BP Statistical Review of World Energy June 2012

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BP Statistical Review of World Energy June 2012 uses the following icons and colour coding to help you navigate your way quickly and easily through the document. Icons and colours represent various energy types so you can see, at a glance, which section you are in.

About this review

For 61 years, the *BP Statistical Review of World Energy* has provided high-quality objective and globally consistent data on world energy markets. The review is one of the most widely respected and authoritative publications in the field of energy economics, used for reference by the media, academia, world governments and energy companies. A new edition is published every June.

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- An oil, natural gas and LNG conversion calculator.
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Appendices
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Group chief executive's introduction

Bob Dudley
Group Chief Executive
June 2012

Energy in 2011– disruptions and continuity

Welcome to the 61st annual edition of the *BP Statistical Review of World Energy*. As is our longstanding custom, each June we take stock, and a step back from day-to-day activities to publish the annual data we have collected on the world's energy markets, to assess what has happened this last year and how last year's experience relates to longer-term trends. In a fast-changing world, I believe it is important to understand both the forces behind today's headlines as well as the underlying trends that are shaping the new energy landscape that our children and grandchildren will inherit. I find it essential and insightful to focus on the objective, rigorous data contained in this review.

2011 was an unusually eventful year in global energy. The tumultuous events of the 'Arab Spring' shook energy markets and underscored the importance of maintaining spare capacity and strategic stockpiles for dealing with supply disruptions. The earthquake and tsunami in Japan was a humanitarian disaster; and one with immediate implications – in Japan and around the world – for nuclear power and other fuels. Oil prices hit an all-time record high. Yet the revolution in shale gas production drove US natural gas prices lower, reaching record discounts to oil.

With all of these issues in play, global energy consumption grew by 2.5% in 2011, broadly in line with the historical average but well below the 5.1% seen in 2010. Once again emerging economies accounted for all of the net growth in energy consumption, with demand in the OECD falling for a third time in the last four years.

On the production side, the loss of oil supplies in Libya and elsewhere was eventually more than offset by large increases among Middle Eastern OPEC members, leading to record oil production in Saudi Arabia, the UAE, and Qatar. Meanwhile, the US recorded the largest non-OPEC production increase for a third consecutive year. In my mind, it is no coincidence that the innovations driving the renaissance in US oil and gas production are taking place in one of the most open and competitive upstream segments in the world. The example of North America highlights how competition and a level playing field foster innovation, ultimately leading to the production of previously inaccessible, new, 'unconventional' resources.

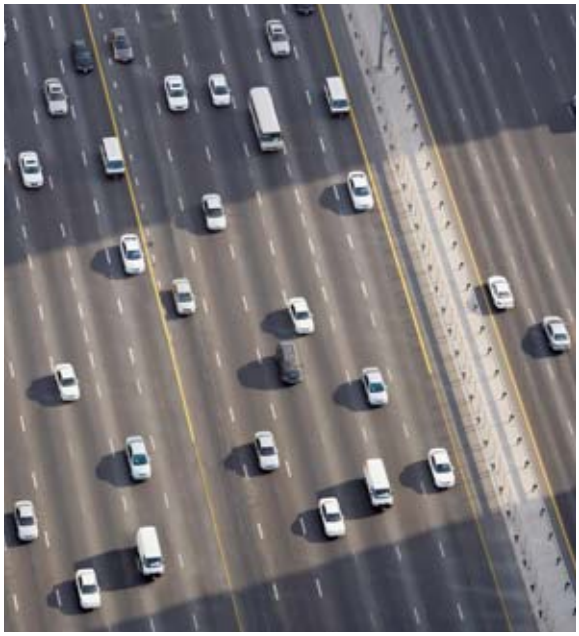
Crises and disruptions to one side, this year's data also confirm how a number of longer-term trends remained in place. The center of gravity for world energy consumption continues to shift from the OECD to emerging economies, especially in Asia. The world is not structurally short of hydrocarbon resources – as our data on proved reserves confirms year after year – but long lead times and various forms of access constraints in some regions continue to create challenges for the ability of supply to meet demand growth at reasonable prices.

Fossil fuels still dominate energy consumption, with a market share of 87%. Renewable energy continues to gain but today accounts for only 2% of energy consumption globally. Meanwhile, the fossil fuel mix is changing as well. Oil, still the leading fuel, has lost market share for 12 consecutive years. Coal was once again the fastest growing fossil fuel, with predictable consequences for carbon emissions.

At this level, change comes only slowly to the global energy system. It is important for all of us – producers and consumers, along with our governments and everyone interested in energy – to address today's challenges without losing sight of slower-moving structural changes, including those we are seeking to bring about. It is a singular contribution of this review to keep us firmly rooted in objective data: a rigorous understanding of where we are – and where we have been – is necessary for us to build a safe and sustainable energy future together.

I would like to thank BP's economics team and all those around the world who have helped prepare this review – in particular those in governments in many countries who contribute their official data.

Global energy consumption growth in 2011 moderated along with the world economy.



Left Hong Kong at night, China.

Right A highway in Dubai, United Arab Emirates.

All of the net growth took place in emerging economies, with China alone accounting for 71% of global energy consumption growth. OECD consumption declined, led by a sharp decline in Japan – in volumetric terms, the world's largest decline. The data suggests that growth in global CO_2 emissions from energy use continued in 2011, but at a slower rate than in 2010.

Energy price developments were mixed. Oil prices for the year exceeded $100 for the first time ever (in money-of-the-day terms) and inflation-adjusted prices were the second-highest on record, behind only 1864. Crude oil prices peaked in April following the loss of Libyan supplies. The differential between Brent and West Texas Intermediate (WTI) reached a record premium (in $/bbl) due to infrastructure bottlenecks driven by rapidly-rising US and Canadian production. Natural gas prices in Europe and Asia – including spot markets and those indexed to oil – increased broadly in line with oil prices, although movements within the year varied widely. North American prices reached record discounts to both crude oil and to international gas markets due to continued robust regional production growth. Coal prices increased in all regions.

+2.5%

Growth in global primary energy consumption.

Energy developments

World primary energy consumption grew by 2.5% in 2011, roughly in line with the 10-year average. Consumption in OECD countries fell by 0.8%, the third decline in the past four years. Non-OECD consumption grew by 5.3%, in line with the 10-year average. Global consumption growth decelerated in 2011 for all fuels, as did total energy consumption for all regions. Oil remains the world's leading fuel, at 33.1% of global energy consumption, but oil continued to lose market share for the twelfth consecutive year and its current market share is the lowest in our data set, which begins in 1965.

33.1%

Oil's share of global energy consumption.

+1.1 million b/d

Growth of global oil production, despite outages in Libya and elsewhere.

Dated Brent averaged $111.26 per barrel in 2011, an increase of 40% from the 2010 level. The loss of Libyan supplies early in the year, combined with smaller disruptions in a number of other countries, pushed prices sharply higher despite a large increase in production among other OPEC members following the Libyan outages and a release of strategic stocks from International Energy Agency member countries.

Global oil consumption grew by a below-average 0.6 million barrels per day (b/d), or 0.7%, to reach 88 million b/d. This was once again the weakest global growth rate among fossil fuels. OECD consumption declined by 1.2% (600,000 b/d), the fifth decrease in the past six years, reaching the lowest level since 1995. Outside the OECD, consumption grew by 1.2 million b/d, or 2.8%. Despite strong oil prices, oil consumption growth was below average in producing regions of the Middle East and Africa due to regional unrest. China again recorded the largest increment to global consumption growth (+505,000 b/d, +5.5%) although the growth rate was below the 10-year average. Middle distillates were again the fastest-growing refined product category by volume, for the seventh time in the past 10 years.

Annual global oil production increased by 1.1 million b/d, or 1.3%. Virtually all of the net growth was in OPEC, with large increases in Saudi Arabia (+1.2 million b/d), the UAE, Kuwait and Iraq more than offsetting a loss of Libyan supply (-1.2 million b/d). Output reached record levels in Saudi Arabia, the UAE and Qatar. Non-OPEC output was broadly flat, with increases in the US, Canada, Russia and Colombia offsetting continued declines in mature provinces such as the UK and Norway, as well as unexpected outages in a number of other countries. The US (+285,000 b/d) had the largest increase among non-OPEC producers for the third consecutive year. Driven by continued strong growth in onshore production of shale liquids, US output reached the highest level since 1998.

Global refinery crude runs increased by a below-average 375,000 b/d, or 0.5%. Non-OECD countries accounted for all the net increase, rising by 685,000 b/d. While OECD throughput declined by 310,000 b/d, US throughput increased (+110,000 b/d) and the US became a net exporter of refined products for the first time on record. Global refinery capacity utilization fell to 81.2% as global refining capacity increased by 1.4 million b/d (+1.5%), outpacing growth in throughputs for the fifth time in six years.

Global oil trade in 2011 grew by 2%, or 1.1 million b/d. At 54.6 million b/d, trade accounted for 62% of global consumption, up from 58% a decade ago. China accounted for roughly two-thirds of the growth in trade last year, with net imports (6 million b/d) rising by 13%. US net imports were 29% below their 2005 peak. Middle East countries accounted for 81% of the growth in exports last year. While crude oil accounted for 70% of global trade in 2011, refined products accounted for two-thirds of the growth in global trade last year.

Below Toledo refinery, Ohio, US.

Natural gas

Left Shah Deniz platform, Azerbaijan.

–9.9%

Decline in EU gas consumption, the largest on record.

World natural gas consumption grew by 2.2%. Consumption growth was below average in all regions except North America, where low prices drove robust growth. Outside North America, the largest volumetric gains in consumption were in China (+21.5%), Saudi Arabia (+13.2%) and Japan (+11.6%). These increases were partly offset by the largest decline on record in EU gas consumption (-9.9%), driven by a weak economy, high gas prices, warm weather and continued growth in renewable power generation.

Global natural gas production grew by 3.1%. The US (+7.7%) recorded the largest volumetric increase despite lower gas prices, and remained the world's largest producer. Output also grew rapidly in Qatar (+25.8%), Russia (+3.1%) and Turkmenistan (+40.6%), more than offsetting declines in Libya (-75.6%) and the UK (-20.8%). As was the case for consumption, the EU recorded the largest decline in gas production on record (-11.4%), due to a combination of mature fields, maintenance, and weak regional consumption.

Following the general weakness of gas consumption growth, global natural gas trade increased by a relatively modest 4% in 2011. LNG shipments grew by 10.1%, with Qatar (+34.8%) accounting for virtually all (87.7%) of the increase. Among LNG importers, the largest volumetric growth was in Japan and the UK. LNG now accounts for 32.3% of global gas trade. Pipeline shipments grew by just 1.3%, with declines in imports by Germany, the UK, the US and Italy offsetting increases in China (from Turkmenistan), Ukraine (from Russia), and Turkey (from Russia and Iran).

Other fuels

+5.4%

Growth in coal consumption, fastest among fossil fuels.

–4.3%

Decline in global nuclear output, the largest on record.

2.1%

Share of renewables in global energy consumption.

In detail
Additional information is available at *bp.com/statisticalreview*

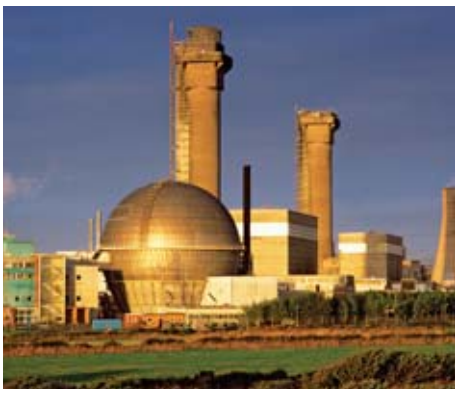
Coal consumption grew by 5.4% in 2011, the only fossil fuel to record above-average growth and the fastest-growing form of energy outside renewables. Coal now accounts for 30.3% of global energy consumption, the highest share since 1969. Consumption outside the OECD rose by an above-average 8.4%, led by Chinese consumption growth of 9.7%. OECD consumption declined by 1.1% with losses in the US and Japan offsetting growth in Europe. Global coal production grew by 6.1%, with non-OECD countries accounting for virtually all of the growth and China (+8.8%) accounting for 69% of global growth.

Global hydroelectric output grew by 1.6%, the weakest growth since 2003. Heavy rainfall drove strong growth in North America (+13.9%) – with the US recording the strongest increment on record – offsetting drought-related declines in Europe and China. Worldwide nuclear output fell by 4.3%, the largest decline on record, on the back of sharp declines in Japan (-44.3%) and Germany (-23.2%).

Renewable energy sources saw mixed results in 2011. Global biofuels production stagnated, rising by just 0.7% or 10,000 barrels per day oil equivalent (b/doe), the weakest annual growth since 2000. Growth in the US (+55,000 b/doe, or 10.9%) slowed as the share of ethanol in gasoline approached the 'blendwall', and Brazilian output had the largest decline in our data set (-50,000 b/doe, or -15.3%) due to a poor sugar harvest. In contrast, renewable energy used in power generation grew by an above-average 17.7%, driven by continued robust growth in wind energy (+25.8%), which accounted for more than half of renewable power generation for the first time. The US and China once again accounted for the largest increments in wind generation. Solar power generation grew even more rapidly (+86.3%), but from a smaller base. Renewable forms of energy accounted for 2.1% of global energy consumption, up from 0.7% in 2001.

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

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



Above The Sellafield nuclear reprocessing plant, UK.

Left Tropical BioEnergia S.A. – the Brazilian biofuel company.

Proved reserves

	At end 1991 Thousand million barrels	At end 2001 Thousand million barrels	At end 2010 Thousand million barrels	At end 2011 Thousand million tonnes	At end 2011 Thousand million barrels	At end 2011 Share of total	At end 2011 R/P ratio
US	32.1	30.4	30.9	**3.7**	**30.9**	1.9%	10.8
Canada	40.1	180.9	175.2	**28.2**	**175.2**	10.6%	*
Mexico	50.9	18.8	11.7	**1.6**	**11.4**	0.7%	10.6
Total North America	123.2	230.1	217.8	**33.5**	**217.5**	13.2%	41.7
Argentina	1.7	2.9	2.5	**0.3**	**2.5**	0.2%	11.4
Brazil	4.8	8.5	14.2	**2.2**	**15.1**	0.9%	18.8
Colombia	1.9	1.8	1.9	**0.3**	**2.0**	0.1%	5.9
Ecuador	1.5	4.6	6.2	**0.9**	**6.2**	0.4%	33.2
Peru	0.8	1.0	1.2	**0.2**	**1.2**	0.1%	22.2
Trinidad & Tobago	0.6	1.0	0.8	**0.1**	**0.8**	0.1%	16.7
Venezuela	62.6	77.7	296.5	**46.3**	**296.5**	17.9%	*
Other S. & Cent. America	0.6	1.4	1.3	**0.2**	**1.1**	0.1%	22.1
Total S. & Cent. America	74.6	98.8	324.7	**50.5**	**325.4**	19.7%	*
Azerbaijan	n/a	1.2	7.0	**1.0**	**7.0**	0.4%	20.6
Denmark	0.6	1.3	0.9	**0.1**	**0.8**	◆	10.0
Italy	0.8	0.8	1.4	**0.2**	**1.4**	0.1%	34.3
Kazakhstan	n/a	5.4	30.0	**3.9**	**30.0**	1.8%	44.7
Norway	8.8	11.6	6.8	**0.8**	**6.9**	0.4%	9.2
Romania	1.5	1.2	0.6	**0.1**	**0.6**	◆	18.7
Russian Federation	n/a	73.0	86.6	**12.1**	**88.2**	5.3%	23.5
Turkmenistan	n/a	0.5	0.6	**0.1**	**0.6**	◆	7.6
United Kingdom	4.2	4.5	2.8	**0.4**	**2.8**	0.2%	7.0
Uzbekistan	n/a	0.6	0.6	**0.1**	**0.6**	◆	18.9
Other Europe & Eurasia	60.9	2.2	2.2	**0.3**	**2.2**	0.1%	15.2
Total Europe & Eurasia	76.8	102.4	139.5	**19.0**	**141.1**	8.5%	22.3
Iran	92.9	99.1	151.2	**20.8**	**151.2**	9.1%	95.8
Iraq	100.0	115.0	115.0	**19.3**	**143.1**	8.7%	*
Kuwait	96.5	96.5	101.5	**14.0**	**101.5**	6.1%	97.0
Oman	4.3	5.9	5.5	**0.7**	**5.5**	0.3%	16.9
Qatar	3.0	16.8	24.7	**3.2**	**24.7**	1.5%	39.3
Saudi Arabia	260.9	262.7	264.5	**36.5**	**265.4**	16.1%	65.2
Syria	3.0	2.3	2.5	**0.3**	**2.5**	0.2%	20.6
United Arab Emirates	98.1	97.8	97.8	**13.0**	**97.8**	5.9%	80.7
Yemen	2.0	2.4	2.7	**0.3**	**2.7**	0.2%	32.0
Other Middle East	0.1	0.1	0.3	**0.1**	**0.7**	◆	37.1
Total Middle East	660.8	698.7	765.6	**108.2**	**795.0**	48.1%	78.7
Algeria	9.2	11.3	12.2	**1.5**	**12.2**	0.7%	19.3
Angola	1.4	6.5	13.5	**1.8**	**13.5**	0.8%	21.2
Chad	–	0.9	1.5	**0.2**	**1.5**	0.1%	36.1
Republic of Congo (Brazzaville)	0.7	1.6	1.9	**0.3**	**1.9**	0.1%	18.0
Egypt	3.5	3.7	4.5	**0.6**	**4.3**	0.3%	16.0
Equatorial Guinea	0.3	1.1	1.7	**0.2**	**1.7**	0.1%	18.5
Gabon	0.9	2.4	3.7	**0.5**	**3.7**	0.2%	41.2
Libya	22.8	36.0	47.1	**6.1**	**47.1**	2.9%	*
Nigeria	20.0	31.5	37.2	**5.0**	**37.2**	2.3%	41.5
Sudan & South Sudan	0.3	0.7	6.7	**0.9**	**6.7**	0.4%	40.5
Tunisia	0.4	0.5	0.4	**0.1**	**0.4**	◆	15.0
Other Africa	0.8	0.6	2.3	**0.3**	**2.2**	0.1%	27.0
Total Africa	60.4	96.8	132.7	**17.6**	**132.4**	8.0%	41.2
Australia	3.2	5.0	3.8	**0.4**	**3.9**	0.2%	21.9
Brunei	1.1	1.2	1.1	**0.1**	**1.1**	0.1%	18.2
China	15.5	15.4	14.8	**2.0**	**14.7**	0.9%	9.9
India	6.1	5.5	5.8	**0.8**	**5.7**	0.3%	18.2
Indonesia	5.9	5.1	4.2	**0.6**	**4.0**	0.2%	11.8
Malaysia	3.7	4.5	5.9	**0.8**	**5.9**	0.4%	28.0
Thailand	0.2	0.6	0.4	**0.1**	**0.4**	◆	3.5
Vietnam	0.2	2.2	4.4	**0.6**	**4.4**	0.3%	36.7
Other Asia Pacific	0.9	1.1	1.2	**0.1**	**1.1**	0.1%	10.4
Total Asia Pacific	37.0	40.5	41.7	**5.5**	**41.3**	2.5%	14.0
Total World	**1032.7**	**1267.4**	**1622.1**	**234.3**	**1652.6**	**100.0%**	**54.2**
of which: OECD	142.7	254.8	235.0	**35.7**	**234.7**	14.2%	34.7
Non-OECD	890.1	1012.6	1387.1	**198.6**	**1417.9**	85.8%	59.7
OPEC	769.0	855.5	1167.3	**168.4**	**1196.3**	72.4%	91.5
Non-OPEC‡	204.7	330.4	329.4	**48.7**	**329.4**	19.9%	26.3
European Union#	8.3	8.8	6.8	**0.9**	**6.7**	0.4%	10.8
Former Soviet Union	59.0	81.4	125.4	**17.2**	**126.9**	7.7%	25.8
Canadian oil sands: Total	32.4	174.7	169.2	**27.5**	**169.2**		
of which: Under active development	3.2	11.5	25.9	**4.2**	**25.9**		
Venezuela: Orinoco Belt	–	–	220.0	**35.3**	**220.0**		

*More than 100 years.
◆Less than 0.05%.
‡Excludes Former Soviet Union.
#Excludes Estonia, Latvia and Lithuania in 1991.

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

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

Source of data – The estimates in this table have been compiled using a combination of primary official sources, third-party data from the OPEC Secretariat, *World Oil, Oil & Gas Journal* and an independent estimate of Russian and Chinese reserves based on information in the public domain.

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

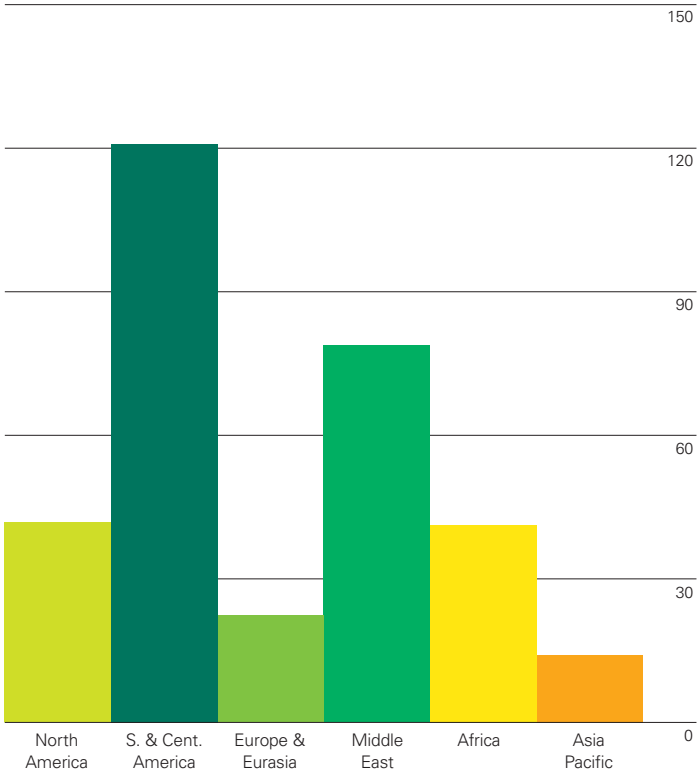
Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil.

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

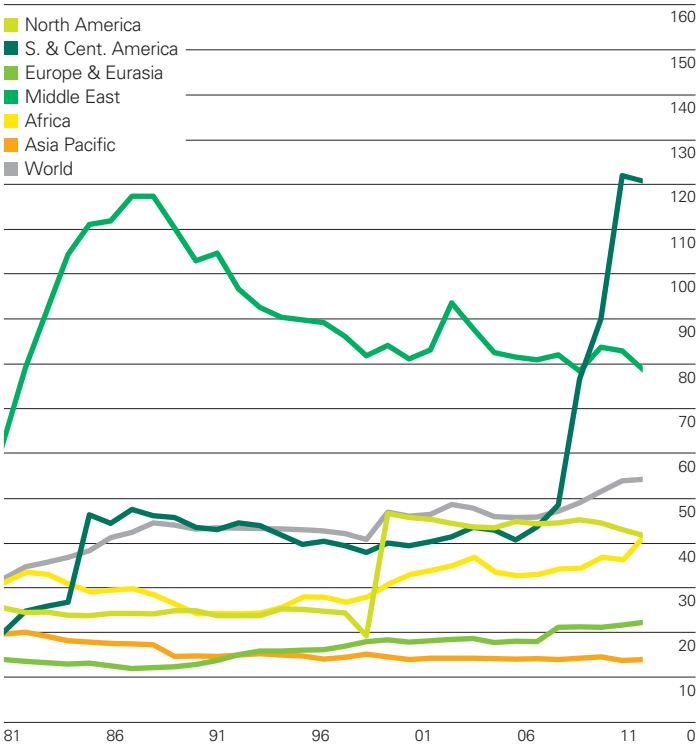
Reserves-to-production (R/P) ratios

Years

2011 by region



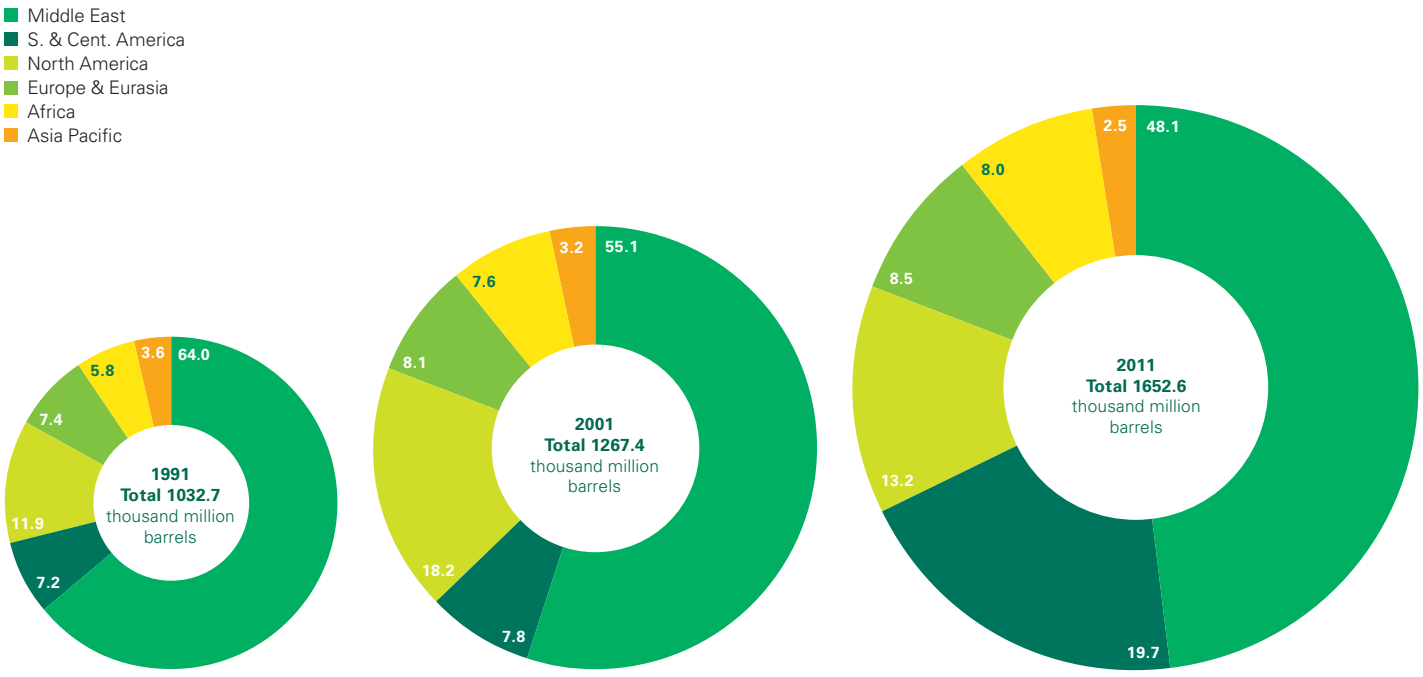
History



World proved oil reserves at the end of 2011 reached 1652.6 billion barrels, sufficient to meet 54.2 years of global production. The continuing increase in official Venezuelan reserves pushed the South & Central American R/P ratio above 100. The large increase in Middle Eastern production reduced the region's R/P ratio despite an increase in reserves; the region holds 48.1% of global proved reserves.

Distribution of proved reserves in 1991, 2001 and 2011

Percentage



Production*

Thousand barrels daily	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	7669	7626	7400	7228	6895	6841	6847	6734	7270	7555	**7841**	3.6%	8.8%
Canada	2677	2858	3004	3085	3041	3208	3305	3223	3222	3367	**3522**	5.0%	4.3%
Mexico	3568	3593	3795	3830	3766	3689	3479	3165	2978	2958	**2938**	-0.8%	3.6%
Total North America	13914	14077	14198	14143	13702	13739	13631	13122	13471	13880	**14301**	3.0%	16.8%
Argentina	830	818	806	754	725	716	699	682	676	652	**607**	-7.0%	0.8%
Brazil	1337	1499	1555	1542	1716	1809	1833	1899	2029	2137	**2193**	2.5%	2.9%
Colombia	627	601	564	551	554	559	561	616	685	801	**930**	16.3%	1.2%
Ecuador	416	401	427	535	541	545	520	514	495	495	**509**	2.8%	0.7%
Peru	98	98	92	94	111	116	114	120	145	157	**153**	-2.8%	0.2%
Trinidad & Tobago	135	155	164	152	171	174	154	149	151	145	**136**	-6.5%	0.1%
Venezuela	3142	2895	2554	2817	3003	2940	2960	2985	2914	2775	**2720**	-2.0%	3.5%
Other S. & Cent. America	137	152	153	144	142	139	141	139	133	131	**134**	1.4%	0.2%
Total S. & Cent. America	6722	6619	6314	6590	6963	6997	6982	7104	7229	7293	**7381**	1.3%	9.5%
Azerbaijan	301	311	313	315	452	654	869	915	1033	1036	**931**	-10.3%	1.1%
Denmark	348	371	368	390	377	342	311	287	265	249	**224**	-10.1%	0.3%
Italy	86	115	116	113	127	120	122	108	95	106	**110**	3.9%	0.1%
Kazakhstan	869	1056	1152	1342	1402	1475	1534	1607	1746	1818	**1841**	0.9%	2.1%
Norway	3418	3333	3264	3189	2969	2779	2551	2459	2358	2137	**2039**	-5.2%	2.3%
Romania	130	127	123	119	114	105	99	98	93	89	**88**	-1.5%	0.1%
Russian Federation	6989	7622	8460	9190	9443	9656	9869	9784	9927	10150	**10280**	1.2%	12.8%
Turkmenistan	162	182	202	193	192	186	198	207	210	216	**216**	–	0.3%
United Kingdom	2476	2463	2257	2028	1809	1636	1638	1526	1452	1339	**1100**	-17.4%	1.3%
Uzbekistan	171	171	166	152	126	125	114	114	107	87	**86**	-1.8%	0.1%
Other Europe & Eurasia	462	497	505	494	465	455	449	429	418	401	**399**	0.3%	0.5%
Total Europe & Eurasia	15412	16247	16927	17525	17476	17531	17753	17537	17703	17629	**17314**	-1.8%	21.0%
Iran	3825	3580	4002	4201	4184	4260	4303	4396	4249	4338	**4321**	-0.6%	5.2%
Iraq	2523	2116	1344	2030	1833	1999	2143	2428	2447	2480	**2798**	12.8%	3.4%
Kuwait	2181	2027	2362	2510	2654	2726	2647	2761	2477	2518	**2865**	14.1%	3.5%
Oman	960	904	824	786	778	742	715	754	813	865	**891**	2.8%	1.1%
Qatar	754	764	879	992	1028	1110	1197	1378	1345	1569	**1723**	8.2%	1.8%
Saudi Arabia	9158	8877	10107	10564	11033	10775	10371	10769	9809	9955	**11161**	12.7%	13.2%
Syria	581	548	527	495	450	435	415	398	401	385	**332**	-13.7%	0.4%
United Arab Emirates	2551	2390	2695	2847	2983	3149	3053	3088	2750	2867	**3322**	14.2%	3.8%
Yemen	455	457	448	420	416	380	341	315	306	301	**228**	-24.0%	0.3%
Other Middle East	47	48	48	48	34	32	35	33	37	37	**48**	32.0%	0.1%
Total Middle East	23035	21710	23236	24895	25392	25608	25219	26320	24633	25314	**27690**	9.3%	32.6%
Algeria	1562	1680	1852	1946	2015	2003	2016	1993	1816	1762	**1729**	-1.6%	1.9%
Angola	742	905	870	1103	1405	1421	1684	1901	1824	1883	**1746**	-7.3%	2.1%
Chad	–	–	24	168	173	153	144	127	118	122	**114**	-6.7%	0.1%
Republic of Congo (Brazzaville)	234	238	217	223	245	278	224	237	276	293	**295**	1.0%	0.4%
Egypt	758	751	749	721	696	697	710	723	736	730	**735**	0.3%	0.9%
Equatorial Guinea	177	230	266	351	358	342	350	347	307	274	**252**	-8.1%	0.3%
Gabon	301	295	240	235	234	235	230	235	230	250	**245**	-2.0%	0.3%
Libya	1427	1375	1485	1623	1745	1815	1820	1820	1652	1659	**479**	-71.0%	0.6%
Nigeria	2274	2103	2263	2472	2551	2468	2354	2170	2120	2453	**2457**	0.2%	2.9%
Sudan & South Sudan	217	241	265	301	305	331	468	480	475	465	**453**	-2.6%	0.6%
Tunisia	71	74	68	71	73	70	97	89	83	80	**78**	-2.5%	0.1%
Other Africa	134	135	138	164	154	153	166	162	155	144	**221**	52.7%	0.3%
Total Africa	7897	8028	8436	9377	9954	9966	10263	10284	9792	10114	**8804**	-12.8%	10.4%
Australia	757	759	664	582	580	542	559	547	518	561	**484**	-14.5%	0.5%
Brunei	203	210	214	210	206	221	194	175	168	172	**166**	-3.8%	0.2%
China	3310	3351	3406	3486	3642	3711	3742	3814	3805	4077	**4090**	0.3%	5.1%
India	727	753	756	773	738	762	769	767	756	827	**858**	3.9%	1.0%
Indonesia	1387	1289	1176	1130	1090	996	972	1003	990	1003	**942**	-5.6%	1.1%
Malaysia	666	698	738	762	704	667	683	688	659	642	**573**	-10.9%	0.7%
Thailand	191	204	236	223	265	286	305	321	331	334	**345**	0.8%	0.3%
Vietnam	350	354	364	427	393	358	337	315	347	320	**328**	2.1%	0.4%
Other Asia Pacific	194	192	195	236	287	305	321	339	329	315	**300**	-5.1%	0.3%
Total Asia Pacific	7786	7811	7748	7829	7904	7848	7881	7969	7903	8251	**8086**	-2.0%	9.7%
Total World	**74767**	**74493**	**76860**	**80358**	**81391**	**81687**	**81729**	**82335**	**80732**	**82480**	**83576**	**1.3%**	**100.0%**
of which: OECD	21343	21473	21216	20778	19873	19457	19131	18373	18463	18563	**18543**	-0.2%	21.7%
Non-OECD	53424	53020	55643	59580	61518	62230	62598	63961	62269	63917	**65032**	1.7%	78.3%
OPEC	30555	29113	30839	33641	34973	35211	35067	36203	33897	34753	**35830**	3.0%	42.4%
Non-OPEC‡	35587	35885	35564	35362	34642	34225	33925	33355	33661	34280	**34258**	-0.1%	41.0%
European Union	3281	3336	3124	2898	2655	2419	2384	2219	2086	1950	**1692**	-12.7%	2.0%
Former Soviet Union	8625	9495	10456	11356	11776	12251	12737	12776	13174	13448	**13487**	0.2%	16.5%

*Includes crude oil, shale oil, oil sands and NGLs (the liquid content of natural gas where this is recovered separately). Excludes liquid fuels from other sources such as biomass and coal derivatives.
‡Excludes Former Soviet Union.
Note: Annual changes and shares of total are calculated using million tonnes per annum figures.

Consumption*

Thousand barrels daily	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	19649	19761	20033	20732	20802	20687	20680	19498	18771	19180	**18835**	-1.9%	20.5%
Canada	2008	2051	2115	2231	2229	2246	2323	2288	2179	2298	**2293**	0.4%	2.5%
Mexico	1939	1864	1909	1983	2030	2019	2067	2054	1995	2014	**2027**	1.3%	2.2%
Total North America	23595	23676	24057	24945	25061	24953	25070	23841	22945	23491	**23156**	-1.4%	25.3%
Argentina	425	394	405	425	449	471	523	534	518	550	**609**	8.2%	0.7%
Brazil	2030	2005	1953	2024	2070	2090	2235	2395	2415	2629	**2653**	2.3%	3.0%
Chile	227	225	228	242	254	265	343	353	335	318	**327**	2.8%	0.4%
Colombia	227	221	222	225	230	235	234	232	231	247	**253**	2.4%	0.3%
Ecuador	137	146	151	155	169	180	183	188	191	220	**226**	2.6%	0.3%
Peru	146	146	139	152	152	147	153	172	176	186	**203**	9.0%	0.2%
Trinidad & Tobago	26	25	24	25	26	29	34	37	35	36	**34**	-3.5%	◆
Venezuela	622	660	535	582	623	658	689	720	749	794	**832**	3.8%	0.9%
Other S. & Cent. America	1104	1109	1122	1135	1137	1159	1189	1155	1114	1098	**1104**	0.4%	1.3%
Total S. & Cent. America	4945	4930	4778	4966	5111	5233	5582	5786	5763	6079	**6241**	2.9%	7.1%
Austria	263	269	291	282	286	290	275	273	263	267	**257**	-3.6%	0.3%
Azerbaijan	79	73	84	88	106	96	91	74	73	71	**80**	11.9%	0.1%
Belarus	146	142	141	144	145	162	150	168	188	146	**180**	22.8%	0.2%
Belgium	640	650	688	680	679	671	676	747	650	672	**677**	0.7%	0.8%
Bulgaria	90	87	93	90	99	101	99	99	89	79	**74**	-6.4%	0.1%
Czech Republic	177	172	184	202	210	207	205	209	204	194	**193**	-0.5%	0.2%
Denmark	202	197	189	185	196	198	200	196	178	176	**173**	-1.7%	0.2%
Finland	218	222	235	221	229	222	223	222	209	219	**221**	0.9%	0.3%
France	2010	1953	1952	1963	1946	1942	1911	1889	1822	1761	**1724**	-1.7%	2.0%
Germany	2787	2697	2648	2619	2592	2609	2380	2502	2409	2445	**2362**	-3.3%	2.7%
Greece	404	406	396	426	424	442	435	425	405	373	**343**	-7.9%	0.4%
Hungary	141	139	131	136	158	168	168	164	154	146	**142**	-3.1%	0.2%
Republic of Ireland	182	179	175	181	191	191	195	187	166	158	**142**	-10.4%	0.2%
Italy	1920	1915	1900	1850	1798	1791	1740	1661	1563	1532	**1486**	-2.7%	1.8%
Kazakhstan	157	169	183	196	204	210	233	231	190	199	**212**	7.6%	0.3%
Lithuania	55	51	50	53	57	58	58	63	54	55	**55**	0.8%	0.1%
Netherlands	922	933	943	984	1049	1070	1123	1069	1041	1058	**1052**	0.3%	1.2%
Norway	223	216	232	221	224	229	237	228	236	235	**253**	3.5%	0.3%
Poland	419	430	441	469	487	512	531	549	549	576	**566**	-1.5%	0.6%
Portugal	321	332	311	315	324	294	296	278	263	259	**240**	-7.3%	0.3%
Romania	211	220	194	224	218	214	218	216	195	181	**187**	4.4%	0.2%
Russian Federation	2503	2565	2635	2619	2621	2772	2648	2779	2710	2804	**2961**	5.5%	3.4%
Slovakia	67	75	70	67	80	72	76	82	79	82	**78**	-5.3%	0.1%
Spain	1483	1493	1539	1578	1597	1594	1616	1559	1475	1447	**1392**	-3.7%	1.7%
Sweden	342	346	352	339	339	344	342	332	307	321	**305**	-5.3%	0.4%
Switzerland	278	264	257	255	260	266	241	256	260	242	**235**	-3.0%	0.3%
Turkey	632	643	641	655	662	696	716	681	683	654	**694**	5.8%	0.8%
Turkmenistan	83	85	97	93	95	90	100	110	101	104	**108**	3.9%	0.1%
Ukraine	284	282	295	310	296	308	338	322	287	281	**277**	-0.8%	0.3%
United Kingdom	1704	1700	1723	1766	1806	1788	1716	1683	1610	1588	**1542**	-2.6%	1.8%
Uzbekistan	134	131	141	130	100	101	93	91	88	90	**91**	0.7%	0.1%
Other Europe & Eurasia	515	536	565	593	621	633	654	658	624	622	**620**	-0.4%	0.7%
Total Europe & Eurasia	19593	19571	19776	19935	20095	20342	19984	20002	19123	19039	**18924**	-0.6%	22.1%
Iran	1392	1480	1575	1633	1696	1807	1843	1906	1923	1887	**1824**	-3.1%	2.1%
Israel	260	260	267	251	257	251	264	259	246	242	**240**	-0.8%	0.3%
Kuwait	265	285	334	374	411	378	384	381	399	436	**438**	0.2%	0.5%
Qatar	73	84	95	107	122	136	153	174	176	220	**238**	8.3%	0.2%
Saudi Arabia	1622	1668	1780	1913	1970	2043	2163	2338	2555	2748	**2856**	3.7%	3.1%
United Arab Emirates	390	422	463	494	503	538	574	594	556	607	**671**	5.6%	0.8%
Other Middle East	1257	1268	1194	1328	1407	1462	1514	1617	1655	1751	**1809**	3.2%	2.2%
Total Middle East	5260	5467	5707	6100	6365	6615	6895	7270	7510	7890	**8076**	1.8%	9.1%
Algeria	198	221	230	239	250	258	286	309	327	327	**345**	5.3%	0.4%
Egypt	537	524	540	556	616	598	638	680	719	757	**709**	-7.2%	0.8%
South Africa	468	480	497	513	514	528	549	528	517	547	**547**	◆	0.6%
Other Africa	1307	1335	1363	1439	1484	1471	1534	1632	1681	1746	**1735**	-0.6%	2.0%
Total Africa	2510	2560	2629	2747	2864	2855	3006	3150	3243	3377	**3336**	-1.4%	3.9%
Australia	839	839	844	855	886	918	925	936	931	956	**1003**	5.7%	1.1%
Bangladesh	80	80	81	82	93	87	92	94	100	102	**104**	2.2%	0.1%
China	4859	5262	5771	6738	6944	7437	7817	7937	8212	9251	**9758**	5.5%	11.4%
China Hong Kong SAR	243	267	269	313	285	305	324	293	334	361	**363**	1.0%	0.4%
India	2288	2376	2420	2574	2567	2571	2835	3068	3267	3332	**3473**	3.9%	4.0%
Indonesia	1138	1184	1210	1278	1263	1234	1271	1263	1316	1426	**1430**	-1.1%	1.6%
Japan	5392	5319	5410	5243	5327	5182	5007	4809	4381	4413	**4418**	0.5%	5.0%
Malaysia	479	520	511	529	520	536	596	592	593	606	**608**	0.7%	0.7%
New Zealand	132	139	144	150	150	152	154	153	147	150	**148**	-1.5%	0.2%
Pakistan	365	356	319	324	311	354	385	386	412	410	**408**	-0.2%	0.5%
Philippines	345	330	329	336	314	284	301	266	282	265	**256**	-3.6%	0.3%
Singapore	706	690	660	739	817	865	941	990	1067	1154	**1192**	3.3%	1.5%
South Korea	2266	2320	2340	2294	2312	2320	2399	2308	2339	2392	**2397**	-0.1%	2.6%
Taiwan	939	957	998	1043	1053	1043	1096	992	987	1028	**951**	-7.5%	1.1%
Thailand	797	848	911	981	1016	1012	1023	1004	1042	1052	**1080**	2.2%	1.2%
Vietnam	186	205	220	263	258	254	283	300	304	329	**358**	8.9%	0.4%
Other Asia Pacific	289	292	300	312	314	320	335	328	333	337	**353**	4.5%	0.4%
Total Asia Pacific	21343	21983	22738	24053	24429	24875	25783	25720	26047	27563	**28301**	2.7%	32.4%
Total World	**77245**	**78187**	**79686**	**82746**	**83925**	**84873**	**86321**	**85768**	**84631**	**87439**	**88034**	**0.7%**	**100.0%**
of which: OECD	48192	48155	48737	49535	49946	49804	49632	48023	46009	46523	**45924**	-1.2%	51.5%
Non-OECD	29054	30032	30949	33211	33979	35069	36689	37745	38623	40917	**42111**	2.8%	48.5%
European Union	14797	14704	14754	14891	15030	15044	14755	14685	13949	13860	**13478**	-2.6%	15.9%
Former Soviet Union	3541	3603	3730	3748	3745	3921	3857	3983	3827	3893	**4110**	5.7%	4.7%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of fuel ethanol and biodiesel is also included.
◆Less than 0.05%.
Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.
Note: Annual changes and shares of total are calculated using million tonnes per annum figures.

