4.0%	0.2%
Finland	221	224	224	222	226	239	224	233	225	226	225	-1.2%	0.3%
France	2016	2044	2007	2023	1967	1965	1978	1960	1956	1921	1930	0.7%	2.3%
Germany	2915	2824	2763	2804	2714	2664	2634	2605	2624	2393	2505	4.9%	3.0%
Greece	375	384	407	412	416	405	438	436	454	445	438	-1.5%	0.5%
Hungary	157	151	145	142	140	138	142	163	169	169	169	-0.2%	0.2%
Iceland	18	18	19	18	19	18	20	21	20	21	19	-9.1%	♦
Republic of Ireland	152	172	170	185	182	178	185	196	195	198	190	4.4%	0.2%
Italy	1974	1980	1956	1946	1943	1927	1873	1819	1813	1759	1691	-3.9%	2.1%
Kazakhstan	176	147	158	186	193	183	187	207	227	244	229	-6.4%	0.3%
Lithuania	76	63	49	56	53	51	55	58	59	59	64	9.4%	0.1%
Netherlands	854	880	897	942	952	962	1003	1070	1043	962	982	0.8%	1.2%
Norway	215	216	201	213	208	219	210	212	217	222	210	-4.4%	0.2%
Poland	424	431	427	415	420	435	460	479	516	535	545	2.6%	0.6%
Portugal	322	330	324	327	338	317	322	331	300	302	286	-5.1%	0.3%
Romania	242	195	203	217	226	199	230	223	219	223	227	2.2%	0.3%
Russian Federation	2554	2625	2583	2566	2606	2622	2619	2601	2709	2706	2797	3.1%	3.3%
Slovakia	80	73	73	68	76	71	68	81	82	86	89	3.2%	0.1%
Spain	1381	1423	1452	1508	1526	1559	1593	1619	1602	1617	1574	-2.5%	2.0%
Sweden	338	337	318	318	317	332	319	315	322	308	302	-1.5%	0.4%
Switzerland	279	271	263	281	267	259	258	262	269	243	258	6.4%	0.3%
Turkey	640	638	677	645	656	662	667	656	635	656	690	5.8%	0.8%
Turkmenistan	75	80	79	83	86	95	95	100	118	121	123	1.7%	0.1%
Ukraine	302	272	255	273	278	286	293	294	318	325	326	0.5%	0.4%
United Kingdom	1741	1721	1697	1693	1717	1764	1802	1785	1714	1714	1704	-1.0%	2.0%
Uzbekistan	146	143	138	135	130	148	134	112	105	111	113	1.5%	0.1%
Other Europe & Eurasia	462	428	404	428	454	496	512	549	562	585	610	4.3%	0.7%
Total Europe & Eurasia	19831	19745	19568	19747	19738	19915	20092	20285	20463	20031	20158	0.6%	24.3%
Iran	1194	1221	1301	1314	1413	1498	1558	1620	1693	1693	1730	2.1%	2.1%
Kuwait	180	202	202	206	222	238	266	295	267	269	300	11.7%	0.4%
Qatar	34	33	36	40	54	48	53	62	75	90	104	16.5%	0.1%
Saudi Arabia	1262	1302	1426	1471	1505	1616	1670	1756	1841	2054	2224	8.1%	2.7%
United Arab Emirates	283	271	255	292	320	333	355	376	402	425	467	10.6%	0.6%
Other Middle East	1304	1338	1382	1431	1433	1404	1467	1508	1539	1554	1599	2.7%	2.0%
Total Middle East	4258	4367	4602	4754	4948	5138	5370	5617	5817	6084	6423	5.5%	7.8%
Algeria	194	187	192	200	222	231	240	251	260	288	311	8.3%	0.4%
Egypt	559	573	564	548	534	550	567	629	610	650	693	6.4%	0.8%
South Africa	450	461	475	486	499	512	523	526	537	549	558	1.7%	0.7%
Other Africa	1161	1216	1200	1218	1228	1244	1269	1322	1290	1288	1319	2.4%	1.6%
Total Africa	2364	2438	2432	2452	2484	2537	2600	2728	2696	2776	2881	3.8%	3.4%
Australia	825	843	837	845	846	851	856	886	918	925	936	1.5%	1.1%
Bangladesh	76	68	66	80	80	83	83	94	93	94	95	1.9%	0.1%
China	4228	4477	4772	4872	5288	5803	6772	6984	7382	7742	7999	3.3%	9.6%
China Hong Kong SAR	185	194	202	244	268	270	316	287	305	324	294	-9.4%	0.4%
India	1963	2134	2254	2284	2374	2420	2573	2569	2580	2748	2882	4.8%	3.4%
Indonesia	914	980	1064	1086	1138	1141	1225	1231	1173	1201	1217	1.5%	1.5%
Japan	5504	5598	5557	5422	5347	5440	5269	5343	5213	5039	4845	-3.5%	5.6%
Malaysia	404	435	435	442	482	473	485	469	459	481	475	-1.4%	0.6%
New Zealand	127	129	131	134	139	149	150	154	156	156	158	1.2%	0.2%
Pakistan	350	363	373	366	357	321	325	312	356	388	389	0.2%	0.5%
Philippines	392	375	348	347	331	331	338	315	284	300	288	-4.0%	0.3%
Singapore	651	619	654	716	699	668	748	794	853	916	958	5.0%	1.3%
South Korea	2030	2178	2229	2235	2282	2300	2283	2308	2317	2389	2291	-4.9%	2.6%
Taiwan	786	964	1003	991	999	1069	1084	1090	1097	1123	1074	-4.8%	1.3%
Thailand	691	698	669	656	705	746	824	852	834	823	797	-4.1%	0.9%
Other Asia Pacific	432	447	479	506	528	537	568	596	601	629	641	1.8%	0.8%
Total Asia Pacific	19559	20501	21073	21225	21863	22601	23899	24283	24620	25277	25339	0.2%	30.1%
Total World	73628	75313	76132	76758	77675	79071	81796	83065	83797	84878	84455	-0.6%	100.0%
of which: European Union	14849	14813	14692	14861	14797	14867	15032	15205	15211	14746	14765	0.1%	17.9%
OECD	46569	47467	47651	47692	47675	48276	49073	49490	49274	48830	47303	-3.2%	55.5%
Former Soviet Union	3741	3700	3623	3627	3667	3745	3760	3772	3948	3973	4045	1.5%	4.8%
Other EMEs	23319	24146	24859	25440	26333	27050	28963	29804	30575	32075	33108	3.1%	39.7%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of fuel ethanol and biodiesel is also included.



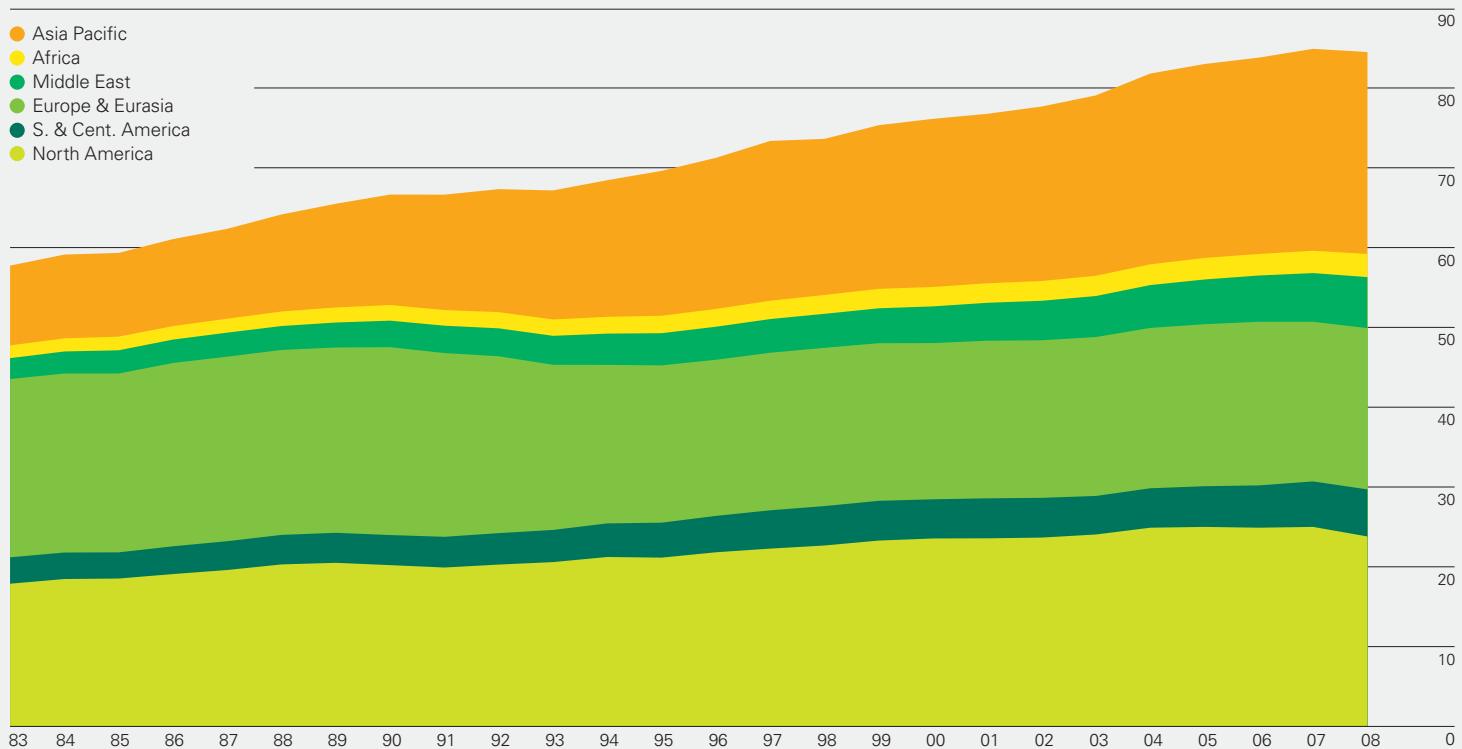
Consumption*

Million tonnes	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	863.8	888.9	897.6	896.1	897.4	912.3	948.8	951.4	943.8	942.3	884.5	-6.4%	22.5%
Canada	86.7	87.2	88.1	90.5	92.2	95.9	100.6	100.3	99.6	102.8	102.0	-1.0%	2.6%
Mexico	82.8	82.4	85.7	85.0	81.5	83.7	85.2	87.7	86.8	89.4	90.0	0.5%	2.3%
Total North America	1033.3	1058.4	1071.4	1071.6	1071.1	1091.8	1134.6	1139.4	1130.2	1134.5	1076.6	-5.4%	27.4%
Argentina	22.1	21.0	20.3	19.1	17.1	17.6	18.4	19.7	20.6	23.2	24.2	4.1%	0.6%
Brazil	90.0	92.5	91.6	92.9	91.6	87.8	88.4	90.1	92.8	99.8	105.3	5.3%	2.7%
Chile	11.4	11.5	10.8	10.5	10.4	10.5	11.1	11.7	12.3	16.1	16.8	3.8%	0.4%
Colombia	12.0	10.6	10.5	11.1	10.0	10.0	10.1	10.3	10.8	10.7	10.7	0.3%	0.3%
Ecuador	6.6	6.0	5.8	5.9	5.9	6.2	6.3	7.5	8.2	8.9	9.3	4.0%	0.2%
Peru	7.4	7.5	7.4	7.0	6.9	6.5	7.2	7.0	6.8	7.1	7.9	10.8%	0.2%
Venezuela	21.6	21.3	22.5	24.8	27.0	22.0	24.2	25.9	27.4	30.0	32.5	8.1%	0.8%
Other S. & Cent. America	56.2	56.8	57.0	59.6	59.8	61.5	61.8	62.4	64.1	64.2	63.6	-1.3%	1.6%
Total S. & Cent. America	227.3	227.3	225.9	230.9	228.7	222.1	227.5	234.8	243.0	260.0	270.3	3.7%	6.9%
Austria	12.3	12.1	11.8	12.8	13.0	14.1	13.8	14.2	14.2	13.4	13.4	-0.1%	0.3%
Azerbaijan	5.9	5.7	6.3	4.0	3.7	4.3	4.6	5.3	4.9	4.5	3.3	-25.9%	0.1%
Belarus	8.6	7.6	7.0	7.3	7.1	7.2	7.4	7.1	8.0	7.6	7.7	0.9%	0.2%
Belgium & Luxembourg	31.6	32.4	33.9	32.2	33.5	36.4	38.4	39.9	41.1	41.0	41.3	0.4%	1.1%
Bulgaria	4.8	4.5	3.9	4.0	4.5	5.2	4.7	4.9	5.2	5.3	5.4	2.1%	0.1%
Czech Republic	8.3	8.2	7.9	8.4	8.1	8.7	9.5	9.9	9.8	9.7	9.9	1.4%	0.3%
Denmark	10.7	10.6	10.4	9.8	9.6	9.2	9.1	9.2	9.3	9.3	8.9	-4.0%	0.2%
Finland	10.5	10.7	10.7	10.5	10.9	11.4	10.6	11.0	10.6	10.6	10.5	-1.2%	0.3%
France	95.0	96.4	94.9	95.5	92.9	93.1	94.0	93.1	93.0	91.3	92.2	0.7%	2.3%
Germany	136.6	132.4	129.8	131.6	127.4	125.1	124.0	122.4	123.6	112.5	118.3	4.9%	3.0%
Greece	18.3	18.7	19.9	20.1	20.3	19.7	21.4	21.2	22.2	21.7	21.4	-1.5%	0.5%
Hungary	7.4	7.1	6.8	6.7	6.4	6.3	6.5	7.5	7.8	7.7	7.7	-0.2%	0.2%
Iceland	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	-9.1%	◆
Republic of Ireland	7.4	8.3	8.2	9.0	8.8	8.5	8.9	9.4	9.3	9.4	9.0	-4.4%	0.2%
Italy	94.7	94.4	93.5	92.8	92.9	92.1	89.7	86.7	86.7	84.0	80.9	-3.9%	2.1%
Kazakhstan	8.5	7.0	7.4	8.9	9.3	8.8	9.0	10.0	11.0	11.6	10.9	-6.4%	0.3%
Lithuania	3.8	3.1	2.4	2.7	2.5	2.4	2.6	2.8	2.8	2.8	3.1	9.4%	0.1%
Netherlands	39.4	40.6	41.7	43.7	43.8	44.1	46.2	49.6	49.0	46.0	46.5	0.8%	1.2%
Norway	10.0	10.1	9.4	9.7	9.4	9.9	9.6	9.7	10.0	10.2	9.8	-4.4%	0.2%
Poland	19.9	19.9	20.0	19.2	19.4	19.9	21.1	23.3	24.2	24.9	2.6%	0.6%	
Portugal	15.5	15.9	15.5	15.8	16.2	15.2	15.4	16.0	14.4	14.4	13.7	-5.1%	0.3%
Romania	12.0	9.5	10.0	10.6	10.6	9.4	10.9	10.5	10.3	10.6	2.2%	0.3%	
Russian Federation	123.7	126.2	123.5	122.3	123.5	123.4	123.3	121.9	127.1	126.2	130.4	3.1%	3.3%
Slovakia	3.8	3.4	3.4	3.2	3.5	3.3	3.2	3.8	4.0	4.1	4.3	3.2%	0.1%
Spain	66.4	68.4	70.0	72.7	73.8	75.5	77.6	78.8	78.1	78.8	77.1	-2.5%	2.0%
Sweden	16.2	16.1	15.2	15.2	15.2	15.9	15.3	15.1	15.5	14.7	14.5	-1.5%	0.4%
Switzerland	13.0	12.6	12.2	13.1	12.4	12.1	12.0	12.2	12.6	11.3	12.1	6.4%	0.3%
Turkey	29.6	29.5	31.1	29.9	30.6	31.0	31.0	30.2	29.5	30.5	32.3	5.8%	0.8%
Turkmenistan	3.4	3.6	3.6	3.7	3.8	4.2	4.2	4.4	5.3	5.4	5.5	1.7%	0.1%
Ukraine	14.3	12.7	12.0	12.7	13.1	13.5	13.9	13.9	15.0	15.3	15.5	0.5%	0.4%
United Kingdom	80.7	79.4	78.6	78.4	78.0	79.0	81.7	83.0	82.3	79.2	78.7	-1.0%	2.0%
Uzbekistan	7.1	6.9	6.7	6.5	6.3	7.2	6.5	5.5	5.1	5.4	5.5	1.5%	0.1%
Other Europe & Eurasia	22.2	20.8	19.5	20.7	21.9	23.8	24.5	26.2	26.9	27.9	29.2	4.3%	0.7%
Total Europe & Eurasia	942.2	935.5	928.1	934.5	933.5	940.9	951.6	958.3	968.5	947.6	955.5	0.6%	24.3%
Iran	57.5	58.8	62.5	62.6	67.1	71.0	73.7	77.3	80.8	81.3	83.3	2.1%	2.1%
Kuwait	9.1	10.3	10.4	10.5	11.4	12.2	13.7	15.2	13.6	13.6	15.3	11.7%	0.4%
Qatar	1.4	1.4	1.5	1.7	2.4	2.1	2.3	2.7	3.3	4.0	4.6	16.5%	0.1%
Saudi Arabia	61.4	63.4	68.1	69.3	70.6	75.5	79.5	83.0	87.4	96.1	104.2	8.1%	2.7%
United Arab Emirates	14.4	13.7	12.8	14.6	15.9	16.3	17.4	18.3	19.5	20.7	22.9	10.6%	0.6%
Other Middle East	63.3	64.8	67.1	69.3	69.4	70.7	72.3	73.7	74.4	76.6	76.6	2.7%	2.0%
Total Middle East	207.1	212.4	222.3	228.1	236.7	245.0	257.2	268.7	278.3	290.1	306.9	5.5%	7.8%
Algeria	8.2	8.1	8.5	8.8	9.7	10.1	10.6	11.0	11.5	12.9	14.0	8.3%	0.4%
Egypt	27.3	27.8	27.2	26.1	25.2	25.9	26.8	29.8	28.7	30.6	32.6	6.4%	0.8%
South Africa	21.3	21.8	22.5	23.0	23.6	24.2	24.8	24.8	25.3	25.8	26.3	1.7%	0.7%
Other Africa	55.0	57.7	56.9	57.6	58.0	58.5	59.8	62.3	60.9	60.7	62.3	2.4%	1.6%
Total Africa	111.8	115.4	115.1	115.4	116.7	118.8	122.0	128.0	126.3	129.9	135.2	3.8%	3.4%
Australia	37.0	38.0	37.7	38.1	38.0	38.3	38.8	39.8	41.4	41.7	42.5	1.5%	1.1%
Bangladesh	3.7	3.3	3.2	3.9	3.9	4.0	4.0	4.6	4.5	4.5	4.6	1.9%	0.1%
China	197.0	209.6	223.6	227.9	247.4	271.7	318.9	327.8	346.1	362.8	375.7	3.3%	9.6%
China Hong Kong SAR	8.9	9.3	9.7	11.8	12.9	13.0	15.4	13.9	14.9	16.0	14.5	-9.4%	0.4%
India	92.5	100.3	106.1	107.0	111.3	113.1	120.2	119.6	120.4	128.5	135.0	4.8%	3.4%
Indonesia	43.5	46.8	50.7	51.6	54.2	54.0	58.1	58.2	55.2	56.4	57.4	1.5%	1.5%
Japan	253.6	257.3	255.5	247.5	243.6	248.9	241.1	244.1	237.5	229.3	221.8	-3.5%	5.6%
Malaysia	18.8	20.1	20.1	20.3	22.1	21.7	22.4	21.5	21.0	22.0	21.8	-1.4%	0.6%
New Zealand	5.9	6.0	6.1	6.2	6.4	6.9	6.9	7.1	7.2	7.2	7.3	1.2%	0.2%
Pakistan	17.6	18.2	18.8	18.3	17.9	15.8	16.0	15.3	17.6	19.2	19.3	0.2%	0.5%
Philippines	19.1	18.0	16.6	16.5	15.5	15.5	15.9	14.8	13.3	14.0	13.4	-4.0%	0.3%
Singapore	33.3	31.6	33.5	36.4	35.5	33.9	38.1	40.9	44.0	47.4	49.9	5.0%	1.3%
South Korea	93.9	100.7	103.2	103.1	104.7	105.6	104.9	105.4	105.5	108.3	103.3	-4.9%	2.6%
Taiwan	39.1	47.2	49.1	47.4	47.6	50.9	51.3	51.3	51.7	52.5	50.1	-4.8%	1.3%
Thailand	33.0	33.4	31.7	30.6	33.1	35.1	39.1	40.4	39.3	38.2	36.7	-4.1%	0.9%
Other Asia Pacific	20.5	21.2	22.8	24.0	25.0	25.3	26.7	27.9	28.1	29.4	30.0	1.8%	0.8%
Total Asia Pacific	917.4	960.9	988.4	990.6	1018.9	1053.7	1117.9	1132.6	1147.7	1177.4	1183.4	0.2%	30.1%
Total World	3439.2	3510.1	3551.2	3571.1	3605.5	3672.3	3810.8	3861.8	3894.0	3939.4	3927.9	-0.6%	100.0%
of which: European Union	703.5	700.4	696.7	703.3	699.8	703.2	713.2	720.1	721.8	700.2	702.6	0.1%	17.9%
OECD	2151.7	2188.5	2199.7	2197.6	2190.8	2223.0	2266.4	2281.6	2268.9	2246.1	2179.8	-3.2%	55.5%
Former Soviet Union	181.1	177.8	173.2	172.6	174.1	176.7	177.7	177.5	185.9	186.2	189.5	1.5%	4.8%
Other EMEs	1106.4	1143.8											

Consumption by region

Million barrels daily

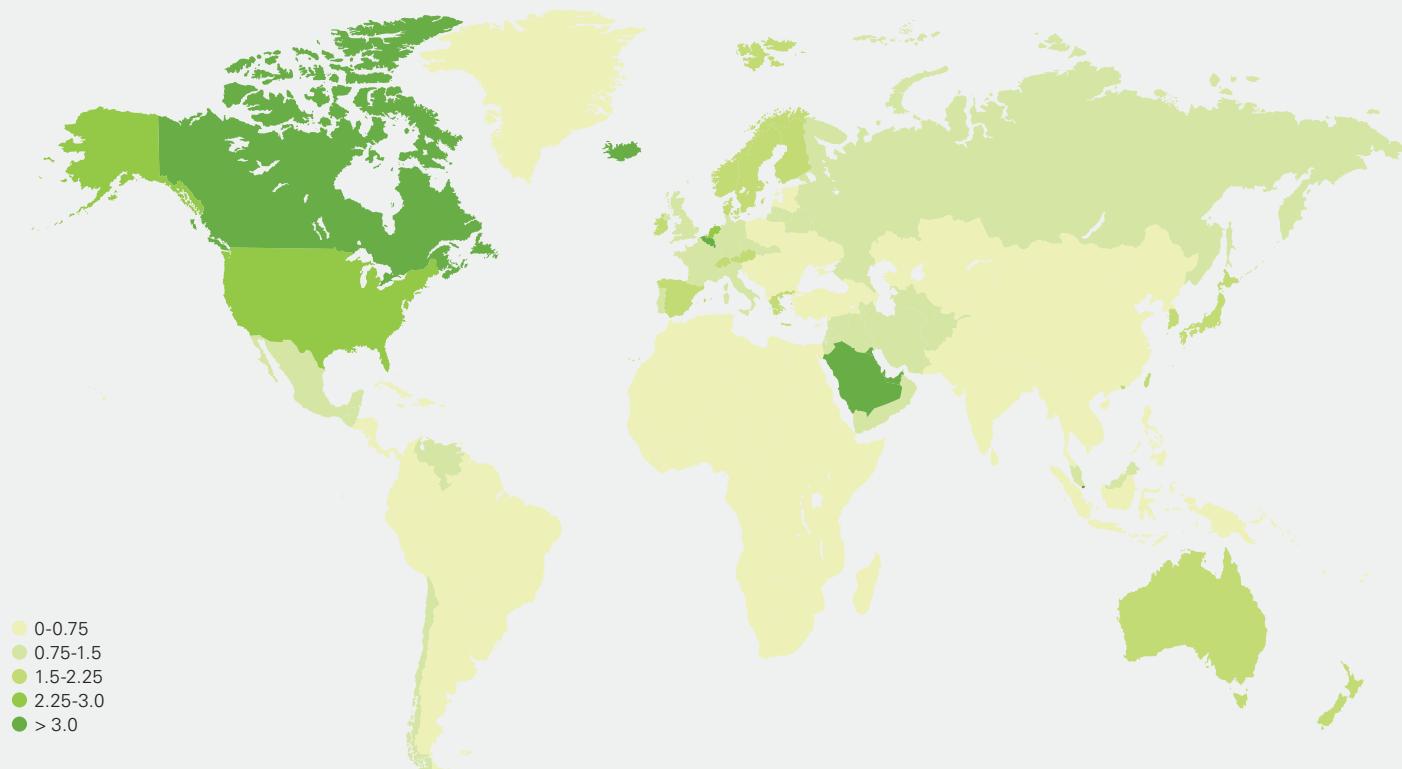
- Asia Pacific
- Africa
- Middle East
- Europe & Eurasia
- S. & Cent. America
- North America



World oil consumption fell by 420,000b/d, the largest decline since 1982. OECD consumption fell by 1.5 million b/d, driven by a decline of nearly 1.3 million b/d in the US. China again recorded the world's largest incremental growth, rising by 260,000b/d. Consumption growth was above the 10-year average in the exporting regions of the Middle East, South and Central America, Africa and the Former Soviet Union.

Consumption per capita 2008

Tonnes





Regional consumption by product group

Thousand barrels daily	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007			
											2008	Change 2008 over 2007	2008 share of total
North America													
Light distillates	9849	9998	10106	10211	10523	10675	10979	11020	11131	11205	10857	-3.1%	45.7%
Middle distillates	6450	6628	6811	6812	6655	6861	7133	7249	7297	7318	6924	-5.4%	29.2%
Fuel oil	1506	1415	1518	1411	1209	1271	1340	1396	1055	1082	946	-12.5%	4.0%
Others	4869	5245	5112	5137	5278	5243	5446	5359	5420	5425	5026	-7.4%	21.2%
Total North America	22674	23286	23548	23571	23665	24050	24898	25023	24904	25030	23753	-5.1%	100.0%
of which: US													
Light distillates	8579	8716	8813	8890	9167	9275	9518	9548	9599	9597	9220	-3.9%	47.5%
Middle distillates	5545	5700	5852	5884	5735	5886	6116	6198	6226	6199	5790	-6.6%	29.8%
Fuel oil	869	814	893	794	686	763	859	914	683	718	615	-14.4%	3.2%
Others	3924	4290	4143	4082	4172	4109	4239	4143	4178	4166	3794	-8.9%	19.5%
Total US	18917	19519	19701	19649	19761	20033	20732	20802	20687	20680	19419	-6.1%	100.0%
S. & Cent. America													
Light distillates	1553	1668	1540	1517	1506	1496	1452	1551	1637	1746	1801	3.2%	30.5%
Middle distillates	1641	1625	1617	1657	1653	1655	1776	1833	1873	2040	2126	4.2%	36.0%
Fuel oil	866	761	801	827	789	754	740	744	766	810	814	0.6%	13.8%
Others	882	922	950	1009	1029	925	971	1002	1021	1086	1160	6.8%	19.7%
Total S. & Cent. America	4942	4976	4908	5009	4977	4830	4938	5129	5297	5681	5901	3.9%	100.0%
Europe													
Light distillates	4315	4314	4194	4086	4025	3923	3875	3764	3615	3491	3365	-3.6%	20.9%
Middle distillates	6630	6690	6734	6991	6934	7137	7347	7595	7853	7763	7937	2.2%	49.3%
Fuel oil	2195	2093	1967	1986	1995	1952	1888	1855	1773	1667	1633	-2.0%	10.1%
Others	2950	2948	3050	3056	3117	3158	3221	3298	3273	3137	3179	1.4%	19.7%
Total Europe	16090	16045	15946	16120	16071	16170	16331	16513	16514	16058	16114	0.3%	100.0%
Former Soviet Union													
Light distillates	893	858	797	851	882	937	918	934	993	1053	1096	4.1%	27.1%
Middle distillates	1026	1022	1008	1021	1048	1085	1108	1148	1208	1274	1324	4.0%	32.7%
Fuel oil	1046	937	765	693	670	643	578	558	615	511	455	-11.0%	11.2%
Others	775	882	1053	1062	1066	1080	1157	1132	1133	1136	1170	3.0%	28.9%
Total Former Soviet Union	3741	3700	3623	3627	3667	3745	3760	3772	3948	3973	4045	1.8%	100.0%
Middle East													
Light distillates	849	859	910	949	1011	1059	1177	1241	1325	1326	1379	4.0%	21.5%
Middle distillates	1471	1502	1567	1618	1666	1723	1767	1849	1950	2013	2124	5.5%	33.1%
Fuel oil	1240	1295	1292	1319	1329	1317	1390	1463	1450	1532	1644	7.3%	25.6%
Others	698	712	832	868	941	1039	1036	1064	1092	1213	1276	5.2%	19.9%
Total Middle East	4258	4367	4602	4754	4948	5138	5370	5617	5817	6084	6423	5.6%	100.0%
Africa													
Light distillates	563	570	574	585	580	605	632	637	617	634	666	5.1%	23.1%
Middle distillates	926	971	999	1013	1039	1066	1070	1119	1137	1181	1232	4.3%	42.8%
Fuel oil	498	501	459	436	425	380	390	437	417	416	429	3.1%	14.9%
Others	378	396	401	419	440	486	509	534	525	545	554	1.7%	19.2%
Total Africa	2364	2438	2432	2452	2484	2537	2600	2728	2696	2776	2881	3.8%	100.0%
Asia Pacific													
Light distillates	5201	5486	5636	5771	6021	6283	6644	6781	6826	7147	7196	0.7%	28.4%
Middle distillates	7234	7678	7813	7968	8108	8246	8774	9030	9089	9151	9496	3.8%	37.5%
Fuel oil	3657	3713	3675	3481	3402	3547	3558	3552	3632	3614	3403	-5.9%	13.4%
Others	3467	3624	3949	4005	4331	4526	4923	5073	5364	5244	5244	-2.2%	20.7%
Total Asia Pacific	19559	20501	21073	21225	21863	22601	23899	24283	24620	25277	25339	0.2%	100.0%
of which: China													
Light distillates	1280	1249	1270	1256	1352	1489	1673	1776	1853	1983	2175	9.7%	27.2%
Middle distillates	1241	1467	1590	1669	1791	1945	2285	2528	2723	2879	3178	10.4%	39.7%
Fuel oil	741	771	775	780	792	880	956	904	938	892	716	-19.8%	8.9%
Others	967	990	1136	1167	1352	1489	1858	1777	1867	1988	1930	-2.9%	24.1%
Total China	4228	4477	4772	4872	5288	5803	6772	6984	7382	7742	7999	3.3%	100.0%
of which: Japan													
Light distillates	1611	1702	1735	1720	1759	1788	1793	1822	1813	1790	1675	-6.4%	34.6%
Middle distillates	1949	1978	1958	1957	1930	1904	1856	1876	1758	1619	1500	-7.4%	31.0%
Fuel oil	858	840	785	678	637	755	660	683	664	664	712	7.2%	14.7%
Others	1086	1078	1079	1067	1021	993	960	963	979	966	959	-0.7%	19.8%
Total Japan	5504	5598	5557	5422	5347	5440	5269	5343	5213	5039	4845	-3.8%	100.0%
World													
Light distillates	23224	23754	23758	23969	24549	24976	25676	25929	26145	26601	26359	-0.9%	31.2%
Middle distillates	25378	26115	26550	27080	27104	27773	28974	29823	30407	30740	31163	1.4%	36.9%
Fuel oil	11007	10714	10477	10154	9818	9865	9884	10004	9708	9631	9324	-3.2%	11.0%
Others	14020	14730	15348	15555	16203	16457	17263	17308	17537	17905	17609	-1.7%	20.8%
Total World	73628	75313	76132	76758	77675	79071	81796	83065	83797	84455	84455	-0.5%	100.0%
European Union													
Light distillates	4006	4025	3923	3827	3763	3671	3619	3520	3367	3255	3139	-3.5%	21.3%
Middle distillates	6103	6170	6234	6463	6404	6592	6795	6996	7221	7109	7234	1.8%	49.0%
Fuel oil	2060	1936	1785	1796	1792	1743	1703	1705	1651	1553	1516	-2.4%	10.3%
Others	2681	2683	2750	2775	2838	2861	2916	2985	2972	2829	2876	1.6%	19.5%
Total European Union	14849	14813	14692	14861	14797	14867	15032	15205	15211	14746	14765	0.1%	100.0%
OECD													
Light distillates	16728	17027	17069	17064	17389	17495	17747	17753	17739	17764	17149	-3.5%	36.3%
Middle distillates	15749	16107	16276	16529	16295	16684	17095	17483	17676	17459	17088	-2.1%	36.1%
Fuel oil	4809	4650	4622	4403	4163	4294	4205	4237	3784	3692	3513	-4.8%	7.4%
Others	9284	9684	9683	9696	9828	9803	10026	10015	10074	9915	9552	-3.7%	20.2%
Total OECD	46569	47467	47651	47692	47675	48276	49073	49490	49274	48830	47303	-3.1%	100.0%
Other EMEs†													
Light distillates	5603	5869	5892	6055	6277	6544	7011	7241	7412	7785	8115	4.2%	24.5%
Middle distillates	8603	8986	9265	9530	9761	10004	10771	11192	11523	12007	12751	6.2%	38.5%
Fuel oil	5152	5128	5090	5057	4986	4928	5102	5209	5309	5428	5356	-1.3%	16.2%
Others	3961	4163	4611	4797	5309	5574	6079	6161	6330	6855	6886	0.5%	20.8%
Total Other EMEs	23319	24146	24859	25440	26333	27050	28963	29804	30575	32075	33108	3.2%	100.0%

†Excludes Former Soviet Union.

