



Putting energy in the spotlight

BP Statistical Review of World Energy 2005

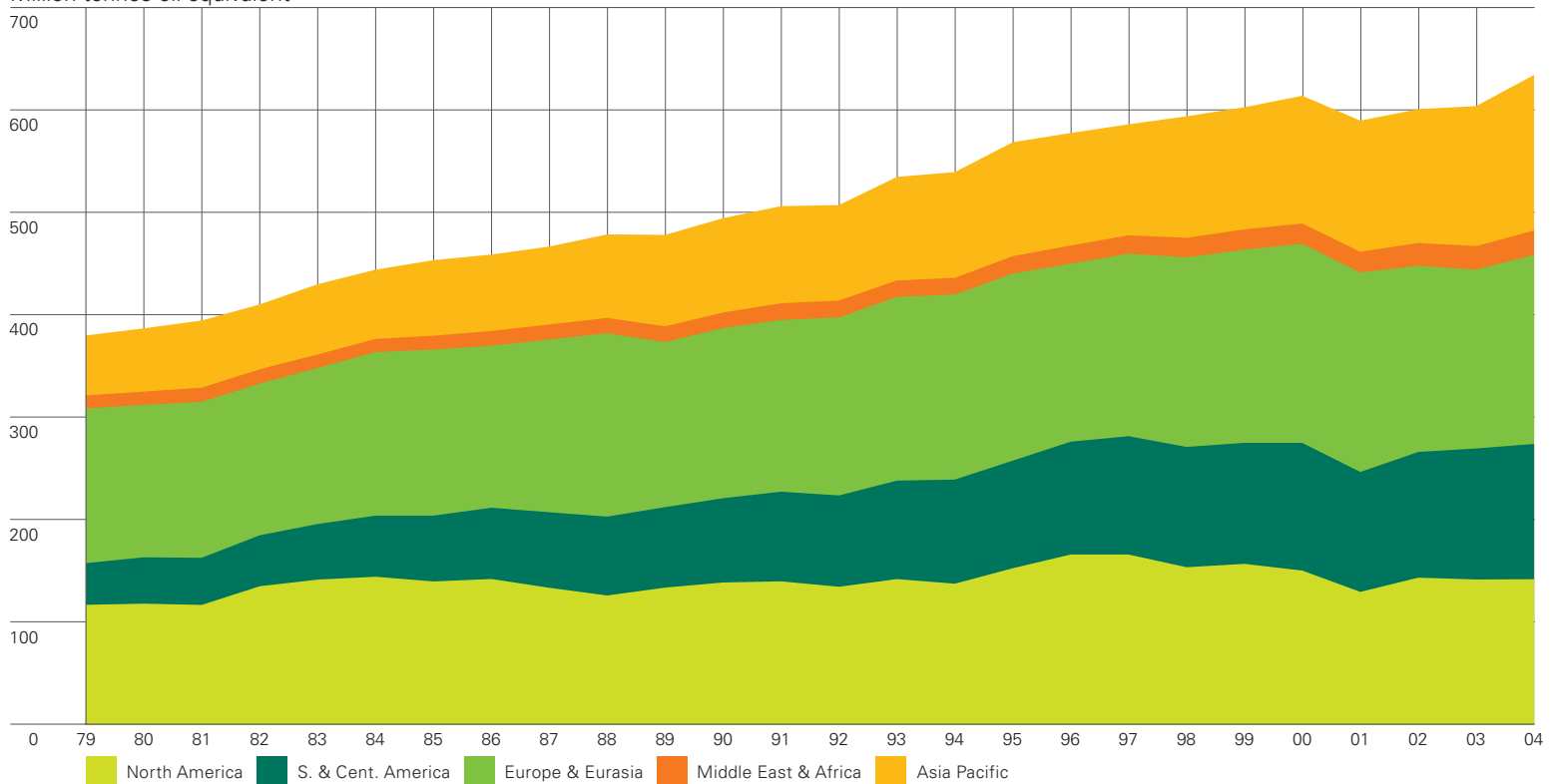
Hydroelectricity

The following data is taken from pages 35 to 36 of the printed Review.

Hydroelectricity

Consumption by area

Million tonnes oil equivalent



Global hydroelectric output grew by a relatively robust 5% in 2004 and reached a new record level. Asia Pacific accounted for 50% of global growth.

