

**Energy sources**

HDI rank	Share of TPES <sup>a</sup>														
	Total primary energy supply <sup>a</sup> (Mt of oil equivalent)		Fossil fuels						Renewable energy <sup>b</sup>				Other		
			Coal <sup>c</sup> (%)		Oil <sup>d</sup> (%)		Natural Gas (%)		Hydro, solar, wind and geothermal (%)		Biomass and waste <sup>e</sup> (%)		Nuclear (%)		
	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	
<b>HIGH HUMAN DEVELOPMENT</b>															
1	Iceland	2.2	3.6	3.0	2.7	32.6	24.6	0.0	0.0	64.5	72.6	0.0	0.1	0.0	0.0
2	Norway	21.5	32.1	4.0	2.4	39.8	44.1	9.2	16.1	48.5	36.6	4.8	4.1	0.0	0.0
3	Australia	87.5	122.0	40.0	44.5	37.1	31.1	16.9	18.9	1.5	1.2	4.5	4.3	0.0	0.0
4	Canada	209.4	272.0	11.6	10.3	36.9	35.8	26.1	29.6	12.2	11.5	3.9	4.6	9.3	8.8
5	Ireland	10.4	15.3	33.3	17.6	47.0	56.0	18.1	22.7	0.6	1.0	1.0	1.6	0.0	0.0
6	Sweden	47.6	52.2	6.2	5.0	30.8	28.5	1.2	1.6	13.1	12.7	11.6	17.2	37.4	36.2
7	Switzerland	25.0	27.2	1.4	0.6	53.8	47.1	6.5	10.2	10.5	10.5	3.7	7.1	24.7	22.5
8	Japan	444.5	530.5	17.4	21.1	57.4	47.4	9.9	13.3	2.3	2.0	1.1	1.2	11.9	15.0
9	Netherlands	66.8	81.8	13.4	10.0	36.5	40.2	46.1	43.1	(.)	0.3	1.4	3.2	1.4	1.3
10	France	227.8	276.0	8.9	5.2	38.3	33.1	11.4	14.9	2.1	1.7	5.1	4.3	35.9	42.6
11	Finland	29.2	35.0	18.2	14.1	35.1	30.6	7.5	10.3	3.2	3.9	15.6	19.6	17.2	17.3
12	United States	1,927.5	2,340.3	23.8	23.7	40.0	40.7	22.8	21.8	2.0	1.5	3.2	3.2	8.3	9.0
13	Spain	91.1	145.2	21.2	14.1	51.0	49.1	5.5	20.5	2.4	2.5	4.5	3.5	15.5	10.3
14	Denmark	17.9	19.6	34.0	18.9	45.7	41.8	10.2	22.4	0.3	3.0	6.4	13.2	0.0	0.0
15	Austria	25.1	34.4	16.3	11.8	42.4	42.2	20.7	24.0	10.9	9.7	9.8	11.6	0.0	0.0
16	United Kingdom	212.2	233.9	29.7	16.1	38.9	36.2	22.2	36.3	0.2	0.3	0.3	1.7	8.1	9.1
17	Belgium	49.2	56.7	21.7	9.0	38.1	40.2	16.6	24.9	0.1	0.2	1.5	2.8	22.6	21.9
18	Luxembourg	3.6	4.8	31.7	1.7	45.9	66.2	12.0	24.7	0.2	0.3	0.7	1.2	0.0	0.0
19	New Zealand	13.8	16.9	8.2	11.8	28.8	40.3	28.3	18.9	30.7	23.8	4.0	5.1	0.0	0.0
20	Italy	148.0	185.2	9.9	8.9	57.3	44.2	26.4	38.1	3.8	4.3	0.6	2.3	0.0	0.0
21	Hong Kong, China (SAR)	10.7	18.1	51.5	36.8	49.4	47.7	0.0	12.1	0.0	0.0	0.5	0.3	0.0	0.0
22	Germany	356.2	344.7	36.1	23.7	35.5	35.8	15.4	23.4	0.4	1.3	1.3	3.5	11.2	12.3
23	Israel	12.1	19.5	19.8	39.2	77.3	51.2	0.2	6.6	3.0	3.7	(.)	(.)	0.0	0.0
24	Greece	22.2	31.0	36.4	28.9	57.7	57.1	0.6	7.6	1.0	2.1	4.0	3.3	0.0	0.0
25	Singapore	13.4	30.1	0.2	(.)	99.8	80.3	0.0	19.7	0.0	0.0	0.0	0.0	0.0	0.0