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.

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

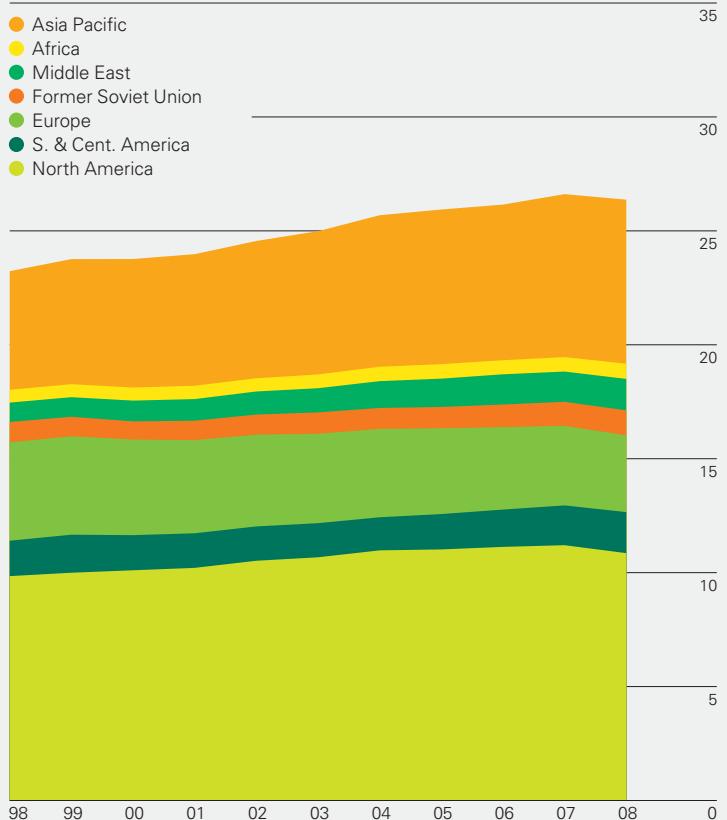
'Fuel oil' includes marine bunkers and crude oil used directly as fuel.

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

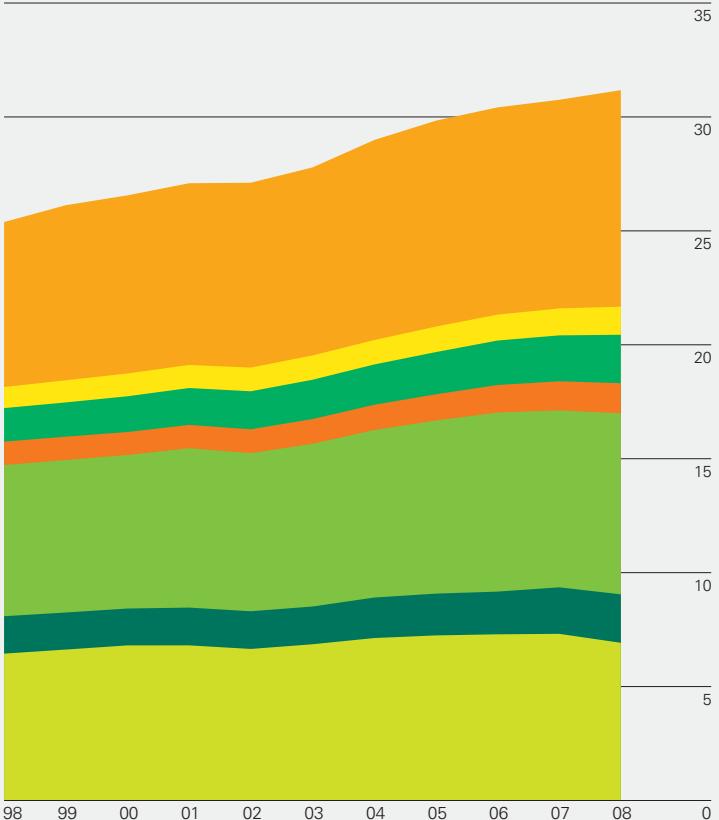
Product consumption by region

Million barrels daily

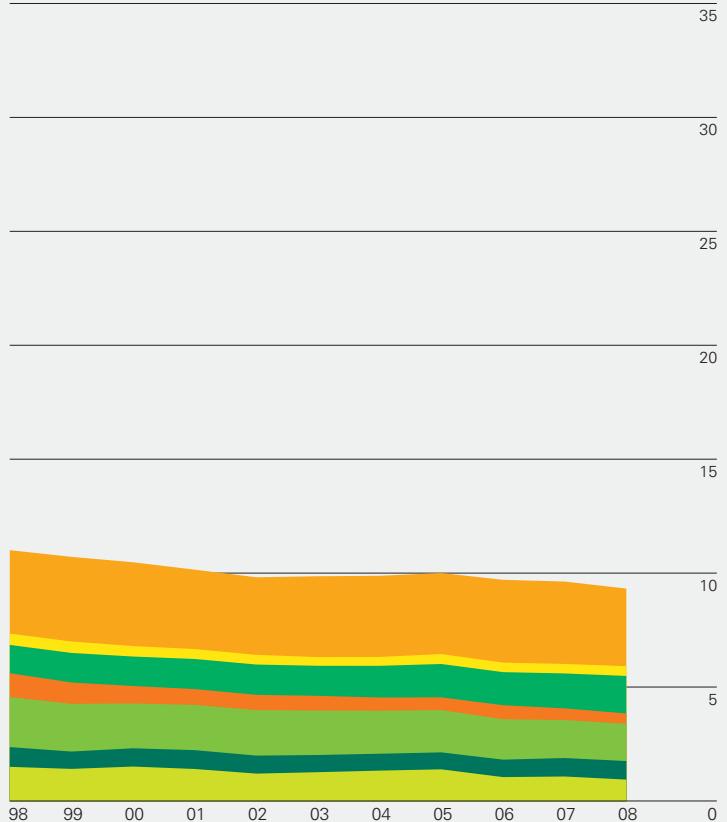
Light distillates



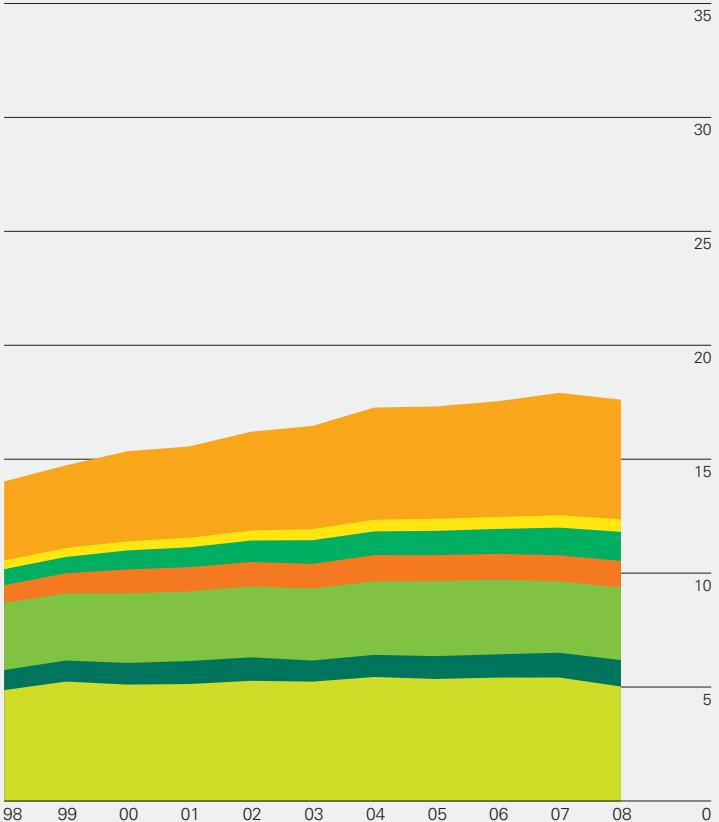
Middle distillates



Fuel oil



Others



Consumption growth was below the 10-year average for all fuel groups, with declines in three of the four reported categories. Middle distillates has been the fastest-growing fuel group in five of the past six years, and was the only fuel group to grow globally in 2008.



Spot crude prices

US dollars per barrel	Dubai \$/bbl*	Brent \$/bbl†	Nigerian Forcados \$/bbl	West Texas Intermediate \$/bbl‡
1972	1.90	—	—	—
1973	2.83	—	—	—
1974	10.41	—	—	—
1975	10.70	—	—	—
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

*1972-1985 Arabian Light, 1986-2008 Dubai dated.

†1976-1983 Forties, 1984-2008 Brent dated.

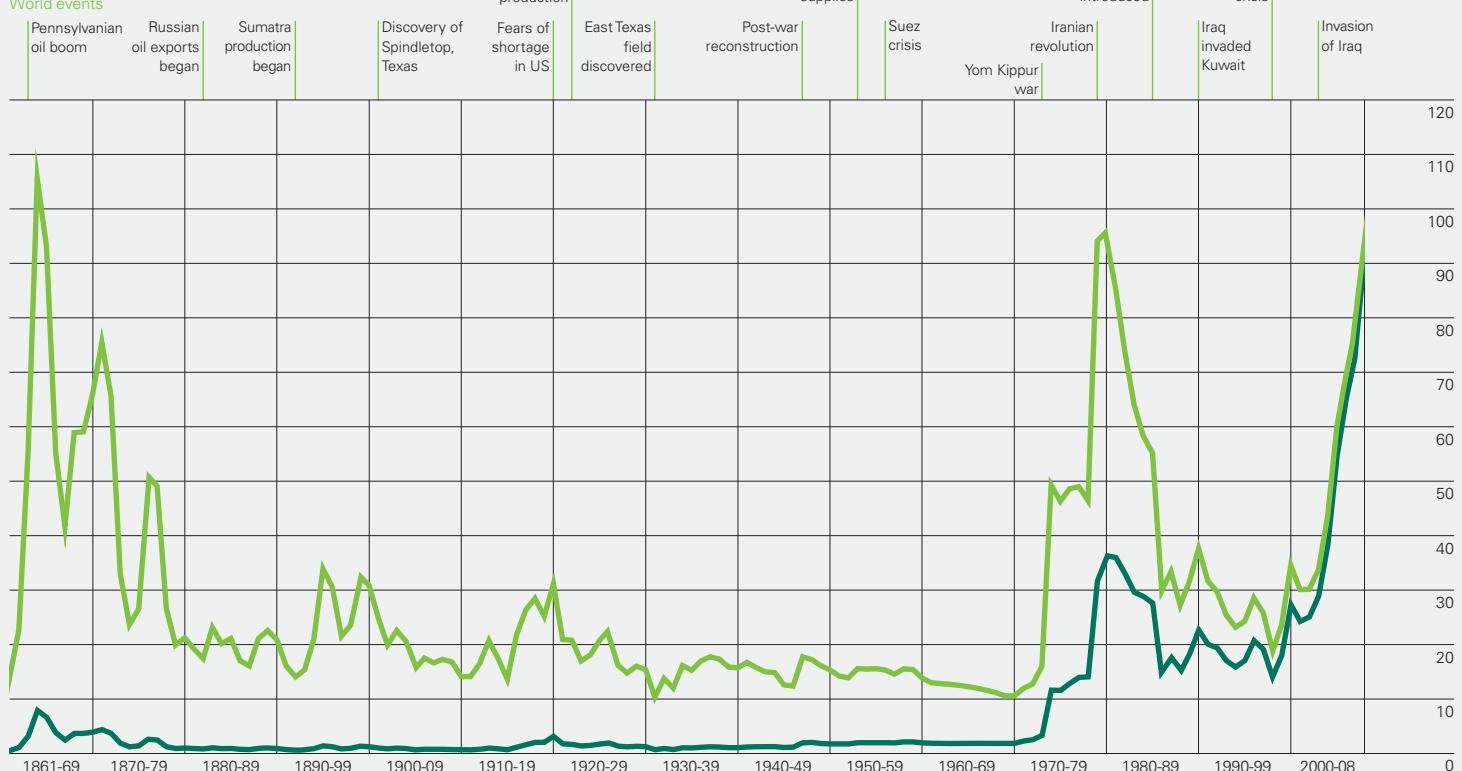
‡1976-1983 Posted WTI prices, 1984-2008 Spot WTI (Cushing) prices.

Source: Platts.

Crude oil prices 1861-2008

US dollars per barrel

World events



● \$ 2008

● \$ money of the day

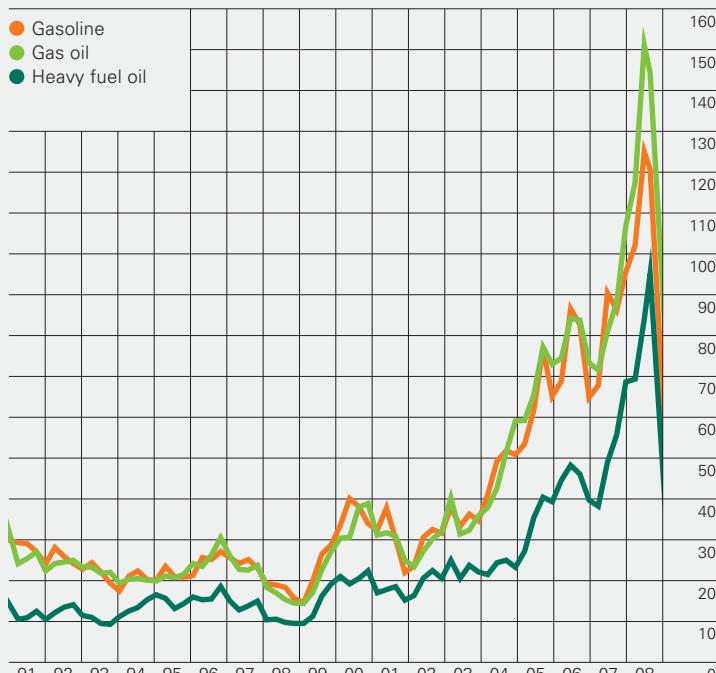
1861-1944 US average.

1945-1983 Arabian Light posted at Ras Tanura.

1984-2008 Brent dated.

Rotterdam product prices

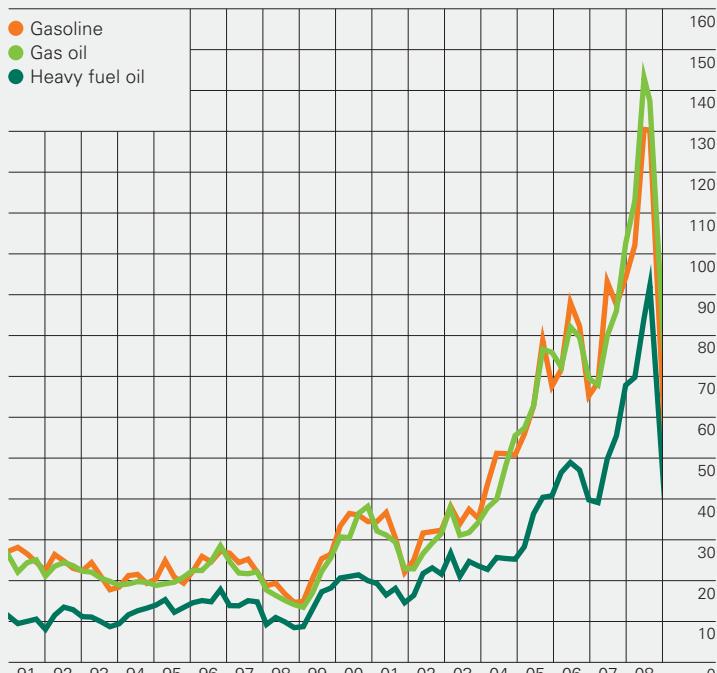
US dollars per barrel



1991 to first quarter 1992: leaded gasoline.
From second quarter 1992: unleaded gasoline.

US Gulf Coast product prices

US dollars per barrel

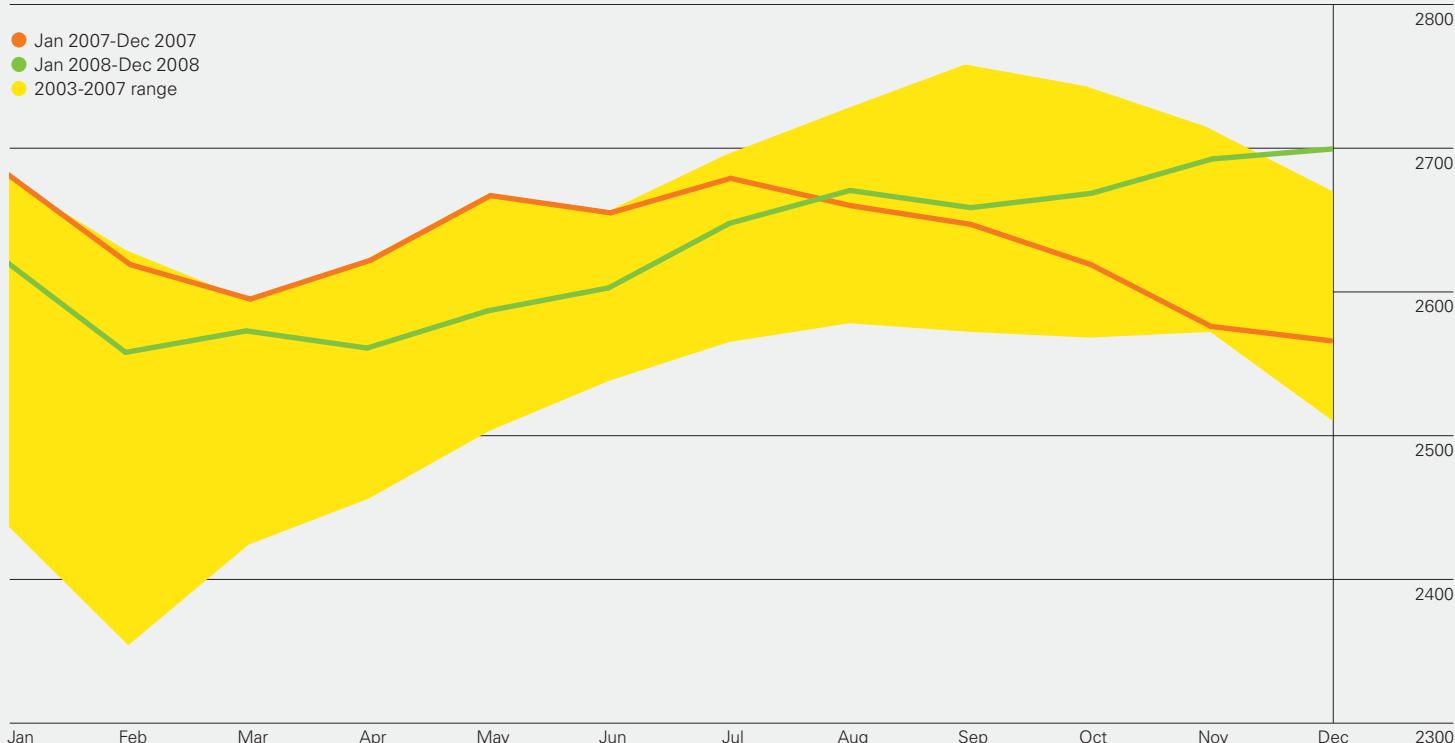


Source: Platts.

OECD total commercial oil stocks

Million barrels

● Jan 2007-Dec 2007
● Jan 2008-Dec 2008
● 2003-2007 range



Source: Monthly Oil Data Service © OECD/IEA, 2009.



Refinery capacities

Thousand barrels daily*	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	16261	16512	16595	16785	16757	16894	17125	17339	17443	17594	17621	0.2%	19.9%
Canada	1844	1861	1861	1917	1923	1959	1915	1896	1914	1907	1951	2.3%	2.2%
Mexico	1449	1449	1481	1481	1463	1463	1463	1463	1463	1463	1463	-	1.7%
Total North America	19554	19822	19937	20183	20143	20316	20503	20698	20821	20964	21035	0.3%	23.7%
Argentina	648	643	624	612	609	609	610	612	614	625	625	-	0.7%
Brazil	1768	1796	1849	1849	1854	1915	1915	1916	1916	1935	1942	0.4%	2.2%
Netherlands Antilles & Aruba	545	545	545	545	545	545	545	545	545	585	595	1.7%	0.7%
Venezuela	1215	1248	1291	1291	1291	1306	1311	1311	1311	1311	1311	-	1.5%
Other S. & Cent. America	1938	1976	1999	1988	2028	2017	2023	2041	2061	2070	2115	2.2%	2.4%
Total S. & Cent. America	6114	6208	6308	6285	6327	6377	6399	6425	6447	6526	6588	1.0%	7.4%
Belgium	732	736	770	785	803	805	782	778	774	745	745	-	0.8%
France	1918	1933	1984	1961	1987	1967	1982	1978	1959	1962	1962	-	2.2%
Germany	2206	2240	2262	2274	2286	2304	2320	2322	2390	2390	2366	-1.0%	2.7%
Greece	403	403	403	412	412	412	412	418	425	425	425	-	0.5%
Italy	2385	2485	2485	2485	2485	2497	2515	2526	2497	2486	2486	-0.4%	2.8%
Netherlands	1266	1282	1282	1283	1287	1287	1289	1279	1279	1266	1261	-0.5%	1.4%
Norway	310	323	318	307	310	310	310	310	310	310	310	-	0.3%
Russian Federation	5572	5439	5361	5299	5357	5371	5371	5421	5473	5522	5547	0.5%	6.3%
Spain	1247	1247	1247	1247	1333	1333	1358	1377	1377	1377	1377	-	1.6%
Sweden	422	422	422	422	422	422	422	422	422	422	422	-	0.5%
Turkey	713	713	713	713	713	713	693	613	613	613	613	-	0.7%
United Kingdom	1848	1777	1778	1769	1785	1813	1848	1819	1836	1819	1821	0.1%	2.1%
Other Europe & Eurasia	6239	6145	5981	5930	5844	5841	5877	5814	5675	5711	5750	0.7%	6.5%
Total Europe & Eurasia	25261	25145	25006	24887	25024	25063	25161	25067	25059	25060	25086	0.1%	28.3%
Iran	1505	1607	1607	1607	1607	1617	1652	1652	1737	1822	1832	0.5%	2.1%
Iraq	634	634	639	644	644	644	644	649	665	674	681	1.0%	0.8%
Kuwait	921	921	740	759	809	909	931	931	931	931	931	-	1.1%
Saudi Arabia	1762	1823	1806	1806	1810	1890	2075	2100	2100	2100	2100	-	2.4%
United Arab Emirates	235	290	440	674	711	645	620	620	620	625	673	7.7%	0.8%
Other Middle East	1145	1158	1158	1160	1238	1238	1238	1238	1268	1369	1375	0.4%	1.6%
Total Middle East	6202	6433	6390	6650	6819	6943	7160	7190	7321	7521	7592	0.9%	8.6%
Total Africa	2846	2950	2879	3140	3222	3171	3110	3228	3066	3052	3228	5.8%	3.6%
Australia	810	828	828	815	829	756	763	711	694	733	734	0.1%	0.8%
China	4592	5401	5407	5643	5479	5487	6289	6587	7029	7511	7732	2.9%	8.7%
India	1356	2190	2219	2261	2303	2293	2558	2558	2872	2983	2992	0.3%	3.4%
Indonesia	1096	1119	1127	1127	1092	1057	1057	1057	1127	1157	1157	-	1.3%
Japan	5144	5087	5010	4705	4721	4683	4567	4529	4542	4598	4650	1.1%	5.2%
Singapore	1246	1246	1255	1255	1255	1255	1255	1255	1255	1255	1255	-	1.4%
South Korea	2598	2598	2598	2598	2598	2598	2598	2598	2633	2671	2712	1.5%	3.1%
Taiwan	732	732	732	874	1159	1159	1159	1159	1140	1197	1197	-	1.4%
Thailand	890	914	1062	1062	1062	1062	1065	1065	1092	1112	1187	6.7%	1.3%
Other Asia Pacific	1258	1344	1403	1512	1487	1416	1416	1438	1445	1454	1482	1.9%	1.7%
Total Asia Pacific	19722	21459	21641	21852	21984	21766	22718	22957	23829	24671	25098	1.7%	28.3%
Total World	79699	82017	82161	82997	83518	83635	85051	85565	86542	87794	88627	0.9%	100.0%
of which: European Union	15262	15304	15373	15455	15692	15713	15787	15829	15875	15827	15788	-0.3%	17.8%
OECD	43688	44041	44197	44141	44413	44500	44645	44692	44916	45145	45271	0.3%	51.1%
Former Soviet Union	8578	8447	8279	8124	8021	8035	8075	8019	7965	8014	8079	0.8%	9.1%
Other EMEs	27433	29529	29685	30732	31084	31100	32331	32854	33661	34635	35277	1.9%	39.8%

*Atmospheric distillation capacity on a calendar-day basis.

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

Source: Includes data from Parpinelli Tecnon.



