

## nuclear energy

## consumption\*

Million tonnes oil equivalent	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	Change 2001 over 2000	2001 share of total
USA	145.9	147.4	145.4	152.6	160.4	160.7	149.8	160.5	173.5	179.6	183.2	2.0%	30.5%
Canada	19.2	18.2	21.3	24.4	22.1	21.0	18.7	16.2	16.6	16.5	17.4	5.4%	2.9%
Mexico	1.0	0.9	1.1	1.0	1.9	1.8	2.4	2.1	2.3	1.9	2.0	5.9%	0.3%
<b>Total North America</b>	<b>166.1</b>	<b>166.5</b>	<b>167.8</b>	<b>178.0</b>	<b>184.4</b>	<b>183.5</b>	<b>170.9</b>	<b>178.8</b>	<b>192.4</b>	<b>198.0</b>	<b>202.6</b>	<b>2.3%</b>	<b>33.7%</b>
Argentina	1.8	1.6	1.8	1.9	1.6	1.7	1.8	1.7	1.6	1.4	1.6	14.2%	0.3%
Brazil	0.3	0.4	0.1	†	0.6	0.5	0.7	0.7	0.9	1.3	3.2	>100.0%	0.5%
Chile	—	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—	—
Other S. & Cent. America	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Total S. &amp; Cent. America</b>	<b>2.1</b>	<b>2.0</b>	<b>1.9</b>	<b>1.9</b>	<b>2.2</b>	<b>2.2</b>	<b>2.5</b>	<b>2.4</b>	<b>2.5</b>	<b>2.7</b>	<b>4.8</b>	<b>82.4%</b>	<b>0.8%</b>
Austria	—	—	—	—	—	—	—	—	—	—	—	—	—
Belgium & Luxembourg	9.7	9.8	9.5	9.2	9.4	9.8	10.7	10.5	11.1	10.9	10.7	-2.1%	1.8%
Bulgaria	3.0	2.6	3.2	3.5	3.9	4.1	4.0	3.8	3.6	4.5	4.5	0.3%	0.7%
Czech Republic	2.7	2.8	2.9	2.9	2.8	2.9	2.8	3.0	3.0	3.1	3.3	8.5%	0.6%
Denmark	—	—	—	—	—	—	—	—	—	—	—	—	—
Finland	4.4	4.3	4.5	4.4	4.3	4.4	4.8	5.0	5.3	5.1	5.2	1.4%	0.9%
France	75.0	76.6	83.3	81.5	85.4	89.9	89.5	87.8	89.2	94.0	94.9	1.0%	15.8%
Germany	33.4	35.9	34.7	34.2	34.9	36.6	38.5	36.6	38.5	38.4	38.7	0.9%	6.4%
Greece	—	—	—	—	—	—	—	—	—	—	—	—	—
Hungary	3.1	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	-0.4%	0.5%
Iceland	—	—	—	—	—	—	—	—	—	—	—	—	—
Republic of Ireland	—	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands	0.8	0.9	0.9	0.9	0.9	0.9	0.5	0.9	0.9	0.9	0.9	1.2%	0.1%
Norway	—	—	—	—	—	—	—	—	—	—	—	—	—
Poland	—	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—	—
Romania	—	—	—	—	—	0.3	1.2	1.2	1.2	1.2	1.2	-0.2%	0.2%
Slovakia	2.6	2.5	2.7	2.7	2.6	2.6	2.4	2.6	3.0	3.7	3.9	3.3%	0.6%
Spain	12.6	12.6	12.7	12.5	12.5	12.7	12.5	13.4	13.3	14.1	14.4	2.3%	2.4%
Sweden	17.4	14.4	13.9	16.6	15.8	16.6	15.8	15.9	16.6	13.0	16.4	26.4%	2.7%
Switzerland	5.2	5.3	5.3	5.5	5.6	5.7	5.8	5.8	5.6	6.0	6.1	1.4%	1.0%
Turkey	—	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	16.0	17.4	20.2	20.0	20.1	21.4	22.2	22.5	21.5	19.3	20.4	5.9%	3.4%
Other Europe	1.1	0.9	0.9	1.0	1.1	1.0	1.1	1.1	1.1	1.1	1.2	10.5%	0.2%
<b>Total Europe</b>	<b>187.0</b>	<b>189.2</b>	<b>197.8</b>	<b>198.1</b>	<b>202.5</b>	<b>212.1</b>	<b>215.0</b>	<b>213.3</b>	<b>217.1</b>	<b>218.5</b>	<b>225.0</b>	<b>3.0%</b>	<b>37.4%</b>
Azerbaijan	—	—	—	—	—	—	—	—	—	—	—	—	—
Belarus	—	—	—	—	—	—	—	—	—	—	—	—	—
Kazakhstan	0.1	0.1	0.1	0.1	†	†	0.1	†	—	—	—	—	—
