

bp statistical review of world energy june 2001



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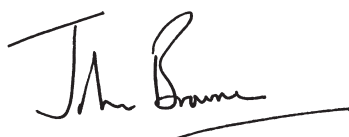
I am delighted to introduce this, the 50th edition of the BP Statistical Review of World Energy. For 50 years the Review has charted the evolution of world primary energy markets through the trends in energy demand and supply, trade and prices. It has reflected the gradual replacement of coal by oil and natural gas, the growing complexity of markets and the recent emergence of alternative, renewable sources of energy.

Throughout its life, the Review has aimed to provide a source of high-quality, consistent and objective data for analysts, policy makers and all those involved in the industry. Such information is more than ever necessary. The recent volatility in energy markets has brought energy issues once again to the fore for consumers, producers and policy makers, as they strive to reconcile the world's need for low-cost, easily accessible energy with other social ambitions – security, sustainable development and environmental protection.

These issues can be addressed only if there is widespread awareness and understanding of the events and drivers that shape energy markets, and we are proud to be able to make a contribution with this publication.

This year, we are publishing a companion volume to the World Review. The BP Statistical Review of US Energy aims to provide a more detailed picture of trends and developments in the United States, the world's largest energy market, and place these within the global context.*

I would like to thank all those who have helped produce the Review, and hope that readers find it both useful and interesting.



Sir John Browne
Group Chief Executive
June 2001

*Copies of both publications are available from the addresses on the outside back cover.

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2000 in review



Rhourde El Baguel oil field, Algeria

An enhanced oil recovery project is increasing BP's production from this field in the Sahara Desert. In 2000 total Algerian oil production rose to 67 million tonnes, a 4.8% increase on 1999.



BP service station, London, UK

In 2000, BP began the rebranding of its service stations worldwide. The first to open in the UK was in west London. Within the EU, gasoline accounts for a quarter of total consumption of refined products.

World consumption of primary energy rebounded in 2000, rising by 2.1%, driven by continued strong growth in the world economy and a return to colder winter weather patterns. There were again strong contrasts in the performance of different fuels. Natural gas and coal grew by significantly more than their 1990-2000 annual averages and oil and nuclear energy grew effectively in line with their 10-year average, while hydroelectricity grew by less.

Energy developments The strength of total energy consumption was most marked in the OECD area, and in particular North America, which experienced the coldest November/December for more than 100 years. Total energy consumption in the USA and Canada, together representing more than 28% of world demand, increased by 2.6%, significantly faster than their 1990-2000 average of 1.6%. Consumption in the EU was also slightly faster than its 10-year average, at 1.1%, while Japan saw its fifth year of below-trend growth.

Growth in Asia, South & Central America and the Middle East was below 10-year averages, but Africa was almost in line. The Former Soviet Union (FSU) saw the second consecutive year of growth in consumption, although its share of total world consumption continued to fall.

Other notable features of 2000 included:

- In China, total energy consumption fell for the fourth consecutive year, despite continued economic growth, as a rapid rise in the consumption of both oil and gas was outweighed by the continued decline in coal consumption.
- In the Asian emerging economies (excluding China), consumption continued to recover from the recession-induced fall of 1998, growing by 5.1%.
- The bounce in consumption in the EU masked marked differences in national performance. Growth exceeded 2% in Portugal, Spain, Ireland, the Netherlands, Greece and France, but in Germany, Denmark and Sweden consumption fell.
- Four countries – Bangladesh, Portugal, Kazakhstan and Turkmenistan – recorded double-digit growth in consumption, and 15 others experienced growth of more than 5%.

Oil The annual average price for Brent rose from \$18.25 in 1999 to \$28.98 a barrel, the highest since 1983. OPEC producers adjusted their supply with the aim of meeting a price target of \$22-28 a barrel for the OPEC basket and, relative to 1999, increased production by 5.6%. After declining in 1999, non-OPEC supply increased by 2.1%, as investment and production began to respond to higher prices.

The most rapid increases in production were in the Middle East. Output rose in Saudi Arabia by 7.5%, in Iran by 6.5% and in Kuwait by 6.4%, while other Gulf producers (excluding Iraq) raised output by an average of 8.1%. The Middle East share of global output rose to 31%.

Among major non-OPEC producers, sharp increases were seen in Russia, Australia, Norway and Brazil, while the UK and Colombia recorded declines.

World oil consumption rose by 1% in 2000, effectively in line with its 1990-2000 average. This total, however, disguised marked regional variations. Almost every region grew by less than its 10-year average, but this was offset by changes in the FSU, where oil consumption continued to fall, but by significantly less than the average for 1990-2000.

Natural gas Natural gas was the fastest-growing fuel in 2000, with global consumption rising by 4.8%, the highest rate since 1996. This was driven by growth in consumption of 5.1% in the USA and Canada, which together represent more than 30% of world demand. Chinese consumption increased by 16%, although China still represents only 1% of world consumption. In the FSU, growth of 2.9% was the highest for a decade.

Gas production rose by 4.3% worldwide, more than double the average of the last decade. The data is dominated by developments in the USA and Canada, where production rose by 3.7%, the fastest since 1994. Growth exceeded 50% in Turkmenistan, Nigeria and Oman, and 10% for 11 other countries. Russia, the second largest producer, saw output decline by 1.1%.

International trade in gas continued to grow. Pipeline exports rose by 8% and LNG trade by 10.3% in 2000.

Other fuels World coal consumption grew by 1.2%, the first increase since 1996. In the USA, the world's largest consumer, demand rose by 3.3%, while China, the second largest, saw a further sharp decline, of 6.4%. Europe had the first annual increase in more than a decade.

Consumption of nuclear power rose in all regions, and by 2.7% globally. Brazil, Slovakia, Bulgaria, India and China all saw double-digit growth, and the sharp rise in Russia, of 8.8%, took consumption to its highest since 1989.

Hydroelectric generation increased by 1.7%, reflecting rapid growth in Africa, South America and Asia, offset by a weather-induced 14.1% fall in the USA.

Acknowledgements We express our gratitude to the numerous contacts worldwide who provide the basic data for this publication.



Tarraleah power station, Tasmania, Australia

Tarraleah is one of a number of hydroelectric power stations in Tasmania. Consumption of hydro-generated electricity continued to grow in 2000, with steady increases in the rest of the world more than offsetting a decline in North America.



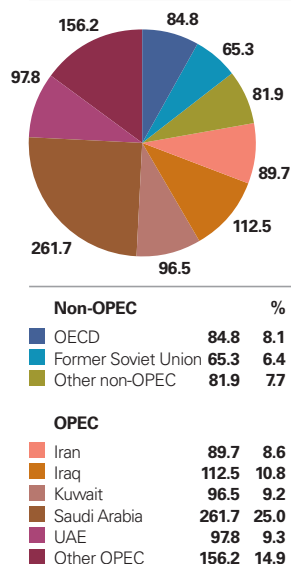
Nuclear power station, Brokdorf, Germany

The plant, which opened in 1986, is a major supplier of power for electricity production in north Germany. Global consumption of nuclear power in 2000 rose by 2.7%, effectively in line with the average increase over the past decade.

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Distribution of
reserves 2000

Thousand million barrels



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/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 level.

Source of data

With the exception of Azerbaijan and Kazakhstan, the estimates contained in this table are those published by the Oil and Gas Journal, plus an estimate of natural gas liquids for USA and Canada. Reserves of shale oil and oil sands are not included.

Proved reserves

	At end 1980 Thousand million barrels	At end 1990 Thousand million barrels	At end 1999 Thousand million barrels	Thousand million barrels	At end 2000 Thousand million tonnes	Share of total	R/P ratio
USA	36.5	33.8	28.9	29.7	3.7	2.8%	10.4
Canada	7.7	8.1	6.6	6.4	0.8	0.6%	8.5
Mexico	44.0	52.0	28.4	28.3	4.0	2.7%	23.5
Total North America	88.2	93.9	63.9	64.4	8.5	6.1%	13.8
Argentina	2.5	2.3	2.7	3.1	0.4	0.3%	10.5
Brazil	1.3	2.8	7.3	8.1	1.1	0.8%	17.7
Colombia	0.8	2.0	2.6	2.6	0.4	0.2%	10.0
Ecuador	1.1	1.4	2.1	2.1	0.3	0.2%	14.4
Peru	0.6	0.4	0.4	0.3	†	†	8.1
Trinidad & Tobago	0.7	0.5	0.6	0.7	0.1	0.1%	11.9
Venezuela	18.0	59.0	72.6	76.9	11.1	7.3%	66.4
Other S. & Cent. America	0.5	0.6	1.2	1.4	0.2	0.1%	29.9
Total S. & Cent. America	25.5	69.0	89.5	95.2	13.6	9.0%	39.1
Denmark	0.5	0.8	1.1	1.1	0.1	0.1%	7.9
Italy	0.6	0.7	0.6	0.6	0.1	0.1%	19.4
Norway	5.5	7.6	10.8	9.4	1.2	0.9%	7.7
Romania	n/a	1.2	1.4	1.4	0.2	0.1%	31.0
United Kingdom	14.8	3.8	5.2	5.0	0.7	0.5%	5.3
Other Europe	4.6	2.2	1.6	1.6	0.2	0.2%	13.9
Total Europe	26.0	16.3	20.7	19.1	2.5	1.9%	7.7
Azerbaijan	n/a	n/a	7.0	6.9	0.9	0.7%	63.4
Kazakhstan	n/a	n/a	8.0	8.0	1.1	0.8%	31.1
Russian Federation	n/a	n/a	48.6	48.6	6.7	4.6%	20.6
Turkmenistan	n/a	n/a	0.5	0.5	0.1	0.1%	10.2
Uzbekistan	n/a	n/a	0.6	0.6	0.1	0.1%	10.8
Other Former Soviet Union	n/a	n/a	0.7	0.7	0.1	0.1%	15.7
Total Former Soviet Union	63.0	57.0	65.4	65.3	9.0	6.4%	22.7
Iran	57.5	92.9	89.7	89.7	12.3	8.6%	65.7
Iraq	30.0	100.0	112.5	112.5	15.1	10.8%	*
Kuwait	67.9	97.0	96.5	96.5	13.3	9.2%	*
Oman	2.3	4.3	5.3	5.5	0.8	0.5%	15.7
Qatar	3.6	4.5	3.7	13.2	1.7	1.3%	47.1
Saudi Arabia	168.0	260.0	263.5	261.7	35.8	25.0%	81.1
Syria	1.9	1.7	2.5	2.5	0.4	0.2%	12.7
United Arab Emirates	30.4	98.1	97.8	97.8	12.6	9.3%	*
Yemen	-	4.0	4.0	4.0	0.5	0.4%	25.2
Other Middle East	0.2	0.1	0.2	0.2	†	†	9.0
Total Middle East	361.8	662.6	675.7	683.6	92.5	65.3%	83.2
Algeria	8.2	9.2	9.2	9.2	1.2	0.9%	17.4
Angola	1.2	2.1	5.4	5.4	0.7	0.5%	20.1
Cameroon	0.2	0.4	0.4	0.4	0.1	†	12.4
Rep. of Congo (Brazzaville)	0.7	0.8	1.5	1.5	0.2	0.1%	15.0
Egypt	2.9	4.5	2.9	2.9	0.4	0.3%	10.4
Equatorial Guinea	-	-	†	†	†	†	0.3
Gabon	0.4	0.7	2.5	2.5	0.3	0.2%	20.9
Libya	23.0	22.8	29.5	29.5	3.9	2.8%	55.3
Nigeria	16.7	17.1	22.5	22.5	3.1	2.2%	29.4
Tunisia	1.7	1.7	0.3	0.3	†	†	10.7
Other Africa	0.2	0.6	0.6	0.6	0.1	0.1%	6.8
Total Africa	55.2	59.9	74.8	74.8	10.0	7.1%	26.8
Australia	2.4	1.6	2.9	2.9	0.4	0.3%	10.4
Brunei	1.7	1.4	1.4	1.4	0.2	0.1%	19.5
China	20.5	24.0	24.0	24.0	3.3	2.3%	20.2
India	2.6	8.0	4.8	4.7	0.6	0.4%	17.3
Indonesia	9.5	11.0	5.0	5.0	0.7	0.5%	9.8
Malaysia	3.0	2.9	3.9	3.9	0.5	0.4%	14.1
Papua New Guinea	-	0.2	0.3	0.3	†	†	14.0
Thailand	-	0.2	0.3	0.4	†	†	7.4
Vietnam	-	0.5	0.6	0.6	0.1	0.1%	5.2
Other Asia Pacific	0.5	0.5	0.8	0.8	0.2	0.1%	16.7
Total Asia Pacific	40.2	50.3	44.0	44.0	6.0	4.2%	15.6
TOTAL WORLD	659.9	1009.0	1034.0	1046.4	142.1	100.0%	39.9
of which: OECD#	113.7	110.4	85.9	84.8	11.2	8.1%	11.5
OPEC	432.8	771.7	802.5	814.4	110.7	77.8%	74.3
Non-OPEC†	164.1	180.3	166.2	166.7	22.4	15.9%	13.4

†Less than 0.05.

*Over 100 years.

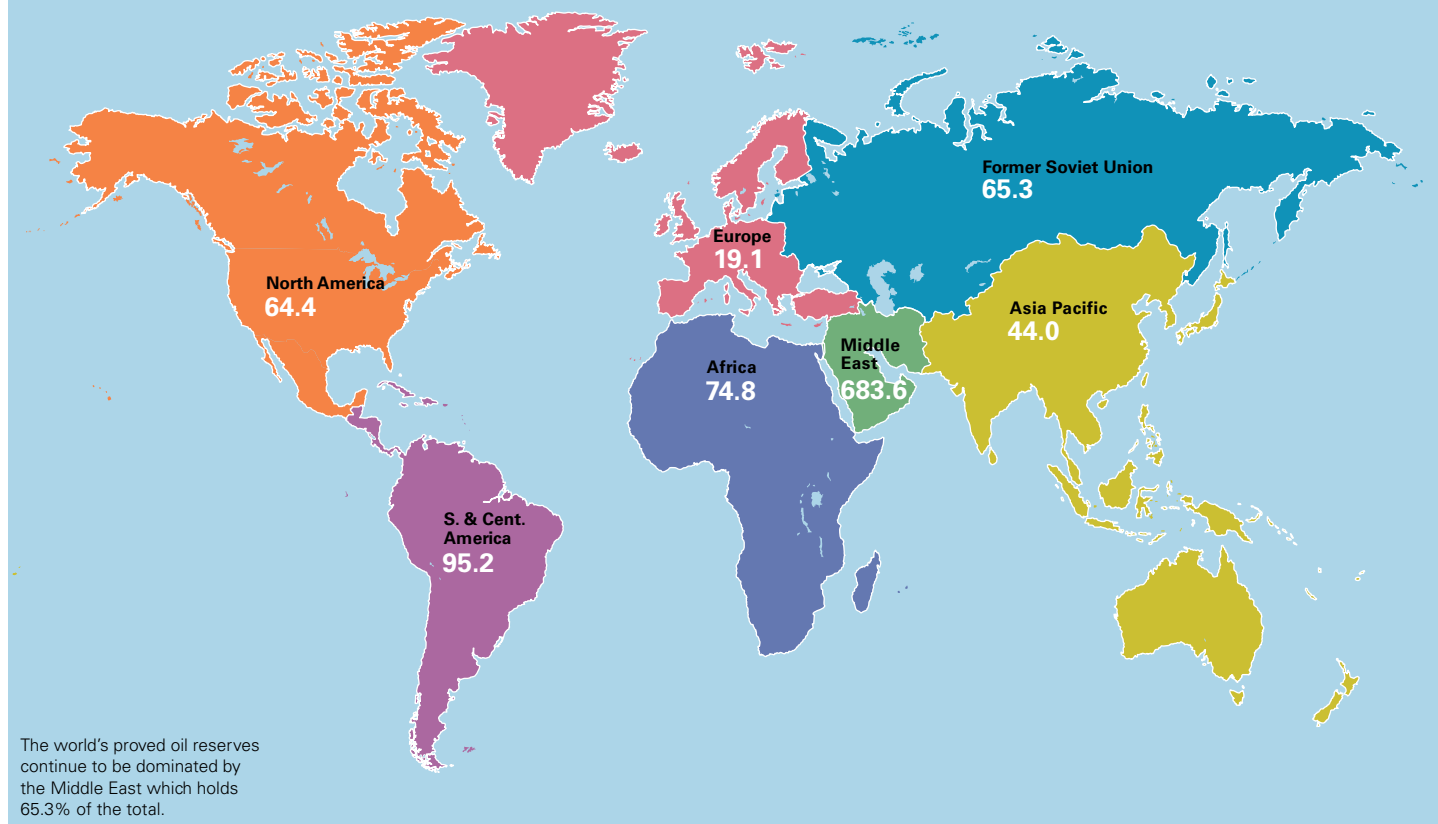
#1980 & 1990 exclude Central European members.

†Excludes Former Soviet Union.

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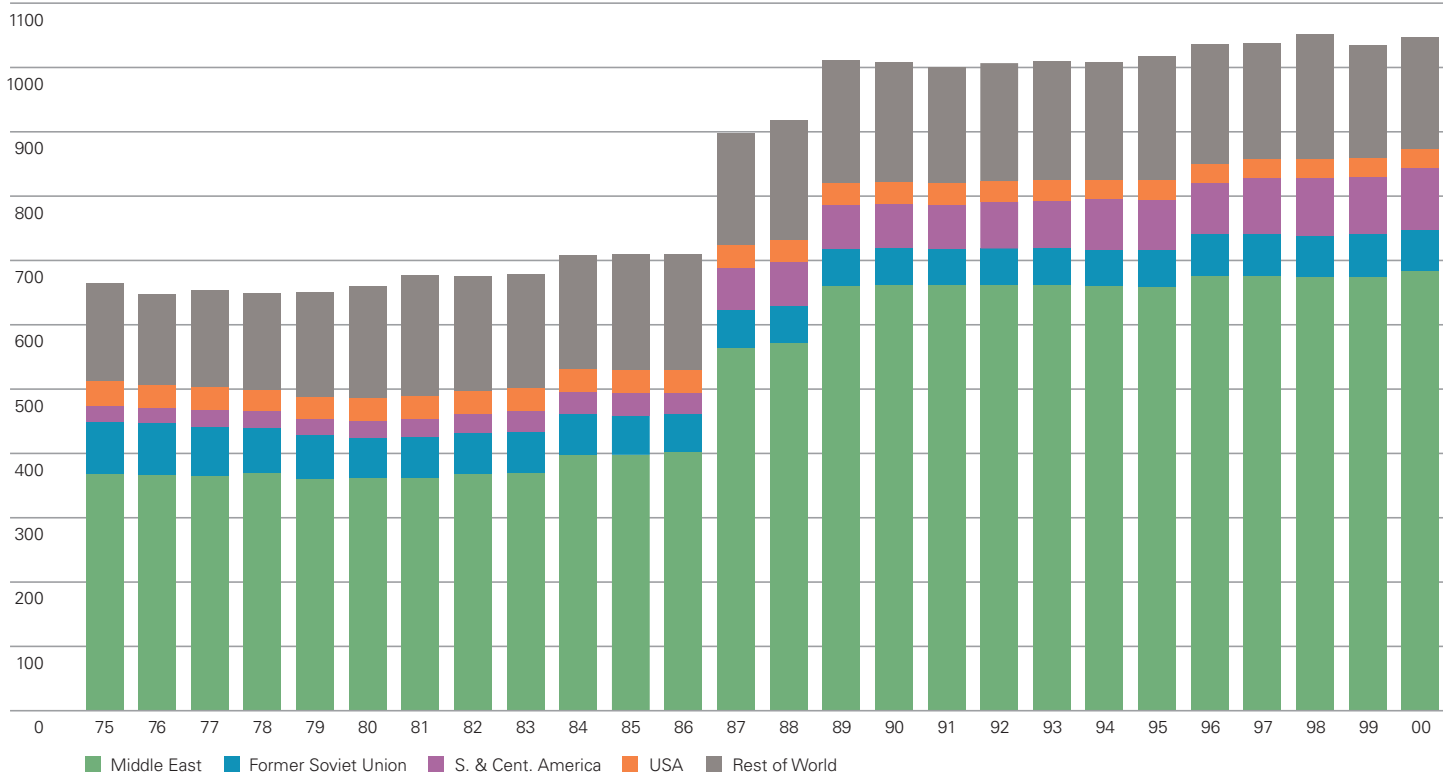
Proved reserves at end 2000

Thousand million barrels



Proved reserves

Thousand million barrels



*Includes crude oil, shale oil, oil sands and NGLs (natural gas liquids – the liquid content of natural gas where this is recovered separately).
Excludes liquid fuels from other sources such as coal derivatives.
‡Excludes Former Soviet Union.

Production*

Thousand barrels daily	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
USA	8915	9075	8870	8585	8390	8320	8295	8270	8010	7730	7745	0.1%	9.8%
Canada	1965	1980	2060	2185	2275	2400	2480	2590	2670	2605	2710	4.7%	3.5%
Mexico	2975	3125	3120	3130	3140	3065	3275	3410	3500	3345	3450	3.6%	4.8%
Total North America	13855	14180	14050	13900	13805	13785	14050	14270	14180	13680	13905	1.9%	18.1%
Argentina	515	525	585	630	695	760	825	875	890	850	820	-3.5%	1.1%
Brazil	650	645	645	655	680	705	795	855	990	1115	1255	12.6%	1.8%
Colombia	445	430	440	460	460	590	635	665	775	840	710	-15.1%	1.0%
Ecuador	290	305	330	355	390	395	395	395	385	380	405	6.4%	0.6%
Peru	130	115	115	125	130	125	120	120	120	115	105	-8.8%	0.2%
Trinidad & Tobago	150	150	145	135	140	140	140	135	135	140	170	21.1%	0.2%
Venezuela	2245	2500	2500	2590	2750	2960	3135	3320	3510	3175	3235	2.2%	4.6%
Other S. & Cent. America	80	80	75	85	90	95	100	115	125	130	135	4.1%	0.2%
Total S. & Cent. America	4505	4750	4835	5035	5335	5770	6145	6480	6930	6745	6835	1.5%	9.7%
Denmark	125	145	160	170	190	190	210	235	240	305	370	21.3%	0.5%
Italy	90	85	85	90	95	100	105	115	110	95	90	-8.6%	0.1%
Norway	1740	1985	2265	2430	2765	2965	3315	3360	3215	3205	3365	5.5%	4.4%
Romania	165	145	140	140	140	140	140	140	135	130	130	-1.6%	0.2%
United Kingdom	1915	1915	1975	2115	2670	2740	2730	2705	2760	2885	2660	-7.6%	3.5%
Other Europe	515	505	490	460	470	440	410	385	370	345	340	-0.6%	0.5%
Total Europe	4550	4780	5115	5405	6330	6575	6910	6940	6830	6965	6955	0.1%	9.2%
Azerbaijan	255	240	225	210	195	185	185	185	230	280	300	8.0%	0.4%
Kazakhstan	550	570	550	490	430	435	475	535	535	630	745	17.1%	1.0%
Russian Federation	10405	9325	8040	7175	6420	6290	6115	6225	6170	6180	6535	6.1%	9.0%
Turkmenistan	120	115	110	90	85	85	90	110	130	145	150	4.2%	0.2%
Uzbekistan	70	70	80	95	125	170	175	180	190	190	175	-7.4%	0.2%
Other Former Soviet Union	165	155	145	140	140	135	135	140	135	130	130	-0.1%	0.2%
Total Former Soviet Union	11565	10475	9150	8200	7395	7300	7175	7375	7390	7555	8035	6.6%	11.0%
Iran	3255	3500	3525	3685	3690	3695	3705	3725	3800	3550	3770	6.5%	5.2%
Iraq	2155	280	525	465	520	575	625	1200	2160	2580	2625	2.0%	3.6%
Kuwait	965	185	1095	1965	2100	2135	2140	2145	2195	2025	2150	6.4%	2.9%
Oman	695	715	750	785	820	870	895	910	905	910	960	5.8%	1.3%
Qatar	435	420	495	460	450	460	570	695	745	725	795	9.8%	1.0%
Saudi Arabia	7105	8820	9100	8960	8875	8890	9035	9215	9220	8550	9145	7.5%	12.3%
Syria	405	470	520	570	570	600	590	580	580	585	540	-7.1%	0.8%
United Arab Emirates	2285	2640	2510	2445	2480	2410	2495	2490	2555	2325	2515	8.6%	3.2%
Yemen	180	195	185	210	345	350	355	370	380	395	440	10.8%	0.6%
Other Middle East	50	55	55	55	50	50	50	50	50	50	50	2.5%	0.1%
Total Middle East	17530	17280	18760	19600	19900	20035	20460	21380	22590	21695	22990	6.3%	31.0%
Algeria	1345	1345	1320	1325	1320	1325	1380	1415	1455	1510	1580	4.8%	1.9%
Angola	475	495	550	505	555	630	715	740	730	745	735	-1.0%	1.0%
Cameroon	155	145	135	130	115	105	110	125	105	95	90	-7.0%	0.1%
Rep. of Congo (Brazzaville)	160	160	175	190	195	185	210	235	275	295	275	-5.9%	0.4%
Egypt	905	900	910	945	930	930	900	880	860	835	795	-4.5%	1.1%
Equatorial Guinea	-	-	†	5	5	5	20	65	90	100	115	17.8%	0.1%
Gabon	270	295	290	305	335	355	365	365	335	340	325	-3.8%	0.5%
Libya	1425	1440	1475	1400	1430	1440	1450	1490	1480	1425	1475	3.8%	2.0%
Nigeria	1810	1890	1950	1985	1990	2000	2140	2305	2165	2030	2105	4.1%	2.9%
Tunisia	95	110	110	100	95	90	90	80	85	85	80	-6.0%	0.1%
Other Africa	35	35	30	40	45	55	70	75	70	135	245	81.4%	0.3%
Total Africa	6675	6815	6945	6930	7015	7120	7450	7775	7650	7595	7820	3.2%	10.4%
Australia	640	605	600	565	610	585	610	670	645	575	815	45.1%	1.0%
Brunei	150	165	180	175	180	175	165	165	155	180	195	6.5%	0.3%
China	2775	2830	2840	2890	2930	2990	3170	3210	3210	3215	3245	1.3%	4.5%
India	730	700	640	620	705	790	780	800	800	795	785	-0.7%	1.0%
Indonesia	1540	1670	1580	1590	1590	1580	1580	1555	1520	1405	1430	2.5%	1.9%
Malaysia	635	660	670	660	675	725	735	765	810	795	805	1.2%	1.0%
Papua New Guinea	-	-	55	125	120	100	105	75	80	90	70	-20.2%	0.1%
Thailand	65	75	85	85	85	85	95	115	120	130	165	28.2%	0.2%
Vietnam	55	80	110	125	140	150	175	200	240	290	320	11.0%	0.4%
Other Asia Pacific	140	145	155	155	140	135	145	155	140	140	140	0.1%	0.2%
Total Asia Pacific	6730	6930	6915	6990	7175	7315	7560	7710	7720	7615	7970	4.9%	10.6%
TOTAL WORLD	65410	65210	65770	66060	66955	67900	69750	71930	73290	71850	74510	4.0%	100.0%
of which: OECD	18840	19410	19615	19715	20590	20795	21430	21750	21520	21095	21545	2.4%	28.1%
OPEC	24555	24690	26070	26870	27200	27460	28260	29555	30815	29295	30825	5.6%	41.5%
Non-OPEC‡	29285	30040	30545	30985	32360	33145	34315	34995	35090	34985	35640	2.1%	47.5%

*Includes crude oil, shale oil, oil sands and NGLs (natural gas liquids – the liquid content of natural gas where this is recovered separately).

Excludes liquid fuels from other sources such as coal derivatives.

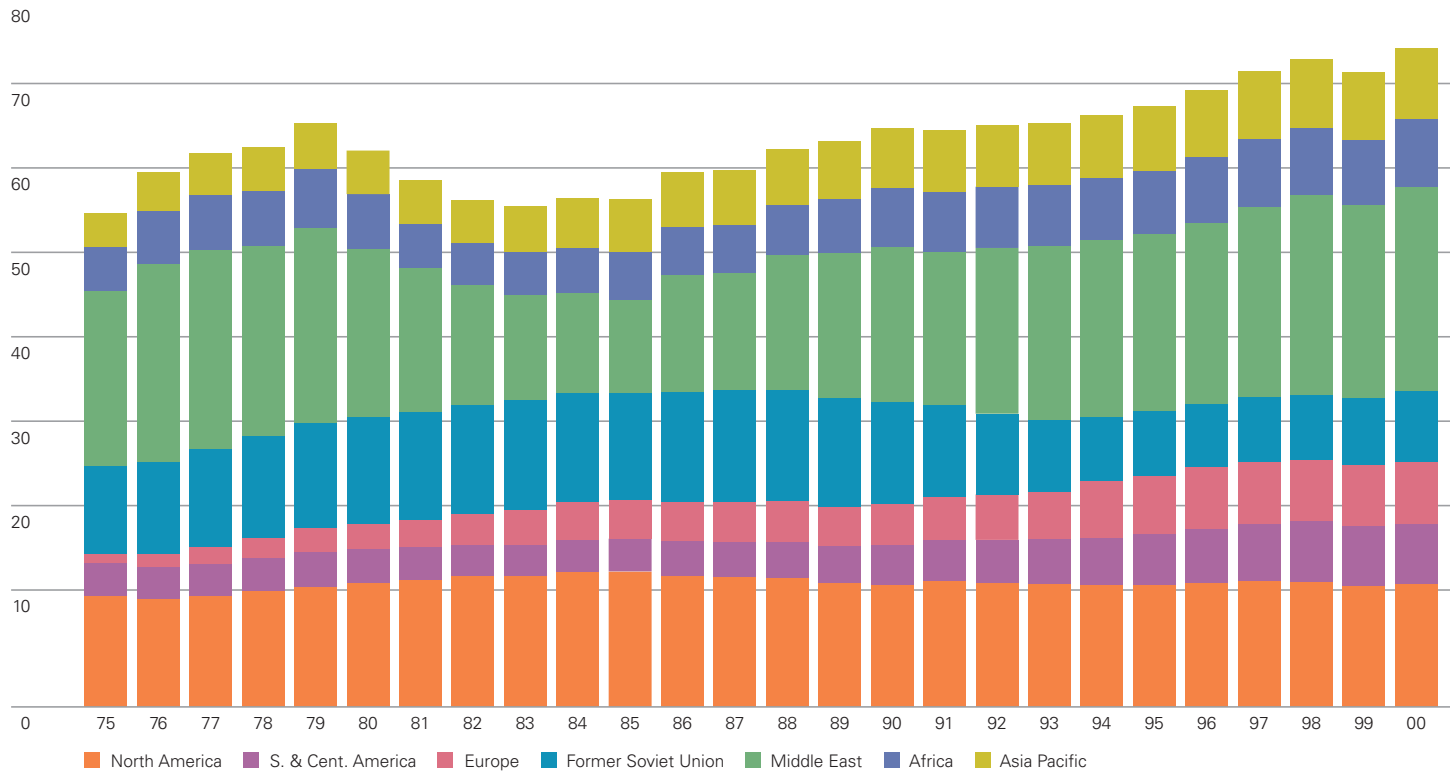
†Less than 0.05.

‡Excludes Former Soviet Union.

Note: Annual changes and shares of total are on a weight basis.

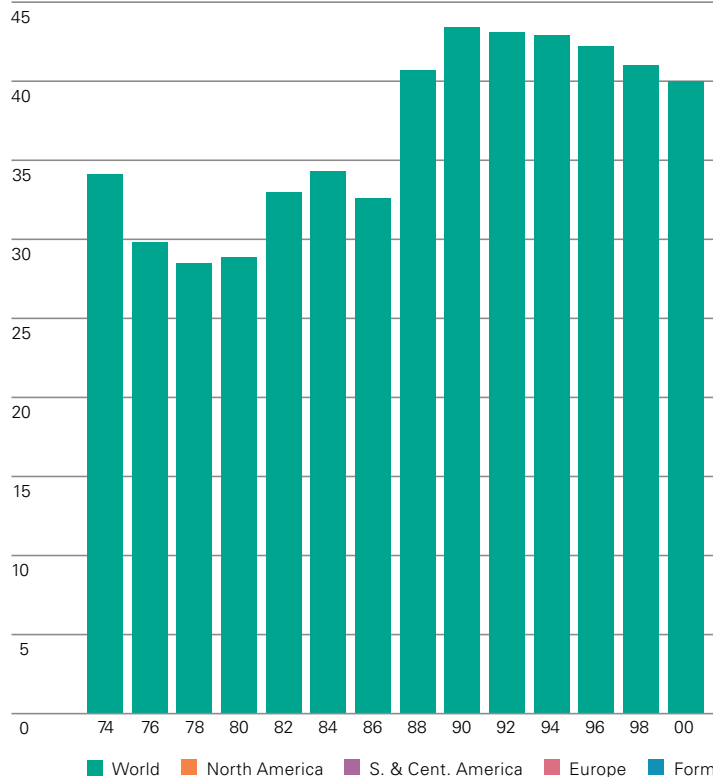
Production by area

Million barrels daily

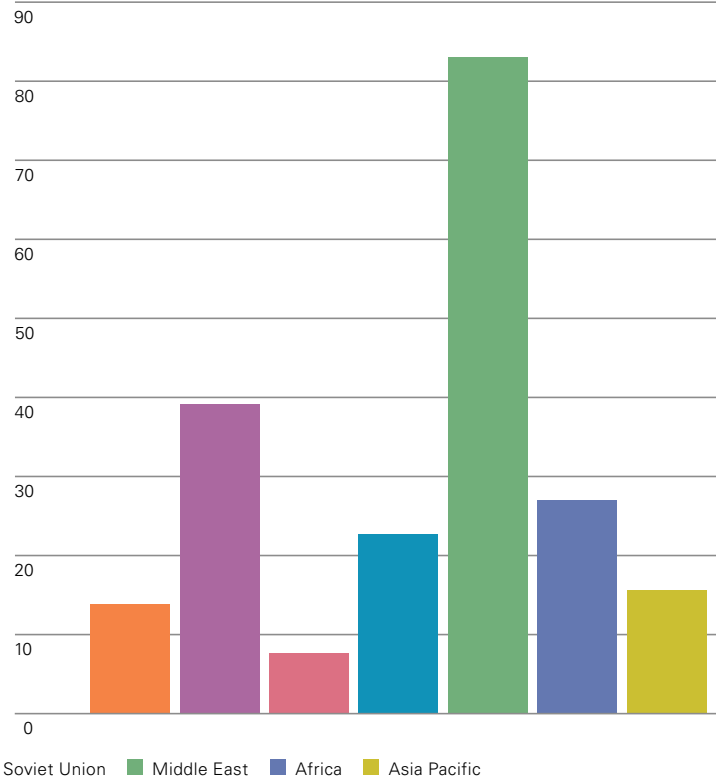


R/P ratios

World – Reserves to production ratio



2000 by area – Reserves to production ratio



The world's oil R/P ratio has fallen modestly since 1990 as world oil production growth has outpaced additions to reserves. However, the ratio is significantly higher than it was 20 years ago, primarily as the result of reserves increases in OPEC countries.