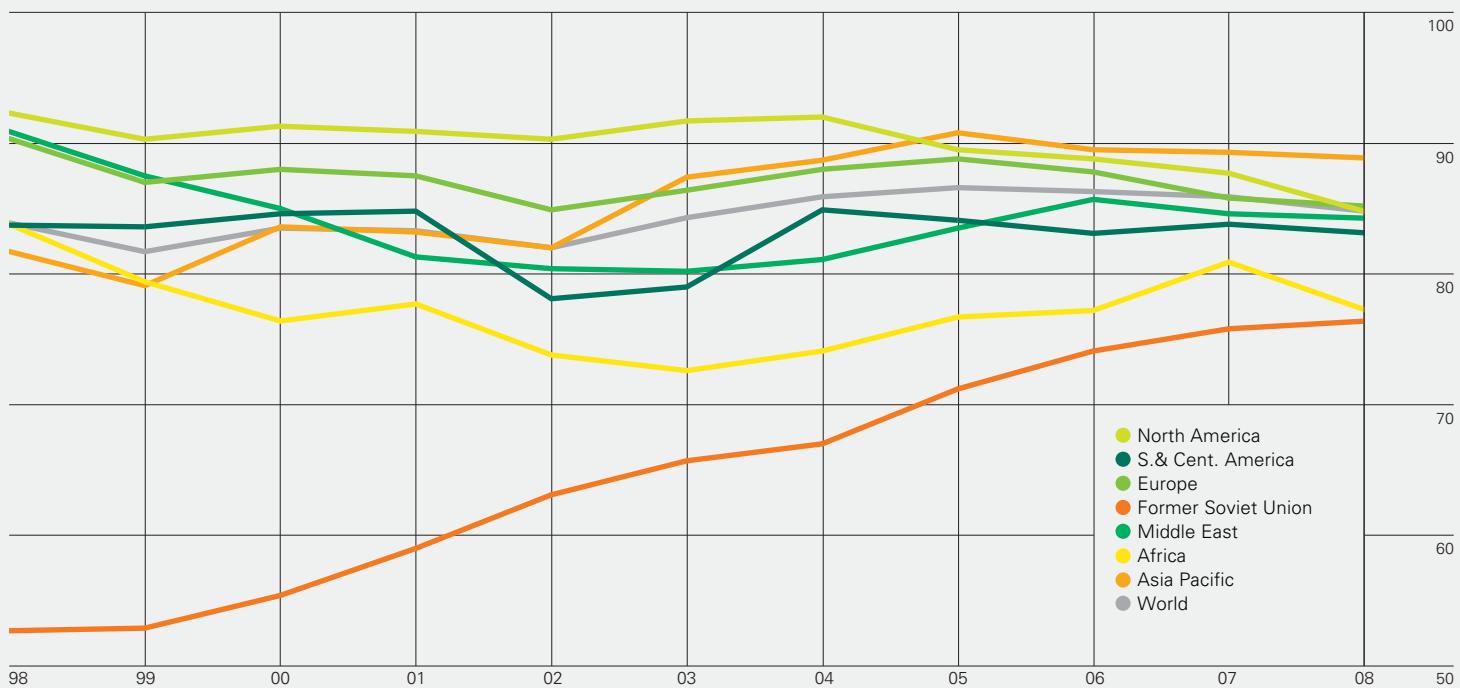
Refinery throughputs

Thousand barrels daily*	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	14889	14804	15067	15128	14947	15304	15475	15220	15242	15156	14645	-3.4%	19.5%
Canada	1709	1714	1765	1812	1862	1880	1957	1882	1835	1834	1796	-2.1%	2.4%
Mexico	1446	1378	1363	1398	1390	1436	1436	1415	1407	1395	1392	-0.2%	1.9%
S. & Cent. America	5120	5191	5337	5332	4941	5040	5430	5402	5356	5470	5479	0.2%	7.3%
Europe & Eurasia	19592	18997	19305	19457	19488	19991	20454	20845	20902	20705	20661	-0.2%	27.5%
Middle East	5639	5632	5430	5406	5482	5566	5805	6007	6276	6366	6403	0.6%	8.5%
Africa	2386	2343	2200	2440	2377	2301	2304	2477	2367	2470	2495	1.0%	3.3%
Australasia	866	880	851	847	855	823	820	757	749	767	756	-1.4%	1.0%
China	3060	3686	4218	4215	4395	4823	5382	5916	6155	6563	6851	4.4%	9.1%
Japan	4212	4149	4145	4107	3986	4118	4038	4136	4026	3995	3946	-1.2%	5.2%
Other Asia Pacific	7974	8269	8884	9020	8796	9263	9916	10035	10392	10711	10754	0.4%	14.3%
Total World	66894	67043	68566	69161	68518	70545	73018	74093	74707	75432	75179	-0.3%	100.0%
of which: European Union	14092	13519	13767	13698	13477	13731	14089	14172	14002	13601	13549	-0.4%	18.0%
OECD	39886	39345	39754	39762	39083	39888	40456	40269	40072	39578	38787	-2.0%	51.6%
Former Soviet Union	4519	4471	4583	4797	5060	5276	5413	5713	5900	6073	6173	1.7%	8.2%
Other EMEs	22490	23226	24229	24602	24376	25381	27149	28111	28735	29781	30219	1.5%	40.2%

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

Refinery utilization

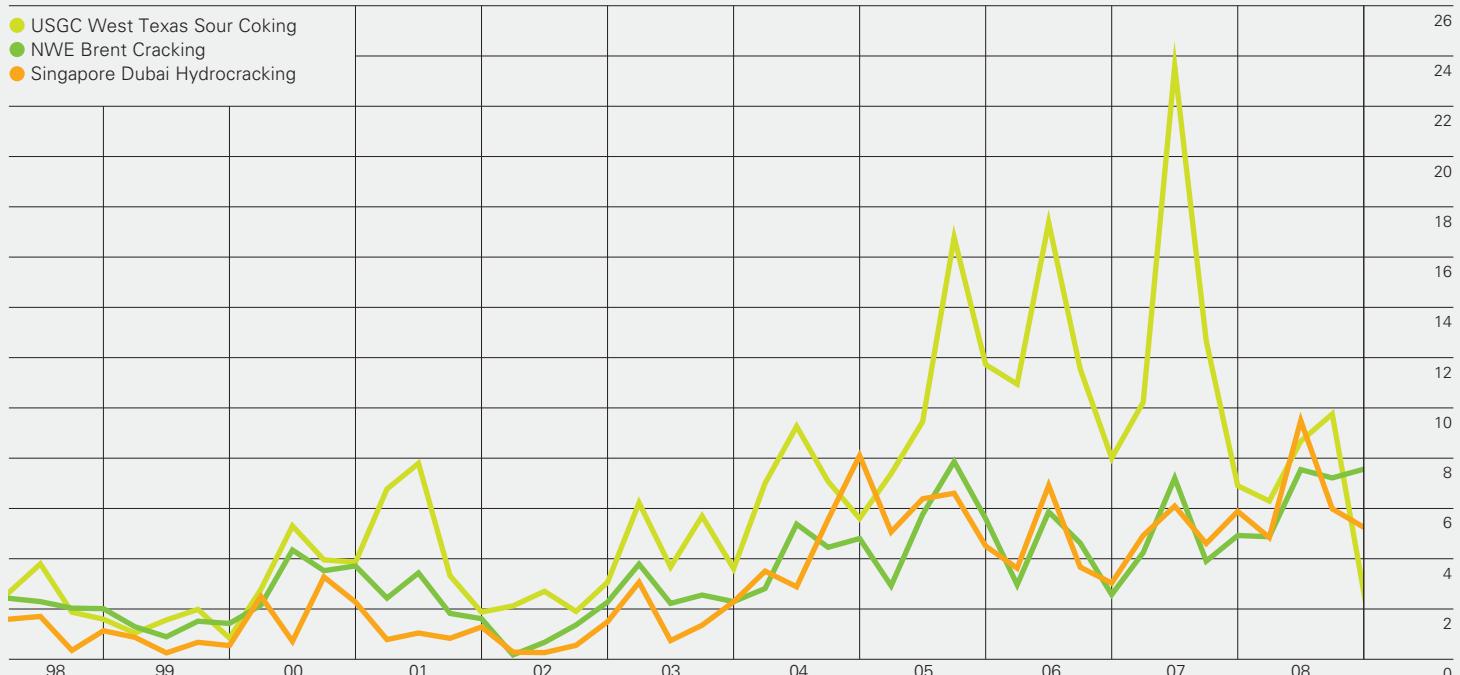
Percentage



Global oil demand fell in 2008 and so did refinery crude runs. The biggest reduction was in the US, where throughputs fell by 510,000b/d. Crude runs continued to grow in China in support of domestic demand. Meanwhile global refining capacity grew by 830,000b/d, mainly in Asia Pacific. As a result, global average refinery utilization fell to 84.8%, the lowest level since 2003.

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	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
Imports													
US	10382	10550	11092	11618	11357	12254	12898	13525	13612	13632	12872	-5.6%	23.6%
Europe	11017	10670	11070	11531	11895	11993	12538	13261	13461	13953	13751	-1.4%	25.2%
Japan	5259	5346	5329	5202	5070	5314	5203	5225	5201	5032	4925	-2.1%	9.0%
Rest of World*	14438	15050	15880	16436	16291	17191	18651	19172	20287	22937	23078	0.6%	42.2%
Total World	41096	41616	43371	44787	44613	46752	49290	51182	52561	55554	54626	-1.7%	100.0%
Exports													
US	1011	956	890	910	904	921	991	1129	1317	1439	1967	36.7%	3.6%
Canada	1603	1520	1703	1804	1959	2096	2148	2201	2330	2457	2498	1.6%	4.6%
Mexico	1770	1739	1814	1882	1966	2115	2070	2065	2102	1975	1609	-18.5%	2.9%
S. & Cent. America	3240	3145	3079	3143	2965	2942	3233	3528	3681	3570	3616	1.3%	6.6%
Europe	1344	1851	1967	1947	2234	2066	1993	2149	2173	2273	2023	-11.0%	3.7%
Former Soviet Union	3569	4019	4273	4679	5370	6003	6440	7076	7155	8334	8184	-1.8%	15.0%
Middle East	18702	18341	18944	19098	18062	18943	19630	19821	20204	19680	20128	2.3%	36.8%
North Africa	2712	2726	2732	2724	2620	2715	2917	3070	3225	3336	3260	-2.3%	6.0%
West Africa	3094	2985	3293	3182	3134	3612	4048	4358	4704	4830	4587	-5.0%	8.4%
Asia Pacific‡	3496	3543	3736	3914	3848	3978	4189	4243	4312	6004	5392	-10.2%	9.9%
Rest of World*	556	791	940	1506	1551	1361	1631	1542	1359	1656	1363	-17.7%	2.5%
Total World	41097	41616	43371	44789	44613	46752	49290	51182	52561	55554	54626	-1.7%	100.0%

*Includes unidentified trade.

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

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

Inter-area movements 2008

Million tonnes From	To												Total	
	US	Canada	Mexico	S. & Cent. America	Europe	Africa	Australasia	China	India	Japan	Singapore	Other Asia Pacific	Rest of World	
US	—	13.1	17.0	25.4	24.4	1.8	0.8	0.8	0.7	3.6	4.3	1.4	1.6	94.6
Canada	121.7	—	—	0.1	1.6	—	—	†	†	0.1	†	†	†	123.6
Mexico	64.7	1.4	—	4.3	7.7	—	—	—	1.9	—	0.1	—	—	80.0
S. & Cent. America	119.4	1.0	1.3	—	25.2	1.1	—	16.5	5.8	0.1	7.8	0.1	0.1	178.3
Europe	43.4	8.3	5.7	4.8	—	16.9	†	0.2	0.5	1.4	5.3	1.4	9.7	97.6
Former Soviet Union	23.8	1.6	0.2	3.0	318.5	1.1	0.6	22.4	2.0	8.2	5.0	6.6	11.8	404.8
Middle East	119.7	6.3	0.6	5.8	127.6	44.5	5.4	92.0	107.6	196.9	53.1	238.3	3.1	1000.7
North Africa	32.6	8.9	0.2	5.1	101.3	1.0	0.3	4.2	4.3	0.4	0.1	3.1	—	161.5
West Africa	90.9	5.2	†	15.0	49.5	4.5	—	39.1	16.6	1.1	0.1	6.7	0.1	228.8
East & Southern Africa	—	—	—	†	0.6	—	—	10.6	0.8	4.9	0.2	0.6	—	17.8
Australasia	1.8	†	†	—	†	—	—	0.9	0.2	2.6	3.5	6.6	†	15.5
China	0.8	†	—	4.0	0.3	0.4	0.2	—	0.1	1.3	2.1	9.2	0.3	18.8
India	0.3	—	—	1.6	3.3	—	—	0.2	—	1.4	6.8	20.0	0.8	34.4
Japan	—	—	0.5	0.1	1.2	—	2.6	4.9	0.6	—	4.6	2.4	0.1	17.1
Singapore	—	†	†	1.0	2.4	1.6	12.1	4.5	2.9	1.4	—	49.2	0.8	76.0
Other Asia Pacific	5.3	†	0.6	1.5	2.5	0.5	20.0	21.4	5.8	20.7	38.0	—	0.2	116.5
Unidentified*	12.3	2.5	—	—	14.9	—	1.7	—	—	0.2	—	—	—	31.7
Total imports	636.6	48.4	26.0	71.9	680.9	73.4	43.6	217.8	149.7	244.2	130.9	345.7	28.6	2697.8

Thousand barrels daily

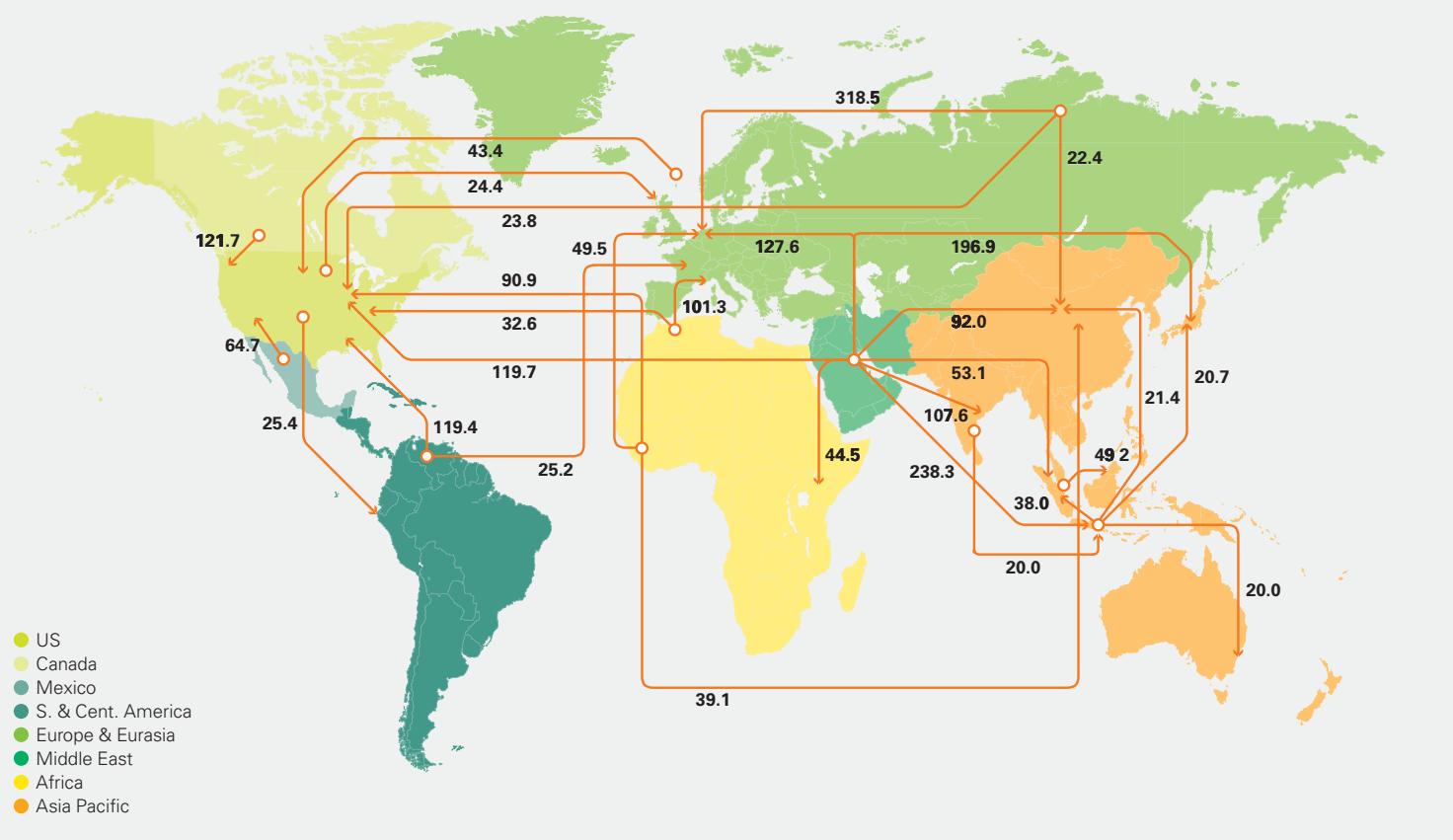
From	US	Canada	Mexico	S. & Cent. America	Europe	Africa	Australasia	China	India	Japan	Singapore	Other Asia Pacific	Rest of World	Total
US	—	270	352	529	508	37	16	16	14	75	89	29	34	1967
Canada	2459	—	—	3	34	—	—	†	†	1	†	†	†	2498
Mexico	1299	28	—	88	155	—	—	—	38	—	1	—	—	1609
S. & Cent. America	2418	21	26	—	509	23	—	334	116	1	163	1	2	3616
Europe	900	168	118	100	—	352	1	5	11	29	110	28	—	2023
Former Soviet Union	492	33	4	61	6428	22	12	453	40	165	105	133	236	8184
Middle East	2398	125	12	116	2564	899	108	1844	2167	3960	1072	4800	64	20128
North Africa	665	179	4	103	2039	20	5	83	87	9	2	63	—	3260
West Africa	1825	105	1	301	992	90	—	783	332	21	1	134	3	4587
East & Southern Africa	—	—	—	†	12	—	—	213	16	99	5	12	—	357
Australasia	35	†	†	—	1	—	—	19	3	52	70	132	†	312
China	15	†	—	83	6	9	5	—	1	27	43	191	6	388
India	6	—	—	32	70	—	—	5	—	30	142	417	17	718
Japan	—	—	11	2	24	—	54	103	12	—	97	51	2	356
Singapore	—	†	1	22	50	33	250	93	61	29	—	1026	17	1583
Other Asia Pacific	108	1	12	32	52	11	403	442	117	422	786	—	5	2391
Unidentified*	252	51	—	—	307	—	35	—	—	5	—	—	—	650
Total imports	12872	981	541	1473	13751	1496	889	4393	3016	4925	2685	7017	588	54626

*Includes changes in the quantity of oil in transit, movements not otherwise shown, unidentified military use, etc.

†Less than 0.05.

Major trade movements 2008

Trade flows worldwide (million tonnes)



Imports and exports 2008

	Million tonnes				Thousand barrels daily			
	Crude imports	Product imports	Crude exports	Product exports	Crude imports	Products imports	Crude exports	Product exports
US	487.2	149.5	6.9	87.7	9756	3116	139	1829
Canada	34.6	13.8	96.4	27.2	693	288	1931	566
Mexico	2.0	24.0	72.8	7.2	40	500	1459	150
S. & Cent. America	30.4	41.4	123.8	54.5	610	864	2479	1136
Europe	542.2	138.7	14.0	83.5	10859	2892	281	1741
Former Soviet Union	†	7.1	311.3	93.5	1	149	6235	1948
Middle East	11.0	9.7	895.0	105.7	220	202	17925	2203
North Africa	16.4	8.2	130.7	30.8	329	170	2618	642
West Africa	0.9	13.5	223.0	5.8	18	281	4466	121
East & Southern Africa	25.4	9.0	17.0	0.8	509	189	340	17
Australasia	24.4	19.2	13.7	1.8	489	400	274	37
China	178.8	39.0	3.7	15.0	3581	812	75	313
India	127.7	22.0	†	34.4	2557	458	†	718
Japan	203.2	41.0	—	17.1	4069	856	—	356
Singapore	54.5	76.4	2.0	74.0	1092	1593	40	1542
Other Asia Pacific	231.0	114.6	46.5	70.1	4627	2390	931	1460
Unidentified*	—	0.8	12.8	18.9	—	17	257	394
Total World	1969.9	727.9	1969.9	727.9	39451	15175	39451	15175

*Includes changes in the quantity of oil in transit, movements not otherwise shown, unidentified military use, etc.

†Less than 0.05.

Note: Bunkers are not included as exports. Intra-area movements (for example, between countries in Europe) are excluded.

Natural gas

Proved reserves

	At end 1988 Trillion cubic metres	At end 1998 Trillion cubic metres	At end 2007 Trillion cubic metres	At end 2008 Trillion cubic feet	At end 2008 Trillion cubic metres	Share of total	R/P ratio
US	4.76	4.65	6.73	237.7	6.73	3.6%	11.6
Canada	2.67	1.75	1.63	57.7	1.63	0.9%	9.3
Mexico	2.08	0.85	0.51	17.6	0.50	0.3%	9.1
Total North America	9.51	7.24	8.88	313.1	8.87	4.8%	10.9
Argentina	0.77	0.69	0.44	15.6	0.44	0.2%	10.0
Bolivia	0.15	0.15	0.71	25.1	0.71	0.4%	51.0
Brazil	0.11	0.22	0.27	11.5	0.33	0.2%	23.6
Colombia	0.13	0.20	0.12	4.0	0.11	0.1%	12.4
Peru	0.34	0.25	0.33	11.8	0.33	0.2%	98.5
Trinidad & Tobago	0.29	0.56	0.48	17.0	0.48	0.3%	12.2
Venezuela	2.86	4.15	4.84	170.9	4.84	2.6%	*
Other S. & Cent. America	0.15	0.14	0.07	2.4	0.07	♦	17.5
Total S. & Cent. America	4.79	6.35	7.27	258.2	7.31	4.0%	46.0
Azerbaijan	n/a	0.81	1.16	42.3	1.20	0.6%	81.3
Denmark	0.08	0.10	0.07	1.9	0.06	♦	5.5
Germany	0.36	0.26	0.14	4.2	0.12	0.1%	9.2
Italy	0.33	0.27	0.13	4.2	0.12	0.1%	14.2
Kazakhstan	n/a	1.81	1.85	64.4	1.82	1.0%	60.3
Netherlands	1.73	1.77	1.39	49.1	1.39	0.8%	20.6
Norway	2.30	3.79	2.88	102.7	2.91	1.6%	29.3
Poland	0.17	0.14	0.11	3.9	0.11	0.1%	27.1
Romania	0.17	0.36	0.63	22.2	0.63	0.3%	54.6
Russian Federation	n/a	43.51	43.32	1529.2	43.30	23.4%	72.0
Turkmenistan	n/a	2.51	2.43	280.6	7.94	4.3%	*
Ukraine	n/a	1.02	0.93	32.6	0.92	0.5%	49.2
United Kingdom	0.59	0.76	0.34	12.1	0.34	0.2%	4.9
Uzbekistan	n/a	1.58	1.59	55.8	1.58	0.9%	25.4
Other Europe & Eurasia	38.81	0.40	0.43	15.6	0.44	0.2%	43.2
Total Europe & Eurasia	44.53	59.09	57.39	2220.8	62.89	34.0%	57.8
Bahrain	0.19	0.14	0.09	3.0	0.09	♦	6.3
Iran	14.20	24.10	28.13	1045.7	29.61	16.0%	*
Iraq	2.69	3.19	3.17	111.9	3.17	1.7%	*
Kuwait	1.38	1.48	1.78	62.9	1.78	1.0%	*
Oman	0.28	0.57	0.98	34.6	0.98	0.5%	40.7
Qatar	4.62	10.90	25.46	899.3	25.46	13.8%	*
Saudi Arabia	5.02	6.07	7.30	267.3	7.57	4.1%	96.9
Syria	0.11	0.24	0.28	10.0	0.28	0.2%	51.8
United Arab Emirates	5.66	6.00	6.44	227.1	6.43	3.5%	*
Yemen	0.16	0.48	0.49	17.3	0.49	0.3%	*
Other Middle East	†	†	0.05	1.7	0.05	♦	18.4
Total Middle East	34.34	53.17	74.17	2680.9	75.91	41.0%	*
Algeria	3.23	4.08	4.50	159.1	4.50	2.4%	52.1
Egypt	0.33	1.02	2.07	76.6	2.17	1.2%	36.9
Libya	0.83	1.32	1.54	54.4	1.54	0.8%	96.9
Nigeria	2.48	3.51	5.22	184.2	5.22	2.8%	*
Other Africa	0.82	0.84	1.21	43.3	1.23	0.7%	66.2
Total Africa	7.68	10.77	14.54	517.5	14.65	7.9%	68.2
Australia	1.11	1.65	2.41	88.6	2.51	1.4%	65.6
Bangladesh	0.35	0.30	0.37	13.1	0.37	0.2%	21.4
Brunei	0.32	0.38	0.34	12.4	0.35	0.2%	28.8
China	0.92	1.37	2.26	86.7	2.46	1.3%	32.3
India	0.60	0.67	1.06	38.5	1.09	0.6%	35.6
Indonesia	2.56	2.18	3.00	112.5	3.18	1.7%	45.7
Malaysia	1.49	2.41	2.39	84.3	2.39	1.3%	38.2
Myanmar	0.27	0.29	0.49	17.5	0.49	0.3%	39.9
Pakistan	0.65	0.61	0.85	30.1	0.85	0.5%	22.7
Papua New Guinea	0.13	0.43	0.44	15.6	0.44	0.2%	*
Thailand	0.20	0.42	0.32	10.7	0.30	0.2%	10.5
Vietnam	n/a	0.17	0.48	19.7	0.56	0.3%	70.1
Other Asia Pacific	0.27	0.51	0.40	13.9	0.39	0.2%	22.1
Total Asia Pacific	8.86	11.39	14.80	543.5	15.39	8.3%	37.4
Total World	109.72	148.01	177.05	6534.0	185.02	100.0%	60.4
of which: European Union	3.65	3.77	2.91	101.4	2.87	1.6%	15.1
OECD	16.57	16.17	16.56	587.3	16.63	9.0%	14.6
Former Soviet Union	38.46	51.48	51.50	2013.1	57.00	30.8%	71.8

*More than 100 years.

†Less than 0.05%.

♦Less than 0.05%.

n/a not available.

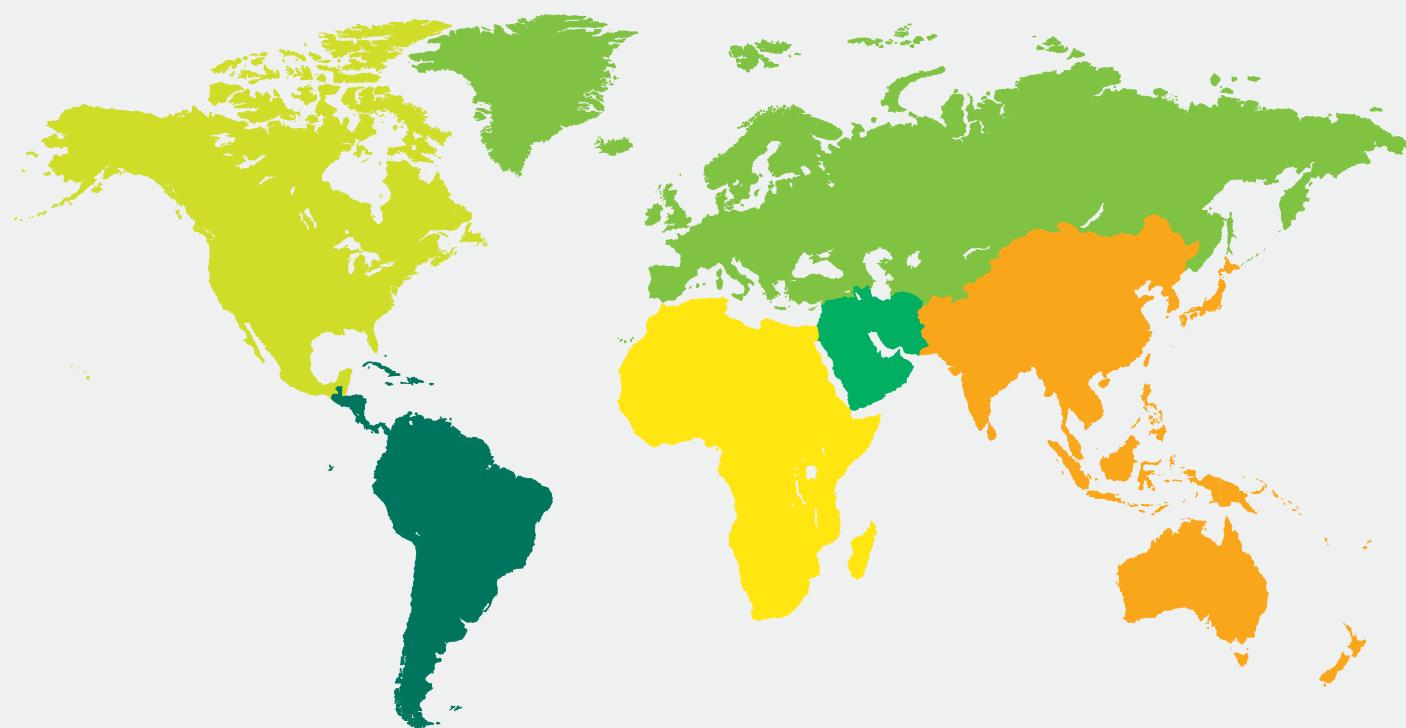
Notes: Proved reserves of natural gas – Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions.

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 Ceditaz and the OPEC Secretariat.