Hydroelectricity



Consumption*

Million tonnes oil equivalent	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Change 2004 over 2003	2004 share of total
USA	58.7	70.4	78.7	80.6	72.9	71.7	61.7	47.6	58.4	61.1	59.8	-2.2%	9.4%
Canada	74.2	75.9	80.2	79.4	75.1	77.8	81.1	75.5	79.4	76.0	76.4	0.5%	12.0%
Mexico	4.6	6.2	7.1	6.0	5.6	7.4	7.5	6.4	5.6	4.5	5.7	27.2%	0.9%
Total North America	137.5	152.6	166.0	166.0	153.6	156.9	150.3	129.5	143.4	141.6	141.9	0.2%	22.4%
Argentina	6.2	6.1	5.2	6.4	6.0	4.9	6.5	8.4	8.1	7.6	6.8	-10.4%	1.1%
Brazil	54.9	57.5	60.1	63.1	66.0	66.3	68.9	60.6	64.7	69.2	72.4	4.6%	11.4%
Chile	3.9	4.2	3.8	4.3	3.6	3.1	4.3	4.9	5.2	5.1	4.9	-4.4%	0.8%
Colombia	7.3	7.3	8.0	7.1	6.9	7.6	6.9	7.1	7.6	8.1	8.6	5.9%	1.4%
Ecuador	1.5	1.2	1.4	1.5	1.5	1.6	1.7	1.6	1.7	1.7	1.7	-	0.3%
Peru	2.9	2.9	3.0	3.0	3.1	3.3	3.7	4.0	4.1	4.2	4.0	-5.7%	0.6%
Venezuela	11.6	11.6	12.2	13.0	13.1	13.7	14.2	13.7	13.5	13.7	16.0	16.7%	2.5%
Other S. & Cent. America	13.4	14.3	16.3	17.3	17.3	17.7	18.4	16.8	17.8	18.4	17.8	-3.5%	2.8%
Total S. & Cent. America	101.7	105.1	110.2	115.6	117.5	118.2	124.7	117.1	122.8	128.0	132.1	3.2%	20.8%
Austria	8.4	8.7	8.1	8.4	8.8	9.4	9.8	9.8	8.6	7.3	7.3	♦	1.1%
Azerbaijan	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.5	0.6	0.6	11.8%	0.1%
Belarus	†	†	†	†	†	†	†	†	†	†	†	-	♦
Belgium & Luxembourg	0.4	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.6	0.5	0.5	-4.9%	0.1%
Bulgaria	0.3	0.5	0.7	0.7	0.8	0.7	0.6	0.4	0.5	0.5	0.5	-	0.1%
Czech Republic	0.4	0.5	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.4	0.6	42.9%	0.1%
Denmark	†	†	†	†	†	†	†	†	†	†	†	20.0%	♦
Finland	2.7	2.9	2.7	2.7	3.3	2.9	3.3	3.1	2.4	2.1	3.4	58.4%	0.5%
France	18.3	17.2	15.9	15.3	14.9	17.6	16.4	18.0	15.1	14.7	14.8	0.8%	2.3%
Germany	5.1	5.5	4.9	4.7	4.8	5.3	5.9	5.8	6.3	5.5	6.1	12.0%	1.0%
Greece	0.7	0.9	1.0	0.9	0.9	1.1	0.9	0.6	0.8	1.2	1.1	-7.1%	0.2%
Hungary	†	†	†	0.1	†	†	†	†	†	†	†	17.9%	♦
Iceland	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.6	0.7%	0.3%
Republic of Ireland	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.2	-5.1%	♦
Italy	10.8	9.5	10.7	10.6	10.7	11.7	11.5	12.2	10.7	10.0	11.0	10.0%	1.7%
Kazakhstan	2.1	1.9	1.7	1.5	1.4	1.4	1.7	1.8	2.0	2.0	2.0	2.5%	0.3%
Lithuania	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	-3.6%	♦
Netherlands	†	†	†	†	†	†	†	†	†	†	†	31.3%	♦
Norway	25.5	27.7	23.5	25.1	26.3	27.6	32.2	27.4	29.4	24.0	24.7	3.0%	3.9%
Poland	0.9	0.9	0.9	0.9	1.0	1.0	0.9	1.0	0.9	0.7	0.8	12.1%	0.1%
Portugal	2.4	1.9	3.4	3.0	3.0	1.7	2.7	3.3	1.8	3.6	2.8	-24.3%	0.4%
Romania	3.0	3.8	3.6	4.0	4.3	4.1	3.3	3.4	3.6	3.0	3.8	28.2%	0.6%
Russian Federation	39.8	40.1	34.9	35.6	35.9	36.4	37.4	39.8	37.2	35.6	40.0	12.6%	6.3%
Slovakia	1.0	1.2	1.0	1.0	1.0	1.1	1.1	1.2	1.2	0.8	0.9	13.4%	0.1%
Spain	6.5	5.5	9.4	8.5	8.8	7.0	8.3	9.9	6.0	9.9	7.9	-20.0%	1.3%
Sweden	13.4	15.3	11.7	15.6	16.7	16.2	17.8	17.9	15.0	12.1	12.7	4.8%	2.0%