Production*

Million tonnes	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	349.2	346.8	338.4	329.2	313.3	310.2	309.8	304.9	328.6	339.9	**352.3**	3.6%	8.8%
Canada	126.1	135.0	142.6	147.6	144.9	153.4	158.6	155.9	156.1	164.4	**172.6**	5.0%	4.3%
Mexico	176.8	178.6	189.0	190.9	187.3	183.3	172.9	157.6	147.4	146.3	**145.1**	-0.8%	3.6%
Total North America	652.1	660.5	670.0	667.6	645.5	646.9	641.3	618.5	632.1	650.6	**670.0**	3.0%	16.8%
Argentina	41.5	40.9	40.2	37.8	36.2	35.8	34.9	34.1	33.8	32.5	**30.3**	-7.0%	0.8%
Brazil	70.1	78.6	81.3	80.8	89.3	94.2	95.5	99.2	106.0	111.7	**114.6**	2.5%	2.9%
Colombia	32.6	31.2	29.3	28.7	28.6	28.8	29.0	32.0	35.8	41.9	**48.7**	16.3%	1.2%
Ecuador	22.1	21.3	22.7	28.6	28.8	29.0	27.7	27.4	26.3	26.3	**27.1**	2.8%	0.7%
Peru	5.0	5.0	4.7	4.7	5.2	5.4	5.3	5.5	6.6	7.2	**7.0**	-2.8%	0.2%
Trinidad & Tobago	6.3	7.2	7.6	7.0	7.9	8.0	6.9	6.6	6.6	6.3	**5.9**	-6.5%	0.1%
Venezuela	161.6	148.8	131.4	145.2	154.5	151.2	152.1	154.1	149.9	142.5	**139.6**	-2.0%	3.5%
Other S. & Cent. America	6.9	7.8	7.8	7.3	7.2	7.0	7.1	7.0	6.7	6.6	**6.7**	1.4%	0.2%
Total S. & Cent. America	346.2	340.8	325.0	340.0	357.7	359.3	358.6	366.0	371.9	375.2	**379.9**	1.3%	9.5%
Azerbaijan	15.0	15.4	15.5	15.6	22.4	32.5	42.8	44.7	50.6	50.8	**45.6**	-10.3%	1.1%
Denmark	17.0	18.1	17.9	19.1	18.4	16.7	15.2	14.0	12.9	12.2	**10.9**	-10.1%	0.3%
Italy	4.1	5.5	5.6	5.5	6.1	5.8	5.9	5.2	4.6	5.1	**5.3**	3.9%	0.1%
Kazakhstan	40.1	48.2	52.4	60.6	62.6	66.1	68.4	72.0	78.2	81.6	**82.4**	0.9%	2.1%
Norway	162.0	157.3	153.0	149.9	138.2	128.7	118.6	114.2	108.8	98.6	**93.4**	-5.2%	2.3%
Romania	6.2	6.1	5.9	5.7	5.4	5.0	4.7	4.7	4.5	4.3	**4.2**	-1.5%	0.1%
Russian Federation	348.1	379.6	421.4	458.8	470.0	480.5	491.3	488.5	494.2	505.1	**511.4**	1.2%	12.8%
Turkmenistan	8.0	9.0	10.0	9.6	9.5	9.2	9.8	10.3	10.4	10.7	**10.7**	–	0.3%
United Kingdom	116.7	115.9	106.1	95.4	84.7	76.6	76.8	71.7	68.2	63.0	**52.0**	-17.4%	1.3%
Uzbekistan	7.2	7.2	7.1	6.6	5.4	5.4	4.9	4.8	4.5	3.6	**3.6**	-1.8%	0.1%
Other Europe & Eurasia	22.2	23.6	24.0	23.5	22.0	21.7	21.6	20.6	19.9	19.2	**19.2**	0.3%	0.5%
Total Europe & Eurasia	746.6	785.9	818.9	850.2	844.8	848.1	860.0	850.8	856.8	854.2	**838.8**	-1.8%	21.0%
Iran	189.2	176.9	198.0	206.9	205.1	207.9	209.6	213.0	204.0	207.1	**205.8**	-0.6%	5.2%
Iraq	123.9	104.0	66.1	100.0	90.0	98.1	105.2	119.5	120.0	121.4	**136.9**	12.8%	3.4%
Kuwait	106.9	99.2	115.8	123.4	130.4	133.8	129.9	135.8	121.0	122.7	**140.0**	14.1%	3.5%
Oman	46.1	43.4	39.6	38.1	37.4	35.7	34.5	35.9	38.7	41.0	**42.1**	2.8%	1.1%
Qatar	35.7	35.2	40.8	46.0	47.3	50.9	53.6	60.8	57.9	65.7	**71.1**	8.2%	1.8%
Saudi Arabia	439.4	424.1	483.8	504.3	524.9	512.4	492.4	513.5	462.7	466.6	**525.8**	12.7%	13.2%
Syria	28.9	27.2	26.2	24.7	22.4	21.6	20.6	19.8	19.9	19.1	**16.5**	-13.7%	0.4%
United Arab Emirates	118.0	110.2	124.5	131.7	137.3	145.5	140.7	142.9	126.3	131.4	**150.1**	14.2%	3.8%
Yemen	21.5	21.5	21.1	19.9	19.6	17.9	16.1	14.9	14.4	14.2	**10.8**	-24.0%	0.3%
Other Middle East	2.2	2.2	2.2	2.2	1.6	1.4	1.6	1.5	1.7	1.7	**2.2**	32.0%	0.1%
Total Middle East	1111.8	1044.0	1118.2	1197.3	1215.9	1225.4	1204.2	1257.6	1166.6	1190.9	**1301.4**	9.3%	32.6%
Algeria	65.8	70.9	79.0	83.6	86.4	86.2	86.5	85.6	77.8	75.5	**74.3**	-1.6%	1.9%
Angola	36.6	44.6	42.8	54.5	69.0	69.6	82.5	93.5	89.1	92.0	**85.2**	-7.3%	2.1%
Chad	–	–	1.2	8.8	9.1	8.0	7.5	6.7	6.2	6.4	**6.0**	-6.7%	0.1%
Republic of Congo (Brazzaville)	12.1	12.3	11.2	11.6	12.6	14.3	11.5	12.2	14.2	15.1	**15.2**	1.0%	0.4%
Egypt	37.3	37.0	36.8	35.4	33.9	33.7	34.1	34.6	35.3	35.0	**35.2**	0.3%	0.9%
Equatorial Guinea	8.8	11.4	13.2	17.4	17.7	16.9	17.3	17.2	15.2	13.6	**12.5**	-8.1%	0.3%
Gabon	15.0	14.7	12.0	11.8	11.7	11.7	11.5	11.8	11.5	12.5	**12.2**	-2.0%	0.3%
Libya	67.1	64.6	69.8	76.5	81.9	84.9	85.0	85.3	77.1	77.4	**22.4**	-71.0%	0.6%
Nigeria	110.8	102.3	110.3	120.7	124.2	119.7	114.1	105.3	101.5	117.2	**117.4**	0.2%	2.9%
Sudan & South Sudan	10.7	11.9	13.1	14.9	15.0	16.3	23.1	23.7	23.4	22.9	**22.3**	-2.6%	0.6%
Tunisia	3.4	3.5	3.2	3.4	3.4	3.3	4.6	4.2	4.0	3.8	**3.7**	-2.5%	0.1%
Other Africa	6.6	6.7	6.8	8.1	7.7	7.6	8.3	8.1	7.7	7.1	**10.9**	52.7%	0.3%
Total Africa	374.1	379.8	399.4	446.6	472.8	472.4	486.1	488.3	463.0	478.5	**417.4**	-12.8%	10.4%
Australia	34.5	34.3	29.7	25.9	25.6	23.8	24.7	24.4	22.6	24.6	**21.0**	-14.5%	0.5%
Brunei	9.9	10.2	10.5	10.3	10.1	10.8	9.5	8.5	8.2	8.4	**8.1**	-3.8%	0.2%
China	164.8	166.9	169.6	174.1	181.4	184.8	186.3	190.4	189.5	203.0	**203.6**	0.3%	5.1%
India	34.1	35.2	35.4	36.3	34.6	35.8	36.1	36.1	35.4	38.9	**40.4**	3.9%	1.0%
Indonesia	67.9	63.0	57.3	55.2	53.1	48.9	47.5	49.0	47.9	48.3	**45.6**	-5.6%	1.1%
Malaysia	31.2	32.6	34.4	35.5	32.6	30.9	31.7	32.1	30.6	29.8	**26.6**	-10.9%	0.7%
Thailand	7.5	8.2	9.6	9.1	10.8	11.8	12.5	13.3	13.7	13.8	**13.9**	0.8%	0.3%
Vietnam	17.1	17.3	17.7	20.8	19.1	17.4	16.4	15.4	16.9	15.5	**15.9**	2.1%	0.4%
Other Asia Pacific	8.9	8.8	8.9	10.4	12.3	13.0	13.9	14.7	14.2	13.6	**13.0**	-5.1%	0.3%
Total Asia Pacific	375.9	376.5	373.1	377.6	379.7	377.1	378.6	383.8	379.0	396.1	**388.1**	-2.0%	9.7%
Total World	**3606.7**	**3587.5**	**3704.5**	**3879.3**	**3916.4**	**3929.2**	**3928.8**	**3965.0**	**3869.3**	**3945.4**	**3995.6**	**1.3%**	**100.0%**
of which: OECD	1003.0	1008.8	999.2	979.5	933.4	912.9	898.0	863.7	864.0	868.1	**866.7**	-0.2%	21.7%
Non-OECD	2603.7	2578.7	2705.3	2899.8	2983.0	3016.3	3030.8	3101.3	3005.3	3077.3	**3128.9**	1.7%	78.3%
OPEC	1477.0	1402.1	1485.0	1621.4	1679.8	1689.3	1679.4	1736.6	1613.6	1645.9	**1695.9**	3.0%	42.4%
Non-OPEC‡	1705.1	1719.2	1706.0	1699.4	1659.5	1639.2	1625.3	1601.3	1611.1	1641.3	**1640.1**	-0.1%	41.0%
European Union	155.6	158.2	148.2	137.7	125.7	114.6	113.1	105.4	99.0	92.7	**80.9**	-12.7%	2.0%
Former Soviet Union	424.6	466.2	513.6	558.5	577.1	600.7	624.1	627.1	644.6	658.2	**659.6**	0.2%	16.5%

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

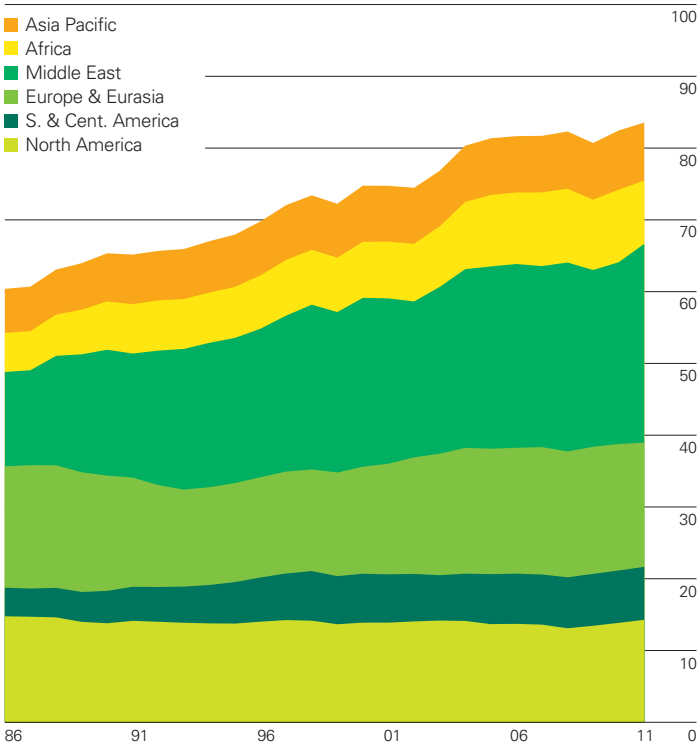
Consumption*

Million tonnes	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	884.1	884.9	900.7	936.5	939.8	930.7	928.8	875.8	833.2	849.9	**833.6**	-1.9%	20.5%
Canada	90.5	92.2	95.9	100.6	100.3	100.5	103.8	102.5	97.1	102.7	**103.1**	0.4%	2.5%
Mexico	86.6	82.8	85.0	88.5	90.8	89.7	92.0	91.6	88.5	88.5	**89.7**	1.3%	2.2%
Total North America	1061.2	1059.9	1081.6	1125.6	1131.0	1120.8	1124.6	1069.9	1018.7	1041.1	**1026.4**	-1.4%	25.3%
Argentina	19.5	18.0	18.5	19.4	20.7	21.7	24.0	24.7	23.7	25.9	**28.1**	8.2%	0.7%
Brazil	92.7	91.0	88.6	91.5	93.8	95.0	100.7	107.9	108.0	118.0	**120.7**	2.3%	3.0%
Chile	10.5	10.4	10.6	11.4	12.0	12.5	16.2	16.8	15.6	14.8	**15.2**	2.8%	0.4%
Colombia	10.2	10.0	10.0	10.3	10.5	10.7	10.7	10.7	10.6	11.4	**11.7**	2.4%	0.3%
Ecuador	6.3	6.8	7.0	7.2	7.9	8.3	8.5	8.7	8.9	10.3	**10.5**	2.6%	0.3%
Peru	7.0	6.9	6.5	7.3	7.1	6.9	7.1	8.0	8.1	8.5	**9.2**	9.0%	0.2%
Trinidad & Tobago	1.3	1.2	1.1	1.2	1.2	1.4	1.7	1.8	1.7	1.7	**1.7**	-3.5%	◆
Venezuela	28.8	30.3	24.9	27.2	28.8	30.3	31.9	33.3	34.8	36.9	**38.3**	3.8%	0.9%
Other S. & Cent. America	54.6	54.7	55.3	56.2	56.0	57.1	58.4	56.7	54.5	53.5	**53.7**	0.4%	1.3%
Total S. & Cent. America	231.0	229.5	222.7	231.8	238.0	244.0	259.3	268.5	266.0	281.0	**289.1**	2.9%	7.1%
Austria	12.8	13.1	14.2	13.8	13.9	14.1	13.4	13.3	12.8	12.9	**12.5**	-3.6%	0.3%
Azerbaijan	4.0	3.7	4.3	4.5	5.4	4.8	4.5	3.6	3.3	3.2	**3.6**	11.9%	0.1%
Belarus	7.3	7.1	7.0	7.1	7.1	8.1	7.3	8.3	9.4	7.3	**9.0**	22.8%	0.2%
Belgium	31.0	31.7	33.8	33.5	33.5	33.4	33.7	36.8	32.2	33.5	**33.7**	0.7%	0.8%
Bulgaria	4.2	4.1	4.3	4.2	4.6	4.7	4.6	4.6	4.2	3.8	**3.5**	-6.4%	0.1%
Czech Republic	8.4	8.1	8.7	9.5	9.9	9.8	9.7	9.9	9.7	9.1	**9.1**	-0.5%	0.2%
Denmark	9.8	9.6	9.2	9.0	9.4	9.6	9.7	9.5	8.5	8.4	**8.3**	-1.7%	0.2%
Finland	10.5	10.9	11.4	10.6	11.0	10.6	10.6	10.5	9.9	10.4	**10.5**	0.9%	0.3%
France	95.5	92.9	93.1	94.0	93.1	93.0	91.4	90.8	87.5	84.4	**82.9**	-1.7%	2.0%
Germany	131.6	127.4	125.1	124.0	122.4	123.6	112.5	118.9	113.9	115.4	**111.5**	-3.3%	2.7%
Greece	20.2	20.3	19.7	21.3	21.1	22.1	21.7	21.3	20.1	18.7	**17.2**	-7.9%	0.4%
Hungary	6.7	6.4	6.1	6.3	7.4	7.8	7.7	7.5	7.1	6.7	**6.5**	-3.1%	0.2%
Republic of Ireland	9.0	8.8	8.5	8.9	9.3	9.3	9.4	9.0	8.0	7.6	**6.8**	-10.4%	0.2%
Italy	92.8	92.9	92.1	89.7	86.7	86.7	84.0	80.4	75.1	73.1	**71.1**	-2.7%	1.8%
Kazakhstan	7.7	8.3	8.9	9.5	9.8	10.3	11.3	11.1	9.0	9.5	**10.2**	7.6%	0.3%
Lithuania	2.7	2.5	2.4	2.6	2.8	2.8	2.8	3.1	2.6	2.7	**2.7**	0.8%	0.1%
Netherlands	44.6	44.6	44.9	47.1	50.6	52.0	53.5	51.1	49.4	49.9	**50.1**	0.3%	1.2%
Norway	10.2	9.8	10.4	10.0	10.2	10.5	10.7	10.4	10.6	10.8	**11.1**	3.5%	0.3%
Poland	19.5	19.9	20.2	21.6	22.4	23.3	24.2	25.3	25.3	26.7	**26.3**	-1.5%	0.6%
Portugal	15.8	16.2	15.2	15.4	16.0	14.4	14.4	13.6	12.8	12.5	**11.6**	-7.3%	0.3%
Romania	10.6	10.6	9.4	10.9	10.5	10.3	10.3	10.4	9.2	8.7	**9.0**	4.4%	0.2%
Russian Federation	120.5	122.6	125.1	124.2	123.2	130.8	123.6	129.8	124.8	128.9	**136.0**	5.5%	3.4%
Slovakia	3.2	3.5	3.3	3.2	3.8	3.4	3.6	3.9	3.7	3.9	**3.7**	-5.3%	0.1%
Spain	73.0	73.7	76.2	78.6	79.5	79.4	80.4	78.0	73.6	72.1	**69.5**	-3.7%	1.7%
Sweden	16.2	16.3	16.9	16.2	16.1	16.5	16.0	15.7	14.6	15.3	**14.5**	-5.3%	0.4%
Switzerland	13.1	12.4	12.1	12.0	12.2	12.6	11.3	12.1	12.3	11.4	**11.0**	-3.0%	0.3%
Turkey	29.7	30.5	30.5	30.8	30.9	32.7	33.5	31.9	31.6	30.2	**32.0**	5.8%	0.8%
Turkmenistan	3.8	3.9	4.4	4.3	4.3	4.1	4.6	5.1	4.6	4.8	**4.9**	3.9%	0.1%
Ukraine	13.5	13.3	13.6	14.3	13.7	14.2	15.6	14.9	13.4	13.0	**12.9**	-0.8%	0.3%
United Kingdom	78.4	78.0	79.0	81.7	83.0	82.3	79.2	77.9	74.4	73.5	**71.6**	-2.6%	1.8%
Uzbekistan	6.7	6.6	7.0	6.6	5.0	5.0	4.6	4.5	4.2	4.3	**4.4**	0.7%	0.1%
Other Europe & Eurasia	25.5	26.5	28.0	29.3	30.6	31.2	32.1	32.3	30.5	30.4	**30.3**	-0.4%	0.7%
Total Europe & Eurasia	938.4	936.1	944.9	954.6	959.3	973.3	952.2	955.5	908.5	903.1	**898.2**	-0.6%	22.1%
Iran	65.8	69.9	74.2	76.7	80.5	86.1	88.0	91.0	91.9	89.8	**87.0**	-3.1%	2.1%
Israel	12.5	12.4	12.8	12.0	12.2	11.9	12.4	12.2	11.5	11.2	**11.1**	-0.8%	0.3%
Kuwait	12.2	13.2	15.6	17.8	19.6	17.7	17.9	17.8	17.5	19.0	**19.0**	0.2%	0.5%
Qatar	2.4	3.0	3.1	3.4	4.0	4.6	5.4	6.2	6.2	7.4	**8.0**	8.3%	0.2%
Saudi Arabia	74.7	76.6	81.7	88.3	87.5	91.7	97.4	106.1	115.4	123.2	**127.8**	3.7%	3.1%
United Arab Emirates	19.7	20.3	22.4	24.2	24.8	26.6	28.5	29.6	27.5	28.9	**30.5**	5.6%	0.8%
Other Middle East	61.5	62.1	58.2	64.7	68.2	70.8	73.5	78.7	80.2	84.7	**87.5**	3.2%	2.2%
Total Middle East	248.8	257.4	267.9	287.2	296.7	309.4	323.1	341.6	350.3	364.3	**371.0**	1.8%	9.1%
Algeria	8.8	9.7	10.1	10.6	11.0	11.5	12.9	14.0	14.9	14.8	**15.6**	5.3%	0.4%
Egypt	26.1	25.2	25.9	26.8	29.8	28.7	30.6	32.6	34.4	36.3	**33.7**	-7.2%	0.8%
South Africa	22.5	23.1	23.9	24.7	24.6	25.3	26.2	25.3	24.7	26.1	**26.2**	◆	0.6%
Other Africa	62.4	63.8	64.8	68.8	71.1	70.4	73.4	78.1	80.3	83.4	**82.9**	-0.6%	2.0%
Total Africa	119.7	121.8	124.8	131.0	136.5	135.9	143.1	150.1	154.2	160.6	**158.3**	-1.4%	3.9%
Australia	38.1	38.0	38.3	39.1	40.2	41.5	41.8	42.5	42.2	43.4	**45.9**	5.7%	1.1%
Bangladesh	3.9	3.9	3.9	4.0	4.5	4.2	4.5	4.6	4.8	4.9	**5.0**	2.2%	0.1%
China	228.4	247.5	271.7	318.9	327.8	351.2	369.3	376.0	388.2	437.7	**461.8**	5.5%	11.4%
China Hong Kong SAR	11.8	12.9	13.0	15.4	13.8	15.0	16.1	14.6	16.6	17.9	**18.1**	1.0%	0.4%
India	107.0	111.3	113.1	120.2	119.6	120.4	133.4	144.1	153.7	156.2	**162.3**	3.9%	4.0%
Indonesia	54.1	56.2	57.3	60.5	59.5	57.8	59.3	58.7	60.6	65.2	**64.4**	-1.1%	1.6%
Japan	247.3	243.4	248.5	241.1	244.4	237.1	228.7	220.9	198.3	200.3	**201.4**	0.5%	5.0%
Malaysia	22.0	23.8	23.4	24.3	23.7	24.5	27.3	27.1	26.5	26.7	**26.9**	0.7%	0.7%
New Zealand	6.1	6.5	6.7	7.0	7.0	7.1	7.2	7.2	6.9	7.0	**6.9**	-1.5%	0.2%
Pakistan	18.3	17.9	15.8	16.0	15.3	17.6	19.2	19.3	20.6	20.5	**20.4**	-0.2%	0.5%
Philippines	16.5	15.6	15.5	15.9	14.8	13.3	14.1	12.3	13.1	12.2	**11.8**	-3.6%	0.3%
Singapore	36.4	35.5	33.9	38.1	42.3	45.1	49.0	52.0	56.1	60.5	**62.5**	3.3%	1.5%
South Korea	103.5	105.3	106.4	104.6	104.6	104.7	107.6	103.1	103.7	106.0	**106.0**	-0.1%	2.6%
Taiwan	44.2	44.9	46.7	48.9	49.3	48.6	50.4	45.1	44.3	46.3	**42.8**	-7.5%	1.1%
Thailand	36.2	38.7	41.6	45.1	46.2	45.5	45.6	44.2	45.6	45.8	**46.8**	2.2%	1.2%
Vietnam	9.0	9.8	10.5	12.5	12.2	12.0	13.3	14.1	14.1	15.1	**16.5**	8.9%	0.4%
Other Asia Pacific	13.9	14.0	14.3	14.9	15.0	15.3	16.0	15.7	15.9	16.0	**16.7**	4.5%	0.4%
Total Asia Pacific	996.5	1025.0	1060.7	1126.4	1140.2	1160.9	1202.8	1201.6	1211.2	1281.7	**1316.1**	2.7%	32.4%
Total World	**3595.6**	**3629.8**	**3702.7**	**3856.6**	**3901.7**	**3944.2**	**4005.0**	**3987.3**	**3908.9**	**4031.9**	**4059.1**	**0.7%**	**100.0%**
of which: OECD	2218.2	2210.0	2242.5	2285.8	2301.5	2290.6	2277.5	2208.9	2097.8	2118.0	**2092.0**	-1.2%	51.5%
Non-OECD	1377.3	1419.7	1460.2	1570.8	1600.1	1653.6	1727.5	1778.3	1811.1	1913.9	**1967.0**	2.8%	48.5%
European Union	708.2	703.4	706.0	715.1	720.1	722.2	706.5	705.6	667.7	662.8	**645.9**	-2.6%	15.9%
Former Soviet Union	170.9	172.9	177.7	178.5	177.1	186.0	181.4	187.2	178.0	180.4	**190.6**	5.7%	4.7%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss. Consumption of fuel ethanol and biodiesel is also included.
◆Less than 0.05%.
Note: Differences between these world consumption figures and world production statistics are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data.

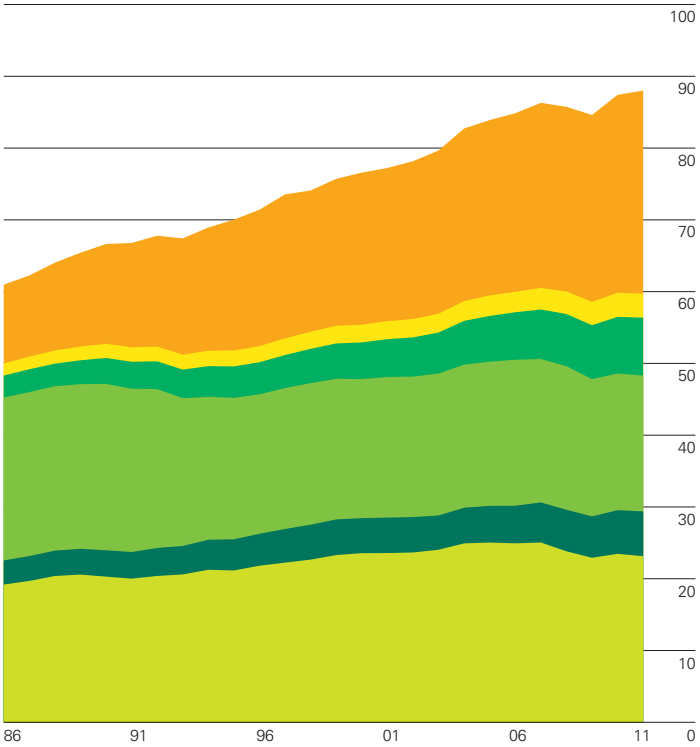
Production by region

Million barrels daily



Consumption by region

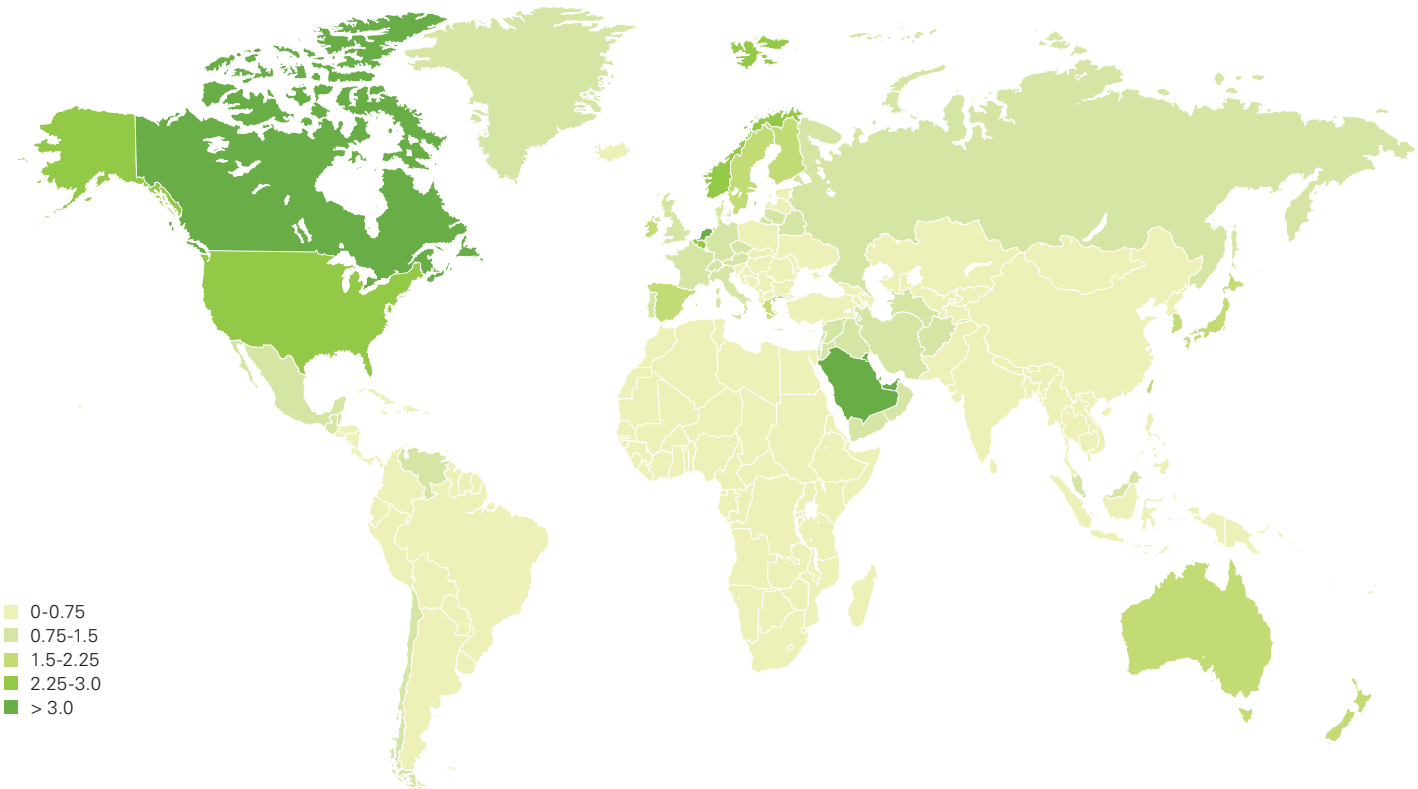
Million barrels daily



World oil production increased by 1.1 million b/d in 2011, with OPEC accounting for nearly all of the increase despite a 1.2 million b/d reduction in Libyan production. The US had the largest growth in non-OPEC supply for a third consecutive year. World oil consumption increased by roughly 600,000 b/d. All of the net growth came from emerging economies in Asia, South & Central America, and the Middle East, offsetting declines in Europe and North America.

Consumption per capita 2011

Tonnes



Regional consumption by product group

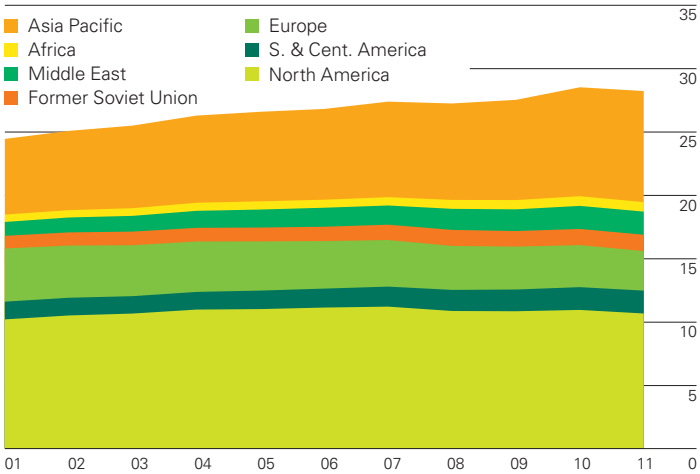
Thousand barrels daily	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
North America													
Light distillates	10194	10505	10657	10970	11009	11131	11204	10859	10839	10943	**10661**	-2.6%	46.0%
Middle distillates	6810	6653	6858	7131	7248	7297	7318	6936	6284	6565	**6612**	0.7%	28.6%
Fuel oil	1385	1186	1251	1338	1394	1055	1081	941	801	810	**764**	-5.6%	3.3%
Others	5207	5332	5291	5505	5410	5470	5467	5105	5022	5174	**5118**	-1.1%	22.1%
Total North America	23595	23676	24057	24945	25061	24953	25070	23841	22945	23491	**23156**	-1.4%	100.0%
of which: US													
Light distillates	8890	9167	9275	9518	9548	9599	9597	9253	9257	9263	**9005**	-2.8%	47.8%
Middle distillates	5884	5735	5886	6116	6198	6226	6199	5801	5241	5464	**5468**	0.1%	29.0%
Fuel oil	794	686	763	859	914	683	718	618	508	532	**478**	-10.3%	2.5%
Others	4082	4172	4109	4239	4143	4178	4166	3826	3766	3921	**3885**	-0.9%	20.6%
Total US	19649	19761	20033	20732	20802	20687	20680	19498	18771	19180	**18835**	-1.8%	100.0%
S. & Cent. America													
Light distillates	1401	1399	1373	1396	1461	1497	1582	1666	1717	1799	**1808**	0.5%	29.0%
Middle distillates	1710	1689	1694	1828	1849	1889	2080	2145	2105	2329	**2420**	3.9%	38.8%
Fuel oil	727	721	653	664	672	689	715	717	694	659	**625**	-5.1%	10.0%
Others	1107	1121	1059	1078	1129	1157	1205	1258	1248	1291	**1389**	7.5%	22.3%
Total S. & Cent. America	4945	4930	4778	4966	5111	5233	5582	5786	5763	6079	**6241**	2.7%	100.0%
Europe													
Light distillates	4204	4125	4025	3987	3888	3756	3681	3477	3389	3323	**3124**	-6.0%	21.1%
Middle distillates	6999	6939	7128	7335	7526	7700	7582	7798	7523	7599	**7494**	-1.4%	50.6%
Fuel oil	1864	1863	1826	1748	1740	1708	1603	1536	1362	1244	**1221**	-1.8%	8.2%
Others	2986	3041	3066	3117	3195	3257	3261	3207	3022	2980	**2976**	-0.2%	20.1%
Total Europe	16052	15968	16046	16187	16350	16421	16127	16019	15296	15146	**14814**	-2.2%	100.0%
Former Soviet Union													
Light distillates	1000	1040	1076	1077	1094	1132	1212	1264	1231	1277	**1290**	1.0%	31.4%
Middle distillates	1031	1039	1086	1113	1146	1199	1270	1331	1195	1307	**1445**	10.5%	35.2%
Fuel oil	663	635	598	535	515	568	459	427	396	386	**390**	1.1%	9.5%
Others	847	888	970	1022	990	1023	916	960	1005	922	**985**	6.8%	24.0%
Total Former Soviet Union	3541	3603	3730	3748	3745	3921	3857	3983	3827	3893	**4110**	5.6%	100.0%
Middle East													
Light distillates	1093	1178	1244	1342	1422	1502	1517	1664	1714	1821	**1829**	0.4%	22.7%
Middle distillates	1683	1742	1807	1910	2026	2151	2265	2375	2386	2448	**2525**	3.1%	31.3%
Fuel oil	1398	1381	1406	1530	1595	1633	1755	1808	1923	1986	**2012**	1.3%	24.9%
Others	1086	1166	1250	1318	1322	1329	1359	1423	1487	1635	**1709**	4.5%	21.2%
Total Middle East	5260	5467	5707	6100	6365	6615	6895	7270	7510	7890	**8076**	2.3%	100.0%
Africa													
Light distillates	584	579	606	639	648	635	658	703	734	767	**750**	-2.1%	22.5%
Middle distillates	1032	1069	1102	1129	1164	1190	1281	1367	1411	1472	**1507**	2.4%	45.2%
Fuel oil	365	357	360	376	421	404	413	413	420	451	**408**	-9.6%	12.2%
Others	530	555	561	603	632	627	654	666	678	687	**671**	-2.4%	20.1%
Total Africa	2510	2560	2629	2747	2864	2855	3006	3150	3243	3377	**3336**	-1.2%	100.0%
Asia Pacific													
Light distillates	5980	6263	6524	6888	7077	7172	7548	7623	7919	8604	**8776**	2.0%	31.0%
Middle distillates	7963	8080	8235	8771	9012	9078	9244	9365	9418	9854	**10148**	3.0%	35.9%
Fuel oil	3415	3333	3467	3499	3487	3571	3611	3438	3087	3092	**3197**	3.4%	11.3%
Others	3985	4307	4512	4895	4853	5055	5381	5293	5622	6012	**6180**	2.8%	21.8%
Total Asia Pacific	21343	21983	22738	24053	24429	24875	25783	25720	26047	27563	**28301**	2.7%	100.0%
of which: China													
Light distillates	1260	1359	1498	1681	1787	1900	2036	2125	2230	2726	**2883**	5.8%	29.5%
Middle distillates	1673	1785	1938	2277	2518	2713	2869	3079	3178	3430	**3679**	7.3%	37.7%
Fuel oil	771	783	869	943	893	929	899	776	662	666	**682**	2.5%	7.0%
Others	1155	1335	1467	1837	1745	1896	2013	1957	2141	2429	**2513**	3.5%	25.8%
Total China	4859	5262	5771	6738	6944	7437	7817	7937	8212	9251	**9758**	5.5%	100.0%
Japan													
Light distillates	1688	1728	1755	1766	1817	1794	1770	1650	1669	1727	**1657**	-4.1%	37.5%
Middle distillates	1970	1944	1918	1869	1878	1760	1621	1502	1380	1391	**1335**	-4.0%	30.2%
Fuel oil	676	635	753	657	680	661	661	710	453	444	**576**	29.7%	13.0%
Others	1057	1012	985	950	952	967	955	947	879	851	**851**	-0.1%	19.3%
Total Japan	5392	5319	5410	5243	5327	5182	5007	4809	4381	4413	**4418**	0.1%	100.0%
World													
Light distillates	24455	25089	25506	26299	26599	26824	27401	27256	27543	28535	**28239**	-1.0%	32.1%
Middle distillates	27227	27211	27910	29217	29971	30504	31041	31318	30321	31574	**32150**	1.8%	36.5%
Fuel oil	9817	9476	9561	9691	9824	9628	9637	9281	8685	8629	**8619**	-0.1%	9.8%
Others	15747	16411	16710	17538	17530	17917	18243	17913	18083	18702	**19026**	1.7%	21.6%
Total World	**77245**	**78187**	**79686**	**82746**	**83925**	**84873**	**86321**	**85768**	**84631**	**87439**	**88034**	**0.7%**	**100.0%**
OECD													
Light distillates	17298	17612	17724	17970	18008	18008	18099	17408	17375	17516	**17037**	-2.7%	37.1%
Middle distillates	16767	16540	16910	17329	17668	17783	17612	17308	16231	16644	**16551**	-0.6%	36.0%
Fuel oil	4337	4083	4222	4131	4194	3790	3709	3497	2895	2766	**2812**	1.7%	6.1%
Others	9790	9919	9882	10105	10076	10222	10213	9810	9509	9597	**9524**	-0.8%	20.7%
Total OECD	48192	48155	48737	49535	49946	49804	49632	48023	46009	46523	**45924**	-1.3%	100.0%
Non-OECD													
Light distillates	7158	7477	7782	8329	8590	8816	9301	9849	10168	11019	**11201**	1.7%	26.6%
Middle distillates	10460	10670	11000	11889	12303	12721	13429	14010	14091	14929	**15599**	4.5%	37.0%
Fuel oil	5479	5393	5339	5560	5631	5837	5928	5784	5790	5863	**5807**	-0.9%	13.8%
Others	5957	6492	6828	7433	7454	7695	8031	8102	8574	9105	**9503**	4.4%	22.6%
Total Non-OECD	29054	30032	30949	33211	33979	35069	36689	37745	38623	40917	**42111**	2.9%	100.0%
European Union													
Light distillates	3950	3869	3787	3739	3649	3511	3460	3274	3169	3118	**2923**	-6.3%	21.7%
Middle distillates	6475	6412	6585	6773	6942	7074	6938	7119	6853	6943	**6790**	-2.2%	50.4%
Fuel oil	1684	1673	1629	1590	1591	1574	1489	1440	1279	1194	**1169**	-2.1%	8.7%
Others	2688	2751	2752	2790	2848	2885	2869	2852	2648	2605	**2596**	-0.4%	19.3%
Total European Union	14797	14704	14754	14891	15030	15044	14755	14685	13949	13860	**13478**	-2.8%	100.0%

Notes: Annual changes and shares of total are calculated using thousand barrels daily figures.
'Light distillates' consists of aviation and motor gasolines and light distillate feedstock (LDF).
'Middle distillates' consists of jet and heating kerosenes, and gas and diesel oils (including marine bunkers).
'Fuel oil' includes marine bunkers and crude oil used directly as fuel.
'Others' consists of refinery gas, liquefied petroleum gas (LPG), solvents, petroleum coke, lubricants, bitumen, wax, other refined products and refinery fuel and loss.