Proved reserves at end 2008

Trillion cubic metres



7.31
S. & Cent. America

8.87
North America

14.65
Africa

15.39
Asia Pacific

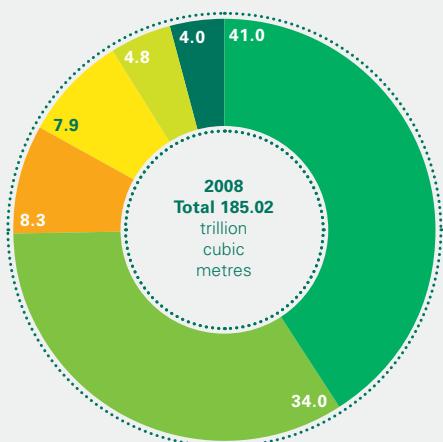
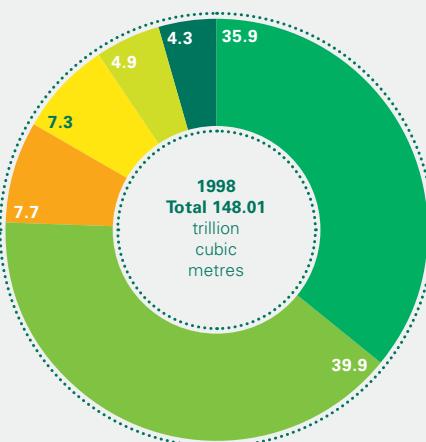
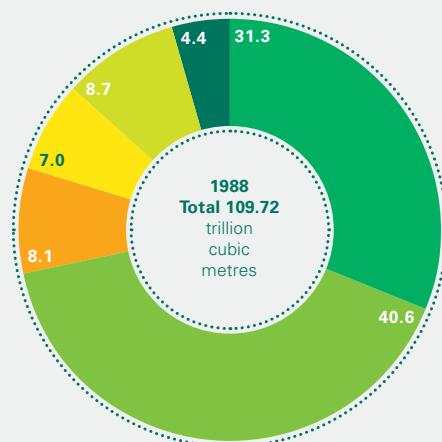
62.89
Europe & Eurasia

75.91
Middle East

Distribution of proved reserves in 1988, 1998 and 2008

Percentage

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





Production*

Billion cubic metres	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	538.7	533.3	543.2	555.5	536.0	540.8	526.4	511.1	524.0	540.5	582.2	7.5%	19.3%
Canada	173.4	176.8	182.2	186.5	187.9	184.7	183.7	187.4	188.4	184.1	175.2	-5.1%	5.7%
Mexico	38.4	37.1	37.8	37.4	38.9	41.2	42.7	45.0	51.6	54.0	54.9	1.3%	1.8%
Total North America	750.5	747.2	763.2	779.4	762.8	766.6	752.8	743.6	764.0	778.7	812.3	4.1%	26.7%
Argentina	29.6	34.6	37.4	37.1	36.1	41.0	44.9	45.6	46.1	44.8	44.1	-1.9%	1.4%
Bolivia	2.8	2.3	3.2	4.7	4.9	6.4	9.8	11.9	12.9	13.8	13.9	0.5%	0.5%
Brazil	6.3	7.4	7.5	7.7	9.2	10.0	11.0	11.0	11.3	11.3	13.9	22.4%	0.5%
Colombia	6.3	5.2	5.9	6.1	6.2	6.1	6.4	6.7	7.0	7.5	9.1	19.8%	0.3%
Trinidad & Tobago	8.6	11.7	14.1	15.2	17.3	24.7	27.3	30.3	36.4	39.0	39.3	0.5%	1.3%
Venezuela	32.3	27.4	27.9	29.6	28.4	25.2	28.4	27.4	31.5	32.1	31.5	-2.2%	1.0%
Other S. & Cent. America	2.9	3.5	3.7	3.9	3.8	3.6	4.0	4.9	5.8	6.5	7.2	11.6%	0.2%
Total S. & Cent. America	88.8	92.0	99.7	104.3	106.0	117.1	131.7	137.9	151.1	155.0	158.9	2.2%	5.2%
Azerbaijan	5.1	5.4	5.1	5.0	4.7	4.6	4.5	5.2	6.1	9.8	14.7	50.0%	0.5%
Denmark	7.6	7.8	8.2	8.4	8.4	8.0	9.4	10.4	10.4	9.2	10.1	9.1%	0.3%
Germany	16.7	17.8	16.9	17.0	17.0	17.7	16.4	15.8	15.6	14.3	13.0	-9.2%	0.4%
Italy	17.4	16.0	15.2	14.0	13.4	12.7	11.9	11.1	10.1	8.9	8.4	-6.1%	0.3%
Kazakhstan	7.2	9.0	10.4	10.5	10.2	12.6	20.0	22.6	23.9	26.4	30.2	13.9%	1.0%
Netherlands	64.8	60.2	58.1	62.4	60.3	58.1	68.5	62.5	61.6	60.5	67.5	11.2%	2.2%
Norway	44.2	48.5	49.7	53.9	65.5	73.1	78.5	85.0	87.6	89.7	99.2	10.4%	3.2%
Poland	3.6	3.4	3.7	3.9	4.0	4.0	4.4	4.3	4.3	4.3	4.1	-6.6%	0.1%
Romania	14.0	14.0	13.8	13.6	13.2	13.0	12.8	12.4	11.9	11.5	11.5	-0.3%	0.4%
Russian Federation	534.8	534.6	528.7	526.2	538.8	561.4	573.3	580.1	593.8	592.0	601.7	1.4%	19.6%
Turkmenistan	12.0	20.6	42.5	46.4	48.4	53.5	52.8	57.0	60.4	65.4	66.1	0.7%	2.1%
Ukraine	16.3	16.4	16.2	16.6	16.9	17.5	18.5	18.8	19.1	19.1	18.7	-2.3%	0.6%
United Kingdom	90.2	99.1	108.4	105.8	103.6	102.9	96.4	88.2	80.0	72.1	69.6	-3.7%	2.3%
Uzbekistan	49.6	50.3	51.1	52.0	51.9	52.0	54.2	54.0	54.5	59.1	62.2	4.9%	2.0%
Other Europe & Eurasia	12.3	11.5	11.2	11.0	11.3	10.7	11.1	10.7	11.5	10.8	10.3	-5.4%	0.3%
Total Europe & Eurasia	895.8	914.7	939.2	946.7	967.6	1001.7	1032.5	1038.2	1050.7	1053.3	1087.3	2.9%	35.4%
Bahrain	8.4	8.7	8.8	9.1	9.5	9.6	9.8	10.7	11.3	11.8	13.4	13.8%	0.4%
Iran	50.0	56.4	60.2	66.0	75.0	81.5	84.9	103.5	108.6	111.9	116.3	3.6%	3.8%
Kuwait	9.5	8.6	9.6	10.5	9.5	11.0	11.9	12.2	12.5	12.1	12.8	5.5%	0.4%
Oman	5.2	5.5	8.7	14.0	15.0	16.5	18.5	19.8	23.7	24.1	24.1	-0.3%	0.8%
Qatar	19.6	22.1	23.7	27.0	29.5	31.4	39.2	45.8	50.7	63.2	76.6	20.9%	2.5%
Saudi Arabia	46.8	46.2	49.8	53.7	56.7	60.1	65.7	71.2	73.5	74.4	78.1	4.7%	2.5%
Syria	5.3	5.4	5.5	5.0	6.1	6.2	6.4	5.5	5.7	5.6	5.5	-2.8%	0.2%
United Arab Emirates	37.1	38.5	38.4	44.9	43.4	44.8	46.3	47.8	49.0	50.4	50.2	-0.7%	1.6%
Other Middle East	3.2	3.4	3.4	3.0	2.6	1.8	2.5	3.4	4.1	4.1	4.1	-1.7%	0.1%
Total Middle East	185.0	194.7	208.1	233.3	247.2	262.9	285.1	319.9	339.1	357.6	381.1	6.3%	12.4%
Algeria	76.6	86.0	84.4	78.2	80.4	82.8	82.0	88.2	84.5	84.8	86.5	1.7%	2.8%
Egypt	14.0	16.8	21.0	25.2	27.3	30.1	33.0	42.5	54.7	55.7	58.9	5.4%	1.9%
Libya	6.4	5.0	5.9	6.2	5.9	5.5	8.1	11.3	13.2	15.3	15.9	3.6%	0.5%
Nigeria	5.1	6.0	12.5	14.9	14.2	19.2	22.8	22.4	28.4	35.0	35.0	-0.2%	1.1%
Other Africa	5.1	5.8	6.3	6.8	7.5	7.1	9.3	11.2	11.8	13.6	18.5	35.7%	0.6%
Total Africa	107.2	119.7	130.1	131.3	135.3	144.8	155.2	175.6	192.6	204.4	214.8	4.8%	7.0%
Australia	30.4	30.8	31.2	32.5	32.6	33.2	35.3	37.1	38.9	40.0	38.3	-4.5%	1.2%
Bangladesh	7.8	8.3	10.0	10.7	11.4	12.3	13.2	14.5	15.3	16.3	17.3	6.0%	0.6%
Brunei	10.8	11.2	11.3	11.4	11.5	12.4	12.2	12.0	12.6	12.3	12.1	-1.2%	0.4%
China	23.3	25.2	27.2	30.3	32.7	35.0	41.5	49.3	58.6	69.2	76.1	9.6%	2.5%
India	24.5	25.1	26.4	26.4	27.6	29.5	29.2	29.6	29.3	30.1	30.6	1.4%	1.0%
Indonesia	64.6	70.0	65.2	63.3	69.7	73.2	70.3	71.2	70.3	67.6	69.7	2.7%	2.3%
Malaysia	38.5	40.8	45.3	46.9	48.3	51.8	53.9	59.9	59.7	60.8	62.5	2.5%	2.0%
Mainmar	1.8	1.7	3.4	7.0	8.4	9.6	10.2	12.2	12.6	13.5	12.4	-8.5%	0.4%
New Zealand	4.6	5.3	5.6	5.9	5.6	4.3	3.8	3.6	3.7	4.1	3.8	-6.3%	0.1%
Pakistan	17.8	20.3	21.5	22.7	24.6	30.4	34.5	35.5	36.1	36.5	37.5	2.6%	1.2%
Thailand	17.5	19.2	20.2	19.6	20.5	21.8	22.4	23.7	24.3	26.0	28.9	10.7%	0.9%
Vietnam	0.9	1.3	1.6	2.0	2.4	2.4	4.2	6.9	6.8	7.1	7.9	11.9%	0.3%
Other Asia Pacific	3.3	3.3	3.3	3.6	5.3	6.4	6.2	7.0	10.5	13.0	14.1	8.5%	0.5%
Total Asia Pacific	245.7	262.6	272.1	282.4	300.6	322.3	336.8	362.6	378.5	396.3	411.2	3.5%	13.4%
Total World	2273.0	2330.9	2412.4	2477.4	2519.4	2615.5	2694.1	2777.8	2876.1	2945.3	3065.6	3.8%	100.0%
of which: European Union	223.4	226.6	232.0	232.9	227.7	223.6	227.4	211.9	201.3	187.5	190.3	1.2%	6.2%
OECD	1041.8	1047.2	1071.0	1093.8	1083.9	1091.2	1088.0	1072.1	1086.6	1092.1	1136.6	3.9%	37.3%
Former Soviet Union	625.3	636.6	654.4	657.1	671.2	701.9	723.5	738.0	758.0	772.2	793.7	2.5%	25.8%
Other EMEs	605.9	647.0	687.0	726.5	764.3	822.4	882.6	967.7	1031.5	1081.1	1135.3	4.7%	36.9%

*Excluding gas flared or recycled.

Source: Includes data from Cedigaz.

Notes: As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 millibar (mbar); because it is derived directly from tonnes of oil equivalent using an average conversion factor, it does 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.

Growth rates are adjusted for leap years.

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



Production*

Million tonnes oil equivalent	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	494.2	487.4	495.5	508.2	489.9	496.2	481.1	468.1	479.3	494.5	533.0	7.5%	19.3%
Canada	156.1	159.1	164.0	167.8	169.1	166.2	165.3	168.7	169.6	165.7	157.7	-5.1%	5.7%
Mexico	34.5	33.4	34.0	33.7	35.0	37.0	38.4	40.5	46.4	48.6	49.4	1.3%	1.8%
Total North America	684.9	679.9	693.5	709.7	694.0	699.4	684.9	677.3	695.3	708.8	740.0	4.1%	26.7%
Argentina	26.6	31.1	33.7	33.4	32.5	36.9	40.4	41.1	41.5	40.3	39.7	-1.9%	1.4%
Bolivia	2.5	2.0	2.9	4.2	4.4	5.7	8.8	10.7	11.6	12.4	12.5	0.5%	0.5%
Brazil	5.7	6.7	6.7	6.9	8.3	9.0	9.9	9.9	10.2	10.2	12.5	22.4%	0.5%
Colombia	5.6	4.7	5.3	5.5	5.5	5.5	5.7	6.0	6.3	6.8	8.2	19.8%	0.3%
Trinidad & Tobago	7.8	10.6	12.6	13.7	15.6	22.3	24.6	27.3	32.8	35.1	35.4	0.5%	1.3%
Venezuela	29.1	24.7	25.1	26.6	25.6	22.7	25.6	24.7	28.3	28.9	28.3	-2.2%	1.0%
Other S. & Cent. America	2.6	3.1	3.3	3.5	3.4	3.3	3.6	4.5	5.2	5.8	6.5	11.6%	0.2%
Total S. & Cent. America	80.0	82.8	89.8	93.9	95.4	105.4	118.6	124.1	136.0	139.5	143.0	2.2%	5.2%
Azerbaijan	4.6	4.9	4.6	4.5	4.2	4.2	4.1	4.7	5.5	8.8	13.3	50.0%	0.5%
Denmark	6.8	7.0	7.3	7.5	7.5	7.2	8.5	9.4	9.4	8.3	9.1	9.1%	0.3%
Germany	15.0	16.1	15.2	15.3	15.3	15.9	14.7	14.2	14.1	12.9	11.7	-9.2%	0.4%
Italy	15.7	14.4	13.7	12.6	12.1	11.5	10.7	10.0	9.1	8.0	7.5	-6.1%	0.3%
Kazakhstan	6.5	8.1	9.4	9.5	9.2	11.3	18.0	20.3	21.5	23.8	27.2	13.9%	1.0%
Netherlands	58.3	54.2	52.3	56.2	54.3	52.2	61.6	56.3	55.4	54.5	60.8	11.2%	2.2%
Norway	39.8	43.6	44.8	48.5	59.0	65.8	70.6	76.5	78.9	80.7	89.3	10.4%	3.2%
Poland	3.2	3.1	3.3	3.5	3.6	3.6	3.9	3.9	3.9	3.9	3.7	-6.6%	0.1%
Romania	12.6	12.6	12.4	12.2	11.9	11.7	11.5	11.2	10.7	10.4	10.4	-0.3%	0.4%
Russian Federation	481.4	481.1	475.8	473.6	484.9	505.2	516.0	522.1	534.4	532.8	541.5	1.4%	19.6%
Turkmenistan	10.8	18.6	38.3	41.8	43.6	48.1	47.5	51.3	54.3	58.9	59.5	0.7%	2.1%
Ukraine	14.6	14.8	14.6	14.9	15.2	15.8	16.6	16.9	17.2	17.2	16.9	-2.3%	0.6%
United Kingdom	81.1	89.2	97.5	95.2	93.2	92.6	86.7	79.4	72.0	64.9	62.6	-3.7%	2.3%
Uzbekistan	44.6	45.3	45.9	46.8	46.7	46.8	48.8	48.6	49.0	53.2	56.0	4.9%	2.0%
Other Europe & Eurasia	11.1	10.3	10.1	9.9	10.1	9.6	10.0	9.7	10.4	9.7	9.2	-5.4%	0.3%
Total Europe & Eurasia	806.2	823.2	845.3	852.1	870.8	901.5	929.2	934.4	945.7	947.9	978.6	2.9%	35.4%
Bahrain	7.5	7.8	7.9	8.2	8.5	8.7	8.8	9.6	10.2	10.6	12.1	13.8%	0.4%
Iran	45.0	50.7	54.2	59.4	67.5	73.4	76.4	93.2	97.7	100.7	104.7	3.6%	3.8%
Kuwait	8.5	7.8	8.6	9.5	8.5	9.9	10.7	11.0	11.3	10.9	11.5	5.5%	0.4%
Oman	4.7	4.9	7.8	12.6	13.5	14.9	16.7	17.8	21.3	21.6	21.6	-0.3%	0.8%
Qatar	17.6	19.8	21.3	24.3	26.6	28.3	35.3	41.2	45.6	56.9	69.0	20.9%	2.5%
Saudi Arabia	42.1	41.6	44.8	48.3	51.0	54.1	59.1	64.1	66.2	67.0	70.3	4.7%	2.5%
Syria	4.8	4.9	4.9	4.5	5.5	5.6	5.8	4.9	5.1	5.1	4.9	-2.8%	0.2%
United Arab Emirates	33.4	34.6	34.5	40.4	39.1	40.3	41.7	43.0	44.1	45.4	45.2	-0.7%	1.6%
Other Middle East	2.9	3.1	3.1	2.7	2.4	1.6	2.3	3.1	3.7	3.7	3.7	-1.7%	0.1%
Total Middle East	166.5	175.3	187.3	209.9	222.5	236.6	256.6	287.9	305.2	321.9	343.0	6.3%	12.4%
Algeria	68.9	77.4	76.0	70.4	72.3	74.5	73.8	79.4	76.0	76.3	77.9	1.7%	2.8%
Egypt	12.6	15.1	18.9	22.7	24.6	27.1	29.7	38.3	49.2	50.1	53.0	5.4%	1.9%
Libya	5.7	4.5	5.3	5.6	5.3	5.0	7.3	10.2	11.9	13.8	14.3	3.6%	0.5%
Nigeria	4.6	5.4	11.3	13.4	12.8	17.3	20.5	20.2	25.6	31.5	31.5	-0.2%	1.1%
Other Africa	4.6	5.2	5.6	6.1	6.8	6.4	8.4	10.1	10.6	12.2	16.7	35.7%	0.6%
Total Africa	96.5	107.7	117.1	118.2	121.7	130.3	139.6	158.1	173.4	184.0	193.3	4.8%	7.0%
Australia	27.3	27.7	28.0	29.2	29.3	29.9	31.7	33.4	35.0	36.0	34.4	-4.5%	1.2%
Bangladesh	7.0	7.5	9.0	9.7	10.3	11.1	11.9	13.1	13.8	14.6	15.6	6.0%	0.6%
Brunei	9.7	10.1	10.2	10.3	10.3	11.1	11.0	10.8	11.3	11.0	10.9	-1.2%	0.4%
China	21.0	22.7	24.5	27.3	29.4	31.5	37.3	44.4	52.7	62.3	68.5	9.6%	2.5%
India	22.0	22.6	23.7	23.8	24.8	26.6	26.3	26.7	26.4	27.1	27.5	1.4%	1.0%
Indonesia	58.1	63.0	58.7	57.0	62.7	65.9	63.3	64.1	63.2	60.9	62.7	2.7%	2.3%
Malaysia	34.6	36.8	40.7	42.2	43.5	46.6	48.5	54.0	53.7	54.7	56.3	2.5%	2.0%
Myanmar	1.6	1.5	3.1	6.3	7.6	8.6	9.2	11.0	11.3	12.2	11.2	-8.5%	0.4%
New Zealand	4.2	4.8	5.1	5.3	5.1	3.9	3.5	3.2	3.3	3.7	3.4	-6.3%	0.1%
Pakistan	16.0	18.3	19.4	20.4	22.1	27.4	31.0	32.0	32.5	32.8	33.8	2.6%	1.2%
Thailand	15.8	17.3	18.2	17.7	18.5	19.6	20.1	21.3	21.9	23.4	26.0	10.7%	0.9%
Vietnam	0.8	1.2	1.4	1.8	2.2	2.1	3.7	6.2	6.1	6.4	7.1	11.9%	0.3%
Other Asia Pacific	3.0	2.9	3.0	3.2	4.7	5.8	5.6	6.3	9.4	11.7	12.7	8.5%	0.5%
Total Asia Pacific	221.1	236.3	244.9	254.2	270.5	290.1	303.1	326.3	340.7	356.7	370.1	3.5%	13.4%
Total World	2055.1	2105.2	2177.8	2237.9	2274.9	2363.4	2432.1	2508.1	2596.3	2658.8	2768.0	3.8%	100.0%
of which: European Union	201.1	203.9	208.8	209.6	205.0	201.3	204.6	190.7	181.2	168.7	171.3	1.2%	6.2%
OECD	947.1	949.9	970.5	992.7	983.0	991.5	986.6	973.0	985.7	990.9	1031.9	3.9%	37.3%
Former Soviet Union	562.7	572.9	589.0	591.4	604.1	631.7	651.2	664.2	682.2	694.9	714.3	2.5%	25.8%
Other EMEs	545.3	582.3	618.3	653.9	687.9	740.2	794.3	870.9	928.4	973.0	1021.8	4.7%	36.9%

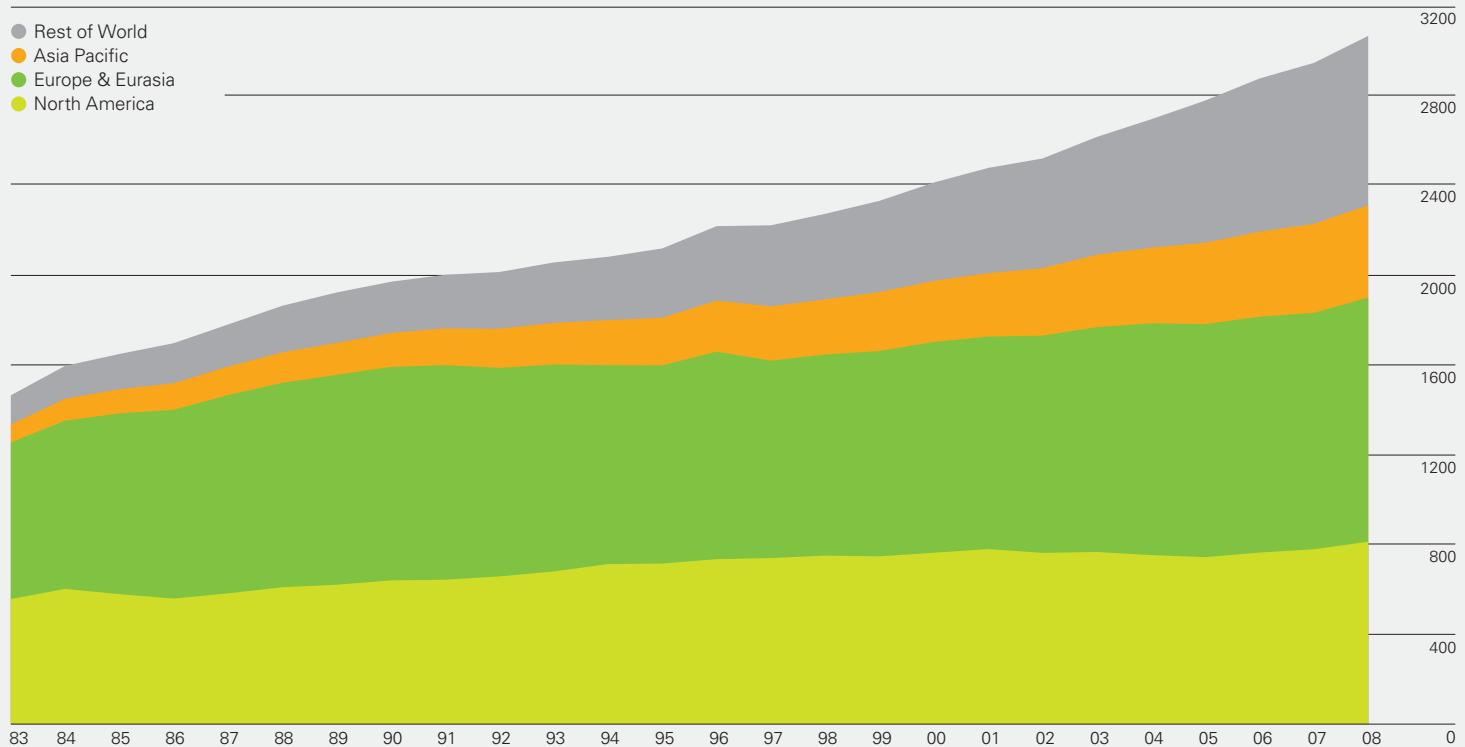
*Excluding gas flared or recycled.

Source: Includes data from Ceditaz.

Note: Growth rates are adjusted for leap years.

Production by region

Billion cubic metres

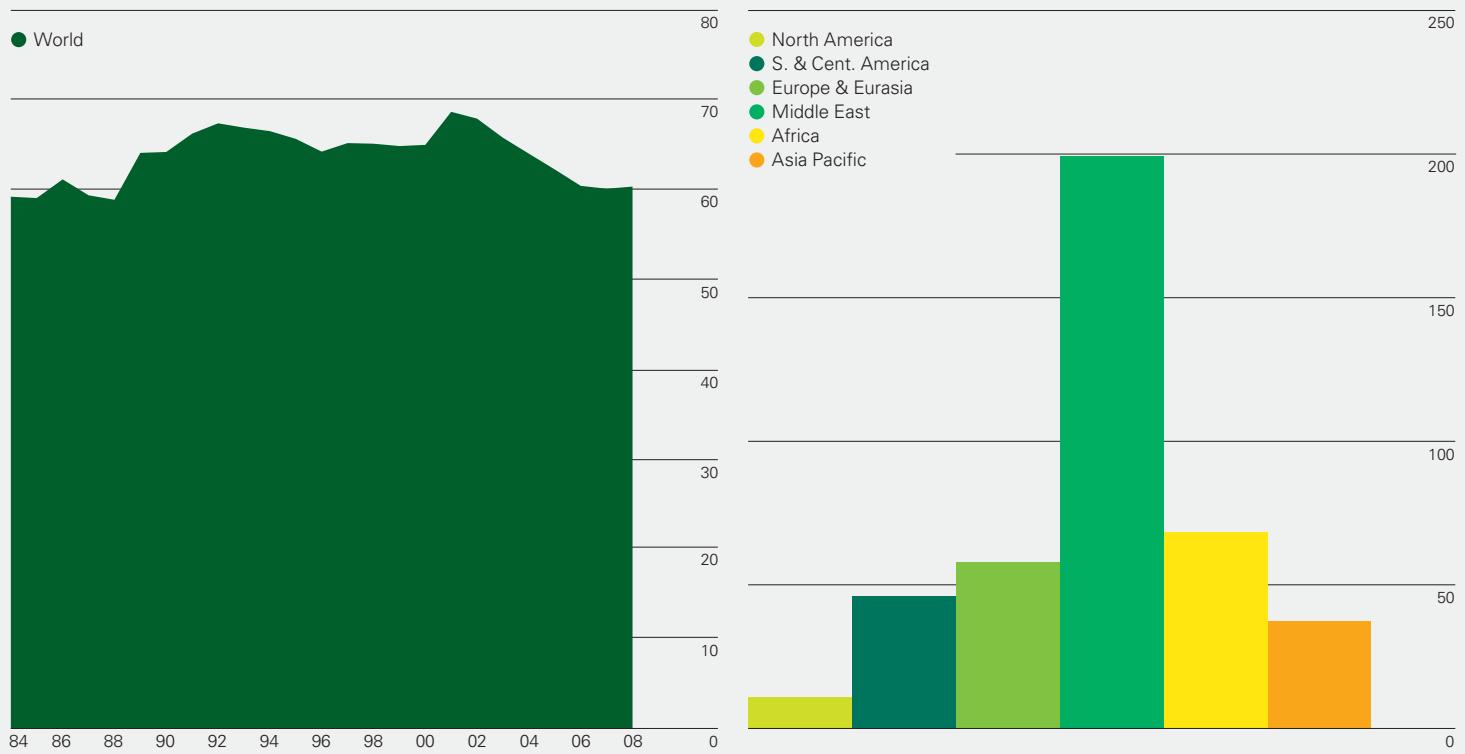


World natural gas production grew by a robust 3.8% in 2008, the strongest volumetric growth since 1984. For the second consecutive year, the US recorded the largest increase, with growth of 41.7tcm. Growth was below the 10-year average for all regions except North America and Europe and Eurasia. Canada recorded the world's largest decline.

Reserves-to-production (R/P) ratios

Years

2008 by region



Global proved reserves of natural gas increased by 7.97tcm in 2008, and the R/P ratio increased to 60.4 years. Increases in Turkmenistan and Iran accounted for most of the growth.



Consumption

Billion cubic metres	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	629.9	634.4	660.7	629.7	651.5	630.8	634.0	623.3	614.1	652.6	657.2	0.6%	22.0%
Canada	83.4	87.4	92.8	88.2	90.2	97.7	95.1	98.1	96.9	96.7	100.0	3.2%	3.3%
Mexico	39.5	37.4	40.2	40.7	45.8	50.6	53.4	53.3	60.9	63.1	67.2	6.2%	2.2%
Total North America	752.8	759.2	793.7	758.7	787.4	779.1	782.4	774.7	771.9	812.4	824.4	1.3%	27.6%
Argentina	30.5	32.4	33.2	31.1	30.3	34.6	37.9	40.4	41.8	43.9	44.5	1.0%	1.5%
Brazil	6.4	7.6	9.4	11.9	14.1	15.8	18.7	19.3	20.6	22.0	25.2	14.2%	0.8%
Chile	3.7	5.0	6.5	7.3	7.4	8.0	8.7	8.4	7.8	4.6	2.6	-43.2%	0.1%
Colombia	6.2	5.2	5.9	6.1	6.1	6.0	6.3	6.7	7.0	7.4	8.2	9.3%	0.3%
Ecuador	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.7	0.5	0.6	7.4%	♦
Peru	0.4	0.4	0.3	0.4	0.4	0.5	0.9	1.5	1.8	2.7	3.4	26.6%	0.1%
Venezuela	32.3	27.4	27.9	29.6	28.4	25.2	28.4	27.4	31.5	32.2	32.4	0.3%	1.1%
Other S. & Cent. America	10.0	11.3	11.9	13.6	14.4	15.9	16.2	19.5	24.0	24.6	26.3	6.6%	0.9%
Total S. & Cent. America	89.8	89.5	95.5	100.3	101.4	106.3	117.4	123.7	135.2	137.9	143.0	3.5%	4.7%
Austria	8.3	8.5	8.1	8.6	8.5	9.4	9.5	10.0	9.4	8.9	9.5	6.3%	0.3%
Azerbaijan	5.1	5.4	5.2	7.5	7.5	7.7	8.3	8.6	9.1	8.0	9.3	16.0%	0.3%
Belarus	14.6	14.8	15.7	15.7	16.1	15.8	17.9	18.4	19.0	18.8	19.2	1.9%	0.6%
Belgium & Luxembourg	13.8	14.7	14.9	14.6	14.8	16.0	16.5	16.6	17.0	16.9	17.0	0.5%	0.6%
Bulgaria	3.5	3.0	3.3	3.0	2.7	2.8	2.8	3.1	3.2	3.3	3.3	-0.3%	0.1%
Czech Republic	8.5	8.6	8.3	8.9	8.7	8.7	9.1	9.6	9.3	8.4	8.7	3.1%	0.3%
Denmark	4.7	5.0	4.9	5.1	5.1	5.2	5.2	5.0	5.1	4.6	4.6	0.5%	0.2%
Finland	3.7	3.7	3.7	4.1	4.0	4.5	4.3	4.0	4.2	3.9	4.0	0.8%	0.1%
France	37.0	37.7	39.7	41.7	41.7	43.3	44.5	45.8	44.1	42.5	44.2	3.7%	1.5%
Germany	79.7	80.2	79.5	82.9	82.6	85.5	85.9	86.2	87.2	82.9	82.0	-1.3%	2.7%
Greece	0.8	1.5	2.0	2.0	2.1	2.4	2.7	2.8	3.2	4.0	4.2	4.2%	0.1%
Hungary	10.9	11.0	10.7	11.9	11.8	13.2	13.0	13.4	12.7	12.0	12.0	-0.1%	0.4%
Iceland	—	—	—	—	—	—	—	—	—	—	—	—	—
Republic of Ireland	3.1	3.3	3.8	4.0	4.1	4.1	4.1	3.9	4.5	4.8	5.0	4.3%	0.2%
Italy	57.2	62.2	64.9	65.0	64.6	71.2	73.9	79.1	77.4	77.8	77.7	-0.4%	2.6%
Kazakhstan	7.1	7.7	9.4	9.8	10.8	12.9	14.9	18.8	20.3	19.5	20.6	5.1%	0.7%
Lithuania	2.3	2.4	2.7	2.8	2.9	3.1	3.1	3.3	3.2	3.6	3.2	-10.5%	0.1%
Netherlands	39.6	38.5	39.0	40.0	39.8	40.0	40.9	39.3	38.1	37.0	38.6	3.9%	1.3%
Norway	3.8	3.6	4.0	3.8	4.0	4.3	4.6	4.5	4.4	4.3	4.4	2.9%	0.1%
Poland	10.6	10.3	11.1	11.5	11.2	11.2	13.1	13.6	13.7	13.7	13.9	1.4%	0.5%
Portugal	0.8	2.3	2.4	2.6	3.1	3.0	3.8	4.2	4.1	4.2	4.6	8.3%	0.2%
Romania	18.7	17.2	17.1	16.6	17.2	18.3	17.5	17.6	18.1	16.1	14.5	-9.8%	0.5%
Russian Federation	353.8	352.8	366.0	361.5	377.3	381.2	389.9	393.0	419.2	425.7	420.2	-1.6%	13.9%
Slovakia	6.4	6.4	6.5	6.9	6.5	6.3	6.1	6.6	6.0	5.7	5.7	1.1%	0.2%
Spain	13.1	15.0	16.9	18.2	20.8	23.6	27.4	32.4	33.7	35.1	39.0	10.7%	1.3%
Sweden	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.9	1.0	1.0	-7.6%	♦
Switzerland	2.6	2.7	2.7	2.8	2.8	2.9	3.0	3.1	3.0	2.9	3.1	5.4%	0.1%
Turkey	10.3	12.4	14.6	16.0	17.4	20.9	22.1	26.9	30.5	35.1	36.0	2.5%	1.2%
Turkmenistan	10.0	11.0	12.2	12.5	12.9	14.2	15.0	16.1	18.4	21.3	19.0	-10.9%	0.6%
Ukraine	66.7	70.9	71.0	68.8	67.7	65.8	71.0	70.9	65.1	62.7	59.7	-5.0%	2.0%
United Kingdom	87.9	93.6	96.9	96.4	95.1	95.4	97.4	94.7	90.1	90.9	93.9	3.0%	3.1%
Uzbekistan	45.6	47.8	45.7	49.6	50.9	45.8	43.4	42.7	41.9	45.9	48.7	5.9%	1.6%
Other Europe & Eurasia	14.4	12.7	13.2	14.5	13.6	14.1	15.6	15.8	16.3	16.8	17.1	1.2%	0.6%
Total Europe & Eurasia	945.4	967.5	996.9	1010.0	1029.1	1053.9	1087.2	1110.6	1132.4	1138.3	1143.9	0.2%	37.8%
Iran	51.8	58.4	62.9	70.1	79.2	82.9	86.5	105.0	108.7	113.0	117.6	3.8%	3.9%
Kuwait	9.5	8.6	9.6	10.5	9.5	11.0	11.9	12.2	12.5	12.1	12.8	5.5%	0.4%
Qatar	14.8	14.0	9.7	11.0	11.1	12.2	15.0	18.7	19.6	19.7	19.8	0.4%	0.7%
Saudi Arabia	46.8	46.2	49.8	53.7	56.7	60.1	65.7	71.2	73.5	74.4	78.1	4.7%	2.6%
United Arab Emirates	30.4	31.4	31.4	37.9	36.4	37.9	40.2	42.1	43.4	49.3	58.1	17.5%	1.9%
Other Middle East	21.6	22.5	23.4	23.7	24.7	25.0	27.8	30.1	33.8	34.8	40.7	16.7%	1.3%
Total Middle East	174.8	181.1	186.7	206.8	217.6	229.0	247.1	279.2	291.5	303.3	327.1	7.6%	10.8%
Algeria	20.9	21.3	19.8	20.5	20.2	21.4	22.0	23.2	23.7	24.3	25.4	4.1%	0.8%
Egypt	13.7	16.4	20.0	24.5	26.5	29.7	31.7	31.6	36.5	38.4	40.9	6.3%	1.3%
South Africa	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Africa	15.0	15.6	17.4	17.6	18.0	20.4	23.6	24.5	23.7	26.5	28.6	7.6%	0.9%
Total Africa	49.5	53.4	57.2	62.6	64.7	71.5	77.4	79.4	83.9	89.2	94.9	6.1%	3.1%
Australia	19.8	20.2	20.5	22.0	22.4	22.8	21.9	24.0	24.9	23.5	-5.7%	0.8%	
Bangladesh	7.8	8.3	10.0	10.7	11.4	12.3	13.2	14.5	15.3	17.3	6.0%	0.6%	
China	20.3	21.5	24.5	27.4	29.2	33.9	39.7	46.8	56.1	69.5	80.7	15.8%	2.7%
China Hong Kong SAR	3.0	3.3	3.0	2.9	1.8	2.7	2.7	2.7	2.9	2.2	2.6	15.4%	0.1%
India	24.5	25.1	26.4	26.4	27.6	29.5	31.9	35.7	37.3	40.1	41.4	3.0%	1.4%
Indonesia	29.5	32.0	29.7	31.0	32.9	35.2	33.2	35.2	35.9	34.0	38.0	11.5%	1.3%
Japan	66.1	69.4	72.3	74.3	72.7	79.8	77.0	78.6	83.7	90.2	93.7	3.6%	3.1%
Malaysia	17.4	16.1	24.3	25.8	26.7	27.1	24.5	29.3	29.0	28.5	30.7	7.2%	1.0%
New Zealand	4.6	5.3	5.6	5.9	5.6	4.3	3.8	3.6	3.7	4.1	3.8	-6.3%	0.1%
Pakistan	17.8	20.3	21.5	22.7	24.6	30.4	34.5	35.5	36.1	36.5	37.5	2.6%	1.2%
Philippines	†	†	†	0.1	1.8	2.7	2.4	3.3	2.9	3.4	3.5	1.1%	0.1%
Singapore	1.5	1.5	1.7	4.6	5.0	5.4	6.5	6.5	8.6	8.6	9.2	6.6%	0.3%
South Korea	15.4	18.7	21.0	23.1	25.7	26.9	31.5	33.7	35.6	38.5	39.7	2.8%	1.3%
Taiwan	6.2	6.3	6.8	7.3	8.2	8.4	10.2	10.3	11.1	11.8	12.8	8.4%	0.4%
Thailand	17.6	19.2	22.0	24.8	26.9	28.8	29.9	32.5	33.3	35.4	37.4	5.6%	1.2%
Other Asia Pacific	4.5	4.9	5.5	5.8	6.0	6.5	8.7	12.1	12.3	13.0	13.6	4.3%	0.4%
Total Asia Pacific	255.8	272.2	294.9	314.9	329.5	355.6	372.3	402.2	427.8	456.8	485.3	5.9%	16.0%
Total World	2268.2	2322.8	2424.8	2453.3	2529.7	2595.5	2683.9	2769.8	2842.7	2938.0	3018.7	2.5%	100.0%
of which: European Union	414.3	428.6	440.1	450.8	451.5	471.6	485.0	495.5	488.9	480.9	490.1	1.6%	16.2%
OECD	1262.4	1294.8	1348.4	1331.7	1363.5	1384.6	1405.3	1414.8	1417.4	1466.7	1494.3	1.7%	49.7%
Former Soviet Union	513.7	520.2	535.5	536.5	553.3	554.3	572.1	580.9	605.7	615.1	609.6	-1.2%	20.1%
Other EMEs	492.1	507.8	541.0	585.1	612.9	656.6	706.5	774.1	819.6	856.1	914.9	6.6%	30.2%