Consumption*

Million tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
USA	781.8	765.6	782.2	789.3	809.8	807.7	836.5	848.0	863.8	888.9	897.4	1.0%	25.6%
Canada	77.7	74.8	74.9	77.0	78.7	76.3	78.6	82.1	83.5	82.9	82.9	-0.1%	2.4%
Mexico	67.7	70.4	71.2	71.0	77.8	71.4	73.8	77.3	81.2	80.8	84.3	4.3%	2.4%
Total North America	927.2	910.8	928.3	937.3	966.3	955.4	988.9	1007.4	1028.5	1052.6	1064.6	1.1%	30.4%
Argentina	18.3	19.4	19.6	19.6	19.4	19.5	20.4	21.2	22.1	20.8	20.1	-3.5%	0.6%
Brazil	58.4	59.0	62.1	62.9	65.7	69.2	74.1	79.9	83.2	83.2	84.4	1.4%	2.4%
Chile	6.6	6.8	7.4	8.0	8.8	9.7	10.6	11.4	11.4	11.7	11.8	0.9%	0.3%
Colombia	9.5	9.6	10.6	10.8	11.1	11.8	12.2	12.3	12.0	10.6	10.5	-1.7%	0.3%
Ecuador	4.2	4.7	4.6	4.8	5.2	5.1	5.7	6.5	6.6	6.0	6.5	7.3%	0.2%
Peru	5.7	5.3	5.5	5.7	6.2	7.1	7.3	7.2	7.3	7.4	7.0	-4.5%	0.2%
Venezuela	18.4	18.6	19.7	19.4	19.6	20.0	19.0	20.4	21.6	21.9	22.6	3.3%	0.6%
Other S. & Cent. America	45.2	45.1	46.3	47.8	49.9	51.6	52.3	53.2	54.3	55.1	55.8	1.4%	1.6%
Total S. & Cent. America	166.3	168.5	175.8	179.0	185.9	194.0	201.6	212.1	218.5	216.7	218.7	0.9%	6.2%
Austria	10.8	11.6	11.3	11.4	11.3	11.3	11.6	11.9	12.3	12.1	11.5	-4.3%	0.3%
Belgium & Luxembourg	24.8	26.5	27.1	26.5	27.0	26.4	29.4	30.3	31.6	32.4	33.1	2.2%	0.9%
Bulgaria	8.8	5.9	6.0	6.2	5.8	5.6	5.5	4.4	4.8	4.9	5.0	2.2%	0.1%
Czech Republic	8.4	7.1	6.8	6.9	7.1	8.0	8.4	8.0	8.3	8.2	7.9	-3.2%	0.2%
Denmark	9.0	9.1	9.0	9.5	10.1	10.5	11.4	11.1	10.7	10.6	10.4	-2.7%	0.3%
Finland	11.0	10.6	10.3	9.9	10.4	9.9	10.3	10.2	10.5	10.7	10.5	-1.3%	0.3%
France	89.4	94.6	94.4	91.1	88.2	89.0	91.0	91.7	95.0	96.4	95.1	-1.4%	2.7%
Germany	127.3	133.1	134.3	136.3	135.1	135.1	137.4	136.5	136.6	132.4	129.5	-2.2%	3.7%
Greece	15.7	15.8	16.1	16.7	16.9	17.6	18.2	18.4	18.2	18.7	19.1	2.2%	0.5%
Hungary	9.3	8.0	8.1	7.7	8.1	7.7	7.1	7.1	7.4	7.1	6.9	-3.4%	0.2%
Iceland	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.9	4.3%	†
Republic of Ireland	4.4	4.9	5.1	5.1	5.6	5.7	6.0	6.6	7.4	8.3	8.3	-1.0%	0.2%
Italy	93.6	92.4	94.5	92.6	92.5	95.5	94.2	94.6	94.7	94.4	93.0	-1.4%	2.7%
Netherlands	35.0	35.8	36.5	36.4	36.4	38.0	37.4	39.5	39.4	40.6	41.8	3.0%	1.2%
Norway	9.2	8.7	9.0	9.5	9.6	9.6	10.1	10.3	10.0	10.1	9.4	-6.5%	0.3%
Poland	15.8	14.9	13.6	14.0	14.8	14.9	17.2	18.2	19.9	19.9	20.6	3.6%	0.6%
Portugal	11.1	11.5	12.8	12.0	12.0	12.9	12.1	13.7	15.1	15.4	15.3	-0.4%	0.4%
Romania	18.7	15.6	12.7	12.1	11.2	13.5	13.0	13.7	12.0	9.5	8.9	-5.8%	0.3%
Slovakia	5.0	4.4	3.9	3.2	3.3	3.2	3.4	3.4	3.3	3.0	2.8	-4.9%	0.1%
Spain	48.7	49.4	52.8	51.3	53.5	56.3	58.7	62.0	66.4	68.4	70.1	2.5%	2.0%
Sweden	16.4	15.5	16.4	16.1	17.0	16.1	17.4	16.1	16.2	16.1	15.2	-5.4%	0.4%
Switzerland	12.8	13.0	13.1	12.3	12.7	11.8	12.2	12.8	13.0	12.6	12.2	-3.1%	0.4%
Turkey	22.1	22.1	23.5	27.0	25.8	28.4	29.8	30.0	29.6	29.5	31.5	6.8%	0.9%
United Kingdom	82.9	82.5	83.6	84.0	82.9	81.9	83.9	81.3	80.9	79.4	77.6	-2.3%	2.2%
Other Europe	19.5	16.9	13.0	13.4	12.9	13.6	15.2	16.5	16.7	16.3	16.0	-1.8%	0.5%
Total Europe	710.3	710.5	714.6	711.9	710.9	723.3	741.7	749.2	760.9	757.9	752.6	-0.7%	21.4%
Azerbaijan	8.5	8.2	8.1	8.2	8.1	8.5	7.0	6.0	5.9	6.3	7.4	17.5%	0.2%
Belarus	24.8	24.0	21.2	14.0	12.8	12.3	9.3	9.6	7.9	6.1	5.4	-11.5%	0.2%
Kazakhstan	21.5	21.7	20.3	15.7	12.3	12.0	10.2	10.3	8.2	6.0	6.2	3.3%	0.2%
Lithuania	7.5	8.2	4.5	3.9	3.6	3.2	3.3	3.3	3.8	3.1	2.9	-4.5%	0.1%
Russian Federation	249.7	243.4	224.4	188.6	162.7	146.1	130.1	129.1	123.7	126.2	123.5	-2.1%	3.5%
Turkmenistan	4.4	5.0	4.9	3.2	3.7	3.9	3.0	3.0	4.3	4.5	4.8	6.7%	0.1%
Ukraine	63.0	57.5	42.6	24.8	19.8	18.9	14.2	13.8	14.3	13.3	10.4	-21.8%	0.3%
Uzbekistan	12.6	11.0	9.1	8.1	7.2	6.7	7.4	6.7	7.0	7.1	6.8	-4.2%	0.2%
Other Former Soviet Union	26.7	18.4	12.9	9.2	6.1	5.4	4.2	5.0	4.8	4.7	5.7	20.4%	0.2%
Total Former Soviet Union	418.7	397.4	348.0	275.7	236.3	217.0	188.7	186.8	179.9	177.3	173.1	-2.3%	5.0%
Iran	47.1	49.0	50.0	50.9	53.4	58.4	60.6	59.0	56.6	58.4	56.9	-2.6%	1.6%
Kuwait	5.5	3.7	5.2	4.9	6.0	5.9	7.3	8.0	8.2	8.6	8.0	-6.0%	0.2%
Qatar	1.1	0.8	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.1	1.1	2.9%	†
Saudi Arabia	51.2	55.4	51.4	52.1	53.5	51.4	53.7	55.3	58.8	60.9	62.4	2.4%	1.8%
United Arab Emirates	12.7	16.5	16.9	17.2	18.2	18.0	17.8	16.3	11.9	13.0	14.3	9.4%	0.4%
Other Middle East	47.1	44.0	48.1	49.6	51.0	55.4	57.8	61.1	62.9	65.0	66.3	1.9%	1.9%
Total Middle East	164.7	169.4	172.4	175.5	183.0	190.1	198.3	200.8	199.6	207.0	209.0	0.9%	5.9%
Algeria	9.2	9.1	9.1	9.1	8.7	8.4	8.1	8.0	8.2	8.1	8.5	4.9%	0.2%
Egypt	23.8	23.4	22.7	21.6	21.5	23.3	24.6	26.0	27.3	27.8	26.2	-5.6%	0.8%
South Africa	16.6	16.7	17.3	18.0	18.8	20.1	20.7	21.0	21.3	21.8	22.5	3.3%	0.6%
Other Africa	45.3	46.4	48.5	50.0	52.0	52.6	53.2	54.5	56.3	58.2	59.5	2.2%	1.7%
Total Africa	94.9	95.6	97.6	98.7	101.0	104.4	106.6	109.5	113.1	115.9	116.7	0.8%	3.3%
Australia	31.6	30.8	30.9	32.7	34.0	35.3	35.9	37.0	37.0	38.0	38.7	1.9%	1.1%
Bangladesh	1.9	1.7	1.8	2.1	2.2	2.8	2.9	3.3	3.1	3.2	3.3	3.0%	0.1%
China	110.3	117.9	129.0	140.5	149.5	160.7	174.4	185.6	190.3	207.2	226.9	9.5%	6.5%
China Hong Kong SAR	6.3	6.3	8.1	8.3	8.9	9.5	9.3	9.2	8.8	9.3	9.6	3.2%	0.3%
India	57.9	58.9	62.1	62.7	67.4	73.0	79.4	83.3	86.8	95.2	97.6	2.5%	2.8%
Indonesia	29.8	32.2	35.1	37.6	37.0	39.1	42.4	45.9	43.5	46.8	51.1	9.1%	1.5%
Japan	247.7	252.1	257.5	251.9	267.4	267.6	268.8	265.0	253.6	257.3	253.5	-1.5%	7.2%
Malaysia	13.0	13.9	14.0	15.6	17.4	17.9	19.0	20.2	19.0	20.3	20.5	0.8%	0.6%
New Zealand	4.9	4.9	5.2	5.2	5.6	5.8	5.9	6.1	6.1	6.3	6.3	0.7%	0.2%
Pakistan	10.7	11.4	12.4	13.5	14.5	15.8	16.6	17.0	17.6	18.2	19.6	7.5%	0.6%
Philippines	11.5	11.1	13.7	14.1	14.9	16.8	17.5	18.8	19.1	18.0	16.8	-6.8%	0.5%
Singapore	20.3	20.6	21.7	23.0	26.8	27.9	27.5	29.1	29.2	28.3	29.1	2.9%	0.8%
South Korea	49.5	59.9	72.3	79.3	87.0	94.8	101.4	110.3	92.9	99.7	101.8	2.1%	2.9%
Taiwan	26.8	27.6	28.4	30.2	32.3	34.7	34.8	36.0	37.2	39.9	39.8	-0.3%	1.1%
Thailand	19.6	21.4	23.6	26.8	29.8	34.7	37.5	37.8	35.4	35.4	34.1	-3.6%	1.0%
Other Asia Pacific	11.6	11.4	12.5	13.5	14.0	14.8	16.4	17.3	18.1	18.6	20.2	8.7%	0.6%
Total Asia Pacific	653.4	682.1	728.3	757.0	808.7	851.2	889.7	921.9	897.7	941.7	968.9	2.9%	27.8%
TOTAL WORLD	3135.5	3134.3	3165.0	3135.1	3192.1	3235.4	3315.5	3387.7	3398.2	3469.1	3503.6	1.0%	100.0%
of which: OECD	1919.2	1926.2	1973.2	1983.4	2038.0	2046.3	2105.5	2137.0	2142.2	2178.1	2184.8	0.3%	62.4%
European Union 15	580.1	593.3	604.2	598.9	598.9	606.2	619.0	623.9	635.0	635.9	630.5	-0.8%	18.0%
Other EMEs†	745.4	767.8	808.1	840.9	884.7	936.0	984.2	1026.0	1039.3	1079.8	1112.7	3.0%	31.8%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss.

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Note: Differences between these world consumption figures and world production statistics on page 6 are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

oil	natural gas	coal	nuclear energy	hydroelectricity	primary energy								
Consumption*												Change 2000 over 1999	2000 share of total
Thousands barrels daily	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
USA#	16305	16000	16260	16470	16950	16950	17470	17770	18030	18635	18745	1.0%	25.6%
Canada	1690	1630	1625	1680	1720	1665	1710	1800	1820	1795	1775	-0.1%	2.4%
Mexico	1455	1520	1545	1550	1685	1560	1610	1680	1765	1765	1840	4.3%	2.4%
Total North America	19450	19150	19430	19700	20355	20175	20790	21250	21615	22195	22360	1.1%	30.4%
Argentina	390	410	415	420	415	415	430	450	465	440	430	-3.5%	0.6%
Brazil	1275	1290	1330	1355	1420	1500	1600	1730	1800	1805	1825	1.4%	2.4%
Chile	145	150	160	175	190	210	230	245	245	255	255	0.9%	0.3%
Colombia	210	215	235	240	245	260	270	270	265	240	230	-1.7%	0.3%
Ecuador	90	105	100	105	115	110	125	140	145	130	140	7.3%	0.2%
Peru	120	110	115	120	130	150	150	150	155	155	150	-4.5%	0.2%
Venezuela	395	405	430	430	435	445	425	450	475	480	495	3.3%	0.6%
Other S. & Cent. America	920	920	940	975	1020	1055	1065	1090	1110	1130	1140	1.4%	1.6%
Total S. & Cent. America	3545	3605	3725	3820	3970	4145	4295	4525	4660	4635	4665	0.9%	6.2%
Austria	225	240	235	235	235	235	240	245	255	250	240	-4.3%	0.3%
Belgium & Luxembourg	510	545	560	545	555	545	605	630	655	670	685	2.2%	0.9%
Bulgaria	180	120	120	125	120	115	115	90	100	100	105	2.2%	0.1%
Czech Republic	175	145	140	140	150	170	175	170	175	175	170	-3.2%	0.2%
Denmark	185	185	185	195	210	215	235	230	225	220	215	-2.7%	0.3%
Finland	230	220	215	205	215	210	215	215	220	225	220	-1.3%	0.3%
France	1910	2020	2010	1940	1880	1895	1930	1950	2015	2045	2010	-1.4%	2.7%
Germany	2710	2835	2850	2905	2880	2880	2920	2915	2915	2825	2760	-2.2%	3.7%
Greece	320	325	330	340	345	360	370	380	375	385	390	2.2%	0.5%
Hungary	200	170	170	160	170	160	150	150	155	150	145	-3.4%	0.2%
Iceland	15	15	15	15	15	15	15	20	20	20	20	4.3%	†
Republic of Ireland	90	100	105	105	115	120	125	135	150	170	170	-1.0%	0.2%
Italy	1930	1920	1950	1925	1920	1985	1955	1970	1975	1980	1945	-1.4%	2.7%
Netherlands	765	765	795	790	790	830	810	855	855	880	900	3.0%	1.2%
Norway	205	195	195	210	210	210	220	225	215	215	205	-6.5%	0.3%
Poland	330	315	290	295	315	320	370	390	425	430	445	3.6%	0.6%
Portugal	230	240	265	250	255	270	255	290	315	320	320	-0.4%	0.4%
Romania	375	310	260	240	225	275	260	275	240	195	185	-5.8%	0.3%
Slovakia	100	90	80	65	70	70	70	70	70	65	60	-4.9%	0.1%
Spain	1040	1055	1115	1080	1120	1175	1220	1290	1380	1425	1455	2.5%	2.0%
Sweden	340	325	345	335	355	340	360	335	340	335	320	-5.4%	0.4%
Switzerland	275	275	280	265	270	255	260	275	280	270	265	-3.1%	0.4%
Turkey	470	470	500	575	555	610	635	645	640	640	690	6.8%	0.9%
United Kingdom	1760	1760	1775	1790	1775	1755	1800	1750	1745	1720	1675	-2.3%	2.2%
Other Europe	395	350	265	275	265	280	315	345	345	340	330	-1.8%	0.5%
Total Europe	14965	14990	15050	15005	15015	15295	15625	15845	16085	16050	15925	-0.7%	21.4%
Azerbaijan	170	165	160	165	165	170	140	120	120	125	150	17.5%	0.2%
Belarus	500	480	425	280	255	245	185	195	160	125	110	-11.5%	0.2%
Kazakhstan	430	435	405	315	245	240	205	205	165	120	125	3.3%	0.2%
Lithuania	150	165	90	80	70	65	65	65	75	65	60	-4.5%	0.1%
Russian Federation	5015	4890	4495	3790	3265	2935	2605	2595	2485	2535	2475	-2.1%	3.5%
Turkmenistan	90	100	100	65	75	80	60	60	85	90	95	6.7%	0.1%
Ukraine	1265	1155	855	500	400	380	285	275	285	265	210	-21.8%	0.3%
Uzbekistan	255	220	180	165	145	135	150	135	140	145	135	-4.2%	0.2%
Other Former Soviet Union	535	370	255	185	120	110	85	100	95	95	115	20.4%	0.2%
Total Former Soviet Union	8410	7980	6965	5545	4740	4360	3780	3750	3610	3565	3475	-2.3%	5.0%
Iran	950	995	1015	1045	1100	1205	1250	1220	1170	1210	1170	-2.6%	1.6%
Kuwait	110	75	105	100	120	120	145	160	165	170	160	-6.0%	0.2%
Qatar	25	20	15	15	20	20	25	25	25	25	25	2.9%	†
Saudi Arabia	1090	1175	1095	1115	1160	1125	1165	1200	1265	1305	1335	2.4%	1.8%
United Arab Emirates	245	320	325	335	355	350	345	315	235	260	280	9.4%	0.4%
Other Middle East	975	900	995	1035	1060	1150	1195	1270	1310	1355	1375	1.9%	1.9%
Total Middle East	3395	3485	3550	3645	3815	3970	4125	4190	4170	4325	4345	0.9%	5.9%
Algeria	215	210	210	210	205	200	185	185	195	185	195	4.9%	0.2%
Egypt	475	470	455	440	435	475	500	530	560	575	545	-5.6%	0.8%
South Africa	355	360	370	385	400	425	435	445	450	460	475	3.3%	0.6%
Other Africa	950	975	1020	1055	1095	1110	1125	1155	1190	1230	1255	2.2%	1.7%
Total Africa	1995	2015	2055	2090	2135	2210	2245	2315	2395	2450	2470	0.8%	3.3%
Australia	695	675	680	720	755	780	795	825	825	840	870	1.9%	1.1%
Bangladesh	40	35	40	45	45	60	60	70	65	65	65	3.0%	0.1%
China	2255	2410	2660	2915	3145	3390	3670	3935	4045	4415	4840	9.5%	6.5%
China Hong Kong SAR	130	130	165	175	185	200	195	190	185	195	200	3.2%	0.3%
India	1210	1235	1295	1315	1415	1535	1665	1755	1835	2015	2070	2.5%	2.8%
Indonesia	620	670	730	780	775	820	890	965	915	980	1065	9.1%	1.5%
Japan	5305	5410	5520	5440	5745	5785	5810	5760	5525	5620	5525	-1.5%	7.2%
Malaysia	270	290	295	330	370	380	405	430	405	440	445	0.8%	0.6%
New Zealand	105	105	110	110	120	125	125	130	130	135	135	0.7%	0.2%
Pakistan	220	230	250	270	290	315	330	340	350	365	385	7.5%	0.6%
Philippines	235	225	280	290	305	345	360	390	390	375	350	-6.8%	0.5%
Singapore	390	395	415	440	510	535	525	560	560	545	560	2.9%	0.8%
South Korea	1040	1255	1520	1675	1840	2010	2145	2355	2010	2160	2200	2.1%	2.9%
Taiwan	550	565	585	620	665	715	715	740	765	820	815	-0.3%	1.1%
Thailand	410	445	490	555	615	715	775	785	735	735	715	-3.6%	1.0%
Other Asia Pacific	245	240	260	280	295	310	345	365	380	390	425	8.7%	0.6%
Total Asia Pacific	13720	14315	15295	15960	17075	18020	18810	19595	19120	20095	20665	2.9%	27.8%
TOTAL WORLD	65480	65540	66070	65765	67105	68175	69670	71470	71655	73315	73905	1.0%	100.0%
of which: OECD	40510	40715	41585	41945	43150	43430	44530	45385	45435	46300	46335	0.3%	62.4%
European Union 15	12245	12535	12735	12640	12650	12815	13040	13190	13420	13450	13305	-0.8%	18.0%
Other EMEs†	15510	15975	16795	17570	18535	19645	20600	21555	21855	22750	23415	3.0%	31.8%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss.

#US processing gain (see page 41) is deducted throughout: the volume in 2000 was 953,000 b/d.

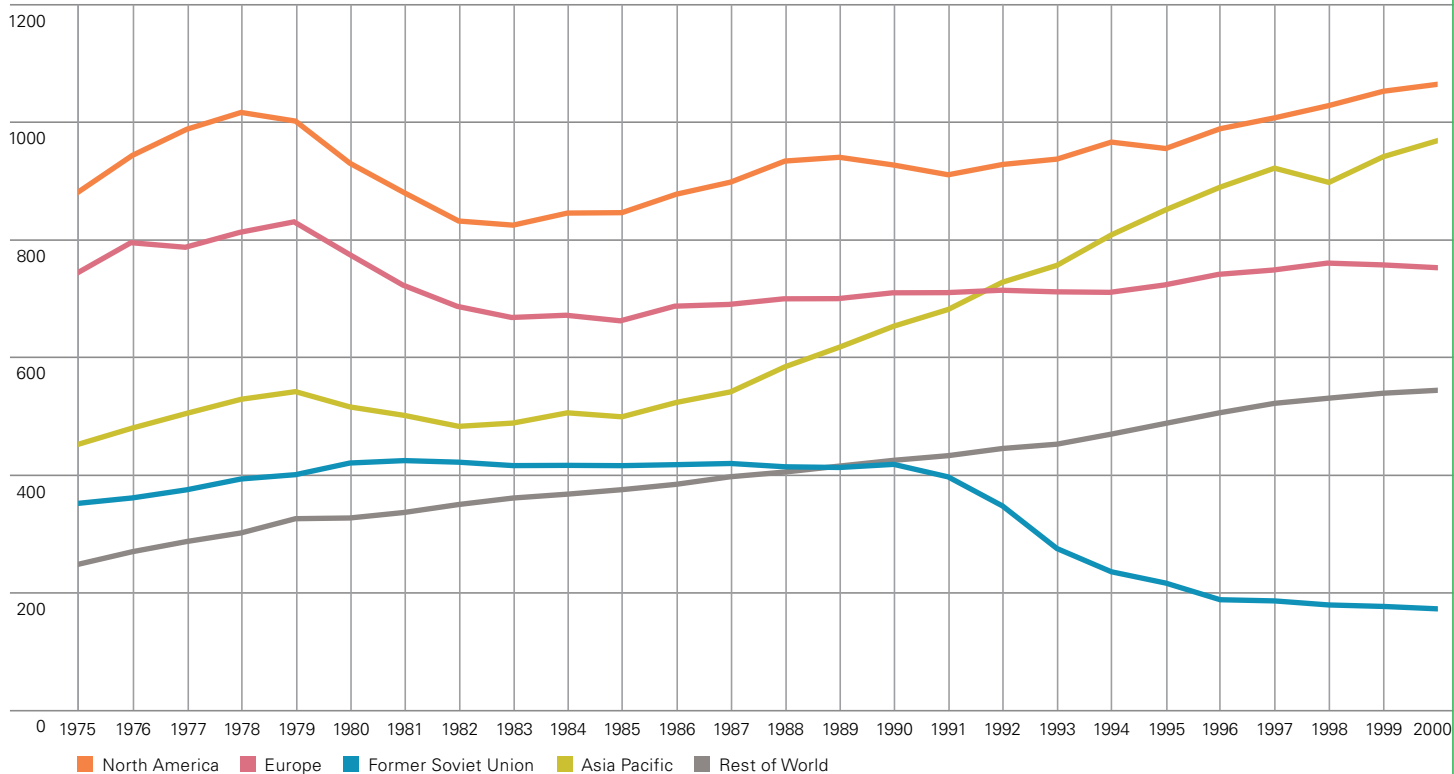
†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Note: Differences between these world consumption figures and world production statistics on page 7 are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data. Annual changes and shares of total are on a weight basis.

Consumption by area

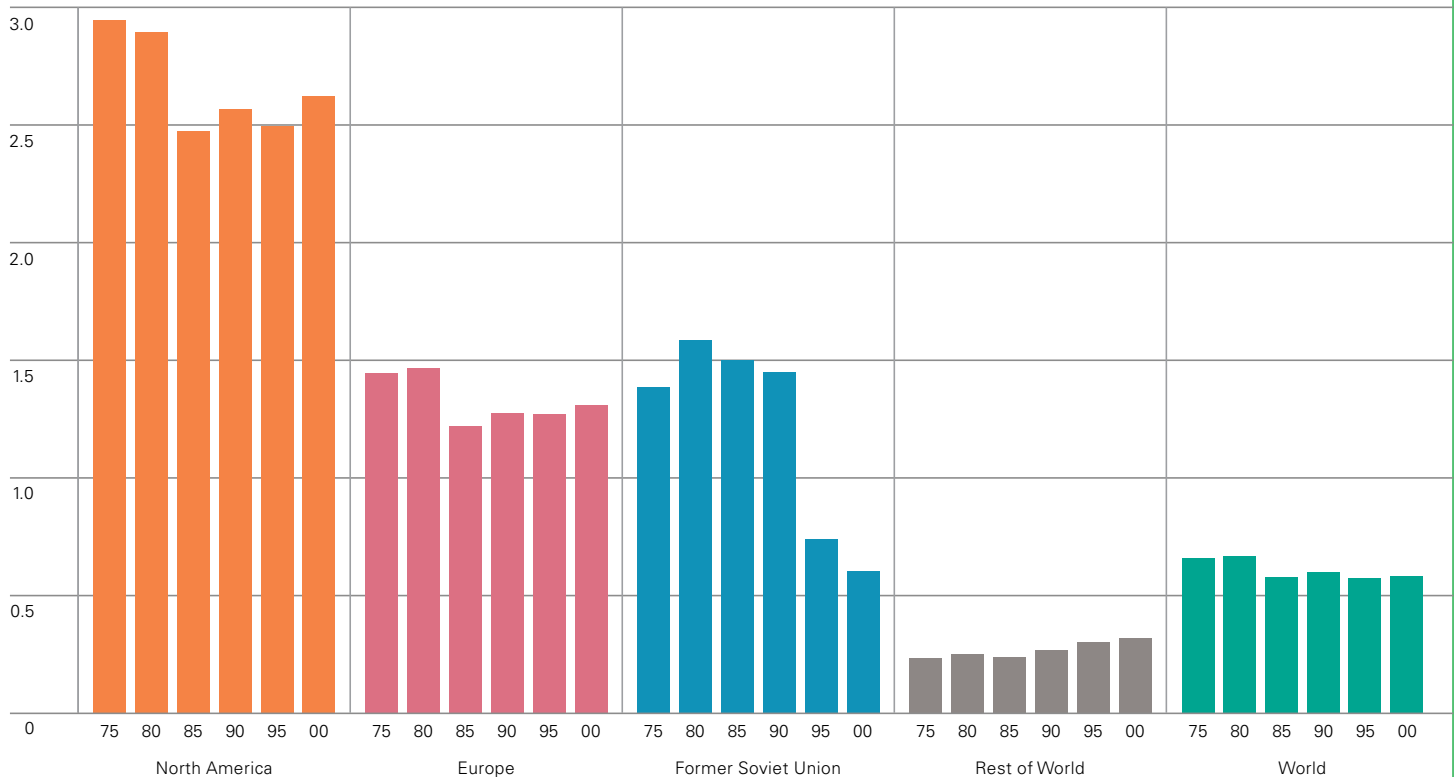
Million tonnes



Oil demand growth has been strongest in the Asia Pacific region during the past 10 years. North America has experienced steady growth in oil consumption, along with the Rest of World, whereas consumption in the Former Soviet Union has fallen considerably over the same period. European oil consumption fell back during 2000 towards the 1997 level.

Consumption per capita

Tonnes



Oil consumption per capita varies greatly between regions. Consumption is strongly influenced by levels of economic development and trends in income (GDP) per capita. At the global level, oil consumption per capita was much the same in 2000 as in 1985. Modest increases in North America, Europe and the Rest of World have been offset by a major fall in the Former Soviet Union.