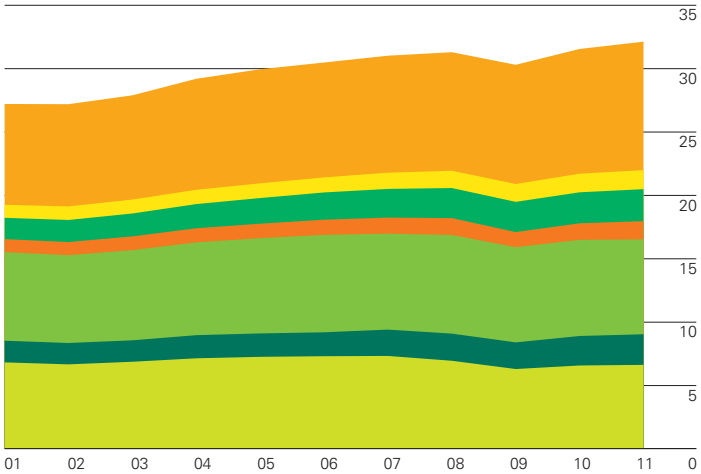
Product consumption by region

Million barrels daily

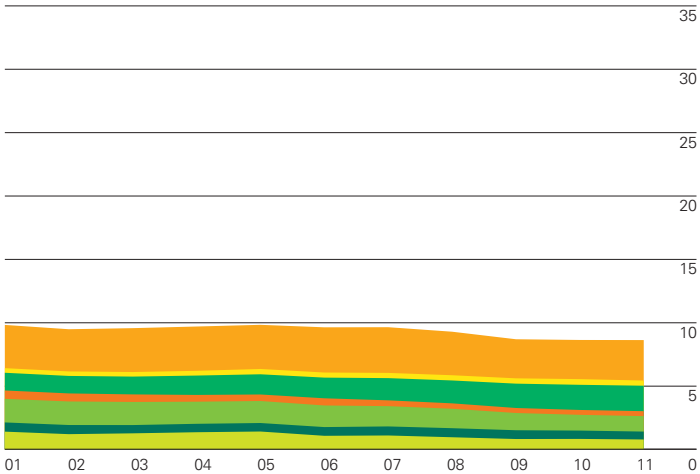
Light distillates



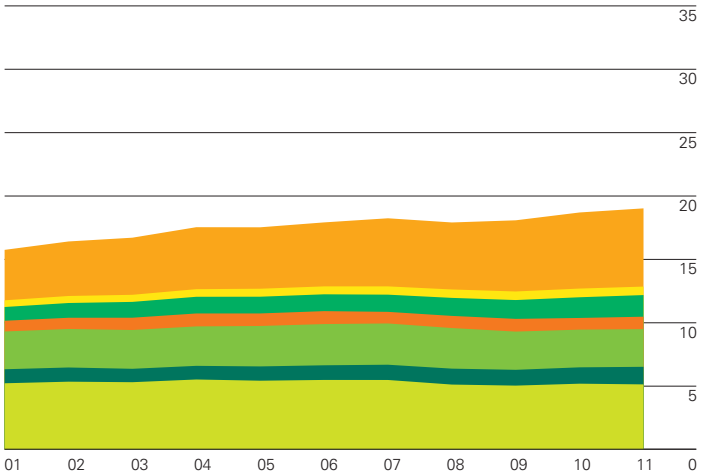
Middle distillates



Fuel oil

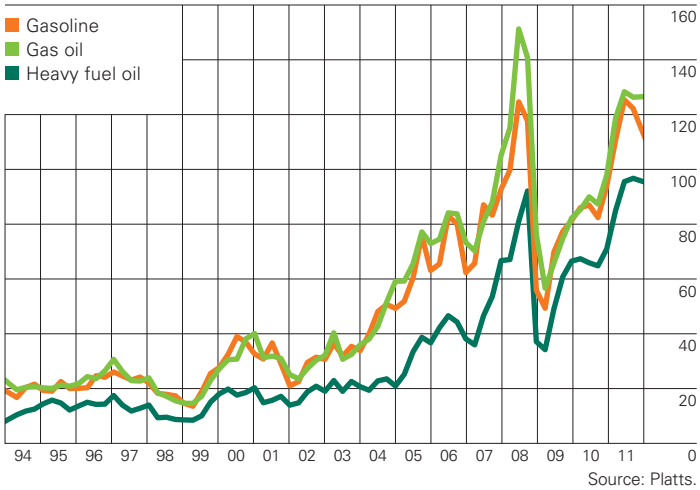


Others



Rotterdam product prices

US dollars per barrel



Source: Platts.

US Gulf Coast product prices

US dollars per barrel

Source: Platts.

Spot crude prices

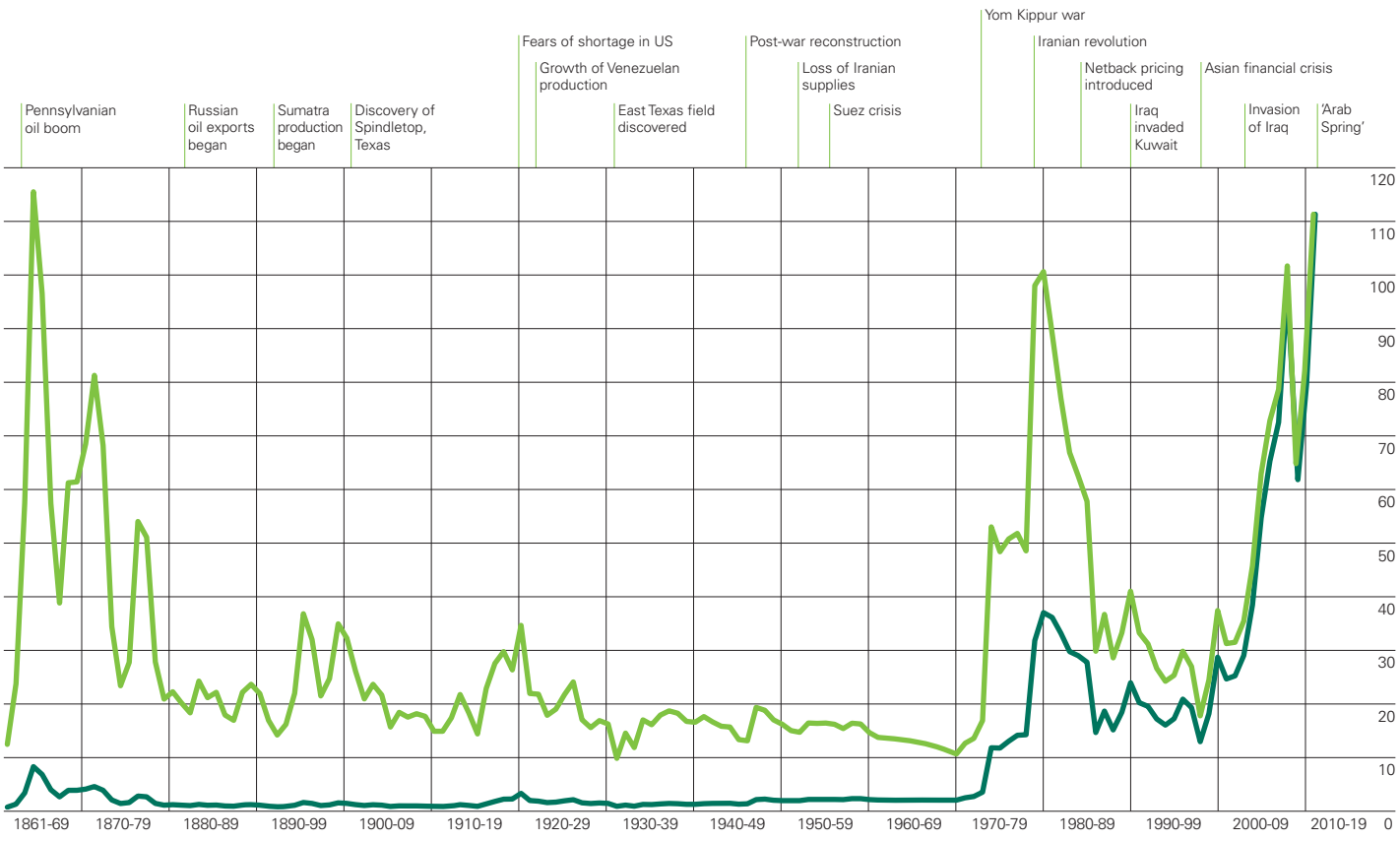
US dollars per barrel	Dubai $/bbl*	Brent $/bbl†	Nigerian Forcados $/bbl	West Texas Intermediate $/bbl‡
1974	10.41	–	–	–
1975	10.70	–	–	–
1976	11.63	12.80	12.87	12.23
1977	12.38	13.92	14.21	14.22
1978	13.03	14.02	13.65	14.55
1979	29.75	31.61	29.25	25.08
1980	35.69	36.83	36.98	37.96
1981	34.32	35.93	36.18	36.08
1982	31.80	32.97	33.29	33.65
1983	28.78	29.55	29.54	30.30
1984	28.06	28.78	28.14	29.39
1985	27.53	27.56	27.75	27.98
1986	13.10	14.43	14.46	15.10
1987	16.95	18.44	18.39	19.18
1988	13.27	14.92	15.00	15.97
1989	15.62	18.23	18.30	19.68
1990	20.45	23.73	23.85	24.50
1991	16.63	20.00	20.11	21.54
1992	17.17	19.32	19.61	20.57
1993	14.93	16.97	17.41	18.45
1994	14.74	15.82	16.25	17.21
1995	16.10	17.02	17.26	18.42
1996	18.52	20.67	21.16	22.16
1997	18.23	19.09	19.33	20.61
1998	12.21	12.72	12.62	14.39
1999	17.25	17.97	18.00	19.31
2000	26.20	28.50	28.42	30.37
2001	22.81	24.44	24.23	25.93
2002	23.74	25.02	25.04	26.16
2003	26.78	28.83	28.66	31.07
2004	33.64	38.27	38.13	41.49
2005	49.35	54.52	55.69	56.59
2006	61.50	65.14	67.07	66.02
2007	68.19	72.39	74.48	72.20
2008	94.34	97.26	101.43	100.06
2009	61.39	61.67	63.35	61.92
2010	78.06	79.50	81.05	79.45
2011	106.18	111.26	113.65	95.04

*1974-1985 Arabian Light, 1986-2011 Dubai dated.
†1976-1983 Forties, 1984-2011 Brent dated.
‡1976-1983 Posted WTI prices, 1984-2011 Spot WTI (Cushing) prices.

Source: Platts.

Crude oil prices 1861-2011

US dollars per barrel



1861-1944 US average.
1945-1983 Arabian Light posted at Ras Tanura.
1984-2011 Brent dated.

Refinery capacities

Thousand barrels daily*	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	16785	16757	16894	17125	17339	17443	17594	17672	17688	17594	**17730**	0.8%	19.1%
Canada	1917	1923	1959	1915	1896	1914	1907	1951	1976	1951	**2046**	4.9%	2.2%
Mexico	1481	1463	1463	1463	1463	1463	1463	1463	1463	1463	**1606**	9.7%	1.7%
Total North America	20183	20143	20316	20503	20698	20821	20964	21086	21127	21008	**21382**	1.8%	23.0%
Argentina	619	619	620	623	627	623	634	634	636	640	**649**	1.4%	0.7%
Brazil	1849	1854	1915	1915	1916	1916	1935	2045	2093	2093	**2116**	1.1%	2.3%
Netherlands Antilles	320	320	320	320	320	320	320	320	320	320	**320**	–	0.3%
Venezuela	1269	1269	1269	1284	1291	1294	1303	1303	1303	1303	**1303**	–	1.4%
Other S. & Cent. America	2189	2234	2229	2235	2251	2260	2310	2356	2327	2297	**2202**	-4.1%	2.4%
Total S. & Cent. America	6246	6296	6353	6377	6405	6413	6502	6658	6679	6653	**6590**	-0.9%	7.1%
Belgium	785	803	805	782	778	774	745	745	823	813	**823**	1.2%	0.9%
France	1961	1987	1967	1982	1978	1959	1962	1971	1873	1702	**1610**	-5.4%	1.7%
Germany	2274	2286	2304	2320	2322	2390	2390	2366	2362	2091	**2077**	-0.7%	2.2%
Greece	412	412	412	412	418	425	425	425	425	440	**498**	13.2%	0.5%
Italy	2485	2485	2485	2497	2515	2526	2497	2396	2396	2396	**2331**	-2.7%	2.5%
Netherlands	1278	1282	1282	1284	1274	1274	1236	1280	1280	1274	**1276**	0.2%	1.4%
Norway	307	310	310	310	310	310	310	310	310	310	**310**	–	0.3%
Russian Federation	5506	5460	5324	5327	5392	5471	5484	5405	5382	5491	**5663**	3.1%	6.1%
Spain	1330	1330	1347	1372	1377	1377	1377	1377	1377	1427	**1467**	2.8%	1.6%
Sweden	422	422	422	422	422	422	422	422	422	422	**434**	2.9%	0.5%
Turkey	713	713	713	693	613	613	613	613	613	613	**613**	–	0.7%
United Kingdom	1769	1785	1813	1848	1819	1836	1819	1827	1757	1757	**1757**	–	1.9%
Other Europe & Eurasia	5920	5762	5699	5695	5658	5545	5581	5567	5604	5699	**5710**	0.2%	6.1%
Total Europe & Eurasia	25162	25037	24883	24944	24877	24922	24862	24704	24624	24435	**24570**	0.5%	26.4%
Iran	1597	1597	1607	1642	1642	1727	1772	1805	1860	1860	**1860**	–	2.0%
Iraq	740	740	740	740	743	748	755	744	754	846	**924**	9.2%	1.0%
Kuwait	759	809	909	931	931	931	931	931	931	931	**931**	–	1.0%
Saudi Arabia	1806	1810	1890	2075	2100	2100	2100	2100	2100	2100	**2110**	0.5%	2.3%
United Arab Emirates	674	711	645	620	620	620	625	673	673	673	**673**	–	0.7%
Other Middle East	1170	1248	1248	1248	1248	1283	1341	1350	1501	1513	**1513**	–	1.6%
Total Middle East	6746	6915	7039	7256	7284	7409	7524	7603	7819	7923	**8011**	1.1%	8.6%
Total Africa	3164	3228	3177	3116	3224	3049	3037	3151	3012	3192	**3317**	3.9%	3.6%
Australia	815	829	756	763	711	694	733	734	734	740	**742**	0.4%	0.8%
China	5643	5933	6295	6603	7165	7865	8399	8722	9479	10302	**10834**	5.2%	11.6%
India	2261	2303	2293	2558	2558	2872	2983	2992	3574	3703	**3804**	2.7%	4.1%
Indonesia	1127	1092	1057	1057	1057	1127	1150	1052	1085	1139	**1141**	0.2%	1.2%
Japan	4705	4728	4645	4531	4531	4588	4650	4650	4630	4291	**4274**	-0.4%	4.6%
Singapore	1255	1255	1255	1255	1255	1255	1255	1385	1385	1385	**1395**	0.7%	1.5%
South Korea	2598	2598	2598	2598	2598	2633	2671	2712	2712	2712	**2783**	2.6%	3.0%
Taiwan	874	1159	1159	1159	1159	1140	1197	1197	1197	1197	**1197**	–	1.3%
Thailand	1064	1068	1068	1068	1078	1125	1125	1220	1285	1298	**1298**	–	1.4%
Other Asia Pacific	1512	1487	1416	1410	1428	1435	1443	1459	1605	1638	**1667**	1.7%	1.8%
Total Asia Pacific	21853	22451	22541	23001	23540	24734	25606	26123	27685	28405	**29135**	2.6%	31.3%
Total World	**83355**	**84068**	**84308**	**85198**	**86027**	**87347**	**88495**	**89324**	**90946**	**91616**	**93004**	**1.5%**	**100.0%**
of which: OECD	44697	44907	44986	45133	45204	45469	45688	45789	45752	44989	**45426**	1.0%	48.8%
Non-OECD	38657	39161	39322	40065	40823	41879	42807	43535	45193	46627	**47578**	2.0%	51.2%
European Union	15540	15691	15729	15803	15811	15857	15784	15658	15553	15229	**15234**	◆	16.4%
Former Soviet Union	8290	8011	7815	7818	7823	7841	7854	7825	7828	7963	**8093**	1.6%	8.7%

*Atmospheric distillation capacity on a calendar-day basis.
◆Less than 0.05%.
Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Source: Includes data from Parpinelli Tecnon.

Refinery throughputs

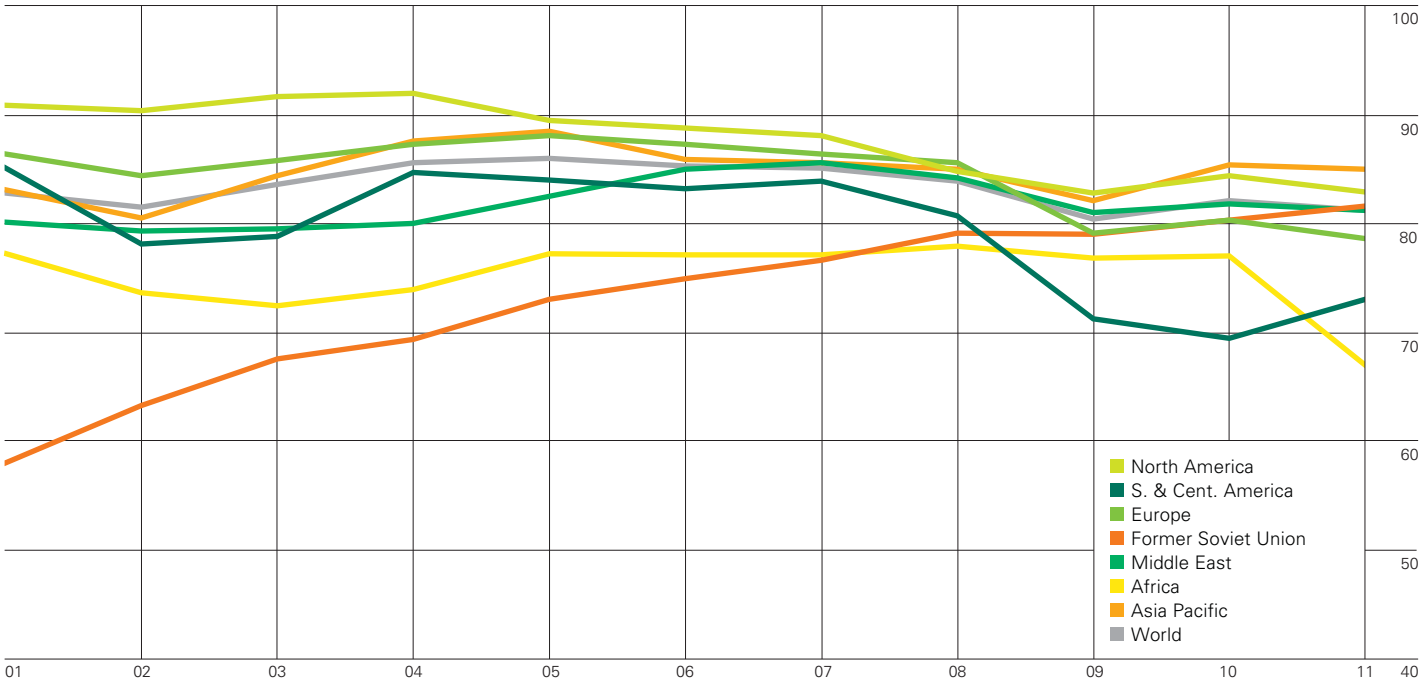
Thousand barrels daily*	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	15128	14947	15304	15475	15220	15242	15156	14648	14336	14724	**14833**	0.7%	19.6%
Canada	1812	1862	1880	1957	1883	1835	1908	1839	1773	1832	**1733**	-5.4%	2.3%
Mexico	1398	1390	1436	1436	1415	1407	1395	1392	1392	1184	**1167**	-1.5%	1.5%
S. & Cent. America	5318	4918	5009	5401	5378	5334	5456	5370	4752	4615	**4812**	4.3%	6.4%
Europe & Eurasia	19367	19427	19916	20369	20732	20780	20714	20634	19472	19624	**19544**	-0.4%	25.9%
Middle East	5406	5482	5599	5805	6007	6294	6442	6404	6334	6484	**6505**	0.3%	8.6%
Africa	2443	2377	2301	2304	2490	2352	2343	2456	2313	2457	**2219**	-9.7%	2.9%
Australasia	847	855	823	820	757	749	767	756	762	756	**789**	4.3%	1.0%
China	4215	4395	4823	5382	5916	6155	6563	6953	7488	8571	**8992**	4.9%	11.9%
India	2144	2212	2380	2559	2561	2860	3107	3213	3641	3899	**4085**	4.8%	5.4%
Japan	4107	3986	4118	4038	4136	4026	3995	3946	3627	3619	**3406**	-5.9%	4.5%
Other Asia Pacific	6841	6630	6877	7352	7465	7460	7484	7348	7218	7422	**7480**	0.8%	9.9%
Total World	**69026**	**68481**	**70465**	**72897**	**73960**	**74494**	**75330**	**74960**	**73108**	**75188**	**75563**	**0.5%**	**100.0%**
of which: OECD	39685	39014	39811	40367	40163	39977	39717	38790	36923	37239	**36931**	-0.8%	48.9%
Non-OECD	29341	29467	30654	32531	33797	34517	35613	36170	36185	37948	**38632**	1.8%	51.1%
European Union	13646	13440	13683	14028	14101	13941	13701	13594	12583	12511	**12193**	-2.5%	16.1%
Former Soviet Union	4797	5060	5276	5417	5713	5873	6017	6188	6187	6396	**6601**	3.2%	8.7%

*Input to primary distillation units only.
Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

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

Refinery utilization

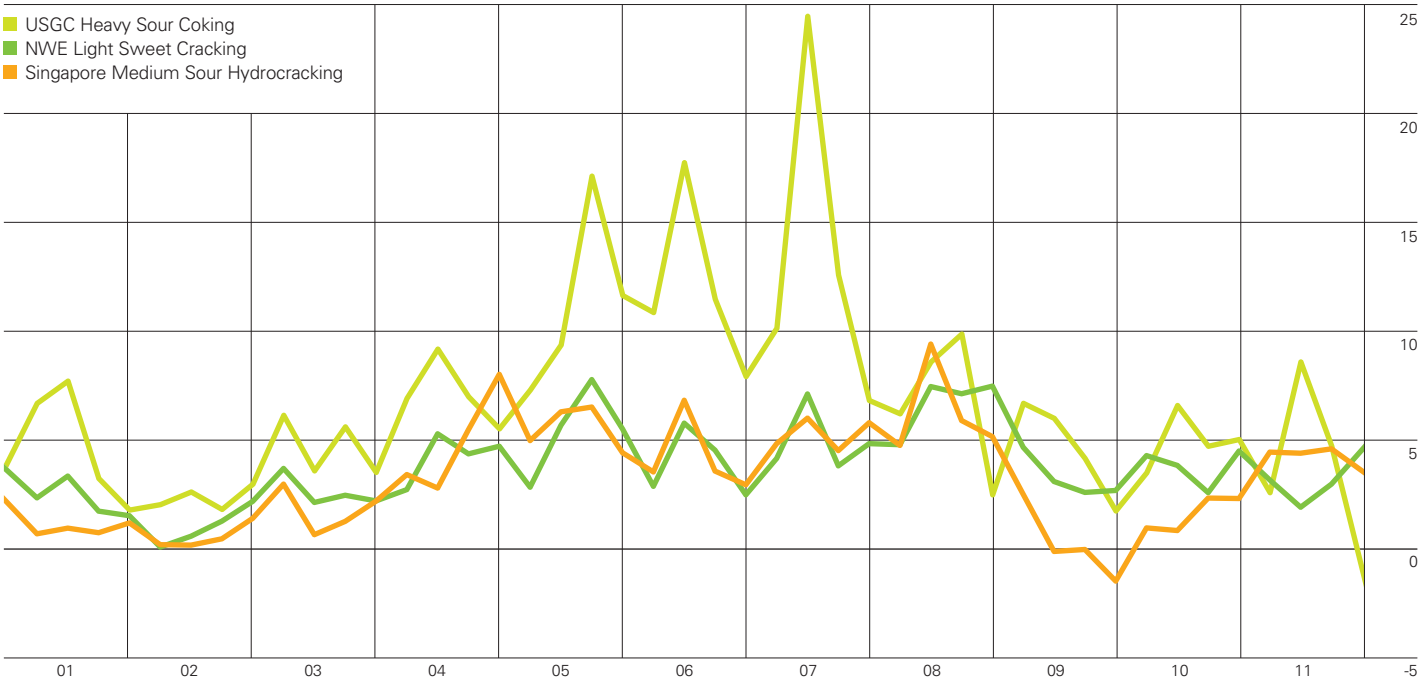
Percentage



Global crude runs grew by 0.4 million b/d in 2011, with all of the net increase accounted for by China. Refinery throughputs in the OECD fell by 0.3 million b/d and now lag those in the non-OECD by 1.7 million b/d. Last year's 1.4 million b/d increase in global refining capacity was more evenly spread but China's 0.5 million b/d addition was still the largest by a single country. Installed capacity in the non-OECD is now 2.2 million b/d above that of the OECD. Global average refinery utilization fell to 81.2%, the lowest since 2009.

Regional refining margins

US dollars per barrel



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

Trade movements

Thousand barrels daily	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
Imports													
US	11618	11357	12254	12898	13525	13612	13632	12872	11453	11689	**11337**	-3.0%	20.8%
Europe	11531	11895	11993	12538	13261	13461	13953	13751	12486	12094	**12086**	-0.1%	22.1%
Japan	5202	5070	5314	5203	5225	5201	5032	4925	4263	4567	**4491**	-1.7%	8.2%
Rest of World	16436	16291	17191	18651	19172	20287	22937	23078	24132	25160	**26666**	6.0%	48.9%
Total World	**44787**	**44613**	**46752**	**49290**	**51182**	**52561**	**55554**	**54626**	**52333**	**53510**	**54580**	**2.0%**	**100.0%**
Exports													
US	910	904	921	991	1129	1317	1439	1967	1947	2154	**2573**	19.4%	4.7%
Canada	1804	1959	2096	2148	2201	2330	2457	2498	2518	2599	**2804**	7.9%	5.1%
Mexico	1882	1966	2115	2070	2065	2102	1975	1609	1449	1539	**1487**	-3.4%	2.7%
S. & Cent. America	3143	2965	2942	3233	3528	3681	3570	3616	3748	3568	**3763**	5.5%	6.9%
Europe	1947	2234	2066	1993	2149	2173	2273	2023	2034	1888	**2065**	9.4%	3.8%
Former Soviet Union	4679	5370	6003	6440	7076	7155	8334	8184	7972	8544	**8688**	1.7%	15.9%
Middle East	19098	18062	18943	19630	19821	20204	19680	20128	18409	18883	**19750**	4.6%	36.2%
North Africa	2724	2620	2715	2917	3070	3225	3336	3260	2938	2871	**1930**	-32.8%	3.5%
West Africa	3182	3134	3612	4048	4358	4704	4830	4587	4364	4601	**4655**	1.2%	8.5%
Asia Pacific‡	3914	3848	3978	4189	4243	4312	6004	5392	5631	6226	**6233**	0.1%	11.4%
Rest of World	1506	1551	1361	1631	1542	1359	1656	1363	1323	637	**631**	-0.9%	1.2%
Total World	**44789**	**44613**	**46752**	**49290**	**51182**	**52561**	**55554**	**54626**	**52333**	**53510**	**54580**	**2.0%**	**100.0%**

‡Excludes Japan. Excludes trade between other Asia Pacific countries and India prior to 2007.
Note: Annual changes and shares of total are calculated using thousand barrels daily figures.

Inter-area movements 2011

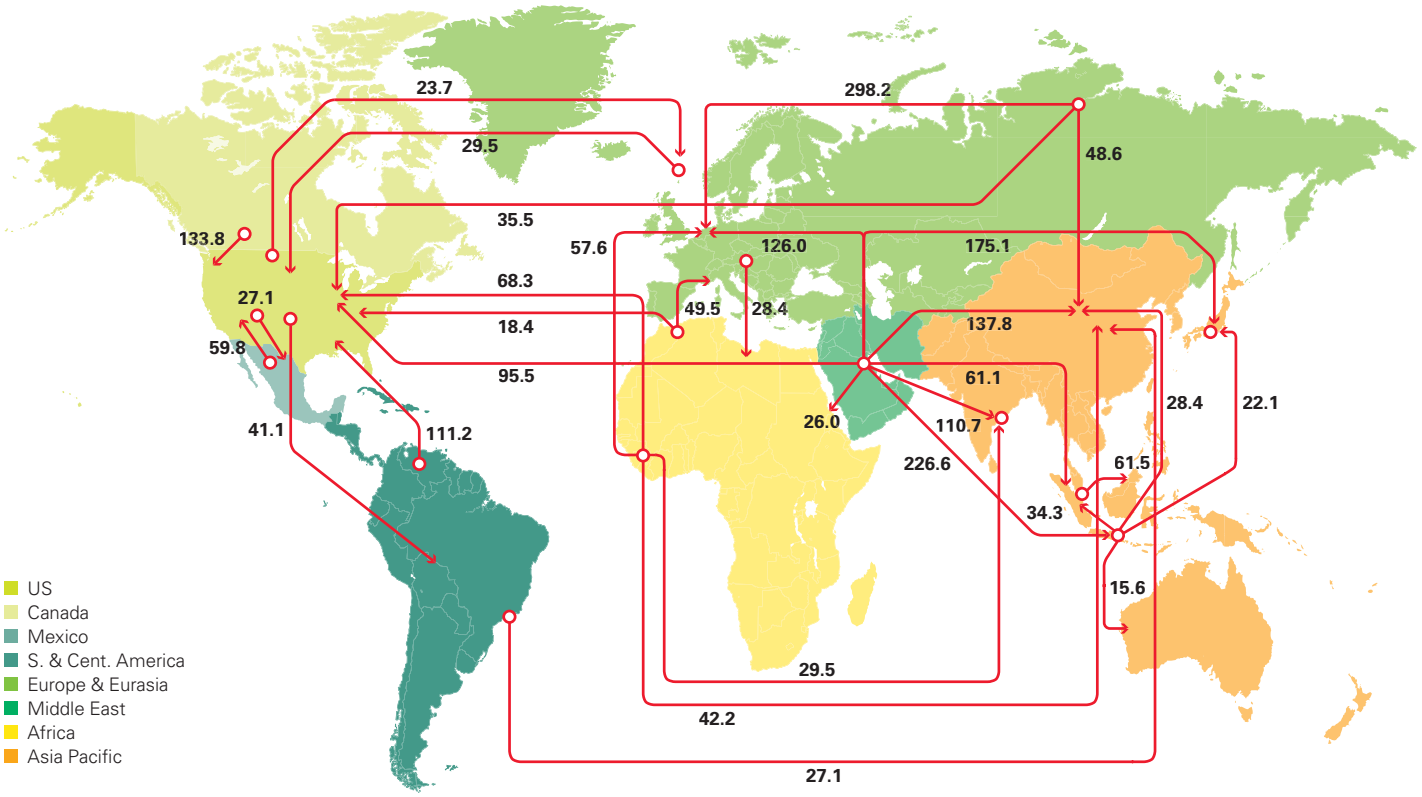
Million tonnes **From**	To US	Canada	Mexico	S. & Cent. America	Europe	Africa	Austral-asia	China	India	Japan	Singapore	Other Asia Pacific	Rest of World	**Total**
US	–	8.2	27.1	41.1	23.7	3.4	0.5	4.1	0.7	4.0	6.8	0.5	3.1	**123.1**
Canada	133.8	–	0.1	0.3	2.4	–	†	1.2	–	0.6	†	0.2	†	**138.5**
Mexico	59.8	1.5	–	1.3	7.2	†	–	1.7	1.8	–	0.2	†	0.1	**73.8**
S. & Cent. America	111.2	1.2	0.8	–	17.4	0.1	†	27.1	15.7	0.7	10.3	0.9	0.1	**185.5**
Europe	29.5	8.6	2.9	3.6	–	28.4	0.3	0.7	0.5	0.6	11.1	2.2	10.7	**99.3**
Former Soviet Union	35.5	1.2	0.2	1.3	298.2	0.4	1.3	48.6	1.0	8.8	6.3	15.6	9.7	**428.2**
Middle East	95.5	5.3	0.8	6.0	126.0	26.0	8.4	137.8	110.7	175.1	61.1	226.6	0.1	**979.4**
North Africa	18.4	6.4	0.4	4.3	49.5	†	0.6	6.0	6.5	0.5	†	1.7	0.7	**95.1**
West Africa	68.3	6.2	0.1	11.1	57.6	†	3.4	42.2	29.5	1.2	0.1	11.8	–	**231.5**
East & Southern Africa	–	–	–	†	0.1	†	†	13.0	1.3	2.1	0.1	0.2	–	**16.9**
Australasia	0.5	–	–	0.6	†	†	–	7.9	0.7	2.5	1.8	8.3	–	**22.2**
China	0.2	†	–	5.7	0.7	1.2	0.1	–	1.0	0.6	3.2	17.3	1.3	**31.3**
India	2.3	†	–	3.5	7.6	4.8	0.1	0.2	–	2.6	12.3	7.8	0.6	**41.8**
Japan	0.4	0.1	0.1	0.1	0.4	†	2.3	2.1	†	–	5.3	3.0	†	**13.9**
Singapore	0.3	0.2	–	0.3	2.1	2.0	10.6	7.1	2.9	0.4	–	61.5	0.4	**87.8**
Other Asia Pacific	4.2	0.1	0.1	2.1	3.4	0.9	15.6	28.4	5.4	22.1	34.3	–	0.3	**116.9**
Total imports	**559.8**	**39.3**	**32.7**	**81.2**	**596.4**	**67.4**	**43.4**	**328.1**	**177.9**	**221.8**	**152.7**	**357.6**	**27.2**	**2685.5**

Thousand barrels daily **From**														
US	–	170	566	859	495	72	10	86	14	83	141	11	65	**2573**
Canada	2706	–	2	6	49	–	‡	24	–	12	‡	4	‡	**2804**
Mexico	1205	31	–	27	145	1	–	34	37	–	4	1	3	**1487**
S. & Cent. America	2252	24	17	–	354	2	‡	549	315	14	215	19	2	**3763**
Europe	613	176	62	74	–	594	6	14	11	13	233	45	224	**2065**
Former Soviet Union	729	25	5	27	6039	8	27	992	20	178	131	314	194	**8688**
Middle East	1919	107	17	121	2543	524	170	2774	2224	3534	1234	4582	2	**19750**
North Africa	378	129	8	90	1001	‡	12	121	131	10	1	34	15	**1930**
West Africa	1374	125	2	223	1159	‡	69	848	592	24	1	237	–	**4655**
East & Southern Africa	–	–	–	1	2	‡	‡	261	27	42	3	4	–	**341**
Australasia	9	–	–	13	‡	‡	–	161	14	52	36	169	–	**453**
China	4	1	–	119	16	25	2	–	21	13	66	360	26	**653**
India	48	1	–	73	159	101	3	5	–	55	257	162	12	**875**
Japan	9	3	2	1	8	1	48	44	1	–	111	62	1	**291**
Singapore	5	5	–	6	44	42	222	148	61	9	–	1285	9	**1836**
Other Asia Pacific	86	3	3	43	71	19	316	590	110	453	715	–	7	**2416**
Total imports	**11337**	**799**	**684**	**1683**	**12086**	**1390**	**885**	**6651**	**3579**	**4491**	**3147**	**7290**	**560**	**54580**

†Less than 0.05.
‡Less than 0.5.

Major trade movements 2011

Trade flows worldwide (million tonnes)



Imports and exports 2011

	Million tonnes				Thousand barrels daily			
	Crude imports	Product imports	Crude exports	Product exports	Crude imports	Product imports	Crude exports	Product exports
US	445.0	114.8	1.0	122.1	8937	2400	21	2552
Canada	26.6	12.7	111.7	26.8	533	265	2243	561
Mexico	–	32.7	67.5	6.2	–	684	1356	131
South & Cent. America	18.7	62.6	139.0	46.5	375	1308	2791	972
Europe	464.2	132.2	12.9	86.4	9322	2764	259	1806
Former Soviet Union	†	5.1	319.3	108.9	‡	107	6413	2276
Middle East	10.7	11.4	879.4	100.0	214	239	17660	2090
North Africa	21.0	20.6	72.3	22.9	423	430	1451	478
West Africa	†	11.8	224.1	7.4	‡	246	4501	154
East & Southern Africa	2.4	11.6	16.6	0.3	48	243	334	6
Australasia	26.8	16.6	14.2	8.0	538	346	285	168
China	252.9	75.2	1.5	29.8	5080	1571	30	623
India	169.7	8.2	0.1	41.8	3407	171	1.5	873
Japan	177.3	44.5	†	13.9	3560	930	0.6	290
Singapore	55.1	97.6	0.7	87.1	1107	2040	14	1822
Other Asia Pacific	224.4	133.2	34.3	82.6	4505	2785	690	1727
Total World	**1894.7**	**790.7**	**1894.7**	**790.7**	**38050**	**16530**	**38050**	**16530**

†Less than 0.05.
‡Less than 0.5.
Note: Bunkers are not included as exports. Intra-area movements (for example, between countries in Europe) are excluded.