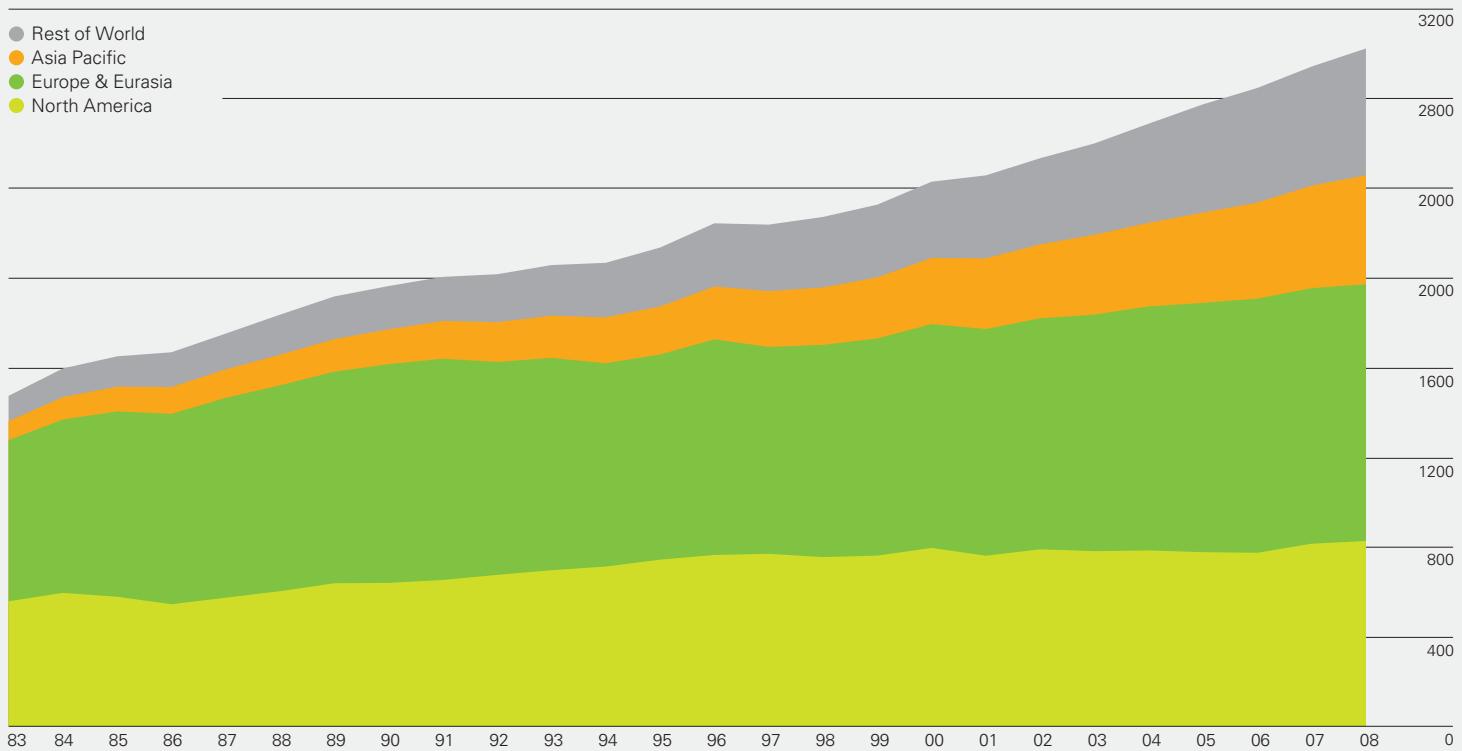
Consumption

Million tonnes oil equivalent	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	575.3	577.3	600.4	573.9	593.7	577.0	577.9	569.1	560.0	595.4	600.7	0.6%	22.0%
Canada	75.1	78.6	83.5	79.4	81.2	87.9	85.6	88.3	87.3	87.0	90.0	3.2%	3.3%
Mexico	35.5	33.6	36.2	36.7	41.2	45.5	48.0	48.0	54.8	56.8	60.5	6.2%	2.2%
Total North America	685.9	689.6	720.0	689.9	716.0	710.4	711.4	705.4	702.1	739.3	751.2	1.3%	27.6%
Argentina	27.5	29.1	29.9	28.0	27.2	31.1	34.1	36.4	37.6	39.5	40.0	1.0%	1.5%
Brazil	5.7	6.8	8.5	10.7	12.7	14.2	16.8	17.4	18.5	19.8	22.7	14.2%	0.8%
Chile	3.3	4.5	5.8	6.6	6.6	7.2	7.8	7.5	7.0	4.1	2.3	-43.2%	0.1%
Colombia	5.6	4.7	5.3	5.5	5.5	5.4	5.7	6.0	6.3	6.7	7.3	9.3%	0.3%
Ecuador	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.7	0.5	0.5	7.4%	♦
Peru	0.4	0.4	0.3	0.3	0.4	0.5	0.8	1.4	1.6	2.4	3.1	26.6%	0.1%
Venezuela	29.1	24.7	25.1	26.6	25.6	22.7	25.6	24.7	28.3	29.0	29.1	0.3%	1.1%
Other S. & Cent. America	9.0	10.2	10.7	12.2	12.9	14.3	14.6	17.6	21.6	22.1	23.6	6.6%	0.9%
Total S. & Cent. America	80.8	80.6	85.9	90.2	91.2	95.7	105.7	111.3	121.7	124.1	128.7	3.5%	4.7%
Austria	7.5	7.6	7.3	7.7	7.7	8.5	8.5	9.0	8.5	8.0	8.5	6.3%	0.3%
Azerbaijan	4.6	4.9	4.7	6.8	6.8	7.0	7.5	7.7	8.2	7.2	8.4	16.0%	0.3%
Belarus	13.1	13.4	14.2	14.1	14.5	14.3	16.1	16.5	17.1	16.9	17.3	1.9%	0.6%
Belgium & Luxembourg	12.4	13.3	13.4	13.2	13.4	14.4	14.9	14.9	15.3	15.2	15.3	0.5%	0.6%
Bulgaria	3.1	2.7	2.9	2.7	2.4	2.5	2.5	2.8	2.9	2.9	2.9	-0.3%	0.1%
Czech Republic	7.7	7.7	7.5	8.0	7.8	7.8	8.2	8.6	8.4	7.6	7.8	3.1%	0.3%
Denmark	4.3	4.5	4.4	4.6	4.6	4.7	4.7	4.5	4.6	4.1	4.1	0.5%	0.2%
Finland	3.3	3.3	3.4	3.7	3.6	4.0	3.9	3.6	3.8	3.5	3.6	0.8%	0.1%
France	33.3	33.9	35.7	37.5	37.5	39.0	40.1	41.3	39.7	38.3	39.8	3.7%	1.5%
Germany	71.7	72.1	71.5	74.6	74.3	77.0	77.3	77.6	78.5	74.6	73.8	-1.3%	2.7%
Greece	0.8	1.3	1.8	1.8	1.9	2.2	2.4	2.5	2.9	3.6	3.8	4.2%	0.1%
Hungary	9.8	9.9	9.7	10.7	10.6	11.9	11.7	12.1	11.5	10.8	10.8	-0.1%	0.4%
Iceland	—	—	—	—	—	—	—	—	—	—	—	—	—
Republic of Ireland	2.8	3.0	3.4	3.6	3.7	3.7	3.7	3.5	4.0	4.3	4.5	4.3%	0.2%
Italy	51.5	56.0	58.4	58.5	58.1	64.1	66.5	71.2	69.7	70.0	69.9	-0.4%	2.6%
Kazakhstan	6.4	6.9	8.5	8.8	9.7	11.6	13.4	16.9	18.2	17.6	18.5	5.1%	0.7%
Lithuania	2.1	2.2	2.5	2.5	2.6	2.8	2.8	2.9	2.9	3.3	2.9	-10.5%	0.1%
Netherlands	35.6	34.7	35.1	36.0	35.8	36.0	36.8	35.3	34.3	33.3	34.7	3.9%	1.3%
Norway	3.4	3.2	3.6	3.4	3.6	3.9	4.1	4.0	4.0	3.8	4.0	2.9%	0.1%
Poland	9.5	9.3	10.0	10.4	10.1	10.1	11.8	12.3	12.3	12.3	12.5	1.4%	0.5%
Portugal	0.7	2.0	2.1	2.3	2.8	2.7	3.4	3.8	3.7	3.8	4.1	8.3%	0.2%
Romania	16.8	15.5	15.4	14.9	15.5	16.5	15.7	15.8	16.3	14.5	13.1	-9.8%	0.5%
Russian Federation	318.5	317.5	329.4	325.4	325.6	343.1	350.9	353.7	377.3	383.1	378.2	-1.6%	13.9%
Slovakia	5.7	5.8	5.8	6.2	5.8	5.7	5.5	5.9	5.4	5.1	5.2	1.1%	0.2%
Spain	11.8	13.5	15.2	16.4	18.8	21.3	24.7	29.1	30.3	31.6	35.1	10.7%	1.3%
Sweden	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.8	0.9	0.9	0.9	-7.6%	♦
Switzerland	2.4	2.4	2.4	2.5	2.5	2.6	2.7	2.8	2.7	2.6	2.8	5.4%	0.1%
Turkey	9.2	11.1	13.1	14.4	15.6	18.8	19.9	24.2	27.4	31.6	32.4	2.5%	1.2%
Turkmenistan	9.0	9.9	11.0	11.2	11.6	12.8	13.5	14.5	16.5	19.1	17.1	-10.9%	0.6%
Ukraine	60.0	63.8	63.9	61.9	60.9	59.2	63.9	63.8	58.6	56.4	53.8	-5.0%	2.0%
United Kingdom	79.1	84.2	87.2	86.7	85.6	85.8	87.7	85.2	81.1	81.8	84.5	3.0%	3.1%
Uzbekistan	41.0	43.0	41.1	44.6	45.8	41.2	39.1	38.4	37.7	41.3	43.8	5.9%	1.6%
Other Europe & Eurasia	12.9	11.4	11.9	13.0	12.2	12.7	14.0	14.2	14.7	15.1	15.4	1.2%	0.6%
Total Europe & Eurasia	850.8	870.8	897.2	909.0	926.2	948.5	978.5	999.6	1019.2	1024.5	1029.6	0.2%	37.8%
Iran	46.6	52.5	56.6	63.1	71.3	74.6	77.9	94.5	97.8	101.7	105.8	3.8%	3.9%
Kuwait	8.5	7.8	8.6	9.5	8.5	9.9	10.7	11.0	11.3	10.9	11.5	5.5%	0.4%
Qatar	13.3	12.6	8.7	9.9	10.0	11.0	13.5	16.8	17.6	17.7	17.9	0.4%	0.7%
Saudi Arabia	42.1	41.6	44.8	48.3	51.0	54.1	59.1	64.1	66.2	67.0	70.3	4.7%	2.6%
United Arab Emirates	27.4	28.3	28.3	34.1	32.8	34.1	36.2	37.8	39.0	44.4	52.3	17.5%	1.9%
Other Middle East	19.4	20.3	21.0	21.3	22.2	22.5	25.0	27.1	30.4	31.3	36.6	16.7%	1.3%
Total Middle East	157.3	163.0	168.1	186.1	195.8	206.1	222.4	251.3	262.3	273.0	294.4	7.6%	10.8%
Algeria	18.8	19.2	17.9	18.5	18.2	19.3	19.8	20.9	21.4	21.9	22.8	4.1%	0.8%
Egypt	12.3	14.8	18.0	22.1	23.9	26.7	28.5	28.4	32.9	34.5	36.8	6.3%	1.3%
South Africa	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Africa	13.5	14.1	15.7	15.9	16.2	18.4	21.3	22.1	21.3	23.9	25.8	7.6%	0.9%
Total Africa	44.6	48.0	51.5	56.4	58.2	64.4	69.6	71.4	75.5	80.3	85.4	6.1%	3.1%
Australia	17.8	18.2	18.5	19.8	20.2	20.2	20.5	19.7	21.6	22.4	21.2	-5.7%	0.8%
Bangladesh	7.0	7.5	9.0	9.7	10.3	11.1	11.9	13.1	13.8	14.6	15.6	6.0%	0.6%
China	18.2	19.3	22.1	24.7	26.3	30.5	35.7	42.1	50.5	62.6	72.6	15.8%	2.7%
China Hong Kong SAR	2.7	3.0	2.7	2.7	2.6	1.7	2.4	2.4	2.6	2.0	2.3	15.4%	0.1%
India	22.0	22.6	23.7	23.8	24.8	26.6	28.7	32.1	33.5	36.0	37.2	3.0%	1.4%
Indonesia	26.5	28.8	26.8	27.9	29.6	31.7	29.8	31.7	32.3	30.6	34.2	11.5%	1.3%
Japan	59.5	62.5	65.1	66.8	65.4	71.8	69.3	70.7	75.4	81.2	84.4	3.6%	3.1%
Malaysia	15.7	14.5	21.9	23.2	24.0	24.4	22.0	26.4	26.1	25.7	27.6	7.2%	1.0%
New Zealand	4.2	4.8	5.1	5.3	5.1	3.9	3.5	3.2	3.3	3.7	3.4	-6.3%	0.1%
Pakistan	16.0	18.3	19.4	20.4	22.1	27.4	31.0	32.0	32.5	32.8	33.8	2.6%	1.2%
Philippines	†	†	†	0.1	1.6	2.4	2.1	3.0	2.6	3.1	3.1	1.1%	0.1%
Singapore	1.4	1.4	1.6	4.1	4.5	4.8	5.9	5.9	7.7	7.7	8.3	6.6%	0.3%
South Korea	13.8	16.8	18.9	20.8	23.1	24.2	28.4	30.4	32.0	34.7	35.7	2.8%	1.3%
Taiwan	5.6	5.7	6.1	6.6	7.4	7.6	9.2	9.3	10.0	10.6	11.5	8.4%	0.4%
Thailand	15.8	17.3	19.8	22.3	24.2	26.0	26.9	29.3	30.0	31.8	33.7	5.6%	1.2%
Other Asia Pacific	4.1	4.4	4.9	5.2	5.4	5.9	7.8	10.9	11.0	11.7	12.2	4.3%	0.4%
Total Asia Pacific	230.3	245.0	265.4	283.4	296.5	320.1	335.1	362.0	385.0	411.2	436.8	5.9%	16.0%
Total World	2049.7	2096.9	2188.1	2215.1	2284.0	2345.2	2422.8	2501.0	2565.8	2652.2	2726.1	2.5%	100.0%
of which: European Union	372.9	385.7	396.1	405.7	406.3	424.4	436.5	445.9	440.0	432.8	441.1	1.6%	16.2%
OECD	1144.6	1171.7	1219.3	1205.7	1234.4	1255.4	1272.1	1281.4	1283.1	1328.1	1354.1	1.7%	49.7%
Former Soviet Union	462.3	468.2	481.9	482.8	498.0	498.8	514.9	522.8	545.1	553.6	548.6	-1.2%	20.1%
Other EMEs	442.8	457.0	486.9	526.6	551.6	591.0	635.8	696.7	737.6	770.5	823.4	6.6%	30.2%

Consumption by region

Billion cubic metres

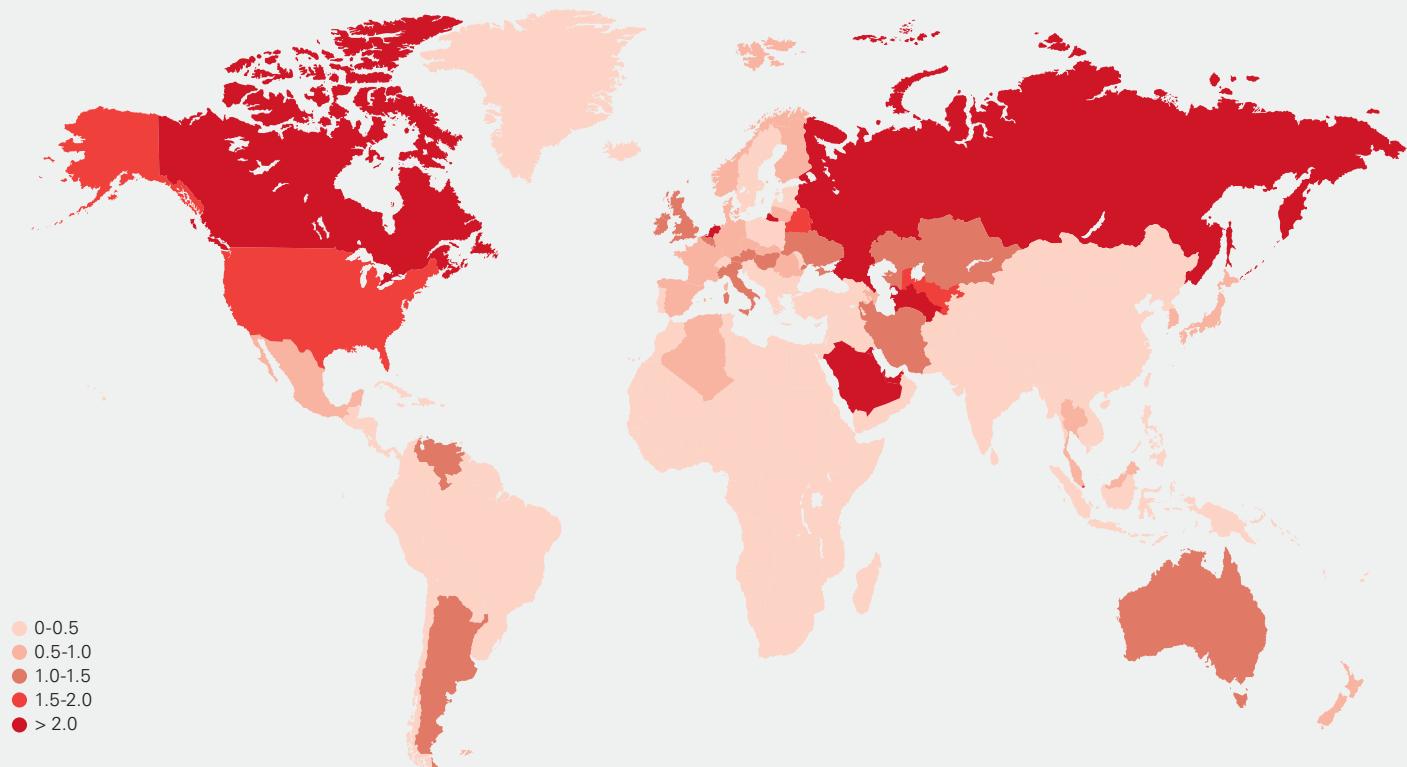
- Rest of World
- Asia Pacific
- Europe & Eurasia
- North America



World natural gas consumption grew by 2.5% in 2008, below the historical average. Growth was broadly distributed, although only North America and the Middle East saw above average growth in aggregate. China accounted for the largest increment to gas consumption, while Russia recorded the largest decline.

Consumption per capita 2008

Tonnes oil equivalent



Trade movements 2008 by pipeline

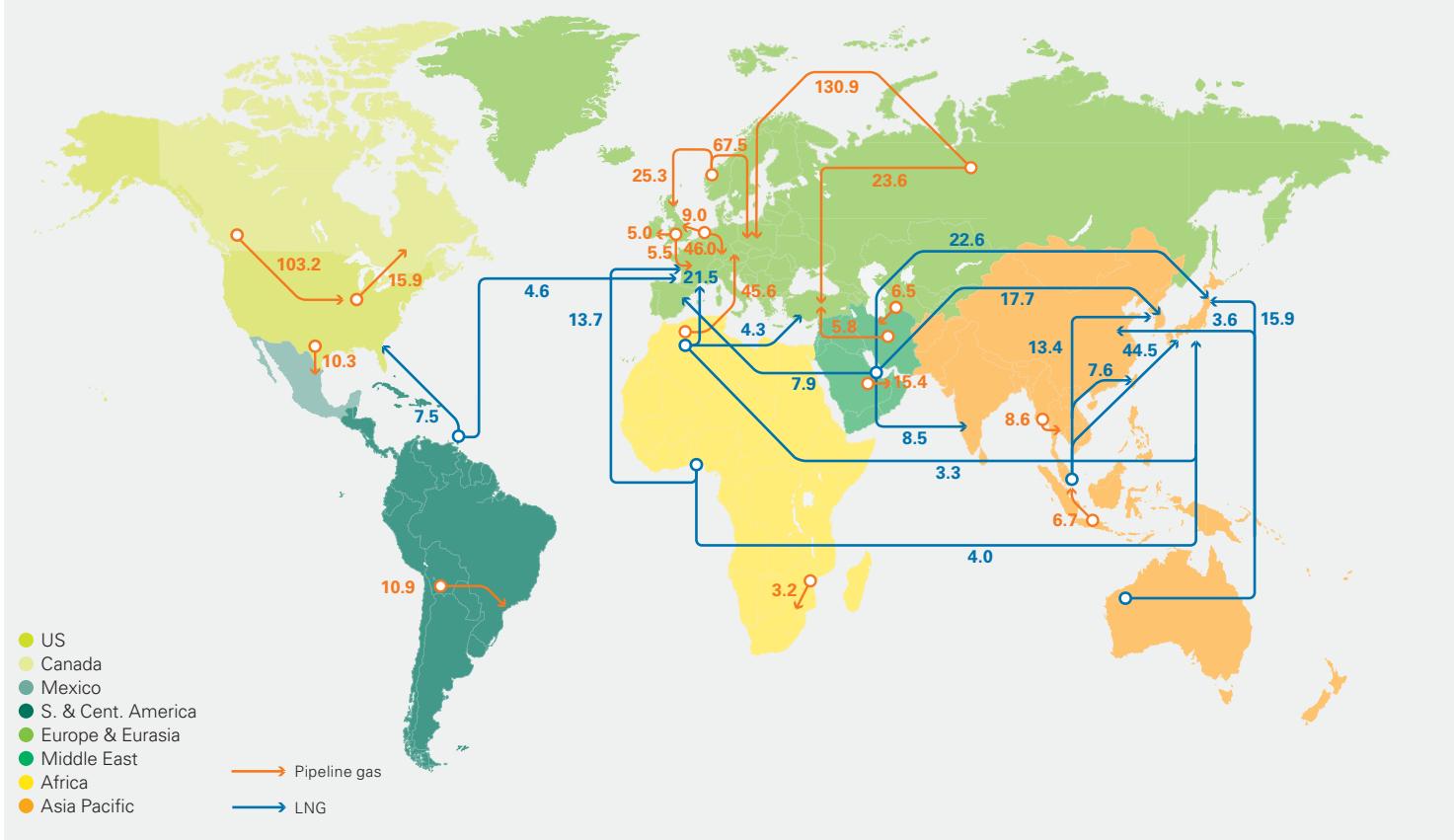
To	US	Canada	Mexico	Bolivia	Other S & Cent America	Belgium	Germany	Netherlands	Norway	United Kingdom	Russian Fed	Turkmenistan & Eurasia	Iran	Qatar	Algeria	Egypt	Libya	Mozambique	Indonesia	Malaysia	Myanmar	Total imports		
From																								
North America																								
US	—	103.20	1.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	104.41			
Canada	15.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.90			
Mexico	10.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.28			
S. & Cent. America																								
Argentina	—	—	—	0.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.89			
Brazil	—	—	—	10.90	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.03			
Chile	—	—	—	—	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.69			
Others	—	—	—	—	0.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.97			
Europe																								
Austria	—	—	—	—	—	1.20	—	1.10	—	5.80	—	—	—	—	—	—	—	—	—	—	—	8.10		
Belgium	—	—	—	—	—	0.70	7.90	7.95	1.70	—	—	—	—	—	—	—	—	—	—	—	—	18.25		
Bulgaria	—	—	—	—	—	—	—	—	—	3.10	—	—	—	—	—	—	—	—	—	—	—	3.10		
Croatia	—	—	—	—	—	—	—	—	—	1.06	—	0.23	—	—	—	—	—	—	—	—	—	1.29		
Czech Republic	—	—	—	—	—	—	—	2.01	—	6.60	—	—	—	—	—	—	—	—	—	—	—	8.61		
Finland	—	—	—	—	—	—	—	—	—	4.50	—	—	—	—	—	—	—	—	—	—	—	4.50		
France	—	—	—	—	0.80	2.40	8.00	15.90	0.60	8.80	—	0.16	—	—	—	—	—	—	—	—	—	36.66		
Germany	—	—	—	—	—	—	20.50	26.40	1.60	36.20	—	2.40	—	—	—	—	—	—	—	—	—	87.10		
Greece	—	—	—	—	—	—	—	—	—	2.80	—	0.40	—	—	—	—	—	—	—	—	—	3.20		
Hungary	—	—	—	—	—	2.10	—	—	—	8.90	—	0.50	—	—	—	—	—	—	—	—	—	11.50		
Ireland	—	—	—	—	—	—	—	—	5.00	—	—	—	—	—	—	—	—	—	—	—	—	5.00		
Italy	—	—	—	—	—	1.10	8.70	6.00	0.70	24.50	—	—	24.44	—	9.87	—	—	—	—	—	—	75.31		
Lithuania	—	—	—	—	—	—	—	—	—	3.09	—	—	—	—	—	—	—	—	—	—	—	3.09		
Luxembourg	—	—	—	—	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.20		
Netherlands	—	—	—	—	—	4.40	—	6.23	0.90	4.33	—	2.14	—	—	—	—	—	—	—	—	—	18.00		
Poland	—	—	—	—	—	1.10	—	—	—	7.20	—	1.50	—	—	—	—	—	—	—	—	—	9.80		
Portugal	—	—	—	—	—	—	—	—	—	—	—	—	1.93	—	—	—	—	—	—	—	—	—	1.93	
Romania	—	—	—	—	—	—	—	—	—	3.50	—	1.00	—	—	—	—	—	—	—	—	—	—	4.50	
Serbia	—	—	—	—	—	—	—	—	—	2.15	—	—	—	—	—	—	—	—	—	—	—	—	2.15	
Slovakia	—	—	—	—	—	—	—	—	—	5.60	—	—	—	—	—	—	—	—	—	—	—	—	5.60	
Spain	—	—	—	—	—	—	—	1.80	—	—	—	0.10	—	8.97	—	—	—	—	—	—	—	—	10.87	
Switzerland	—	—	—	—	—	1.45	0.90	0.09	—	0.35	—	0.40	—	—	—	—	—	—	—	—	—	3.19		
Turkey	—	—	—	—	—	—	—	—	—	23.55	—	2.95	5.80	—	—	—	—	—	—	—	—	—	32.30	
United Kingdom	—	—	—	—	—	1.12	—	9.00	25.30	—	—	—	—	—	—	—	—	—	—	—	—	35.42		
Others	—	—	—	—	—	0.09	—	—	—	2.38	—	0.91	—	0.41	—	—	—	—	—	—	—	—	3.79	
Middle East																								
Iran	—	—	—	—	—	—	—	—	—	—	6.50	0.40	—	—	—	—	—	—	—	—	—	—	6.90	
Jordan	—	—	—	—	—	—	—	—	—	—	—	—	2.72	—	—	—	—	—	—	—	—	—	—	2.72
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	15.40	—	—	—	—	—	—	—	—	—	—	15.40	
Others	—	—	—	—	—	—	—	—	—	—	—	1.70	—	0.14	—	—	—	—	—	—	—	—	—	1.84
Africa																								
Tunisia	—	—	—	—	—	—	—	—	—	—	—	—	1.25	—	—	—	—	—	—	—	—	—	—	1.25
Other Africa	—	—	—	—	—	—	—	—	—	—	—	0.50	—	—	3.20	—	—	—	—	—	—	—	—	3.70
Asia Pacific																								
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.27	
Thailand	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.55	
Total exports	26.18	103.20	1.21	11.79	1.79	2.52	15.14	55.00	92.78	10.50	154.41	6.50	13.09	5.80	17.10	37.50	2.86	9.87	3.20	6.65	1.62	8.55	587.26	

Notes: Flows are on a contractual basis and may not correspond to physical gas flows in all cases.
Data excludes trade within the Former Soviet Union, except the three Baltic States.