Lithuania	3.8	3.3	2.8	1.7	2.7	3.2	2.7	3.1	2.2	1.9	2.6	35.0%	0.4%
Russian Federation	27.2	27.1	27.0	22.1	22.5	24.7	24.5	23.6	27.1	29.5	30.9	4.6%	5.1%
Turkmenistan	—	—	—	—	—	—	—	—	—	—	—	—	—
Ukraine	17.0	16.7	17.0	15.6	16.0	18.0	18.0	17.0	16.3	17.5	17.2	-1.7%	2.9%
Uzbekistan	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Former Soviet Union	—	—	—	—	0.1	0.5	0.4	0.4	0.5	0.4	0.5	8.2%	0.1%
<b>Total Former Soviet Union</b>	<b>48.1</b>	<b>47.2</b>	<b>46.9</b>	<b>39.5</b>	<b>41.3</b>	<b>46.4</b>	<b>45.7</b>	<b>44.1</b>	<b>46.1</b>	<b>49.3</b>	<b>51.2</b>	<b>3.6%</b>	<b>8.5%</b>
Iran	—	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Middle East	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Total Middle East</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Algeria	—	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—	—
South Africa	2.2	2.2	1.7	2.3	2.7	2.8	3.0	3.2	3.1	3.1	2.6	-17.6%	0.4%
Other Africa	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Total Africa</b>	<b>2.2</b>	<b>2.2</b>	<b>1.7</b>	<b>2.3</b>	<b>2.7</b>	<b>2.8</b>	<b>3.0</b>	<b>3.2</b>	<b>3.1</b>	<b>3.1</b>	<b>2.6</b>	<b>-17.6%</b>	<b>0.4%</b>
Australia	—	—	—	—	—	—	—	—	—	—	—	—	—
Bangladesh	—	—	—	—	—	—	—	—	—	—	—	—	—
China	—	0.1	0.4	3.1	2.9	3.2	3.3	3.4	3.4	3.8	4.0	4.4%	0.7%
China Hong Kong SAR	—	—	—	—	—	—	—	—	—	—	—	—	—
India	1.2	1.4	1.4	1.1	1.7	1.9	2.3	2.6	2.9	3.6	4.4	21.9%	0.7%
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—	—
Japan	47.4	49.3	56.3	58.7	65.1	67.3	72.8	74.0	71.9	72.3	72.7	0.5%	12.1%
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—	—	—	—	—	—
Pakistan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	†	0.3	0.5	82.1%	0.1%
Philippines	—	—	—	—	—	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	—	—	—	—	—	—	—	—
South Korea	12.7	12.8	13.2	13.3	15.2	16.7	17.4	20.3	23.3	24.7	25.4	2.9%	4.2%
Taiwan	8.0	7.7	7.8	7.9	8.0	8.6	8.2	8.3	8.7	8.7	8.0	-7.8%	1.3%
Thailand	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Asia Pacific	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Total Asia Pacific</b>	<b>69.4</b>	<b>71.4</b>	<b>79.2</b>	<b>84.2</b>	<b>93.0</b>	<b>97.8</b>	<b>104.1</b>	<b>108.7</b>	<b>110.2</b>	<b>113.4</b>	<b>115.0</b>	<b>1.4%</b>	<b>19.1%</b>
<b>TOTAL WORLD</b>	<b>474.9</b>	<b>478.5</b>	<b>495.3</b>	<b>504.0</b>	<b>526.1</b>	<b>544.8</b>	<b>541.2</b>	<b>550.5</b>	<b>571.4</b>	<b>585.0</b>	<b>601.2</b>	<b>2.8%</b>	<b>100.0%</b>
of which: European Union 15	169.3	171.9	179.7	179.3	183.3	192.3	194.5	192.6	196.4	195.7	201.6	3.1%	33.6%
OECD	409.1	414.3	431.0	443.6	462.2	474.2	469.8	480.3	498.8	506.7	518.8	2.4%	86.3%
Former Soviet Union	48.1	47.2	46.9	39.5	41.3	46.4	45.7	44.1	46.1	49.3	51.2	3.6%	8.5%
Other EMEs	17.7	17.0	17.4	20.9	22.6	24.2	25.7	26.1	26.5	29.0	31.2	7.8%	5.2%