Natural gas

Proved reserves

	At end 1991 Trillion cubic metres	At end 2001 Trillion cubic metres	At end 2010 Trillion cubic metres	At end 2011 Trillion cubic feet	At end 2011 Trillion cubic metres	At end 2011 Share of total	At end 2011 R/P ratio
US	4.7	5.2	8.2	**299.8**	**8.5**	4.1%	13.0
Canada	2.7	1.7	1.8	**70.0**	**2.0**	1.0%	12.4
Mexico	2.0	0.8	0.3	**12.5**	**0.4**	0.2%	6.7
Total North America	9.5	7.7	10.3	**382.3**	**10.8**	5.2%	12.5
Argentina	0.6	0.8	0.4	**12.0**	**0.3**	0.2%	8.8
Bolivia	0.1	0.8	0.3	**9.9**	**0.3**	0.1%	18.3
Brazil	0.1	0.2	0.4	**16.0**	**0.5**	0.2%	27.1
Colombia	0.1	0.1	0.2	**5.8**	**0.2**	0.1%	14.9
Peru	0.3	0.2	0.4	**12.5**	**0.4**	0.2%	31.1
Trinidad & Tobago	0.2	0.6	0.4	**14.2**	**0.4**	0.2%	9.9
Venezuela	3.6	4.2	5.5	**195.2**	**5.5**	2.7%	*
Other S. & Cent. America	0.2	0.1	0.1	**2.2**	**0.1**	◆	23.7
Total S. & Cent. America	5.3	7.0	7.5	**267.7**	**7.6**	3.6%	45.2
Azerbaijan	n/a	1.2	1.3	**44.9**	**1.3**	0.6%	85.8
Denmark	0.1	0.1	0.1	**1.6**	**†**	◆	6.5
Germany	0.2	0.2	0.1	**2.2**	**0.1**	◆	6.2
Italy	0.3	0.2	0.1	**3.1**	**0.1**	◆	11.4
Kazakhstan	n/a	1.8	1.9	**66.4**	**1.9**	0.9%	97.6
Netherlands	1.8	1.5	1.1	**38.9**	**1.1**	0.5%	17.2
Norway	1.3	2.2	2.0	**73.1**	**2.1**	1.0%	20.4
Poland	0.2	0.1	0.1	**4.3**	**0.1**	0.1%	28.3
Romania	0.5	0.3	0.6	**3.8**	**0.1**	0.1%	9.9
Russian Federation	n/a	42.4	44.4	**1575.0**	**44.6**	21.4%	73.5
Turkmenistan	n/a	2.6	13.4	**858.8**	**24.3**	11.7%	*
Ukraine	n/a	1.0	0.9	**33.0**	**0.9**	0.4%	51.3
United Kingdom	0.5	1.1	0.2	**7.1**	**0.2**	0.1%	4.5
Uzbekistan	n/a	1.7	1.6	**56.6**	**1.6**	0.8%	28.1
Other Europe & Eurasia	50.1	0.5	0.3	**10.0**	**0.3**	0.1%	29.4
Total Europe & Eurasia	54.9	56.8	68.0	**2778.8**	**78.7**	37.8%	75.9
Bahrain	0.2	0.1	0.2	**12.3**	**0.3**	0.2%	26.8
Iran	19.8	26.1	33.1	**1168.6**	**33.1**	15.9%	*
Iraq	3.1	3.1	3.2	**126.7**	**3.6**	1.7%	*
Kuwait	1.5	1.6	1.8	**63.0**	**1.8**	0.9%	*
Oman	0.1	0.9	0.9	**33.5**	**0.9**	0.5%	35.8
Qatar	6.4	25.8	25.0	**884.5**	**25.0**	12.0%	*
Saudi Arabia	5.2	6.5	8.0	**287.8**	**8.2**	3.9%	82.1
Syria	0.2	0.2	0.3	**10.1**	**0.3**	0.1%	34.3
United Arab Emirates	5.8	6.1	6.1	**215.1**	**6.1**	2.9%	*
Yemen	0.4	0.5	0.5	**16.9**	**0.5**	0.2%	50.7
Other Middle East	†	0.1	0.2	**7.8**	**0.2**	0.1%	49.3
Total Middle East	42.7	70.9	79.4	**2826.3**	**80.0**	38.4%	*
Algeria	3.6	4.5	4.5	**159.1**	**4.5**	2.2%	57.7
Egypt	0.4	1.6	2.2	**77.3**	**2.2**	1.1%	35.7
Libya	1.3	1.3	1.5	**52.8**	**1.5**	0.7%	*
Nigeria	3.4	4.6	5.1	**180.5**	**5.1**	2.5%	*
Other Africa	0.8	1.1	1.2	**43.5**	**1.2**	0.6%	63.4
Total Africa	9.5	13.1	14.5	**513.2**	**14.5**	7.0%	71.7
Australia	0.9	2.7	3.7	**132.8**	**3.8**	1.8%	83.6
Bangladesh	0.7	0.3	0.4	**12.5**	**0.4**	0.2%	17.8
Brunei	0.4	0.4	0.3	**10.2**	**0.3**	0.1%	22.5
China	1.0	1.4	2.9	**107.7**	**3.1**	1.5%	29.8
India	0.7	0.8	1.1	**43.8**	**1.2**	0.6%	26.9
Indonesia	1.8	2.6	3.0	**104.7**	**3.0**	1.4%	39.2
Malaysia	1.7	2.5	2.4	**86.0**	**2.4**	1.2%	39.4
Myanmar	0.3	0.3	0.2	**7.8**	**0.2**	0.1%	17.8
Pakistan	0.8	0.7	0.8	**27.5**	**0.8**	0.4%	19.9
Papua New Guinea	0.4	0.4	0.4	**15.6**	**0.4**	0.2%	*
Thailand	0.2	0.4	0.3	**9.9**	**0.3**	0.1%	7.6
Vietnam	†	0.2	0.6	**21.8**	**0.6**	0.3%	72.3
Other Asia Pacific	0.3	0.4	0.4	**12.1**	**0.3**	0.2%	18.9
Total Asia Pacific	9.3	13.1	16.5	**592.5**	**16.8**	8.0%	35.0
Total World	**131.2**	**168.5**	**196.1**	**7360.9**	**208.4**	**100.0%**	**63.6**
of which: OECD	15.2	16.1	18.1	**660.2**	**18.7**	9.0%	16.0
Non-OECD	116.1	152.5	178.0	**6700.7**	**189.7**	91.0%	90.0
European Union	3.8	3.6	2.3	**64.4**	**1.8**	0.9%	11.8
Former Soviet Union	49.8	50.9	63.5	**2638.5**	**74.7**	35.8%	96.3

*More than 100 years.
†Less than 0.05.
◆Less than 0.05%.
n/a not available.

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

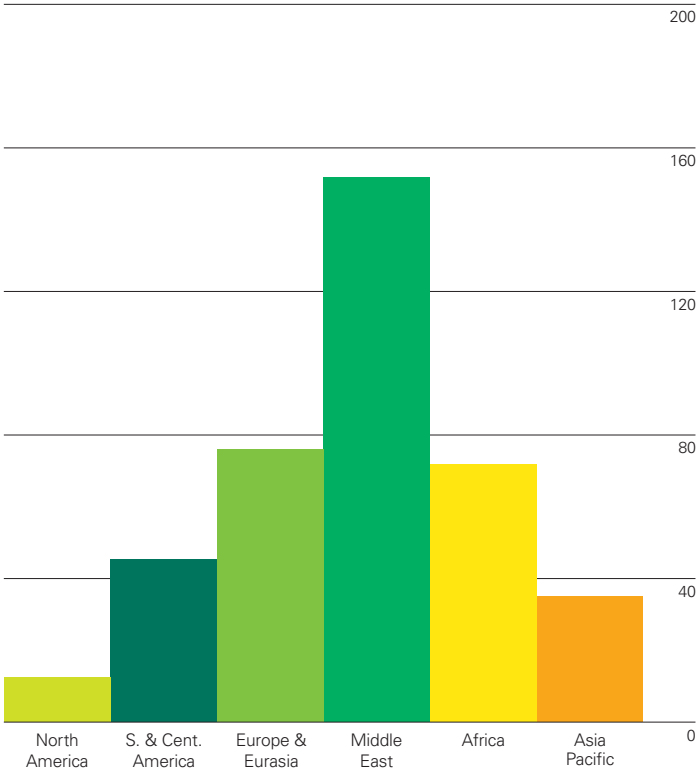
Reserves-to-production (R/P) ratio – If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

Source of data – The estimates in this table have been compiled using a combination of primary official sources and third-party data from Cedigaz and the OPEC Secretariat.

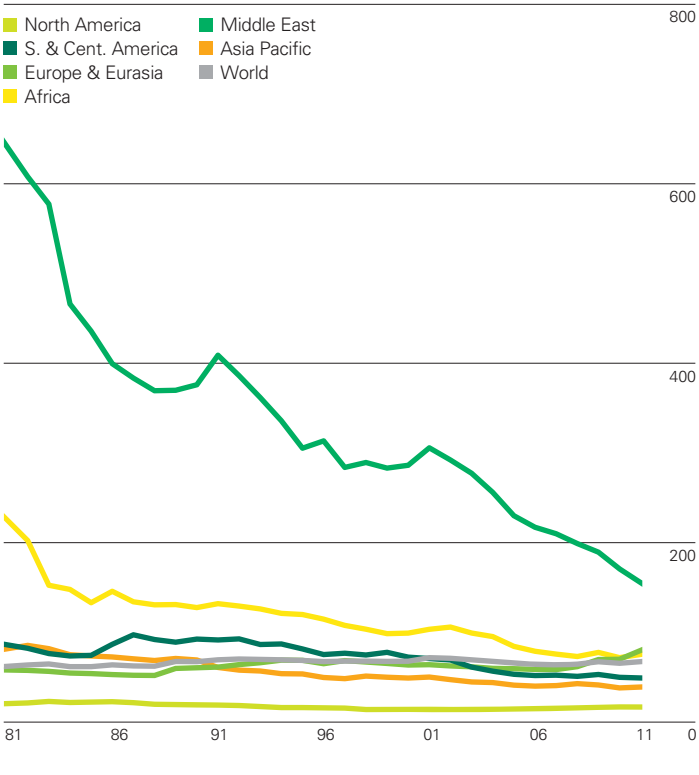
Reserves-to-production (R/P) ratios

Years

2011 by region



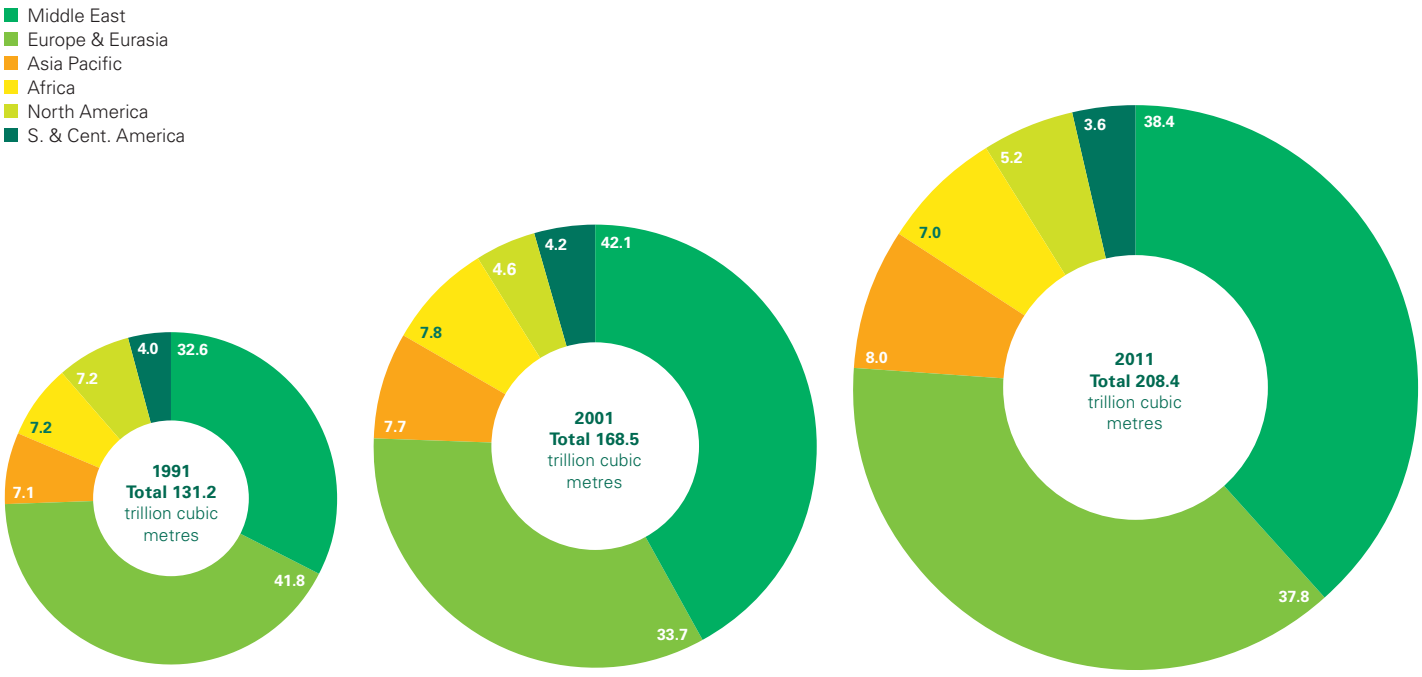
History



World proved natural gas reserves at end-2011 were sufficient to meet 63.6 years of production. A large increase in Turkmen reserves pushed the R/P ratio for Europe & Eurasia to 75.9 years. The Middle East still holds the largest reserves (38.4% of the world total, compared with 37.8% for Europe & Eurasia) and has an R/P ratio of over 150 years.

Distribution of proved reserves in 1991, 2001 and 2011

Percentage



Production*

Billion cubic metres	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	555.5	536.0	540.8	526.4	511.1	524.0	545.6	570.8	584.0	604.1	**651.3**	7.7%	20.0%
Canada	186.5	187.9	184.7	183.7	187.1	188.4	182.7	176.6	164.0	159.9	**160.5**	0.3%	4.9%
Mexico	38.3	39.6	41.4	45.0	47.2	51.5	54.0	53.9	54.6	55.1	**52.5**	-4.7%	1.6%
Total North America	780.3	763.5	766.9	755.1	745.5	763.9	782.2	801.3	802.6	819.1	**864.2**	5.5%	26.5%
Argentina	37.1	36.1	41.0	44.9	45.6	46.1	44.8	44.1	41.4	40.1	**38.8**	-3.3%	1.2%
Bolivia	4.7	4.9	6.4	9.8	11.9	12.9	13.8	14.3	12.3	14.2	**15.4**	8.1%	0.5%
Brazil	7.7	9.2	10.0	11.0	11.0	11.3	11.2	13.7	11.7	14.4	**16.7**	16.2%	0.5%
Colombia	6.1	6.2	6.1	6.4	6.7	7.0	7.5	9.1	10.5	11.3	**11.0**	-2.7%	0.3%
Peru	0.4	0.4	0.5	0.9	1.5	1.8	2.7	3.4	3.5	7.2	**11.4**	56.9%	0.3%
Trinidad & Tobago	15.5	18.0	26.3	27.3	31.0	36.4	39.0	39.3	40.6	42.5	**40.7**	-4.2%	1.2%
Venezuela	29.6	28.4	25.2	28.4	27.4	31.5	29.5	30.0	28.7	30.2	**31.2**	3.2%	0.9%
Other S. & Cent. America	3.5	3.4	3.1	3.1	3.4	4.1	3.9	3.7	3.2	2.9	**2.7**	-8.3%	0.1%
Total S. & Cent. America	104.5	106.7	118.7	131.7	138.6	151.1	152.5	157.6	151.9	162.8	**167.7**	3.0%	5.1%
Azerbaijan	5.0	4.7	4.6	4.5	5.2	6.1	9.8	14.8	14.8	15.1	**14.8**	-1.8%	0.5%
Denmark	8.4	8.4	8.0	9.4	10.4	10.4	9.2	10.1	8.4	8.2	**7.1**	-14.0%	0.2%
Germany	17.0	17.0	17.7	16.4	15.8	15.6	14.3	13.0	12.2	10.6	**10.0**	-5.9%	0.3%
Italy	14.0	13.4	12.7	11.9	11.1	10.1	8.9	8.5	7.3	7.6	**7.7**	0.7%	0.2%
Kazakhstan	9.2	9.1	11.9	13.1	13.5	13.9	16.7	18.7	17.8	17.6	**19.3**	9.6%	0.6%
Netherlands	62.4	60.3	58.1	68.5	62.5	61.6	60.5	66.6	62.7	70.5	**64.2**	-9.0%	2.0%
Norway	53.9	65.5	73.1	78.5	85.0	87.6	89.7	99.3	103.7	106.4	**101.4**	-4.6%	3.1%
Poland	3.9	4.0	4.0	4.4	4.3	4.3	4.3	4.1	4.1	4.1	**4.3**	4.3%	0.1%
Romania	13.6	13.2	13.0	12.8	12.4	11.9	11.5	11.4	11.3	10.9	**11.0**	1.4%	0.3%
Russian Federation	526.2	538.8	561.5	573.3	580.1	595.2	592.0	601.7	527.7	588.9	**607.0**	3.1%	18.5%
Turkmenistan	46.4	48.4	53.5	52.8	57.0	60.4	65.4	66.1	36.4	42.4	**59.5**	40.6%	1.8%
Ukraine	16.6	17.0	17.6	18.4	18.6	18.7	18.7	19.0	19.2	18.1	**18.2**	0.4%	0.6%
United Kingdom	105.8	103.6	102.9	96.4	88.2	80.0	72.1	69.6	59.7	57.1	**45.2**	-20.8%	1.4%
Uzbekistan	52.0	51.9	52.0	54.2	54.0	54.5	59.1	62.2	60.0	59.6	**57.0**	-4.4%	1.7%
Other Europe & Eurasia	10.9	11.2	10.6	11.0	10.9	11.5	10.8	10.3	9.7	9.8	**9.6**	-2.0%	0.3%
Total Europe & Eurasia	945.3	966.4	1001.2	1025.4	1029.0	1041.7	1043.1	1075.4	954.9	1026.9	**1036.4**	0.9%	31.6%
Bahrain	9.1	9.5	9.6	9.8	10.7	11.3	11.8	12.7	12.8	13.1	**13.0**	-0.8%	0.4%
Iran	66.0	75.0	81.5	84.9	103.5	108.6	111.9	116.3	131.2	146.2	**151.8**	3.9%	4.6%
Iraq	2.8	2.4	1.6	1.0	1.5	1.5	1.5	1.9	1.2	1.3	**1.9**	42.0%	0.1%
Kuwait	10.5	9.5	11.0	11.9	12.2	12.5	12.1	12.8	11.2	11.7	**13.0**	10.4%	0.4%
Oman	14.0	15.0	16.5	18.5	19.8	23.7	24.0	24.1	24.8	27.1	**26.5**	-2.2%	0.8%
Qatar	27.0	29.5	31.4	39.2	45.8	50.7	63.2	77.0	89.3	116.7	**146.8**	25.8%	4.5%
Saudi Arabia	53.7	56.7	60.1	65.7	71.2	73.5	74.4	80.4	78.5	87.7	**99.2**	13.2%	3.0%
Syria	5.0	6.1	6.2	6.4	5.5	5.6	5.6	5.3	5.6	7.7	**8.3**	8.7%	0.3%
United Arab Emirates	44.9	43.4	44.8	46.3	47.8	49.0	50.3	50.2	48.8	51.3	**51.7**	0.9%	1.6%
Yemen	–	–	–	–	–	–	–	–	0.8	6.2	**9.4**	51.3%	0.3%
Other Middle East	0.3	0.3	0.3	1.5	1.9	2.6	3.0	3.7	3.1	3.4	**4.5**	31.0%	0.1%
Total Middle East	233.3	247.2	262.9	285.1	319.9	339.1	357.8	384.3	407.0	472.3	**526.1**	11.4%	16.0%
Algeria	78.2	80.4	82.8	82.0	88.2	84.5	84.8	85.8	79.6	80.4	**78.0**	-3.0%	2.4%
Egypt	25.2	27.3	30.1	33.0	42.5	54.7	55.7	59.0	62.7	61.3	**61.3**	-0.1%	1.9%
Libya	6.2	5.9	5.5	8.1	11.3	13.2	15.3	15.9	15.9	16.8	**4.1**	-75.6%	0.1%
Nigeria	14.9	14.2	19.2	22.8	22.4	28.4	35.0	35.0	24.8	36.6	**39.9**	9.0%	1.2%
Other Africa	6.9	6.6	7.2	8.9	9.9	10.4	12.3	15.8	16.3	18.4	**19.4**	5.4%	0.6%
Total Africa	131.5	134.4	144.9	154.7	174.3	191.2	203.1	211.5	199.2	213.6	**202.7**	-5.1%	6.2%
Australia	32.5	32.6	33.2	35.3	37.1	38.9	40.0	38.3	42.3	45.6	**45.0**	-1.3%	1.4%
Bangladesh	10.7	11.4	12.3	12.8	13.8	14.9	15.9	17.0	18.5	19.9	**19.9**	-0.1%	0.6%
Brunei	11.4	11.5	12.4	12.2	12.0	12.6	12.3	12.2	11.4	12.3	**12.8**	4.2%	0.4%
China	30.3	32.7	35.0	41.5	49.3	58.6	69.2	80.3	85.3	94.8	**102.5**	8.1%	3.1%
India	26.4	27.6	29.5	29.2	29.6	29.3	30.1	30.5	39.2	50.8	**46.1**	-9.3%	1.4%
Indonesia	63.3	69.7	73.2	70.3	71.2	70.3	67.6	69.7	71.9	82.0	**75.6**	-7.8%	2.3%
Malaysia	46.9	48.3	51.8	53.9	61.1	63.3	64.6	64.7	64.1	62.6	**61.8**	-1.3%	1.9%
Myanmar	7.0	8.4	9.6	10.2	12.2	12.6	13.5	12.4	11.5	12.1	**12.4**	2.6%	0.4%
Pakistan	22.7	24.6	30.4	34.5	35.5	36.1	36.8	37.5	38.4	39.6	**39.2**	-1.2%	1.2%
Thailand	19.6	20.5	21.5	22.4	23.7	24.3	26.0	28.8	30.9	36.3	**37.0**	2.0%	1.1%
Vietnam	2.0	2.4	2.4	4.2	6.4	7.0	7.1	7.5	8.0	9.4	**8.5**	-9.2%	0.3%
Other Asia Pacific	9.5	10.9	10.7	10.1	11.1	14.6	17.4	18.3	18.6	18.1	**18.3**	1.0%	0.6%
Total Asia Pacific	282.4	300.6	322.0	336.4	363.1	382.4	400.5	417.1	440.3	483.6	**479.1**	-0.9%	14.6%
Total World	**2477.2**	**2518.9**	**2616.6**	**2688.5**	**2770.4**	**2869.4**	**2939.3**	**3047.2**	**2955.9**	**3178.2**	**3276.2**	**3.1%**	**100.0%**
of which: OECD	1097.2	1087.1	1093.5	1093.7	1078.6	1091.5	1100.9	1130.9	1121.9	1148.2	**1168.1**	1.7%	35.8%
Non-OECD	1380.1	1431.8	1523.0	1594.8	1691.8	1777.9	1838.4	1916.4	1834.0	2030.0	**2108.1**	3.8%	64.2%
European Union	232.8	227.6	223.6	227.3	212.0	201.3	187.5	189.4	171.5	174.9	**155.0**	-11.4%	4.7%
Former Soviet Union	655.7	670.2	701.4	716.6	728.7	749.0	762.0	782.7	676.0	741.9	**776.1**	4.6%	23.6%

*Excluding gas flared or recycled.

Source: Includes data from Cedigaz.

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

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

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

Consumption

Billion cubic metres	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	629.7	652.1	630.8	634.4	623.4	614.4	654.2	659.1	648.7	673.2	**690.1**	2.4%	21.5%
Canada	88.2	90.2	97.7	95.1	97.8	96.9	96.2	96.1	94.9	95.0	**104.8**	10.3%	3.2%
Mexico	41.8	45.5	50.4	55.8	56.1	60.9	63.2	66.1	66.2	67.9	**68.9**	1.5%	2.1%
Total North America	759.8	787.8	778.9	785.2	777.3	772.2	813.7	821.3	809.9	836.2	**863.8**	3.2%	26.9%
Argentina	31.1	30.3	34.6	37.9	40.4	41.8	43.9	44.4	43.2	43.3	**46.5**	7.5%	1.4%
Brazil	11.9	14.1	15.8	18.8	19.7	20.8	21.1	24.6	19.8	26.8	**26.7**	-0.3%	0.8%
Chile	7.3	7.4	8.0	8.7	8.4	7.8	4.6	2.7	3.1	4.7	**5.3**	11.7%	0.2%
Colombia	6.1	6.1	6.0	6.3	6.7	7.0	7.4	7.6	8.7	9.1	**9.0**	-0.8%	0.3%
Ecuador	0.3	0.2	0.3	0.3	0.4	0.7	0.5	0.5	0.5	0.5	**0.5**	–	◆
Peru	0.4	0.4	0.5	0.9	1.5	1.8	2.7	3.4	3.5	5.4	**6.2**	15.2%	0.2%
Trinidad & Tobago	11.6	12.7	14.4	13.4	15.1	20.2	20.3	21.9	20.9	22.6	**22.0**	-2.7%	0.7%
Venezuela	29.6	28.4	25.2	28.4	27.4	31.5	29.6	31.5	30.5	32.4	**33.1**	2.3%	1.0%
Other S. & Cent. America	2.3	2.4	3.1	2.9	3.3	3.9	4.5	4.7	5.1	5.4	**5.2**	-4.6%	0.2%
Total S. & Cent. America	100.7	102.1	107.9	117.5	122.9	135.5	134.6	141.3	135.1	150.2	**154.5**	2.9%	4.8%
Austria	8.6	8.5	9.4	9.5	10.0	9.4	8.9	9.5	9.3	10.1	**9.5**	-6.0%	0.3%
Azerbaijan	7.5	7.5	7.7	8.3	8.6	9.1	8.0	9.2	7.8	7.4	**8.2**	9.6%	0.3%
Belarus	15.7	16.1	15.8	17.9	18.4	19.0	18.8	19.2	16.1	19.7	**18.3**	-7.2%	0.6%
Belgium	14.6	14.9	16.0	16.2	16.4	16.7	16.6	16.5	16.8	18.8	**16.1**	-14.8%	0.5%
Bulgaria	3.0	2.7	2.8	2.8	3.1	3.2	3.2	3.2	2.3	2.6	**2.9**	14.5%	0.1%
Czech Republic	8.9	8.7	8.7	9.1	9.6	9.3	8.7	8.7	8.2	9.3	**8.4**	-9.3%	0.3%
Denmark	5.1	5.1	5.2	5.2	5.0	5.1	4.6	4.6	4.4	5.0	**4.2**	-16.2%	0.1%
Finland	4.1	4.0	4.5	4.3	4.0	4.2	3.9	4.0	3.6	3.9	**3.6**	-10.0%	0.1%
France	41.9	40.5	43.0	45.1	44.0	42.1	42.4	43.8	42.2	46.9	**40.3**	-13.9%	1.2%
Germany	82.9	82.6	85.5	85.9	86.2	87.2	82.9	81.2	78.0	83.3	**72.5**	-12.9%	2.2%
Greece	2.0	2.1	2.4	2.7	2.7	3.1	3.8	4.0	3.4	3.7	**4.5**	24.3%	0.1%
Hungary	11.9	11.8	13.2	13.0	13.4	12.7	11.9	11.8	10.1	10.9	**10.2**	-6.8%	0.3%
Republic of Ireland	4.0	4.1	4.1	4.1	3.9	4.5	4.8	5.0	4.8	5.2	**4.7**	-10.5%	0.1%
Italy	65.0	64.6	71.2	73.9	79.1	77.4	77.8	77.8	71.5	76.1	**71.3**	-6.2%	2.2%
Kazakhstan	8.2	8.7	9.6	7.5	9.3	9.9	8.4	8.1	7.8	8.2	**9.2**	13.0%	0.3%
Lithuania	2.8	2.9	3.1	3.1	3.3	3.2	3.6	3.2	2.7	3.1	**3.4**	9.0%	0.1%
Netherlands	40.0	39.8	40.0	40.9	39.3	38.1	37.0	38.6	38.9	43.6	**38.1**	-12.7%	1.2%
Norway	3.8	4.0	4.3	4.6	4.5	4.4	4.3	4.3	4.1	4.1	**4.0**	-2.1%	0.1%
Poland	11.5	11.2	12.5	13.2	13.6	13.7	13.8	14.9	14.4	15.5	**15.4**	-1.0%	0.5%
Portugal	2.6	3.1	3.0	3.8	4.2	4.1	4.3	4.6	4.7	5.0	**5.1**	1.8%	0.2%
Romania	16.6	17.2	18.3	17.5	17.6	18.1	16.1	15.9	13.3	13.6	**13.8**	2.0%	0.4%
Russian Federation	366.2	367.7	384.9	394.1	400.3	408.5	422.1	416.0	389.6	414.1	**424.6**	2.5%	13.2%
Slovakia	6.9	6.5	6.3	6.1	6.6	6.0	5.7	5.7	4.9	5.6	**6.2**	12.3%	0.2%
Spain	18.2	20.8	23.6	27.4	32.4	33.7	35.1	38.6	34.6	34.6	**32.1**	-7.2%	1.0%
Sweden	0.7	0.8	0.8	0.8	0.8	0.9	1.0	0.9	1.1	1.6	**1.3**	-19.1%	◆
Switzerland	2.8	2.8	2.9	3.0	3.1	3.0	2.9	3.1	3.0	3.3	**2.9**	-12.8%	0.1%
Turkey	16.0	17.4	20.9	22.1	26.9	30.5	36.1	37.5	35.7	39.0	**45.7**	17.3%	1.4%
Turkmenistan	12.5	12.9	14.2	15.0	16.1	18.4	21.3	20.5	19.9	22.6	**25.0**	10.4%	0.8%
Ukraine	68.8	67.7	69.0	68.5	69.0	67.0	63.2	60.0	47.0	52.1	**53.7**	3.0%	1.7%
United Kingdom	96.4	95.1	95.4	97.4	95.0	90.1	91.1	93.9	86.7	94.0	**80.2**	-14.6%	2.5%
Uzbekistan	49.6	50.9	45.8	43.4	42.7	41.9	45.9	48.7	43.5	45.5	**49.1**	7.9%	1.5%
Other Europe & Eurasia	15.3	14.8	15.3	16.9	17.2	17.8	18.2	17.3	14.9	16.2	**16.6**	2.7%	0.5%
Total Europe & Eurasia	1014.2	1017.5	1059.6	1083.2	1105.9	1112.2	1126.2	1130.6	1045.4	1124.6	**1101.1**	-2.1%	34.1%
Iran	70.1	79.2	82.9	86.5	105.0	108.7	113.0	119.3	131.4	144.6	**153.3**	6.1%	4.7%
Israel	†	†	†	1.2	1.7	2.3	2.8	4.1	4.5	5.3	**5.0**	-6.0%	0.2%
Kuwait	10.5	9.5	11.0	11.9	12.2	12.5	12.1	12.8	12.1	14.5	**16.2**	11.5%	0.5%
Qatar	11.0	11.1	12.2	15.0	18.7	19.6	19.3	19.3	20.0	20.4	**23.8**	16.4%	0.7%
Saudi Arabia	53.7	56.7	60.1	65.7	71.2	73.5	74.4	80.4	78.5	87.7	**99.2**	13.2%	3.1%
United Arab Emirates	37.9	36.4	37.9	40.2	42.1	43.4	49.2	59.5	59.1	60.8	**62.9**	3.5%	1.9%
Other Middle East	23.7	24.6	25.0	26.5	28.4	31.5	32.3	36.5	38.6	44.0	**42.7**	-3.0%	1.3%
Total Middle East	206.8	217.6	229.0	247.1	279.2	291.5	303.1	331.9	344.1	377.3	**403.1**	6.9%	12.5%
Algeria	20.5	20.2	21.4	22.0	23.2	23.7	24.3	25.4	27.2	26.3	**28.0**	6.5%	0.9%
Egypt	24.5	26.5	29.7	31.7	31.6	36.5	38.4	40.8	42.5	45.1	**49.6**	10.0%	1.5%
South Africa	1.2	1.0	1.0	2.1	3.1	3.5	3.5	3.7	3.4	3.9	**4.3**	8.9%	0.1%
Other Africa	17.6	18.0	20.4	23.8	25.0	24.4	28.3	30.2	25.7	31.5	**27.9**	-11.6%	0.9%
Total Africa	63.8	65.8	72.6	79.7	83.0	88.1	94.4	100.1	98.9	106.9	**109.8**	2.7%	3.4%
Australia	22.0	22.4	22.4	22.8	22.2	24.4	26.6	25.5	25.2	25.7	**25.6**	-0.4%	0.8%
Bangladesh	10.7	11.4	12.3	12.8	13.8	14.9	15.9	17.0	18.5	19.9	**19.9**	-0.1%	0.6%
China	27.4	29.2	33.9	39.7	46.8	56.1	70.5	81.3	89.5	107.6	**130.7**	21.5%	4.0%
China Hong Kong SAR	3.0	2.9	1.8	2.7	2.7	2.9	2.7	3.2	3.1	3.8	**3.1**	-20.4%	0.1%
India	26.4	27.6	29.5	31.9	35.7	37.3	40.1	41.3	51.0	61.9	**61.1**	-1.2%	1.9%
Indonesia	31.0	32.9	35.0	32.2	33.2	33.2	31.3	33.3	37.4	40.3	**37.9**	-5.9%	1.2%
Japan	74.3	72.7	79.8	77.0	78.6	83.7	90.2	93.7	87.4	94.5	**105.5**	11.6%	3.3%
Malaysia	25.2	26.2	27.3	24.7	31.4	33.7	33.4	33.8	33.7	31.9	**28.5**	-10.5%	0.9%
New Zealand	5.9	5.6	4.3	3.9	3.6	3.7	4.1	3.8	4.0	4.3	**3.9**	-10.0%	0.1%
Pakistan	22.7	24.6	30.4	34.5	35.5	36.1	36.8	37.5	38.4	39.6	**39.2**	-1.2%	1.2%
Philippines	0.1	1.8	2.7	2.5	3.3	2.6	3.2	3.3	3.3	3.1	**3.6**	16.0%	0.1%
Singapore	0.9	3.6	4.0	5.0	6.8	7.1	8.6	8.2	8.1	8.4	**8.8**	4.4%	0.3%
South Korea	20.8	23.1	24.2	28.4	30.4	32.0	34.7	35.7	33.9	43.0	**46.6**	8.3%	1.4%
Taiwan	7.3	8.2	8.4	10.2	10.3	11.1	11.8	11.6	11.3	14.1	**15.5**	10.1%	0.5%
Thailand	24.8	26.9	28.6	29.9	32.5	33.3	35.4	37.4	39.2	45.1	**46.6**	3.3%	1.4%
Vietnam	2.0	2.4	2.4	4.2	6.4	7.0	7.1	7.5	8.0	9.4	**8.5**	-9.2%	0.3%
Other Asia Pacific	3.8	3.6	4.2	4.5	5.2	5.5	6.0	5.7	5.2	5.3	**5.7**	7.3%	0.2%
Total Asia Pacific	308.4	325.0	351.3	366.6	398.4	424.7	458.3	479.8	497.2	**557.9**	**590.6**	5.9%	18.3%
Total World	**2453.6**	**2515.7**	**2599.3**	**2679.4**	**2766.7**	**2824.3**	**2930.4**	**3005.1**	**2930.6**	**3153.1**	**3222.9**	**2.2%**	**100.0%**
of which: OECD	1340.7	1370.4	1393.7	1418.5	1425.6	1425.7	1477.3	1499.2	1451.4	1536.2	**1534.6**	-0.1%	47.7%
Non-OECD	1112.9	1145.4	1205.6	1260.9	1341.1	1398.6	1453.1	1505.9	1479.2	1616.9	**1688.4**	4.4%	52.3%
European Union	451.9	451.6	473.7	486.7	494.8	487.8	482.0	491.3	460.1	496.9	**447.9**	-9.9%	13.9%
Former Soviet Union	539.6	541.7	557.9	566.4	576.9	586.5	600.9	593.9	542.1	580.7	**599.5**	3.3%	18.6%

†Less than 0.05.
◆Less than 0.05%.

Source: Includes data from Cedigaz.

Notes: As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar); as they are derived directly from tonnes of oil equivalent using an average conversion factor, they do not necessarily equate with gas volumes expressed in specific national terms.
The difference between these world consumption figures and the world production statistics is due to variations in stocks at storage facilities and liquefaction plants, together with unavoidable disparities in the definition, measurement or conversion of gas supply and demand data.
Annual changes and shares of total are calculated using million tonnes of oil equivalent figures.
Natural gas consumption data expressed in billion cubic feet per day is available at *bp.com/statisticalreview*.

Production*

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	508.2	489.9	494.7	480.7	467.6	479.3	499.6	521.7	532.7	549.9	**592.3**	7.7%	20.0%
Canada	167.8	169.1	166.2	165.3	168.4	169.6	164.4	158.9	147.6	143.9	**144.4**	0.3%	4.9%
Mexico	34.5	35.7	37.3	40.5	42.5	46.3	48.6	48.5	49.1	49.6	**47.2**	-4.7%	1.6%
Total North America	710.5	694.6	698.2	686.5	678.5	695.3	712.6	729.2	729.4	743.4	**784.0**	5.5%	26.5%
Argentina	33.4	32.5	36.9	40.4	41.1	41.5	40.3	39.7	37.2	36.1	**34.9**	-3.3%	1.2%
Bolivia	4.2	4.4	5.7	8.8	10.7	11.6	12.4	12.9	11.1	12.8	**13.8**	8.1%	0.5%
Brazil	6.9	8.3	9.0	9.9	9.9	10.2	10.1	12.4	10.5	12.9	**15.0**	16.2%	0.5%
Colombia	5.5	5.5	5.5	5.7	6.0	6.3	6.8	8.2	9.5	10.1	**9.9**	-2.7%	0.3%
Peru	0.3	0.4	0.5	0.8	1.4	1.6	2.4	3.1	3.1	6.5	**10.2**	56.9%	0.3%
Trinidad & Tobago	13.9	16.2	23.7	24.6	27.9	32.8	35.1	35.4	36.5	38.2	**36.6**	-4.2%	1.2%
Venezuela	26.6	25.6	22.7	25.6	24.7	28.3	26.6	27.0	25.8	27.2	**28.1**	3.2%	0.9%
Other S. & Cent. America	3.2	3.0	2.8	2.8	3.1	3.7	3.5	3.4	2.9	2.6	**2.4**	-8.3%	0.1%
Total S. & Cent. America	94.1	96.0	106.8	118.6	124.8	136.0	137.2	141.8	136.7	146.5	**150.9**	3.0%	5.1%
Azerbaijan	4.5	4.2	4.2	4.1	4.7	5.5	8.8	13.3	13.3	13.6	**13.3**	-1.8%	0.5%
Denmark	7.5	7.5	7.2	8.5	9.4	9.4	8.3	9.1	7.6	7.4	**6.4**	-14.0%	0.2%
Germany	15.3	15.3	15.9	14.7	14.2	14.1	12.9	11.7	11.0	9.6	**9.0**	-5.9%	0.3%
Italy	12.6	12.1	11.5	10.7	10.0	9.1	8.0	7.6	6.6	6.8	**6.9**	0.7%	0.2%
Kazakhstan	8.2	8.2	10.7	11.8	12.2	12.5	15.0	16.8	16.0	15.8	**17.3**	9.6%	0.6%
Netherlands	56.2	54.3	52.2	61.6	56.3	55.4	54.5	60.0	56.4	63.5	**57.8**	-9.0%	2.0%
Norway	48.5	59.0	65.8	70.6	76.5	78.9	80.7	89.4	93.4	95.7	**91.3**	-4.6%	3.1%
Poland	3.5	3.6	3.6	3.9	3.9	3.9	3.9	3.7	3.7	3.7	**3.9**	4.3%	0.1%
Romania	12.2	11.9	11.7	11.5	11.2	10.7	10.4	10.3	10.1	9.8	**9.9**	1.4%	0.3%
Russian Federation	473.6	484.9	505.4	516.0	522.1	535.6	532.8	541.5	474.9	530.0	**546.3**	3.1%	18.5%
Turkmenistan	41.8	43.6	48.1	47.5	51.3	54.3	58.9	59.5	32.7	38.1	**53.6**	40.6%	1.8%
Ukraine	14.9	15.3	15.8	16.5	16.7	16.9	16.9	17.1	17.3	16.3	**16.4**	0.4%	0.6%
United Kingdom	95.2	93.2	92.6	86.7	79.4	72.0	64.9	62.7	53.7	51.4	**40.7**	-20.8%	1.4%
Uzbekistan	46.8	46.7	46.8	48.8	48.6	49.0	53.2	56.0	54.0	53.7	**51.3**	-4.4%	1.7%
Other Europe & Eurasia	9.8	10.1	9.6	9.9	9.8	10.3	9.7	9.2	8.8	8.9	**8.7**	-2.0%	0.3%
Total Europe & Eurasia	850.8	869.8	901.1	922.8	926.1	937.6	938.8	967.9	859.4	924.2	**932.7**	0.9%	31.6%
Bahrain	8.2	8.5	8.7	8.8	9.6	10.2	10.6	11.4	11.5	11.8	**11.7**	-0.8%	0.4%
Iran	59.4	67.5	73.4	76.4	93.2	97.7	100.7	104.7	118.0	131.5	**136.6**	3.9%	4.6%
Iraq	2.5	2.1	1.4	0.9	1.3	1.3	1.3	1.7	1.0	1.2	**1.7**	42.0%	0.1%
Kuwait	9.5	8.5	9.9	10.7	11.0	11.3	10.9	11.5	10.1	10.6	**11.7**	10.4%	0.4%
Oman	12.6	13.5	14.9	16.7	17.8	21.3	21.6	21.7	22.3	24.4	**23.9**	-2.2%	0.8%
Qatar	24.3	26.6	28.3	35.3	41.2	45.6	56.9	69.3	80.4	105.0	**132.2**	25.8%	4.5%
Saudi Arabia	48.3	51.0	54.1	59.1	64.1	66.2	67.0	72.4	70.6	78.9	**89.3**	13.2%	3.0%
Syria	4.5	5.5	5.6	5.8	4.9	5.1	5.0	4.8	5.0	6.9	**7.5**	8.7%	0.3%
United Arab Emirates	40.4	39.1	40.3	41.7	43.0	44.1	45.3	45.2	43.9	46.2	**46.6**	0.9%	1.6%
Yemen	–	–	–	–	–	–	–	–	0.7	5.6	**8.5**	51.3%	0.3%
Other Middle East	0.2	0.2	0.2	1.4	1.7	2.4	2.7	3.3	2.8	3.1	**4.0**	31.0%	0.1%
Total Middle East	210.0	222.5	236.6	256.6	287.9	305.2	322.1	345.9	366.3	425.1	**473.5**	11.4%	16.0%
Algeria	70.4	72.3	74.5	73.8	79.4	76.0	76.3	77.2	71.6	72.4	**70.2**	-3.0%	2.4%
Egypt	22.7	24.6	27.1	29.7	38.3	49.2	50.1	53.1	56.4	55.2	**55.1**	-0.1%	1.9%
Libya	5.6	5.3	5.0	7.3	10.2	11.9	13.8	14.3	14.3	15.1	**3.7**	-75.6%	0.1%
Nigeria	13.4	12.8	17.3	20.5	20.2	25.6	31.5	31.5	22.3	32.9	**35.9**	9.0%	1.2%
Other Africa	6.2	6.0	6.5	8.0	8.9	9.4	11.1	14.2	14.7	16.6	**17.5**	5.4%	0.6%
Total Africa	118.3	121.0	130.4	139.3	156.9	172.1	182.8	190.4	179.3	192.2	**182.4**	-5.1%	6.2%
Australia	29.2	29.3	29.9	31.7	33.4	35.0	36.0	34.4	38.1	41.0	**40.5**	-1.3%	1.4%
Bangladesh	9.7	10.3	11.1	11.5	12.4	13.4	14.3	15.3	16.6	17.9	**17.9**	-0.1%	0.6%
Brunei	10.3	10.3	11.1	11.0	10.8	11.3	11.0	10.9	10.3	11.1	**11.5**	4.2%	0.4%
China	27.3	29.4	31.5	37.3	44.4	52.7	62.3	72.3	76.7	85.4	**92.3**	8.1%	3.1%
India	23.8	24.8	26.6	26.3	26.7	26.4	27.1	27.5	35.3	45.8	**41.5**	-9.3%	1.4%
Indonesia	57.0	62.7	65.9	63.3	64.1	63.2	60.9	62.7	64.7	73.8	**68.0**	-7.8%	2.3%
Malaysia	42.2	43.5	46.6	48.5	55.0	57.0	58.1	58.2	57.7	56.3	**55.6**	-1.3%	1.9%
Myanmar	6.3	7.6	8.6	9.2	11.0	11.3	12.2	11.2	10.4	10.9	**11.2**	2.6%	0.4%
Pakistan	20.4	22.1	27.4	31.0	32.0	32.5	33.1	33.8	34.6	35.7	**35.2**	-1.2%	1.2%
Thailand	17.7	18.5	19.3	20.1	21.3	21.9	23.4	25.9	27.8	32.7	**33.3**	2.0%	1.1%
Vietnam	1.8	2.2	2.1	3.7	5.8	6.3	6.4	6.7	7.2	8.5	**7.7**	-9.2%	0.3%
Other Asia Pacific	8.5	9.8	9.6	9.1	10.0	13.2	15.7	16.5	16.7	16.3	**16.4**	1.0%	0.6%
Total Asia Pacific	254.2	270.5	289.8	302.8	326.8	344.2	360.4	375.4	396.2	435.2	**431.2**	-0.9%	14.6%
Total World	**2237.8**	**2274.5**	**2362.9**	**2426.5**	**2501.0**	**2590.2**	**2654.0**	**2750.5**	**2667.4**	**2866.7**	**2954.8**	**3.1%**	**100.0%**
of which: OECD	995.7	985.8	992.2	991.2	978.3	990.1	999.4	1025.7	1016.8	1039.7	**1057.5**	1.7%	35.8%
Non-OECD	1242.0	1288.6	1370.7	1435.3	1522.6	1600.1	1654.5	1724.8	1650.6	1827.0	**1897.3**	3.8%	64.2%
European Union	209.6	204.9	201.2	204.6	190.8	181.2	168.7	170.5	154.4	157.4	**139.5**	-11.4%	4.7%
Former Soviet Union	590.1	603.2	631.3	644.9	655.8	674.1	685.8	704.4	608.4	667.7	**698.5**	4.6%	23.6%

*Excluding gas flared or recycled.