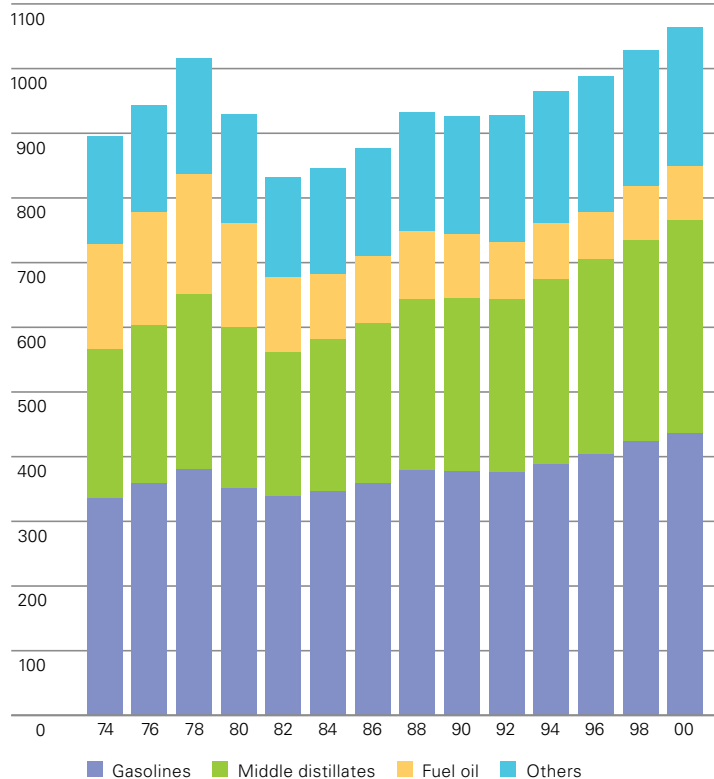
	oil	natural gas	coal	nuclear energy	hydroelectricity	primary energy							
Regional consumption – by product group												Change 2000 over 1999	2000 share of total
Million tonnes	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
North America													
Gasolines	378.5	373.6	376.9	383.1	388.4	397.5	405.2	411.5	424.0	430.3	436.4	1.4%	41.0%
Middle distillates	266.8	260.7	266.6	273.3	287.6	287.4	300.7	309.8	312.3	320.9	330.8	3.1%	31.1%
Fuel oil	99.4	93.3	89.5	86.6	86.6	73.2	74.0	73.9	82.4	77.4	83.3	7.5%	7.8%
Others	182.6	183.2	195.3	194.5	203.7	197.4	209.1	212.2	209.7	224.0	214.1	-4.4%	20.1%
Total North America	927.3	910.8	928.3	937.5	966.3	955.5	989.0	1007.4	1028.4	1052.6	1064.6	1.1%	100.0%
of which: USA													
Gasolines	329.5	324.2	331.2	335.5	339.3	345.5	352.6	358.4	369.4	375.3	380.5	1.4%	42.4%
Middle distillates	230.5	225.3	228.9	234.7	246.3	248.6	259.4	266.5	268.6	276.0	284.1	2.9%	31.7%
Fuel oil	67.2	63.0	59.4	58.3	55.1	45.8	45.7	42.7	47.7	44.7	49.1	9.9%	5.5%
Others	154.6	153.1	162.7	160.8	169.1	167.8	178.8	180.4	178.1	192.9	183.7	-4.8%	20.4%
Total USA	781.8	765.6	782.2	789.3	809.8	807.7	836.5	848.0	863.8	888.9	897.4	1.0%	100.0%
S. & Cent. America													
Gasolines	41.0	42.2	42.5	44.3	47.7	49.9	51.7	54.5	55.2	55.1	55.0	-0.1%	25.2%
Middle distillates	56.7	58.9	62.1	64.1	68.1	71.7	74.8	78.7	82.4	81.9	83.3	1.8%	38.1%
Fuel oil	39.8	38.4	36.7	37.1	37.9	39.0	40.8	43.4	44.3	43.2	43.1	-0.2%	19.7%
Others	28.6	28.9	34.5	33.4	32.3	33.2	34.4	35.5	36.6	36.5	37.2	1.9%	17.0%
Total S. & Cent. America	166.1	168.4	175.8	178.9	186.0	193.8	201.7	212.1	218.5	216.7	218.6	0.9%	100.0%
Europe													
Gasolines	181.2	179.4	181.4	178.6	177.3	180.4	182.0	183.9	185.2	186.4	181.4	-2.7%	24.1%
Middle distillates	272.7	279.6	282.0	284.2	284.7	292.5	308.4	310.7	320.7	323.3	325.3	0.6%	43.2%
Fuel oil	138.5	133.5	130.3	128.3	124.2	124.3	123.4	120.1	119.4	113.9	108.3	-4.9%	14.4%
Others	117.7	118.0	120.8	120.9	124.7	126.2	127.7	134.1	135.4	134.2	137.8	2.7%	18.3%
Total Europe	710.1	710.5	714.5	712.0	710.9	723.4	741.5	748.8	760.7	757.8	752.8	-0.7%	100.0%
Middle East													
Gasolines	23.8	23.6	26.7	27.4	30.4	32.9	33.9	35.7	35.9	36.5	37.2	1.9%	17.8%
Middle distillates	56.7	56.8	56.4	58.8	63.5	68.7	71.2	71.2	71.6	74.0	73.6	-0.6%	35.2%
Fuel oil	58.5	65.9	62.3	60.1	61.2	62.1	65.4	65.5	62.2	66.0	68.3	3.6%	32.7%
Others	25.6	23.1	26.9	29.3	28.0	26.5	27.8	28.6	29.9	30.5	29.8	-2.4%	14.3%
Total Middle East	164.6	169.4	172.3	175.6	183.1	190.2	198.3	201.0	199.6	207.0	208.9	0.9%	100.0%
Africa													
Gasolines	21.0	21.8	22.3	22.7	23.2	23.9	23.9	24.1	24.6	24.8	25.2	1.3%	21.5%
Middle distillates	37.3	37.7	38.5	39.4	40.3	41.6	43.0	44.0	45.4	47.2	48.6	3.1%	41.6%
Fuel oil	23.1	23.2	23.5	22.9	23.1	24.2	24.8	26.1	27.4	27.7	26.3	-5.2%	22.5%
Others	13.4	12.9	13.3	13.6	14.3	14.6	14.9	15.3	15.7	16.2	16.7	3.4%	14.4%
Total Africa	94.8	95.6	97.6	98.6	100.9	104.3	106.6	109.5	113.1	115.9	116.8	0.8%	100.0%
Asia Pacific (including China and Japan)													
Gasolines	131.9	138.1	150.3	158.0	169.9	182.8	192.8	209.9	211.1	223.5	233.1	4.3%	24.1%
Middle distillates	238.8	251.9	271.8	290.2	301.9	324.2	346.2	358.2	346.4	366.2	378.9	3.5%	39.1%
Fuel oil	183.7	189.2	196.7	194.8	209.4	207.7	206.7	207.9	193.3	193.1	190.2	-1.5%	19.6%
Others	99.0	102.7	109.5	114.0	127.3	136.5	144.0	146.0	147.0	158.7	166.4	4.8%	17.2%
Total Asia Pacific	653.4	681.9	728.3	757.0	808.5	851.2	889.7	922.0	897.8	941.5	968.6	2.9%	100.0%
China													
Gasolines	26.0	27.6	30.6	34.5	36.4	38.8	42.4	47.7	47.1	50.0	56.4	12.9%	24.9%
Middle distillates	29.6	33.1	38.4	43.5	42.6	48.3	52.5	58.2	61.9	70.5	80.5	14.2%	35.5%
Fuel oil	34.4	36.0	36.8	39.5	36.2	36.4	39.3	40.9	39.5	37.8	38.9	2.9%	17.1%
Others	20.3	21.3	23.3	22.9	34.4	37.1	40.2	38.8	41.7	48.9	51.1	4.4%	22.5%
Total China	110.3	118.0	129.1	140.4	149.6	160.6	174.4	185.6	190.2	207.2	226.9	9.5%	100.0%
Japan													
Gasolines	51.0	52.8	55.9	56.4	60.1	64.5	65.9	68.6	67.1	70.9	71.7	1.1%	28.3%
Middle distillates	83.1	86.5	88.4	89.6	92.1	95.3	98.2	96.2	94.2	95.6	94.5	-1.1%	37.3%
Fuel oil	71.0	68.9	68.4	60.0	69.7	61.2	57.7	52.7	47.4	46.5	43.5	-6.3%	17.2%
Others	42.6	43.9	44.8	45.9	45.5	46.5	47.0	47.5	44.8	44.3	43.7	-1.4%	17.2%
Total Japan	247.7	252.1	257.5	251.9	267.4	267.5	268.8	265.0	253.5	257.3	253.4	-1.5%	100.0%
World excl. FSU													
Gasolines	777.4	778.7	800.1	814.1	836.9	867.4	889.5	919.6	936.0	956.6	968.3	1.2%	29.1%
Middle distillates	929.0	945.6	977.4	1010.0	1046.1	1086.1	1144.3	1172.6	1178.8	1213.5	1240.5	2.2%	37.3%
Fuel oil	543.0	543.5	539.0	529.8	542.4	530.5	535.1	536.9	529.0	521.3	519.5	-0.3%	15.6%
Others	466.9	468.8	500.3	505.7	530.3	534.4	557.9	571.7	574.3	600.1	602.0	0.3%	18.0%
Total World excl. FSU	2716.3	2736.6	2816.8	2859.6	2955.7	3018.4	3126.8	3200.8	3218.1	3291.5	3330.3	1.2%	100.0%
OECD													
Gasolines	626.3	624.6	637.9	644.4	655.0	672.9	685.4	702.5	715.8	728.6	731.5	0.4%	33.5%
Middle distillates	639.7	649.5	663.4	677.5	698.8	714.0	749.4	760.4	761.0	778.1	788.0	1.3%	36.1%
Fuel oil	307.9	302.4	301.7	289.5	299.3	277.8	274.2	266.4	262.3	253.7	252.4	-0.5%	11.6%
Others	345.2	349.8	370.2	372.1	385.0	381.7	396.5	407.4	403.0	417.7	413.0	-1.1%	18.8%
Total OECD	1919.1	1926.3	1973.2	1983.5	2038.1	2046.4	2105.5	2136.7	2142.1	2178.1	2184.9	0.3%	100.0%
European Union 15													
Gasolines	153.0	153.5	155.9	152.9	150.8	152.4	153.2	154.2	154.9	155.4	151.8	-2.3%	24.1%
Middle distillates	228.1	239.8	241.7	243.6	244.5	250.6	264.0	266.7	274.7	278.5	280.8	0.8%	44.5%
Fuel oil	102.7	101.1	103.1	100.3	97.9	97.6	95.9	92.8	94.4	90.3	84.6	-6.3%	13.4%
Others	96.2	98.9	103.7	102.1	105.7	105.7	105.9	110.0	111.0	111.6	113.3	1.6%	18.0%
Total European Union 15	580.0	593.3	604.4	598.9	598.9	606.3	619.0	623.7	635.0	635.8	630.5	-0.8%	100.0%
Other EMEs													
Gasolines	142.6	146.5	155.3	162.9	175.2	186.8	196.2	208.8	211.7	219.8	228.9	4.1%	20.6%
Middle distillates	276.1	285.8	303.5	322.5	338.3	362.2	383.9	401.3	406.6	425.3	442.6	4.1%	39.8%
Fuel oil	214.6	224.4	224.6	227.2	231.5	240.5	248.4	258.6	256.3	257.7	257.3	-0.1%	23.1%
Others	112.2	111.2	124.8	128.2	139.7	146.5	155.7	157.3	164.8	177.1	183.8	3.8%	16.5%
Total Other EMEs†	745.5	767.9	808.2	840.8	884.7	936.0	984.2	1026.0	1039.4	1079.9	1112.6	3.0%	100.0%

†Excludes Central Europe and Former Soviet Union.

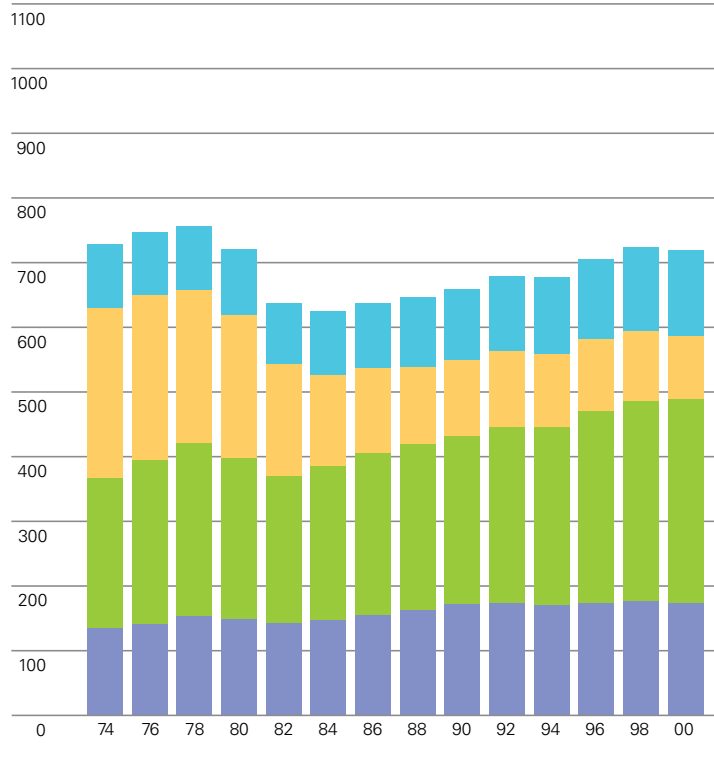
Note: 'Gasolines' consists of aviation and motor gasolines and light distillate feedstock (LDF). 'Middle distillates' consists of jet and heating kerosenes, and gas and diesel oils (including marine bunkers). 'Fuel oil' includes marine bunkers. 'Others' consists of refinery gas, LPGs, solvents, petroleum coke, lubricants, bitumen, wax and refinery fuel and loss.

Regional consumption – by product group

North America (million tonnes)

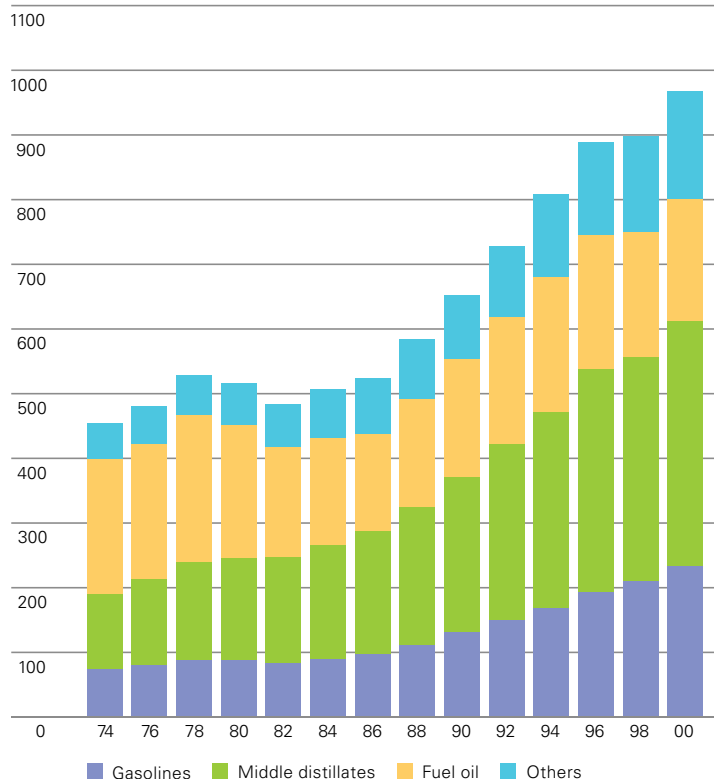


OECD Europe (million tonnes)

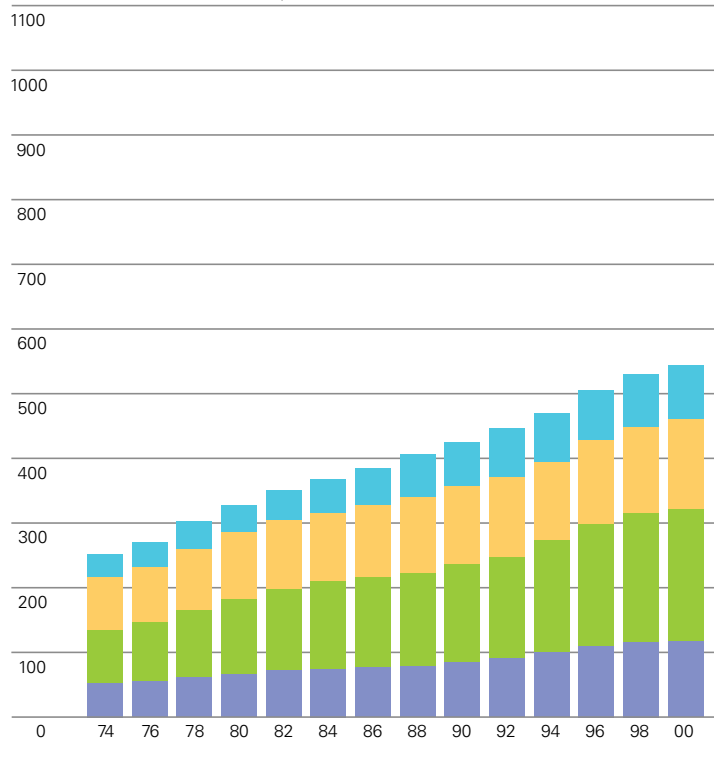


Middle distillates have been the fastest-growing product group in both North America and Europe for the last 10 years, although gasoline remains the dominant oil product in North America. OECD fuel oil use fell slightly in 2000, despite a 7.5% increase in North American fuel oil consumption in reaction to high natural gas prices.

Asia Pacific (million tonnes)



Non-Asian EMEs excl. Central Europe and FSU (million tonnes)



Asian and non-Asian EME demand growth has been heavily biased towards gasoline and middle distillates.

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	28.66	28.14	29.39
1985	27.53	27.51	27.75	27.99
1986	12.95	14.38	14.45	15.04
1987	16.92	18.42	18.40	19.19
1988	13.19	14.96	14.99	15.97
1989	15.68	18.20	18.30	19.68
1990	20.50	23.81	23.85	24.50
1991	16.56	20.05	20.11	21.54
1992	17.21	19.37	19.61	20.57
1993	14.90	17.07	17.41	18.45
1994	14.76	15.98	16.25	17.21
1995	16.09	17.18	17.26	18.42
1996	18.56	20.80	21.16	22.16
1997	18.13	19.30	19.33	20.61
1998	12.16	13.11	12.62	14.39
1999	17.30	18.25	18.00	19.31
2000	26.24	28.98	28.42	30.37

*1972-1985 Arabian Light, 1986-2000 Dubai.

†1976-1984 Forties, 1985-2000 Brent.

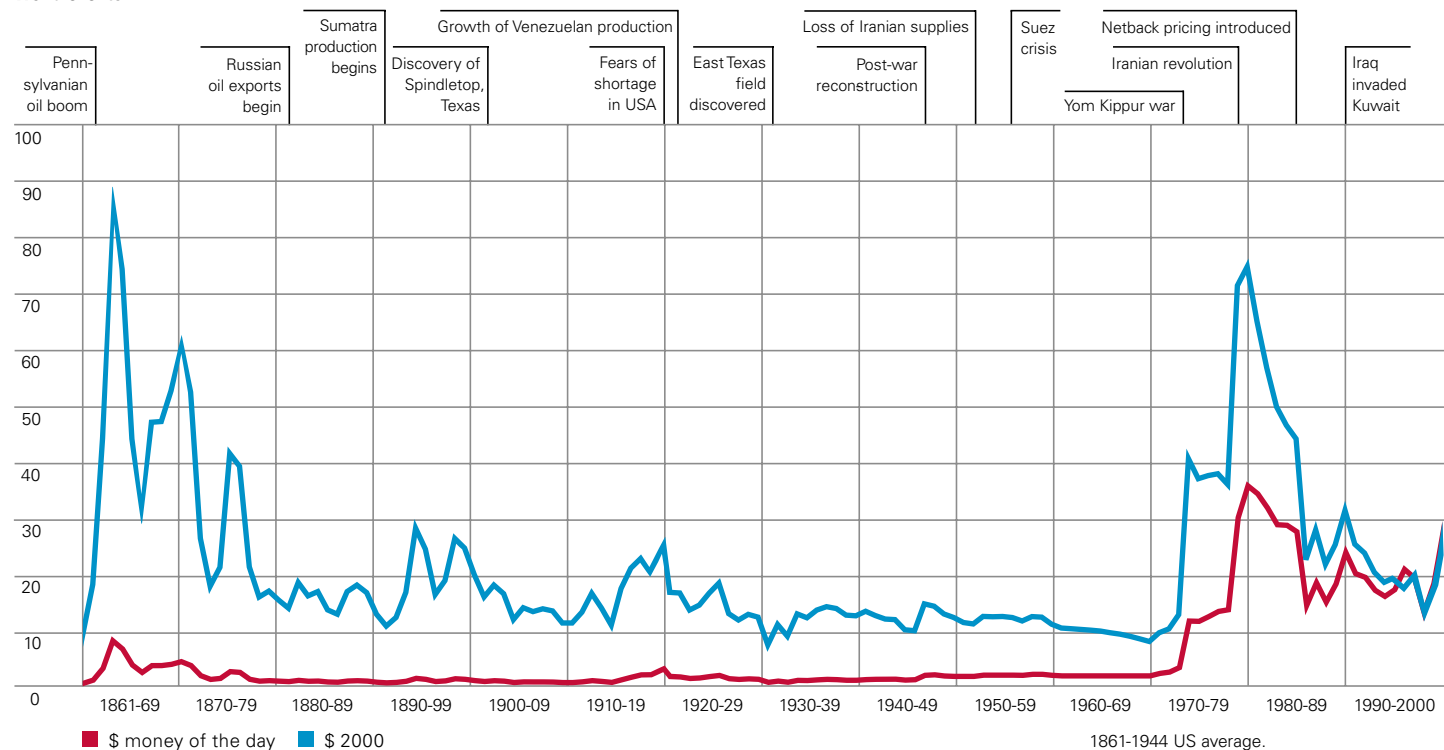
‡1976-1983 Posted WTI prices, 1984-2000 Spot WTI prices.

Source: Platts.

Crude oil prices since 1861

US dollars per barrel

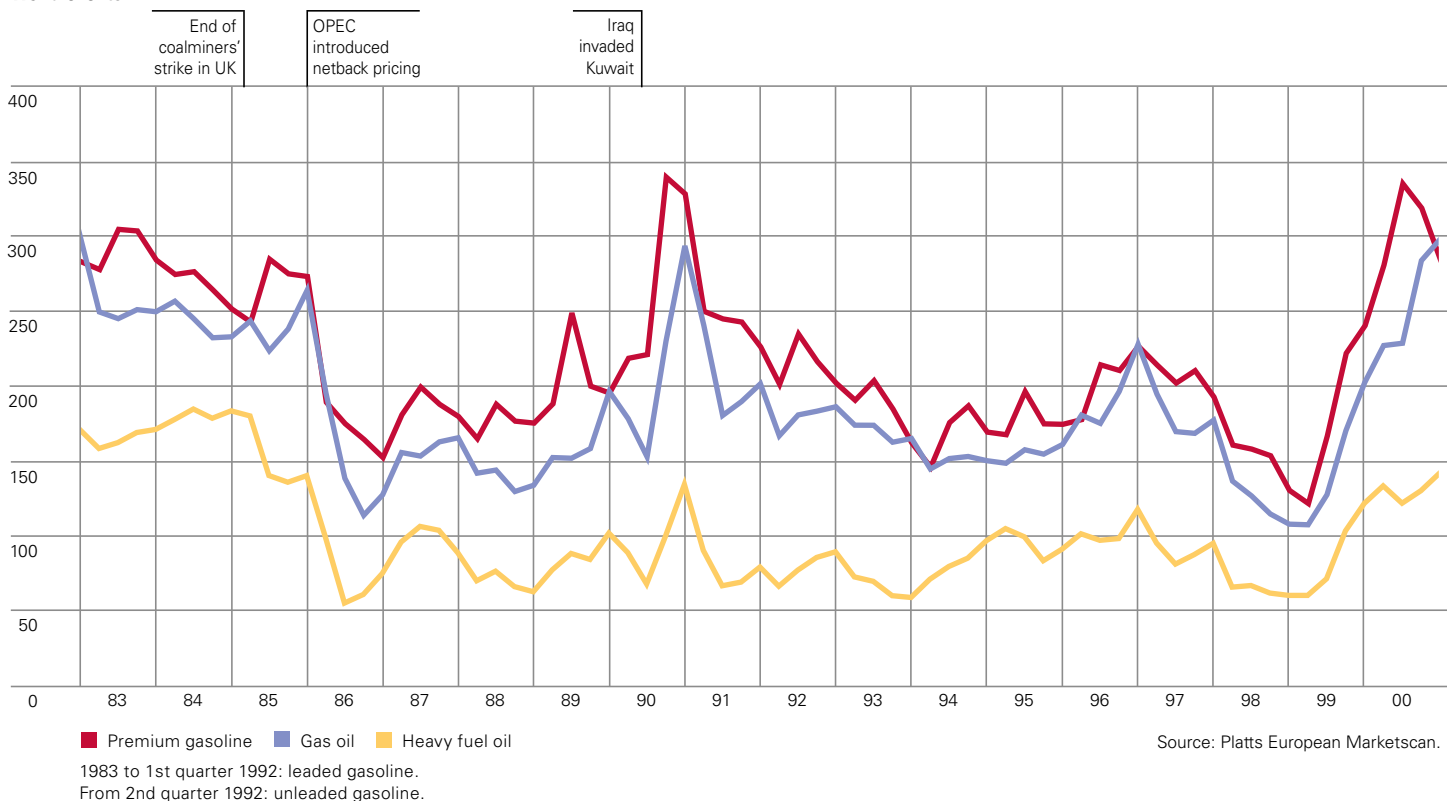
World events



Rotterdam product prices

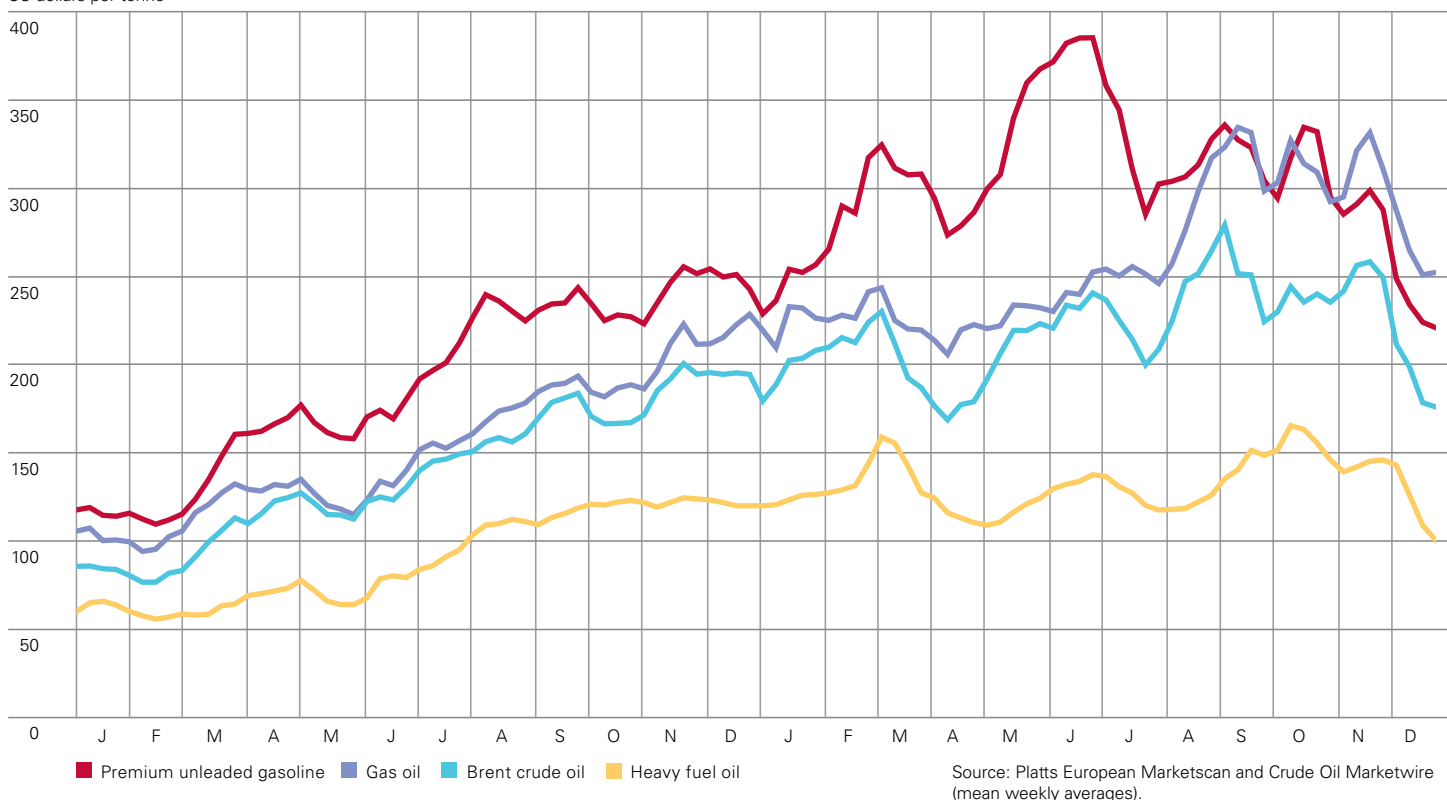
US dollars per tonne

World events



Spot crude and Rotterdam product prices 1999 and 2000

US dollars per tonne



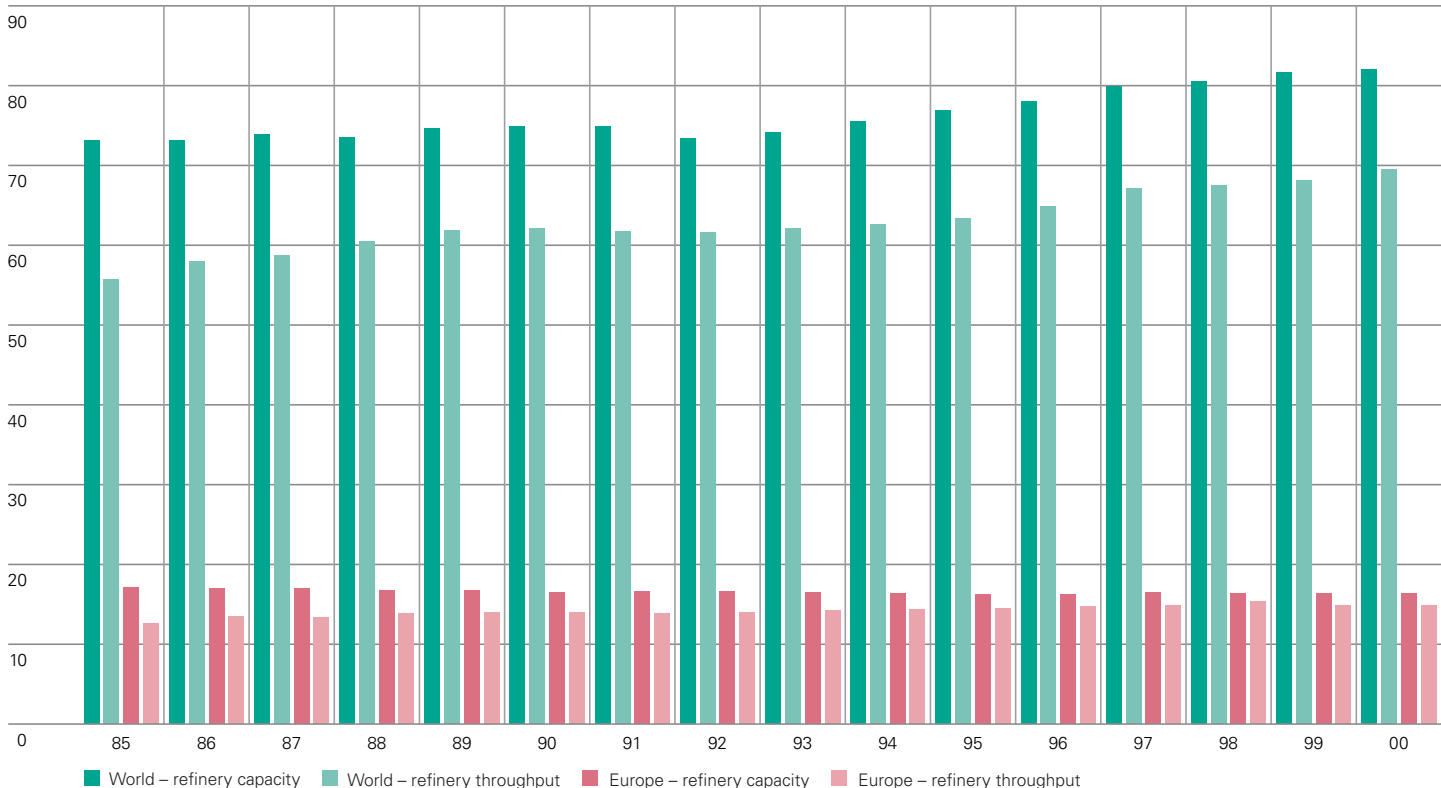
oil	natural gas	coal	nuclear energy	hydroelectricity	primary energy								
Refinery capacities												Change 2000 over 1999	2000 share of total
Thousand barrels daily*	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
USA	15680	15700	15120	15030	15435	15335	15450	15710	16260	16510	16595	0.5%	20.2%
Canada	1920	1905	1910	1825	1830	1790	1805	1810	1845	1860	1860	–	2.3%
Mexico	1595	1450	1450	1445	1445	1445	1445	1450	1450	1450	1480	2.2%	1.8%
Total North America	19195	19055	18480	18300	18710	18570	18700	18970	19555	19820	19935	0.6%	24.3%
Argentina	695	695	710	710	665	660	665	665	655	660	640	–3.5%	0.8%
Brazil	1440	1445	1445	1430	1475	1480	1480	1740	1740	1775	1775	–	2.2%
Netherlands Antilles & Aruba	310	460	460	465	485	505	520	545	545	545	545	–	0.7%
Trinidad & Tobago	255	255	255	260	260	260	160	160	160	160	160	–	0.2%
Venezuela	1225	1225	1225	1180	1180	1180	1185	1185	1185	1185	1285	8.4%	1.6%
Other S. & Cent. America	2060	1995	2045	2065	2025	2125	2135	2190	2090	2075	2085	0.6%	2.5%
Total S. & Cent. America	5985	6075	6140	6110	6090	6210	6145	6485	6375	6400	6490	1.4%	8.0%
Belgium	705	705	690	690	690	690	690	700	730	735	770	4.6%	0.9%
France	1700	1700	1710	1685	1695	1730	1750	1870	1920	1935	1985	2.6%	2.4%
Germany	2025	2210	2220	2250	2270	2105	2100	2170	2205	2240	2260	1.0%	2.8%
Greece	360	360	360	365	365	365	365	365	370	370	370	–	0.5%
Italy	2300	2420	2435	2360	2270	2270	2255	2240	2270	2290	2290	–	2.8%
Netherlands	1205	1225	1255	1195	1195	1195	1170	1195	1195	1210	1210	–	1.5%
Norway	320	320	320	330	330	295	290	300	305	350	305	–13.4%	0.4%
Portugal	290	290	290	290	290	290	290	290	290	290	290	–	0.4%
Spain	1265	1255	1230	1245	1205	1215	1230	1265	1245	1245	1245	–	1.5%
Sweden	415	420	420	420	420	420	420	420	420	420	420	–	0.5%
Turkey	675	675	670	675	675	675	670	675	645	645	645	–	0.8%
United Kingdom	1850	1825	1835	1845	1865	1845	1875	1825	1850	1775	1785	0.3%	2.2%
Other Europe	3315	3190	3225	3135	3075	3095	3130	3105	2935	2795	2815	0.8%	3.4%
Total Europe	16425	16595	16660	16485	16345	16190	16235	16420	16380	16300	16390	0.5%	20.1%
Total Former Soviet Union	12310	12310	10090	10085	10215	10300	10340	10410	9990	9000	9000	–	11.0%
Bahrain	250	250	250	250	250	250	250	250	250	250	250	–	0.3%
Iran	775	955	955	1090	1090	1235	1330	1380	1450	1450	1450	–	1.8%
Iraq	595	350	585	635	635	635	635	635	635	635	635	–	0.8%
Kuwait	540	140	380	455	720	795	825	880	895	895	895	–	1.1%
Saudi Arabia	1750	1750	1550	1550	1670	1670	1670	1695	1780	1810	1810	–	2.2%
Other Middle East	1040	1015	1005	1005	1015	1090	1100	1165	1165	1310	1315	0.6%	1.6%
Total Middle East	4950	4460	4725	4985	5380	5675	5810	6005	6175	6350	6355	0.1%	7.8%
Total Africa	2690	2705	2730	2820	2805	2820	2870	2880	2905	2910	2965	1.9%	3.6%
Australasia	750	765	780	790	795	820	850	890	915	920	920	–	1.1%
China	2890	2890	3045	3335	3565	4015	4225	4560	4590	5400	5425	0.5%	6.6%
India	1120	1120	1040	1070	1070	1135	1210	1235	1355	2190	2220	1.3%	2.7%
Indonesia	750	785	785	785	895	885	885	930	930	930	930	–	1.1%
Japan	4325	4505	4635	4800	4860	5005	5005	5055	5090	5110	5030	–1.6%	6.1%
Singapore	1060	1085	1115	1160	1160	1275	1245	1245	1245	1245	1255	0.7%	1.5%
South Korea	800	985	1370	1590	1615	1725	1915	2315	2315	2315	2315	–	2.8%
Other Asia Pacific	1585	1595	1785	1835	1965	2285	2545	2550	2705	2745	2745	–	3.3%
Total Asia Pacific	13280	13730	14555	15365	15925	17145	17880	18780	19145	20855	20840	–0.1%	25.2%
TOTAL WORLD	74835	74930	73380	74150	75470	76910	77980	79950	80525	81635	81975	0.4%	100.0%
of which: OECD	39725	40235	40205	40345	40820	40785	41180	42110	42935	43310	43420	0.2%	53.0%
Other EMEs†	21045	20720	21365	22095	22930	24300	24935	25885	26280	28170	28385	0.8%	34.6%

*Atmospheric distillation capacity on a calendar-day basis.