Source: Cedigaz (provisional).

Major trade movements

Trade flows worldwide (billion cubic metres)



Prices

US dollars per million Btu	LNG Japan cif	Natural gas					Crude oil OECD countries cif
		European Union cif	UK Heren NBP Index†	US Henry Hub‡	Canada Alberta‡		
1985	5.23	3.83	—	—	—	—	4.75
1986	4.10	3.65	—	—	—	—	2.57
1987	3.35	2.59	—	—	—	—	3.09
1988	3.34	2.36	—	—	—	—	2.56
1989	3.28	2.09	—	1.70	—	—	3.01
1990	3.64	2.82	—	1.64	1.05	3.82	
1991	3.99	3.18	—	1.49	0.89	3.33	
1992	3.62	2.76	—	1.77	0.98	3.19	
1993	3.52	2.53	—	2.12	1.69	2.82	
1994	3.18	2.24	—	1.92	1.45	2.70	
1995	3.46	2.37	—	1.69	0.89	2.96	
1996	3.66	2.43	1.87	2.76	1.12	3.54	
1997	3.91	2.65	1.96	2.53	1.36	3.29	
1998	3.05	2.26	1.86	2.08	1.42	2.16	
1999	3.14	1.80	1.58	2.27	2.00	2.98	
2000	4.72	3.25	2.71	4.23	3.75	4.83	
2001	4.64	4.15	3.17	4.07	3.61	4.08	
2002	4.27	3.46	2.37	3.33	2.57	4.17	
2003	4.77	4.40	3.33	5.63	4.83	4.89	
2004	5.18	4.56	4.46	5.85	5.03	6.27	
2005	6.05	5.95	7.38	8.79	7.25	8.74	
2006	7.14	8.69	7.87	6.76	5.83	10.66	
2007	7.73	8.93	6.01	6.95	6.17	11.95	
2008	12.55	12.61	10.79	8.85	7.99	16.76	

†Price is for NBP Day-Ahead Index. Source: ICIS Heren Energy Ltd.

‡Source: *Natural Gas Week*.

Note: Btu = British thermal units; cif = cost+insurance+freight (average prices).

Coal



Proved reserves at end 2008

	Anthracite and bituminous	Sub- bituminous and lignite	Total	Share of total	R/P ratio
Million tonnes					
US	108950	129358	238308	28.9%	224
Canada	3471	3107	6578	0.8%	97
Mexico	860	351	1211	0.1%	106
Total North America	113281	132816	246097	29.8%	216
Brazil	—	7059	7059	0.9%	*
Colombia	6434	380	6814	0.8%	93
Venezuela	479	—	479	0.1%	74
Other S. & Cent. America	51	603	654	0.1%	*
Total S. & Cent. America	6964	8042	15006	1.8%	172
Bulgaria	5	1991	1996	0.2%	70
Czech Republic	1673	2828	4501	0.5%	75
Germany	152	6556	6708	0.8%	35
Greece	—	3900	3900	0.5%	58
Hungary	199	3103	3302	0.4%	351
Kazakhstan	28170	3130	31300	3.8%	273
Poland	6012	1490	7502	0.9%	52
Romania	12	410	422	0.1%	12
Russian Federation	49088	107922	157010	19.0%	481
Spain	200	330	530	0.1%	32
Turkey	—	1814	1814	0.2%	21
Ukraine	15351	18522	33873	4.1%	438
United Kingdom	155	—	155	♦	9
Other Europe & Eurasia	1025	18208	19233	2.3%	268
Total Europe & Eurasia	102042	170204	272246	33.0%	218
South Africa	30408	—	30408	3.7%	121
Zimbabwe	502	—	502	0.1%	287
Other Africa	929	174	1103	0.1%	*
Middle East	1386	—	1386	0.2%	*
Total Middle East & Africa	33225	174	33399	4.0%	131
Australia	36800	39400	76200	9.2%	190
China	62200	52300	114500	13.9%	41
India	54000	4600	58600	7.1%	114
Indonesia	1721	2607	4328	0.5%	19
Japan	355	—	355	♦	289
New Zealand	33	538	571	0.1%	111
North Korea	300	300	600	0.1%	17
Pakistan	1	2069	2070	0.3%	496
South Korea	133	—	133	♦	48
Thailand	—	1354	1354	0.2%	75
Vietnam	150	—	150	♦	4
Other Asia Pacific	115	276	391	♦	26
Total Asia Pacific	155809	103444	259253	31.4%	64
Total World	411321	414680	826001	100.0%	122
of which: European Union	8427	21143	29570	3.6%	51
OECD	159012	193083	352095	42.6%	164
Former Soviet Union	93609	132386	225995	27.4%	433
Other EMEs	158700	89211	247911	30.0%	60

*More than 500 years.

♦Less than 0.05%.

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.

Source of reserves data: World Energy Council, 2009.

Prices

US dollars per tonne	Northwest Europe marker pricet	US Central Appalachian coal spot price index†	Japan coking coal import cif price	Japan steam coal import cif price
1990	43.48	31.59	60.54	50.81
1991	42.80	29.01	60.45	50.30
1992	38.53	28.53	57.82	48.45
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
1999	28.79	31.29	42.83	35.74
2000	35.99	29.90	39.69	34.58
2001	39.29	49.74	41.33	37.96
2002	31.65	32.95	42.01	36.90
2003	42.52	38.48	41.57	34.74
2004	71.90	64.33	60.96	51.34
2005	61.07	70.14	89.33	62.91
2006	63.67	62.98	93.46	63.04
2007	86.60	51.12	88.24	69.86
2008	149.78	116.14	179.03	122.81

†Source: McCloskey Coal Information Service.

‡Price is for CAPP 12,500Btu, 1.2 SO₂ coal, fob. Source: Platts.

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

Proved reserves at end 2008

Thousand million tonnes (anthracite and bituminous coal shown in brackets)



1.4 (1.4)

Middle East

15.0 (7.0)

S. & Cent. America

32.0 (31.8)

Africa

246.1 (113.3)

North America

259.3 (155.8)

Asia Pacific

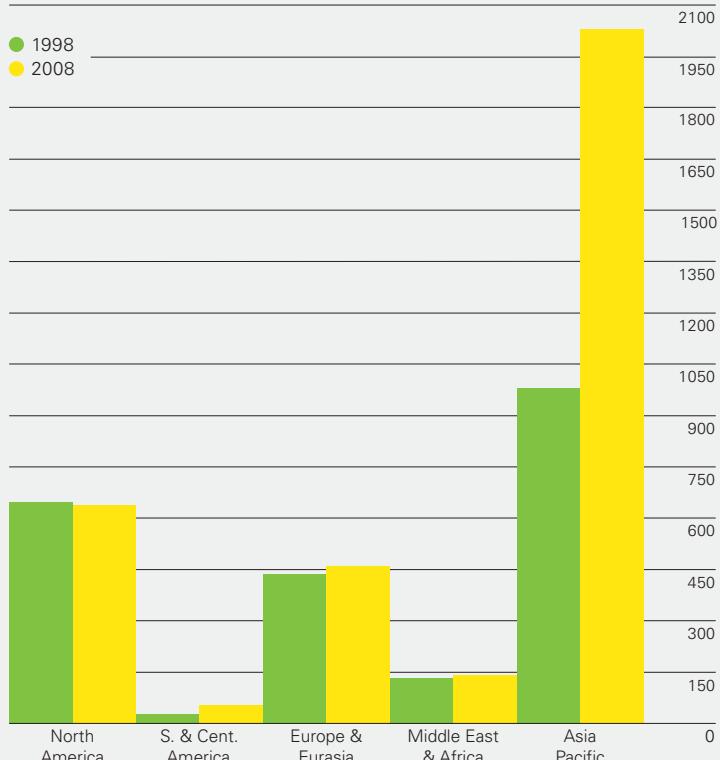
272.2 (102.0)

Europe & Eurasia

Production

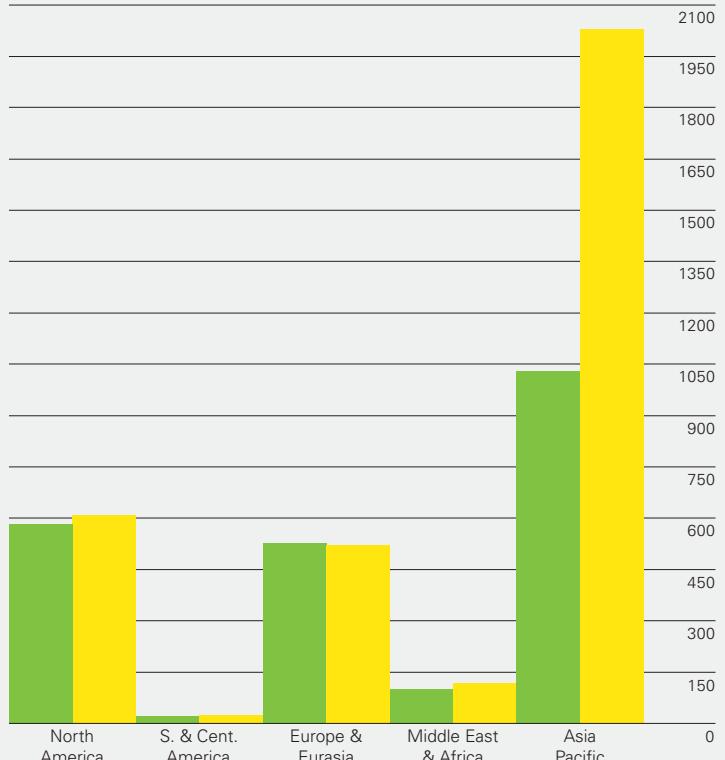
Million tonnes oil equivalent

● 1998
● 2008



Consumption

Million tonnes oil equivalent



World coal consumption grew by 3.1% in 2008, the first below-average increase since 2002. Coal nonetheless remained the fastest-growing primary energy source for the sixth consecutive year. China accounted for more than 85% of global growth even though Chinese consumption growth was below average.



Production*

Million tonnes oil equivalent	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	603.2	584.3	570.1	590.3	570.1	553.6	572.4	580.2	595.1	587.7	596.9	1.3%	18.0%
Canada	40.8	39.2	37.1	37.6	34.9	32.2	34.7	35.6	34.5	36.9	36.0	-2.6%	1.1%
Mexico	4.8	4.9	5.4	5.3	5.3	4.6	4.7	5.2	5.5	6.0	5.5	-8.6%	0.2%
Total North America	648.8	628.3	612.6	633.2	610.2	590.4	611.8	620.9	635.2	630.6	638.4	1.0%	19.2%
Brazil	2.0	2.1	2.9	2.1	1.9	1.8	2.0	2.4	2.2	2.3	2.4	7.6%	0.1%
Colombia	21.9	21.3	24.9	28.5	25.7	32.5	34.9	38.4	42.6	45.4	47.8	4.9%	1.4%
Venezuela	4.7	4.8	5.8	5.6	5.9	5.1	5.9	5.3	5.4	5.9	4.7	-20.2%	0.1%
Other S. & Cent. America	0.8	0.5	0.4	0.5	0.4	0.5	0.2	0.3	0.6	0.5	0.6	36.3%	♦
Total S. & Cent. America	29.5	28.7	33.9	36.8	33.9	39.9	43.0	46.3	50.9	54.0	55.5	2.5%	1.7%
Bulgaria	5.0	4.2	4.4	4.4	4.4	4.6	4.5	4.1	4.2	4.7	4.8	1.3%	0.1%
Czech Republic	26.0	23.1	25.0	25.4	24.3	24.2	23.5	23.5	23.7	23.4	22.8	-3.0%	0.7%
France	3.6	3.3	2.3	1.5	1.1	1.3	0.4	0.2	0.2	0.2	0.1	-50.1%	♦
Germany	61.3	59.4	56.5	54.1	55.0	54.1	54.7	53.2	50.3	51.5	47.7	-7.7%	1.4%
Greece	8.1	8.0	8.2	8.5	9.1	9.5	9.6	9.4	8.6	9.0	9.1	0.3%	0.3%
Hungary	3.0	3.1	2.9	2.9	2.7	2.8	2.4	2.0	2.1	2.0	1.9	-4.5%	0.1%
Kazakhstan	36.0	30.0	38.5	40.7	37.8	43.3	44.4	44.2	49.1	50.0	58.8	17.1%	1.8%
Poland	79.6	77.0	71.3	71.7	71.3	71.4	70.5	68.7	67.0	62.3	60.5	-3.3%	1.8%
Romania	5.7	5.1	6.4	7.1	6.6	7.0	6.7	6.6	6.5	6.7	6.5	-3.2%	0.2%
Russian Federation	103.9	112.1	116.0	122.6	117.3	127.1	131.7	139.2	145.1	148.2	152.8	2.8%	4.6%
Spain	9.3	8.6	8.0	7.6	7.2	6.8	6.7	6.4	6.2	6.0	5.5	-9.1%	0.2%
Turkey	13.9	13.3	13.9	14.2	11.5	10.5	10.5	12.8	13.4	15.8	17.8	12.6%	0.5%
Ukraine	39.9	42.3	42.0	43.5	42.8	41.7	42.2	40.9	41.8	39.9	40.2	0.4%	1.2%
United Kingdom	25.0	22.5	19.0	19.4	18.2	17.2	15.3	12.5	11.3	10.3	10.9	5.0%	0.3%
Other Europe & Eurasia	16.7	13.4	14.0	14.4	15.3	15.8	15.6	14.7	15.7	16.7	17.1	2.0%	0.5%
Total Europe & Eurasia	437.0	425.3	428.6	438.2	424.6	437.2	438.7	438.4	445.3	447.0	456.4	1.8%	13.7%
Total Middle East	0.6	0.7	0.6	0.5	0.4	0.6	0.6	0.6	0.5	0.5	0.5	-0.3%	♦
South Africa	127.1	125.6	126.6	126.1	124.1	134.1	137.2	137.7	138.0	139.6	141.1	0.8%	4.2%
Zimbabwe	3.5	3.2	2.8	2.9	2.5	1.8	2.4	1.9	1.4	1.4	1.1	-17.2%	♦
Other Africa	1.4	1.3	1.2	1.2	1.3	1.6	1.3	1.2	1.2	1.1	1.1	-0.3%	♦
Total Africa	132.0	130.1	130.7	130.2	128.0	137.5	140.9	140.7	140.5	142.1	143.4	0.6%	4.3%
Australia	149.8	160.8	166.3	179.9	184.5	190.1	198.8	206.5	211.0	218.5	219.9	0.3%	6.6%
China	628.7	645.9	656.7	697.6	733.7	868.4	1012.1	1120.0	1205.1	1282.4	1414.5	10.0%	42.5%
India	126.5	124.4	132.2	133.6	138.5	144.4	155.7	162.1	170.2	181.0	194.3	7.0%	5.8%
Indonesia	38.3	45.3	47.4	56.5	63.6	70.3	81.4	93.9	119.2	133.7	141.1	5.3%	4.2%
Japan	2.0	2.2	1.7	1.8	0.8	0.7	0.7	0.6	0.7	0.8	0.7	-14.0%	♦
New Zealand	2.0	2.1	2.2	2.4	2.7	3.2	3.2	3.2	3.5	3.0	3.1	5.5%	0.1%
Pakistan	1.5	1.5	1.4	1.5	1.6	1.5	1.5	1.6	1.7	1.6	1.9	14.8%	0.1%
South Korea	2.0	1.9	1.9	1.7	1.5	1.5	1.4	1.3	1.3	1.3	1.3	-4.0%	♦
Thailand	6.1	5.7	5.1	5.6	5.7	5.3	5.6	5.8	5.3	5.1	5.1	-1.3%	0.2%
Vietnam	6.4	4.9	6.5	7.5	9.2	10.8	14.7	18.3	21.8	23.1	23.6	2.1%	0.7%
Other Asia Pacific	15.7	18.0	19.3	19.7	19.3	20.0	21.7	23.8	24.1	24.9	25.3	1.6%	0.8%
Total Asia Pacific	978.9	1012.8	1040.8	1107.8	1161.0	1316.2	1496.9	1637.1	1764.0	1875.4	2030.7	8.0%	61.1%
Total World	2226.8	2225.9	2247.1	2346.7	2358.1	2521.8	2732.0	2884.2	3036.3	3149.5	3324.9	5.3%	100.0%
of which: European Union	229.2	216.7	206.6	205.1	202.5	201.2	196.3	188.4	181.8	178.0	171.5	-3.9%	5.2%
OECD	1036.0	1015.2	993.7	1026.9	1003.1	986.9	1012.4	1022.8	1036.6	1038.1	1042.5	0.1%	31.4%
Former Soviet Union	180.8	185.5	197.4	207.8	198.9	212.8	219.4	225.5	237.2	239.2	252.9	5.4%	7.6%
Other EMEs	1010.0	1025.3	1056.0	1112.1	1156.1	1322.0	1500.2	1635.8	1762.5	1872.1	2029.6	8.1%	61.0%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal.

♦Less than 0.05%.

Notes: Growth rates are adjusted for leap years.

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



Consumption*

Million tonnes oil equivalent	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	545.7	544.9	569.0	552.2	552.0	562.5	566.1	574.2	565.7	573.2	565.0	-1.7%	17.1%
Canada	30.8	30.5	31.8	34.0	31.6	33.4	29.9	31.7	31.0	32.3	33.0	2.0%	1.0%
Mexico	5.9	6.0	6.2	6.8	7.6	8.6	7.0	9.1	9.4	9.1	9.0	-2.1%	0.3%
Total North America	582.3	581.4	606.9	593.0	591.1	604.5	603.0	614.9	606.1	614.6	606.9	-1.5%	18.4%◆
Argentina	0.8	0.9	0.8	0.6	0.5	0.7	0.8	0.9	0.3	0.4	0.4	-0.3%	
Brazil	11.4	11.9	12.5	12.2	11.5	11.8	12.8	12.7	12.5	13.4	14.6	9.1%	0.4%
Chile	3.7	3.9	3.0	2.3	2.4	2.3	2.6	2.6	3.2	3.3	3.2	-3.2%	0.1%
Colombia	2.8	2.4	2.7	2.7	2.5	2.4	2.0	2.3	2.4	2.7	2.3	-14.9%	0.1%
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—	—
Peru	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	-0.3%	♦
Venezuela	†	0.1	†	†	†	†	†	†	0.1	0.1	†	-15.8%	♦
Other S. & Cent. America	0.5	0.6	0.6	0.7	1.0	2.1	1.9	1.8	2.1	2.2	2.2	1.7%	0.1%
Total S. & Cent. America	19.7	20.1	20.1	19.0	18.3	19.6	20.5	20.8	20.9	22.5	23.3	3.3%	0.7%
Austria	3.0	3.2	3.2	2.9	3.0	2.9	2.9	2.8	2.8	3.1	3.1	2.6%	0.1%
Azerbaijan	—	—	—	†	†	†	†	†	†	†	†	19.7%	♦
Belarus	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	†	-36.7%	♦
Belgium & Luxembourg	7.9	6.9	7.6	7.6	6.7	6.5	6.4	6.1	6.1	5.5	4.6	-16.1%	0.1%
Bulgaria	8.2	6.6	6.3	6.9	6.5	7.1	6.9	6.9	7.1	7.8	7.5	-4.4%	0.2%
Czech Republic	20.5	19.0	21.0	21.2	20.6	20.8	20.5	19.8	19.4	20.0	19.1	-5.1%	0.6%
Denmark	5.6	4.7	4.0	4.2	4.2	5.7	4.6	3.7	5.6	4.7	4.1	-13.0%	0.1%
Finland	3.4	3.6	3.5	4.0	4.4	5.8	5.3	3.1	5.2	4.6	3.4	-26.3%	0.1%
France	16.1	14.3	13.9	12.1	12.4	13.3	12.8	13.3	12.1	12.3	11.9	-3.2%	0.4%
Germany	84.8	80.2	84.9	85.0	84.6	87.2	85.4	82.1	83.5	85.7	80.9	-5.9%	2.4%
Greece	8.8	9.1	9.2	9.3	9.8	9.4	9.0	8.8	8.1	8.5	8.6	0.3%	0.3%
Hungary	3.4	3.4	3.2	3.4	3.1	3.4	3.1	2.7	2.9	2.9	2.8	-3.7%	0.1%
Iceland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-8.3%	♦
Republic of Ireland	1.9	1.6	1.8	1.9	1.8	1.7	1.8	1.8	1.6	1.5	1.4	-8.0%	♦
Italy	11.6	11.6	13.0	13.7	14.2	15.3	17.1	17.0	17.2	17.2	17.0	-1.7%	0.5%
Kazakhstan	22.9	19.8	23.2	22.5	22.8	25.2	26.5	27.2	28.1	30.8	33.6	8.5%	1.0%
Lithuania	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-2.6%	♦
Netherlands	9.4	7.7	8.6	8.5	8.9	9.1	9.1	8.7	8.5	9.0	9.2	2.1%	0.3%
Norway	0.7	0.7	0.7	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.7%	♦
Poland	63.8	61.0	57.6	58.0	56.7	57.7	57.3	55.7	58.0	57.9	59.4	2.2%	1.8%
Portugal	3.6	3.6	4.5	3.7	4.1	3.8	3.7	3.8	3.8	3.3	3.2	-4.9%	0.1%
Romania	7.0	6.7	7.0	7.2	7.6	7.8	7.4	7.6	8.5	7.4	7.7	4.4%	0.2%
Russian Federation	100.7	101.0	105.2	102.4	103.0	104.0	99.5	94.2	96.7	93.5	101.3	8.1%	3.1%
Slovakia	4.5	4.3	4.0	4.1	4.0	4.2	4.1	3.9	3.9	3.8	3.9	2.0%	0.1%
Spain	17.7	20.5	21.6	19.5	21.9	20.5	21.0	21.2	18.5	20.2	14.6	-28.1%	0.4%
Sweden	2.0	2.0	1.9	2.0	2.2	2.2	2.3	2.2	2.3	2.2	2.0	-10.7%	0.1%
Switzerland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.3%	♦
Turkey	24.0	22.6	25.5	21.8	21.2	21.8	23.0	26.1	28.8	31.0	30.4	-2.3%	0.9%
Turkmenistan	—	—	—	—	—	—	—	—	—	—	—	—	—
Ukraine	36.9	38.5	38.8	39.4	38.3	39.0	39.1	37.5	39.8	39.7	39.3	-1.1%	1.2%
United Kingdom	38.6	34.3	36.7	38.9	35.7	38.1	36.6	37.4	40.8	38.2	35.4	-7.6%	1.1%
Uzbekistan	1.2	0.9	1.0	1.1	1.0	1.0	1.2	1.1	1.1	1.4	1.4	2.0%	♦
Other Europe & Eurasia	20.9	16.4	17.3	16.5	18.7	19.6	20.1	18.4	15.5	15.7	16.1	2.2%	0.5%
Total Europe & Eurasia	529.5	504.5	525.6	518.7	518.6	533.9	527.8	514.1	526.6	528.9	522.7	-1.4%	15.8%
Iran	1.0	1.0	1.1	1.1	1.1	1.0	1.2	1.3	1.3	1.3	1.3	2.1%	♦
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Middle East	5.8	5.7	6.2	7.2	7.6	7.9	8.0	7.9	7.8	8.1	8.1	-0.3%	0.2%
Total Middle East	6.8	6.7	7.3	8.3	8.7	9.0	9.0	9.1	9.1	9.3	9.4	♦	0.3%
Algeria	0.5	0.5	0.5	0.6	0.9	0.8	0.8	0.6	0.7	0.7	0.7	-0.4%	♦
Egypt	0.8	0.6	0.6	0.7	0.7	0.9	0.9	1.0	0.9	1.0	1.0	-1.3%	♦
South Africa	83.4	82.3	81.9	80.6	83.5	89.3	94.5	91.9	93.8	97.7	102.8	4.9%	3.1%
Other Africa	7.0	6.5	6.4	7.3	7.2	6.4	7.2	7.3	6.8	6.2	5.7	-8.3%	0.2%
Total Africa	91.6	89.9	89.4	89.3	92.4	97.4	103.4	100.8	102.3	105.7	110.3	4.0%	3.3%
Australia	45.8	46.2	46.5	47.9	51.3	50.5	53.1	54.9	56.9	55.8	51.3	-8.3%	1.6%
Bangladesh	0.1	†	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	-0.3%	♦
China	651.9	656.2	667.4	681.3	713.8	853.1	983.0	1100.5	1215.0	1313.6	1406.3	6.8%	42.6%
China Hong Kong SAR	4.4	3.9	3.7	4.9	5.4	6.6	6.6	6.7	7.0	7.5	7.0	-7.7%	0.2%
India	136.1	135.8	144.2	145.2	151.8	156.8	172.3	184.4	195.4	212.9	231.4	8.4%	7.0%
Indonesia	9.3	11.6	13.7	16.7	18.0	17.9	20.2	26.1	24.2	28.4	30.2	5.9%	0.9%
Japan	88.4	91.5	98.9	103.0	106.6	112.2	120.8	121.3	119.1	125.3	128.7	2.4%	3.9%
Malaysia	1.6	1.8	1.9	2.6	3.6	4.2	5.7	6.3	7.3	7.1	5.0	-29.6%	0.2%
New Zealand	1.1	1.2	1.1	1.3	1.3	1.9	2.0	2.2	2.2	1.6	2.1	26.8%	0.1%
Pakistan	2.1	2.1	2.0	2.1	2.4	2.9	3.8	4.1	4.2	5.1	6.7	30.3%	0.2%
Philippines	2.7	2.9	4.3	4.5	4.7	4.7	5.0	5.7	5.5	5.9	6.2	4.3%	0.2%
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—
South Korea	36.1	38.2	43.0	45.7	49.1	51.1	53.1	54.8	54.8	59.7	66.1	10.4%	2.0%
Taiwan	23.6	24.8	28.7	30.6	32.7	35.1	36.6	38.1	39.6	41.8	40.2	-4.2%	1.2%
Thailand	7.3	7.9	7.8	8.8	9.2	9.4	10.4	11.2	12.4	14.1	15.4	8.4%	0.5%
Other Asia Pacific	21.3	24.0	25.5	26.4	25.9	26.5	29.6	30.9	33.2	34.2	34.6	0.7%	1.0%
Total Asia Pacific	1031.8	1048.0	1089.0	1121.5	1176.1	1333.2	1502.5	1647.6	1777.2	1913.5	2031.2	5.9%	61.5%
Total World	2261.7	2250.7	2338.4	2349.7	2405.2	2597.6	2766.2	2907.4	3042.3	3194.5	3303.7	3.1%	100.0%
of which: European Union	323.5	306.1	315.3	315.5	314.0	323.9	318.8	310.1	317.3	317.4	301.2	-5.4%	9.1%
OECD	1085.0	1072.8	1123.1	1113.7	1119.8	1150.2	1158.8	1169.1	1168.6	1189.4	1170.6	-1.9%	35.4%
Former Soviet Union	163.9	161.3	169.1	166.1	166.0	170.3	167.6	161.1	166.8	166.5	176.9	6.0%	5.4%
Other EMEs	1012.8	1016.6	1046.2	1069.9	1119.3	1277.1	1439.8	1577.2	1706.9	1838.6	1956.3	6.1%	59.2%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal.

†Less than 0.05.

‡Less than 0.05%.

Note: Growth rates are adjusted for leap years.