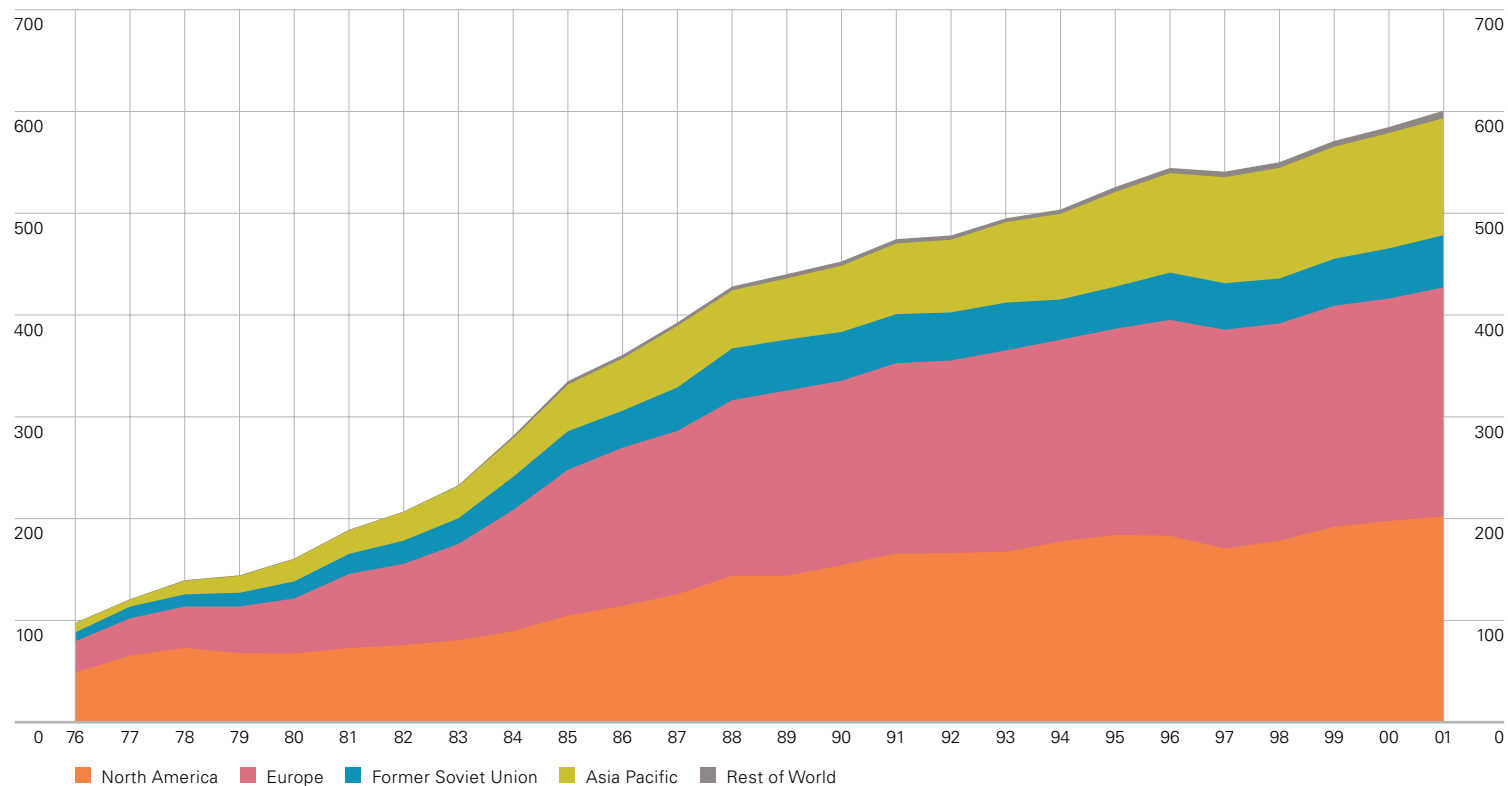
\*Converted on the basis of thermal equivalence assuming 38% conversion efficiency in a modern thermal power station.

†Less than 0.05.

**Note:** Nuclear energy data expressed in terawatt-hours is available at [www.bp.com/centres/energy/](http://www.bp.com/centres/energy/)

## consumption by area

Million tonnes oil equivalent



Nuclear energy maintained its record of steady growth during 2001, registering a 2.8% increase, somewhat ahead of the 10-year annual average of 2.4%.