†Excludes Central Europe and Former Soviet Union.

Refinery capacities and throughputs

Million barrels daily



World refinery capacity has grown by 10% since 1990. Since throughputs have increased by 12%, global crude distillation unit (CDU) utilization has improved from 83% in 1990 to 85% in 2000. At the same time, refinery configurations have become more complex, capable of producing lighter and cleaner fuels.

Refinery throughputs

Thousand barrels daily*	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
USA	13410	13300	13410	13615	13865	13975	14195	14660	14890	14805	15080	1.9%	21.7%
Canada	1585	1490	1460	1540	1580	1570	1645	1695	1710	1715	1770	3.2%	2.5%
Mexico	1490	1510	1495	1540	1460	1490	1490	1440	1450	1390	1365	-1.8%	2.0%
S. & Cent. America	4670	4645	4625	4695	4850	4850	4995	5240	5445	5460	5525	1.1%	7.9%
Europe	13920	13810	14005	14270	14395	14450	14695	14860	15335	14835	14880	0.3%	21.4%
Former Soviet Union	9150	8820	7155	5925	5075	4890	4625	4735	4480	4470	4560	2.0%	6.6%
Middle East	4390	3920	4355	4815	5275	5230	5385	5535	5710	5980	5800	-3.0%	8.3%
Africa	2270	2275	2295	2320	2265	2380	2380	2460	2295	2415	2445	1.2%	3.5%
Australasia	715	745	745	755	785	790	845	870	865	880	880	-	1.3%
China	2155	2280	2425	2570	2550	2710	2850	3085	3060	3685	4220	14.4%	6.1%
Japan	3435	3655	3880	3980	4165	4170	4170	4320	4210	4150	4145	-0.1%	6.0%
Other Asia Pacific	4885	5270	5715	6050	6315	6820	7545	8215	8040	8340	8840	6.0%	12.7%
TOTAL WORLD	62075	61720	61565	62075	62580	63325	64820	67115	67490	68125	69510	2.0%	100.0%
of which: OECD	34285	34880	35820	36550	37090	37415	38325	39570	40035	39565	39940	0.9%	57.5%
Other EMEs†	17525	17265	18025	18960	19715	20260	21185	22140	22285	23490	24395	3.8%	35.1%

*Calendar day.

†Excludes Central Europe and Former Soviet Union.

Source: Includes data from Parpinelli Tecnol.

Trade movements

Thousand barrels daily	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
Imports													
USA	8026	7791	7888	8620	8929	8831	9400	9907	10382	10550	11092	5.1%	26.0%
Western Europe	9801	10171	10319	10399	9840	9567	9539	9413	9971	9731	10066	3.4%	23.6%
Japan	4802	4925	5306	5307	5612	5581	5685	5735	5259	5346	5329	-0.3%	12.5%
Rest of World*	8812	9451	9884	10774	11671	12797	13994	15043	14776	15421	16179	4.9%	37.9%
TOTAL WORLD	31441	32338	33397	35100	36052	36776	38618	40098	40388	41048	42666	3.9%	100.0%
Exports													
USA	889	1000	918	959	943	949	978	976	1011	956	890	-6.9%	2.1%
Canada	955	1111	1101	1215	1323	1402	1484	1492	1603	1520	1703	12.0%	4.0%
Mexico	1387	1468	1469	1434	1421	1422	1656	1767	1770	1739	1814	4.3%	4.3%
South & Central America	2367	1953	2374	2391	2695	2797	3011	3219	3240	3145	3079	-2.1%	7.2%
FSU† & Central Europe	2659	1860	-	-	-	-	-	-	-	-	-	-	-
Former Soviet Union	n/a	n/a	2211	2436	2531	2731	3239	3413	3569	4019	4273	6.3%	10.0%
Central Europe	n/a	n/a	87	155	130	117	92	142	121	150	121	-19.3%	0.3%
Middle East	14212	13829	15453	16456	16513	16651	17170	18184	18702	18341	18944	3.3%	44.4%
North Africa	2604	2781	2849	2685	2652	2696	2756	2743	2712	2726	2732	0.2%	6.4%
West Africa	2248	2500	2679	2676	2675	2723	2916	3102	3094	2985	3293	10.3%	7.7%
Asia Pacific‡	2182	2257	2414	2420	2517	2576	2790	2735	2490	2650	2767	4.4%	6.5%
Rest of World*	1938	3579	1842	2273	2652	2712	2526	2325	2076	2817	3050	8.3%	7.1%
TOTAL WORLD	31441	32338	33397	35100	36052	36776	38618	40098	40388	41048	42666	3.9%	100.0%

*Includes unidentified trade.
†Former Soviet Union.
‡Excludes Japan.
n/a not available.
Note: Movements between FSU and Central Europe are included from 1992 onwards.

Inter-area movements 2000

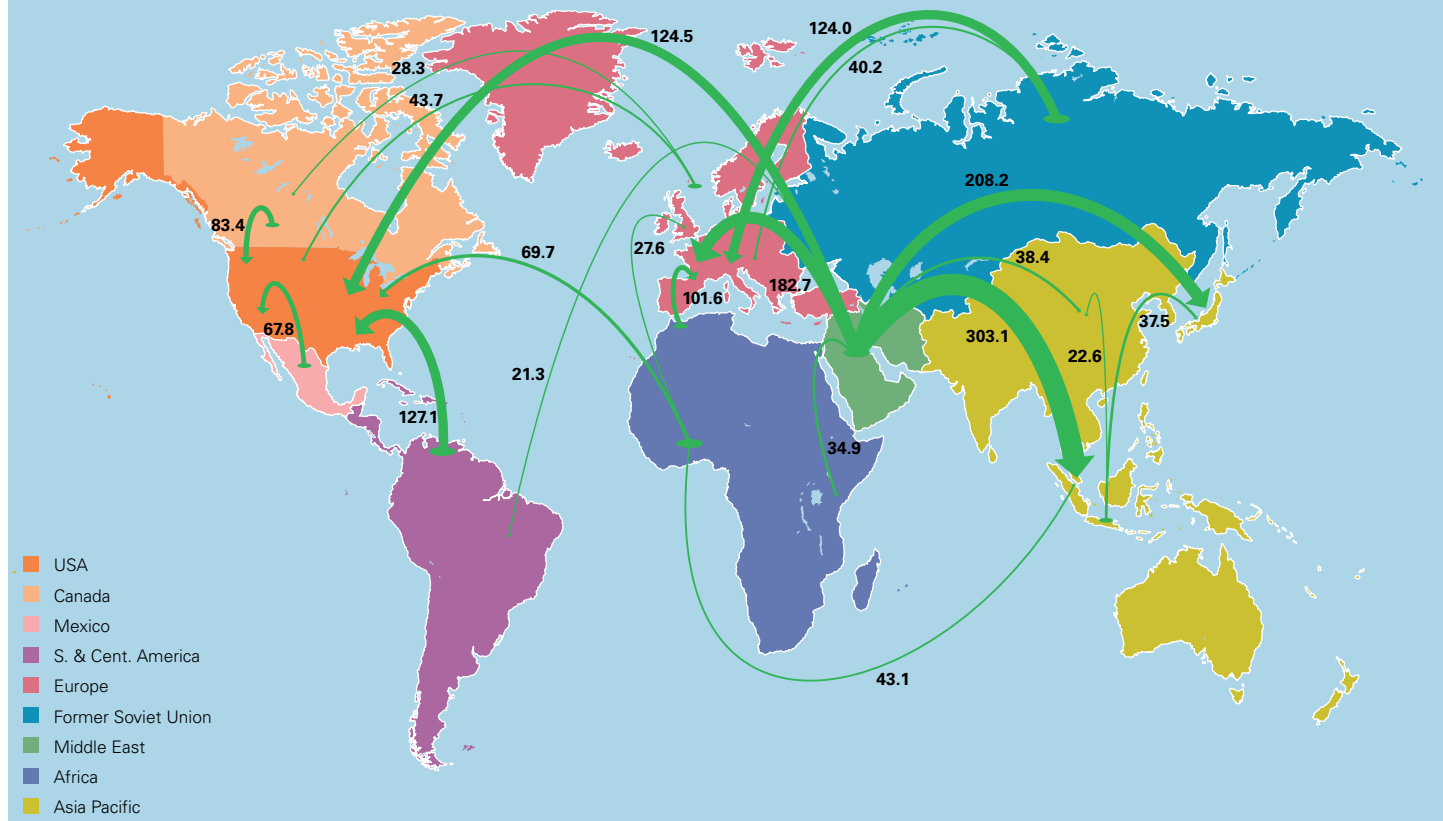
From	To													Total
	USA	Canada	Mexico	S. & C. America	Western Europe	Central Europe	Africa	Austral- asia	China	Japan	Other Asia Pacific	Rest of World	Uniden- tified	
From														
USA	-	4.9	12.8	7.8	10.1	-	0.3	0.4	0.2	1.7	3.8	0.8	-	42.8
Canada	83.4	-	-	0.2	0.6	-	-	-	-	-	-	-	-	84.2
Mexico	67.8	1.3	-	8.4	10.1	-	0.2	-	-	2.1	0.3	0.2	-	90.4
South & Central America	127.1	6.2	1.0	-	12.3	0.2	0.6	0.2	0.4	0.2	3.6	-	-	151.8
Western Europe	43.7	28.3	0.2	1.4	-	9.5	8.4	0.1	2.6	0.3	6.9	2.3	-	103.7
Former Soviet Union	3.2	-	-	8.1	124.0	40.2	0.5	-	4.7	0.3	7.3	2.3	20.0	210.6
Central Europe	-	-	-	-	3.2	-	-	-	-	-	0.1	2.5	-	5.8
Middle East	124.5	5.2	0.9	21.3	182.7	9.8	34.9	10.1	38.4	208.2	303.1	2.5	-	941.6
North Africa	11.0	3.8	2.6	1.3	101.6	3.0	3.5	-	0.2	0.6	4.2	3.2	-	135.0
West Africa	69.7	1.1	-	6.3	27.6	0.1	2.2	-	13.4	0.8	43.1	-	-	164.3
East & Southern Africa	-	-	-	-	0.2	-	-	-	3.3	1.3	1.5	-	-	6.3
Australasia	2.4	-	-	-	-	-	-	-	1.5	4.7	13.6	-	-	22.2
China	2.2	-	-	0.2	0.1	-	0.2	0.4	-	6.1	8.0	0.1	-	17.3
Japan	0.6	-	-	-	0.1	-	-	0.4	0.6	-	2.2	-	-	3.9
Other Asia Pacific	8.9	0.1	-	0.1	1.3	-	-	15.0	22.6	37.5	9.9	0.8	-	96.2
Unidentified*	5.1	2.2	-	-	24.8	-	-	2.3	0.4	0.3	0.7	-	-	35.8
TOTAL IMPORTS	549.6	53.1	17.5	55.1	498.7	62.8	50.8	28.9	88.3	264.1	408.3	14.7	20.0	2111.9

Thousand barrels daily	USA	Canada	Mexico	S. & C. America	Western Europe	Central Europe	Africa	Austral- asia	China	Japan	Other Asia Pacific	Rest of World	Uniden- tified	Total
From														
USA	-	101	267	163	211	-	6	8	4	35	78	17	-	890
Canada	1686	-	-	4	12	-	-	-	-	-	-	-	-	1703
Mexico	1360	26	-	169	202	-	4	-	-	42	6	4	-	1814
South & Central America	2576	126	21	-	250	4	12	4	8	4	73	-	-	3079
Western Europe	888	568	4	29	-	197	175	2	52	6	141	48	-	2110
Former Soviet Union	66	-	-	162	2511	806	10	-	96	6	150	47	417	4273
Central Europe	-	-	-	-	67	-	-	-	-	-	2	52	-	121
Middle East	2496	104	19	427	3666	198	705	203	770	4189	6115	52	-	18944
North Africa	229	76	54	26	2050	60	71	-	4	12	85	64	-	2732
West Africa	1398	22	-	126	553	2	44	-	268	16	863	-	-	3293
East & Southern Africa	-	-	-	-	4	-	-	-	66	26	30	-	-	126
Australasia	48	-	-	-	-	-	-	-	30	95	275	-	-	449
China	44	-	-	4	2	-	4	8	-	123	164	2	-	352
Japan	13	-	-	-	2	-	-	8	13	-	46	-	-	81
Other Asia Pacific	182	2	-	2	27	-	-	302	464	768	202	17	-	1966
Unidentified*	105	44	-	-	509	-	-	47	8	6	14	-	-	733
TOTAL IMPORTS	11092	1070	365	1112	10066	1268	1032	583	1783	5329	8246	303	417	42666

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

Major trade movements

Trade flows worldwide (million tonnes)



Imports and exports 2000

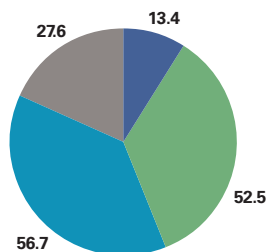
	Million tonnes				Thousand barrels daily			
	Crude imports	Product imports	Crude exports	Product exports	Crude imports	Product imports	Crude exports	Product exports
USA	446.0	103.6	3.2	39.6	8932	2160	64	826
Canada	45.4	7.7	64.4	19.8	909	161	1290	413
Mexico	—	17.5	86.7	3.7	—	365	1736	77
South & Central America	44.6	10.5	104.3	47.5	893	219	2089	990
Western Europe	402.7	96.0	63.7	40.0	8065	2001	1276	834
Former Soviet Union	0.3	5.6	142.9	67.7	6	117	2862	1411
Central Europe	50.7	12.1	0.1	5.7	1015	252	2	119
Middle East	4.2	4.6	835.9	105.7	84	96	16741	2204
North Africa	7.9	5.1	100.3	34.7	158	106	2009	723
West Africa	2.8	7.9	161.5	2.8	56	165	3234	58
East & Southern Africa	22.3	4.8	6.0	0.3	447	100	120	6
Australasia	24.3	4.6	17.2	5.0	487	96	344	104
China	70.3	18.0	10.4	6.9	1408	375	208	144
Japan	215.0	49.1	0.1	3.8	4306	1024	2	79
Other Asia Pacific	324.2	84.1	48.2	48.0	6493	1753	965	1001
Unidentified*	—	20.0	15.8	20.0	—	417	316	417
TOTAL WORLD	1660.7	451.2	1660.7	451.2	33259	9406	33259	9406

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

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

Distribution of
reserves 2000

Trillion cubic metres



	Trillion cubic metres	%
OECD	13.4	8.9
Middle East	52.5	35.0
Former Soviet Union	56.7	37.8
Rest of World	27.6	18.3

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/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 level.

Source of data

With the exception of Azerbaijan, the estimates contained in this table are those published by the Oil and Gas Journal.

Trillion equals one million million (10¹²). 1 trillion cubic feet of natural gas = 26 million tonnes of oil (approximately).

Proved reserves

	At end 1980 Trillion cubic metres	At end 1990 Trillion cubic metres	At end 1999 Trillion cubic metres	Trillion cubic metres	At end 2000 Trillion cubic feet	Share of total	R/P ratio
USA	5.41	4.71	4.65	4.74	167.4	3.2%	8.7
Canada	2.47	2.76	1.81	1.73	61.0	1.1%	10.3
Mexico	1.83	2.06	0.85	0.86	30.4	0.6%	24.0
Total North America	9.71	9.53	7.31	7.33	258.8	4.9%	9.8
Argentina	0.62	0.77	0.69	0.75	26.4	0.5%	20.1
Bolivia	0.12	0.12	0.12	0.52	18.3	0.3%	*
Brazil	0.04	0.11	0.23	0.23	8.2	0.2%	30.1
Colombia	0.17	0.13	0.20	0.20	6.9	0.1%	33.2
Ecuador	0.11	0.11	0.10	0.10	3.7	0.1%	*
Trinidad & Tobago	0.34	0.25	0.56	0.60	21.4	0.4%	48.2
Venezuela	1.19	2.99	4.04	4.16	146.8	2.8%	*
Other S. & Cent. America	0.10	0.32	0.37	0.37	12.9	0.2%	*
Total S. & Cent. America	2.69	4.80	6.31	6.93	244.6	4.6%	71.8
Denmark	0.11	0.13	0.10	0.10	3.4	0.1%	11.9
Germany	0.17	0.35	0.34	0.33	11.5	0.2%	19.3
Hungary	n/a	0.12	0.08	0.08	2.9	0.1%	28.4
Italy	0.10	0.33	0.23	0.23	8.1	0.2%	13.6
Netherlands	1.76	1.72	1.77	1.77	62.5	1.2%	26.9
Norway	1.21	1.72	1.17	1.25	44.0	0.8%	23.8
Romania	n/a	0.13	0.37	0.37	13.2	0.2%	27.6
United Kingdom	0.70	0.56	0.76	0.76	26.8	0.5%	7.0
Other Europe	0.74	0.44	0.33	0.33	11.5	0.2%	26.4
Total Europe	4.79	5.50	5.15	5.22	183.9	3.5%	17.5
Azerbaijan	n/a	n/a	0.85	0.85	30.0	0.6%	*
Kazakhstan	n/a	n/a	1.84	1.84	65.0	1.2%	*
Russian Federation	n/a	n/a	48.14	48.14	1700.0	32.1%	83.7
Turkmenistan	n/a	n/a	2.86	2.86	101.0	1.9%	61.8
Ukraine	n/a	n/a	1.12	1.12	39.6	0.7%	63.1
Uzbekistan	n/a	n/a	1.87	1.87	66.2	1.3%	34.0
Other Former Soviet Union	n/a	n/a	0.02	0.02	0.8	†	52.3
Total Former Soviet Union	26.05	45.31	56.70	56.70	2002.6	37.8%	79.6
Bahrain	0.25	0.18	0.11	0.11	3.9	0.1%	12.8
Iran	13.73	17.00	23.00	23.00	812.3	15.3%	*
Iraq	0.78	2.69	3.11	3.11	109.8	2.1%	*
Kuwait	0.94	1.52	1.49	1.49	52.7	1.0%	*
Oman	0.07	0.20	0.80	0.83	29.3	0.6%	97.9
Qatar	1.70	4.62	8.49	11.15	393.8	7.4%	*
Saudi Arabia	3.18	5.25	5.79	6.05	213.8	4.0%	*
United Arab Emirates	0.59	5.67	6.00	6.01	212.1	4.0%	*
Yemen	–	0.20	0.48	0.48	16.9	0.3%	*
Other Middle East	0.05	0.17	0.25	0.29	10.2	0.2%	67.1
Total Middle East	21.29	37.50	49.52	52.52	1854.8	35.0%	*
Algeria	3.73	3.25	4.52	4.52	159.7	3.0%	50.6
Egypt	0.08	0.35	1.00	1.00	35.2	0.7%	55.2
Libya	0.67	1.22	1.31	1.31	46.4	0.9%	*
Nigeria	1.16	2.47	3.51	3.51	124.0	2.3%	*
Other Africa	0.26	0.78	0.82	0.82	28.9	0.5%	*
Total Africa	5.90	8.07	11.16	11.16	394.2	7.4%	86.2
Australia	0.85	0.44	1.26	1.26	44.6	0.8%	40.6
Bangladesh	0.23	0.36	0.30	0.30	10.6	0.2%	29.1
Brunei	0.21	0.32	0.39	0.39	13.8	0.3%	33.5
China	0.69	1.00	1.37	1.37	48.3	0.9%	49.3
India	0.34	0.71	0.65	0.65	22.8	0.4%	24.8
Indonesia	0.67	2.59	2.05	2.05	72.3	1.4%	32.0
Malaysia	0.42	1.61	2.31	2.31	81.7	1.5%	52.3
Pakistan	0.43	0.55	0.61	0.61	21.6	0.4%	32.3
Papua New Guinea	–	0.23	0.15	0.22	7.9	0.2%	*
Thailand	0.23	0.17	0.35	0.33	11.8	0.2%	18.7
Vietnam	–	–	0.19	0.19	6.8	0.1%	*
Other Asia Pacific	0.21	0.48	0.65	0.65	22.9	0.4%	54.2
Total Asia Pacific	4.28	8.46	10.28	10.33	365.1	6.8%	38.9
TOTAL WORLD	74.71	119.17	146.43	150.19	5304.0	100.0%	61.0
of which: OECD#	15.23	15.08	13.34	13.43	474.3	8.9%	12.6
European Union 15	3.26	3.21	3.25	3.24	114.5	2.2%	14.7

*Over 100 years.

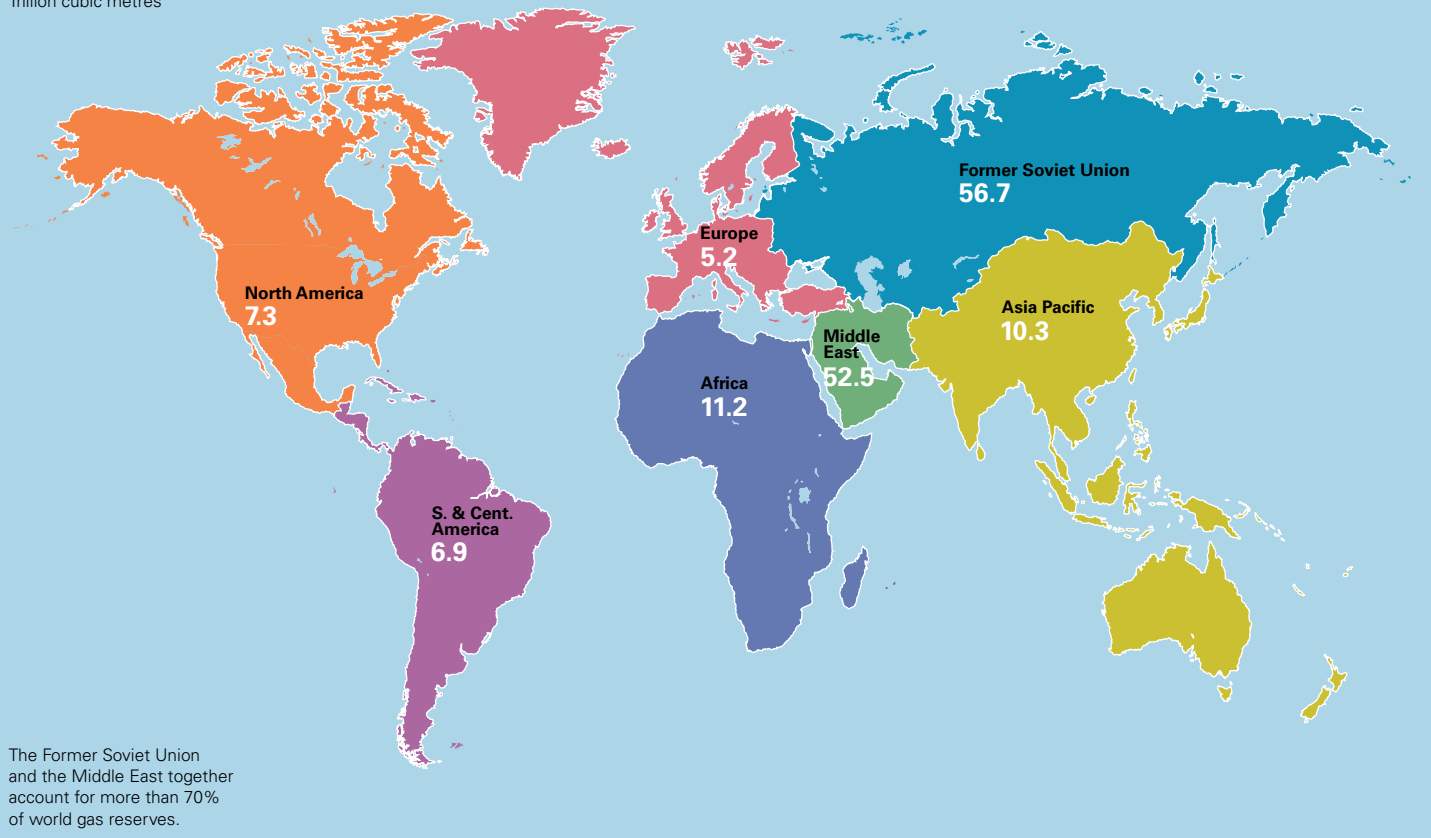
†Less than 0.05.

#1980 & 1990 exclude Central European members.

n/a not available.

Proved reserves at end 2000

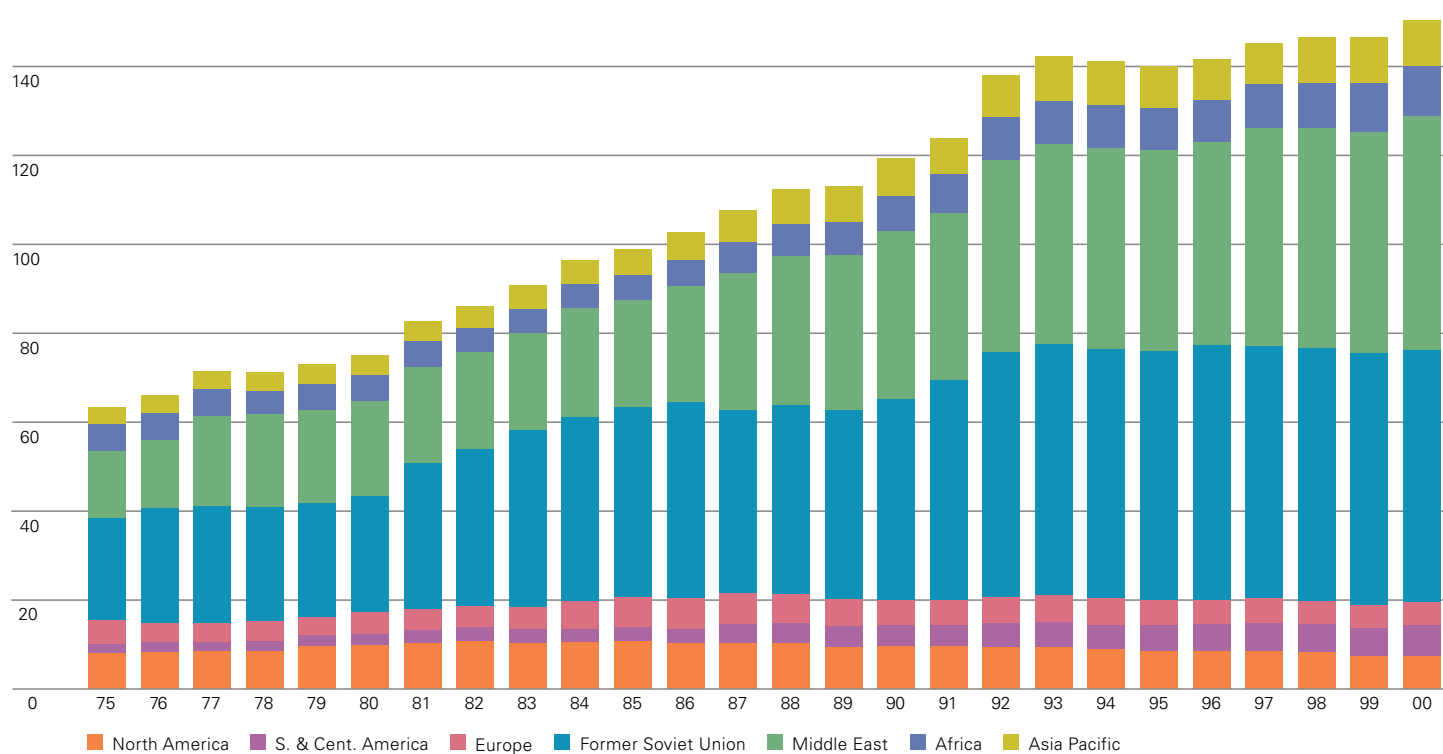
Trillion cubic metres



Proved reserves

Trillion cubic metres

160



oil	natural gas	coal	nuclear energy	hydroelectricity	primary energy								
Production*												Change 2000 over 1999	2000 share of total
Million tonnes oil equivalent	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
USA	462.8	459.4	463.1	468.3	487.6	481.4	488.0	488.8	486.1	482.0	500.0	3.7%	22.9%
Canada	89.4	94.8	104.5	112.9	122.3	133.4	138.2	140.6	144.5	146.0	151.0	3.4%	6.9%
Mexico	24.1	25.1	25.0	25.0	25.8	25.3	28.1	30.4	32.9	33.4	32.3	-3.3%	1.5%
Total North America	576.3	579.3	592.6	606.2	635.7	640.1	654.3	659.8	663.5	661.4	683.3	3.3%	31.3%
Argentina	16.1	17.9	18.1	19.4	20.0	22.5	23.9	24.6	26.6	31.1	33.6	7.9%	1.5%
Bolivia	2.7	2.7	2.7	2.7	3.0	2.8	2.9	2.9	2.8	2.3	3.0	30.0%	0.1%
Brazil	3.4	3.5	3.6	4.0	4.1	4.3	5.0	5.4	5.6	6.4	7.0	8.8%	0.3%
Colombia	3.7	3.7	3.6	3.8	3.7	4.0	4.2	5.3	5.6	4.7	5.3	14.3%	0.3%
Trinidad & Tobago	4.7	5.1	5.4	5.3	5.6	5.5	6.4	6.7	7.8	9.8	11.3	15.3%	0.5%
Venezuela	19.8	19.7	19.5	21.0	22.2	24.8	26.8	27.7	29.1	24.1	24.5	1.6%	1.1%
Other S. & Cent. America	2.1	1.8	2.0	1.9	2.0	2.0	2.0	2.3	2.4	2.4	2.2	-8.3%	0.1%
Total S. & Cent. America	52.5	54.4	54.9	58.1	60.6	65.9	71.2	74.9	79.9	80.8	86.9	7.5%	3.9%
Denmark	2.8	3.6	3.7	4.1	4.4	4.8	5.8	7.1	6.8	7.0	7.3	4.4%	0.3%
Germany	14.3	13.2	13.4	13.4	14.0	14.5	15.7	15.4	15.0	16.1	15.2	-5.4%	0.7%
Hungary	3.8	3.8	3.6	3.9	3.7	3.7	3.6	3.3	3.0	2.6	2.4	-6.2%	0.1%
Italy	15.6	15.7	16.3	17.5	18.6	18.3	18.0	17.3	17.1	15.7	15.1	-4.1%	0.7%
Netherlands	54.5	62.1	62.2	63.0	59.7	60.3	68.2	60.4	57.2	53.3	51.6	-3.3%	2.4%
Norway	25.0	24.6	26.5	26.0	27.7	28.0	36.9	42.0	43.0	45.9	47.2	2.8%	2.2%
Romania	25.5	22.0	19.6	18.5	16.8	16.2	15.5	13.5	12.6	12.6	12.2	-3.3%	0.6%
United Kingdom	40.9	45.6	46.3	54.5	58.2	63.7	75.8	77.3	81.2	89.0	97.3	9.3%	4.5%
Other Europe	12.7	12.9	12.6	13.6	13.0	13.2	12.0	11.5	11.0	10.5	10.8	3.1%	0.5%
Total Europe	195.1	203.5	204.2	214.5	216.1	222.7	251.5	247.8	246.9	252.7	259.1	2.5%	12.0%
Azerbaijan	8.3	7.2	6.6	5.7	5.4	5.5	5.3	5.0	4.7	5.0	4.8	-5.7%	0.2%
Kazakhstan	6.0	6.6	6.8	5.6	3.8	5.0	5.5	6.8	6.9	8.4	9.7	15.6%	0.4%
Russian Federation	538.2	539.8	537.6	518.8	509.8	499.9	505.0	479.3	496.2	495.9	490.5	-1.1%	22.5%
Turkmenistan	73.7	70.8	50.5	54.8	30.0	27.1	29.6	14.5	11.2	19.1	39.5	>100.0%	1.8%
Ukraine	23.6	20.5	17.6	16.1	15.3	15.3	15.4	15.7	15.1	15.2	15.1	-0.4%	0.7%
Uzbekistan	34.3	35.2	35.9	37.8	39.6	40.8	41.1	43.0	46.0	46.7	47.0	0.7%	2.2%
Other Former Soviet Union	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.3	0.4	0.4	0.4	2.2%	†
Total Former Soviet Union	684.6	680.6	655.5	639.2	604.2	593.9	602.1	564.6	580.5	590.7	607.0	2.7%	27.8%
Bahrain	5.2	5.0	5.8	6.2	6.4	6.5	6.7	7.2	7.5	7.6	7.7	1.9%	0.4%
Iran	20.8	23.2	22.5	24.4	28.6	31.8	36.2	42.3	45.0	47.7	54.2	13.8%	2.5%
Kuwait	3.8	0.5	2.4	4.9	5.4	8.4	8.4	8.3	8.5	7.8	8.6	10.5%	0.4%
Oman	2.3	2.4	2.6	2.5	2.6	3.6	3.9	4.5	4.6	4.9	7.6	56.5%	0.4%
Qatar	5.7	6.9	11.4	12.2	12.2	12.2	12.3	15.7	17.6	21.6	25.7	18.8%	1.2%
Saudi Arabia	30.2	31.7	34.4	36.0	38.5	38.6	40.1	41.3	42.0	41.6	42.3	1.7%	1.9%
United Arab Emirates	18.1	21.4	20.0	20.7	23.2	28.2	30.4	32.7	33.4	34.2	35.9	4.7%	1.6%
Other Middle East	5.0	3.1	3.6	3.8	4.4	4.8	5.4	6.5	6.7	7.1	6.7	-5.4%	0.3%
Total Middle East	91.1	94.2	102.7	110.7	121.3	134.1	143.4	158.5	165.3	172.5	188.7	9.4%	8.7%
Algeria	44.3	47.9	49.8	50.5	46.5	52.8	56.1	64.6	68.9	76.6	80.4	4.9%	3.7%
Egypt	6.1	7.0	7.6	9.0	9.5	9.9	10.4	10.5	11.0	13.2	16.2	23.1%	0.7%
Libya	5.1	5.3	5.5	5.2	5.2	5.2	5.2	5.4	5.2	5.0	5.0	-0.7%	0.2%
Nigeria	3.6	3.5	3.8	4.4	4.0	4.4	4.9	4.6	4.6	5.4	9.9	81.4%	0.5%
Other Africa	1.0	1.0	1.0	2.4	2.6	2.7	3.8	4.4	4.5	5.0	5.1	1.8%	0.2%
Total Africa	60.1	64.7	67.7	71.5	67.8	75.0	80.4	89.5	94.2	105.2	116.6	10.7%	5.3%
Australia	18.6	19.5	21.1	22.0	25.3	26.8	27.5	27.0	27.3	27.5	28.0	1.8%	1.3%
Bangladesh	4.3	4.7	5.2	5.5	6.0	6.6	6.8	6.8	7.0	7.5	9.3	24.7%	0.4%
Brunei	8.0	8.2	8.8	9.3	9.4	10.6	10.5	10.5	9.7	10.1	10.5	3.8%	0.5%
China	12.8	13.4	13.6	14.6	14.9	15.8	17.9	20.0	20.1	21.9	25.0	14.1%	1.2%
India	11.1	12.8	14.3	14.5	15.6	16.9	18.4	18.6	22.2	22.4	23.5	4.7%	1.1%
Indonesia	40.8	46.4	48.9	50.6	56.6	57.4	60.4	60.8	58.2	60.2	57.5	-4.4%	2.6%
Malaysia	16.0	18.3	20.5	22.4	23.5	26.0	31.3	34.6	34.9	37.0	39.8	7.6%	1.8%
Pakistan	10.1	10.0	10.3	10.9	12.0	13.1	13.8	14.0	14.4	15.6	17.1	9.5%	0.8%
Thailand	4.9	6.3	6.8	7.6	8.6	9.1	10.6	12.7	13.9	15.3	16.0	5.2%	0.7%
Other Asia Pacific	8.3	7.9	8.2	8.5	8.5	8.3	9.2	9.8	9.6	10.5	12.3	17.5%	0.6%
Total Asia Pacific	134.9	147.5	157.7	165.9	180.4	190.6	206.4	214.8	217.3	228.0	239.0	4.9%	11.0%
TOTAL WORLD	1794.6	1824.2	1835.3	1866.1	1886.1	1922.3	2009.3	2009.9	2047.6	2091.3	2180.6	4.3%	100.0%
of which: OECD	767.8	783.6	802.1	827.5	863.8	876.1	921.6	925.2	928.9	933.5	962.6	3.1%	44.2%
European Union 15	135.4	147.4	149.2	159.3	161.8	168.3	189.3	183.0	182.1	185.6	190.9	2.9%	8.8%
Other EMEs†	314.2	335.3	355.5	377.8	398.7	433.0	467.4	504.0	523.5	552.0	596.2	8.0%	27.3%

*Excluding gas flared or recycled.