Nuclear energy



Consumption*

Million tonnes oil equivalent	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
US	160.5	173.5	179.6	183.1	185.8	181.9	187.8	186.3	187.5	192.1	192.0	-0.3%	31.0%
Canada	16.2	16.6	16.5	17.4	17.1	16.9	20.5	20.8	22.0	21.0	21.1	0.2%	3.4%
Mexico	2.1	2.3	1.9	2.0	2.2	2.4	2.1	2.4	2.5	2.4	2.3	-2.5%	0.4%
Total North America	178.7	192.4	197.9	202.5	205.1	201.2	210.3	209.5	212.0	215.4	215.4	-0.3%	34.8%
Argentina	1.7	1.6	1.4	1.6	1.3	1.7	1.8	1.6	1.7	1.6	1.6	1.4%	0.3%
Brazil	0.7	0.9	1.4	3.2	3.1	3.0	2.6	2.2	3.1	2.8	3.1	12.2%	0.5%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-
Other S. & Cent. America	-	-	-	-	-	-	-	-	-	-	-	-	-
Total S. & Cent. America	2.4	2.5	2.8	4.8	4.4	4.7	4.4	3.8	4.8	4.4	4.8	8.3%	0.8%
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium & Luxembourg	10.4	11.1	10.9	10.5	10.7	10.7	10.7	10.8	10.5	10.9	10.4	-5.4%	1.7%
Bulgaria	3.8	3.6	4.1	4.4	4.6	4.5	4.4	4.2	4.4	3.3	3.6	7.4%	0.6%
Czech Republic	3.0	3.0	3.1	3.3	4.2	5.9	6.0	5.6	5.9	5.9	6.0	1.2%	1.0%
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-
Finland	5.0	5.3	5.1	5.2	5.4	5.5	5.5	5.5	5.4	5.6	5.4	-2.9%	0.9%
France	87.8	89.2	94.0	95.3	98.8	99.8	101.7	102.4	102.1	99.7	99.6	-0.3%	16.1%
Germany	36.6	38.5	38.4	38.8	37.3	37.4	37.8	36.9	37.9	31.8	33.7	5.6%	5.4%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	3.2	3.2	3.2	3.2	3.2	2.5	2.7	3.1	3.0	3.3	3.4	0.7%	0.5%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-
Republic of Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	3.1	2.2	1.9	2.6	3.2	3.5	3.4	2.3	2.0	2.2	2.2	0.3%	0.4%
Netherlands	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	1.0	0.9	-1.0%	0.2%
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	1.2	1.2	1.2	1.2	1.2	1.1	1.3	1.3	1.3	1.7	2.5	45.2%	0.4%
Russian Federation	23.6	27.1	29.5	31.0	32.1	33.6	32.7	33.4	35.4	36.5	36.9	0.7%	6.0%
Slovakia	2.6	3.0	3.7	3.9	4.1	4.0	3.9	4.0	4.1	3.5	3.8	8.6%	0.6%
Spain	13.4	13.3	14.1	14.4	14.3	14.0	14.4	13.0	13.6	12.5	13.3	6.9%	2.2%
Sweden	15.9	16.6	13.0	16.3	15.4	15.3	17.3	16.4	15.2	15.2	14.5	-4.3%	2.3%
Switzerland	5.8	5.6	6.0	6.0	6.1	6.2	6.1	5.2	6.3	6.3	6.2	-1.1%	1.0%
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	17.0	16.3	17.5	17.2	17.7	18.4	19.7	20.1	20.4	20.9	20.3	-3.2%	3.3%
United Kingdom	22.5	21.5	19.3	20.4	19.9	20.1	18.1	18.5	17.1	14.3	11.9	-17.0%	1.9%
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Europe & Eurasia	1.5	1.5	1.5	1.6	1.8	1.6	1.8	1.9	1.9	1.9	2.0	5.6%	0.3%
Total Europe & Eurasia	257.3	263.1	267.4	276.3	280.8	285.0	288.2	285.5	287.2	276.4	276.7	-0.2%	44.7%
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	-	-											
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	3.2	3.1	3.1	2.6	2.9	3.0	3.4	2.9	2.4	3.0	3.0	0.6%	0.5%
Other Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	3.2	3.1	3.1	2.6	2.9	3.0	3.4	2.9	2.4	3.0	3.0	0.6%	0.5%
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-
China	3.2	3.4	3.8	4.0	5.7	9.8	11.4	12.0	12.4	14.1	15.5	9.8%	2.5%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-
India	2.6	2.9	3.6	4.3	4.4	4.1	3.8	4.0	4.0	4.0	3.5	-13.2%	0.6%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	74.0	71.9	72.3	72.7	71.3	52.1	64.7	66.3	68.9	63.1	57.0	-10.0%	9.2%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	0.1	†	0.2	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.4	-25.4%	0.1%
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	20.3	23.3	24.7	25.4	27.0	29.3	29.6	33.2	33.7	32.3	34.2	5.3%	5.5%
Taiwan	8.3	8.7	8.7	8.0	8.9	8.8	8.9	9.0	9.0	9.2	9.2	0.4%	1.5%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	108.5	110.2	113.3	114.8	117.7	104.6	119.0	125.2	128.6	123.3	119.8	-3.1%	19.3%
Total World	550.2	571.2	584.5	600.9	610.9	598.7	625.4	626.9	634.9	622.5	619.7	-0.7%	100.0%
of which: European Union	210.5	213.6	213.9	221.6	224.5	226.3	229.2	226.1	224.5	212.1	212.7	♦	34.3%
OECD	480.2	498.7	506.5	518.7	523.6	504.9	529.6	531.3	536.3	520.7	515.7	-1.2%	83.2%
Former Soviet Union	44.0	46.2	49.4	51.2	53.4	56.0	56.4	56.4	58.4	60.3	60.0	-0.7%	9.7%
Other EMEs	26.0	26.4	28.6	31.0	33.9	37.7	39.4	39.1	40.2	41.6	44.0	5.5%	7.1%

*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%.

♦Less than 0.05%.

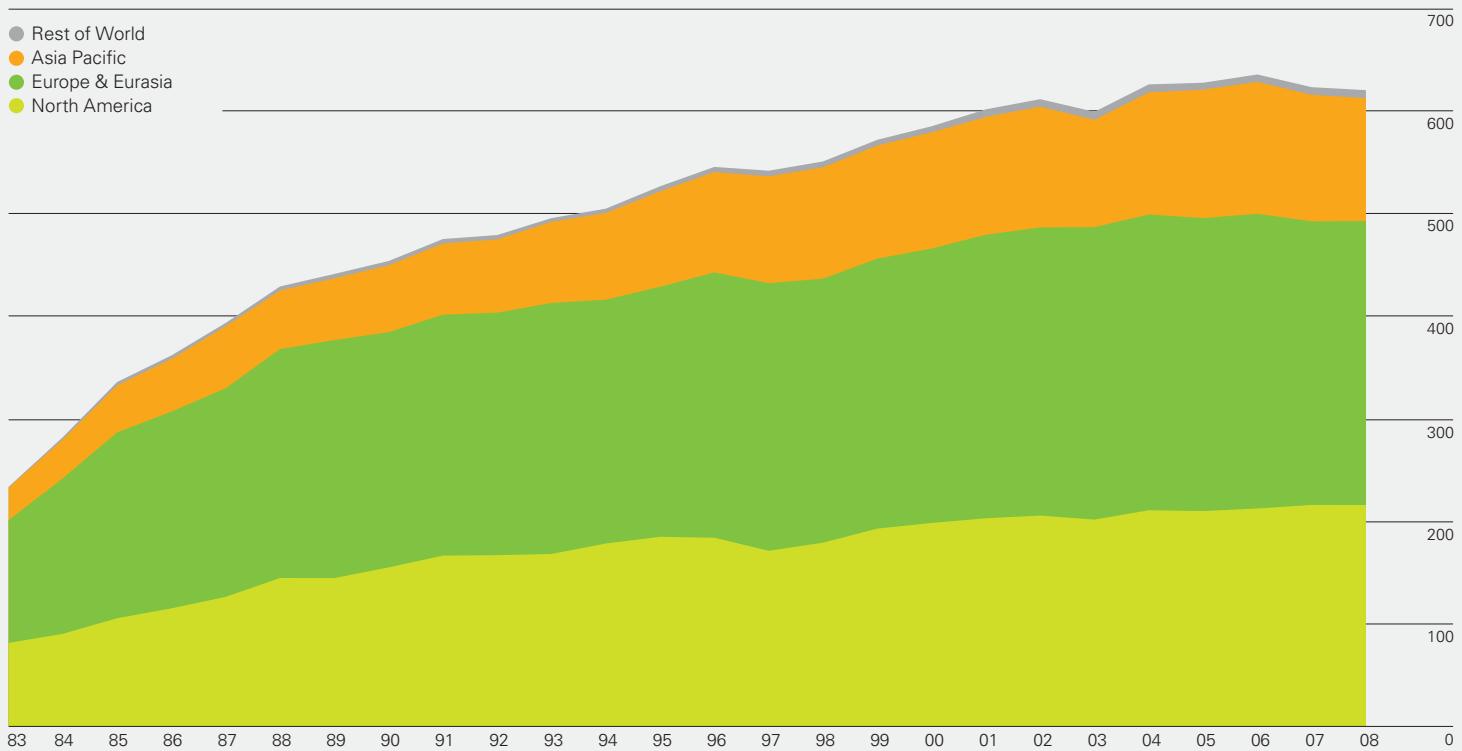
Notes: Growth rates are adjusted for leap years.

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

Consumption by region

Million tonnes oil equivalent

- Rest of World
- Asia Pacific
- Europe & Eurasia
- North America



Global nuclear power generation declined for a second consecutive year. Maintenance-related declines in Japan and the United Kingdom were only partly offset by growth in China and a recovery in utilization in Germany and South Korea.

Hydroelectricity

Consumption*

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
Million tonnes oil equivalent													
US	73.9	73.0	63.0	49.6	60.4	63.0	61.3	61.8	66.1	56.6	56.7	♦	7.9%
Canada	75.1	77.8	81.1	75.5	79.4	76.4	77.2	82.0	79.9	82.9	83.6	0.6%	11.7%
Mexico	5.6	7.4	7.5	6.4	5.6	4.5	5.6	6.2	6.8	6.1	8.6	41.5%	1.2%
Total North America	154.6	158.3	151.6	131.5	145.4	143.9	144.2	150.0	152.8	145.6	148.9	2.0%	20.8%
Argentina	6.0	4.9	6.5	8.4	8.1	7.7	6.9	7.9	9.8	8.5	8.4	-1.4%	1.2%
Brazil	66.0	66.3	68.9	60.6	64.7	69.2	72.6	76.4	78.9	84.6	82.3	-3.0%	11.5%
Chile	3.6	3.1	4.3	4.9	5.2	5.2	4.9	6.0	6.6	5.2	5.4	3.5%	0.8%
Colombia	6.9	7.6	6.9	7.1	7.6	8.1	9.0	9.0	9.7	9.5	9.8	3.8%	1.4%
Ecuador	1.5	1.6	1.7	1.6	1.7	1.6	1.7	1.6	1.6	2.0	2.6	24.6%	0.4%
Peru	3.1	3.3	3.7	4.0	4.1	4.2	4.0	4.1	4.4	4.4	4.5	0.8%	0.6%
Venezuela	13.1	13.7	14.2	13.7	13.5	13.7	15.9	17.6	18.5	18.8	19.6	4.1%	2.7%
Other S. & Cent. America	17.3	17.7	18.5	17.0	17.9	18.3	17.9	18.5	18.5	19.5	19.9	1.6%	2.8%
Total S. & Cent. America	117.5	118.2	124.8	117.3	122.9	127.9	132.8	140.9	148.0	152.6	152.5	-0.3%	21.3%
Austria	8.4	9.2	9.5	9.5	9.0	8.1	7.7	7.7	7.3	7.5	7.9	5.4%	1.1%
Azerbaijan	0.4	0.3	0.3	0.3	0.5	0.6	0.6	0.7	0.6	0.5	0.5	-1.8%	0.1%
Belarus	†	†	†	†	†	†	†	†	†	†	†	-0.3%	♦
Belgium & Luxembourg	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	20.9%	♦
Bulgaria	0.8	0.7	0.6	0.4	0.6	0.7	0.7	1.1	1.0	0.7	0.8	2.4%	0.1%
Czech Republic	0.4	0.5	0.5	0.6	0.6	0.4	0.6	0.7	0.7	0.6	0.5	-6.4%	0.1%
Denmark	†	†	†	†	†	†	†	†	†	†	†	-7.4%	♦
Finland	3.3	2.9	3.3	3.1	2.4	2.1	3.4	3.1	2.6	3.2	3.9	20.4%	0.5%
France	14.1	16.6	15.3	17.0	13.9	13.5	13.5	11.8	12.7	13.3	14.3	8.0%	2.0%
Germany	3.9	4.4	4.9	5.3	5.4	4.3	4.7	4.6	4.4	4.7	4.4	-5.6%	0.6%
Greece	0.9	1.1	0.9	0.6	0.8	1.2	1.2	1.3	1.5	0.8	0.8	3.3%	0.1%
Hungary	†	†	†	†	†	†	†	†	†	†	†	-0.7%	♦
Iceland	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.6	1.7	1.9	2.8	47.6%	0.4%
Republic of Ireland	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	45.2%	♦
Italy	9.3	10.3	10.0	10.6	8.9	8.3	9.6	8.2	8.4	7.3	8.8	21.5%	1.2%
Kazakhstan	1.4	1.4	1.7	1.8	2.0	2.0	1.8	1.8	1.8	1.8	1.7	-5.3%	0.2%
Lithuania	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.0%	♦
Netherlands	†	†	†	†	†	†	†	†	†	†	†	-4.9%	♦
Norway	26.3	27.6	32.2	27.4	29.4	24.0	24.7	30.9	27.1	30.6	31.8	3.6%	4.4%
Poland	1.0	1.0	0.9	1.0	0.9	0.7	0.8	0.9	0.7	0.7	0.6	-3.8%	0.1%
Portugal	3.0	1.7	2.7	3.3	1.9	3.6	2.3	1.2	2.7	2.3	1.6	-31.6%	0.2%
Romania	4.3	4.1	3.3	3.4	3.6	3.0	3.7	4.6	4.2	3.6	3.9	6.7%	0.5%
Russian Federation	35.9	36.4	37.4	39.8	37.2	35.6	40.8	39.6	39.6	40.4	37.8	-6.7%	5.3%
Slovakia	1.0	1.1	1.1	1.2	1.2	0.8	1.0	1.1	1.0	1.0	1.0	-5.6%	0.1%
Spain	8.4	6.4	7.7	9.3	5.2	9.3	7.2	4.0	5.8	6.0	3.8	-37.8%	0.5%
Sweden	16.7	16.2	17.8	17.9	15.0	12.1	12.7	16.5	14.0	15.0	14.8	-1.2%	2.1%
Switzerland	7.6	9.1	8.3	9.4	8.0	7.9	7.6	7.1	7.0	7.9	8.1	3.2%	1.1%
Turkey	9.6	7.8	7.0	5.4	7.6	8.0	10.4	9.0	10.0	8.0	7.5	-7.3%	1.0%
Turkmenistan	—	—	—	—	—	—	—	—	—	—	—	—	—
Ukraine	3.6	3.3	2.6	2.8	2.2	2.1	2.7	2.8	2.9	2.3	2.6	11.9%	0.4%
United Kingdom	1.2	1.2	1.2	0.9	1.1	0.7	1.1	1.1	1.0	1.2	1.1	-1.6%	0.2%
Uzbekistan	1.3	1.3	1.3	1.2	1.6	1.7	1.6	1.4	1.4	1.4	1.4	-3.9%	0.2%
Other Europe & Eurasia	15.6	16.8	15.9	15.4	15.1	16.0	17.2	17.4	16.6	16.3	17.0	3.8%	2.4%
Total Europe & Eurasia	180.1	183.2	188.6	189.4	176.3	168.9	179.7	180.2	177.2	179.6	180.2	0.1%	25.1%
Iran	1.7	1.2	0.9	0.9	1.8	2.2	2.7	3.0	4.2	4.1	1.7	-58.5%	0.2%
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Middle East	0.9	0.9	1.0	1.0	1.1	1.0	1.3	1.1	1.2	1.2	1.2	-0.4%	0.2%
Total Middle East	2.6	2.0	1.8	1.9	2.9	3.2	4.0	4.1	5.4	5.2	2.8	-45.6%	0.4%
Algeria	†	†	†	†	†	0.1	0.1	0.1	†	0.1	0.1	24.9%	♦
Egypt	3.1	3.4	3.2	3.3	3.2	2.9	2.9	2.9	2.9	3.5	3.9	10.9%	0.5%
South Africa	0.4	0.2	0.3	0.5	0.5	0.2	0.2	0.2	0.3	0.6	0.2	-69.3%	♦
Other Africa	12.2	13.7	13.4	14.1	15.2	15.5	16.7	17.2	17.7	18.0	18.1	0.2%	2.5%
Total Africa	15.7	17.3	17.0	17.8	18.9	18.7	19.8	20.4	20.9	22.1	22.2	0.2%	3.1%
Australia	3.6	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.6	3.3	3.4	3.1%	0.5%
Bangladesh	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	1.7%	♦
China	47.1	46.1	50.3	62.8	65.2	64.2	80.0	89.8	98.6	109.8	132.4	20.3%	18.5%
China Hong Kong SAR	—	—	—	—	—	—	—	—	—	—	—	—	—
India	18.9	18.6	17.4	16.3	15.5	15.7	19.0	22.0	25.4	27.7	26.2	-5.8%	3.6%
Indonesia	2.2	2.1	2.3	2.6	2.3	2.1	2.2	2.4	2.2	2.6	2.7	6.0%	0.4%
Japan	21.3	18.9	18.5	18.6	18.9	21.1	21.1	17.3	19.6	16.8	15.7	-6.9%	2.2%
Malaysia	1.1	1.7	1.7	1.5	1.2	1.3	1.3	1.2	1.6	1.5	1.5	1.2%	0.2%
New Zealand	5.7	5.2	5.5	4.9	4.1	4.6	5.8	5.5	6.9	6.8	5.0	-5.9%	0.7%
Pakistan	5.5	4.9	4.0	4.1	4.6	5.8	5.5	6.9	6.8	7.1	6.3	-11.5%	0.9%
Philippines	1.1	1.8	1.8	1.6	1.6	1.8	1.9	1.9	2.2	1.9	2.2	14.2%	0.3%
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—
South Korea	1.0	0.9	0.9	0.5	0.7	1.1	1.0	0.8	0.8	0.7	0.9	15.6%	0.1%
Taiwan	1.3	1.1	1.0	1.1	0.6	0.7	0.7	0.9	0.9	1.0	0.9	-2.8%	0.1%
Thailand	1.2	0.8	1.4	1.4	1.7	1.4	1.4	1.3	1.8	1.8	1.6	-15.5%	0.2%
Other Asia Pacific	7.0	7.8	8.2	9.1	8.9	9.5	9.3	8.9	10.2	10.8	11.6	7.6%	1.6%
Total Asia Pacific	117.1	113.6	116.7	128.4	130.7	134.2	153.2	162.6	179.5	190.7	210.8	10.2%	29.4%
Total World	587.6	592.7	600.5	586.3	597.2	596.8	633.7	658.2	683.8	695.8	717.5	2.8%	100.0%
of which: European Union	78.9	79.3	81.9	85.9	72.6	70.7	72.3	69.6	69.9	69.7	70.6	1.0%	9.8%
OECD	302.8	305.6	305.3	283.2	287.6	282.2	286.2	287.7	291.0	283.9	288.3	1.2%	40.2%
Former Soviet Union	51.1	51.5	52.1	54.2	52.0	51.2	56.9	55.9	55.6	56.3	54.0	-4.4%	7.5%
Other EMEs	233.7	235.6	243.1	248.9	257.6	263.4	290.6	314.6	337.1	355.5	375.3	5.3%	52.3%

*Based on gross primary hydroelectric 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.

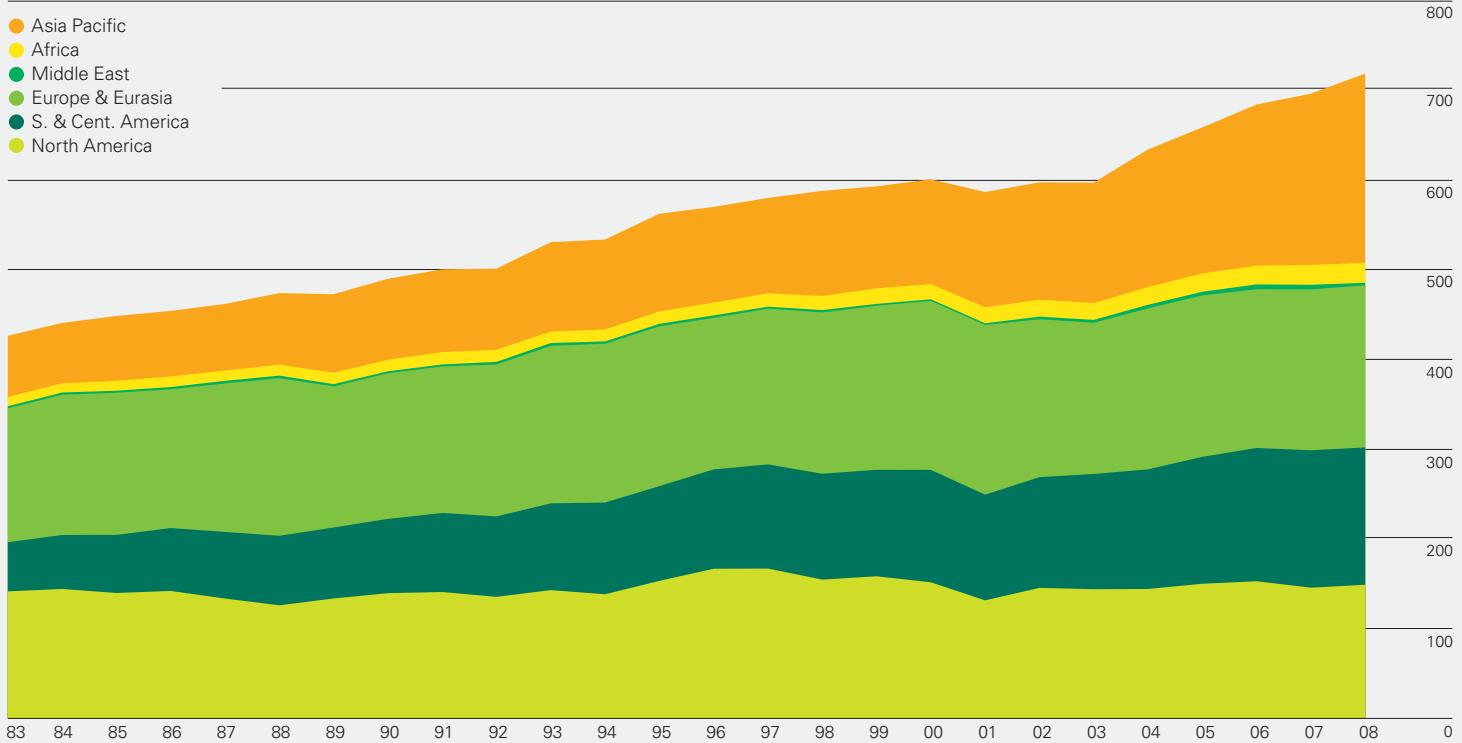
♦Less than 0.05%.

Notes: Growth rates are adjusted for leap years.

Hydroelectricity data expressed in terawatt-hours is available at www.bp.com/statisticalreview.

Consumption by region

Million tonnes oil equivalent



Global hydroelectric output increased by an above-average 2.8% in 2008. China accounted for all the world's net increase, with output rising by 20.3% on strong capacity growth and increased rainfall.

① Primary energy



Consumption*

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Change 2008 over 2007	2008 share of total
Million tonnes oil equivalent													
US	2219.2	2257.6	2309.5	2254.9	2289.2	2296.7	2341.9	2342.7	2323.1	2359.6	2299.0	-2.8%	20.4%
Canada	283.9	290.8	300.9	296.7	301.4	310.5	313.7	323.1	319.8	326.1	329.8	0.9%	2.9%
Mexico	131.9	131.7	137.4	136.8	138.1	144.7	147.9	153.4	160.3	163.7	170.4	3.8%	1.5%
Total North America	2635.0	2680.0	2747.8	2688.4	2728.7	2751.9	2803.6	2819.2	2803.2	2849.4	2799.1	-2.0%	24.8%
Argentina	58.1	57.5	58.9	57.7	54.3	58.7	61.9	66.4	70.0	73.2	74.7	1.7%	0.7%
Brazil	173.8	178.5	182.9	179.7	183.6	186.0	193.2	198.8	205.9	220.4	228.1	3.2%	2.0%
Chile	22.0	22.9	23.9	24.4	24.7	25.1	26.4	27.8	29.0	28.8	27.8	-3.8%	0.2%
Colombia	27.3	25.2	25.4	26.3	25.7	26.0	26.8	27.6	29.2	29.5	30.2	2.1%	0.3%
Ecuador	8.4	7.9	7.8	7.8	8.0	8.3	9.4	10.5	11.4	12.3	7.8	0.1%	
Peru	11.3	11.7	11.9	11.7	11.8	11.6	12.4	13.0	13.2	14.4	15.9	10.0%	0.1%
Venezuela	63.8	59.8	61.9	65.2	66.1	58.5	65.6	68.3	74.3	77.8	81.4	4.2%	0.7%
Other S. & Cent. America	83.1	85.2	86.8	89.5	91.7	96.2	100.3	106.3	108.0	109.3	109.3	0.9%	1.0%
Total S. & Cent. America	447.8	448.7	459.5	462.3	465.7	470.0	490.9	511.6	538.4	563.5	579.6	2.6%	5.1%
Austria	31.2	32.1	31.8	32.9	32.8	33.6	32.9	33.6	32.7	31.9	33.0	3.0%	0.3%
Azerbaijan	10.9	11.0	11.4	11.1	10.9	11.8	12.7	13.8	13.6	12.2	12.3	-0.2%	0.1%
Belarus	22.1	21.0	21.2	21.5	21.7	21.5	23.7	23.7	25.1	24.6	25.1	1.5%	0.2%
Belgium & Luxembourg	62.5	63.7	65.9	63.6	64.4	68.1	70.5	71.7	73.1	72.7	71.7	-1.6%	0.6%
Bulgaria	20.7	18.0	17.8	18.4	18.6	20.0	19.3	19.9	20.6	20.0	20.1	0.1%	0.2%
Czech Republic	39.9	38.5	40.0	41.5	41.5	43.6	44.7	44.6	44.2	43.8	43.3	-1.4%	0.4%
Denmark	20.6	19.8	18.8	18.6	18.4	19.6	18.3	17.4	19.5	18.1	17.2	-5.3%	0.2%
Finland	25.6	25.7	26.0	26.4	26.7	28.9	28.6	26.2	27.5	27.5	26.8	-3.0%	0.2%
France	246.3	250.5	253.9	257.4	255.5	258.7	262.2	261.8	259.5	254.8	257.9	0.9%	2.3%
Germany	333.6	327.7	329.5	335.2	329.1	330.9	329.1	323.6	327.8	309.3	311.1	0.3%	2.8%
Greece	28.7	30.2	31.9	31.9	32.8	32.5	34.1	33.8	34.6	34.6	34.6	-0.4%	0.3%
Hungary	23.8	23.7	23.0	24.1	23.4	24.1	24.0	25.5	25.2	24.8	24.7	-0.4%	0.2%
Iceland	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.7	3.0	3.0	3.9	26.2%	♦
Republic of Ireland	12.2	13.1	13.7	14.6	14.4	14.0	14.5	14.8	15.1	15.4	15.1	-1.8%	0.1%
Italy	167.1	172.2	174.9	175.6	174.2	179.8	182.8	183.0	181.9	178.5	176.6	-1.3%	1.6%
Kazakhstan	39.2	35.1	40.8	42.0	43.8	47.6	50.8	55.9	59.1	61.8	64.7	4.3%	0.6%
Lithuania	9.2	7.8	7.0	8.1	8.6	9.1	9.2	8.4	8.1	8.7	8.7	-0.8%	0.1%
Netherlands	85.3	83.8	86.2	89.1	89.5	90.2	92.9	94.5	92.5	89.3	91.4	2.1%	0.8%
Norway	40.4	41.5	45.9	41.0	42.9	38.3	39.0	45.1	41.5	45.1	46.0	1.7%	0.4%
Poland	94.1	91.1	88.4	88.6	87.1	88.5	90.9	90.7	94.4	95.1	97.4	2.2%	0.9%
Portugal	22.7	23.3	24.8	25.0	25.0	25.3	24.8	24.8	24.5	23.9	22.6	-5.5%	0.2%
Romania	41.3	36.9	37.0	37.3	38.6	37.8	39.0	39.8	40.6	37.5	37.8	0.4%	0.3%
Russian Federation	602.3	608.3	625.1	620.9	635.3	639.7	647.2	642.8	676.1	679.7	684.6	0.4%	6.1%
Slovakia	17.6	17.5	18.1	18.6	18.7	18.1	17.6	18.7	18.3	17.6	18.1	2.9%	0.2%
Spain	117.7	122.1	128.7	132.4	133.9	140.5	144.9	146.2	146.3	149.2	143.9	-3.8%	1.3%
Sweden	51.6	51.6	48.6	52.1	48.5	46.2	48.3	50.8	47.7	48.0	46.7	-2.8%	0.4%
Switzerland	28.9	29.8	29.1	31.1	29.1	28.9	28.5	27.5	28.6	28.2	29.4	3.7%	0.3%
Turkey	72.4	71.0	76.6	71.5	75.1	79.7	84.3	89.5	95.7	101.1	102.6	1.2%	0.9%
Turkmenistan	12.3	13.4	14.5	14.9	15.4	17.0	17.7	18.9	21.8	24.5	22.6	-8.1%	0.2%
Ukraine	131.8	134.6	134.7	134.0	132.2	132.2	139.3	138.1	136.7	134.7	131.5	-2.7%	1.2%
United Kingdom	222.0	220.6	222.9	225.4	220.3	223.8	225.2	225.2	222.4	214.7	211.6	-1.7%	1.9%
Uzbekistan	50.6	52.1	50.2	53.4	54.7	51.1	48.3	46.4	45.4	49.5	52.2	5.0%	0.5%
Other Europe & Eurasia	73.2	66.9	66.2	67.3	69.7	73.8	77.6	78.2	75.6	77.0	79.7	3.2%	0.7%
Total Europe & Eurasia	2759.9	2757.1	2806.9	2827.9	2835.3	2877.2	2925.9	2937.7	2978.7	2956.9	2964.6	♦	26.2%
Iran	106.8	113.5	121.1	127.7	141.4	148.9	155.3	175.9	184.1	188.4	192.1	1.7%	1.7%
Kuwait	17.7	18.1	19.0	20.0	19.9	22.1	24.4	26.2	24.8	24.5	26.8	8.9%	0.2%
Qatar	14.7	13.9	10.2	11.5	12.4	13.1	15.8	19.5	20.9	21.7	22.5	3.3%	0.2%
Saudi Arabia	103.5	105.0	112.9	117.7	121.6	129.6	138.6	147.1	153.6	163.1	174.5	6.7%	1.5%
United Arab Emirates	41.7	42.0	41.1	48.7	48.6	50.4	53.5	56.1	58.5	65.0	75.2	15.3%	0.7%
Other Middle East	89.4	91.6	95.3	98.8	100.3	99.3	105.0	108.4	113.2	114.9	122.5	6.3%	1.1%
Total Middle East	373.9	384.2	399.5	424.4	444.2	463.4	492.6	533.2	555.1	577.6	613.5	5.9%	5.4%
Algeria	27.5	27.9	26.9	27.9	28.9	30.2	31.3	32.7	33.7	35.6	37.6	5.6%	0.3%
Egypt	43.5	46.6	49.0	52.1	53.0	56.5	59.1	62.1	65.4	69.6	74.3	6.5%	0.7%
South Africa	108.2	107.3	107.9	106.7	110.5	116.7	122.9	119.7	121.7	127.1	132.3	3.8%	1.2%
Other Africa	87.6	92.0	92.4	94.9	96.7	98.8	104.9	109.0	106.7	108.7	111.8	2.5%	1.0%
Total Africa	266.9	273.7	276.1	281.5	289.1	302.3	318.2	323.5	327.5	341.0	356.0	4.1%	3.2%
Australia	104.2	106.0	106.2	109.4	113.0	112.6	116.0	118.0	123.5	123.2	118.3	-4.2%	1.0%
Bangladesh	11.0	11.0	12.7	14.1	14.8	15.7	16.6	18.3	18.9	19.8	20.9	4.9%	0.2%
China	917.4	934.7	967.3	1000.6	1058.3	1229.3	1429.0	1572.2	1722.6	1862.8	2002.5	7.2%	17.7%
China Hong Kong SAR	16.0	16.2	16.1	19.4	20.8	21.2	24.4	22.9	24.5	25.5	23.8	-7.0%	0.2%
India	272.1	280.1	295.1	296.5	307.8	316.2	343.9	362.2	378.8	409.2	433.3	5.6%	3.8%
Indonesia	81.5	89.3	93.5	98.8	104.0	105.6	110.3	118.5	113.8	117.9	124.4	5.2%	1.1%
Japan	496.9	502.0	510.2	508.7	505.7	506.2	517.0	519.7	520.4	515.8	507.5	-1.9%	4.5%
Malaysia	37.2	38.1	45.5	47.5	50.9	51.6	51.5	55.3	56.1	56.4	56.0	-1.0%	0.5%
New Zealand	16.9	17.2	17.8	17.8	18.4	18.0	18.5	17.8	18.1	17.8	17.9	-0.1%	0.2%
Pakistan	41.2	43.4	44.3	45.5	47.4	52.4	56.8	58.9	61.8	64.8	66.5	2.2%	0.6%
Philippines	22.9	22.7	22.6	22.7	23.4	24.4	25.0	25.4	23.6	24.9	25.0	♦	0.2%
Singapore	34.7	32.9	35.0	40.6	40.0	38.8	44.0	46.7	51.8	55.1	58.2	5.3%	0.5%
South Korea	165.1	180.0	190.7	195.5	204.6	211.4	217.0	224.6	226.8	235.7	240.1	1.6%	2.1%
Taiwan	77.9	87.4	93.6	93.8	97.2	103.0	106.7	108.6	111.2	115.1	112.0	-2.9%	1.0%
Thailand	57.2	59.4	60.6	63.2	68.2	72.1	77.7	82.2	83.4	86.0	87.3	1.3%	0.8%
Other Asia Pacific	52.9	57.3	61.4	64.6	65.3	67.2	73.4	78.6	82.6	86.1	88.4	2.4%	0.8%
Total Asia Pacific	2405.0	2477.7	2572.8	2638.7	2739.8	2945.8	3227.6	3430.0	3617.9	3816.0	3981.9	4.1%	35.3%
Total World	8888.5	9021.5	9262.6	9323.1	9502.8	9810.5	10258.8						