Source: Includes data from Cedigaz.

Consumption

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	573.9	593.7	575.3	577.3	568.5	560.0	597.3	600.6	590.1	611.2	**626.0**	2.4%	21.5%
Canada	79.4	81.2	87.9	85.6	88.0	87.3	86.6	86.5	85.4	85.5	**94.3**	10.3%	3.2%
Mexico	37.6	41.0	45.4	50.2	50.5	54.8	56.9	59.5	59.6	61.1	**62.0**	1.5%	2.1%
Total North America	690.9	715.8	708.6	713.0	707.0	702.1	740.8	746.6	735.1	757.9	**782.4**	3.2%	26.9%
Argentina	28.0	27.2	31.1	34.1	36.4	37.6	39.5	40.0	38.8	39.0	**41.9**	7.5%	1.4%
Brazil	10.7	12.7	14.2	16.9	17.7	18.7	19.0	22.2	17.8	24.1	**24.0**	-0.3%	0.8%
Chile	6.6	6.6	7.2	7.8	7.5	7.0	4.1	2.4	2.8	4.2	**4.7**	11.7%	0.2%
Colombia	5.5	5.5	5.4	5.7	6.0	6.3	6.7	6.8	7.8	8.2	**8.1**	-0.8%	0.3%
Ecuador	0.3	0.2	0.2	0.3	0.3	0.7	0.5	0.4	0.4	0.4	**0.4**	–	◆
Peru	0.3	0.4	0.5	0.8	1.4	1.6	2.4	3.1	3.1	4.9	**5.6**	15.2%	0.2%
Trinidad & Tobago	10.5	11.4	13.0	12.0	13.6	18.2	18.2	19.7	18.8	20.3	**19.8**	-2.7%	0.7%
Venezuela	26.6	25.6	22.7	25.6	24.7	28.3	26.6	28.3	27.5	29.2	**29.8**	2.3%	1.0%
Other S. & Cent. America	2.1	2.2	2.8	2.6	2.9	3.5	4.0	4.3	4.5	4.9	**4.7**	-4.6%	0.2%
Total S. & Cent. America	90.6	91.9	97.1	105.8	110.6	121.9	121.2	127.2	121.6	135.2	**139.1**	2.9%	4.8%
Austria	7.7	7.7	8.5	8.5	9.0	8.5	8.0	8.6	8.4	9.1	**8.5**	-6.0%	0.3%
Azerbaijan	6.8	6.8	7.0	7.5	7.7	8.2	7.2	8.2	7.0	6.7	**7.3**	9.6%	0.3%
Belarus	14.1	14.5	14.3	16.1	16.5	17.1	17.0	17.3	14.5	17.7	**16.5**	-7.2%	0.6%
Belgium	13.2	13.4	14.4	14.6	14.7	15.0	14.9	14.8	15.1	17.0	**14.4**	-14.8%	0.5%
Bulgaria	2.7	2.4	2.5	2.5	2.8	2.9	2.9	2.9	2.1	2.3	**2.6**	14.5%	0.1%
Czech Republic	8.0	7.8	7.8	8.2	8.6	8.4	7.8	7.8	7.4	8.4	**7.6**	-9.3%	0.3%
Denmark	4.6	4.6	4.7	4.7	4.5	4.6	4.1	4.1	4.0	4.5	**3.8**	-16.2%	0.1%
Finland	3.7	3.6	4.0	3.9	3.6	3.8	3.5	3.6	3.2	3.6	**3.2**	-10.0%	0.1%
France	37.7	36.5	38.7	40.5	39.6	37.9	38.2	39.4	38.0	42.2	**36.3**	-13.9%	1.2%
Germany	74.6	74.3	77.0	77.3	77.6	78.5	74.6	73.1	70.2	75.0	**65.3**	-12.9%	2.2%
Greece	1.8	1.9	2.2	2.4	2.4	2.8	3.4	3.6	3.0	3.3	**4.1**	24.3%	0.1%
Hungary	10.7	10.6	11.9	11.7	12.1	11.5	10.7	10.6	9.1	9.8	**9.1**	-6.8%	0.3%
Republic of Ireland	3.6	3.7	3.7	3.7	3.5	4.0	4.3	4.5	4.3	4.7	**4.2**	-10.5%	0.1%
Italy	58.5	58.1	64.1	66.5	71.2	69.7	70.0	70.0	64.4	68.5	**64.2**	-6.2%	2.2%
Kazakhstan	7.3	7.8	8.6	6.7	8.4	8.9	7.5	7.3	7.0	7.4	**8.3**	13.0%	0.3%
Lithuania	2.5	2.6	2.8	2.8	2.9	2.9	3.3	2.9	2.5	2.8	**3.1**	9.0%	0.1%
Netherlands	36.0	35.8	36.0	36.8	35.4	34.3	33.3	34.7	35.0	39.2	**34.3**	-12.7%	1.2%
Norway	3.4	3.6	3.9	4.1	4.0	4.0	3.8	3.9	3.7	3.7	**3.6**	-2.1%	0.1%
Poland	10.4	10.1	11.3	11.9	12.2	12.4	12.4	13.5	13.0	14.0	**13.8**	-1.0%	0.5%
Portugal	2.3	2.8	2.7	3.4	3.8	3.7	3.9	4.2	4.2	4.5	**4.6**	1.8%	0.2%
Romania	14.9	15.5	16.5	15.7	15.8	16.3	14.5	14.3	11.9	12.2	**12.5**	2.0%	0.4%
Russian Federation	329.6	330.9	346.4	354.7	360.2	367.7	379.9	374.4	350.7	372.7	**382.1**	2.5%	13.2%
Slovakia	6.2	5.8	5.7	5.5	5.9	5.4	5.1	5.2	4.4	5.0	**5.6**	12.3%	0.2%
Spain	16.4	18.8	21.3	24.7	29.1	30.3	31.6	34.8	31.1	31.2	**28.9**	-7.2%	1.0%
Sweden	0.6	0.7	0.7	0.7	0.7	0.8	0.9	0.8	1.0	1.4	**1.1**	-19.1%	◆
Switzerland	2.5	2.5	2.6	2.7	2.8	2.7	2.6	2.8	2.7	3.0	**2.6**	-12.8%	0.1%
Turkey	14.4	15.6	18.8	19.9	24.2	27.4	32.5	33.8	32.1	35.1	**41.2**	17.3%	1.4%
Turkmenistan	11.2	11.6	12.8	13.5	14.5	16.5	19.1	18.5	17.9	20.4	**22.5**	10.4%	0.8%
Ukraine	61.9	60.9	62.1	61.7	62.1	60.3	56.9	54.0	42.3	46.9	**48.3**	3.0%	1.7%
United Kingdom	86.7	85.6	85.8	87.7	85.5	81.1	81.9	84.5	78.0	84.6	**72.2**	-14.6%	2.5%
Uzbekistan	44.6	45.8	41.2	39.1	38.4	37.7	41.3	43.8	39.2	41.0	**44.2**	7.9%	1.5%
Other Europe & Eurasia	13.8	13.3	13.8	15.3	15.4	16.0	16.4	15.6	13.4	14.5	**14.9**	2.7%	0.5%
Total Europe & Eurasia	912.8	915.7	953.7	974.9	995.3	1001.0	1013.6	1017.6	940.9	1012.2	**991.0**	-2.1%	34.1%
Iran	63.1	71.3	74.6	77.9	94.5	97.8	101.7	107.4	118.2	130.1	**138.0**	6.1%	4.7%
Israel	†	†	†	1.1	1.5	2.1	2.5	3.7	4.1	4.8	**4.5**	-6.0%	0.2%
Kuwait	9.5	8.5	9.9	10.7	11.0	11.3	10.9	11.5	10.9	13.1	**14.6**	11.5%	0.5%
Qatar	9.9	10.0	11.0	13.5	16.8	17.6	17.4	17.4	18.0	18.4	**21.4**	16.4%	0.7%
Saudi Arabia	48.3	51.0	54.1	59.1	64.1	66.2	67.0	72.4	70.6	78.9	**89.3**	13.2%	3.1%
United Arab Emirates	34.1	32.8	34.1	36.2	37.8	39.0	44.3	53.5	53.2	54.7	**56.6**	3.5%	1.9%
Other Middle East	21.3	22.2	22.5	23.9	25.5	28.3	29.1	32.8	34.7	39.6	**38.4**	-3.0%	1.3%
Total Middle East	186.1	195.8	206.1	222.4	251.3	262.3	272.8	298.7	309.7	339.5	**362.8**	6.9%	12.5%
Algeria	18.5	18.2	19.3	19.8	20.9	21.4	21.9	22.8	24.5	23.7	**25.2**	6.5%	0.9%
Egypt	22.1	23.9	26.7	28.5	28.4	32.9	34.5	36.8	38.3	40.6	**44.7**	10.0%	1.5%
South Africa	1.1	0.9	0.9	1.9	2.8	3.1	3.1	3.4	3.0	3.5	**3.8**	8.9%	0.1%
Other Africa	15.9	16.2	18.4	21.4	22.5	22.0	25.4	27.2	23.2	28.4	**25.1**	-11.6%	0.9%
Total Africa	57.4	59.2	65.3	71.7	74.7	79.3	85.0	90.1	89.0	96.2	**98.8**	2.7%	3.4%
Australia	19.8	20.2	20.2	20.5	19.9	22.0	23.9	23.0	22.7	23.1	**23.0**	-0.4%	0.8%
Bangladesh	9.7	10.3	11.1	11.5	12.4	13.4	14.3	15.3	16.6	17.9	**17.9**	-0.1%	0.6%
China	24.7	26.3	30.5	35.7	42.1	50.5	63.5	73.2	80.6	96.8	**117.6**	21.5%	4.0%
China Hong Kong SAR	2.7	2.6	1.7	2.4	2.4	2.6	2.5	2.9	2.8	3.4	**2.7**	-20.4%	0.1%
India	23.8	24.8	26.6	28.7	32.1	33.5	36.1	37.2	45.9	55.7	**55.0**	-1.2%	1.9%
Indonesia	27.9	29.6	31.5	29.0	29.9	29.9	28.2	30.0	33.6	36.3	**34.1**	-5.9%	1.2%
Japan	66.8	65.4	71.8	69.3	70.7	75.4	81.2	84.4	78.7	85.1	**95.0**	11.6%	3.3%
Malaysia	22.7	23.6	24.6	22.2	28.3	30.4	30.1	30.4	30.3	28.7	**25.7**	-10.5%	0.9%
New Zealand	5.3	5.1	3.9	3.5	3.2	3.3	3.6	3.4	3.6	3.9	**3.5**	-10.0%	0.1%
Pakistan	20.4	22.1	27.4	31.0	32.0	32.5	33.1	33.8	34.6	35.7	**35.2**	-1.2%	1.2%
Philippines	0.1	1.6	2.4	2.2	3.0	2.4	2.8	3.0	3.0	2.8	**3.2**	16.0%	0.1%
Singapore	0.8	3.2	3.6	4.5	6.2	6.3	7.8	7.4	7.3	7.6	**7.9**	4.4%	0.3%
South Korea	18.7	20.8	21.8	25.5	27.3	28.8	31.2	32.1	30.5	38.7	**41.9**	8.3%	1.4%
Taiwan	6.6	7.4	7.6	9.2	9.3	10.0	10.6	10.5	10.2	12.7	**14.0**	10.1%	0.5%
Thailand	22.3	24.2	25.7	26.9	29.3	30.0	31.8	33.6	35.3	40.6	**41.9**	3.3%	1.4%
Vietnam	1.8	2.2	2.1	3.7	5.8	6.3	6.4	6.7	7.2	8.5	**7.7**	-9.2%	0.3%
Other Asia Pacific	3.4	3.3	3.8	4.1	4.7	4.9	5.4	5.1	4.6	4.8	**5.2**	7.3%	0.2%
Total Asia Pacific	277.6	292.5	316.2	330.0	358.6	382.3	412.4	431.8	447.4	**502.1**	**531.5**	5.9%	18.3%
Total World	**2215.4**	**2271.0**	**2347.0**	**2417.8**	**2497.5**	**2548.9**	**2645.8**	**2712.0**	**2643.7**	**2843.1**	**2905.6**	**2.2%**	**100.0%**
of which: OECD	1213.8	1240.2	1262.0	1283.0	1290.6	1290.2	1338.0	1356.7	1312.4	1387.9	**1386.1**	-0.1%	47.7%
Non-OECD	1001.6	1030.8	1085.0	1134.8	1207.0	1258.7	1307.8	1355.3	1331.3	1455.2	**1519.5**	4.4%	52.3%
European Union	406.7	406.4	426.3	438.0	445.3	439.0	433.8	442.1	414.1	447.2	**403.1**	-9.9%	13.9%
Former Soviet Union	485.6	487.5	502.1	509.8	519.2	527.9	540.9	534.5	487.9	522.6	**539.6**	3.3%	18.6%

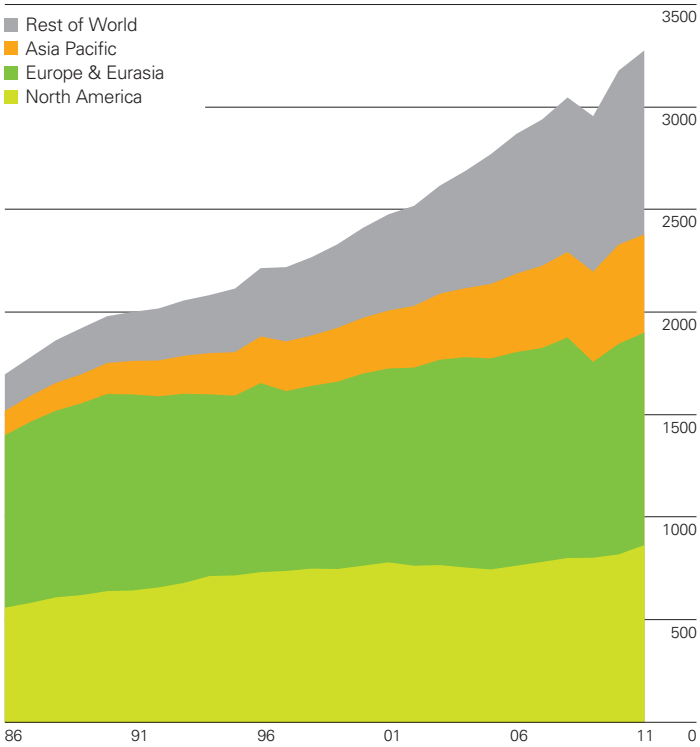
†Less than 0.05.
◆Less than 0.05%.

Source: Includes data from Cedigaz.

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

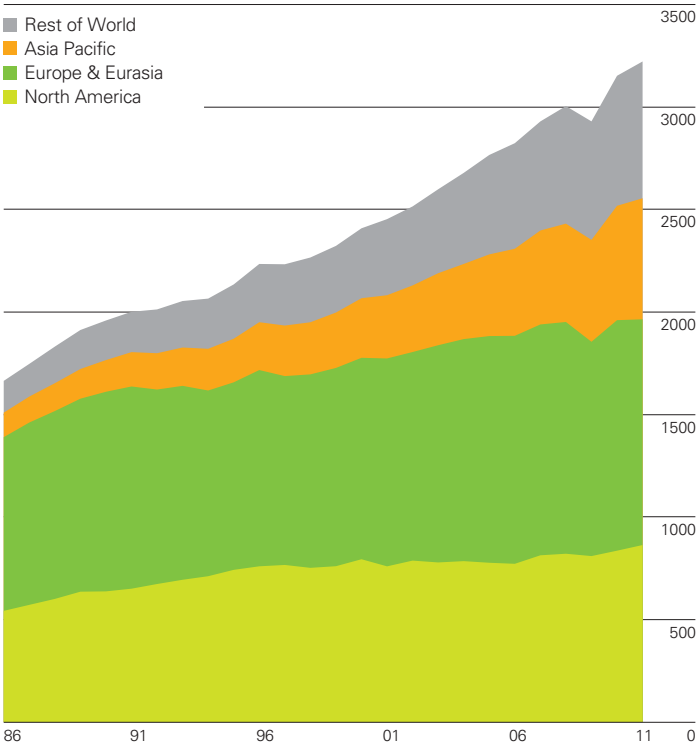
Production by region

Billion cubic metres



Consumption by region

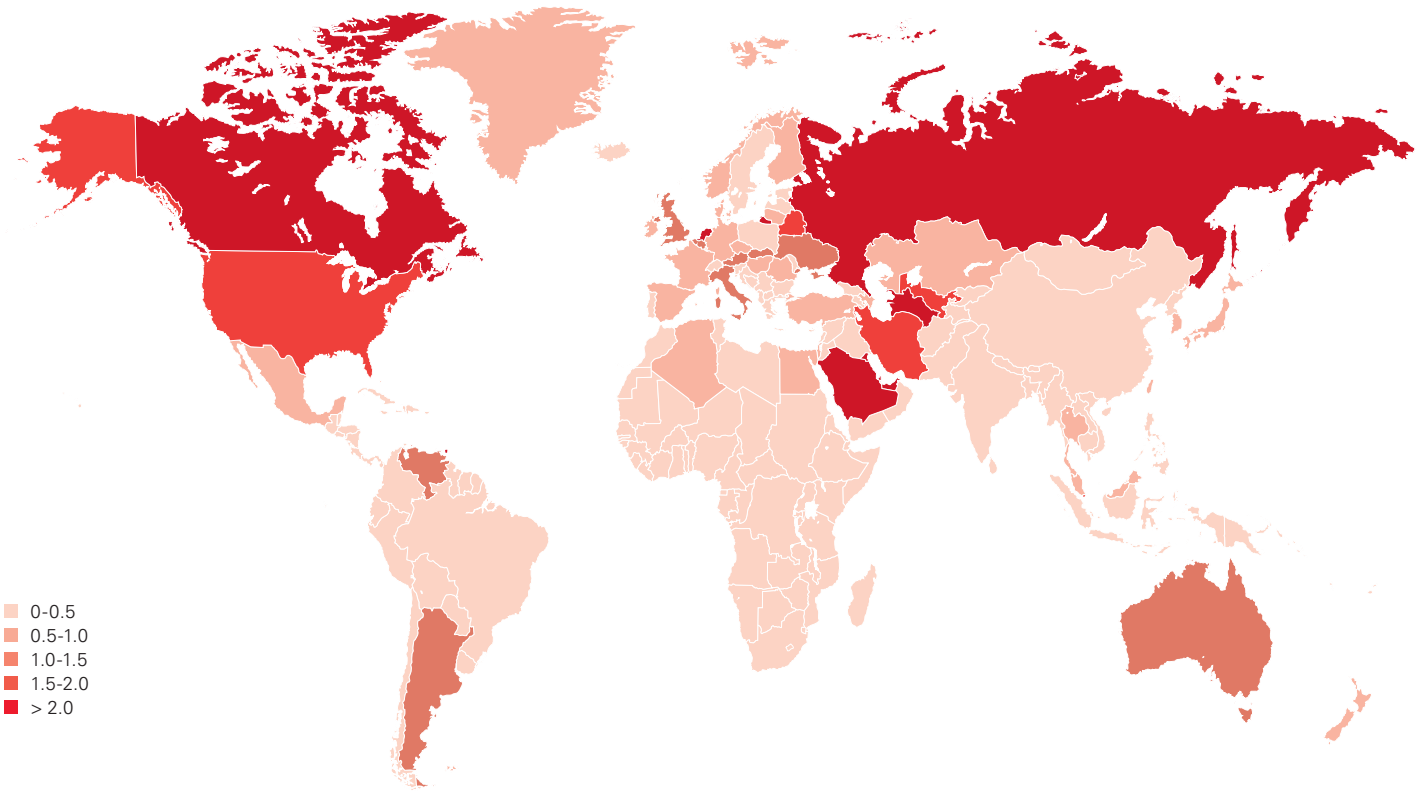
Billion cubic metres



World natural gas production increased by 3.1% in 2011. While the US saw the largest national increase, the Middle East recorded the largest regional increment to production. Production growth in Russia and Turkmenistan was partly offset by a large decline in European production. Natural gas consumption increased by 2.2%, with below-average growth in all regions but North America. The European Union experienced the sharpest decline in natural gas consumption (–9.9%) on record.

Consumption per capita 2011

Tonnes oil equivalent



Source: Includes data from Cedigaz.

Prices

$/Mmbtu

Prices

US dollars per million Btu	LNG Japan cif	Natural gas Average German Import Price*	Natural gas UK (Heren NBP Index)†	Natural gas US Henry Hub‡	Natural gas Canada (Alberta)‡	Crude oil OECD countries cif
1984	5.10	4.00	–	–	–	5.00
1985	5.23	4.25	–	–	–	4.75
1986	4.10	3.93	–	–	–	2.57
1987	3.35	2.55	–	–	–	3.09
1988	3.34	2.22	–	–	–	2.56
1989	3.28	2.00	–	1.70	–	3.01
1990	3.64	2.78	–	1.64	1.05	3.82
1991	3.99	3.19	–	1.49	0.89	3.33
1992	3.62	2.69	–	1.77	0.98	3.19
1993	3.52	2.50	–	2.12	1.69	2.82
1994	3.18	2.35	–	1.92	1.45	2.70
1995	3.46	2.39	–	1.69	0.89	2.96
1996	3.66	2.46	1.87	2.76	1.12	3.54
1997	3.91	2.64	1.96	2.53	1.36	3.29
1998	3.05	2.32	1.86	2.08	1.42	2.16
1999	3.14	1.88	1.58	2.27	2.00	2.98
2000	4.72	2.89	2.71	4.23	3.75	4.83
2001	4.64	3.66	3.17	4.07	3.61	4.08
2002	4.27	3.23	2.37	3.33	2.57	4.17
2003	4.77	4.06	3.33	5.63	4.83	4.89
2004	5.18	4.32	4.46	5.85	5.03	6.27
2005	6.05	5.88	7.38	8.79	7.25	8.74
2006	7.14	7.85	7.87	6.76	5.83	10.66
2007	7.73	8.03	6.01	6.95	6.17	11.95
2008	12.55	11.56	10.79	8.85	7.99	16.76
2009	9.06	8.52	4.85	3.89	3.38	10.41
2010	10.91	8.01	6.56	4.39	3.69	13.47
2011	14.73	10.61	9.03	4.01	3.47	18.56

*Source: 1984-1990 German Federal Statistical Office, 1991-2011 German Federal Office of Economics and Export Control (BAFA).
†Source: Heren Energy Ltd.
‡Source: Energy Intelligence Group, *Natural Gas Week*.
Note: cif = cost+insurance+freight (average prices).

Trade movements 2011 by pipeline

Billion cubic metres

To	From: US	Canada	Mexico	Bolivia	Other S. & Cent. America	Netherlands	Norway	United Kingdom	Other Europe	Kazakhstan	Russian Federation	Turkmenistan	Other Former Soviet Union	Iran	Qatar	Algeria	Libya	Other Africa	Indonesia	Myanmar	Other Asia Pacific	**Total imports**
US	–	88.0	0.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**88.1**
Canada	26.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**26.6**
Mexico	14.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**14.1**
North America	40.7	88.0	0.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**128.8**
Argentina	–	–	–	3.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**3.6**
Brazil	–	–	–	9.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**9.7**
Other S. & Cent. America	–	–	–	–	2.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**2.3**
S. & Cent. America	–	–	–	13.3	2.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**15.6**
Austria	–	–	–	–	–	–	2.5	–	2.2	–	4.9	–	–	–	–	–	–	–	–	–	–	**9.6**
Belgium	–	–	–	–	–	4.3	5.9	5.3	–	–	7.4	–	–	–	–	–	–	–	–	–	–	**22.7**
Czech Republic	–	–	–	–	–	–	3.9	–	1.3	–	6.9	–	–	–	–	–	–	–	–	–	–	**12.0**
Finland	–	–	–	–	–	–	–	–	–	–	3.8	–	–	–	–	–	–	–	–	–	–	**3.8**
France	–	–	–	–	–	7.9	14.7	1.0	0.2	–	8.6	–	–	–	–	–	–	–	–	–	–	**32.3**
Germany	–	–	–	–	–	23.7	28.4	–	1.2	–	30.8	–	–	–	–	–	–	–	–	–	–	**84.0**
Greece	–	–	–	–	–	–	–	–	0.7	–	2.6	–	–	–	–	–	–	–	–	–	–	**3.3**
Hungary	–	–	–	–	–	–	–	–	1.0	–	5.7	–	–	–	–	–	–	–	–	–	–	**6.7**
Ireland	–	–	–	–	–	–	–	5.4	–	–	–	–	–	–	–	–	–	–	–	–	–	**5.4**
Italy	–	–	–	–	–	7.7	5.9	3.0	5.2	–	15.4	–	–	–	–	21.3	2.3	–	–	–	–	**60.8**
Netherlands	–	–	–	–	–	–	7.4	1.6	0.7	–	4.0	–	–	–	–	–	–	–	–	–	–	**13.6**
Poland	–	–	–	–	–	–	–	–	1.6	–	9.3	–	–	–	–	–	–	–	–	–	–	**10.8**
Slovakia	–	–	–	–	–	–	–	–	–	–	5.3	–	–	–	–	–	–	–	–	–	–	**5.3**
Spain	–	–	–	–	–	–	2.5	–	0.7	–	–	–	–	–	–	9.4	–	–	–	–	–	**12.5**
Turkey	–	–	–	–	–	–	–	–	–	–	23.5	–	3.8	8.4	–	–	–	–	–	–	–	**35.6**
United Kingdom	–	–	–	–	–	6.4	21.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	**28.1**
Other Europe	–	–	–	–	–	0.6	0.1	–	6.8	–	12.5	–	–	–	–	2.2	–	–	–	–	–	**22.0**
Europe	–	–	–	–	–	50.4	92.8	16.3	21.4	–	140.6	–	3.8	8.4	–	32.8	2.3	–	–	–	–	**368.7**
Belarus	–	–	–	–	–	–	–	–	–	–	18.1	–	–	–	–	–	–	–	–	–	–	**18.1**
Russian Federation	–	–	–	–	–	–	–	–	–	11.4	–	10.1	8.5	–	–	–	–	–	–	–	–	**30.1**
Ukraine	–	–	–	–	–	–	–	–	–	–	40.5	–	–	–	–	–	–	–	–	–	–	**40.5**
Other Former Soviet Union	–	–	–	–	–	–	–	–	–	0.1	7.8	–	3.7	0.7	–	–	–	–	–	–	–	**12.3**
Former Soviet Union	–	–	–	–	–	–	–	–	–	11.5	66.4	10.1	12.2	0.7	–	–	–	–	–	–	–	**101.0**
Iran	–	–	–	–	–	–	–	–	–	–	–	10.2	0.4	–	–	–	–	–	–	–	–	**10.6**
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	–	–	–	–	17.3	–	–	–	–	–	–	**17.3**
Other Middle East	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.0	–	–	1.8	–	–	–	**3.8**
Middle East	–	–	–	–	–	–	–	–	–	–	–	10.2	0.4	–	19.2	–	–	1.8	–	–	–	**31.6**
South Africa	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.3	–	–	–	**3.3**
Other Africa	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.5	–	0.8	–	–	–	**2.4**
Africa	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.5	–	4.1	–	–	–	**5.7**
Australia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6.3	**6.3**
China	–	–	–	–	–	–	–	–	–	–	–	14.3	–	–	–	–	–	–	–	–	–	**14.3**
Hong Kong	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.1	**3.1**
Malaysia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.0	–	–	**2.0**
Singapore	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6.7	–	2.3	**9.1**
Thailand	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	8.6	–	**8.6**
Asia Pacific	–	–	–	–	–	–	–	–	–	–	–	14.3	–	–	–	–	–	–	8.7	8.6	11.7	**43.2**
Total exports	**40.7**	**88.0**	**0.1**	**13.3**	**2.3**	**50.4**	**92.8**	**16.3**	**21.4**	**11.5**	**207.0**	**34.6**	**16.4**	**9.1**	**19.2**	**34.4**	**2.3**	**5.9**	**8.7**	**8.6**	**11.7**	**694.6**

Source: Cedigaz for all flows, except intra-CIS trade; CISStat.

Trade movements 2011 – liquefied natural gas

Billion cubic metres

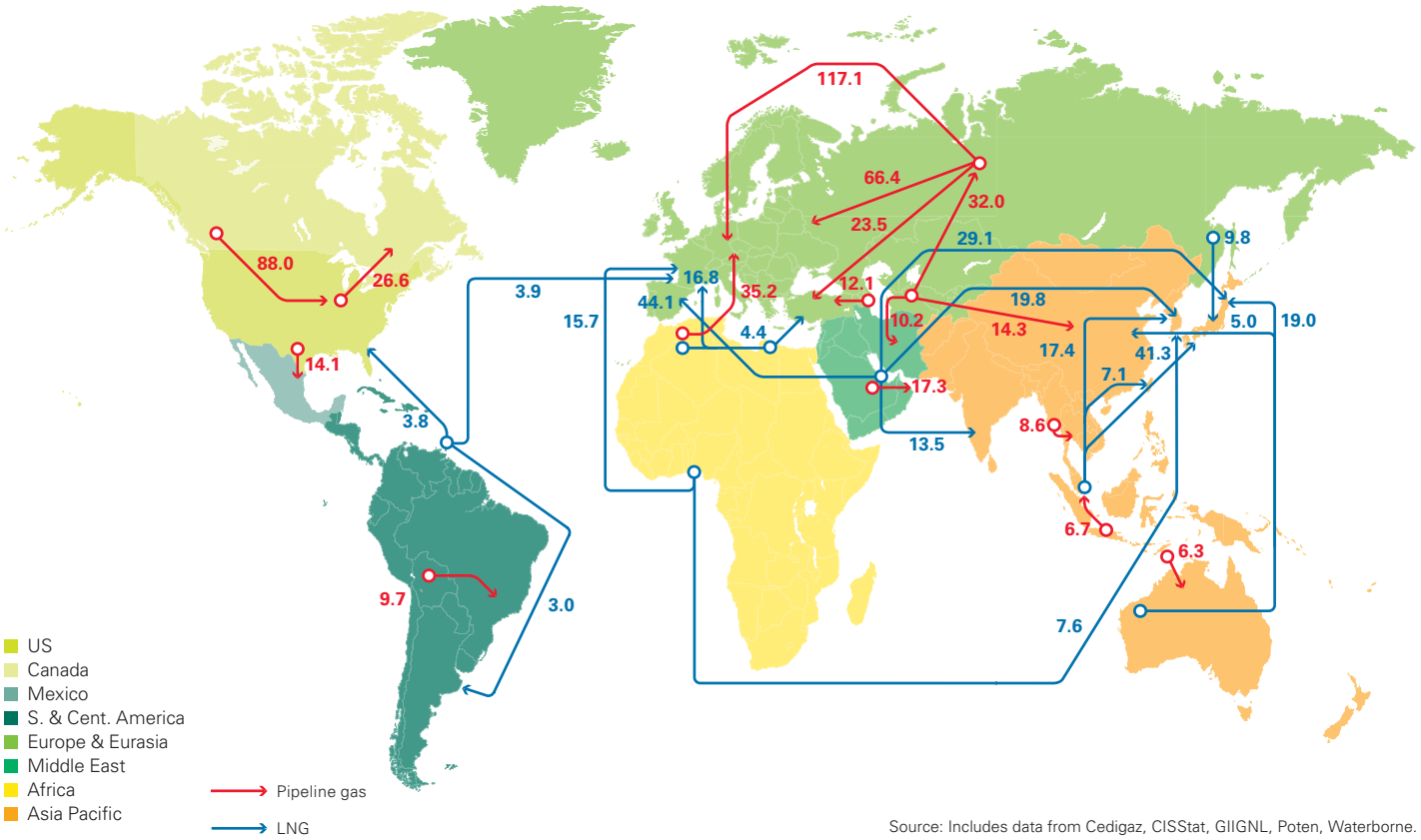
To	From: US*	Trinidad & Tobago	Peru	Belgium*	Norway	Spain*	Russian Federation	Oman	Qatar	United Arab Emirates	Yemen	Algeria	Egypt	Equatorial Guinea	Libya	Nigeria	Australia	Brunei	Indonesia	Malaysia	**Total imports**
US	–	3.8	0.5	–	0.4	–	–	–	2.6	–	1.7	–	1.0	–	–	0.1	–	–	–	–	**10.0**
Canada	–	1.2	–	–	–	–	–	–	2.1	–	–	–	–	–	–	–	–	–	–	–	**3.3**
Mexico	–	–	0.7	–	–	–	–	–	1.8	–	0.2	–	–	–	–	1.2	–	–	0.3	–	**4.0**
North America	–	4.9	1.1	–	0.4	–	–	–	6.5	–	1.9	–	1.0	–	–	1.2	–	–	0.3	–	**17.4**
Argentina	–	3.0	–	–	–	0.2	–	–	0.7	–	–	–	0.1	–	–	0.4	–	–	–	–	**4.4**
Chile	0.1	1.3	–	–	–	–	–	–	0.6	–	0.5	–	0.1	1.2	–	–	–	–	0.1	–	**3.9**
Other S. & Cent. America	0.3	1.8	–	–	0.1	–	–	–	0.4	–	–	–	–	–	–	0.1	–	–	–	–	**2.7**
S. & Cent. America	0.4	6.1	–	–	0.1	0.2	–	–	1.7	–	0.5	–	0.2	1.2	–	0.5	–	–	0.1	–	**10.9**
Belgium	–	0.1	–	–	–	–	–	–	6.1	–	0.3	0.1	–	–	–	0.1	–	–	–	–	**6.6**
France	–	0.4	–	–	0.5	–	–	–	3.2	–	0.2	5.7	0.9	–	–	3.6	–	–	–	–	**14.6**
Italy	–	0.2	–	–	0.2	0.2	–	–	6.1	–	–	1.6	0.5	–	–	–	–	–	–	–	**8.7**
Spain	0.2	2.5	1.9	0.2	1.3	–	–	0.2	4.8	–	–	4.0	2.3	–	0.1	6.6	–	–	–	–	**24.2**
Turkey	–	–	–	–	–	–	–	–	0.6	–	–	4.0	0.4	–	–	1.3	–	–	–	–	**6.2**
United Kingdom	0.1	0.6	–	–	0.4	–	–	–	21.9	–	0.7	0.2	0.1	–	–	1.3	–	–	–	–	**25.3**
Other Europe & Eurasia	–	0.1	–	0.1	0.2	–	–	–	0.7	–	–	1.1	0.2	–	–	2.8	–	–	–	–	**5.1**
Europe & Eurasia	0.3	3.9	1.9	0.3	2.6	0.2	–	0.2	43.4	–	1.2	16.8	4.3	–	0.1	15.7	–	–	–	–	**90.7**
Middle East	–	0.3	–	–	–	0.1	–	–	2.4	0.1	–	–	0.1	–	–	0.9	0.3	–	–	0.5	**4.6**
China	0.2	0.5	0.1	–	–	–	0.3	–	3.2	–	1.1	–	0.2	0.2	–	1.0	5.0	–	2.7	2.1	**16.6**
India	0.4	0.6	–	–	0.1	–	–	0.1	13.0	0.2	0.2	0.2	0.6	–	–	1.4	0.2	–	–	0.2	**17.1**
Japan	0.5	0.4	0.5	0.3	0.2	0.2	9.8	5.4	15.8	7.7	0.3	0.1	0.9	2.0	–	2.7	19.0	8.4	12.6	20.3	**107.0**
South Korea	0.2	2.2	1.0	0.1	0.4	–	3.9	5.0	11.1	–	3.7	–	0.6	1.1	–	1.5	1.1	1.0	10.8	5.6	**49.3**
Taiwan	–	0.1	0.1	–	0.2	0.1	0.3	0.2	5.3	0.1	0.2	–	0.7	0.8	–	0.9	0.4	–	2.6	4.5	**16.3**
Thailand	–	–	0.3	–	–	–	0.2	–	0.3	–	–	–	–	–	–	0.2	–	–	0.1	–	**1.0**
Asia Pacific	1.3	3.7	2.0	0.3	0.9	0.2	14.4	10.8	48.6	7.9	5.4	0.3	3.0	4.0	–	7.6	25.6	9.4	28.8	32.8	**207.3**
Total exports	**2.0**	**18.9**	**5.1**	**0.6**	**4.0**	**0.7**	**14.4**	**10.9**	**102.6**	**8.0**	**8.9**	**17.1**	**8.6**	**5.3**	**0.1**	**25.9**	**25.9**	**9.4**	**29.2**	**33.3**	**330.8**

*Includes re-exports.