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Natural gas production data expressed in billion cubic feet per day is available on the Internet at www.bp.com/worldenergy/

Production*

Billion cubic metres	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
USA	514.2	510.4	514.5	520.4	541.8	534.9	542.2	543.1	540.1	535.6	555.6	3.7%	22.9%
Canada	99.3	105.4	116.1	125.5	135.9	148.2	153.6	156.2	160.5	162.2	167.8	3.4%	6.9%
Mexico	26.8	27.9	27.8	27.8	28.7	28.1	31.2	33.8	36.6	37.1	35.8	-3.3%	1.5%
Total North America	640.3	643.7	658.4	673.7	706.4	711.2	727.0	733.1	737.2	734.9	759.2	3.3%	31.3%
Argentina	17.8	19.9	20.1	21.5	22.3	25.0	26.6	27.4	29.6	34.6	37.3	7.9%	1.5%
Bolivia	3.0	3.0	3.0	3.0	3.3	3.2	3.2	3.3	3.1	2.5	3.3	30.0%	0.1%
Brazil	3.8	3.9	4.0	4.5	4.5	4.8	5.5	6.0	6.3	7.1	7.7	8.8%	0.3%
Colombia	4.1	4.1	4.0	4.2	4.2	4.4	4.7	5.9	6.3	5.2	5.9	14.3%	0.3%
Trinidad & Tobago	5.3	5.7	6.0	5.9	6.2	6.1	7.1	7.4	8.6	10.9	12.6	15.3%	0.5%
Venezuela	22.0	21.9	21.6	23.3	24.7	27.5	29.7	30.8	32.3	26.8	27.2	1.6%	1.1%
Other S. & Cent. America	2.3	2.0	2.2	2.1	2.2	2.2	2.3	2.5	2.6	2.6	2.4	-8.3%	0.1%
Total S. & Cent. America	58.3	60.5	60.9	64.5	67.4	73.2	79.1	83.3	88.8	89.7	96.4	7.5%	3.9%
Denmark	3.1	4.0	4.1	4.5	4.9	5.3	6.4	7.9	7.6	7.8	8.1	4.4%	0.3%
Germany	15.9	14.7	14.9	14.9	15.6	16.1	17.4	17.1	16.7	17.8	16.9	-5.4%	0.7%
Hungary	4.2	4.3	4.0	4.3	4.1	4.2	4.0	3.7	3.3	2.9	2.7	-6.2%	0.1%
Italy	17.3	17.4	18.2	19.5	20.6	20.4	20.0	19.3	19.0	17.5	16.8	-4.1%	0.7%
Netherlands	60.6	69.0	69.1	70.0	66.4	67.0	75.8	67.1	63.6	59.3	57.3	-3.3%	2.4%
Norway	27.8	27.3	29.4	28.9	30.8	31.2	41.0	46.7	47.8	51.0	52.4	2.8%	2.2%
Romania	28.3	24.5	21.8	20.6	18.7	18.0	17.2	15.0	14.0	14.0	13.6	-3.3%	0.6%
United Kingdom	45.5	50.6	51.5	60.5	64.6	70.8	84.2	85.9	90.2	98.9	108.1	9.3%	4.5%
Other Europe	14.1	14.3	14.0	15.1	14.5	14.6	13.3	12.8	12.3	11.6	12.0	3.1%	0.5%
Total Europe	216.8	226.1	227.0	238.3	240.2	247.6	279.3	275.5	274.5	280.8	287.9	2.5%	12.0%
Azerbaijan	9.2	8.0	7.4	6.3	6.0	6.2	5.9	5.6	5.2	5.6	5.3	-5.7%	0.2%
Kazakhstan	6.6	7.4	7.6	6.2	4.2	5.5	6.1	7.6	7.6	9.3	10.7	15.6%	0.4%
Russian Federation	597.9	599.8	597.4	576.5	566.4	555.4	561.1	532.6	551.3	551.0	545.0	-1.1%	22.5%
Turkmenistan	81.9	78.6	56.1	60.9	33.3	30.1	32.8	16.1	12.4	21.3	43.8	>100.0%	1.8%
Ukraine	26.2	22.8	19.6	17.9	17.0	17.0	17.2	17.4	16.8	16.9	16.8	-0.4%	0.7%
Uzbekistan	38.1	39.1	39.9	42.0	44.0	45.3	45.7	47.8	51.1	51.9	52.2	0.7%	2.2%
Other Former Soviet Union	0.5	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	2.2%	†
Total Former Soviet Union	760.4	756.3	728.6	710.2	671.3	659.9	669.1	627.4	644.8	656.4	674.2	2.7%	27.8%
Bahrain	5.8	5.5	6.5	6.9	7.1	7.2	7.4	8.0	8.4	8.4	8.6	1.9%	0.4%
Iran	23.2	25.8	25.0	27.1	31.8	35.3	40.2	47.0	50.0	53.0	60.2	13.8%	2.5%
Kuwait	4.2	0.5	2.6	5.4	6.0	9.3	9.3	9.3	9.5	8.7	9.6	10.5%	0.4%
Oman	2.6	2.6	2.9	2.8	2.9	4.1	4.4	5.0	5.1	5.4	8.5	56.5%	0.4%
Qatar	6.3	7.6	12.6	13.5	13.5	13.5	13.7	17.4	19.6	24.0	28.5	18.8%	1.2%
Saudi Arabia	33.5	35.2	38.3	40.0	42.8	42.9	44.5	45.8	46.7	46.2	47.0	1.7%	1.9%
United Arab Emirates	20.1	23.8	22.2	23.0	25.8	31.3	33.8	36.3	37.1	38.0	39.8	4.7%	1.6%
Other Middle East	5.5	3.4	4.0	4.2	4.9	5.3	6.0	7.2	7.5	7.9	7.5	-5.4%	0.3%
Total Middle East	101.2	104.4	114.1	122.9	134.8	148.9	159.3	176.0	183.9	191.6	209.7	9.4%	8.7%
Algeria	49.3	53.2	55.3	56.1	51.6	58.7	62.3	71.8	76.6	85.2	89.3	4.9%	3.7%
Egypt	6.8	7.8	8.4	10.0	10.6	11.0	11.5	11.6	12.2	14.7	18.0	23.1%	0.7%
Libya	5.6	5.9	6.1	5.8	5.8	5.8	5.8	6.0	5.8	5.6	5.5	-0.7%	0.2%
Nigeria	4.0	3.9	4.3	4.9	4.4	4.8	5.4	5.1	5.1	6.0	11.0	81.4%	0.5%
Other Africa	1.2	1.1	1.1	2.7	2.9	3.0	4.2	4.9	5.0	5.6	5.7	1.8%	0.2%
Total Africa	66.9	71.9	75.2	79.5	75.3	83.3	89.2	99.4	104.7	117.1	129.5	10.7%	5.3%
Australia	20.6	21.7	23.5	24.5	28.1	29.8	30.6	30.0	30.4	30.6	31.1	1.8%	1.3%
Bangladesh	4.8	5.2	5.7	6.1	6.6	7.4	7.6	7.6	7.8	8.3	10.3	24.7%	0.4%
Brunei	8.9	9.1	9.8	10.3	10.4	11.8	11.7	11.7	10.8	11.2	11.6	3.8%	0.5%
China	14.2	14.9	15.1	16.2	16.6	17.6	19.9	22.2	22.3	24.3	27.7	14.1%	1.2%
India	12.4	14.2	15.9	16.1	17.3	18.8	20.4	20.7	24.6	24.9	26.1	4.7%	1.1%
Indonesia	45.3	51.5	54.3	56.2	62.9	63.8	67.1	67.6	64.7	66.9	63.9	-4.4%	2.6%
Malaysia	17.8	20.4	22.8	24.9	26.1	28.9	34.8	38.4	38.8	41.1	44.2	7.6%	1.8%
Pakistan	11.2	11.1	11.5	12.2	13.3	14.6	15.4	15.6	16.0	17.3	19.0	9.5%	0.8%
Thailand	5.5	7.0	7.5	8.4	9.5	10.1	11.8	14.1	15.5	16.9	17.8	5.2%	0.7%
Other Asia Pacific	9.2	8.7	9.1	9.4	9.5	9.2	10.3	10.9	10.7	11.7	13.7	17.5%	0.6%
Total Asia Pacific	149.9	163.8	175.2	184.3	200.3	212.0	229.6	238.8	241.6	253.2	265.4	4.9%	11.0%
TOTAL WORLD	1993.8	2026.7	2039.4	2073.4	2095.7	2136.1	2232.6	2233.5	2275.5	2323.7	2422.3	4.3%	100.0%
of which: OECD	853.1	870.7	891.2	919.4	959.7	973.5	1024.0	1028.0	1032.2	1037.2	1069.6	3.1%	44.2%
European Union 15	150.4	163.8	165.7	177.0	179.8	187.0	210.4	203.3	202.3	206.2	212.1	2.9%	8.8%
Other EMEs†	349.1	372.6	395.0	419.8	443.0	481.1	519.4	560.0	581.6	613.4	662.4	8.0%	27.3%

*Excluding gas flared or recycled.

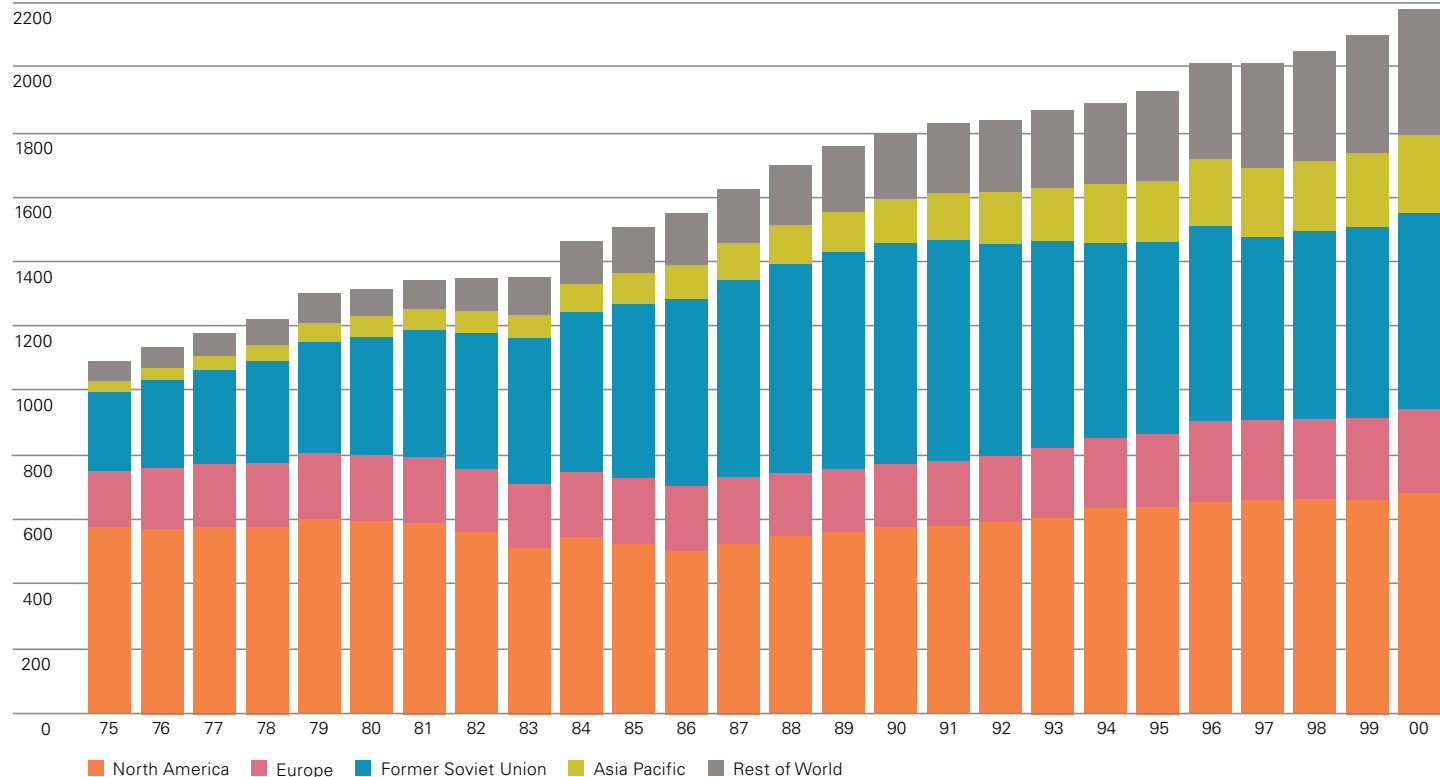
†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Note: As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar); as they are derived directly from tonnes of oil equivalent using an average conversion factor, they do not necessarily equate with gas volumes expressed in specific national terms.

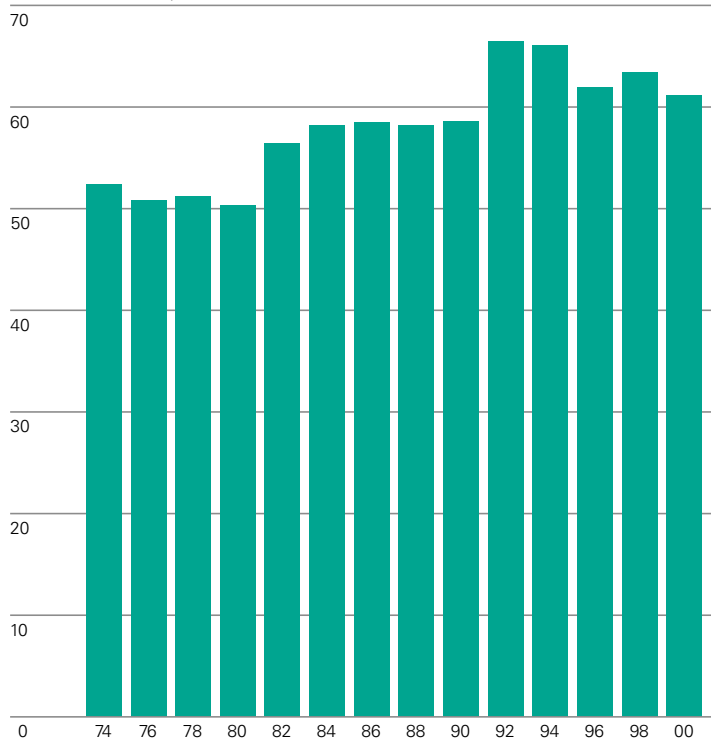
Production by area

Million tonnes oil equivalent

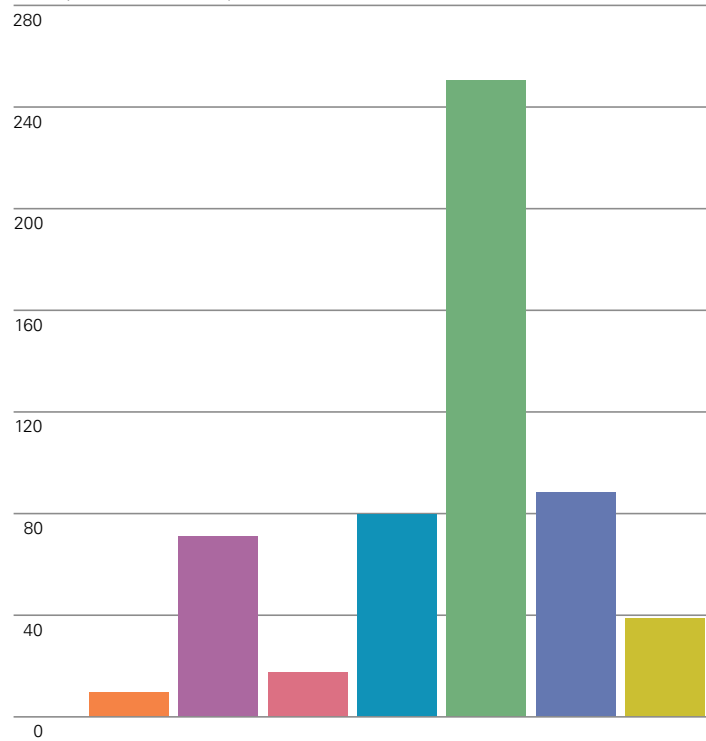


R/P ratios

World – Reserves to production ratio



2000 by area – Reserves to production ratio



At 61 years, the global natural gas R/P ratio remains well above that for oil, despite a continuation of the decline since 1993. R/P ratios are lowest in the well-developed markets of North America and Europe, and highest in the resource-rich regions of the Middle East, Former Soviet Union and Africa.

Consumption

Million tonnes oil equivalent	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
USA	486.3	494.1	507.3	524.9	536.5	558.5	568.5	567.8	552.4	561.7	588.9	4.8%	27.2%
Canada	55.6	56.7	60.2	61.6	63.8	63.8	66.9	67.3	63.3	65.4	70.1	7.1%	3.2%
Mexico	25.0	24.9	24.9	25.4	26.5	26.7	27.9	28.5	30.9	30.6	32.0	4.6%	1.5%
Total North America	566.9	575.7	592.4	611.9	626.8	649.0	663.3	663.6	646.6	657.7	691.0	5.1%	31.9%
Argentina	18.3	19.9	20.1	21.2	21.9	24.3	25.7	25.7	27.5	30.4	29.8	-1.9%	1.4%
Brazil	3.4	3.5	3.6	4.0	4.1	4.3	5.0	5.4	5.6	6.4	8.5	32.7%	0.4%
Chile	1.5	1.3	1.5	1.4	1.5	1.5	1.5	2.5	2.9	3.6	5.2	45.0%	0.2%
Colombia	3.7	3.7	3.6	3.8	3.7	4.0	4.2	5.3	5.6	4.7	5.3	14.4%	0.2%
Ecuador	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	†
Peru	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.5	0.5	0.4	-18.4%	†
Venezuela	19.8	19.7	19.5	21.0	22.2	24.8	26.8	27.7	29.1	24.1	24.5	1.6%	1.1%
Other S. & Cent. America	5.4	5.8	6.1	6.1	6.5	6.5	7.4	8.0	8.9	9.3	9.7	3.6%	0.5%
Total S. & Cent. America	52.6	54.4	54.8	58.0	60.4	65.9	71.1	75.0	80.2	79.1	83.5	5.6%	3.8%
Austria	5.2	5.4	5.4	5.7	5.8	6.1	6.6	6.9	7.1	7.2	7.1	-1.0%	0.3%
Belgium & Luxembourg	9.5	9.0	9.0	9.9	9.7	10.6	11.8	11.3	12.4	13.3	13.4	0.8%	0.6%
Bulgaria	5.3	4.5	3.9	3.7	3.7	4.5	4.6	3.7	3.1	2.8	2.8	-1.6%	0.1%
Czech Republic	4.9	5.3	5.2	5.3	5.7	6.5	7.6	7.7	7.7	7.7	7.7	-0.4%	0.4%
Denmark	1.8	2.1	2.2	2.5	2.7	3.1	3.7	3.9	4.3	4.5	4.4	-1.9%	0.2%
Finland	2.3	2.4	2.5	2.6	2.8	2.9	3.0	2.9	3.3	3.3	3.4	2.2%	0.2%
France	26.4	27.5	28.3	29.0	27.8	29.6	32.5	31.2	33.3	33.9	35.6	5.0%	1.6%
Germany	53.9	56.6	56.7	59.8	61.1	67.0	75.2	71.3	71.7	72.1	71.3	-1.2%	3.3%
Greece	0.1	0.1	0.1	0.1	†	†	†	0.2	0.7	1.2	1.5	26.8%	0.1%
Hungary	8.7	8.6	7.4	8.1	8.4	9.2	10.2	9.7	9.8	9.9	9.6	-2.5%	0.4%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-
Republic of Ireland	1.9	1.9	1.9	2.2	2.2	2.3	2.7	2.8	2.8	3.0	3.4	14.6%	0.2%
Italy	39.1	41.5	41.1	42.1	40.8	44.9	46.4	47.9	51.5	56.0	57.4	2.6%	2.7%
Netherlands	31.0	34.2	33.0	34.1	33.2	34.0	37.5	35.2	34.9	34.1	34.5	1.0%	1.6%
Norway	1.9	2.2	2.3	2.4	2.6	2.7	2.9	3.3	3.4	3.2	3.5	8.3%	0.2%
Poland	8.9	7.9	7.8	8.1	8.2	8.9	9.5	9.4	9.5	9.3	10.0	7.5%	0.5%
Portugal	-	-	-	-	-	-	-	0.1	0.7	2.0	5.4	>100.0%	0.2%
Romania	27.7	22.3	22.8	22.7	21.8	21.6	21.8	18.0	16.8	15.5	14.6	-5.9%	0.7%
Slovakia	5.3	4.9	4.9	4.6	4.5	5.1	5.5	5.6	5.7	5.8	5.1	-12.0%	0.2%
Spain	5.0	5.5	5.9	5.8	6.5	7.5	8.4	11.1	11.8	13.5	15.2	12.0%	0.7%
Sweden	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.8	1.3%	†
Switzerland	1.6	1.8	1.9	2.0	2.0	2.2	2.4	2.3	2.4	2.4	2.4	-0.9%	0.1%
Turkey	3.0	4.0	4.1	4.5	5.9	6.2	8.1	8.5	8.9	10.8	12.7	17.5%	0.6%
United Kingdom	47.2	50.9	50.7	57.8	59.5	63.5	73.9	75.4	78.2	82.8	86.1	4.0%	4.0%
Other Europe	6.2	6.0	5.1	4.8	3.6	3.7	5.3	5.4	5.3	4.6	5.0	7.6%	0.2%
Total Europe	297.5	305.2	302.9	318.5	319.2	342.8	380.4	374.5	386.1	399.7	412.9	3.3%	19.1%
Azerbaijan	14.2	13.6	10.6	7.8	7.3	7.2	5.3	5.0	4.7	5.0	4.9	-3.3%	0.2%
Belarus	12.4	13.0	15.1	14.0	12.3	11.1	11.7	13.3	13.5	13.8	14.6	6.1%	0.7%
Kazakhstan	11.3	11.8	12.2	11.7	9.2	9.7	8.1	6.4	6.5	7.1	7.2	1.2%	0.3%
Lithuania	5.0	4.9	2.7	1.5	1.8	2.1	2.3	2.4	2.1	2.2	2.4	13.0%	0.1%
Russian Federation	378.1	388.0	375.5	374.4	351.8	340.0	341.9	315.3	328.3	326.4	339.5	4.0%	15.7%
Turkmenistan	8.8	8.6	8.4	8.4	9.2	7.2	9.0	9.1	9.2	10.2	11.3	11.6%	0.5%
Ukraine	115.0	109.3	93.2	83.6	73.2	68.6	74.2	66.8	61.9	63.6	61.6	-3.0%	2.9%
Uzbekistan	33.2	33.4	33.6	36.6	37.2	38.1	39.0	40.9	42.3	44.3	44.8	1.1%	2.1%
Other Former Soviet Union	18.5	16.4	14.1	10.0	8.4	8.2	7.1	7.9	8.3	7.1	7.1	1.0%	0.3%
Total Former Soviet Union	596.5	599.0	565.4	548.0	510.4	492.2	498.6	467.1	476.8	479.7	493.4	2.9%	22.8%
Iran	20.4	20.5	22.5	23.9	28.6	31.5	36.1	42.4	46.6	49.5	56.6	14.4%	2.6%
Kuwait	5.6	0.5	2.4	4.9	5.4	8.4	8.4	8.3	8.5	7.8	8.6	10.5%	0.4%
Qatar	5.7	6.9	11.4	12.2	12.2	12.2	12.3	13.2	13.3	14.3	13.0	-9.1%	0.6%
Saudi Arabia	30.2	31.7	34.4	36.0	38.5	38.6	40.1	41.3	42.0	41.6	42.3	1.7%	2.0%
United Arab Emirates	15.2	18.3	16.9	17.7	19.5	22.3	24.4	26.1	27.4	28.3	30.0	6.2%	1.4%
Other Middle East	10.7	10.4	12.0	12.5	13.4	14.5	15.6	17.7	18.4	19.1	19.5	1.8%	0.9%
Total Middle East	87.8	88.3	99.6	107.2	117.6	127.5	136.9	149.0	156.2	160.6	170.0	5.9%	7.9%
Algeria	14.5	15.3	16.0	16.7	17.6	18.9	19.3	18.1	18.8	20.0	21.9	9.7%	1.0%
Egypt	6.1	6.9	7.5	8.7	9.4	9.9	10.2	10.4	10.8	12.9	16.1	24.5%	0.7%
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Africa	9.9	9.5	10.1	10.5	10.7	11.5	12.9	12.9	13.4	14.0	14.9	6.3%	0.7%
Total Africa	30.5	31.7	33.6	35.9	37.7	40.3	42.4	41.4	43.0	46.9	52.9	12.8%	2.4%
Australia	16.5	15.3	15.2	15.7	17.5	17.6	17.9	17.6	18.3	17.8	19.1	7.5%	0.9%
Bangladesh	4.3	4.8	5.2	5.5	6.0	6.6	6.8	6.8	7.0	7.5	9.3	24.7%	0.4%
China	13.2	13.4	13.6	14.6	14.9	15.9	15.9	17.4	17.4	19.3	22.3	16.0%	1.0%
China Hong Kong SAR	-	-	-	-	-	†	1.5	2.4	2.2	2.4	2.2	-9.6%	0.1%
India	11.2	12.7	14.3	14.7	15.7	17.7	18.5	19.1	20.9	21.4	22.5	5.2%	1.0%
Indonesia	18.0	19.5	20.3	21.5	24.6	27.0	28.2	28.7	25.0	24.8	25.0	0.8%	1.2%
Japan	46.1	49.2	50.4	50.7	54.3	55.0	59.5	58.6	62.5	67.1	68.6	2.2%	3.2%
Malaysia	6.8	8.1	9.5	11.7	12.3	12.4	14.3	15.0	15.7	17.1	19.5	14.0%	0.9%
New Zealand	3.8	4.2	4.4	4.3	4.0	3.7	4.3	4.6	4.0	4.7	4.9	4.6%	0.2%
Pakistan	10.1	10.0	10.3	10.9	12.0	13.1	13.8	14.0	14.4	15.6	17.1	9.5%	0.8%
Philippines	-	-	-	-	†	†	†	†	†	†	†	50.0%	†
Singapore	-	-	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	-	0.1%
South Korea	3.0	3.5	4.6	5.7	7.6	9.2	12.2	14.8	13.8	16.8	18.9	12.3%	0.9%
Taiwan	1.7	2.7	2.8	2.7	3.6	3.9	4.0	4.6	5.7	5.6	6.2	10.6%	0.3%
Thailand	4.9	6.3	6.8	7.6	8.6	9.0	10.7	13.1	14.3	15.6	18.8	20.5%	0.9%
Other Asia Pacific	2.4	2.3	2.4	2.7	2.9	3.0	3.4	3.8	4.1	4.4	4.5	1.4%	0.2%
Total Asia Pacific	142.0	152.0	160.8	169.7	185.4	195.5	212.4	221.9	226.7	241.5	260.3	7.8%	12.1%
TOTAL WORLD	1773.8	1806.3	1809.5	1849.2	1857.5	1913.2	2005.1	1992.5	2015.6	2065.2	2164.0	4.8%	100.0%
of which: OECD	889.3	915.4	933.2	971.0	995.8	1042.4	1100.4	1101.0	1100.4	1135.1	1187.9	4.6%	54.9%
European Union 15	224.0	237.7	237.5	252.3	252.8	272.2	302.5	300.9	313.5	327.7	339.5	3.6%	15.7%
Other EMEs†	243.5	254.2	274.2	294.4	317.7	343.7	368.9	391.7	407.5	421.7	455.2	8.0%	21.0%

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Note: The difference between these world consumption figures and the world production statistics on page 22 is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.