Consumption by fuel*

Million tonnes oil equivalent	2007						2008					
	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Total	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Total
US	942.3	595.4	573.2	192.1	56.6	2359.6	884.5	600.7	565.0	192.0	56.7	2299.0
Canada	102.8	87.0	32.3	21.0	82.9	326.1	102.0	90.0	33.0	21.1	83.6	329.8
Mexico	89.4	56.8	9.1	2.4	6.1	163.7	90.0	60.5	9.0	2.3	8.6	170.4
Total North America	1134.5	739.3	614.6	215.4	145.6	2849.4	1076.6	751.2	606.9	215.4	148.9	2799.1
Argentina	23.2	39.5	0.4	1.6	8.5	73.2	24.2	40.0	0.4	1.6	8.4	74.7
Brazil	99.8	19.8	13.4	2.8	84.6	220.4	105.3	22.7	14.6	3.1	82.3	228.1
Chile	16.1	4.1	3.3	—	5.2	28.8	16.8	2.3	3.2	—	5.4	27.8
Colombia	10.7	6.7	2.7	—	9.5	29.5	10.7	7.3	2.3	—	9.8	30.2
Ecuador	8.9	0.5	—	—	2.0	11.4	9.3	0.5	—	—	2.6	12.3
Peru	7.1	2.4	0.5	—	4.4	14.4	7.9	3.1	0.5	—	4.5	15.9
Venezuela	30.0	29.0	0.1	—	18.8	77.8	32.5	29.1	†	—	19.6	81.4
Other S. & Cent. America	64.2	22.1	2.2	—	19.5	108.0	63.6	23.6	2.2	—	19.9	109.3
Total S. & Cent. America	260.0	124.1	22.5	4.4	152.6	563.5	270.3	128.7	23.3	4.8	152.5	579.6
Austria	13.4	8.0	3.1	—	7.5	31.9	13.4	8.5	3.1	—	7.9	33.0
Azerbaijan	4.5	7.2	†	—	0.5	12.2	3.3	8.4	†	—	0.5	12.3
Belarus	7.6	16.9	0.1	—	†	24.6	7.7	17.3	†	—	†	25.1
Belgium & Luxembourg	41.0	15.2	5.5	10.9	0.1	72.7	41.3	15.3	4.6	10.4	0.1	71.7
Bulgaria	5.3	2.9	7.8	3.3	0.7	20.0	5.4	2.9	7.5	3.6	0.8	20.1
Czech Republic	9.7	7.6	20.0	5.9	0.6	43.8	9.9	7.8	19.1	6.0	0.5	43.3
Denmark	9.3	4.1	4.7	—	†	18.1	8.9	4.1	4.1	—	†	17.2
Finland	10.6	3.5	4.6	5.6	3.2	27.5	10.5	3.6	3.4	5.4	3.9	26.8
France	91.3	38.3	12.3	99.7	13.3	254.8	92.2	39.8	11.9	99.6	14.3	257.9
Germany	112.5	74.6	85.7	31.8	4.7	309.3	118.3	73.8	80.9	33.7	4.4	311.1
Greece	21.7	3.6	8.5	—	0.8	34.6	21.4	3.8	8.6	—	0.8	34.6
Hungary	7.7	10.8	2.9	3.3	†	24.8	7.7	10.8	2.8	3.4	†	24.7
Iceland	1.0	—	0.1	—	1.9	3.0	0.9	—	0.1	—	2.8	3.9
Republic of Ireland	9.4	4.3	1.5	—	0.2	15.4	9.0	4.5	1.4	—	0.2	15.1
Italy	84.0	70.0	17.2	—	7.3	178.5	80.9	69.9	17.0	—	8.8	176.6
Kazakhstan	11.6	17.6	30.8	—	1.8	61.8	10.9	18.5	33.6	—	1.7	64.7
Lithuania	2.8	3.3	0.2	2.2	0.2	8.7	3.1	2.9	0.2	2.2	0.2	8.7
Netherlands	46.0	33.3	9.0	1.0	†	89.3	46.5	34.7	9.2	0.9	†	91.4
Norway	10.2	3.8	0.4	—	30.6	45.1	9.8	4.0	0.5	—	31.8	46.0
Poland	24.2	12.3	57.9	—	0.7	95.1	24.9	12.5	59.4	—	0.6	97.4
Portugal	14.4	3.8	3.3	—	2.3	23.9	13.7	4.1	3.2	—	1.6	22.6
Romania	10.3	14.5	7.4	1.7	3.6	37.5	10.6	13.1	7.7	2.5	3.9	37.8
Russian Federation	126.2	383.1	93.5	36.5	40.4	679.7	130.4	378.2	101.3	36.9	37.8	684.6
Slovakia	4.1	5.1	3.8	3.5	1.0	17.6	4.3	5.2	3.9	3.8	1.0	18.1
Spain	78.8	31.6	20.2	12.5	6.0	149.2	77.1	35.1	14.6	13.3	3.8	143.9
Sweden	14.7	0.9	2.2	15.2	15.0	48.0	14.5	0.9	2.0	14.5	14.8	46.7
Switzerland	11.3	2.6	0.1	6.3	7.9	28.2	12.1	2.8	0.1	6.2	8.1	29.4
Turkey	30.5	31.6	31.0	—	8.0	101.1	32.3	32.4	30.4	—	7.5	102.6
Turkmenistan	5.4	19.1	—	—	—	24.5	5.5	17.1	—	—	—	22.6
Ukraine	15.3	56.4	39.7	20.9	2.3	134.7	15.5	53.8	39.3	20.3	2.6	131.5
United Kingdom	79.2	81.8	38.2	14.3	1.2	214.7	78.7	84.5	35.4	11.9	1.1	211.6
Uzbekistan	5.4	41.3	1.4	—	1.4	49.5	5.5	43.8	1.4	—	1.4	52.2
Other Europe & Eurasia	27.9	15.1	15.7	1.9	16.3	77.0	29.2	15.4	16.1	2.0	17.0	79.7
Total Europe & Eurasia	947.6	1024.5	528.9	276.4	179.6	2956.9	955.5	1029.6	522.7	276.7	180.2	2964.6
Iran	81.3	101.7	1.3	—	4.1	188.4	83.3	105.8	1.3	—	1.7	192.1
Kuwait	13.6	10.9	—	—	—	24.5	15.3	11.5	—	—	—	26.8
Qatar	4.0	17.7	—	—	—	21.7	4.6	17.9	—	—	—	22.5
Saudi Arabia	96.1	67.0	—	—	—	163.1	104.2	70.3	—	—	—	174.5
United Arab Emirates	20.7	44.4	—	—	—	65.0	22.9	52.3	—	—	—	75.2
Other Middle East	74.4	31.3	8.1	—	1.2	114.9	76.6	36.6	8.1	—	1.2	122.5
Total Middle East	290.1	273.0	9.3	—	5.2	577.6	306.9	294.4	9.4	—	2.8	613.5
Algeria	12.9	21.9	0.7	—	0.1	35.6	14.0	22.8	0.7	—	0.1	37.6
Egypt	30.6	34.5	1.0	—	3.5	69.6	32.6	36.8	1.0	—	3.9	74.3
South Africa	25.8	—	97.7	3.0	0.6	127.1	26.3	—	102.8	3.0	0.2	132.3
Other Africa	60.7	23.9	6.2	—	18.0	108.7	62.3	25.8	5.7	—	18.1	111.8
Total Africa	129.9	80.3	105.7	3.0	22.1	341.0	135.2	85.4	110.3	3.0	22.2	356.0
Australia	41.7	22.4	55.8	—	3.3	123.2	42.5	21.2	51.3	—	3.4	118.3
Bangladesh	4.5	14.6	0.4	—	0.3	19.8	4.6	15.6	0.4	—	0.3	20.9
China	362.8	62.6	1313.6	14.1	109.8	1862.8	375.7	72.6	1406.3	15.5	132.4	2002.5
China Hong Kong SAR	16.0	2.0	7.5	—	—	25.5	14.5	2.3	7.0	—	—	23.8
India	128.5	36.0	212.9	4.0	27.7	409.2	135.0	37.2	231.4	3.5	26.2	433.3
Indonesia	56.4	30.6	28.4	—	2.6	117.9	57.4	34.2	30.2	—	2.7	124.4
Japan	229.3	81.2	125.3	63.1	16.8	515.8	221.8	84.4	128.7	57.0	15.7	507.5
Malaysia	22.0	25.7	7.1	—	1.5	56.4	21.8	27.6	5.0	—	1.5	56.0
New Zealand	7.2	3.7	1.6	—	5.3	17.8	7.3	3.4	2.1	—	5.0	17.9
Pakistan	19.2	32.8	5.1	0.6	7.1	64.8	19.3	33.8	6.7	0.4	6.3	66.5
Philippines	14.0	3.1	5.9	—	1.9	24.9	13.4	3.1	6.2	—	2.2	25.0
Singapore	47.4	7.7	—	—	—	55.1	49.9	8.3	—	—	—	58.2
South Korea	108.3	34.7	59.7	32.3	0.7	235.7	103.3	35.7	66.1	34.2	0.9	240.1
Taiwan	52.5	10.6	41.8	9.2	1.0	115.1	50.1	11.5	40.2	9.2	0.9	112.0
Thailand	38.2	31.8	14.1	—	1.8	86.0	36.7	33.7	15.4	—	1.6	87.3
Other Asia Pacific	29.4	11.7	34.2	—	10.8	86.1	30.0	12.2	34.6	—	11.6	88.4
Total Asia Pacific	1177.4	411.2	1913.5	123.3	190.7	3816.0	1183.4	436.8	2031.2	119.8	210.8	3981.9
Total World	3939.4	2652.2	3194.5	622.5	695.8	11104.4	3927.9	2726.1	3303.7	619.7	717.5	11294.9
of which: European Union	700.2	432.8	317.4	212.1	69.7	1732.2	702.6	441.1	301.2	212.7	70.6	1728.2
OECD	2246.1	1328.1	1189.4	520.7	283.9	5568.3	2179.8	1354.1	1170.6	515.7	288.3	5508.4
Former Soviet Union	186.2	553.6	166.5	60.3	56.3	1022.8	189.5	548.6	176.9	60.0	54.0	1028.9
Other EMEs	1507.1	770.5	1838.6	41.6	355.5	4513.3	1558.6	823.4	1956.3	44.0	375.3	4757.5

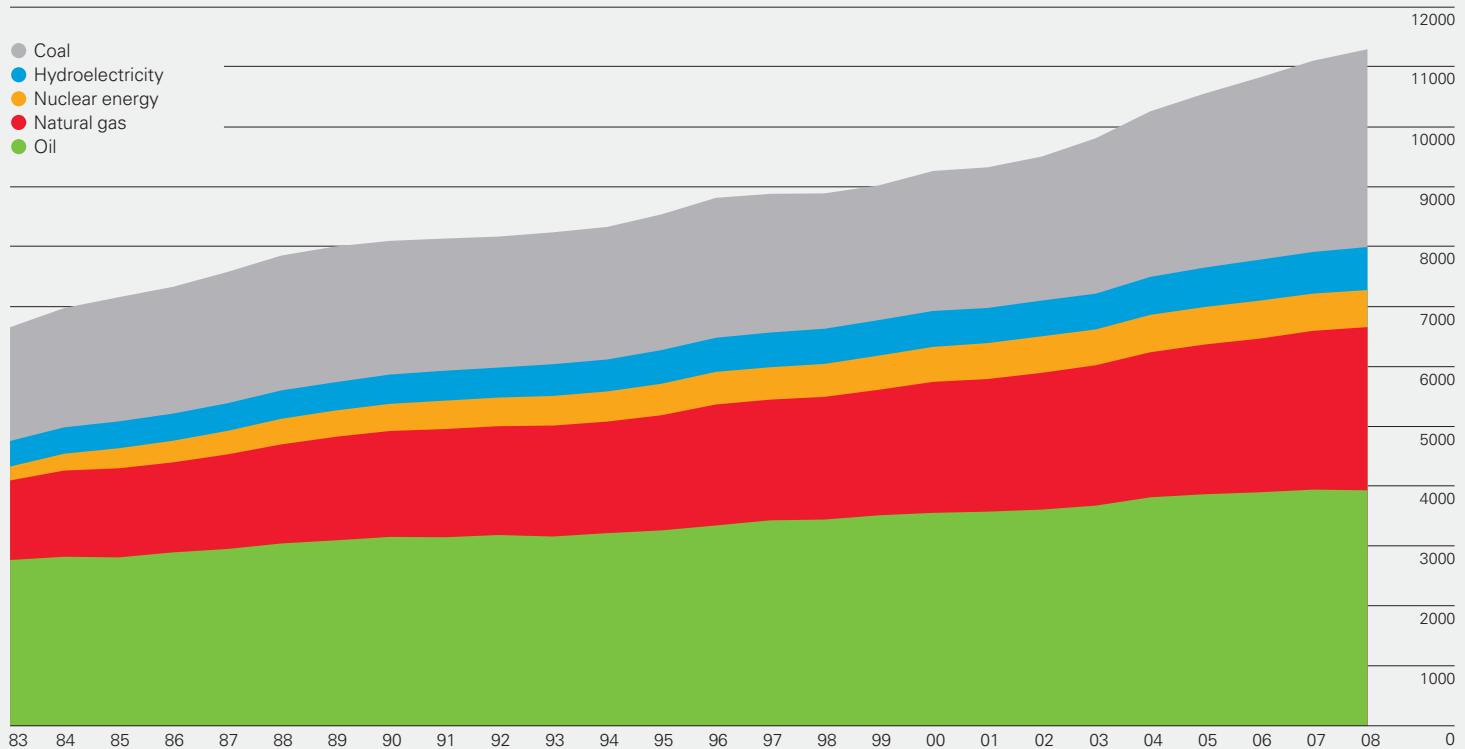
*In this Review, primary energy comprises commercially traded fuels only. Excluded, therefore, are fuels such as wood, peat and animal waste that, though important in many countries, are unreliable documented in terms of consumption statistics. Also excluded are wind, geothermal and solar power generation.

†Less than 0.05.

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

World consumption

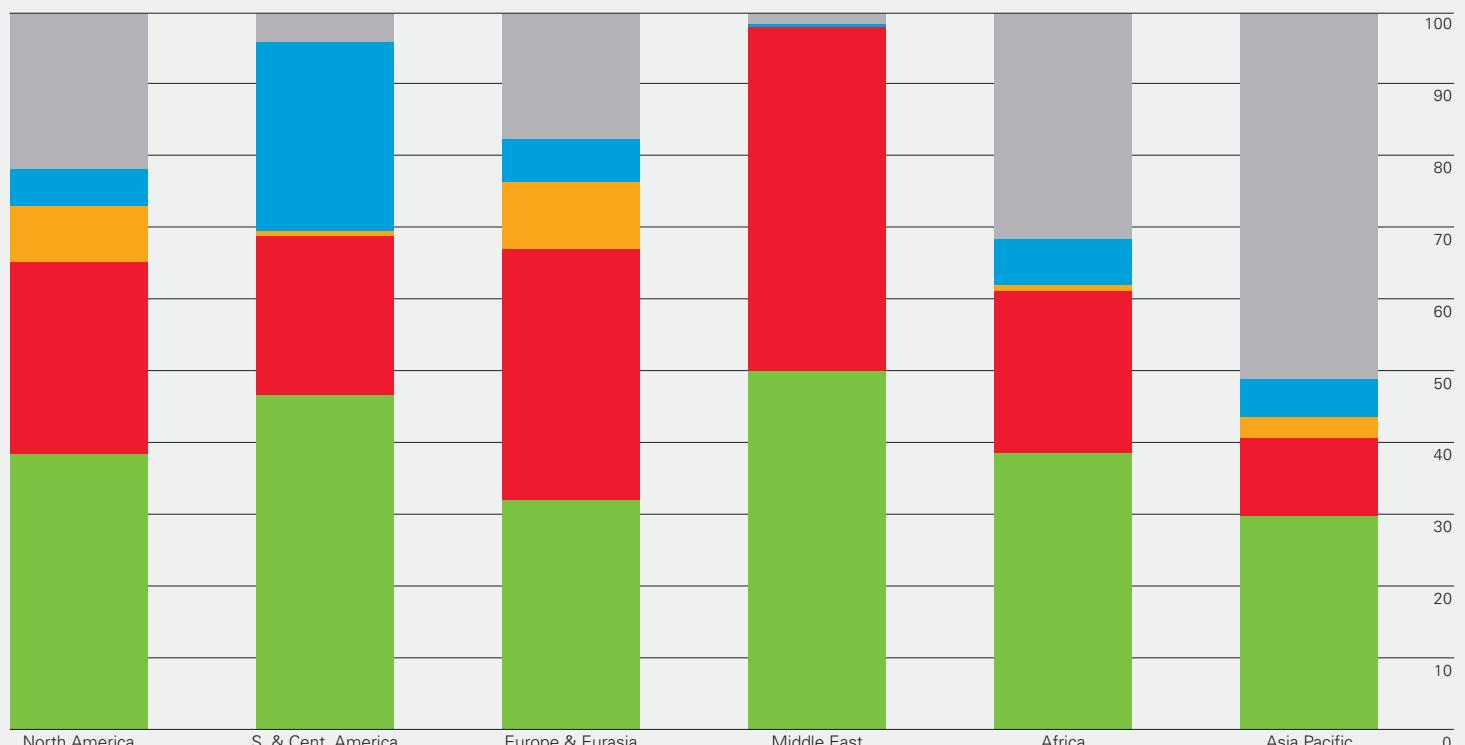
Million tonnes oil equivalent



World primary energy consumption grew by 1.4% in 2008, below the 10-year average. It was the weakest year since 2001. Oil remains the world's dominant fuel, though it has steadily lost market share to coal and natural gas in recent years. Oil's share of the world total has fallen from 38.7% to 34.8% over the past decade. Oil consumption and nuclear power generation declined last year, while natural gas and coal consumption, as well as hydroelectric generation, increased.

Regional consumption pattern 2008

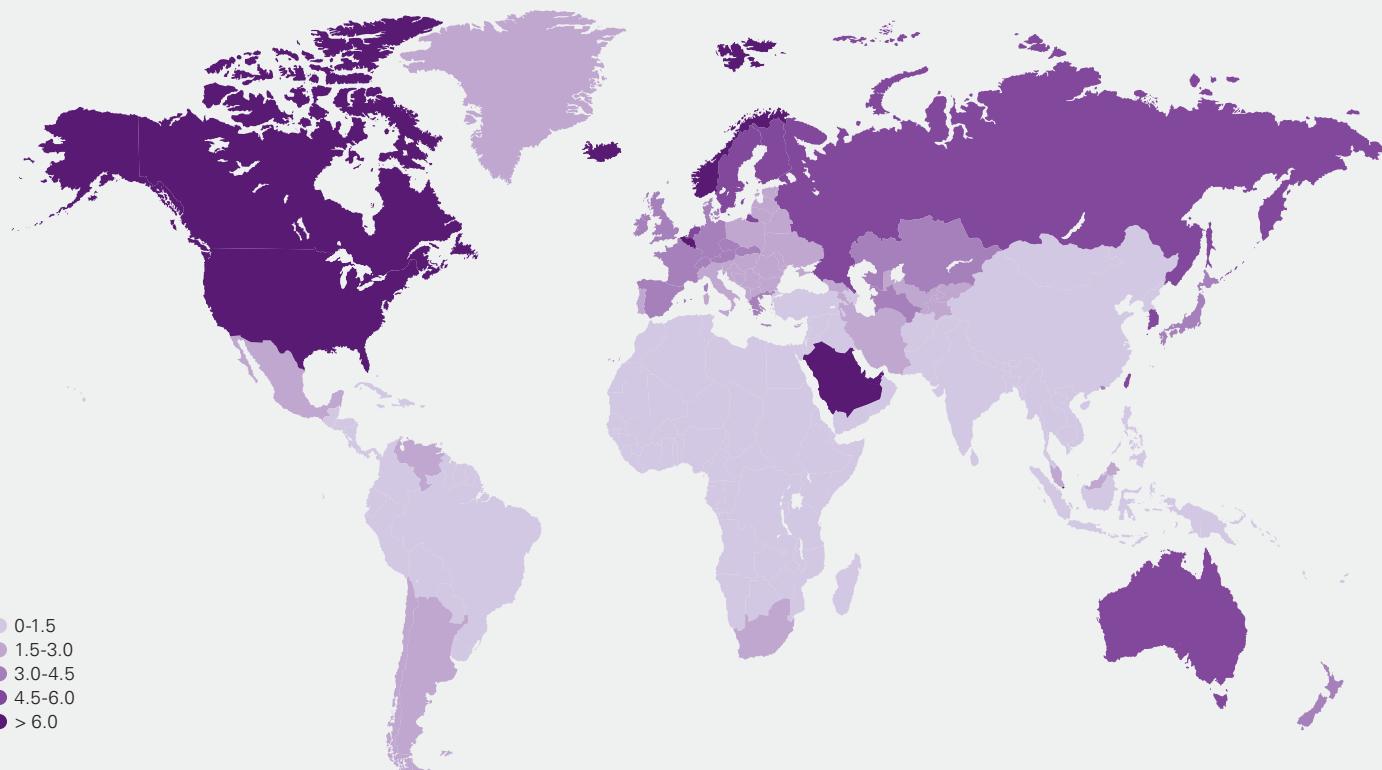
Percentage



Oil remains the world's dominant fuel, holding the leading share of consumption in all regions except Europe and Eurasia, and Asia Pacific. Coal is the dominant fuel in Asia Pacific and continues to increase its market share; the region accounts for 61.5% of global coal consumption, the largest global share for any fuel in any region. Natural gas remains the leading fuel in Europe and Eurasia.

Consumption per capita 2008

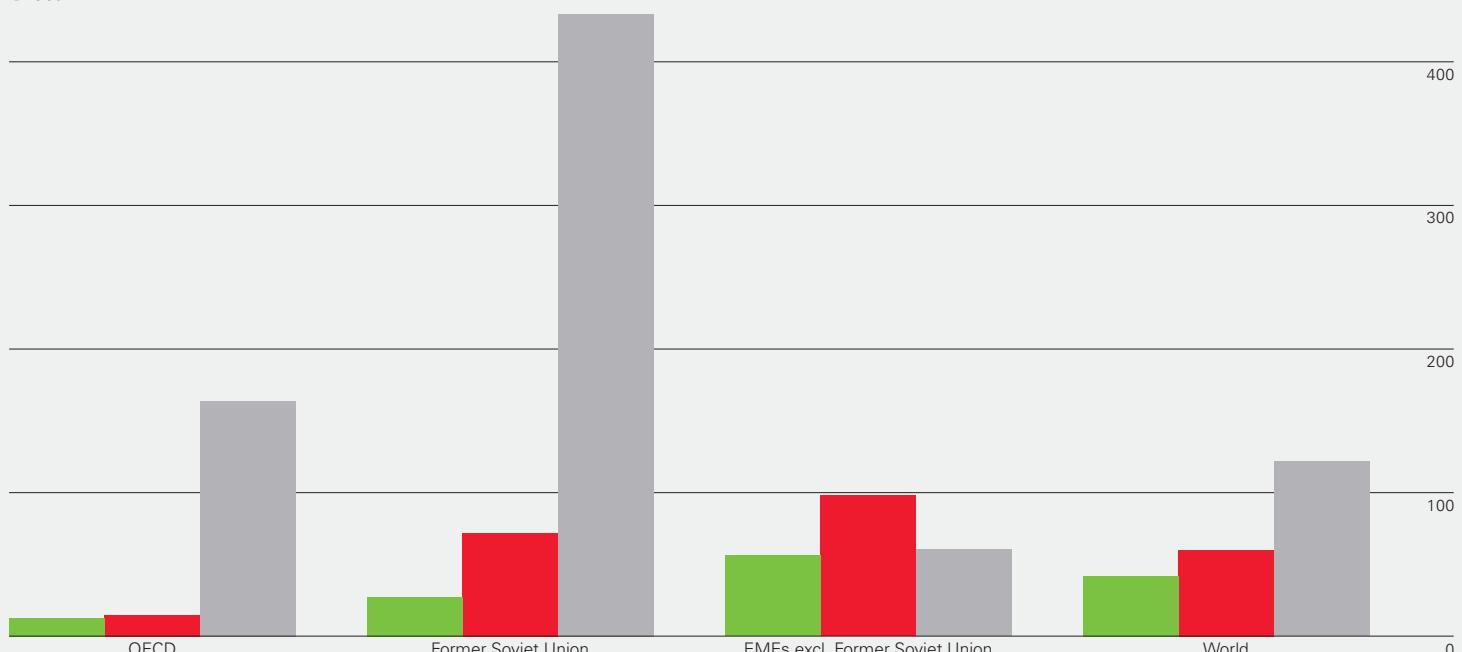
Tonnes oil equivalent



Fossil fuel reserves-to-production (R/P) ratios at end 2008

Years

- Oil
- Natural gas
- Coal



Coal remains the world's most abundant fuel, with a global R/P ratio of more than 120 years. Among fossil fuels, coal reserves remain the most closely co-located with key consuming centres in Asia Pacific and North America. Oil's global R/P ratio has tended to rise over time, and has remained above 40 years since 1998.

Appendices

Approximate conversion factors

Crude oil*

From	To				
	tonnes (metric)	kilolitres	barrels	US gallons	tonnes per year
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
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
Fuel oil	0.149	6.7	0.939	1.065

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
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 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 and 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, Slovenia.

Former Soviet Union

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

Europe and 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, 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, Finland, France, Germany, Greece, Hungary, Iceland, Republic of Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Turkey, UK.

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

OPEC members

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

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.

North Africa

Algeria, Libya.

West Africa

Angola, Nigeria.

Asia Pacific

Indonesia.

South America

Ecuador, Venezuela.

European Union members

Austria, Belgium, Bulgaria, 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.

Other EMEs (Emerging Market Economies)

South and Central America, Africa, Middle East, non-OECD Asia, non-OECD Europe.

Methodology

The primary energy values of both nuclear and hydroelectric power generation 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).

Percentages

Calculated before rounding of actuals. All annual changes and shares of totals are on a weight basis except on pages 6, 14, 18, 20 and 22.

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 June 2009*.

Ordering copies

You can order BP's printed publications, free of charge, from:

US and Canada

BP Shareholder Services
Toll-free +1 800 638 5672
Fax +1 630 821 3456
shareholderus@bp.com

UK and Rest of World

BP Distribution Services
Tel +44 (0)870 241 3269
Fax +44 (0)870 240 5753
bpdistributionservices@bp.com

Quoting from the Review

Publishers are welcome to quote from this Review provided that they attribute the source to *BP Statistical Review of World Energy June 2009*. However, where extensive reproduction of tables and/or charts is planned, permission must first be obtained from:

The Editor

BP Statistical Review of World Energy
BP p.l.c.
1 St James's Square
London SW1Y 4PD
UK
sr@bp.com

The redistribution or reproduction of data whose source is Platts is strictly prohibited without prior authorization from Platts.



The data in this publication is also available at www.bp.com/statisticalreview. In addition to viewing, data can be downloaded and charted using the charting tool.

Acknowledgements

Data compilation Energy Academy and Centre for Economic Reform and Transformation, Heriot-Watt University, www.energy.hw.ac.uk

Design sasdesign.co.uk

Typesetting Orb Solutions, London

Printing Beacon Press using its *pureprint*® environmental print technology. The electricity was generated from renewable sources and approximately 90% of the waste associated with this product will be recycled. Beacon Press is registered to environmental management system ISO 14001 and EMAS (Eco Management Audit Scheme). Beacon Press is a CarbonNeutral® company and has planted more than 3,000 trees to offset its carbon emissions.

Paper

This Review is printed on FSC-certified Revive Uncoated Enhanced paper. This paper has been independently certified according to the rules of the Forest Stewardship Council (FSC) and it was manufactured at a mill that holds ISO 14001 accreditation. The inks used are all vegetable oil based.



© BP p.l.c. 2009