Switzerland	9.0	8.1	6.7	8.0	7.8	9.3	8.7	9.7	8.3	8.3	8.0	-3.6%	1.3%
Turkey	6.9	8.0	9.2	8.8	9.6	7.8	7.0	5.4	7.6	8.8	10.4	18.2%	1.6%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	2.8	2.3	2.0	2.3	3.6	3.3	2.6	2.8	2.2	2.1	2.7	27.6%	0.4%
United Kingdom	1.5	1.4	1.1	1.3	1.5	1.9	1.8	1.5	1.7	1.3	1.7	26.2%	0.3%
Uzbekistan	1.6	1.4	1.5	1.3	1.3	1.3	1.3	1.2	1.6	1.7	1.7	-1.4%	0.3%
Other Europe & Eurasia	15.3	15.1	16.8	15.2	15.6	16.8	15.9	15.4	15.1	15.7	16.3	3.9%	2.6%
Total Europe & Eurasia	180.8	182.7	174.0	178.3	185.2	188.7	194.5	194.8	181.9	174.7	184.7	5.7%	29.1%
Iran	1.8	1.9	1.8	1.3	1.7	1.2	0.9	0.9	1.8	2.2	2.7	24.5%	0.4%
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	0.8	0.9	1.1	1.1	1.1	0.7	0.8	0.7	1.1	1.3	1.2	-1.4%	0.2%
Total Middle East	2.6	2.8	2.9	2.4	2.8	1.9	1.7	1.6	2.9	3.4	4.0	14.9%	0.6%
Algeria	†	†	†	†	†	†	†	†	†	0.1	0.1	-5.0%	♦
Egypt	2.5	2.6	2.7	2.7	3.1	3.4	3.2	3.3	3.2	3.2	3.3	3.1%	0.5%
South Africa	0.6	0.4	0.8	1.1	0.9	0.8	0.9	0.8	0.9	0.8	0.8	5.5%	0.1%
Other Africa	10.5	11.1	11.2	11.6	12.2	13.7	14.0	14.6	15.2	15.4	15.6	0.9%	2.5%
Total Africa	13.6	14.2	14.7	15.5	16.2	17.9	18.1	18.7	19.3	19.5	19.8	1.4%	3.1%
Australia	3.7	3.7	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.8	3.0%	0.6%
Bangladesh	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	3.8%	♦
China	37.8	42.2	42.3	42.5	44.9	48.2	55.0	59.1	62.2	63.7	74.2	16.6%	11.7%
China Hong Kong SAR	-	-	-	-	-	-	-	-	-	-	-	-	-
India	18.2	17.2	15.6	15.9	18.9	18.6	17.4	16.3	15.5	15.7	19.0	21.0%	3.0%
Indonesia	1.6	1.7	1.8	1.2	2.2	2.1	2.3	2.6	2.3	2.4	2.5	4.3%	0.4%
Japan	17.4	19.9	19.7	21.2	23.6	21.0	20.7	20.4	20.5	22.8	22.6	-0.5%	3.6%
Malaysia	1.5	1.4	1.2	0.9	1.1	1.7	1.6	1.6	1.2	1.3	1.4	7.7%	0.2%
New Zealand	5.8	6.2	5.9	5.2	5.7	5.3	5.6	5.1	5.7	5.4	6.3	16.8%	1.0%
Pakistan	4.9	5.1	5.6	4.2	5.5	4.9	4.0	4.1	4.6	5.8	6.1	5.0%	1.0%
Philippines	1.3	1.4	1.6	1.4	1.1	1.8	1.8	1.6	1.6	1.8	1.9	8.5%	0.3%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	0.9	1.2	1.2	1.2	1.4	1.4	1.3	0.9	1.2	1.6	1.3	-14.9%	0.2%
Taiwan	2.0	2.0	2.0	2.2	2.4	2.0	2.0	2.1	1.4	1.6	1.5	-4.9%	0.2%
Thailand	1.0	1.5	1.7	1.6	1.2	0.8	1.4	1.4	1.7	1.7	1.8	10.9%	0.3%
Other Asia Pacific	7.1	7.7	7.4	7.0	6.9	7.7	8.1	8.9	8.8	9.4	9.3	-0.8%	1.5%
Total Asia Pacific	103.3	111.3	109.9	108.4	118.7	119.3	124.8	128.1	130.7	136.8	152.0	11.1%	24.0%
TOTAL WORLD	539.5	568.7	577.8	586.0	594.0	602.9	614.0	589.8	601.0	604.1	634.4	5.0%	100.0%
of which: European Union 25	74.5	73.8	73.5	75.6	78.7	79.8	83.5	87.3	73.6	72.1	73.7	2.2%	11.6%
OECD	280.7	300.7	308.9	314.6	309.6	312.4	312.6	289.2	293.5	288.3	292.7	1.5%	46.1%
Former Soviet Union	56.0	54.6	48.9	49.3	51.1	51.5	52.1	54.2	52.0	51.4	56.3	9.5%	8.9%
Other EMEs	202.9	213.4	219.9	222.2	233.3	238.9	249.4	246.5	255.5	264.4	285.5	8.0%	45.0%

*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 www.bp.com/statisticalreview.