Natural gas consumption data expressed in billion cubic feet per day is available on the Internet at www.bp.com/worldenergy/

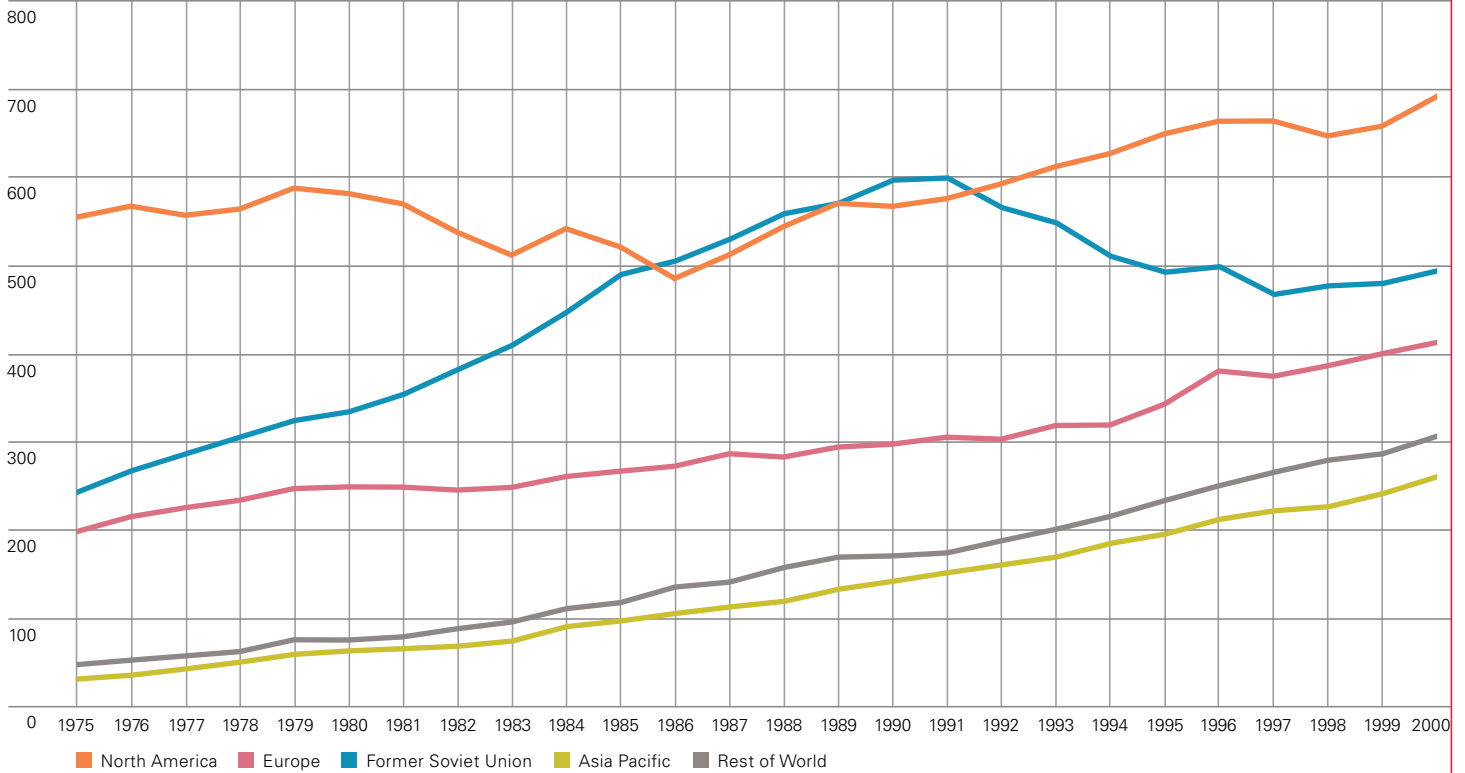
Change	2000
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Billion cubic metres	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2000 over 1999	share of total
USA	540.3	549.0	563.7	583.2	596.1	620.6	631.7	630.9	613.8	624.1	654.4	4.8%	27.2%
Canada	61.8	63.0	66.8	68.4	70.8	70.9	74.3	74.8	70.3	72.7	77.8	7.1%	3.2%
Mexico	27.8	27.7	27.7	28.2	29.4	29.7	31.0	31.7	34.4	33.9	35.5	4.6%	1.5%
Total North America	629.9	639.7	658.2	679.8	696.3	721.2	737.0	737.4	718.5	730.7	767.7	5.1%	31.9%
Argentina	20.3	22.1	22.3	23.6	24.3	27.0	28.6	28.5	30.5	33.7	33.1	-1.9%	1.4%
Brazil	3.8	3.9	4.0	4.5	4.5	4.8	5.5	6.0	6.3	7.1	9.4	32.7%	0.4%
Chile	1.7	1.5	1.7	1.6	1.7	1.6	1.7	2.8	3.3	4.0	5.8	45.0%	0.2%
Colombia	4.1	4.1	4.0	4.2	4.2	4.4	4.7	5.9	6.2	5.2	5.9	14.4%	0.2%
Ecuador	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	†
Peru	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	-18.4%	†
Venezuela	22.0	21.9	21.6	23.3	24.7	27.5	29.7	30.8	32.3	26.8	27.2	1.6%	1.1%
Other S. & Cent. America	6.0	6.5	6.8	6.8	7.3	7.3	8.2	8.9	9.9	10.4	10.7	3.6%	0.5%
Total S. & Cent. America	58.4	60.5	60.9	64.5	67.2	73.1	78.9	83.4	89.1	87.8	92.6	5.6%	3.8%
Austria	5.7	6.1	6.0	6.4	6.5	6.8	7.3	7.7	7.8	8.0	7.9	-1.0%	0.3%
Belgium & Luxembourg	10.6	10.0	10.0	11.0	10.8	11.8	13.1	12.5	13.8	14.7	14.9	0.8%	0.6%
Bulgaria	5.9	5.0	4.3	4.1	4.1	5.0	5.2	4.1	3.4	3.2	3.1	-1.6%	0.1%
Czech Republic	5.4	5.9	5.8	5.9	6.3	7.3	8.4	8.5	8.5	8.6	8.6	-0.4%	0.4%
Denmark	2.0	2.3	2.4	2.8	3.0	3.5	4.1	4.4	4.8	5.0	4.9	-1.9%	0.2%
Finland	2.5	2.6	2.7	2.8	3.1	3.2	3.3	3.2	3.7	3.7	3.7	2.2%	0.2%
France	29.3	30.6	31.4	32.3	30.9	32.9	36.1	34.6	37.0	37.7	39.6	5.0%	1.6%
Germany	59.9	62.9	63.0	66.4	67.9	74.4	83.6	79.2	79.7	80.2	79.2	-1.2%	3.3%
Greece	0.2	0.1	0.1	0.1	†	†	†	0.2	0.8	1.4	1.7	26.8%	0.1%
Hungary	9.6	9.6	8.2	9.0	9.4	10.2	11.4	10.8	10.9	10.9	10.7	-2.5%	0.4%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-
Republic of Ireland	2.1	2.1	2.1	2.4	2.4	2.6	3.0	3.1	3.1	3.3	3.8	14.6%	0.2%
Italy	43.4	46.2	45.7	46.8	45.3	49.9	51.5	53.2	57.2	62.2	63.8	2.6%	2.7%
Netherlands	34.4	38.1	36.7	37.9	36.9	37.8	41.7	39.1	38.7	37.9	38.3	1.0%	1.6%
Norway	2.1	2.4	2.6	2.7	2.9	2.9	3.2	3.7	3.8	3.6	3.9	8.3%	0.2%
Poland	9.9	8.8	8.7	9.0	9.2	9.9	10.6	10.5	10.6	10.3	11.1	7.5%	0.5%
Portugal	-	-	-	-	-	-	-	0.1	0.8	2.3	6.0	>100.0%	0.2%
Romania	30.8	24.7	25.4	25.2	24.2	24.0	24.2	20.0	18.7	17.2	16.2	-5.9%	0.7%
Slovakia	5.9	5.4	5.5	5.2	5.0	5.7	6.2	6.3	6.4	6.4	5.7	-12.0%	0.2%
Spain	5.6	6.1	6.5	6.5	7.2	8.3	9.3	12.3	13.1	15.0	16.8	12.0%	0.7%
Sweden	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.8	0.9	0.8	0.9	1.3%	†
Switzerland	1.8	2.0	2.1	2.2	2.2	2.4	2.6	2.5	2.6	2.7	2.7	-0.9%	0.1%
Turkey	3.4	4.4	4.5	5.0	6.5	6.8	9.0	9.4	9.9	12.0	14.1	17.5%	0.6%
United Kingdom	52.4	56.6	56.4	64.2	66.1	70.5	82.1	83.8	86.9	92.0	95.7	4.0%	4.0%
Other Europe	6.9	6.7	5.6	5.3	4.0	4.1	5.9	6.0	5.9	5.1	5.5	7.6%	0.2%
Total Europe	330.5	339.3	336.4	354.0	354.7	380.8	422.7	416.0	429.0	444.2	458.8	3.3%	19.1%
Azerbaijan	15.8	15.1	11.8	8.7	8.1	8.0	5.9	5.6	5.2	5.6	5.4	-3.3%	0.2%
Belarus	13.8	14.5	16.8	15.6	13.6	12.3	13.0	14.8	15.0	15.3	16.2	6.1%	0.7%
Kazakhstan	12.5	13.2	13.5	13.0	10.3	10.8	9.0	7.1	7.3	7.9	8.0	1.2%	0.3%
Lithuania	5.6	5.4	3.0	1.7	2.0	2.3	2.5	2.6	2.3	2.4	2.7	13.0%	0.1%
Russian Federation	420.1	431.1	417.3	416.0	390.9	377.8	379.9	350.4	364.7	362.7	377.2	4.0%	15.7%
Turkmenistan	9.8	9.6	9.3	9.3	10.2	8.0	10.0	10.1	10.3	11.3	12.6	11.6%	0.5%
Ukraine	127.8	121.5	103.5	92.9	81.3	76.2	82.5	74.3	68.8	70.6	68.5	-3.0%	2.9%
Uzbekistan	36.8	37.1	37.3	40.7	41.3	42.4	43.3	45.4	47.0	49.3	49.8	1.1%	2.1%
Other Former Soviet Union	20.5	18.2	15.7	11.1	9.3	9.1	7.9	8.8	9.2	7.9	7.9	1.0%	0.3%
Total Former Soviet Union	662.7	665.7	628.2	609.0	567.0	546.9	554.0	519.1	529.8	533.0	548.3	2.9%	22.8%
Iran	22.7	22.7	25.0	26.6	31.8	35.0	40.1	47.1	51.8	55.0	62.9	14.4%	2.6%
Kuwait	6.2	0.5	2.6	5.4	6.0	9.3	9.3	9.3	9.5	8.7	9.6	10.5%	0.4%
Qatar	6.3	7.6	12.6	13.5	13.5	13.5	13.7	14.6	14.8	15.9	14.5	-9.1%	0.6%
Saudi Arabia	33.5	35.2	38.3	40.0	42.8	42.9	44.5	45.8	46.7	46.2	47.0	1.7%	2.0%
United Arab Emirates	16.9	20.4	18.8	19.6	21.7	24.8	27.2	29.0	30.4	31.4	33.4	6.2%	1.4%
Other Middle East	11.9	11.6	13.3	13.9	14.9	16.1	17.3	19.6	20.4	21.2	21.6	1.8%	0.9%
Total Middle East	97.5	98.0	110.6	119.0	130.7	141.6	152.1	165.4	173.6	178.4	189.0	5.9%	7.9%
Algeria	16.1	17.0	17.8	18.6	19.6	21.0	21.4	20.2	20.9	22.2	24.4	9.7%	1.0%
Egypt	6.8	7.7	8.4	9.7	10.4	11.0	11.3	11.6	12.0	14.3	17.9	24.5%	0.7%
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Africa	11.0	10.5	11.2	11.6	11.9	12.8	14.3	14.4	14.9	15.6	16.6	6.3%	0.7%
Total Africa	33.9	35.2	37.4	39.9	41.9	44.8	47.0	46.2	47.8	52.1	58.9	12.8%	2.4%
Australia	18.4	17.0	16.9	17.4	19.4	19.5	19.9	19.6	20.3	19.8	21.3	7.5%	0.9%
Bangladesh	4.8	5.3	5.7	6.1	6.6	7.4	7.6	7.6	7.8	8.3	10.3	24.7%	0.4%
China	14.7	14.9	15.1	16.2	16.6	17.7	17.7	19.3	19.3	21.4	24.8	16.0%	1.0%
China Hong Kong SAR	-	-	-	-	-	†	1.7	2.6	2.5	2.7	2.5	-9.6%	0.1%
India	12.5	14.1	15.8	16.3	17.4	19.6	20.6	21.3	23.2	23.8	25.0	5.2%	1.0%
Indonesia	20.1	21.7	22.6	23.9	27.3	30.1	31.4	31.9	27.8	27.6	27.8	0.8%	1.2%
Japan	51.2	54.7	56.0	56.3	60.3	61.2	66.1	65.1	69.5	74.6	76.2	2.2%	3.2%
Malaysia	7.6	9.0	10.6	13.0	13.6	13.7	15.9	16.7	17.4	19.0	21.7	14.0%	0.9%
New Zealand	4.3	4.6	4.9	4.7	4.4	4.2	4.7	5.1	4.5	5.2	5.4	4.6%	0.2%
Pakistan	11.2	11.1	11.5	12.2	13.3	14.6	15.4	15.6	16.0	17.3	19.0	9.5%	0.8%
Philippines	-	-	-	-	†	†	†	†	†	†	†	50.0%	†
Singapore	-	-	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-	0.1%
South Korea	3.4	3.9	5.1	6.4	8.5	10.2	13.5	16.4	15.4	18.7	21.0	12.3%	0.9%
Taiwan	1.9	3.0	3.2	3.1	4.0	4.3	4.5	5.1	6.4	6.2	6.9	10.6%	0.3%
Thailand	5.5	7.0	7.5	8.4	9.5	10.0	11.8	14.6	15.9	17.4	20.9	20.5%	0.9%
Other Asia Pacific	2.7	2.5	2.7	3.0	3.3	3.4	3.8	4.2	4.6	4.9	5.0	1.4%	0.2%
Total Asia Pacific	158.3	168.8	178.7	188.5	205.7	217.4	236.1	246.6	252.1	268.4	289.3	7.8%	12.1%
TOTAL WORLD	1971.2	2007.2	2010.4	2054.7	2063.5	2125.8	2227.8	2214.1	2239.9	2294.6	2404.6	4.8%	100.0%
of which: OECD	988.2	1017.4	1036.7	1078.8	1106.3	1158.3	1222.4	1223.2	1222.8	1261.3	1319.9	4.6%	54.9%
European Union 15	248.8	264.4	263.7	280.4	280.9	302.5	336.0	334.2	348.3	364.2	377.2	3.6%	15.7%
Other EMEs†	270.8	282.3	304.7	327.1	352.9	381.8	409.9	435.4	452.9	468.4	505.9	8.0%	21.0%

As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar); as they are derived directly from tonnes of oil equivalent using an average conversion factor, they do not necessarily equate with gas volumes expressed in specific national terms.

Consumption by area

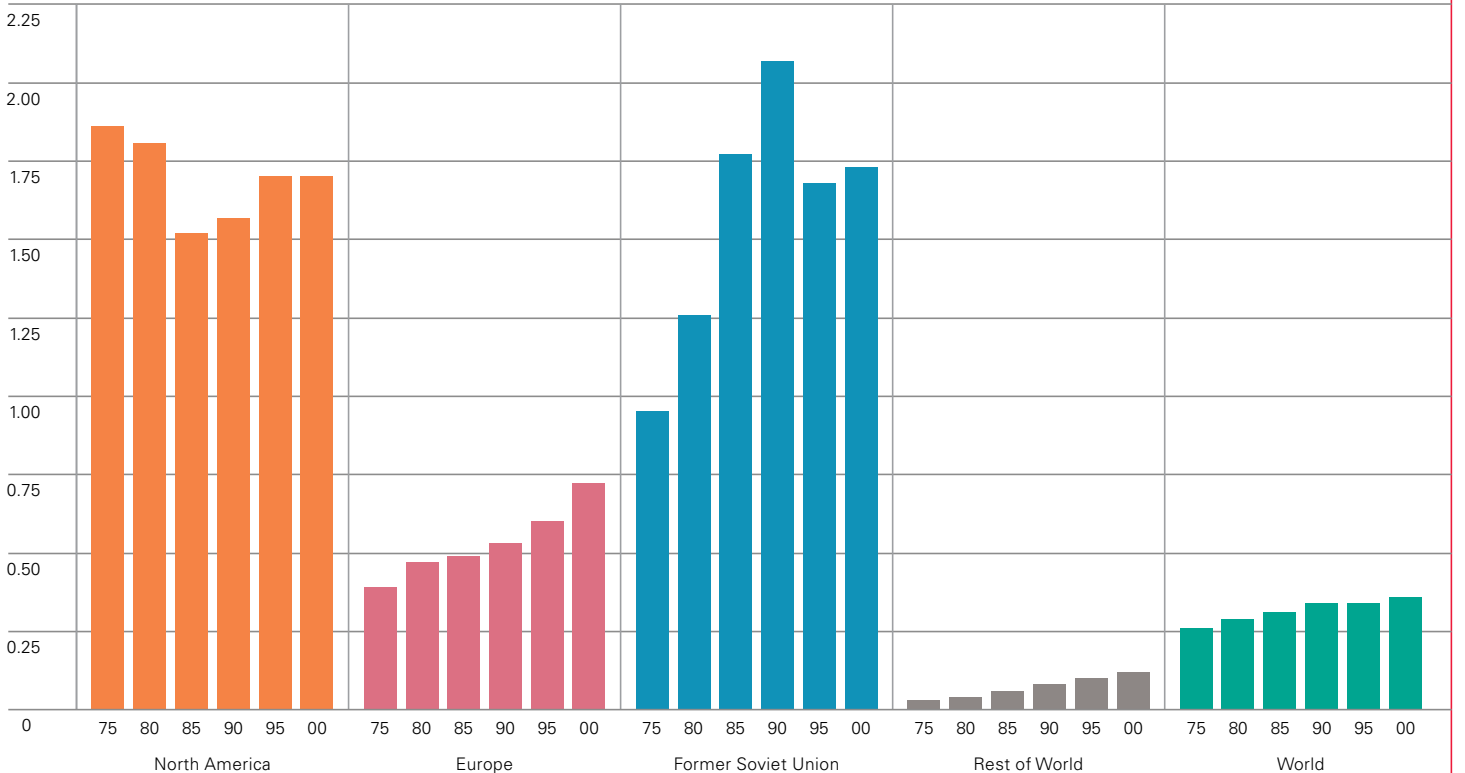
Million tonnes oil equivalent



In 2000, world gas consumption increased by 4.8% over 1999, double the rate of growth in the previous year. Consumption increased in all regions for the second consecutive year. Consumption in the Former Soviet Union is now rising again but remains more than 15% below the level of 10 years ago.

Consumption per capita

Tonnes oil equivalent



Consumption per capita continues to grow in Europe and the Rest of World, but remains fairly stable in North America. Three regions (North America, Europe and the Former Soviet Union) are responsible for nearly 75% of the world's natural gas consumption.

Trade movements 2000 – by pipeline

Billion cubic metres

Billion cubic metres				From												Total imports
To	USA	Canada	Mexico	Argentina	Bolivia	Denmark	France	Germany	Netherlands	Norway	UK	Russian Fed.	Turkmenistan	Algeria	Malaysia	
North America																
USA	–	101.66	0.17	–	–	–	–	–	–	–	–	–	–	–	–	101.83
Canada	1.78	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.78
Mexico	3.11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.11
S. & Cent. America																
Brazil	–	–	–	0.09	1.90	–	–	–	–	–	–	–	–	–	–	1.99
Chile	–	–	–	4.07	–	–	–	–	–	–	–	–	–	–	–	4.07
Uruguay	–	–	–	0.04	–	–	–	–	–	–	–	–	–	–	–	0.04
Europe																
Austria	–	–	–	–	–	–	–	0.32	–	0.50	–	5.10	–	–	–	5.92
Belgium	–	–	–	–	–	–	–	0.24	5.90	5.45	0.21	–	–	–	–	11.80
Bulgaria	–	–	–	–	–	–	–	–	–	–	–	3.20	–	–	–	3.20
Croatia	–	–	–	–	–	–	–	–	–	–	–	1.11	–	–	–	1.11
Czech Republic	–	–	–	–	–	–	–	–	–	1.02	–	7.50	–	–	–	8.52
Finland	–	–	–	–	–	–	–	–	–	–	–	4.30	–	–	–	4.30
France	–	–	–	–	–	–	–	–	6.02	12.12	0.80	13.47	–	–	–	32.41
Germany	–	–	–	–	–	2.50	–	–	17.70	19.60	3.00	34.00	–	–	–	76.80
Greece	–	–	–	–	–	–	–	–	–	–	–	1.60	–	–	–	1.60
Hungary	–	–	–	–	–	–	0.50	0.90	–	–	–	7.80	–	–	–	9.20
Ireland	–	–	–	–	–	–	–	–	–	–	2.60	–	–	–	–	2.60
Italy	–	–	–	–	–	–	–	–	6.10	–	–	21.10	–	25.60	–	52.80
Luxembourg	–	–	–	–	–	–	–	0.30	0.30	–	–	–	–	–	–	0.60
Netherlands	–	–	–	–	–	–	–	–	–	5.50	6.50	–	–	–	–	12.00
Poland	–	–	–	–	–	–	–	0.20	–	0.50	–	6.90	–	–	–	7.60
Portugal	–	–	–	–	–	–	–	–	–	–	–	–	–	2.20	–	2.20
Romania	–	–	–	–	–	–	–	0.20	–	–	–	3.20	–	–	–	3.40
Slovakia	–	–	–	–	–	–	–	–	–	–	–	7.90	–	–	–	7.90
Slovenia	–	–	–	–	–	–	–	–	–	–	–	0.65	–	0.36	–	1.01
Spain	–	–	–	–	–	–	–	–	–	2.31	–	–	–	6.16	–	8.47
Sweden	–	–	–	–	–	1.10	–	–	–	–	–	–	–	–	–	1.10
Switzerland	–	–	–	–	–	–	0.30	1.40	0.60	–	–	0.60	–	–	–	2.90
Turkey	–	–	–	–	–	–	–	–	–	–	–	10.30	–	–	–	10.30
United Kingdom	–	–	–	–	–	–	–	–	–	2.00	–	–	–	–	–	2.00
Others	–	–	–	–	–	–	–	–	–	–	–	1.60	–	–	–	1.60
Middle East																
Iran	–	–	–	–	–	–	–	–	–	–	–	–	2.65	–	–	2.65
Africa																
Tunisia	–	–	–	–	–	–	–	–	–	–	–	–	–	1.00	–	1.00
Asia Pacific																
Singapore	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.50	1.50
TOTAL EXPORTS	4.89	101.66	0.17	4.20	1.90	3.60	0.80	3.56	36.62	49.00	13.11	130.33	2.65	35.32	1.50	389.31

Source: Cedigaz (provisional).

Trade movements 2000 – LNG*

Billion cubic metres

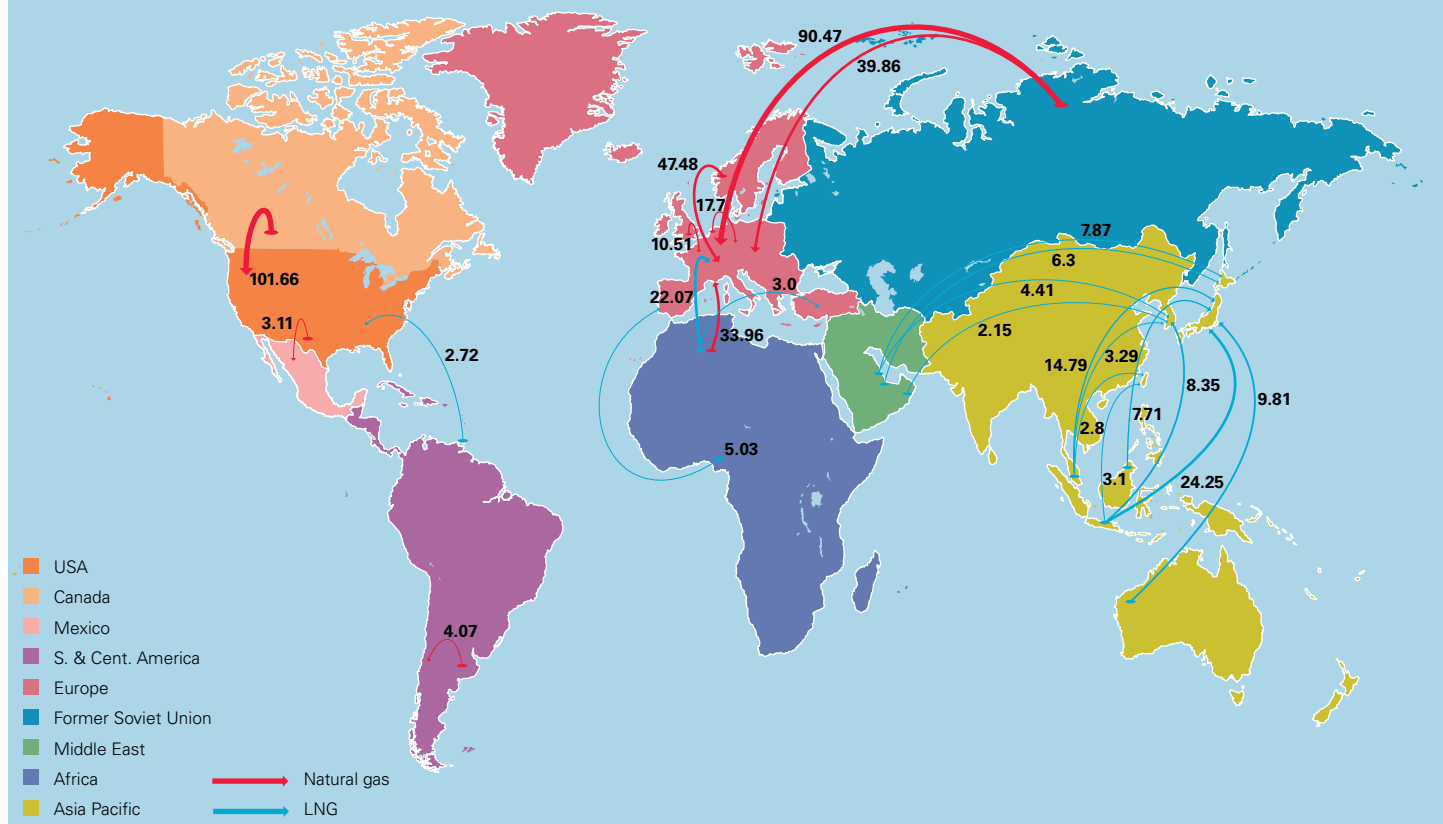
Billion cubic metres		From												Total imports
To	USA	Trinidad & Tobago	Oman	Qatar	UAE	Algeria	Libya	Nigeria	Australia	Brunei	Indonesia	Malaysia		
North America														
USA	–	2.72	0.16	1.30	–	1.25	–	0.58	0.23	–	–	–	6.24	
Europe														
Belgium	–	–	–	–	–	4.20	–	–	–	–	–	–	4.20	
France	–	–	–	0.08	–	10.90	–	0.25	–	–	–	–	11.23	
Greece	–	–	–	–	–	0.30	–	–	–	–	–	–	0.30	
Italy	–	–	–	0.08	–	2.50	–	2.20	–	–	–	–	4.78	
Spain	–	0.79	0.08	0.30	0.30	4.17	0.80	1.88	–	–	–	0.15	8.47	
Turkey	–	–	–	–	–	3.00	–	0.70	–	–	–	–	3.70	
Asia Pacific														
Japan	1.65	–	0.08	7.87	6.30	–	–	–	9.81	7.71	24.25	14.79	72.46	
South Korea	–	–	2.15	4.41	0.33	–	–	–	0.07	1.08	8.35	3.29	19.68	
Taiwan	–	–	–	–	–	–	–	–	–	–	3.10	2.80	5.90	
TOTAL EXPORTS	1.65	3.51	2.47	14.04	6.93	26.32	0.80	5.61	10.11	8.79	35.70	21.03	136.96	

*Liquefied Natural Gas.

Source: Cedigaz.

Major trade movements

Trade flows worldwide (billion cubic metres)



Prices

	LNG		Natural gas			Crude oil
US dollars per million Btu	Japan cif	European Union cif	UK (Heren Index)†	USA Henry Hub‡	Canada (Alberta)‡	OECD countries cif
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	1.84	2.76	1.12	3.54
1997	3.91	2.65	2.03	2.53	1.36	3.29
1998	3.05	2.27	1.93	2.08	1.42	2.16
1999	3.14	1.73	1.64	2.27	2.00	2.98
2000	4.72	2.85	2.68	4.23	3.75	4.81

†Source: PH Energy.

‡Source: Natural Gas Week.

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

Reserves at end 2000

Million tonnes	Anthracite and bituminous	Sub-bituminous and Lignite	Total	Share of total	R/P ratio
USA	111338	135305	246643	25.1%	253
Canada	4509	4114	8623	0.9%	125
Mexico	860	351	1211	0.1%	121
Total North America	116707	139770	256477	26.1%	243
Brazil	—	11950	11950	1.2%	*
Colombia	6368	381	6749	0.7%	177
Venezuela	479	—	479	0.1%	56
Other S. & Cent. America	992	1404	2396	0.2%	*
Total S. & Cent. America	7839	13735	21574	2.2%	405
Bulgaria	13	2698	2711	0.3%	103
Czech Republic	2613	3564	6177	0.6%	95
France	95	21	116	†	32
Germany	24000	43000	67000	6.8%	333
Greece	—	2874	2874	0.3%	47
Hungary	596	3865	4461	0.4%	322
Poland	12113	2196	14309	1.4%	88
Romania	1	3610	3611	0.4%	123
Spain	200	460	660	0.1%	29
Turkey	449	626	1075	0.1%	16
United Kingdom	1000	500	1500	0.2%	47
Other Europe	584	16954	17538	1.8%	335
Total Europe	41664	80368	122032	12.4%	165
Kazakhstan	31000	3000	34000	3.5%	455
Russian Federation	49088	107922	157010	15.9%	*
Ukraine	16388	17968	34356	3.5%	423
Other Former Soviet Union	1000	3812	4812	0.5%	*
Total Former Soviet Union	97476	132702	230178	23.4%	*
South Africa	55333	—	55333	5.6%	247
Zimbabwe	734	—	734	0.1%	177
Other Africa	5095	250	5345	0.5%	*
Middle East	193	—	193	†	193
Total Africa & Middle East	61355	250	61605	6.2%	266
Australia	47300	43100	90400	9.2%	297
China	62200	52300	114500	11.6%	116
India	72733	2000	74733	7.6%	223
Indonesia	770	4450	5220	0.5%	68
Japan	785	—	785	0.1%	249
New Zealand	29	542	571	0.1%	159
North Korea	300	300	600	0.1%	8
Pakistan	—	2928	2928	0.3%	*
South Korea	82	—	82	†	20
Other Asia Pacific	251	2275	2526	0.2%	70
Total Asia Pacific	184450	107895	292345	29.7%	159
TOTAL WORLD	509491	474720	984211	100.0%	227
of which: OECD	206483	240617	447100	45.4%	223
Other EMEs†	205448	78238	283686	28.8%	157

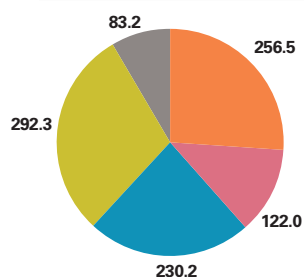
*More than 500 years.

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Distribution of reserves 2000

Thousand million tonnes



	Thousand million tonnes	%
North America	256.5	26.1
Europe	122.0	12.4
Former Soviet Union	230.2	23.4
Asia Pacific	292.3	29.7
Rest of World	83.2	8.4

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/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 level.

Source of reserves data

World Energy Council.

Prices

US dollars per tonne

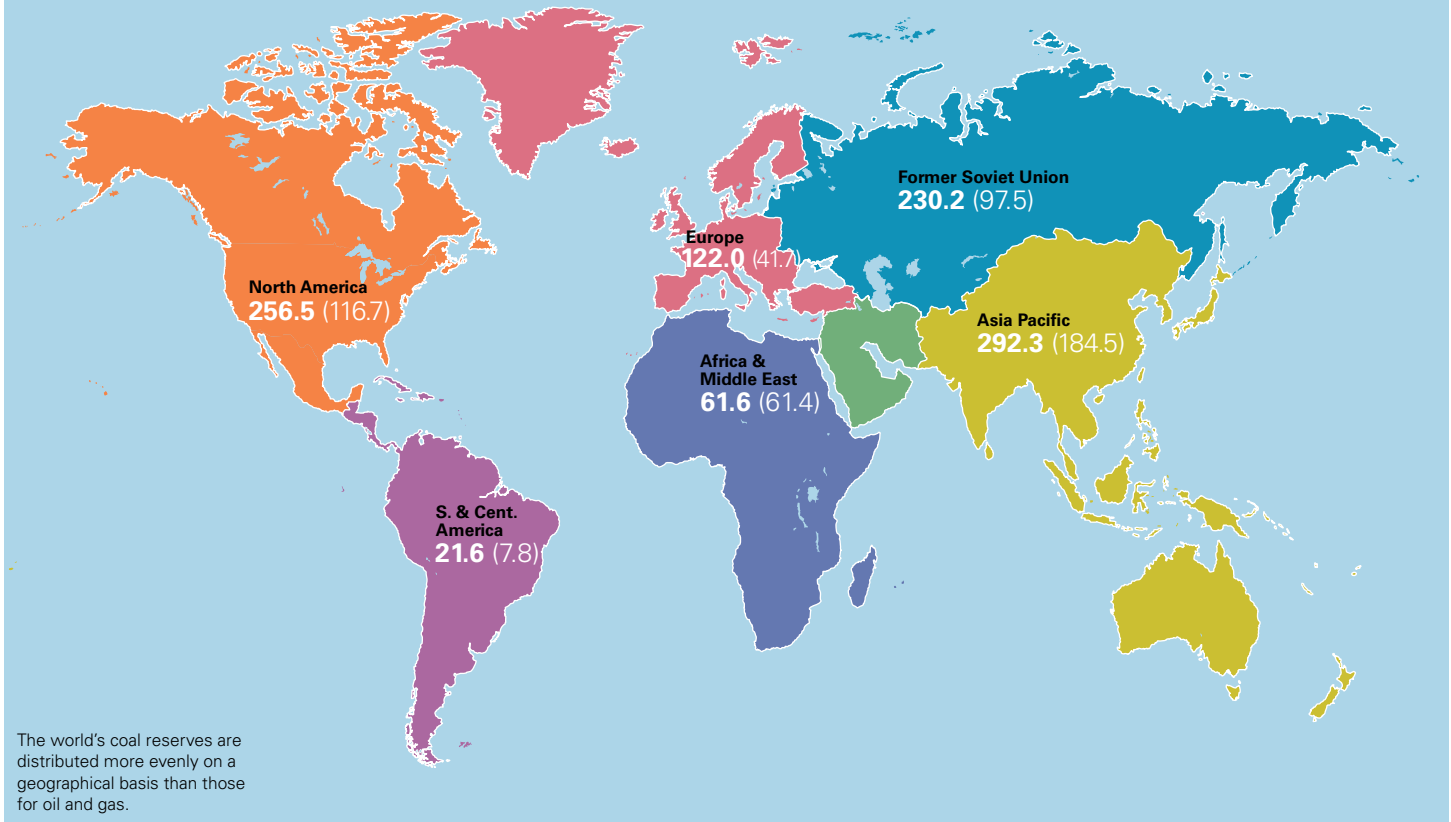
	Marker Price (basis Northwest Europe)*	Price of US coal receipts at steam-electric utility plants	Japan coking coal import cif price	Japan steam coal import cif price
1987	31.30	35.09	53.44	41.28
1988	39.94	33.77	55.06	42.47
1989	42.08	33.21	58.68	48.86
1990	43.48	33.57	60.54	50.81
1991	42.80	33.10	60.45	50.30
1992	38.53	32.35	57.82	48.45
1993	33.68	31.51	55.26	45.71
1994	37.18	30.88	51.77	43.66
1995	44.50	29.78	54.47	47.58
1996	41.25	29.16	56.68	49.54
1997	38.92	28.83	55.51	45.53
1998	32.00	28.26	50.76	40.51
1999	28.79	27.45	42.83	35.74
2000	36.03	27.07	39.69	34.58

*Source of Marker Price: McCloskey Coal Information Service.