Source: Includes data from GIIGNL, Poten, Waterborne.

Major trade movements 2011

Trade flows worldwide (billion cubic metres)



Source: Includes data from Cedigaz, CISStat, GIIGNL, Poten, Waterborne.

Gas trade in 2010 and 2011

Billion cubic metres	2010				2011			
	Pipeline imports	LNG imports	Pipeline exports	LNG exports	Pipeline imports	LNG imports	Pipeline exports	LNG exports
US	93.3	12.2	30.3	1.6	88.1	10.0	40.7	2.0
Canada	20.9	2.1	92.4	–	26.6	3.3	88.0	–
Mexico	9.4	5.7	0.9	–	14.1	4.0	0.1	–
Trinidad & Tobago	–	–	–	20.4	–	–	–	18.9
Other S. & Cent. America	14.3	9.2	14.3	1.8	15.6	10.9	15.6	5.1
France	34.6	14.2	1.5	–	32.3	14.6	2.2	–
Germany	91.7	–	14.9	–	84.0	–	11.7	–
Italy	65.8	9.1	0.1	–	60.8	8.7	0.1	–
Netherlands	16.8	–	53.3	–	13.6	0.8	50.4	–
Norway	–	–	96.3	4.71	–	–	92.8	4.0
Spain	8.9	27.9	0.5	–	12.5	24.2	0.5	0.7
Turkey	28.4	8.0	0.7	–	35.6	6.2	0.7	–
United Kingdom	35.0	18.7	15.7	–	28.1	25.3	16.3	–
Other Europe	98.9	10.6	11.3	0.6	101.8	10.9	6.2	0.6
Russian Federation	32.7	–	189.5	13.4	30.1	–	207.0	14.4
Ukraine	33.0	–	–	–	40.5	–	–	–
Other Former Soviet Union	32.2	–	51.5	–	30.4	–	62.5	–
Qatar	–	–	19.2	76.1	–	–	19.2	102.6
Other Middle East	31.5	2.9	8.4	25.3	31.6	4.6	9.1	27.8
Algeria	–	–	37.0	19.3	–	–	34.4	17.1
Other Africa	4.9	–	18.0	39.5	5.7	–	8.3	39.8
Japan	–	95.1	–	–	–	107.0	–	–
Indonesia	–	–	9.9	31.8	–	–	8.7	29.2
South Korea	–	44.4	–	–	–	49.3	–	–
Other Asia Pacific	33.4	40.4	19.9	66.1	43.2	51.0	20.3	68.6
Total World	**685.5**	**300.6**	**685.5**	**300.6**	**694.6**	**330.8**	**694.6**	**330.8**

Source: Includes data from Cedigaz, CISStat, GIIGNL, Poten, Waterborne.

Proved reserves at end 2011

Million tonnes	Anthracite and bituminous	Sub-bituminous and lignite	**Total**	Share of total	R/P ratio
US	108501	128794	**237295**	27.6%	239
Canada	3474	3108	**6582**	0.8%	97
Mexico	860	351	**1211**	0.1%	77
Total North America	112835	132253	**245088**	28.5%	228
Brazil	–	4559	**4559**	0.5%	*
Colombia	6366	380	**6746**	0.8%	79
Venezuela	479	–	**479**	0.1%	55
Other S. & Cent. America	45	679	**724**	0.1%	*
Total S. & Cent. America	6890	5618	**12508**	1.5%	124
Bulgaria	2	2364	**2366**	0.3%	64
Czech Republic	192	908	**1100**	0.1%	19
Germany	99	40600	**40699**	4.7%	216
Greece	–	3020	**3020**	0.4%	53
Hungary	13	1647	**1660**	0.2%	174
Kazakhstan	21500	12100	**33600**	3.9%	290
Poland	4338	1371	**5709**	0.7%	41
Romania	10	281	**291**	◆	8
Russian Federation	49088	107922	**157010**	18.2%	471
Spain	200	330	**530**	0.1%	81
Turkey	529	1814	**2343**	0.3%	30
Ukraine	15351	18522	**33873**	3.9%	390
United Kingdom	228	–	**228**	◆	12
Other Europe & Eurasia	1440	20735	**22175**	2.6%	238
Total Europe & Eurasia	92990	211614	**304604**	35.4%	242
South Africa	30156	–	**30156**	3.5%	118
Zimbabwe	502	–	**502**	0.1%	202
Other Africa	860	174	**1034**	0.1%	*
Middle East	1203	–	**1203**	0.1%	*
Total Middle East & Africa	32721	174	**32895**	3.8%	126
Australia	37100	39300	**76400**	8.9%	184
China	62200	52300	**114500**	13.3%	33
India	56100	4500	**60600**	7.0%	103
Indonesia	1520	4009	**5529**	0.6%	17
Japan	340	10	**350**	◆	275
New Zealand	33	538	**571**	0.1%	115
North Korea	300	300	**600**	0.1%	19
Pakistan	–	2070	**2070**	0.2%	*
South Korea	–	126	**126**	◆	60
Thailand	–	1239	**1239**	0.1%	58
Vietnam	150	–	**150**	◆	3
Other Asia Pacific	1583	2125	**3708**	0.4%	88
Total Asia Pacific	159326	106517	**265843**	30.9%	53
Total World	**404762**	**456176**	**860938**	**100.0%**	**112**
of which: OECD	155926	222603	**378529**	44.0%	182
Non-OECD	248836	233573	**482409**	56.0%	86
European Union	5101	51047	**56148**	6.5%	97
Former Soviet Union	86725	141309	**228034**	26.5%	408

*More than 500 years.
◆Less than 0.05%.

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

Notes: Proved reserves of coal – Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known deposits under existing economic and operating conditions.
Reserves-to-production (R/P) ratio – If the reserves remaining at the end of the year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

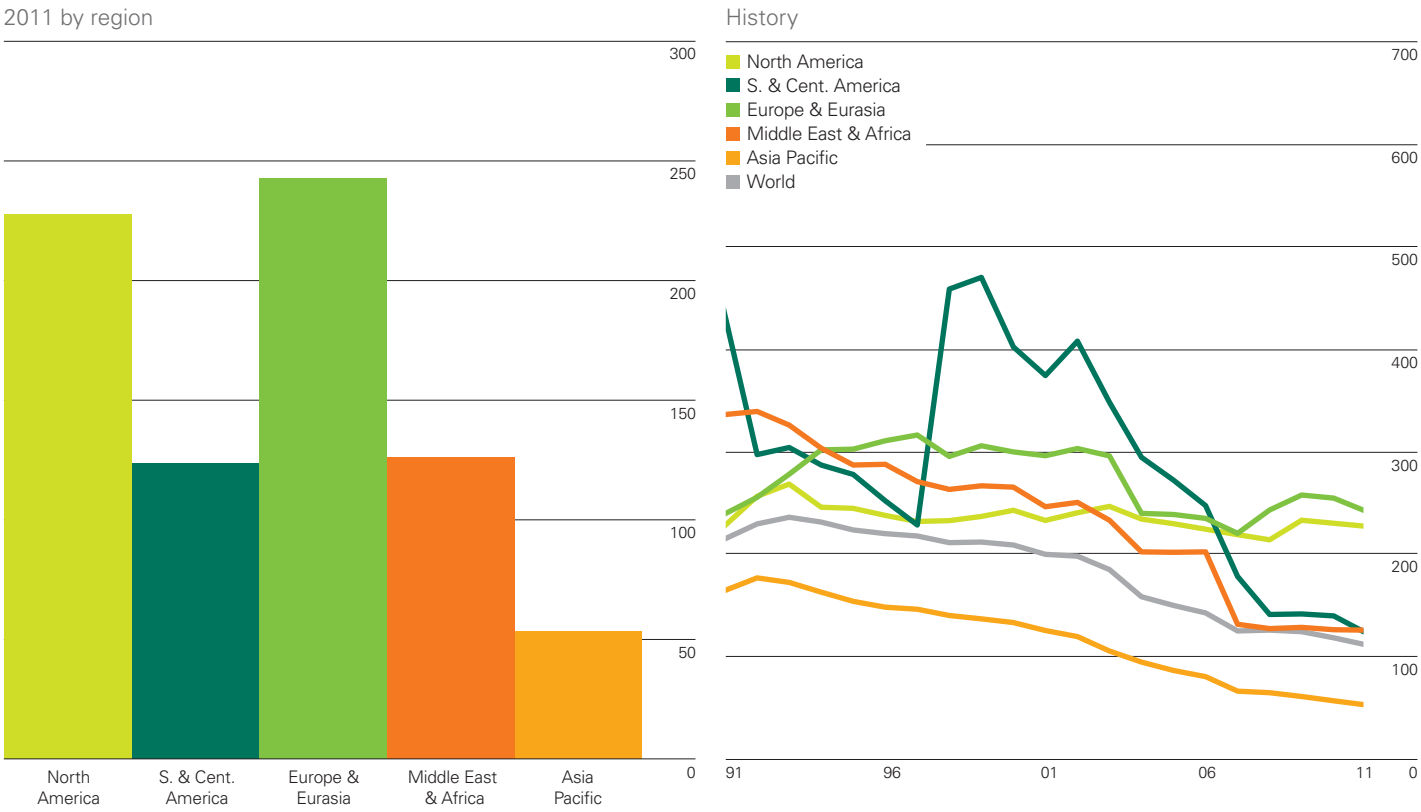
Prices

US dollars per tonne	Northwest Europe marker price†	US Central Appalachian coal spot price index‡	Japan coking coal import cif price	Japan steam coal import cif price
1991	42.80	29.01	60.45	50.30
1992	38.53	28.53	57.82	48.45
1993	33.68	29.85	55.26	45.71
1994	37.18	31.72	51.77	43.66
1995	44.50	27.01	54.47	47.58
1996	41.25	29.86	56.68	49.54
1997	38.92	29.76	55.51	45.53
1998	32.00	31.00	50.76	40.51
1999	28.79	31.29	42.83	35.74
2000	35.99	29.90	39.69	34.58
2001	39.03	50.15	41.33	37.96
2002	31.65	33.20	42.01	36.90
2003	43.60	38.52	41.57	34.74
2004	72.08	64.90	60.96	51.34
2005	60.54	70.12	89.33	62.91
2006	64.11	62.96	93.46	63.04
2007	88.79	51.16	88.24	69.86
2008	147.67	118.79	179.03	122.81
2009	70.66	68.08	167.82	110.11
2010	92.50	71.63	158.95	105.19
2011	121.54	87.38	229.12	136.21

†Source: McCloskey Coal Information Service. Prices for 1991-2000 are the average of the monthly marker, 2001-2011 the average of weekly prices.
‡Source: Platts. Prices are for CAPP 12,500Btu, 1.2 SO_2 coal, fob. Prices for 1991-2000 are by coal price publication date, 2001-2011 by coal price assessment date.
Note: CAPP = Central Appalachian; cif = cost+insurance+freight (average prices); fob = free on board.

Reserves-to-production (R/P) ratios

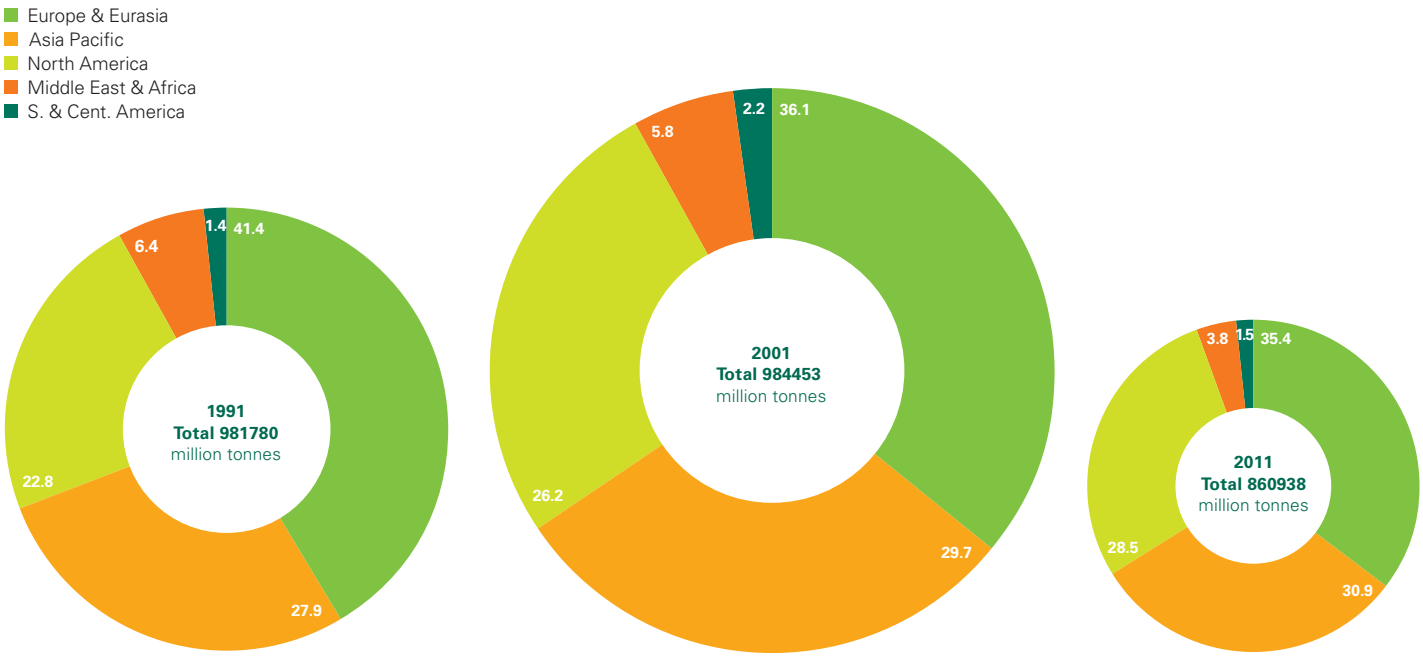
Years



World proved reserves of coal in 2011 were sufficient to meet 112 years of global production, by far the largest R/P ratio for any fossil fuel. Europe & Eurasia holds the largest regional reserves and has the highest R/P ratio. The Asia Pacific region holds the second-largest reserves, while North America has the second-highest R/P ratio.

Distribution of proved reserves in 1991, 2001 and 2011

Percentage



Source: Survey of Energy Resources, World Energy Council.

Production*

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	590.3	570.1	553.6	572.4	580.2	595.1	587.7	596.7	540.9	551.8	**556.8**	0.9%	14.1%
Canada	36.6	34.2	31.3	33.5	35.3	34.1	35.7	35.6	32.8	36.0	**35.6**	-1.2%	0.9%
Mexico	5.3	5.3	4.6	4.7	5.2	5.5	6.0	5.5	5.0	4.8	**7.6**	55.8%	0.2%
Total North America	632.2	609.5	589.5	610.7	620.7	634.7	629.4	637.8	578.7	592.7	**600.0**	1.2%	15.2%
Brazil	2.1	1.9	1.8	2.0	2.4	2.2	2.3	2.5	2.2	2.1	**2.4**	11.3%	0.1%
Colombia	28.5	25.7	32.5	34.9	38.4	42.6	45.4	47.8	47.3	48.3	**55.8**	15.4%	1.4%
Venezuela	5.6	5.9	5.1	5.9	5.3	5.7	5.6	5.6	6.4	6.4	**6.3**	-1.3%	0.2%
Other S. & Cent. America	0.5	0.4	0.5	0.2	0.3	0.6	0.3	0.4	0.5	0.3	**0.3**	–	◆
Total S. & Cent. America	36.8	33.9	39.9	43.0	46.3	51.2	53.6	56.3	56.4	57.2	**64.8**	13.3%	1.6%
Bulgaria	4.4	4.3	4.5	4.4	4.1	4.2	4.7	4.8	4.5	4.9	**6.1**	26.1%	0.2%
Czech Republic	25.4	24.3	24.2	23.5	23.5	23.8	23.6	22.8	21.0	20.8	**21.6**	3.7%	0.5%
France	1.5	1.1	1.3	0.4	0.2	0.2	0.2	0.1	†	0.1	**0.1**	-42.9%	◆
Germany	54.1	55.0	54.1	54.7	53.2	50.3	51.5	47.7	44.4	43.7	**44.6**	2.1%	1.1%
Greece	8.5	9.1	9.0	9.1	9.0	8.3	8.6	8.3	8.4	7.4	**7.4**	-0.4%	0.2%
Hungary	2.9	2.7	2.8	2.4	2.0	2.1	2.0	1.9	1.9	1.9	**2.0**	5.3%	◆
Kazakhstan	40.7	37.8	43.3	44.4	44.2	49.1	50.0	56.8	51.5	56.2	**58.8**	4.5%	1.5%
Poland	71.7	71.3	71.4	70.5	68.7	67.0	62.3	60.5	56.4	55.5	**56.6**	2.0%	1.4%
Romania	7.1	6.6	7.0	6.7	6.6	6.5	6.7	6.7	6.4	5.8	**6.7**	14.1%	0.2%
Russian Federation	122.6	117.3	127.1	131.7	139.2	145.1	148.0	153.4	142.1	151.1	**157.3**	4.1%	4.0%
Spain	7.6	7.2	6.8	6.7	6.4	6.1	5.7	4.1	3.8	3.4	**2.5**	-25.2%	0.1%
Turkey	13.2	11.5	10.4	10.1	12.6	13.7	16.0	16.8	17.1	15.8	**16.6**	5.1%	0.4%
Ukraine	43.5	42.8	41.6	42.2	41.0	41.7	39.9	41.3	38.4	39.9	**45.1**	13.0%	1.1%
United Kingdom	19.4	18.2	17.2	15.3	12.5	11.3	10.3	11.0	10.9	11.2	**11.2**	-0.4%	0.3%
Other Europe & Eurasia	16.9	17.9	19.0	18.5	17.7	18.5	20.1	20.6	20.0	19.5	**20.6**	5.2%	0.5%
Total Europe & Eurasia	439.6	427.2	439.8	440.6	440.8	448.0	449.8	456.9	426.6	437.3	**457.1**	4.5%	11.6%
Total Middle East	0.7	0.8	0.7	0.8	0.8	0.9	1.0	1.0	0.7	0.7	**0.7**	–	◆
South Africa	126.1	124.1	134.1	137.2	137.7	138.0	139.6	142.4	141.2	143.3	**143.8**	0.3%	3.6%
Zimbabwe	2.9	2.5	1.8	2.4	2.2	1.4	1.3	1.0	1.1	1.6	**1.6**	–	◆
Other Africa	1.2	1.3	1.6	1.3	1.2	1.3	1.1	1.2	1.0	1.2	**1.2**	–	◆
Total Africa	130.2	128.0	137.5	140.9	141.1	140.6	142.1	144.5	143.3	146.1	**146.6**	0.3%	3.7%
Australia	180.2	184.3	189.4	196.8	205.7	210.8	217.1	224.1	232.1	236.0	**230.8**	-2.2%	5.8%
China	809.5	853.8	1013.4	1174.1	1302.2	1406.4	1501.1	1557.1	1652.1	1797.7	**1956.0**	8.8%	49.5%
India	133.6	138.5	144.4	155.7	162.1	170.2	181.0	195.6	210.8	217.5	**222.4**	2.3%	5.6%
Indonesia	56.9	63.5	70.3	81.4	93.9	119.2	133.4	147.8	157.6	169.2	**199.8**	18.1%	5.1%
Japan	1.8	0.8	0.7	0.7	0.6	0.7	0.8	0.7	0.7	0.5	**0.7**	38.7%	◆
New Zealand	2.5	2.8	3.2	3.3	3.3	3.6	3.0	3.0	2.8	3.3	**3.1**	-7.7%	0.1%
Pakistan	1.5	1.6	1.5	1.5	1.6	1.7	1.6	1.8	1.6	1.5	**1.4**	-4.1%	◆
South Korea	1.7	1.5	1.5	1.4	1.3	1.3	1.3	1.2	1.1	0.9	**0.9**	0.1%	◆
Thailand	5.6	5.7	5.3	5.6	5.8	5.3	5.1	5.0	5.0	5.1	**6.0**	16.7%	0.2%
Vietnam	7.5	9.2	10.8	14.7	18.3	21.8	22.4	23.0	25.2	24.6	**24.9**	1.1%	0.6%
Other Asia Pacific	19.9	19.6	20.3	22.1	24.9	25.3	23.9	25.6	28.5	36.3	**40.2**	10.8%	1.0%
Total Asia Pacific	1220.7	1281.2	1460.8	1657.3	1819.6	1966.3	2090.7	2184.8	2317.4	2492.7	**2686.3**	7.8%	67.9%
Total World	**2460.2**	**2480.5**	**2668.1**	**2893.2**	**3069.3**	**3241.7**	**3366.5**	**3481.2**	**3523.2**	**3726.7**	**3955.5**	**6.1%**	**100.0%**
of which: OECD	1029.1	1006.2	989.5	1012.5	1025.7	1040.4	1039.9	1047.5	986.3	1000.0	**1004.4**	0.4%	25.4%
Non-OECD	1431.2	1474.3	1678.6	1880.7	2043.6	2201.3	2326.7	2433.7	2536.9	2726.6	**2951.0**	8.2%	74.6%
European Union	207.5	205.0	203.8	198.6	191.0	184.3	180.8	173.0	162.5	160.1	**164.3**	2.6%	4.2%
Former Soviet Union	210.1	201.4	215.8	222.2	228.5	239.9	242.3	256.1	236.3	252.2	**266.5**	5.7%	6.7%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal.
†Less than 0.05.
◆Less than 0.05%.
Note: Coal production data expressed in million tonnes is available at *bp.com/statisticalreview*.

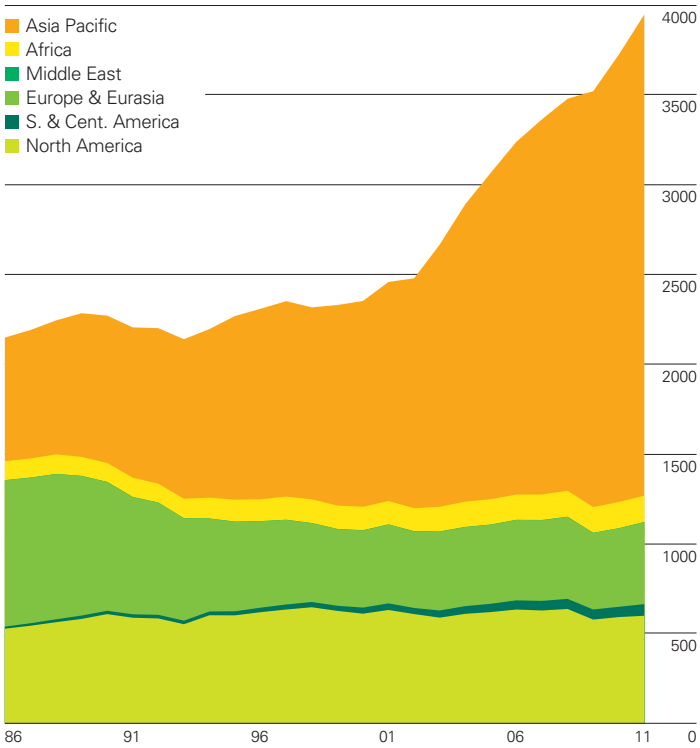
Consumption*

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	552.2	552.0	562.5	566.1	574.2	565.7	573.3	564.1	496.2	526.1	**501.9**	-4.6%	13.5%
Canada	34.0	31.6	27.0	28.5	33.3	29.1	29.8	29.9	25.2	24.0	**21.8**	-9.1%	0.6%
Mexico	6.9	7.8	8.9	7.1	9.3	9.1	9.1	6.8	8.4	9.4	**9.9**	5.6%	0.3%
Total North America	593.1	591.3	598.4	601.7	616.8	603.9	612.2	600.8	529.8	559.5	**533.7**	-4.6%	14.3%
Argentina	0.6	0.5	0.7	0.8	0.9	0.3	0.4	1.1	1.2	1.0	**1.1**	10.7%	◆
Brazil	12.2	11.5	11.8	12.8	12.7	12.5	13.4	13.5	11.3	13.9	**13.9**	-0.5%	0.4%
Chile	2.3	2.4	2.3	2.6	2.6	3.2	3.8	4.1	3.7	4.2	**5.3**	25.9%	0.1%
Colombia	2.7	2.2	2.4	2.0	2.7	2.4	2.4	2.8	3.5	4.0	**4.3**	7.1%	0.1%
Ecuador	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Peru	0.4	0.7	0.7	0.7	0.8	0.6	0.8	0.8	0.8	0.8	**0.8**	6.9%	◆
Trinidad & Tobago	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Venezuela	†	†	†	–	†	†	†	†	0.1	1.9	**2.0**	4.2%	0.1%
Other S. & Cent. America	0.7	1.0	2.1	1.9	1.9	2.0	2.1	2.1	2.6	2.4	**2.4**	2.1%	0.1%
Total S. & Cent. America	19.0	18.3	19.9	20.8	21.5	21.1	22.8	24.4	23.1	28.2	**29.8**	5.7%	0.8%
Austria	3.1	3.0	3.3	3.3	3.1	3.1	3.0	2.8	2.3	2.6	**2.5**	-4.0%	0.1%
Azerbaijan	†	†	†	†	†	†	†	†	†	†	**†**	–	◆
Belarus	0.1	0.1	0.1	0.1	0.1	0.1	†	†	†	†	**†**	–	◆
Belgium	6.7	6.0	5.8	5.6	5.0	4.8	4.4	3.9	3.1	3.3	**2.1**	-37.2%	0.1%
Bulgaria	7.1	6.5	7.2	7.1	6.8	6.9	7.7	7.5	6.4	6.8	**8.4**	23.8%	0.2%
Czech Republic	21.2	20.6	20.8	20.9	20.4	21.1	21.2	19.9	17.4	18.2	**19.2**	5.6%	0.5%
Denmark	4.2	4.2	5.7	4.6	3.7	5.6	4.7	4.1	4.0	3.8	**3.2**	-15.4%	0.1%
Finland	3.9	4.1	5.5	5.0	2.9	4.7	4.4	3.0	3.3	4.3	**3.3**	-23.0%	0.1%
France	12.1	12.4	13.3	12.8	13.3	12.1	12.3	11.9	9.9	10.7	**9.0**	-15.9%	0.2%
Germany	85.0	84.6	87.2	85.4	82.1	83.5	85.7	80.1	71.7	76.6	**77.6**	1.2%	2.1%
Greece	9.3	9.8	9.4	9.0	8.8	8.1	8.5	8.1	8.1	7.4	**7.3**	-0.5%	0.2%
Hungary	3.4	3.1	3.4	3.1	2.7	2.9	2.9	2.8	2.5	2.6	**2.7**	3.3%	0.1%
Republic of Ireland	1.9	1.8	1.7	1.8	1.9	1.6	1.6	1.4	1.2	1.2	**1.3**	1.9%	◆
Italy	13.1	13.3	14.0	16.0	16.0	16.4	16.6	16.4	12.9	14.3	**15.4**	7.9%	0.4%
Kazakhstan	22.5	22.8	25.2	26.5	27.2	29.8	31.7	33.4	32.6	31.6	**30.2**	-4.5%	0.8%
Lithuania	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	**0.2**	6.4%	◆
Netherlands	8.5	8.9	9.1	9.1	8.7	8.5	9.0	8.5	7.9	7.9	**7.8**	-1.6%	0.2%
Norway	0.9	0.8	0.7	0.8	0.7	0.6	0.7	0.7	0.5	0.6	**0.6**	2.1%	◆
Poland	58.0	56.7	57.7	57.3	55.7	58.0	57.9	56.0	51.9	56.4	**59.8**	6.0%	1.6%
Portugal	3.7	4.1	3.8	3.7	3.8	3.8	3.3	2.9	3.3	1.9	**2.6**	36.9%	0.1%
Romania	7.2	7.6	7.8	7.4	7.6	8.5	7.4	7.4	6.6	6.1	**7.1**	16.6%	0.2%
Russian Federation	102.4	103.0	104.0	99.5	94.2	96.7	93.4	100.4	91.9	90.2	**90.9**	0.8%	2.4%
Slovakia	4.1	4.0	4.2	4.1	3.9	3.8	3.8	3.7	3.5	3.4	**3.3**	-3.2%	0.1%
Spain	20.1	22.7	21.0	22.0	22.5	19.8	21.9	15.5	11.8	9.8	**14.9**	52.1%	0.4%
Sweden	2.0	2.2	2.2	2.3	2.2	2.3	2.2	2.0	1.6	2.1	**2.0**	-8.0%	0.1%
Switzerland	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	**0.1**	-2.0%	◆
Turkey	18.4	19.3	20.7	21.8	21.8	25.9	28.9	29.2	30.4	30.9	**32.4**	5.1%	0.9%
Turkmenistan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Ukraine	39.7	38.9	40.3	39.1	37.4	39.7	39.7	40.2	35.1	37.9	**42.4**	11.9%	1.1%
United Kingdom	38.9	35.7	38.1	36.6	37.4	40.9	38.4	35.6	29.9	31.0	**30.8**	-0.7%	0.8%
Uzbekistan	1.1	1.0	0.7	1.2	1.2	1.7	1.4	1.4	1.4	1.3	**1.3**	-0.1%	◆
Other Europe & Eurasia	19.8	21.9	23.1	23.8	22.1	19.2	20.2	20.6	19.5	20.1	**20.8**	3.9%	0.6%
Total Europe & Eurasia	518.5	519.5	536.3	530.3	513.6	530.3	533.2	519.8	471.1	483.3	**499.2**	3.3%	13.4%
Iran	1.1	1.1	1.1	1.0	1.2	1.2	1.3	0.9	1.0	0.8	**0.8**	-2.4%	◆
Israel	7.2	7.6	7.9	8.0	7.9	7.8	8.0	7.9	7.7	7.7	**7.9**	2.6%	0.2%
Kuwait	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other Middle East	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Total Middle East	8.3	8.7	9.0	9.0	9.1	9.1	9.3	8.8	8.7	8.5	**8.7**	2.1%	0.2%
Algeria	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.2	–	**–**	–	–
Egypt	1.2	1.3	1.4	1.3	1.3	1.2	1.2	1.2	1.2	0.9	**0.9**	1.8%	◆
South Africa	73.4	75.9	81.4	85.4	82.9	84.0	89.1	95.1	89.9	91.3	**92.9**	1.7%	2.5%
Other Africa	7.1	6.9	6.1	6.8	7.0	6.4	5.7	5.9	4.8	5.9	**6.0**	2.2%	0.2%
Total Africa	82.2	84.7	89.5	94.1	91.7	92.1	96.5	102.7	96.1	98.1	**99.8**	1.7%	2.7%
Australia	48.2	51.1	49.4	50.8	53.5	56.0	54.1	54.6	54.5	43.8	**49.8**	13.6%	1.3%
Bangladesh	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.6	0.6	0.9	**1.0**	6.1%	◆
China	720.8	760.4	900.2	1065.6	1186.2	1317.7	1392.5	1441.1	1579.5	1676.2	**1839.4**	9.7%	49.4%
China Hong Kong SAR	4.9	5.4	6.6	6.6	6.7	7.0	7.5	7.0	7.6	6.3	**7.7**	21.4%	0.2%
India	145.2	151.8	156.8	172.3	184.4	195.4	210.3	230.4	253.8	270.8	**295.6**	9.2%	7.9%
Indonesia	16.8	18.0	24.2	22.2	25.4	30.1	37.8	30.1	34.6	41.2	**44.0**	6.7%	1.2%
Japan	103.0	106.6	112.2	120.8	121.3	119.1	125.3	128.7	108.8	123.7	**117.7**	-4.8%	3.2%
Malaysia	3.0	3.6	5.3	6.6	6.9	7.3	8.8	9.8	10.6	13.8	**15.0**	9.2%	0.4%
New Zealand	1.4	1.4	2.0	2.1	2.3	2.2	1.7	2.1	1.6	1.4	**1.4**	1.9%	◆
Pakistan	2.1	2.4	2.9	3.8	4.1	4.2	5.1	5.3	4.7	4.5	**4.2**	-5.9%	0.1%
Philippines	4.5	4.7	4.7	5.0	5.7	5.5	5.9	7.0	6.7	7.7	**8.3**	7.0%	0.2%
Singapore	–	–	–	–	–	–	–	–	–	–	**–**	–	–
South Korea	45.7	49.1	51.1	53.1	54.8	54.8	59.7	66.1	68.6	75.9	**79.4**	4.6%	2.1%
Taiwan	30.6	32.7	35.1	36.6	38.1	39.6	41.8	40.2	38.7	40.3	**41.6**	3.4%	1.1%
Thailand	8.8	9.2	9.4	10.4	11.2	12.4	14.1	15.3	14.5	15.3	**13.9**	-9.4%	0.4%
Vietnam	5.0	5.3	5.5	8.2	8.0	9.5	10.1	10.0	14.0	13.9	**15.0**	8.3%	0.4%
Other Asia Pacific	19.4	18.5	18.8	19.2	20.5	21.0	17.8	19.5	19.0	18.7	**19.1**	2.2%	0.5%
Total Asia Pacific	1160.0	1220.5	1384.6	1583.4	1729.5	1882.5	1993.2	2067.6	2217.8	2354.4	**2553.2**	8.4%	68.6%
Total World	**2381.1**	**2443.2**	**2637.7**	**2839.3**	**2982.3**	**3139.0**	**3267.3**	**3324.1**	**3346.6**	**3532.0**	**3724.3**	**5.4%**	**100.0%**
of which: OECD	1124.1	1131.4	1155.8	1169.3	1180.8	1179.5	1201.9	1178.0	1056.7	1110.8	**1098.6**	-1.1%	29.5%
Non-OECD	1257.0	1311.8	1481.9	1670.0	1801.5	1959.5	2065.4	2146.1	2289.9	2421.2	**2625.7**	8.4%	70.5%
European Union	318.0	316.1	326.2	322.2	313.5	321.3	322.5	298.9	264.0	276.0	**285.9**	3.6%	7.7%
Former Soviet Union	169.3	169.5	174.5	170.9	164.2	171.9	170.9	179.9	165.2	166.3	**169.8**	2.1%	4.6%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal.
†Less than 0.05.
◆Less than 0.05%.

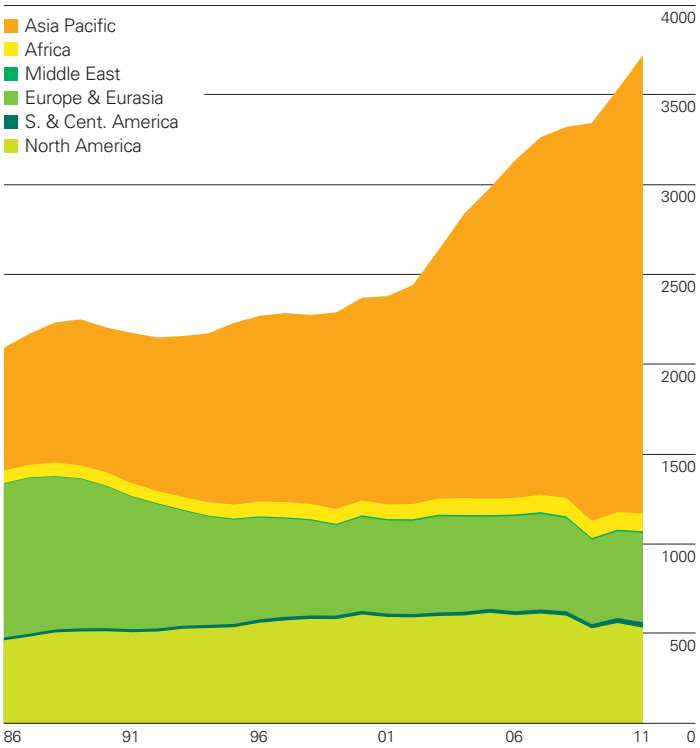
Production by region

Million tonnes oil equivalent



Consumption by region

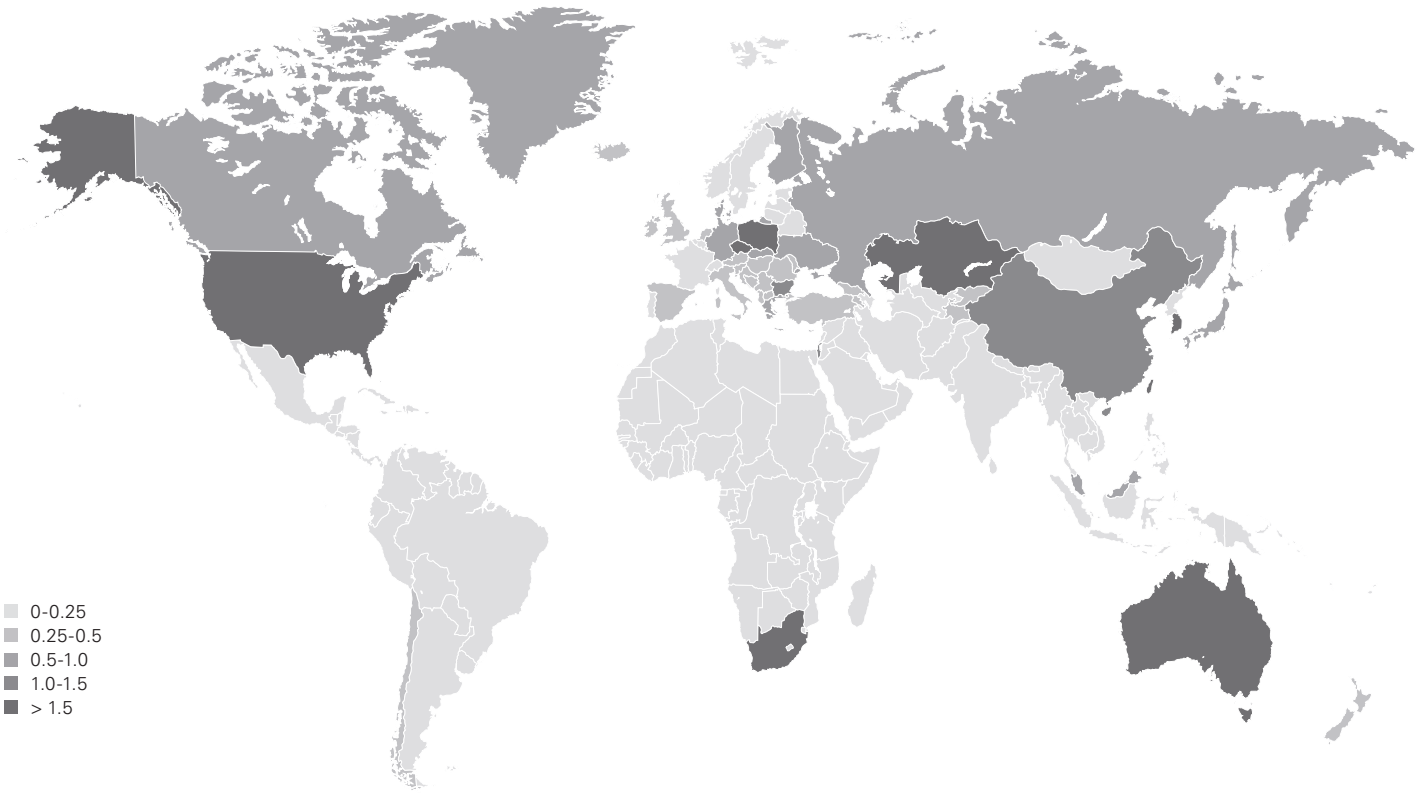
Million tonnes oil equivalent



Coal was again the fastest-growing fossil fuel. Global production grew by 6.1%. The Asia Pacific region accounted for 85% of global production growth, led by an 8.8% increase in China, the world's largest supplier. Global coal consumption increased by 5.4%, with the Asia Pacific region accounting for all of the net growth. Elsewhere, large declines in North American consumption were offset by growth in all other regions.