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

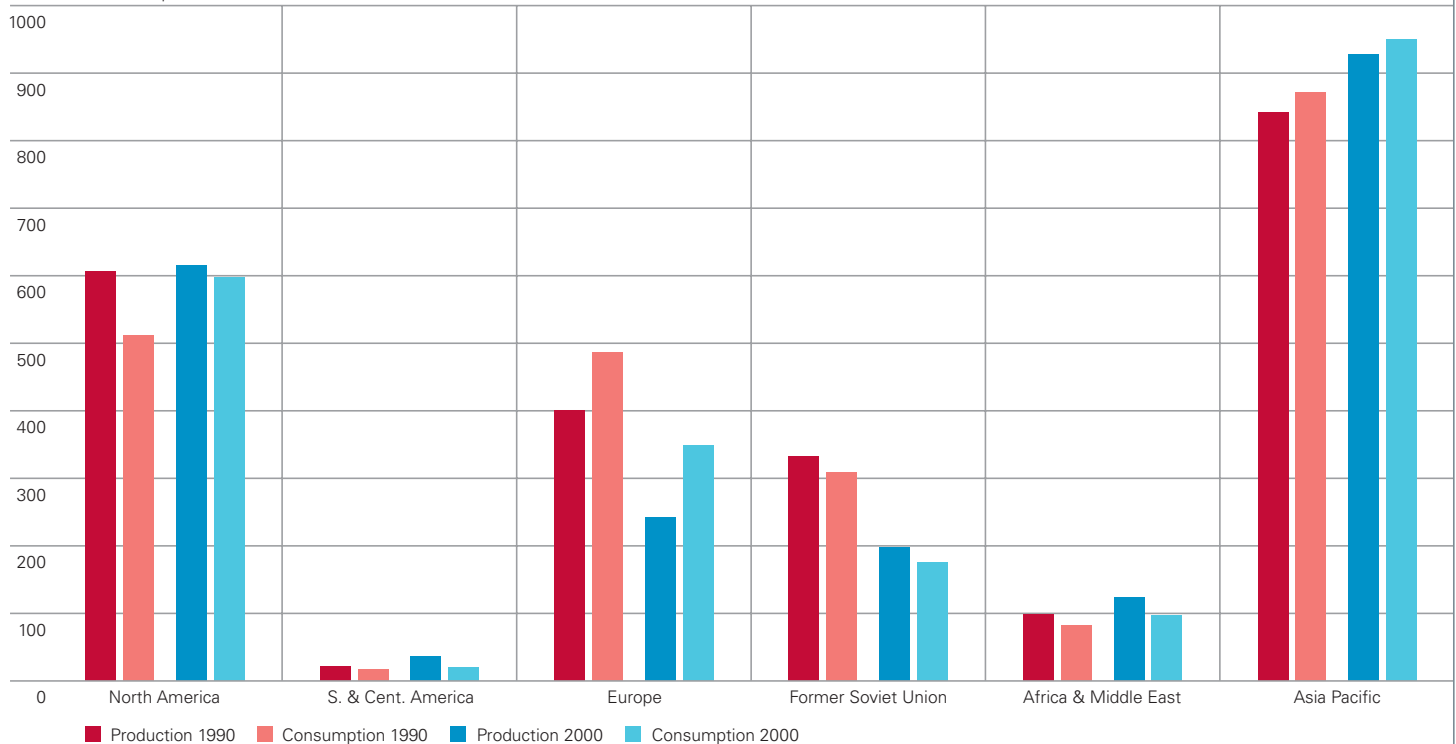
Proved reserves at end 2000

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



Area production and consumption 1990 and 2000

Million tonnes oil equivalent



North American net coal exports have fallen steeply over the last 10 years as steady consumption growth has outstripped almost static production. Net exports from South and Central America and from Africa have increased considerably over the same period. European coal production has fallen even faster than consumption, increasing European net import requirements.

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Consumption*

Million tonnes oil equivalent	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
USA	482.3	478.5	482.7	498.1	502.3	504.6	528.1	540.9	543.2	546.4	564.1	3.3%	25.8%
Canada	24.4	25.5	26.2	23.7	24.5	25.2	25.7	26.8	28.1	27.8	29.3	5.5%	1.3%
Mexico	3.4	3.3	3.4	3.8	4.4	4.9	5.7	5.8	5.9	6.0	6.1	2.1%	0.3%
Total North America	510.1	507.3	512.3	525.6	531.2	534.7	559.5	573.5	577.2	580.2	599.5	3.3%	27.4%
Argentina	1.0	0.8	0.8	0.7	1.2	0.9	0.9	0.8	0.7	0.7	0.7	—	†
Brazil	9.5	10.2	9.9	10.2	10.2	10.7	11.2	11.4	11.2	11.7	12.2	3.9%	0.6%
Chile	2.4	2.0	1.8	1.8	2.2	2.4	3.2	4.2	3.7	4.3	3.5	-18.6%	0.2%
Colombia	3.5	3.7	3.6	3.7	3.6	3.4	3.2	3.1	2.8	2.1	2.2	5.6%	0.1%
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—	—
Peru	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.5	7.5%	†
Venezuela	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	—	†
Other S. & Cent. America	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	3.8%	†
Total S. & Cent. America	17.2	17.6	17.2	17.5	18.3	18.5	19.4	20.7	19.6	20.1	19.9	-0.8%	0.9%
Austria	3.6	3.6	2.8	2.4	2.5	2.4	2.7	3.1	3.0	3.2	3.0	-5.2%	0.1%
Belgium & Luxembourg	10.4	10.8	10.2	8.7	8.5	9.8	7.6	7.5	7.9	6.9	7.3	6.1%	0.3%
Bulgaria	8.9	7.5	7.3	8.2	7.6	7.8	8.4	7.8	8.2	6.6	6.5	-1.1%	0.3%
Czech Republic	33.5	30.4	25.4	23.7	22.0	20.9	21.6	21.2	19.5	17.1	19.3	12.5%	0.9%
Denmark	6.0	8.4	6.7	7.2	7.8	6.6	9.0	6.7	5.6	4.7	4.0	-14.8%	0.2%
Finland	3.3	3.6	2.7	3.1	4.1	3.1	4.0	4.5	3.4	3.6	3.5	-1.5%	0.2%
France	19.1	20.1	17.9	14.7	13.7	14.5	15.4	13.4	16.1	14.2	14.0	-1.0%	0.6%
Germany	129.6	113.3	104.4	97.9	95.6	90.6	89.9	86.8	84.8	80.2	82.7	3.1%	3.8%
Greece	8.0	7.8	8.4	7.9	8.4	8.2	7.8	7.6	8.8	8.8	8.9	0.5%	0.4%
Hungary	5.6	5.8	4.6	4.0	3.6	3.6	3.7	3.7	3.4	3.4	3.2	-6.1%	0.1%
Iceland	0.1	0.1	†	†	0.1	0.1	0.1	0.1	0.1	0.1	0.1	28.4%	†
Republic of Ireland	2.2	2.2	2.0	1.9	1.9	1.9	1.9	2.0	1.9	1.6	1.7	7.6%	0.1%
Italy	14.1	13.7	12.4	10.0	10.7	12.5	11.2	11.0	11.6	11.6	11.7	0.9%	0.5%
Netherlands	9.5	8.2	7.7	8.2	9.0	9.8	9.3	9.5	9.4	7.0	7.9	11.9%	0.4%
Norway	0.5	0.4	0.4	0.5	0.6	0.7	0.6	0.6	0.7	0.7	0.7	-0.3%	†
Poland	80.2	77.6	73.0	74.0	72.3	71.7	73.2	70.1	63.8	61.0	57.1	-6.4%	2.6%
Portugal	2.8	3.0	3.0	3.3	3.4	4.2	3.9	3.6	3.6	3.6	3.6	-0.2%	0.2%
Romania	11.7	9.6	10.3	9.5	9.4	9.7	9.5	8.4	7.0	6.7	8.4	25.0%	0.4%
Slovakia	6.9	6.3	6.2	5.6	5.0	5.1	5.0	4.7	4.5	4.8	4.7	-3.2%	0.2%
Spain	19.0	18.8	19.1	18.2	18.0	18.5	15.5	17.7	17.7	20.5	21.6	5.3%	1.0%
Sweden	2.2	2.4	2.2	2.1	2.1	2.1	2.4	2.1	2.0	2.0	2.0	2.3%	0.1%
Switzerland	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	—	†
Turkey	22.3	22.0	24.9	24.3	23.2	23.2	26.7	28.9	29.6	27.7	27.2	-1.8%	1.3%
United Kingdom	64.9	65.1	61.2	53.3	49.7	47.5	44.8	39.9	40.2	35.6	37.7	5.8%	1.7%
Other Europe	19.3	17.4	16.9	14.9	11.9	12.2	11.7	12.2	13.3	10.1	10.5	4.4%	0.5%
Total Europe	484.0	458.4	429.9	403.7	391.3	386.9	386.0	373.2	366.2	341.8	347.4	1.6%	15.9%
Azerbaijan	0.1	0.1	—	—	—	—	—	—	—	—	—	—	—
Belarus	1.2	1.1	0.7	0.6	0.2	0.3	0.5	0.6	0.4	0.1	0.1	—	†
Kazakhstan	40.2	38.2	39.9	36.4	34.5	27.5	25.9	22.4	22.9	19.8	23.2	16.9%	1.1%
Lithuania	0.6	0.6	0.5	†	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-35.7%	†
Russian Federation	180.6	165.6	154.7	140.8	126.4	119.4	115.7	109.7	102.8	109.4	110.4	0.8%	5.0%
Turkmenistan	0.4	0.3	0.1	—	†	†	†	—	—	—	—	—	—
Ukraine	74.8	62.1	63.9	56.3	46.3	42.1	33.2	38.0	36.9	38.5	38.8	0.7%	1.8%
Uzbekistan	4.1	4.0	2.9	1.9	1.8	1.4	1.2	1.9	1.8	1.8	1.6	-12.5%	0.1%
Other Former Soviet Union	6.0	5.7	2.8	2.7	2.2	1.9	2.1	2.5	1.7	1.0	0.8	-23.0%	†
Total Former Soviet Union	308.0	277.7	265.5	238.7	211.5	192.7	178.7	175.2	166.6	170.7	175.0	2.4%	8.0%
Iran	1.1	1.1	1.2	1.3	1.3	1.4	1.2	0.9	1.0	1.0	1.1	3.1%	†
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Middle East	2.3	2.5	3.1	3.5	3.8	4.1	5.0	5.4	5.8	5.7	6.2	9.1%	0.3%
Total Middle East	3.4	3.6	4.3	4.8	5.1	5.5	6.2	6.3	6.8	6.7	7.3	8.2%	0.3%
Algeria	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.5	0.3	0.3	-0.3%	†
Egypt	0.8	0.7	0.8	0.9	1.0	0.7	0.9	0.9	0.9	0.9	0.9	—	†
South Africa	71.3	70.1	67.3	69.8	73.6	77.4	81.7	84.3	83.4	82.1	81.9	-0.3%	3.8%
Other Africa	6.7	6.0	6.1	6.8	6.5	6.7	6.7	6.9	6.8	6.8	6.6	-3.1%	0.3%
Total Africa	79.3	77.4	74.7	78.0	81.6	85.2	89.7	92.4	91.6	90.1	89.7	-0.5%	4.1%
Australia	39.5	37.4	39.0	36.4	38.7	41.2	43.9	45.4	45.9	45.5	46.7	2.6%	2.1%
Bangladesh	0.3	0.1	0.1	†	†	†	0.2	0.3	0.1	0.2	0.2	16.7%	†
China	533.6	534.9	549.5	570.3	606.4	635.7	676.9	649.3	616.8	512.7	480.1	-6.4%	22.0%
China Hong Kong SAR	5.5	5.9	6.3	7.3	5.2	5.6	4.2	3.5	4.4	3.9	3.7	-5.2%	0.2%
India	106.2	114.4	121.4	125.9	131.6	140.2	151.7	157.4	157.1	154.5	163.4	5.8%	7.5%
Indonesia	4.0	4.1	4.1	4.0	4.8	5.3	7.8	8.3	9.5	10.5	11.5	9.5%	0.5%
Japan	76.0	79.0	78.0	79.2	82.0	86.2	88.3	89.8	88.4	91.5	98.9	8.1%	4.5%
Malaysia	1.3	1.3	1.3	1.3	1.1	1.5	1.5	1.1	1.2	1.2	1.3	8.3%	0.1%
New Zealand	1.3	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	-0.9%	0.1%
Pakistan	2.1	2.0	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	0.1%	0.1%
Philippines	1.0	1.3	1.1	1.3	1.3	1.4	2.0	2.4	2.7	2.9	4.3	48.5%	0.2%
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—
South Korea	24.4	24.5	23.6	25.9	26.7	28.1	32.2	34.8	36.1	38.2	42.9	12.3%	2.0%
Taiwan	11.2	12.2	14.3	15.6	16.6	17.1	19.4	21.9	23.8	24.9	28.9	15.8%	1.3%
Thailand	3.7	4.5	4.8	5.4	6.1	7.1	8.7	8.7	7.3	7.9	8.4	6.0%	0.4%
Other Asia Pacific	58.2	59.7	60.5	61.8	61.5	62.0	61.9	59.3	56.6	53.1	53.6	1.0%	2.4%
Total Asia Pacific	868.3	882.5	907.4	937.8	985.4	1034.8	1102.1	1085.5	1053.1	950.3	947.2	-0.3%	43.4%
TOTAL WORLD	2270.3	2224.5	2211.3	2206.1	2224.4	2258.3	2341.6	2326.8	2281.1	2159.9	2186.0	1.2%	100.0%
of which: OECD	1088.5	1067.0	1043.4	1033.8	1037.2	1043.5	1076.5	1084.8	1081.9	1070.2	1106.5	3.4%	50.6%
European Union 15	294.7	281.0	260.7	238.9	235.4	231.7	225.4	215.4	216.0	203.5	209.6	3.0%	9.6%
Other EMEs†	827.0	839.0	861.7	895.4	941.8	987.3	1051.8	1033.7	999.6	890.8	874.4	-1.9%	40.0%

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

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

oil	natural gas		coal		nuclear energy		hydroelectricity			primary energy			
Consumption*												Change 2000 over 1999	2000 share of total
Million tonnes oil equivalent	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
USA	156.7	166.4	168.1	165.8	173.9	182.9	183.2	170.7	183.0	197.8	204.7	3.5%	30.6%
Canada	18.8	21.9	20.8	24.2	27.8	25.2	23.9	21.3	18.5	19.0	18.7	-1.3%	2.8%
Mexico	0.8	1.1	1.0	1.3	1.1	2.2	2.0	2.7	2.4	2.6	1.8	-28.9%	0.3%
Total North America	176.3	189.4	189.9	191.3	202.8	210.3	209.1	194.7	203.9	219.4	225.2	2.7%	33.7%
Argentina	1.9	2.0	1.8	2.0	2.1	1.8	1.9	2.1	1.9	1.8	1.6	-13.0%	0.2%
Brazil	0.6	0.4	0.5	0.1	†	0.7	0.6	0.8	0.8	1.0	1.4	39.4%	0.2%
Chile	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-	-
Other S. & Cent. America	-	-	-	-	-	-	-	-	-	-	-	-	-
Total S. & Cent. America	2.5	2.4	2.3	2.1	2.1	2.5	2.5	2.9	2.7	2.8	3.0	5.8%	0.4%
Austria	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium & Luxembourg	11.0	11.1	11.2	10.8	10.5	10.7	11.2	12.2	11.9	12.7	12.7	0.5%	1.9%
Bulgaria	3.8	3.4	3.0	3.6	4.0	4.5	4.7	4.6	4.2	3.9	4.9	25.1%	0.7%
Czech Republic	3.2	3.1	3.2	3.3	3.3	3.2	3.3	3.2	3.4	3.4	3.5	1.7%	0.5%
Denmark	-	-	-	-	-	-	-	-	-	-	-	-	-
Finland	4.9	5.0	4.9	5.1	5.0	4.9	5.1	5.4	5.7	6.0	6.2	3.9%	0.9%
France	81.0	85.5	87.3	95.0	92.9	97.3	102.5	102.0	100.1	101.9	107.3	5.3%	16.0%
Germany	39.3	38.1	41.0	39.6	39.0	39.8	41.7	43.9	41.7	43.9	43.8	-0.2%	6.6%
Greece	-	-	-	-	-	-	-	-	-	-	-	-	-
Hungary	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.6	3.7	0.6%	0.6%
Iceland	-	-	-	-	-	-	-	-	-	-	-	-	-
Republic of Ireland	-	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-	-
Netherlands	0.9	0.9	1.0	1.0	1.0	1.0	1.1	0.6	1.0	1.0	1.0	2.4%	0.2%
Norway	-	-	-	-	-	-	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	-	-	-	-	-	-	0.4	1.4	1.4	1.3	1.4	5.0%	0.2%
Slovakia	3.1	3.0	2.9	3.1	3.1	3.0	2.9	2.8	2.9	3.4	4.3	25.7%	0.6%
Spain	14.0	14.3	14.4	14.5	14.3	14.3	14.5	14.3	15.2	15.2	16.0	5.5%	2.4%
Sweden	17.6	19.8	16.4	15.8	18.9	18.1	18.9	18.0	18.2	18.9	14.8	-21.5%	2.2%
Switzerland	6.1	5.9	6.1	6.0	6.3	6.4	6.5	6.6	6.7	6.4	6.8	6.1%	1.0%
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	17.0	18.2	19.8	23.1	22.8	23.0	24.4	25.3	25.8	24.8	24.0	-3.5%	3.6%
Other Europe	1.2	1.3	1.0	1.0	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.3%	0.2%
Total Europe	206.6	213.1	215.8	225.5	225.9	231.0	242.1	245.2	243.1	247.6	251.6	1.6%	37.6%
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-	-	-
Belarus	-	-	-	-	-	-	-	-	-	-	-	-	-
Kazakhstan	-	0.1	0.1	0.1	0.1	†	†	0.1	†	-	-	-	-
Lithuania	4.4	4.4	3.8	3.2	2.0	3.1	3.6	3.1	3.5	2.5	2.2	-14.6%	0.3%
Russian Federation	30.5	31.0	30.9	30.8	25.2	25.6	28.1	27.9	26.9	30.9	33.7	8.8%	5.0%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	19.7	19.4	19.0	19.4	17.8	18.2	20.5	20.5	19.4	18.6	19.9	7.2%	3.0%
Uzbekistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Former Soviet Union	-	-	-	-	-	0.1	0.6	0.4	0.4	0.6	0.5	-11.5%	0.1%
Total Former Soviet Union	54.6	54.9	53.8	53.5	45.1	47.0	52.8	52.0	50.2	52.6	56.3	6.9%	8.4%
Iran	-	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Middle East	-	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-
South Africa	2.3	2.5	2.5	2.0	2.6	3.1	3.2	3.4	3.7	3.5	3.5	1.3%	0.5%
Other Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Africa	2.3	2.5	2.5	2.0	2.6	3.1	3.2	3.4	3.7	3.5	3.5	1.3%	0.5%
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangladesh	-	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	0.1	0.4	3.6	3.3	3.7	3.7	3.9	3.8	4.3	12.8%	0.7%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-
India	1.7	1.4	1.7	1.6	1.3	2.0	2.2	2.6	2.9	3.3	4.1	23.9%	0.6%
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	50.5	54.0	56.2	64.1	66.9	74.3	76.8	83.0	84.4	82.0	82.5	0.7%	12.4%
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-
Pakistan	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	†	0.1	>100.0%	†
Philippines	-	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	13.6	14.5	14.6	15.0	15.1	17.3	19.1	19.9	23.1	26.6	28.1	5.7%	4.2%
Taiwan	8.5	9.1	8.7	8.9	9.0	9.1	9.7	9.4	9.5	9.9	9.9	0.2%	1.5%
Thailand	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Asia Pacific	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Asia Pacific	74.4	79.1	81.4	90.1	96.1	106.1	111.6	118.7	123.9	125.6	129.0	2.8%	19.4%
TOTAL WORLD	516.7	541.4	545.7	564.5	574.6	600.0	621.3	616.9	627.5	651.5	668.6	2.7%	100.0%
of which: OECD	438.9	463.3	469.6	488.2	502.4	524.2	537.9	532.7	544.7	565.8	575.6	1.8%	86.1%
European Union 15	185.7	192.9	196.0	204.9	204.4	209.1	219.4	221.7	219.6	224.4	225.8	0.7%	33.8%
Other EMEs†	15.1	15.5	15.4	15.1	18.8	20.1	21.4	22.1	22.8	23.3	24.9	6.9%	3.7%

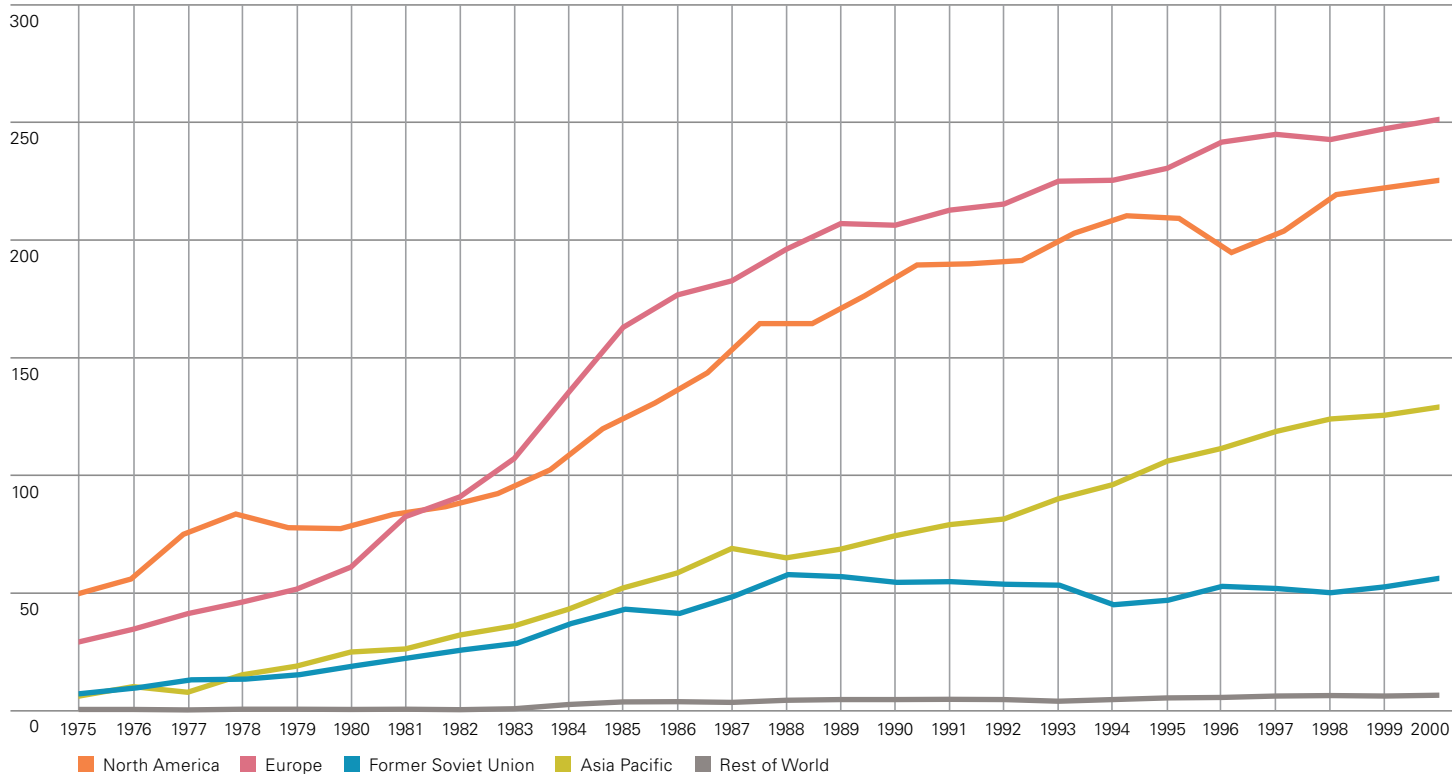
*Converted on the basis of the average thermal efficiency of a modern nuclear power plant (i.e. 33% efficiency).

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Consumption by area

Million tonnes oil equivalent



2000 was another year of strong growth for nuclear energy, at 2.7%. Nuclear power generation increased in all regions of the world.

oil

natural gas

coal

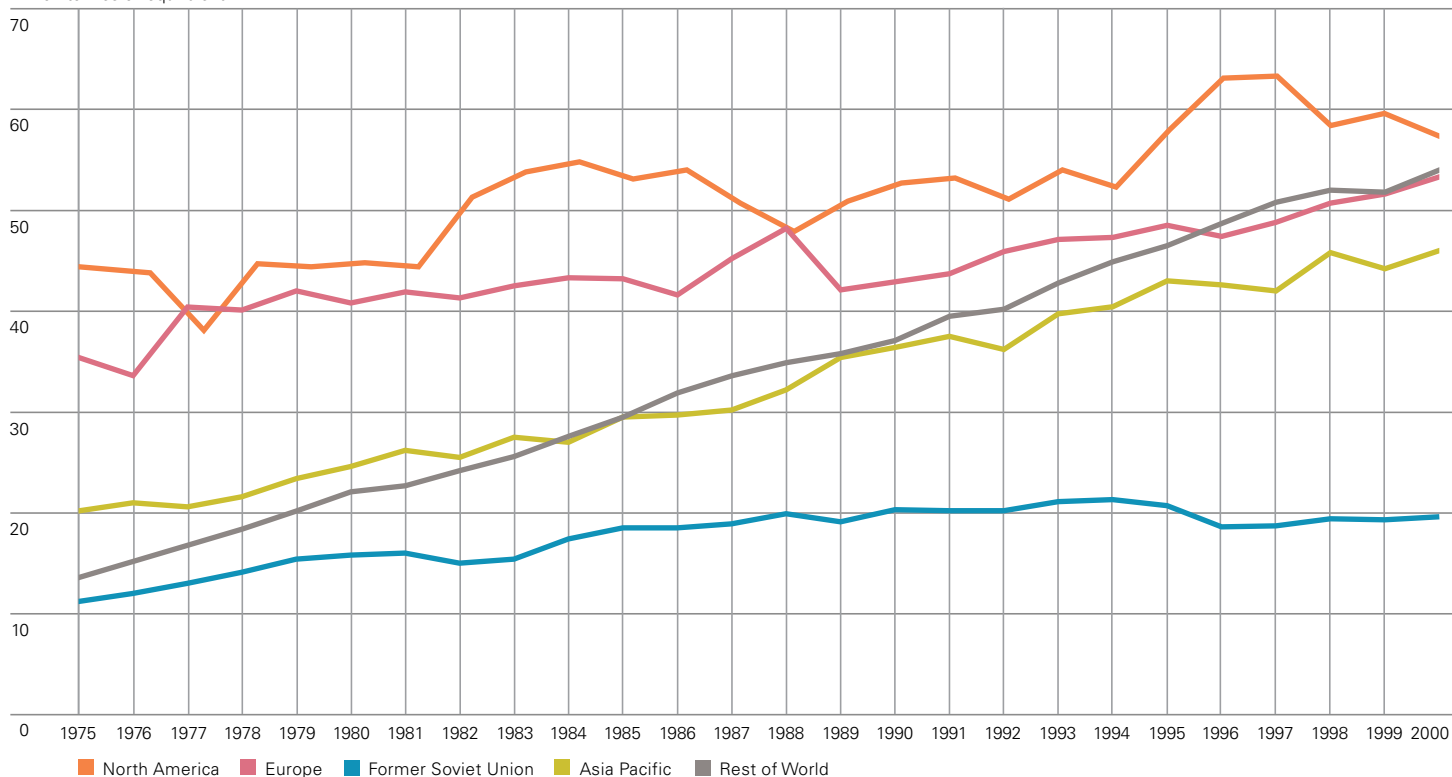
nuclear energy

hydroelectricity

primary energy

Consumption by area

Million tonnes oil equivalent



Consumption of hydro-generated electricity continued to grow in 2000, with steady increases in Europe, Asia Pacific, the Former Soviet Union and the Rest of World more than offsetting a decline in North America.