Consumption per capita 2011

Tonnes oil equivalent



Nuclear energy

Consumption*

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	183.1	185.8	181.9	187.8	186.3	187.5	192.1	192.0	190.3	192.2	**188.2**	-2.1%	31.4%
Canada	17.2	17.0	16.8	20.3	20.7	22.0	21.0	21.1	20.3	20.3	**21.4**	5.6%	3.6%
Mexico	2.0	2.2	2.4	2.1	2.4	2.5	2.4	2.2	2.4	1.3	**2.3**	71.6%	0.4%
Total North America	202.3	205.0	201.1	210.2	209.4	212.0	215.4	215.4	213.0	213.8	**211.9**	-0.9%	35.4%
Argentina	1.6	1.3	1.7	1.8	1.6	1.7	1.6	1.6	1.8	1.6	**1.4**	-11.9%	0.2%
Brazil	3.2	3.1	3.0	2.6	2.2	3.1	2.8	3.2	2.9	3.3	**3.5**	7.8%	0.6%
Chile	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Peru	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Trinidad & Tobago	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Venezuela	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other S. & Cent. America	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Total S. & Cent. America	4.8	4.4	4.7	4.4	3.8	4.8	4.4	4.8	4.7	4.9	**4.9**	1.4%	0.8%
Austria	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Azerbaijan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Belarus	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Belgium	10.5	10.7	10.7	10.7	10.8	10.6	10.9	10.3	10.7	10.8	**10.9**	0.9%	1.8%
Bulgaria	4.4	4.6	4.5	4.4	4.2	4.4	3.3	3.6	3.4	3.5	**3.7**	6.9%	0.6%
Czech Republic	3.3	4.2	5.9	6.0	5.6	5.9	5.9	6.0	6.2	6.3	**6.4**	1.0%	1.1%
Denmark	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Finland	5.2	5.1	5.2	5.2	5.3	5.2	5.4	5.3	5.4	5.2	**5.3**	1.8%	0.9%
France	95.3	98.8	99.8	101.7	102.4	102.1	99.7	99.6	92.8	96.9	**100.0**	3.2%	16.7%
Germany	38.8	37.3	37.4	37.8	36.9	37.9	31.8	33.7	30.5	31.8	**24.4**	-23.2%	4.1%
Greece	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Hungary	3.2	3.2	2.5	2.7	3.1	3.0	3.3	3.4	3.5	3.6	**3.5**	-0.4%	0.6%
Republic of Ireland	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Italy	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Kazakhstan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Lithuania	2.6	3.2	3.5	3.4	2.3	2.0	2.2	2.2	2.5	–	**–**	–	–
Netherlands	0.9	0.9	0.9	0.9	0.9	0.8	1.0	0.9	1.0	0.9	**0.9**	4.3%	0.2%
Norway	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Poland	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Portugal	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Romania	1.2	1.2	1.1	1.3	1.3	1.3	1.7	2.5	2.7	2.6	**2.7**	1.1%	0.4%
Russian Federation	31.0	32.1	33.6	32.7	33.4	35.4	36.2	36.9	37.0	38.5	**39.2**	1.6%	6.5%
Slovakia	3.9	4.1	4.0	3.9	4.0	4.1	3.5	3.8	3.2	3.3	**3.4**	3.9%	0.6%
Spain	14.4	14.3	14.0	14.4	13.0	13.6	12.5	13.3	11.9	14.0	**13.0**	-7.0%	2.2%
Sweden	16.3	15.4	15.3	17.3	16.4	15.2	15.2	14.5	11.9	13.2	**13.8**	4.3%	2.3%
Switzerland	6.0	6.1	6.2	6.1	5.2	6.3	6.3	6.2	6.2	6.0	**6.1**	1.6%	1.0%
Turkey	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Turkmenistan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Ukraine	17.2	17.7	18.4	19.7	20.1	20.4	20.9	20.3	18.8	20.2	**20.4**	1.2%	3.4%
United Kingdom	20.4	19.9	20.1	18.1	18.5	17.1	14.3	11.9	15.6	14.1	**15.6**	11.1%	2.6%
Uzbekistan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other Europe & Eurasia	1.6	1.8	1.6	1.8	1.9	1.9	1.9	2.0	1.9	1.8	**2.0**	7.6%	0.3%
Total Europe & Eurasia	276.3	280.5	284.8	287.9	285.4	287.0	275.9	276.5	265.1	272.9	**271.5**	–0.5%	45.3%
Iran	–	–	–	–	–	–	–	–	–	–	†	–	◆
Israel	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other Middle East	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Total Middle East	–	–	–	–	–	–	–	–	–	–	**†**	–	◆
Algeria	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	**–**	–	–
South Africa	2.6	2.9	3.0	3.4	2.9	2.7	2.8	2.7	3.1	3.1	**2.9**	-5.5%	0.5%
Other Africa	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Total Africa	2.6	2.9	3.0	3.4	2.9	2.7	2.8	2.7	3.1	3.1	**2.9**	–5.5%	0.5%
Australia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Bangladesh	–	–	–	–	–	–	–	–	–	–	**–**	–	–
China	4.0	5.7	9.8	11.4	12.0	12.4	14.1	15.5	15.9	16.7	**19.5**	16.9%	3.3%
China Hong Kong SAR	–	–	–	–	–	–	–	–	–	–	**–**	–	–
India	4.3	4.4	4.1	3.8	4.0	4.0	4.0	3.4	3.8	5.2	**7.3**	39.6%	1.2%
Indonesia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Japan	72.7	71.3	52.1	64.7	66.3	69.0	63.1	57.0	65.0	66.2	**36.9**	-44.3%	6.2%
Malaysia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
New Zealand	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Pakistan	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.4	0.6	0.6	**0.8**	39.6%	0.1%
Philippines	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Singapore	–	–	–	–	–	–	–	–	–	–	**–**	–	–
South Korea	25.4	27.0	29.3	29.6	33.2	33.7	32.3	34.2	33.4	33.6	**34.0**	1.1%	5.7%
Taiwan	8.0	8.9	8.8	8.9	9.0	9.0	9.2	9.2	9.4	9.4	**9.5**	1.2%	1.6%
Thailand	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Vietnam	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other Asia Pacific	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Total Asia Pacific	114.8	117.7	104.6	119.0	125.2	128.7	123.3	119.7	128.2	131.7	**108.0**	-18.0%	18.0%
Total World	**600.8**	**610.5**	**598.3**	**624.9**	**626.7**	**635.2**	**621.8**	**619.0**	**614.1**	**626.3**	**599.3**	**-4.3%**	**100.0%**
of which: OECD	519.8	524.5	505.7	530.4	532.4	537.6	521.8	516.8	511.6	521.1	**487.8**	-6.4%	81.4%
Non-OECD	81.0	86.0	92.6	94.6	94.3	97.6	100.1	102.2	102.5	105.2	**111.5**	6.0%	18.6%
European Union	221.6	224.2	226.0	228.9	226.0	224.3	211.9	212.5	202.5	207.6	**205.3**	-1.1%	34.3%
Former Soviet Union	51.2	53.4	56.0	56.4	56.4	58.4	60.0	60.0	58.8	59.3	**60.2**	1.5%	10.0%

*Based on gross generation and not accounting for cross-border electricity supply. Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.
†Less than 0.05.
◆Less than 0.05%.
Note: Nuclear energy data expressed in terawatt-hours is available at *bp.com/statisticalreview*.

Hydroelectricity

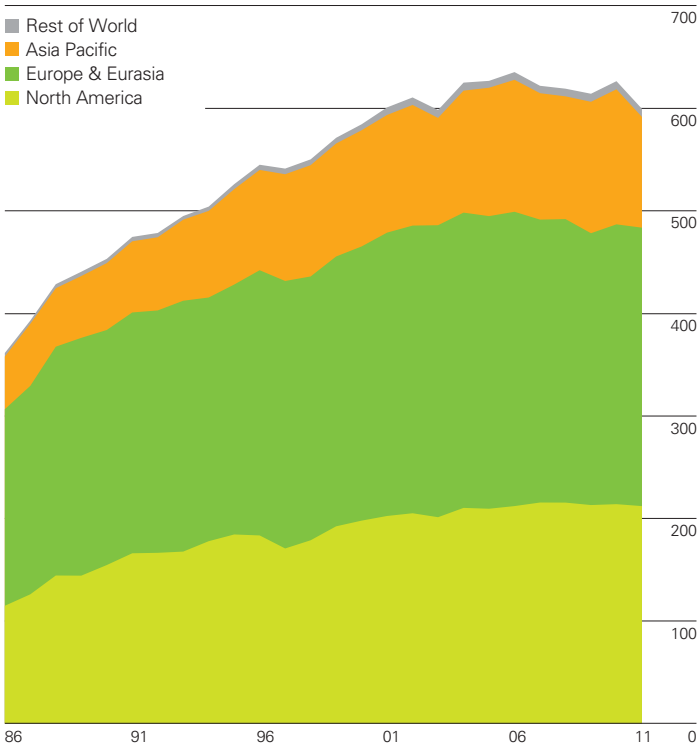
Consumption*

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	49.6	60.4	63.0	61.3	61.8	66.1	56.6	58.2	62.5	59.5	**74.3**	24.9%	9.4%
Canada	75.0	79.1	76.1	76.6	82.1	80.2	83.6	85.2	82.9	79.4	**85.2**	7.3%	10.8%
Mexico	6.4	5.6	4.5	5.7	6.2	6.9	6.1	8.8	6.0	8.3	**8.1**	-2.6%	1.0%
Total North America	131.1	145.1	143.6	143.6	150.1	153.2	146.3	152.2	151.4	147.2	**167.6**	13.9%	21.2%
Argentina	9.5	9.4	8.8	8.0	9.0	9.8	8.5	8.4	9.2	9.2	**9.0**	-2.2%	1.1%
Brazil	60.6	64.7	69.2	72.6	76.4	78.9	84.6	83.6	88.5	91.2	**97.2**	6.5%	12.3%
Chile	4.9	5.2	5.2	4.9	6.0	6.6	5.2	5.4	5.6	4.9	**4.7**	-4.1%	0.6%
Colombia	7.1	7.6	8.1	9.0	9.0	9.7	10.1	10.4	9.3	9.1	**10.9**	19.7%	1.4%
Ecuador	1.6	1.7	1.6	1.7	1.6	1.6	2.0	2.6	2.1	2.0	**2.2**	11.6%	0.3%
Peru	4.0	4.1	4.2	4.0	4.1	4.4	4.4	4.3	4.5	4.5	**4.9**	7.8%	0.6%
Trinidad & Tobago	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Venezuela	13.7	13.5	13.7	15.9	17.5	18.5	18.8	19.6	19.5	17.4	**18.9**	9.0%	2.4%
Other S. & Cent. America	16.9	17.8	18.2	17.8	18.3	18.5	19.3	19.3	19.1	20.3	**20.4**	0.5%	2.6%
Total S. & Cent. America	118.3	124.1	129.0	133.8	141.7	148.0	153.0	153.8	157.7	158.6	**168.2**	6.0%	21.3%
Austria	9.5	9.0	8.1	7.7	7.7	7.2	7.7	8.3	8.9	7.7	**6.9**	-10.8%	0.9%
Azerbaijan	0.3	0.5	0.6	0.6	0.7	0.6	0.5	0.5	0.5	0.8	**0.6**	22.4%	0.1%
Belarus	†	†	†	†	†	†	†	†	†	†	**†**	-15.5%	◆
Belgium	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**†**	-36.1%	◆
Bulgaria	0.2	0.5	0.7	0.7	1.0	0.9	0.6	0.6	0.8	1.3	**0.6**	-49.3%	0.1%
Czech Republic	0.6	0.6	0.4	0.6	0.7	0.7	0.6	0.5	0.7	0.8	**0.6**	-18.0%	0.1%
Denmark	†	†	†	†	†	†	†	†	†	†	**†**	-19.7%	◆
Finland	3.1	2.4	2.1	3.4	3.1	2.6	3.2	3.9	2.9	2.9	**2.8**	-3.4%	0.4%
France	17.0	13.9	13.5	13.5	11.8	12.7	13.2	13.7	13.0	14.2	**10.3**	-27.5%	1.3%
Germany	5.3	5.4	4.3	4.7	4.6	4.4	4.6	4.5	4.2	4.8	**4.4**	-7.1%	0.6%
Greece	0.6	0.8	1.2	1.2	1.3	1.5	0.8	0.9	1.3	1.7	**1.0**	-42.9%	0.1%
Hungary	†	†	†	†	†	†	†	†	0.1	†	**0.1**	21.8%	◆
Republic of Ireland	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	**0.2**	17.3%	◆
Italy	10.6	8.9	8.3	9.6	8.2	8.4	7.4	9.4	11.1	11.5	**10.1**	-12.1%	1.3%
Kazakhstan	1.8	2.0	2.0	1.8	1.8	1.8	1.8	1.7	1.6	1.8	**1.8**	-1.3%	0.2%
Lithuania	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	**0.2**	-19.3%	◆
Netherlands	†	†	†	†	†	†	†	†	†	†	**†**	-45.7%	◆
Norway	27.4	29.4	24.0	24.7	30.9	27.1	30.6	31.8	28.8	26.7	**27.6**	3.5%	3.5%
Poland	1.0	0.9	0.7	0.8	0.9	0.7	0.7	0.6	0.7	0.8	**0.6**	-20.8%	0.1%
Portugal	3.3	1.9	3.6	2.3	1.2	2.6	2.3	1.7	2.0	3.8	**2.8**	-27.9%	0.3%
Romania	3.4	3.6	3.0	3.7	4.6	4.2	3.6	3.9	3.6	4.5	**3.4**	-24.4%	0.4%
Russian Federation	39.8	37.1	35.7	40.2	39.5	39.6	40.5	37.7	39.9	38.1	**37.3**	-2.1%	4.7%
Slovakia	1.2	1.2	0.8	1.0	1.1	1.0	1.0	1.0	1.0	1.3	**0.9**	-28.3%	0.1%
Spain	9.3	5.2	9.3	7.2	4.0	5.8	6.2	5.3	6.0	9.6	**6.9**	-27.6%	0.9%
Sweden	17.9	15.0	12.1	13.7	16.5	14.0	15.0	15.7	14.9	15.1	**15.0**	-0.6%	1.9%
Switzerland	9.4	8.0	7.9	7.6	7.1	7.0	8.0	8.2	8.1	8.2	**7.4**	-9.7%	0.9%
Turkey	5.4	7.6	8.0	10.4	9.0	10.0	8.1	7.5	8.1	11.7	**11.8**	1.1%	1.5%
Turkmenistan	†	†	†	†	†	†	†	†	†	†	**†**	–	◆
Ukraine	2.8	2.2	2.1	2.7	2.8	2.9	2.3	2.6	2.7	2.9	**2.4**	-16.8%	0.3%
United Kingdom	0.9	1.1	0.7	1.1	1.1	1.0	1.2	1.2	1.2	0.8	**1.3**	58.0%	0.2%
Uzbekistan	1.2	1.6	1.7	1.6	1.4	1.4	1.4	2.6	2.1	2.3	**2.3**	1.4%	0.3%
Other Europe & Eurasia	17.0	16.8	17.7	18.9	19.1	18.3	17.4	18.1	19.7	22.7	**19.7**	-13.2%	2.5%
Total Europe & Eurasia	189.2	176.3	169.1	180.3	180.1	177.0	179.3	182.5	184.3	196.4	**179.1**	-8.8%	22.6%
Iran	0.9	1.8	2.2	2.7	3.0	4.2	4.1	1.7	1.5	2.2	**2.7**	25.3%	0.3%
Israel	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other Middle East	1.0	1.1	1.0	1.3	2.4	2.5	2.2	1.5	1.3	1.9	**2.3**	16.9%	0.3%
Total Middle East	1.9	2.9	3.2	4.0	5.3	6.6	6.3	3.2	2.8	4.1	**5.0**	21.3%	0.6%
Algeria	†	†	0.1	0.1	0.1	†	0.1	0.1	0.1	†	**0.1**	118.5%	◆
Egypt	3.3	3.2	2.9	2.9	2.9	2.9	3.5	3.3	2.9	2.9	**3.1**	5.8%	0.4%
South Africa	0.5	0.5	0.2	0.2	0.2	0.3	0.6	0.2	0.2	0.3	**0.4**	53.8%	0.1%
Other Africa	14.0	15.2	15.4	16.6	17.2	17.3	17.5	17.9	19.0	19.7	**19.8**	0.5%	2.5%
Total Africa	17.8	18.9	18.6	19.7	20.4	20.5	21.7	21.5	22.2	23.0	**23.5**	2.1%	3.0%
Australia	3.6	3.6	3.7	3.6	3.6	3.6	3.3	2.7	2.8	2.8	**2.4**	-15.6%	0.3%
Bangladesh	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	**0.3**	1.8%	◆
China	62.8	65.2	64.2	80.0	89.8	98.6	109.8	132.4	139.3	163.4	**157.0**	-3.9%	19.8%
China Hong Kong SAR	–	–	–	–	–	–	–	–	–	–	**–**	–	–
India	16.3	15.5	15.7	19.0	22.0	25.4	27.7	26.0	24.0	25.0	**29.8**	18.9%	3.8%
Indonesia	2.6	2.3	2.1	2.2	2.4	2.2	2.6	2.6	2.6	4.0	**3.5**	-12.8%	0.4%
Japan	18.6	18.9	21.1	21.1	17.9	20.4	17.5	17.5	16.4	20.6	**19.2**	-6.7%	2.4%
Malaysia	1.5	1.2	1.3	1.3	1.2	1.6	1.5	2.0	1.6	1.6	**1.7**	6.3%	0.2%
New Zealand	4.9	5.6	5.3	6.1	5.3	5.3	5.3	5.1	5.5	5.6	**5.7**	1.5%	0.7%
Pakistan	4.1	4.6	5.8	5.5	6.9	6.8	7.1	6.1	6.4	6.7	**6.9**	3.9%	0.9%
Philippines	1.6	1.6	1.8	1.9	1.9	2.2	1.9	2.2	2.2	1.8	**2.1**	21.0%	0.3%
Singapore	–	–	–	–	–	–	–	–	–	–	**–**	–	–
South Korea	0.5	0.7	1.1	1.0	0.8	0.8	0.8	0.7	0.6	0.8	**1.2**	40.9%	0.1%
Taiwan	1.1	0.6	0.7	0.7	0.9	0.9	1.0	0.9	0.8	0.9	**0.9**	-4.6%	0.1%
Thailand	1.4	1.7	1.7	1.4	1.3	1.8	1.8	1.6	1.6	1.3	**1.8**	47.5%	0.2%
Vietnam	4.2	4.1	4.3	4.3	3.7	4.5	5.1	5.9	6.8	6.3	**6.7**	7.9%	0.9%
Other Asia Pacific	5.5	5.5	6.0	6.1	6.5	7.4	8.0	8.5	8.1	8.6	**8.8**	2.3%	1.1%
Total Asia Pacific	128.9	131.4	135.0	154.3	164.6	181.9	193.8	214.6	219.0	249.7	**248.1**	-0.6%	31.3%
Total World	**587.2**	**598.6**	**598.4**	**635.8**	**662.3**	**687.2**	**700.4**	**727.7**	**737.5**	**778.9**	**791.5**	**1.6%**	**100.0%**
of which: OECD	288.5	293.3	287.8	292.7	295.2	299.4	292.0	301.9	299.5	307.6	**315.1**	2.5%	39.8%
Non-OECD	298.7	305.3	310.6	343.1	367.1	387.8	408.4	425.8	438.0	471.4	**476.4**	1.1%	60.2%
European Union	85.7	72.4	70.7	73.4	69.5	69.6	70.0	73.4	74.8	83.1	**69.6**	-16.2%	8.8%
Former Soviet Union	54.2	52.0	51.3	56.3	55.9	55.6	56.5	54.1	55.7	55.9	**54.6**	-2.4%	6.9%

*Based on gross primary hydroelectric generation and not accounting for cross-border electricity supply. Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.
†Less than 0.05.
◆Less than 0.05%.
Note: Hydroelectricity data expressed in terawatt-hours is available at *bp.com/statisticalreview*.

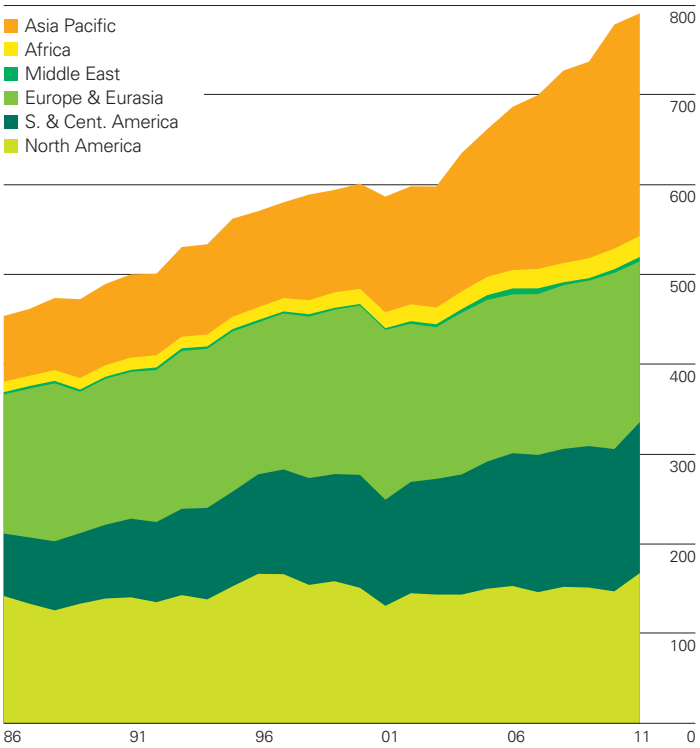
Nuclear energy consumption by region

Million tonnes oil equivalent



Hydroelectricity consumption by region

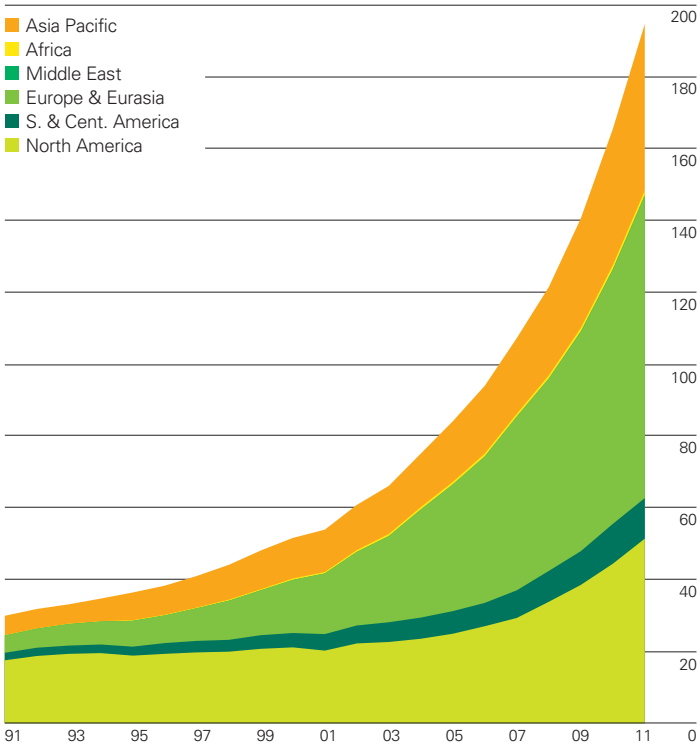
Million tonnes oil equivalent



World nuclear power generation declined by 4.3%, the largest decline on record. Japanese nuclear output fell by 44.3%, and German output fell by 23.2%. Global hydroelectric output grew by a below-average 1.6%. Strong growth in North America (+13.9%) was offset by drought-related declines in Europe & Eurasia and Asia Pacific.

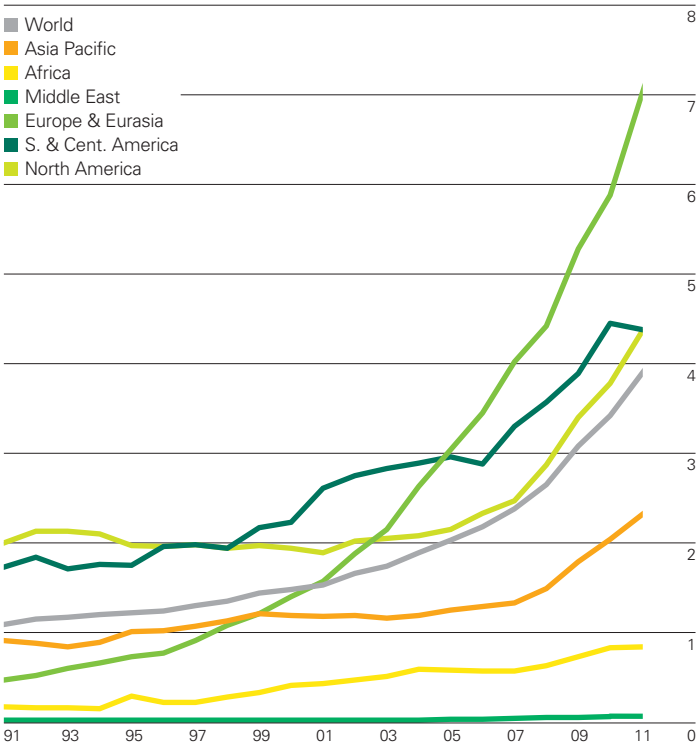
Other renewables consumption by region

Million tonnes oil equivalent



Other renewables share of power generation by region

Percentage



Renewable energy in power generation grew by an above-average 17.7%. Wind generation (+25.8%) accounted for more than half of renewable power generation for the first time. Renewables accounted for 3.9% of global power generation, with the highest share in Europe & Eurasia (7.1%).

Renewable energy

Other renewables consumption*

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	**2011**	Change 2011 over 2010	2011 share of total
US	16.8	18.7	18.8	19.6	20.6	22.7	24.7	29.5	33.6	38.9	**45.3**	16.4%	23.2%
Canada	2.0	2.2	2.2	2.2	2.4	2.5	2.6	2.5	3.0	3.8	**4.4**	16.1%	2.2%
Mexico	1.4	1.3	1.6	1.7	1.8	1.7	1.9	1.8	1.8	1.7	**1.8**	1.1%	0.9%
Total North America	20.2	22.2	22.6	23.5	24.9	27.0	29.3	33.8	38.5	44.4	**51.4**	15.8%	26.4%
Argentina	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	**0.4**	9.6%	0.2%
Brazil	2.8	3.1	3.5	3.7	4.2	4.3	5.0	5.5	5.9	7.3	**7.5**	2.0%	3.8%
Chile	0.5	0.4	0.3	0.5	0.4	0.3	0.6	0.7	1.0	1.0	**1.0**	♦	0.5%
Colombia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	**0.2**	–	0.1%
Ecuador	–	–	–	†	†	†	†	†	†	0.1	**0.1**	-0.9%	♦
Peru	†	†	†	†	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	–	0.1%
Trinidad & Tobago	†	†	†	†	†	†	†	†	†	†	**†**	–	♦
Venezuela	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other S. & Cent. America	1.1	1.1	1.2	1.3	1.2	1.3	1.4	1.7	1.8	2.0	**2.0**	3.0%	1.0%
Total S. & Cent. America	4.6	5.0	5.5	5.9	6.3	6.5	7.7	8.6	9.4	11.1	**11.3**	2.2%	5.8%
Austria	0.4	0.4	0.5	0.7	0.9	1.2	1.4	1.4	1.4	1.5	**1.6**	8.2%	0.8%
Azerbaijan	–	–	–	–	–	–	–	–	†	†	**†**	195.8%	♦
Belarus	–	–	–	†	†	†	†	†	†	†	**†**	–	♦
Belgium	0.4	0.4	0.4	0.5	0.6	0.8	0.9	1.1	1.5	1.6	**2.1**	27.0%	1.1%
Bulgaria	–	–	–	†	†	†	†	†	0.1	0.2	**0.3**	61.8%	0.1%
Czech Republic	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.7	**1.1**	60.9%	0.6%
Denmark	1.3	1.6	1.8	2.2	2.2	2.1	2.4	2.3	2.3	2.8	**3.4**	21.4%	1.8%
Finland	1.9	2.0	2.1	2.4	2.2	2.5	2.3	2.4	2.0	2.5	**2.6**	1.7%	1.3%
France	0.7	0.8	0.9	1.0	1.1	1.4	1.9	2.3	2.8	3.4	**4.3**	26.9%	2.2%
Germany	3.6	5.0	6.2	8.2	9.6	11.7	15.2	16.4	16.9	18.9	**23.2**	22.9%	11.9%
Greece	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.7	**0.9**	29.7%	0.5%
Hungary	†	†	†	0.2	0.4	0.3	0.3	0.5	0.6	0.6	**0.7**	3.4%	0.3%
Republic of Ireland	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	**1.1**	51.3%	0.5%
Italy	1.9	2.2	2.6	2.9	3.1	3.5	3.8	4.1	4.6	5.8	**7.7**	32.1%	4.0%
Kazakhstan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Lithuania	†	†	†	†	†	†	†	†	0.1	0.1	**0.1**	67.1%	0.1%
Netherlands	0.7	0.9	0.9	1.2	1.7	1.8	1.7	2.1	2.4	2.5	**2.7**	8.4%	1.4%
Norway	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	**0.4**	29.3%	0.2%
Poland	0.1	0.1	0.1	0.2	0.4	0.5	0.7	1.0	1.4	1.8	**2.2**	26.9%	1.2%
Portugal	0.4	0.5	0.5	0.6	0.8	1.1	1.4	1.8	2.3	2.8	**2.8**	2.1%	1.5%
Romania	–	†	†	†	†	†	†	†	†	0.1	**0.2**	226.5%	0.1%
Russian Federation	†	†	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	0.2%	0.1%
Slovakia	†	†	†	†	†	†	0.1	0.1	0.1	0.1	**0.1**	1.8%	0.1%
Spain	2.0	2.9	3.6	4.4	5.6	6.2	7.2	8.7	10.7	12.5	**12.7**	1.5%	6.5%
Sweden	1.0	1.1	1.3	2.0	2.1	2.3	2.7	3.0	3.1	3.5	**4.1**	16.8%	2.1%
Switzerland	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	**0.3**	5.4%	0.2%
Turkey	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.9	**1.3**	46.6%	0.7%
Turkmenistan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Ukraine	†	†	†	†	†	†	†	†	†	†	**†**	40.0%	♦
United Kingdom	1.2	1.4	1.7	2.1	2.7	3.1	3.3	3.7	4.5	5.0	**6.6**	32.3%	3.4%
Uzbekistan	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Other Europe & Eurasia	0.4	0.4	0.4	0.4	0.5	0.7	0.9	1.1	1.2	1.3	**1.4**	12.3%	0.7%
Total Europe & Eurasia	16.9	20.5	24.0	30.1	35.3	40.8	48.4	54.7	61.1	70.8	**84.3**	19.0%	43.3%
Iran	–	–	–	†	†	†	†	†	0.1	0.1	**0.1**	–	♦
Israel	†	†	†	†	†	†	†	†	†	†	**†**	133.7%	♦
Kuwait	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Qatar	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	**–**	–	–
United Arab Emirates	–	–	–	–	–	–	–	–	†	†	**†**	–	♦
Other Middle East	†	†	†	†	†	†	†	†	†	†	**†**	–	♦
Total Middle East	†	†	†	†	†	†	†	†	0.1	0.1	**0.1**	13.5%	♦
Algeria	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Egypt	†	†	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	**0.3**	1.2%	0.2%
South Africa	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	–	♦
Other Africa	0.3	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.9	**0.9**	0.5%	0.4%
Total Africa	0.4	0.5	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.2	**1.3**	0.7%	0.6%
Australia	0.3	0.3	0.4	0.4	0.5	0.7	0.9	1.2	1.5	1.8	**2.2**	23.5%	1.1%
Bangladesh	†	†	†	†	†	†	†	†	†	†	**†**	–	♦
China	0.7	0.7	0.8	0.9	1.0	1.4	1.8	3.6	6.9	11.9	**17.7**	48.4%	9.1%
China Hong Kong SAR	–	–	–	–	–	†	†	†	†	†	**†**	–	♦
India	0.9	1.0	1.2	1.9	2.3	3.3	4.0	4.8	6.3	7.6	**9.2**	20.6%	4.7%
Indonesia	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.9	2.1	2.1	**2.1**	–	1.1%
Japan	4.4	4.8	5.2	5.4	6.5	6.6	6.9	6.8	6.8	7.2	**7.4**	3.8%	3.8%
Malaysia	–	–	–	–	–	–	†	†	†	†	**†**	–	♦
New Zealand	0.8	0.8	0.7	0.8	1.0	1.0	1.1	1.3	1.6	1.8	**2.0**	6.8%	1.0%
Pakistan	–	–	–	–	–	–	–	–	†	†	**†**	–	♦
Philippines	2.3	2.3	2.1	2.3	2.2	2.4	2.3	2.4	2.4	2.3	**2.3**	1.3%	1.2%
Singapore	†	†	†	†	†	†	†	†	†	†	**†**	–	♦
South Korea	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.5	**0.6**	9.3%	0.3%
Taiwan	0.5	0.7	0.7	0.7	0.7	0.8	0.9	0.9	0.9	1.0	**1.2**	10.5%	0.6%
Thailand	0.4	0.5	0.7	0.8	0.9	0.9	1.1	1.2	1.3	1.4	**1.6**	10.5%	0.8%
Vietnam	–	–	–	–	–	–	–	†	†	†	**†**	60.0%	♦
Other Asia Pacific	†	†	†	†	0.1	0.1	0.1	0.1	0.1	0.1	**0.1**	–	0.1%
Total Asia Pacific	11.8	12.6	13.4	14.9	16.9	18.9	21.1	24.6	30.5	37.9	**46.4**	22.4%	23.8%
Total World	**54.0**	**60.9**	**66.1**	**75.1**	**84.1**	**93.9**	**107.3**	**122.7**	**140.6**	**165.5**	**194.8**	**17.7%**	**100.0%**
of which: OECD	43.0	49.1	53.2	60.7	68.5	76.4	87.2	98.6	110.6	127.0	**148.0**	16.5%	76.0%
Non–OECD	10.9	11.8	12.9	14.5	15.6	17.5	20.1	24.1	29.9	38.5	**46.8**	21.4%	24.0%
European Union	16.2	19.8	23.2	29.2	34.3	39.5	46.7	52.7	58.8	68.1	**80.9**	18.9%	41.5%
Former Soviet Union	†	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4	**0.4**	25.3%	0.2%

*Based on gross generation from renewable sources including wind, geothermal, solar, biomass and waste, and not accounting for cross-border electricity supply. Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.
†Less than 0.05.
♦Less than 0.05%.
Note: Other renewables data expressed in terawatt-hours is available at *bp.com/statisticalreview*.

Biofuels production

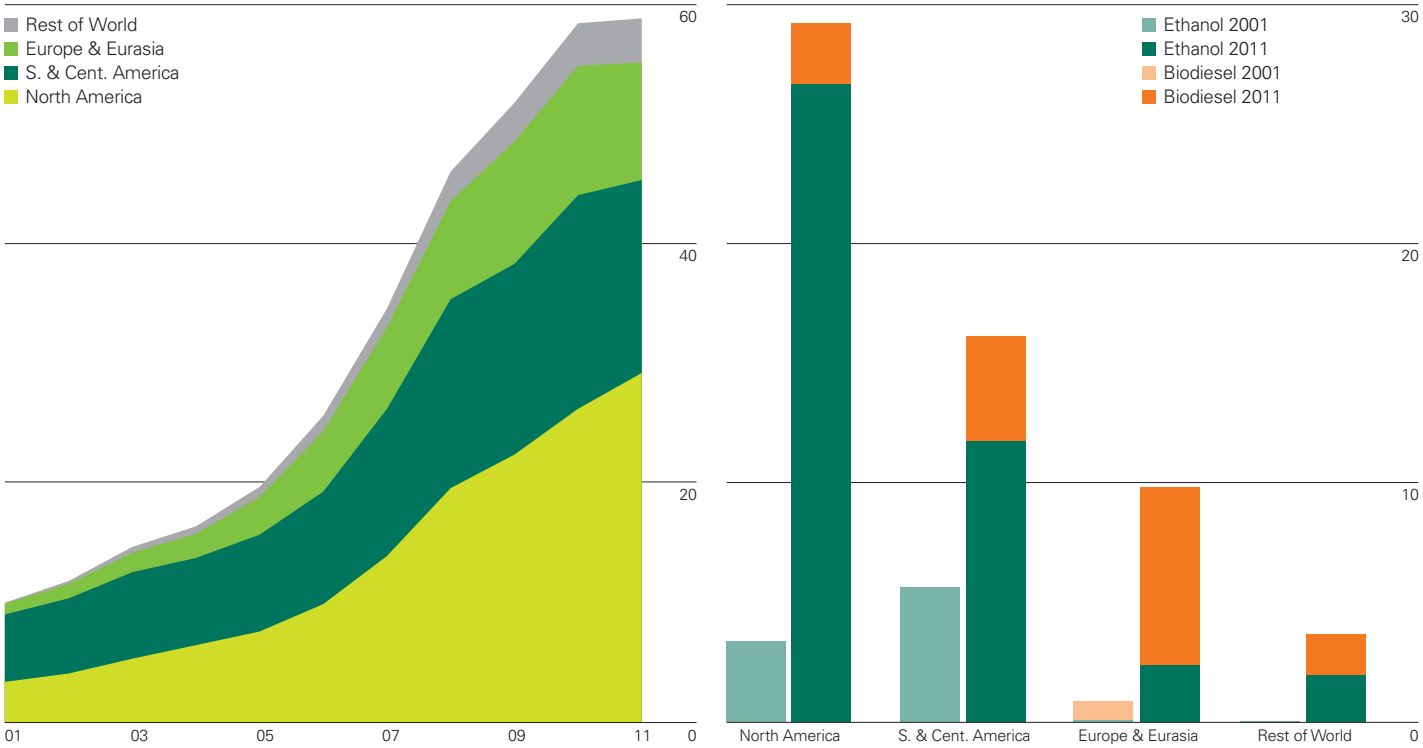
Thousand tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	3288	3987	5226	6357	7478	9746	13456	19096	21670	25467	**28251**	10.9%	48.0%
Canada	111	113	113	113	133	160	461	500	721	746	**961**	28.8%	1.6%
Total North America	3399	4100	5339	6470	7612	9906	13922	19600	22395	26226	**29224**	11.4%	49.6%
Argentina	9	9	9	9	9	29	228	632	1048	1656	**2233**	34.8%	3.8%
Brazil	5600	6149	7068	7135	7835	8729	11323	14132	13962	15575	**13196**	-15.3%	22.4%
Colombia	–	–	–	–	14	131	141	239	326	318	**387**	21.7%	0.7%
Other S. & Cent. America	29	123	151	148	235	515	610	785	606	314	**314**	–	0.5%
Total S. & Cent. America	5638	6280	7227	7291	8093	9405	12303	15788	15942	17863	**16129**	-9.7%	27.4%
Austria	18	22	26	48	70	105	220	263	354	375	**434**	16.0%	0.7%
Belgium	–	–	–	–	1	21	140	278	473	462	**503**	9.0%	0.9%
France	315	337	368	385	439	665	1121	2012	2312	2008	**1720**	-14.4%	2.9%
Germany	237	385	613	887	1525	2488	3181	2727	2728	2888	**2839**	-1.7%	4.8%
Italy	123	180	232	272	340	585	443	617	758	670	**456**	-31.9%	0.8%
Netherlands	–	–	–	6	3	22	80	77	241	385	**470**	22.1%	0.8%
Poland	–	–	28	6	109	144	96	279	393	421	**386**	-8.3%	0.7%
Portugal	–	–	–	–	1	70	153	145	202	275	**246**	-10.5%	0.4%
Spain	70	122	173	210	282	251	352	358	958	1267	**777**	-38.7%	1.3%
Finland	–	–	–	1	6	11	51	96	267	363	**363**	–	0.6%
Sweden	14	31	32	43	48	81	139	171	238	214	**212**	-1.1%	0.4%
United Kingdom	–	3	9	9	39	219	359	275	180	304	**293**	-3.7%	0.5%
Other Europe & Eurasia	113	126	138	164	293	389	485	898	1139	1178	**1136**	-3.6%	1.9%
Total Europe & Eurasia	889	1206	1619	2031	3157	5052	6820	8196	10243	10811	**9837**	-9.0%	16.7%
Total Middle East	–	–	–	–	–	–	–	–	–	–	**–**	–	–
Total Africa	6	6	6	6	6	6	6	10	14	29	**29**	–	◆
Australia	–	–	–	4	20	54	70	110	174	246	**284**	15.5%	0.5%
China	4	146	396	492	622	846	901	1094	1124	1124	**1149**	2.2%	2.0%
India	85	91	94	99	114	134	136	161	201	177	**286**	61.8%	0.5%
Malaysia	–	–	–	–	–	48	110	197	197	103	**97**	-6.0%	0.2%
South Korea	–	1	2	4	9	39	74	140	343	491	**202**	-58.8%	0.3%
Thailand	–	–	–	3	52	80	138	495	618	661	**915**	38.4%	1.6%
Other Asia Pacific	–	–	–	–	18	78	133	270	549	726	**716**	-1.3%	1.2%
Total Asia Pacific	89	238	491	603	834	1280	1563	2468	3207	3528	**3649**	3.4%	6.2%
Total World	**10021**	**11830**	**14682**	**16401**	**19701**	**25648**	**34613**	**46063**	**51802**	**58457**	**58868**	**0.7%**	**100.0%**
of which: OECD	4288	5307	6960	8499	10779	15015	20775	27818	32833	37465	**39210**	4.7%	66.6%
Non-OECD	5733	6523	7722	7902	8922	10633	13839	18244	18968	20992	**19659**	-6.4%	33.4%
European Union	889	1206	1619	2022	3133	5001	6743	8050	10059	10667	**9693**	-9.1%	16.5%
Former Soviet Union	–	–	–	11	22	28	50	129	210	179	**197**	10.1%	0.3%

◆Less than 0.05%.
Note: Consumption of fuel ethanol and biodiesel is included in oil consumption.

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

World biofuels production

Million tonnes oil equivalent



World biofuels production grew by 0.7% in 2011, the smallest increase since 2000. Increased output in North America was offset by declines in South & Central America and Europe. Biodiesel accounts for just 27.5% of global biofuels output, but accounted for all of the growth in global biofuels output. Global ethanol output declined by 1.4%.

① Primary energy

Consumption*

Million tonnes oil equivalent	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Change 2011 over 2010	2011 share of total
US	2259.7	2295.5	2302.3	2348.8	2351.2	2332.7	2372.7	2320.2	2205.9	2277.9	**2269.3**	-0.4%	18.5%
Canada	298.2	303.1	305.9	313.8	326.8	321.7	327.5	327.7	314.0	315.7	**330.3**	4.6%	2.7%
Mexico	140.9	140.7	147.7	155.1	161.1	164.6	168.4	170.8	166.6	170.4	**173.7**	2.0%	1.4%
Total North America	2698.8	2739.3	2756.0	2817.7	2839.2	2819.0	2868.6	2818.7	2686.5	2763.9	**2773.3**	0.3%	22.6%
Argentina	59.4	56.7	61.1	64.4	68.8	71.4	74.4	76.2	75.1	77.1	**81.9**	6.2%	0.7%
Brazil	182.3	186.2	190.3	200.1	207.0	212.6	225.6	235.9	234.3	258.0	**266.9**	3.5%	2.2%
Chile	24.8	25.1	25.6	27.2	28.4	29.6	29.9	29.3	28.8	29.2	**30.9**	6.2%	0.3%
Colombia	25.6	25.5	26.2	27.1	28.3	29.3	30.0	30.9	31.3	32.8	**35.1**	6.9%	0.3%
Ecuador	8.2	8.7	8.9	9.2	9.8	10.7	11.0	11.7	11.5	12.7	**13.2**	3.9%	0.1%
Peru	11.8	12.1	12.0	12.8	13.4	13.6	14.9	16.2	16.6	18.8	**20.7**	10.2%	0.2%
Trinidad & Tobago	11.8	12.7	14.1	13.2	14.8	19.6	19.9	21.6	20.5	22.1	**21.5**	-2.8%	0.2%
Venezuela	69.2	69.4	61.4	68.6	71.0	77.1	77.4	81.3	81.8	85.4	**89.1**	4.4%	0.7%
Other S. & Cent. America	75.4	76.8	79.5	79.8	80.3	82.4	85.3	84.1	82.6	83.1	**83.3**	0.3%	0.7%
Total S. & Cent. America	468.4	473.2	479.0	502.5	521.8	546.3	568.4	587.3	582.6	619.0	**642.5**	3.8%	5.2%
Austria	33.5	33.2	34.6	34.0	34.6	34.0	33.4	34.4	33.8	33.8	**32.0**	-5.4%	0.3%
Azerbaijan	11.1	10.9	11.8	12.6	13.8	13.6	12.3	12.3	10.9	10.7	**11.5**	8.0%	0.1%
Belarus	21.5	21.7	21.3	23.4	23.8	25.3	24.4	25.7	24.0	25.1	**25.5**	1.6%	0.2%
Belgium	61.9	62.3	65.2	64.9	64.5	64.7	65.0	67.1	62.7	66.3	**63.3**	-4.5%	0.5%
Bulgaria	18.7	18.1	19.2	18.9	19.4	19.8	19.2	19.3	16.9	17.8	**19.2**	8.0%	0.2%
Czech Republic	41.6	41.6	43.7	45.3	45.4	46.1	45.5	44.5	41.8	43.4	**44.0**	1.2%	0.4%
Denmark	20.0	19.9	21.4	20.5	19.8	21.9	20.9	20.1	18.8	19.6	**18.7**	-4.3%	0.2%
Finland	28.2	28.2	30.4	30.4	28.1	29.4	29.4	28.7	26.7	28.9	**27.7**	-4.2%	0.2%
France	258.4	255.4	259.3	263.6	261.2	259.2	256.7	257.8	244.0	251.8	**242.9**	-3.5%	2.0%
Germany	338.8	334.0	337.1	337.3	333.2	339.5	324.4	326.7	307.5	322.4	**306.4**	-5.0%	2.5%
Greece	32.1	33.0	32.7	34.2	33.9	34.9	34.9	34.5	33.1	31.7	**30.5**	-3.9%	0.2%
Hungary	24.1	23.4	23.9	24.0	25.7	25.4	25.0	24.8	22.8	23.4	**22.6**	-3.3%	0.2%
Republic of Ireland	14.7	14.5	14.2	14.6	15.1	15.5	15.9	15.7	14.4	14.4	**13.6**	-6.1%	0.1%
Italy	176.9	175.4	181.0	184.6	185.1	184.6	181.8	180.4	168.1	173.1	**168.5**	-2.6%	1.4%
Kazakhstan	39.3	40.9	44.6	44.6	47.2	50.7	52.4	53.5	50.2	50.2	**50.5**	0.5%	0.4%
Lithuania	8.1	8.6	9.1	9.2	8.4	8.1	8.7	8.7	8.0	6.1	**6.4**	4.7%	0.1%
Netherlands	90.7	91.1	91.9	95.0	97.2	97.3	98.5	97.4	95.7	100.5	**95.8**	-4.7%	0.8%
Norway	42.0	43.6	39.2	39.9	46.0	42.4	46.1	47.1	43.9	42.1	**43.4**	3.2%	0.4%
Poland	88.9	87.7	90.1	91.7	91.5	94.9	95.8	96.3	92.3	99.6	**102.8**	3.2%	0.8%
Portugal	25.4	25.5	25.8	25.4	25.6	25.5	25.4	24.1	24.6	25.5	**24.4**	-4.5%	0.2%
Romania	37.3	38.6	37.8	39.0	39.8	40.6	37.5	38.5	34.0	34.1	**34.8**	2.1%	0.3%
Russian Federation	623.3	625.8	644.9	651.4	650.7	670.3	673.8	679.3	644.4	668.7	**685.6**	2.5%	5.6%
Slovakia	18.6	18.7	18.1	17.6	18.8	17.8	17.2	17.7	16.0	17.0	**17.1**	0.4%	0.1%
Spain	135.3	137.5	145.3	151.3	153.8	155.2	159.8	155.6	145.2	149.2	**145.9**	-2.2%	1.2%
Sweden	54.1	50.8	48.5	52.3	54.0	51.0	52.0	51.7	47.2	50.7	**50.5**	-0.4%	0.4%
Switzerland	31.3	29.3	29.1	28.8	27.7	28.9	28.6	29.7	29.7	29.0	**27.6**	-4.9%	0.2%
Turkey	68.1	73.1	78.1	82.9	86.0	96.2	103.1	102.7	102.8	108.8	**118.8**	9.2%	1.0%
Turkmenistan	15.0	15.4	17.2	17.8	18.8	20.7	23.8	23.6	22.6	25.1	**27.4**	9.1%	0.2%
Ukraine	135.1	133.0	136.6	137.5	136.1	137.5	135.4	131.9	112.2	120.9	**126.4**	4.6%	1.0%
United Kingdom	226.6	221.7	225.4	227.3	228.2	225.5	218.3	214.8	203.7	209.0	**198.2**	-5.2%	1.6%
Uzbekistan	53.6	55.0	50.6	48.5	46.0	45.9	48.7	52.3	46.9	48.9	**52.2**	6.8%	0.4%
Other Europe & Eurasia	78.0	80.6	84.6	89.4	89.7	87.2	88.8	89.7	86.2	90.8	**89.1**	-1.8%	0.7%
Total Europe & Eurasia	2852.1	2848.7	2912.7	2958.1	2969.0	3009.4	3002.6	3006.5	2831.0	2938.7	**2923.4**	-0.5%	23.8%
Iran	130.9	144.1	152.0	158.4	179.2	189.3	195.1	200.9	212.6	223.0	**228.6**	2.5%	1.9%
Israel	19.7	20.1	20.7	21.0	21.6	21.8	22.9	23.8	23.3	23.7	**23.5**	-0.7%	0.2%
Kuwait	21.6	21.7	25.5	28.5	30.5	29.0	28.8	29.2	28.4	32.1	**33.6**	4.8%	0.3%
Qatar	12.3	13.0	14.1	17.0	20.8	22.3	22.8	23.6	24.2	25.7	**29.4**	14.1%	0.2%
Saudi Arabia	123.0	127.6	135.8	147.4	151.6	157.8	164.4	178.5	186.0	202.1	**217.1**	7.4%	1.8%
United Arab Emirates	53.7	53.1	56.5	60.4	62.6	65.6	72.7	83.1	80.6	83.6	**87.2**	4.2%	0.7%
Other Middle East	83.9	85.3	81.7	90.0	96.1	101.6	104.8	113.1	116.3	126.3	**128.1**	1.5%	1.0%
Total Middle East	445.1	464.9	486.3	522.6	562.5	587.4	611.6	652.3	671.5	716.5	**747.5**	4.3%	6.1%
Algeria	27.7	28.6	30.0	31.1	32.6	33.5	35.4	37.5	39.6	38.6	**40.9**	6.2%	0.3%
Egypt	52.6	53.6	57.0	59.6	62.5	65.8	69.9	74.1	77.0	81.0	**82.6**	2.0%	0.7%
South Africa	100.1	103.4	109.5	115.7	113.5	115.4	121.9	126.8	121.0	124.4	**126.3**	1.5%	1.0%
Other Africa	99.6	102.4	105.2	114.3	118.3	116.6	122.6	129.7	128.0	138.2	**134.7**	-2.6%	1.1%
Total Africa	280.1	288.0	301.8	320.7	327.0	331.2	349.8	368.0	365.7	382.2	**384.5**	0.6%	3.1%
Australia	110.0	113.1	111.9	114.3	117.8	123.8	124.0	124.0	123.7	115.0	**123.3**	7.2%	1.0%
Bangladesh	14.1	14.8	15.6	16.1	17.6	18.5	19.6	20.8	22.5	24.1	**24.3**	0.6%	0.2%
China	1041.4	1105.8	1277.3	1512.5	1659.0	1831.9	1951.0	2041.7	2210.3	2402.9	**2613.2**	8.8%	21.3%
China Hong Kong SAR	19.4	20.8	21.2	24.3	22.9	24.7	26.2	24.5	27.0	27.7	**28.6**	3.0%	0.2%
India	297.4	308.8	317.4	345.8	364.5	382.1	415.5	445.9	487.6	520.5	**559.1**	7.4%	4.6%
Indonesia	102.8	107.5	116.4	115.4	118.8	121.5	129.4	123.3	133.6	148.8	**148.2**	-0.4%	1.2%
Japan	512.8	510.3	511.0	522.4	527.1	527.6	522.9	515.3	474.0	503.0	**477.6**	-5.0%	3.9%
Malaysia	49.1	52.2	54.6	54.5	60.1	63.7	67.7	69.2	69.0	70.7	**69.2**	-2.1%	0.6%
New Zealand	18.5	19.3	18.7	19.4	18.8	19.0	19.0	19.1	19.1	19.7	**19.4**	-1.3%	0.2%
Pakistan	45.5	47.4	52.4	56.8	58.9	61.8	65.1	64.8	66.9	67.9	**67.6**	-0.4%	0.6%
Philippines	25.1	25.8	26.5	27.4	27.6	25.9	27.1	27.0	27.3	26.7	**27.7**	3.5%	0.2%
Singapore	37.2	38.7	37.6	42.7	48.5	51.5	56.8	59.5	63.4	68.1	**70.4**	3.4%	0.6%
South Korea	193.9	203.1	209.8	213.8	220.8	222.9	231.9	236.4	237.4	255.6	**263.0**	2.9%	2.1%
Taiwan	91.0	95.2	99.6	105.0	107.3	108.9	113.9	106.8	104.4	110.6	**109.9**	-0.6%	0.9%
Thailand	69.1	74.2	79.1	84.6	88.9	90.5	94.5	95.9	98.3	104.3	**106.0**	1.6%	0.9%
Vietnam	19.9	21.4	22.5	28.7	29.8	32.3	34.9	36.7	42.1	43.7	**45.9**	5.0%	0.4%
Other Asia Pacific	42.2	41.3	43.0	44.3	46.8	48.7	47.3	48.8	47.7	48.2	**49.9**	3.5%	0.4%
Total Asia Pacific	2689.5	2799.8	3014.5	3328.0	3535.0	3755.2	3946.7	4059.9	4254.1	4557.6	**4803.3**	5.4%	39.1%
Total World	**9434.0**	**9613.9**	**9950.2**	**10449.6**	**10754.5**	**11048.4**	**11347.6**	**11492.8**	**11391.3**	**11977.8**	**12274.6**	**2.5%**	**100.0%**
of which: OECD	5407.4	5448.4	5507.0	5621.8	5668.9	5673.7	5718.4	5660.9	5388.6	5572.4	**5527.7**	-0.8%	45.0%
Non-OECD	4026.6	4165.4	4443.1	4827.8	5085.5	5374.8	5629.2	5831.8	6002.7	6405.3	**6746.9**	5.3%	55.0%
European Union	1756.4	1742.2	1778.5	1806.7	1808.7	1816.0	1791.3	1785.2	1682.0	1744.8	**1690.7**	-3.1%	13.8%
Former Soviet Union	931.3	935.3	961.8	972.0	973.1	1000.0	1009.8	1016.0	945.9	984.9	**1015.1**	3.1%	8.3%

*In this review, primary energy comprises commercially traded fuels, including modern renewables used to generate electricity.
Note: Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent.

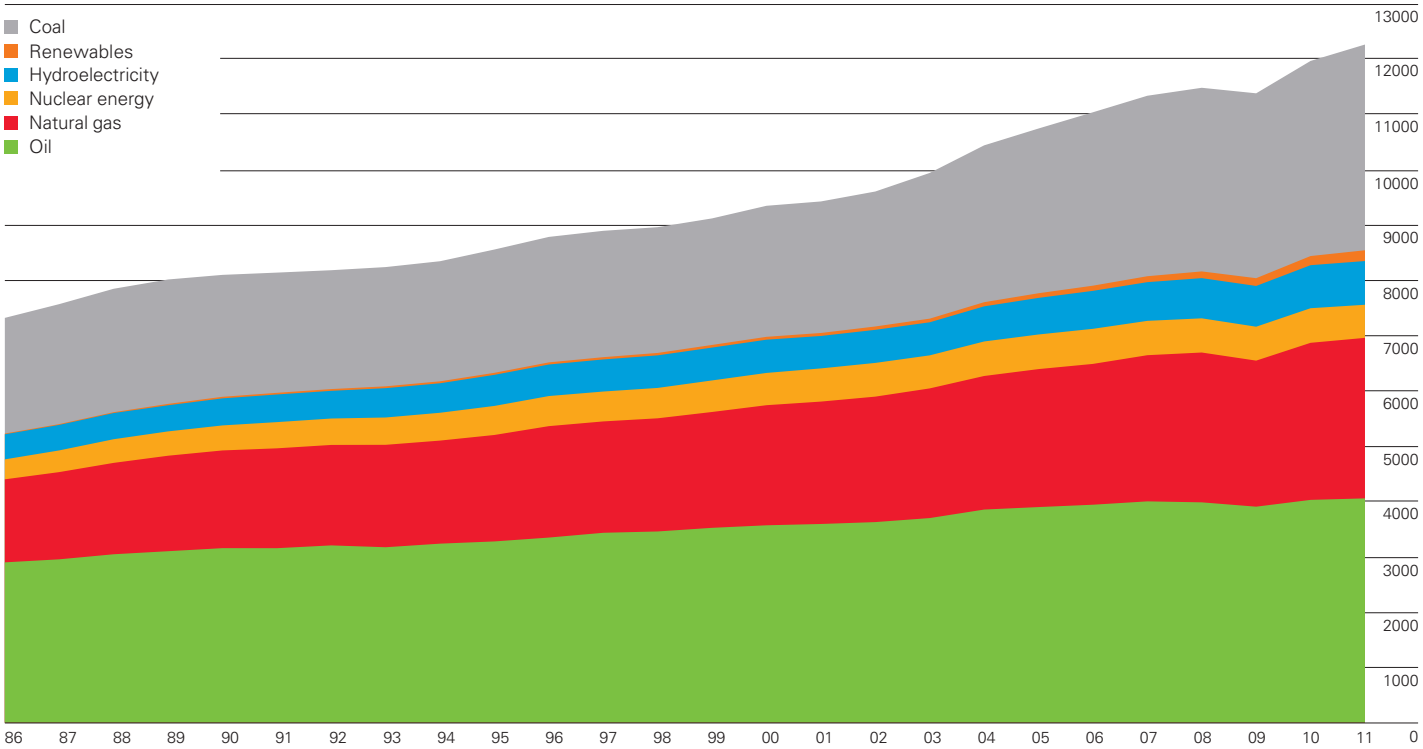
Consumption by fuel*

Million tonnes oil equivalent	2010 Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renew-ables	Total	2011 Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renew-ables	Total
US	849.9	611.2	526.1	192.2	59.5	38.9	2277.9	833.6	626.0	501.9	188.2	74.3	45.3	**2269.3**
Canada	102.7	85.5	24.0	20.3	79.4	3.8	315.7	103.1	94.3	21.8	21.4	85.2	4.4	**330.3**
Mexico	88.5	61.1	9.4	1.3	8.3	1.7	170.4	89.7	62.0	9.9	2.3	8.1	1.8	**173.7**
Total North America	1041.1	757.9	559.5	213.8	147.2	44.4	2763.9	1026.4	782.4	533.7	211.9	167.6	51.4	**2773.3**
Argentina	25.9	39.0	1.0	1.6	9.2	0.4	77.1	28.1	41.9	1.1	1.4	9.0	0.4	**81.9**
Brazil	118.0	24.1	13.9	3.3	91.2	7.3	258.0	120.7	24.0	13.9	3.5	97.2	7.5	**266.9**
Chile	14.8	4.2	4.2	–	4.9	1.0	29.2	15.2	4.7	5.3	–	4.7	1.0	**30.9**
Colombia	11.4	8.2	4.0	–	9.1	0.2	32.8	11.7	8.1	4.3	–	10.9	0.2	**35.1**
Ecuador	10.3	0.4	–	–	2.0	0.1	12.7	10.5	0.4	–	–	2.2	0.1	**13.2**
Peru	8.5	4.9	0.8	–	4.5	0.1	18.8	9.2	5.6	0.8	–	4.9	0.1	**20.7**
Trinidad & Tobago	1.7	20.3	–	–	–	†	22.1	1.7	19.8	–	–	–	†	**21.5**
Venezuela	36.9	29.2	1.9	–	17.4	–	85.4	38.3	29.8	2.0	–	18.9	–	**89.1**
Other S. & Cent. America	53.5	4.9	2.4	–	20.3	2.0	83.1	53.7	4.7	2.4	–	20.4	2.0	**83.3**
Total S. & Cent. America	281.0	135.2	28.2	4.9	158.6	11.1	619.0	289.1	139.1	29.8	4.9	168.2	11.3	**642.5**
Austria	12.9	9.1	2.6	–	7.7	1.5	33.8	12.5	8.5	2.5	–	6.9	1.6	**32.0**
Azerbaijan	3.2	6.7	†	–	0.8	†	10.7	3.6	7.3	†	–	0.6	†	**11.5**
Belarus	7.3	17.7	†	–	†	†	25.1	9.0	16.5	†	–	†	†	**25.5**
Belgium	33.5	17.0	3.3	10.8	0.1	1.6	66.3	33.7	14.4	2.1	10.9	†	2.1	**63.3**
Bulgaria	3.8	2.3	6.8	3.5	1.3	0.2	17.8	3.5	2.6	8.4	3.7	0.6	0.3	**19.2**
Czech Republic	9.1	8.4	18.2	6.3	0.8	0.7	43.4	9.1	7.6	19.2	6.4	0.6	1.1	**44.0**
Denmark	8.4	4.5	3.8	–	†	2.8	19.6	8.3	3.8	3.2	–	†	3.4	**18.7**
Finland	10.4	3.6	4.3	5.2	2.9	2.5	28.9	10.5	3.2	3.3	5.3	2.8	2.6	**27.7**
France	84.4	42.2	10.7	96.9	14.2	3.4	251.8	82.9	36.3	9.0	100.0	10.3	4.3	**242.9**
Germany	115.4	75.0	76.6	31.8	4.8	18.9	322.4	111.5	65.3	77.6	24.4	4.4	23.2	**306.4**
Greece	18.7	3.3	7.4	–	1.7	0.7	31.7	17.2	4.1	7.3	–	1.0	0.9	**30.5**
Hungary	6.7	9.8	2.6	3.6	†	0.6	23.4	6.5	9.1	2.7	3.5	0.1	0.7	**22.6**
Republic of Ireland	7.6	4.7	1.2	–	0.1	0.7	14.4	6.8	4.2	1.3	–	0.2	1.1	**13.6**
Italy	73.1	68.5	14.3	–	11.5	5.8	173.1	71.1	64.2	15.4	–	10.1	7.7	**168.5**
Kazakhstan	9.5	7.4	31.6	–	1.8	–	50.2	10.2	8.3	30.2	–	1.8	–	**50.5**
Lithuania	2.7	2.8	0.2	–	0.3	0.1	6.1	2.7	3.1	0.2	–	0.2	0.1	**6.4**
Netherlands	49.9	39.2	7.9	0.9	†	2.5	100.5	50.1	34.3	7.8	0.9	†	2.7	**95.8**
Norway	10.8	3.7	0.6	–	26.7	0.3	42.1	11.1	3.6	0.6	–	27.6	0.4	**43.4**
Poland	26.7	14.0	56.4	–	0.8	1.8	99.6	26.3	13.8	59.8	–	0.6	2.2	**102.8**
Portugal	12.5	4.5	1.9	–	3.8	2.8	25.5	11.6	4.6	2.6	–	2.8	2.8	**24.4**
Romania	8.7	12.2	6.1	2.6	4.5	0.1	34.1	9.0	12.5	7.1	2.7	3.4	0.2	**34.8**
Russian Federation	128.9	372.7	90.2	38.5	38.1	0.1	668.7	136.0	382.1	90.9	39.2	37.3	0.1	**685.6**
Slovakia	3.9	5.0	3.4	3.3	1.3	0.1	17.0	3.7	5.6	3.3	3.4	0.9	0.1	**17.1**
Spain	72.1	31.2	9.8	14.0	9.6	12.5	149.2	69.5	28.9	14.9	13.0	6.9	12.7	**145.9**
Sweden	15.3	1.4	2.1	13.2	15.1	3.5	50.7	14.5	1.1	2.0	13.8	15.0	4.1	**50.5**
Switzerland	11.4	3.0	0.1	6.0	8.2	0.3	29.0	11.0	2.6	0.1	6.1	7.4	0.3	**27.6**
Turkey	30.2	35.1	30.9	–	11.7	0.9	108.8	32.0	41.2	32.4	–	11.8	1.3	**118.8**
Turkmenistan	4.8	20.4	–	–	†	–	25.1	4.9	22.5	–	–	†	–	**27.4**
Ukraine	13.0	46.9	37.9	20.2	2.9	†	120.9	12.9	48.3	42.4	20.4	2.4	†	**126.4**
United Kingdom	73.5	84.6	31.0	14.1	0.8	5.0	209.0	71.6	72.2	30.8	15.6	1.3	6.6	**198.2**
Uzbekistan	4.3	41.0	1.3	–	2.3	–	48.9	4.4	44.2	1.3	–	2.3	–	**52.2**
Other Europe & Eurasia	30.4	14.5	20.1	1.8	22.7	1.3	90.8	30.3	14.9	20.8	2.0	19.7	1.4	**89.1**
Total Europe & Eurasia	903.1	1012.2	483.3	272.9	196.4	70.8	2938.7	898.2	991.0	499.2	271.5	179.1	84.3	**2923.4**
Iran	89.8	130.1	0.8	–	2.2	0.1	223.0	87.0	138.0	0.8	†	2.7	0.1	**228.6**
Israel	11.2	4.8	7.7	–	–	†	23.7	11.1	4.5	7.9	–	–	†	**23.5**
Kuwait	19.0	13.1	–	–	–	–	32.1	19.0	14.6	–	–	–	–	**33.6**
Qatar	7.4	18.4	–	–	–	–	25.7	8.0	21.4	–	–	–	–	**29.4**
Saudi Arabia	123.2	78.9	–	–	–	–	202.1	127.8	89.3	–	–	–	–	**217.1**
United Arab Emirates	28.9	54.7	–	–	–	†	83.6	30.5	56.6	–	–	–	†	**87.2**
Other Middle East	84.7	39.6	–	–	1.9	†	126.3	87.5	38.4	–	–	2.3	†	**128.1**
Total Middle East	364.3	339.5	8.5	–	4.1	0.1	716.5	371.0	362.8	8.7	†	5.0	0.1	**747.5**
Algeria	14.8	23.7	–	–	†	–	38.6	15.6	25.2	–	–	0.1	–	**40.9**
Egypt	36.3	40.6	0.9	–	2.9	0.3	81.0	33.7	44.7	0.9	–	3.1	0.3	**82.6**
South Africa	26.1	3.5	91.3	3.1	0.3	0.1	124.4	26.2	3.8	92.9	2.9	0.4	0.1	**126.3**
Other Africa	83.4	28.4	5.9	–	19.7	0.9	138.2	82.9	25.1	6.0	–	19.8	0.9	**134.7**
Total Africa	160.6	96.2	98.1	3.1	23.0	1.2	382.2	158.3	98.8	99.8	2.9	23.5	1.3	**384.5**
Australia	43.4	23.1	43.8	–	2.8	1.8	115.0	45.9	23.0	49.8	–	2.4	2.2	**123.3**
Bangladesh	4.9	17.9	0.9	–	0.3	†	24.1	5.0	17.9	1.0	–	0.3	†	**24.3**
China	437.7	96.8	1676.2	16.7	163.4	11.9	2402.9	461.8	117.6	1839.4	19.5	157.0	17.7	**2613.2**
China Hong Kong SAR	17.9	3.4	6.3	–	–	†	27.7	18.1	2.7	7.7	–	–	†	**28.6**
India	156.2	55.7	270.8	5.2	25.0	7.6	520.5	162.3	55.0	295.6	7.3	29.8	9.2	**559.1**
Indonesia	65.2	36.3	41.2	–	4.0	2.1	148.8	64.4	34.1	44.0	–	3.5	2.1	**148.2**
Japan	200.3	85.1	123.7	66.2	20.6	7.2	503.0	201.4	95.0	117.7	36.9	19.2	7.4	**477.6**
Malaysia	26.7	28.7	13.8	–	1.6	†	70.7	26.9	25.7	15.0	–	1.7	†	**69.2**
New Zealand	7.0	3.9	1.4	–	5.6	1.8	19.7	6.9	3.5	1.4	–	5.7	2.0	**19.4**
Pakistan	20.5	35.7	4.5	0.6	6.7	†	67.9	20.4	35.2	4.2	0.8	6.9	†	**67.6**
Philippines	12.2	2.8	7.7	–	1.8	2.3	26.7	11.8	3.2	8.3	–	2.1	2.3	**27.7**
Singapore	60.5	7.6	–	–	–	†	68.1	62.5	7.9	–	–	–	†	**70.4**
South Korea	106.0	38.7	75.9	33.6	0.8	0.5	255.6	106.0	41.9	79.4	34.0	1.2	0.6	**263.0**
Taiwan	46.3	12.7	40.3	9.4	0.9	1.0	110.6	42.8	14.0	41.6	9.5	0.9	1.2	**109.9**
Thailand	45.8	40.6	15.3	–	1.3	1.4	104.3	46.8	41.9	13.9	–	1.8	1.6	**106.0**
Vietnam	15.1	8.5	13.9	–	6.3	†	43.7	16.5	7.7	15.0	–	6.7	†	**45.9**
Other Asia Pacific	16.0	4.8	18.7	–	8.6	0.1	48.2	16.7	5.2	19.1	–	8.8	0.1	**49.9**
Total Asia Pacific	1281.7	502.1	2354.4	131.7	249.7	37.9	4557.6	1316.1	531.5	2553.2	108.0	248.1	46.4	**4803.3**
Total World	**4031.9**	**2843.1**	**3532.0**	**626.3**	**778.9**	**165.5**	**11977.8**	**4059.1**	**2905.6**	**3724.3**	**599.3**	**791.5**	**194.8**	**12274.6**
of which: OECD	2118.0	1387.9	1110.8	521.1	307.6	127.0	5572.4	2092.0	1386.1	1098.6	487.8	315.1	148.0	**5527.7**
Non-OECD	1913.9	1455.2	2421.2	105.2	471.4	38.5	6405.3	1967.0	1519.5	2625.7	111.5	476.4	46.8	**6746.9**
European Union	662.8	447.2	276.0	207.6	83.1	68.1	1744.8	645.9	403.1	285.9	205.3	69.6	80.9	**1690.7**
Former Soviet Union	180.4	522.6	166.3	59.3	55.9	0.4	984.9	190.6	539.6	169.8	60.2	54.6	0.4	**1015.1**

*In this review, primary energy comprises commercially traded fuels, including modern renewables used to generate electricity.
†Less than 0.05.
Note: Oil consumption is measured in million tonnes; other fuels in million tonnes of oil equivalent.

World consumption

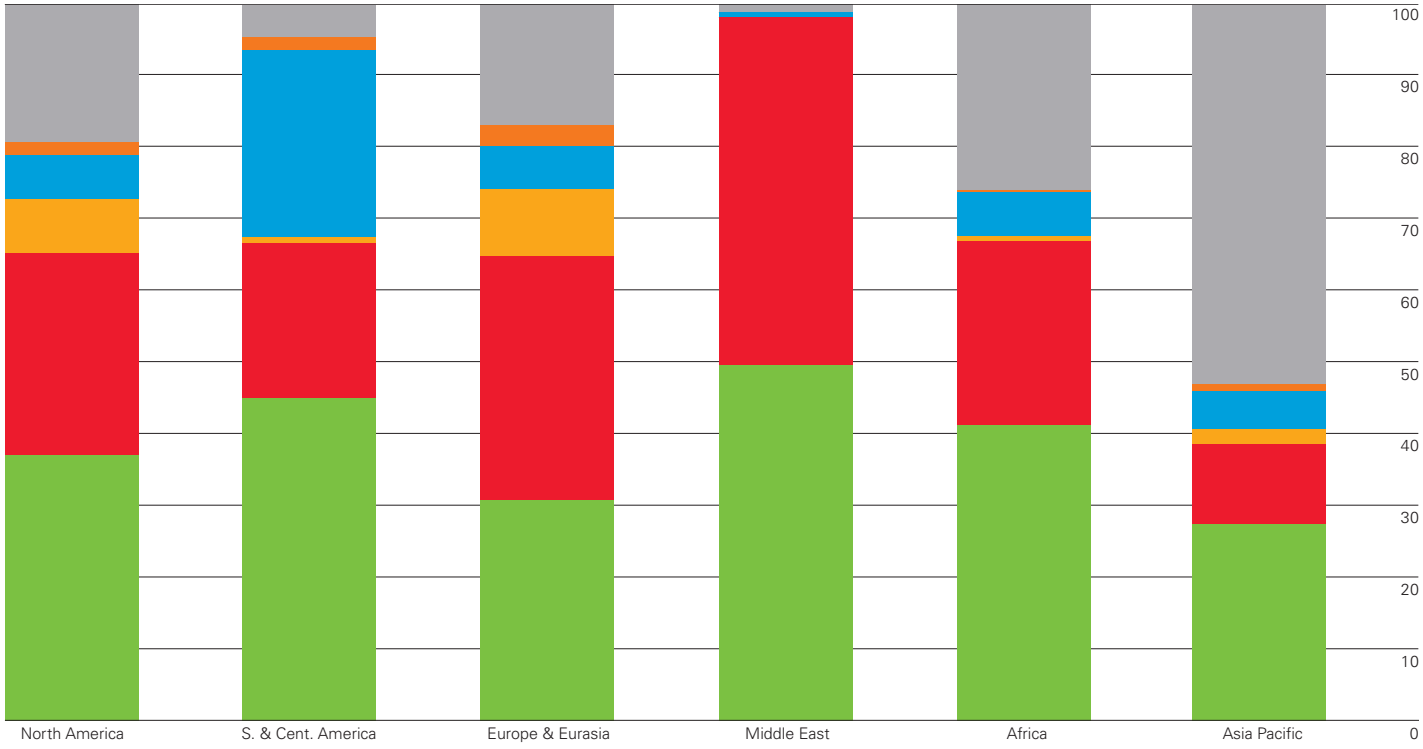
Million tonnes oil equivalent



World primary energy consumption grew by 2.5% in 2011, less than half the growth rate experienced in 2010 but close to the historical average. Growth decelerated for all regions and for all fuels. Oil remains the world's leading fuel, accounting for 33.1% of global energy consumption, but this figure is the lowest share on record. Coal's market share of 30.3% was the highest since 1969.

Regional consumption pattern 2011

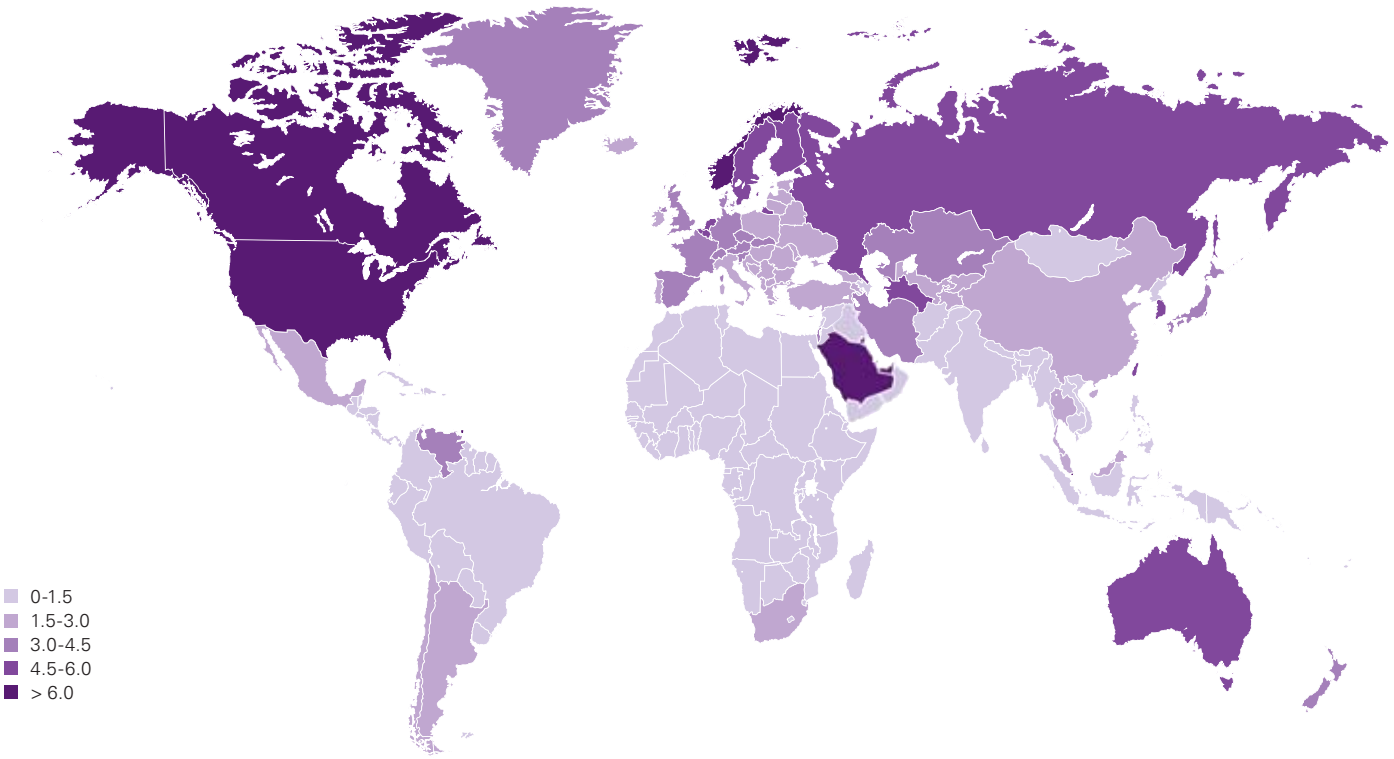
Percentage



The Asia Pacific region is the world's largest energy consumer, accounting for 39.1% of global energy consumption and 68.6% of global coal consumption; the region also leads in oil consumption and hydroelectric generation. Europe & Eurasia is the leading region for consumption of natural gas, nuclear power, and renewables. Coal is the dominant fuel in the Asia Pacific region; natural gas is dominant in Europe & Eurasia, and oil is dominant in all other regions.

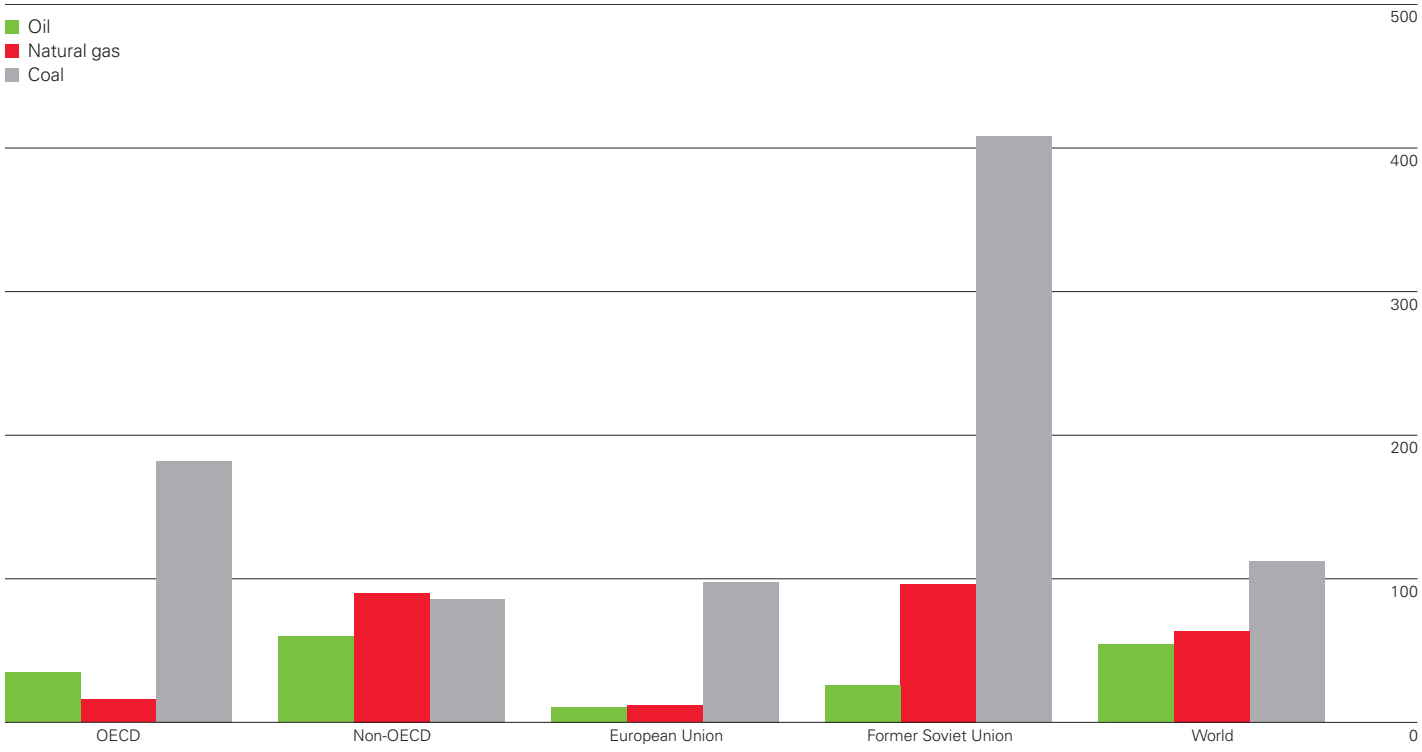
Consumption per capita 2011

Tonnes oil equivalent



Fossil fuel reserves-to-production (R/P) ratios at end 2011

Years



Coal remains the most abundant fossil fuel by global R/P ratio, although global oil and natural gas reserves have increased significantly over time. Non-OECD countries possess the majority of proved reserves for all fossil fuels, but OECD countries have a higher R/P ratio for coal.

Appendices

Approximate conversion factors

Crude oil*

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

*Based on worldwide average gravity.

Products

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

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

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

Units

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

Calorific equivalents

One tonne of oil equivalent equals approximately:

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

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

1 barrel of ethanol = 0.57 barrel of oil
1 barrel of biodiesel = 0.88 barrel of oil

Definitions

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

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

North America
US (excluding Puerto Rico), Canada, Mexico.

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

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

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

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

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

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

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

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

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

Australasia
Australia, New Zealand.

OECD members
Europe: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Republic of Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, UK.
Other member countries: Australia, Canada, Chile, Israel, Japan, Mexico, New Zealand, South Korea, US.

OPEC members
Middle East: Iran, Iraq, Kuwait, Qatar, Saudi Arabia, United Arab Emirates.
North Africa: Algeria, Libya.
West Africa: Angola, Nigeria.
South America: Ecuador, Venezuela.

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

Non-OECD
All countries that are not members of the OECD.

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

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

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

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

Tonnes
Metric equivalent of tons.

More information

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

Questions on data

BP regrets it is unable to deal with enquiries about the data in *BP Statistical Review of World Energy June 2012*.

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The Editor
BP Statistical Review of World Energy
BP p.l.c.
1 St James's Square
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UK
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