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Consumption*

Million tonnes oil equivalent	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Change 2000 over 1999	2000 share of total
USA	1932.2	1929.3	1961.9	2002.1	2044.8	2080.6	2146.3	2158.3	2170.1	2222.0	2278.6	2.5%	26.0%
Canada	202.1	205.4	209.2	214.2	222.9	219.4	225.6	227.7	221.9	224.6	231.8	3.2%	2.6%
Mexico	99.0	101.7	102.8	103.8	111.6	107.5	112.2	116.6	122.5	122.8	127.4	3.8%	1.5%
Total North America	2233.3	2236.4	2273.9	2320.1	2379.3	2407.5	2484.1	2502.6	2514.5	2569.4	2637.8	2.7%	30.1%
Argentina	41.0	43.4	44.0	45.6	47.0	48.8	50.9	52.2	54.5	55.6	54.1	-2.6%	0.6%
Brazil	89.7	91.8	95.2	97.4	100.9	106.7	113.8	121.5	126.0	127.5	132.7	4.1%	1.5%
Chile	11.3	11.3	12.1	12.7	14.0	15.1	16.8	19.7	19.4	20.7	22.1	6.7%	0.3%
Colombia	19.1	19.4	19.9	20.7	21.2	21.9	22.7	23.5	23.0	20.3	20.6	1.8%	0.2%
Ecuador	4.7	5.3	5.1	5.4	5.9	5.6	6.3	7.2	7.3	6.7	7.2	7.5%	0.1%
Peru	7.1	6.9	7.0	7.5	8.1	8.9	9.1	9.1	9.4	9.5	9.2	-3.4%	0.1%
Venezuela	41.5	42.4	43.5	44.6	46.4	49.4	50.6	53.3	55.9	51.5	52.9	2.7%	0.6%
Other S. & Cent. America	55.2	55.7	57.2	59.2	62.1	64.1	66.5	68.3	70.4	71.6	72.8	1.6%	0.8%
Total S. & Cent. America	269.6	276.2	284.0	293.1	305.6	320.5	336.7	354.8	365.9	363.4	371.6	2.3%	4.2%
Austria	22.3	23.5	22.7	22.8	22.7	23.1	24.1	25.1	25.7	26.1	25.4	-2.7%	0.3%
Belgium & Luxembourg	55.8	57.5	57.7	55.9	55.7	57.7	60.2	61.5	64.1	65.4	66.7	2.0%	0.8%
Bulgaria	27.0	21.6	20.4	21.9	21.1	22.5	23.5	20.8	20.6	18.6	19.5	5.3%	0.2%
Czech Republic	50.2	46.1	40.7	39.3	38.3	38.8	41.1	40.2	39.0	36.7	38.6	5.2%	0.4%
Denmark	16.8	19.5	17.9	19.2	20.7	20.2	24.1	21.7	20.6	19.9	18.8	-5.4%	0.2%
Finland	22.3	22.6	21.8	21.8	23.2	21.9	23.4	24.1	24.2	24.6	24.9	1.2%	0.3%
France	220.9	233.0	234.2	235.7	229.6	237.0	247.4	244.1	250.2	253.0	258.2	2.1%	2.9%
Germany	351.8	342.7	338.2	335.4	332.8	334.6	346.0	340.3	336.6	330.6	329.4	-0.4%	3.8%
Greece	24.0	23.9	24.8	24.9	25.5	26.2	26.4	26.6	28.1	29.1	29.8	2.4%	0.3%
Hungary	27.1	26.0	23.7	23.3	23.8	24.0	24.7	24.2	24.2	24.1	23.4	-2.8%	0.3%
Iceland	1.1	1.0	1.1	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.6	5.6%	†
Republic of Ireland	8.5	9.0	9.0	9.3	9.8	10.1	10.7	11.5	12.2	13.1	13.5	3.7%	0.2%
Italy	149.8	151.6	151.9	148.6	148.1	156.5	155.8	157.4	161.9	165.9	166.0	0.1%	1.9%
Netherlands	76.4	79.2	78.2	79.8	79.6	82.8	85.3	84.8	84.6	82.7	85.1	2.9%	1.0%
Norway	22.0	20.8	21.8	22.7	22.6	23.5	22.5	23.8	24.1	24.4	25.8	5.6%	0.3%
Poland	105.3	100.8	94.7	96.5	95.7	95.9	100.2	98.1	93.5	90.5	88.0	-2.7%	1.0%
Portugal	14.7	15.3	16.3	16.1	16.4	17.8	17.3	18.5	20.5	22.2	25.5	15.0%	0.3%
Romania	59.0	48.7	46.8	45.5	43.5	46.2	46.0	42.9	38.8	34.5	34.5	-0.1%	0.4%
Slovakia	20.5	18.7	18.1	16.9	16.4	16.9	17.2	16.9	16.8	17.4	17.2	-0.8%	0.2%
Spain	89.0	90.5	94.0	92.0	94.7	98.8	100.8	108.2	114.5	120.2	125.9	4.7%	1.4%
Sweden	43.1	43.8	42.1	41.3	43.8	42.8	43.9	42.9	43.5	43.9	39.6	-9.8%	0.5%
Switzerland	23.5	23.9	24.2	23.7	24.6	23.7	23.8	24.8	25.1	25.1	24.8	-1.1%	0.3%
Turkey	49.5	50.1	54.8	58.6	57.5	60.8	68.0	70.7	71.8	71.0	74.1	4.3%	0.8%
United Kingdom	212.6	217.2	215.9	218.6	215.5	216.3	227.5	222.4	225.7	223.4	226.1	1.2%	2.6%
Other Europe	48.2	44.1	38.2	36.0	31.7	33.1	36.4	38.0	39.2	35.0	35.4	1.2%	0.4%
Total Europe	1741.4	1731.1	1709.2	1707.0	1694.5	1732.4	1797.6	1790.9	1806.9	1798.9	1817.8	1.1%	20.8%
Azerbaijan	22.9	22.0	18.8	16.2	15.6	15.9	12.4	11.2	10.7	11.5	12.4	8.1%	0.1%
Belarus	38.4	38.1	37.1	28.6	25.3	23.6	21.4	23.5	21.8	20.0	20.1	0.7%	0.2%
Kazakhstan	73.6	72.5	73.1	64.6	56.9	50.0	44.8	39.8	38.2	33.6	37.2	10.9%	0.4%
Lithuania	17.5	18.1	11.5	8.6	7.5	8.5	9.3	8.9	9.5	8.0	7.7	-3.7%	0.1%
Russian Federation	853.3	842.4	800.4	749.6	681.3	646.4	629.1	595.6	595.2	606.8	621.3	2.4%	7.1%
Turkmenistan	13.7	14.0	13.5	11.6	12.9	11.1	12.0	12.1	13.5	14.7	16.1	10.1%	0.2%
Ukraine	273.4	249.3	219.5	185.1	158.1	148.6	142.9	140.0	133.8	135.0	131.7	-2.4%	1.5%
Uzbekistan	50.5	48.9	46.1	47.2	46.8	46.7	48.1	50.0	51.6	53.8	53.8	†	0.6%
Other Former Soviet Union	54.8	43.7	33.0	25.4	20.1	18.7	17.2	18.8	18.3	16.4	17.2	4.5%	0.2%
Total Former Soviet Union	1398.1	1349.0	1253.0	1136.9	1024.5	969.5	937.2	899.9	892.6	899.8	917.5	2.0%	10.4%
Iran	69.1	71.2	74.4	76.9	84.0	92.0	98.5	102.9	104.8	109.3	115.0	5.2%	1.3%
Kuwait	11.1	4.1	7.5	9.8	11.4	14.2	15.7	16.4	16.8	16.4	16.7	1.9%	0.2%
Qatar	6.7	7.7	12.2	13.0	13.0	13.1	13.4	14.3	14.5	15.4	14.2	-8.2%	0.2%
Saudi Arabia	81.3	87.0	85.8	88.1	92.0	90.1	93.7	96.6	100.9	102.5	104.7	2.1%	1.2%
United Arab Emirates	27.9	34.9	33.8	34.9	37.7	40.3	42.3	42.4	39.2	41.3	44.3	7.2%	0.5%
Other Middle East	60.3	57.2	63.5	65.8	68.5	74.4	78.8	84.5	87.6	90.1	92.3	2.4%	1.1%
Total Middle East	256.4	262.1	277.2	288.5	306.6	324.1	342.4	357.1	363.8	375.0	387.2	3.2%	4.5%
Algeria	24.2	25.1	25.7	26.4	26.8	27.8	27.8	26.5	27.5	28.4	30.7	8.2%	0.4%
Egypt	31.6	31.9	31.9	32.2	32.8	34.8	36.7	38.3	40.0	42.7	44.3	3.9%	0.5%
South Africa	90.5	89.6	87.2	89.9	95.2	100.7	105.9	109.1	108.7	107.7	108.3	0.5%	1.2%
Other Africa	65.9	66.1	68.8	71.1	73.2	75.0	77.1	78.8	81.2	83.9	86.1	2.7%	1.0%
Total Africa	212.2	212.7	213.6	219.6	228.0	238.3	247.5	252.7	257.4	262.7	269.4	2.6%	3.1%
Australia	89.0	84.9	86.4	86.2	91.6	95.3	99.1	101.4	102.6	102.8	106.0	3.1%	1.2%
Bangladesh	6.5	6.6	7.1	7.7	8.2	9.6	9.9	10.5	10.2	10.8	12.8	18.1%	0.1%
China	668.0	677.0	703.7	738.2	788.8	831.6	887.0	872.1	845.4	759.7	752.7	-0.9%	8.6%
China Hong Kong SAR	11.8	12.2	14.4	15.6	14.1	15.1	15.0	15.1	15.4	15.6	15.5	-0.9%	0.2%
India	182.7	193.7	205.4	210.9	222.8	239.3	257.7	268.5	275.0	281.5	294.2	4.5%	3.4%
Indonesia	52.3	56.3	60.2	63.8	66.9	72.0	79.1	83.2	78.9	82.9	88.4	6.6%	1.0%
Japan	428.3	443.2	449.7	454.9	477.2	490.6	500.8	504.5	497.9	505.9	511.3	1.1%	5.8%
Malaysia	21.5	23.6	25.2	28.9	31.4	32.3	35.3	36.7	36.1	39.0	41.7	6.9%	0.5%
New Zealand	12.0	12.1	12.7	12.7	12.9	13.1	13.5	13.9	13.4	14.1	14.4	2.3%	0.2%
Pakistan	24.4	25.1	26.7	28.7	30.7	33.2	34.8	34.9	36.2	37.7	40.4	7.0%	0.5%
Philippines	13.0	12.8	15.2	15.8	16.7	18.8	20.2	21.7	22.2	21.6	21.7	0.7%	0.2%
Singapore	20.3	20.6	22.7	24.4	28.1	29.3	28.9	30.4	30.6	29.6	30.4	2.8%	0.3%
South Korea	91.1	102.9	115.5	126.4	136.8	149.9	165.4	180.2	166.5	181.9	192.3	5.7%	2.2%
Taiwan	48.9	52.0	55.0	58.0	62.2	65.6	68.8	72.7	77.2	81.1	85.5	5.5%	1.0%
Thailand	28.8	32.6	35.5	40.1	44.8	51.4	57.4	60.2	57.4	59.2	61.8	4.5%	0.7%
Other Asia Pacific	76.1	77.3	78.7	81.5	82.0	83.5	85.4	83.9	82.3	79.6	82.0	3.0%	1.0%
Total Asia Pacific	1774.7	1832.9	1914.1	1993.8	2115.2	2230.6	2358.3	2389.9	2347.3	2303.0	2351.1	2.1%	26.9%
TOTAL WORLD	7885.7	7900.4	7925.0	7959.0	8053.7	8222.9	8503.8	8547.9	8548.4	8572.2	8752.4	2.1%	100.0%
of which: OECD	4440.4	4477.5	4523.9	4587.0	4679.6	4770.1	4937.4	4974.9	4986.4	5067.5	5173.0	2.1%	59.1%
European Union 15	1308.0	1329.3	1324.7	1321.4	1318.1	1345.8	1392.9	1389.1	1412.4	1420.1	1434.9	1.1%	16.4%
Other EMEs†	1892.5	1940.8	2024.6	2114.8	2236.9	2364.6	2506.1	2554.5	2554.0	2499.4	2555.3	2.2%	29.2%

*In this Review, primary energy comprises commercially traded fuels only. Excluded, therefore, are fuels such as wood, peat and animal waste which, though important in many countries, are unreliably documented in terms of consumption statistics.

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

Consumption by fuel*

Million tonnes oil equivalent	1999						2000					
	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Total	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Total
USA	888.9	561.7	546.4	197.8	27.2	2222.0	897.4	588.9	564.1	204.7	23.4	2278.6
Canada	82.9	65.4	27.8	19.0	29.6	224.6	82.9	70.1	29.3	18.7	30.8	231.8
Mexico	80.8	30.6	6.0	2.6	2.8	122.8	84.3	32.0	6.1	1.8	3.2	127.4
Total North America	1052.6	657.7	580.2	219.4	59.6	2569.4	1064.6	691.0	599.5	225.2	57.4	2637.8
Argentina	20.8	30.4	0.7	1.8	1.9	55.6	20.1	29.8	0.7	1.6	2.0	54.1
Brazil	83.2	6.4	11.7	1.0	25.2	127.5	84.4	8.5	12.2	1.4	26.2	132.7
Chile	11.7	3.6	4.3	–	1.2	20.7	11.8	5.2	3.5	–	1.6	22.1
Colombia	10.6	4.7	2.1	–	2.9	20.3	10.5	5.3	2.2	–	2.6	20.6
Ecuador	6.0	0.1	–	–	0.6	6.7	6.5	0.1	–	–	0.7	7.2
Peru	7.4	0.5	0.5	–	1.2	9.5	7.0	0.4	0.5	–	1.3	9.2
Venezuela	21.9	24.1	0.3	–	5.2	51.5	22.6	24.5	0.3	–	5.5	52.9
Other S. & Cent. America	55.1	9.3	0.5	–	6.7	71.6	55.8	9.7	0.5	–	6.8	72.8
Total S. & Cent. America	216.7	79.1	20.1	2.8	44.9	363.4	218.7	83.5	19.9	3.0	46.7	371.6
Austria	12.1	7.2	3.2	–	3.6	26.1	11.5	7.1	3.0	–	3.7	25.4
Belgium & Luxembourg	32.4	13.3	6.9	12.7	0.2	65.4	33.1	13.4	7.3	12.7	0.2	66.7
Bulgaria	4.9	2.8	6.6	3.9	0.2	18.6	5.0	2.8	6.5	4.9	0.3	19.5
Czech Republic	8.2	7.7	17.1	3.4	0.2	36.7	7.9	7.7	19.3	3.5	0.2	38.6
Denmark	10.6	4.5	4.7	–	†	19.9	10.4	4.4	4.0	–	†	18.8
Finland	10.7	3.3	3.6	6.0	1.1	24.6	10.5	3.4	3.5	6.2	1.3	24.9
France	96.4	33.9	14.2	101.9	6.6	253.0	95.1	35.6	14.0	107.3	6.2	258.2
Germany	132.4	72.1	80.2	43.9	2.0	330.6	129.5	71.3	82.7	43.8	2.1	329.4
Greece	18.7	1.2	8.8	–	0.4	29.1	19.1	1.5	8.9	–	0.3	29.8
Hungary	7.1	9.9	3.4	3.6	†	24.1	6.9	9.6	3.2	3.7	†	23.4
Iceland	0.9	–	0.1	–	0.5	1.5	0.9	–	0.1	–	0.5	1.6
Republic of Ireland	8.3	3.0	1.6	–	0.1	13.1	8.3	3.4	1.7	–	0.1	13.5
Italy	94.4	56.0	11.6	–	3.9	165.9	93.0	57.4	11.7	–	3.8	166.0
Netherlands	40.6	34.1	7.0	1.0	†	82.7	41.8	34.5	7.9	1.0	†	85.1
Norway	10.1	3.2	0.7	–	10.5	24.4	9.4	3.5	0.7	–	12.2	25.8
Poland	19.9	9.3	61.0	–	0.4	90.5	20.6	10.0	57.1	–	0.4	88.0
Portugal	15.4	2.0	3.6	–	1.1	22.2	15.3	5.4	3.6	–	1.1	25.5
Romania	9.5	15.5	6.7	1.3	1.6	34.5	8.9	14.6	8.4	1.4	1.3	34.5
Slovakia	3.0	5.8	4.8	3.4	0.4	17.4	2.8	5.1	4.7	4.3	0.4	17.2
Spain	68.4	13.5	20.5	15.2	2.6	120.2	70.1	15.2	21.6	16.0	3.1	125.9
Sweden	16.1	0.8	2.0	18.9	6.2	43.9	15.2	0.8	2.0	14.8	6.8	39.6
Switzerland	12.6	2.4	0.1	6.4	3.5	25.1	12.2	2.4	0.1	6.8	3.3	24.8
Turkey	29.5	10.8	27.7	–	3.0	71.0	31.5	12.7	27.2	–	2.7	74.1
United Kingdom	79.4	82.8	35.6	24.8	0.7	223.4	77.6	86.1	37.7	24.0	0.7	226.1
Other Europe	16.3	4.6	10.1	1.2	2.7	35.0	16.0	5.0	10.5	1.2	2.7	35.4
Total Europe	757.9	399.7	341.8	247.6	51.5	1798.9	752.6	412.9	347.4	251.6	53.4	1817.8
Azerbaijan	6.3	5.0	–	–	0.1	11.5	7.4	4.9	–	–	0.1	12.4
Belarus	6.1	13.8	0.1	–	†	20.0	5.4	14.6	0.1	–	†	20.1
Kazakhstan	6.0	7.1	19.8	–	0.6	33.6	6.2	7.2	23.2	–	0.6	37.2
Lithuania	3.1	2.2	0.1	2.5	0.1	8.0	2.9	2.4	0.1	2.2	0.1	7.7
Russian Federation	126.2	326.4	109.4	30.9	13.8	606.8	123.5	339.5	110.4	33.7	14.2	621.3
Turkmenistan	4.5	10.2	–	–	–	14.7	4.8	11.3	–	–	–	16.1
Ukraine	13.3	63.6	38.5	18.6	1.0	135.0	10.4	61.6	38.8	19.9	0.9	131.7
Uzbekistan	7.1	44.3	1.8	–	0.6	53.8	6.8	44.8	1.6	–	0.6	53.8
Other Former Soviet Union	4.7	7.1	1.0	0.6	3.1	16.4	5.7	7.1	0.8	0.5	3.1	17.2
Total Former Soviet Union	177.3	479.7	170.7	52.6	19.3	899.8	173.1	493.4	175.0	56.3	19.6	917.5
Iran	58.4	49.5	1.0	–	0.4	109.3	56.9	56.6	1.1	–	0.4	115.0
Kuwait	8.6	7.8	–	–	–	16.4	8.0	8.6	–	–	–	16.7
Qatar	1.1	14.3	–	–	–	15.4	1.1	13.0	–	–	–	14.2
Saudi Arabia	60.9	41.6	–	–	–	102.5	62.4	42.3	–	–	–	104.7
United Arab Emirates	13.0	28.3	–	–	–	41.3	14.3	30.0	–	–	–	44.3
Other Middle East	65.0	19.1	5.7	–	0.3	90.1	66.3	19.5	6.2	–	0.3	92.3
Total Middle East	207.0	160.6	6.7	–	0.7	375.0	209.0	170.0	7.3	–	0.7	387.2
Algeria	8.1	20.0	0.3	–	†	28.4	8.5	21.9	0.3	–	†	30.7
Egypt	27.8	12.9	0.9	–	1.1	42.7	26.2	16.1	0.9	–	1.1	44.3
South Africa	21.8	–	82.1	3.5	0.3	107.7	22.5	–	81.9	3.5	0.3	108.3
Other Africa	58.2	14.0	6.8	–	4.9	83.9	59.5	14.9	6.6	–	5.1	86.1
Total Africa	115.9	46.9	90.1	3.5	6.3	262.7	116.7	52.9	89.7	3.5	6.5	269.4
Australia	38.0	17.8	45.5	–	1.5	102.8	38.7	19.1	46.7	–	1.4	106.0
Bangladesh	3.2	7.5	0.2	–	0.1	10.8	3.3	9.3	0.2	–	0.1	12.8
China	207.2	19.3	512.7	3.8	16.8	759.7	226.9	22.3	480.1	4.3	19.0	752.7
China Hong Kong SAR	9.3	2.4	3.9	–	–	15.6	9.6	2.2	3.7	–	–	15.5
India	95.2	21.4	154.5	3.3	7.1	281.5	97.6	22.5	163.4	4.1	6.6	294.2
Indonesia	46.8	24.8	10.5	–	0.8	82.9	51.1	25.0	11.5	–	0.8	88.4
Japan	257.3	67.1	91.5	82.0	8.0	505.9	253.5	68.6	98.9	82.5	7.9	511.3
Malaysia	20.3	17.1	1.2	–	0.4	39.0	20.5	19.5	1.3	–	0.4	41.7
New Zealand	6.3	4.7	1.2	–	2.0	14.1	6.3	4.9	1.2	–	2.1	14.4
Pakistan	18.2	15.6	2.1	†	1.8	37.7	19.6	17.1	2.1	0.1	1.6	40.4
Philippines	18.0	†	2.9	–	0.7	21.6	16.8	†	4.3	–	0.7	21.7
Singapore	28.3	1.4	–	–	–	29.6	29.1	1.4	–	–	–	30.4
South Korea	99.7	16.8	38.2	26.6	0.5	181.9	101.8	18.9	42.9	28.1	0.5	192.3
Taiwan	39.9	5.6	24.9	9.9	0.8	81.1	39.8	6.2	28.9	9.9	0.8	85.5
Thailand	35.4	15.6	7.9	–	0.3	59.2	34.1	18.8	8.4	–	0.5	61.8
Other Asia Pacific	18.6	4.4	53.1	–	3.5	79.6	20.2	4.5	53.6	–	3.7	82.0
Total Asia Pacific	941.7	241.5	950.3	125.6	44.3	2303.0	968.9	260.3	947.2	129.0	46.1	2351.1
TOTAL WORLD	3469.1	2065.2	2159.9	651.5	226.6	8572.2	3503.6	2164.0	2186.0	668.6	230.4	8752.4
of which: OECD	2178.1	1135.1	1070.2	565.8	118.2	5067.5	2184.8	1187.9	1106.5	575.6	118.0	5173.0
European Union 15	635.9	327.7	203.5	224.4	28.5	1420.1	630.5	339.5	209.6	225.8	29.4	1434.9
Other EMES†	1079.8	421.7	890.8	23.3	84.2	2499.4	1112.7	455.2	874.4	24.9	88.1	2555.3

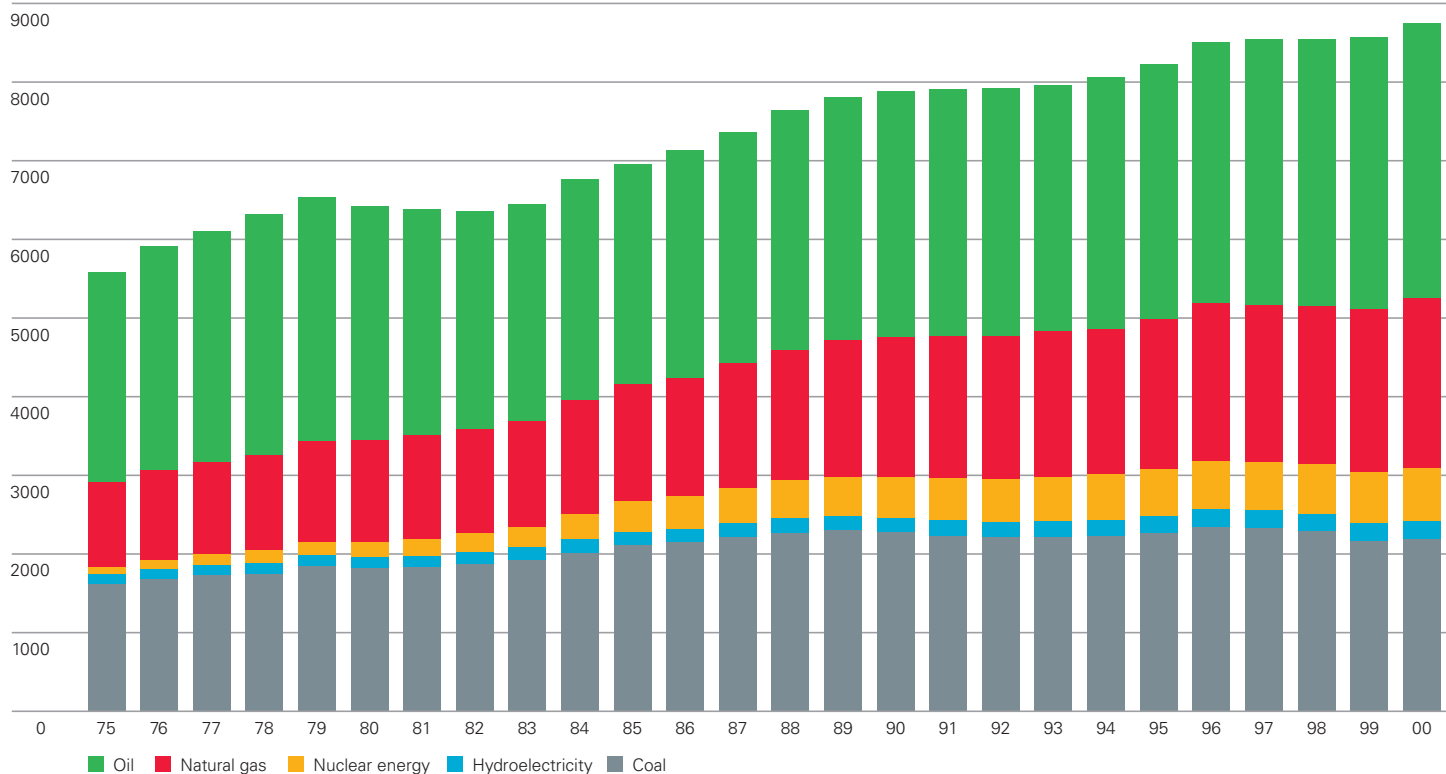
*In this Review, primary energy comprises commercially traded fuels only. Excluded, therefore, are fuels such as wood, peat and animal waste which, though important in many countries, are unreliably documented in terms of consumption statistics.

†Less than 0.05.

‡Excludes Central Europe and Former Soviet Union.

World consumption

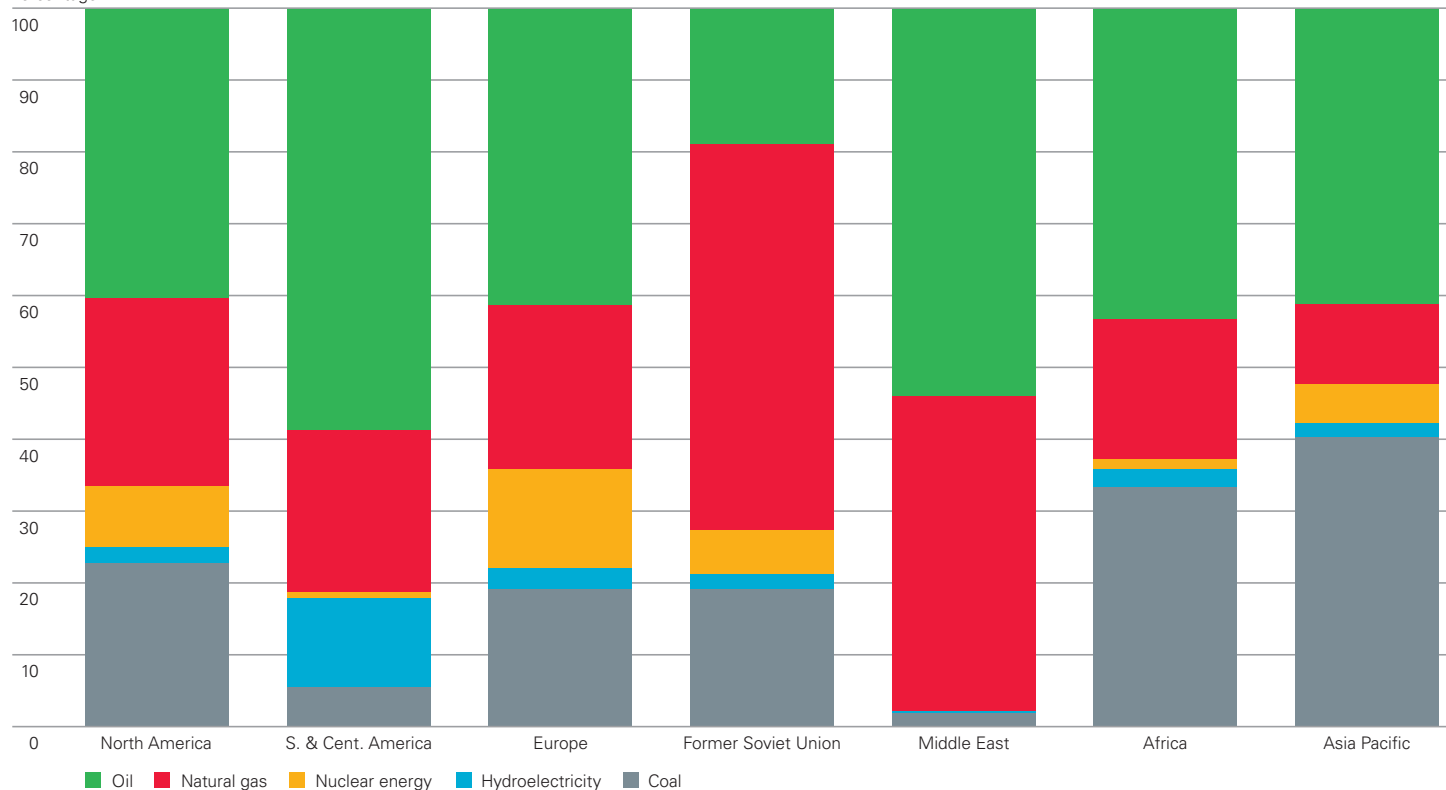
Million tonnes oil equivalent



Total primary energy consumption increased by over 2% in 2000, well above the sub-1% pace of the previous three years. Natural gas was once again the fastest-growing fuel, followed by nuclear energy.

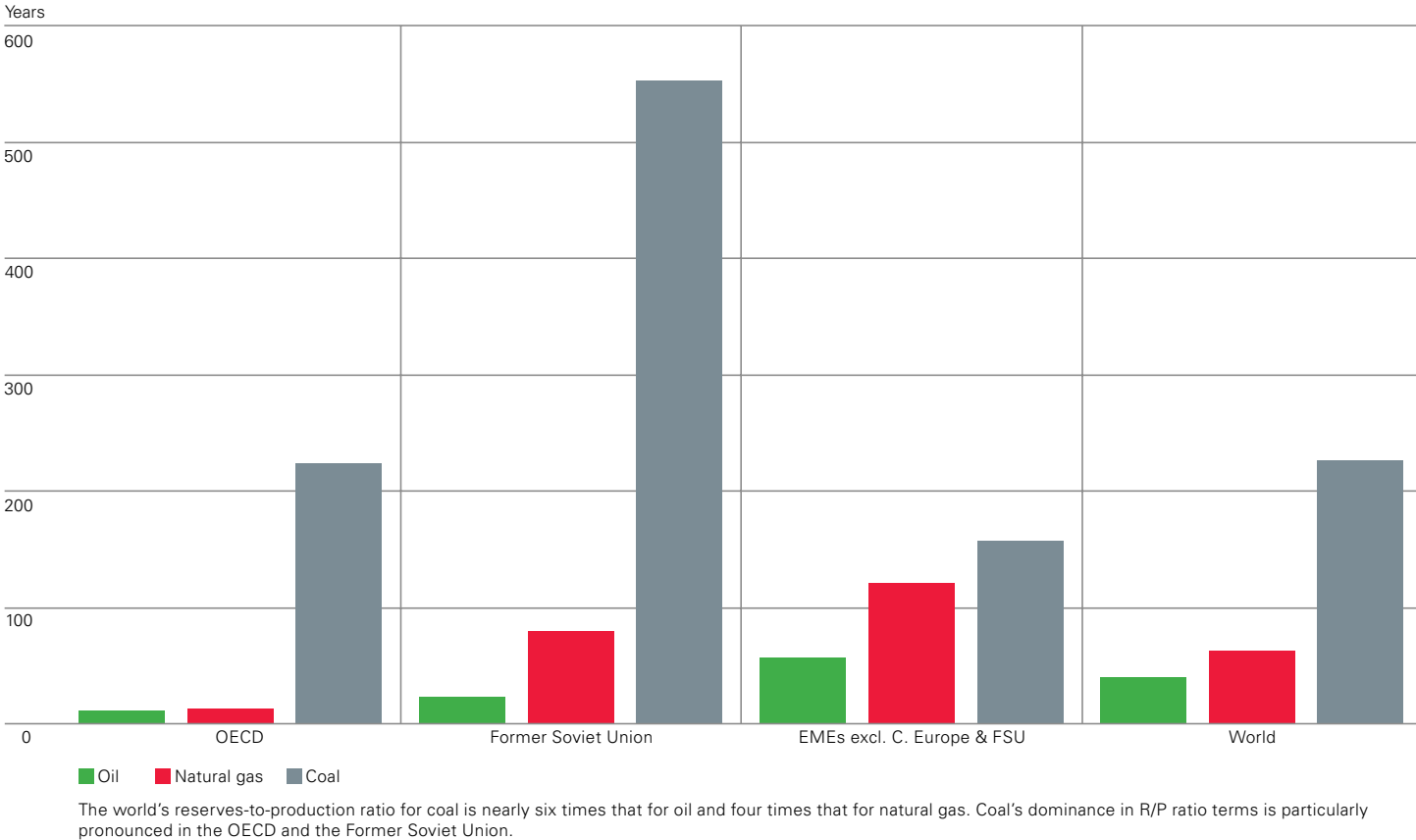
Regional consumption pattern 2000

Percentage

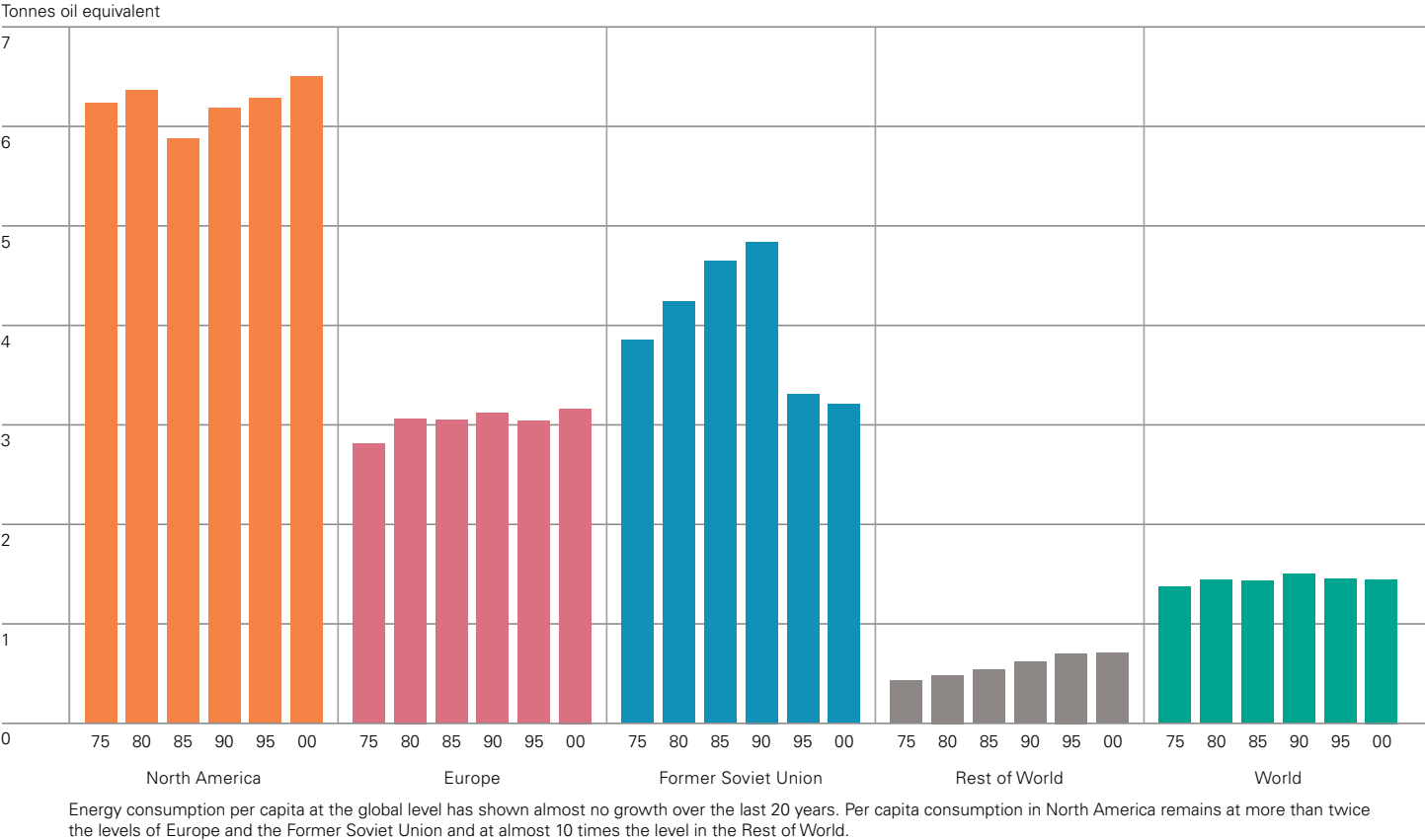


Oil remains the largest single source of energy in all regions of the world, except for the Former Soviet Union, where natural gas is the prime fuel.

Fossil fuel R/P ratios at end 2000



Energy consumption per capita



Approximate conversion factors

	To tonnes (metric)	kilotres	barrels	US gallons	tonnes/ year
Crude oil*					
From	Multiply by				
Tonnes (metric)	1	1.165	7.33	308	–
Kilotres	0.858	1	6.2898	264	–
Barrels	0.136	0.159	1	42	–
US gallons	0.00325	0.0038	0.0238	1	–
Barrels/day	–	–	–	–	49.8

*Based on worldwide average gravity.

	To convert barrels to tonnes	tonnes to barrels	kilotres to tonnes	tonnes to kilotres
Products				
	Multiply by			
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

	To billion cubic metres NG	billion cubic feet NG	million tonnes oil equivalent	million tonnes LNG	trillion British thermal units	million barrels oil equivalent
Natural gas and LNG						
From	Multiply by					
1 billion cubic metres NG	1	35.3	0.90	0.73	36	6.29
1 billion cubic feet NG	0.028	1	0.026	0.021	1.03	0.18
1 million tonnes oil equivalent	1.111	39.2	1	0.805	40.4	7.33
1 million tonnes LNG	1.38	48.7	1.23	1	52.0	8.68
1 trillion British thermal units	0.028	0.98	0.025	0.02	1	0.17
1 million barrels oil equivalent	0.16	5.61	0.14	0.12	5.8	1

Units

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

Calorific equivalents

One tonne of oil equivalent equals approximately:

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

One million tonnes of oil produces about 4000 gigawatt-hours of electricity in a modern power station.

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.

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*Special Administrative Region.

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