26	Korea (Republic of)	93.4	213.8	27.4	23.1	53.6	45.0	2.9	12.8	0.6	0.2	0.8	1.0	14.8	17.9
27	Slovenia	5.6	7.3	25.4	20.2	31.7	35.8	13.6	12.7	4.5	4.1	4.8	6.7	21.5	21.0
28	Cyprus	1.6	2.6	3.7	1.5	95.9	96.3	0.0	0.0	0.0	1.6	0.4	0.6	0.0	0.0
29	Portugal	17.7	27.2	15.5	12.3	66.0	58.5	0.0	13.8	4.5	2.4	14.0	10.8	0.0	0.0
30	Brunei Darussalam	1.8	2.6	0.0	0.0	6.8	29.7	92.2	69.6	0.0	0.0	1.0	0.7	0.0	0.0
31	Barbados	..	..	..	..	..	..	..	..	..	..	..	..	..	..
32	Czech Republic	49.0	45.2	64.2	44.7	18.3	22.1	10.7	17.0	0.2	0.5	0.0	3.9	6.7	14.3
33	Kuwait	8.5	28.1	0.0	0.0	40.1	66.5	59.8	33.5	0.0	0.0	0.1	0.0	0.0	0.0
34	Malta	0.8	0.9	23.8	0.0	76.2	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	Qatar	6.3	15.8	0.0	0.0	12.1	15.7	87.8	84.3	0.0	0.0	0.1	(.)	0.0	0.0
36	Hungary	28.6	27.8	21.4	11.1	29.8	26.0	31.2	43.6	0.4	0.4	1.3	4.0	12.5	13.0
37	Poland	99.9	93.0	75.5	58.7	13.3	23.8	9.0	13.2	0.1	0.2	2.2	5.1	0.0	0.0
38	Argentina	46.1	63.7	2.1	1.4	45.7	36.7	40.8	50.4	3.4	4.6	3.7	3.5	4.1	2.8
39	United Arab Emirates	22.5	46.9	0.0	0.0	39.9	27.9	60.1	72.1	0.0	0.0	0.0	(.)	0.0	0.0
40	Chile	14.1	29.6	18.4	13.9	45.8	39.2	10.6	23.8	6.2	7.0	19.0	15.5	0.0	0.0
41	Bahrain	4.8	8.1	0.0	0.0	26.5	23.2	73.5	76.8	0.0	0.0	0.0	0.0	0.0	0.0
42	Slovakia	21.3	18.8	36.7	22.5	21.1	18.4	23.9	31.2	0.8	2.2	0.8	2.4	14.7	24.8
43	Lithuania	16.2	8.6	4.9	2.3	42.2	29.1	28.9	28.8	0.7	2.4	1.8	8.3	27.8	31.9
44	Estonia	9.6	5.1	59.9	59.3	31.7	15.5	12.8	15.7	0.0	0.1	2.0	12.1	0.0	0.0
45	Latvia	7.8	4.7	6.3	1.3	45.3	29.7	30.6	28.8	5.4	6.1	8.5	30.2	0.0	0.0
46	Uruguay	2.3	2.9	(.)	0.1	58.6	59.4	0.0	3.1	26.8	19.9	24.2	15.4	0.0	0.0
47	Croatia	9.1	8.9	9.0	7.5	53.4	50.7	24.2	26.7	3.6	6.1	3.4	4.0	0.0	0.0
48	Costa Rica	2.0	3.8	0.1	0.5	48.3	51.4	0.0	0.0	14.4	41.1	36.6	7.0	0.0	0.0
49	Bahamas	..	..	..	..	..	..	..	..	..	..	..	..	..	..
50	Seychelles	..	..	..	..	..	..	..	..	..	..	..	..	..	..
51	Cuba	16.8	10.2	0.8	0.2	64.1	73.4	0.2	6.0	(.)	0.1	34.9	20.3	0.0	0.0
52	Mexico	124.3	176.5	2.8	4.9	67.0	58.8	18.6	25.0	5.2	4.9	5.9	4.7	0.6	1.6
53	Bulgaria	28.8	20.1	32.1	34.6	33.7	24.6	18.7	14.0	0.6	2.0	0.6	3.7	13.3	24.3

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1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	
54 Saint Kitts and Nevis	..	..	..	..	..	..	..	..	..	..	..	..	..	..
55 Tonga	..	..	..	..	..	..	..	..	..	..	..	..	..	..
56 Libyan Arab Jamahiriya	11.5	19.0	0.0	0.0	63.8	72.2	35.1	27.0	0.0	0.0	1.1	0.8	0.0	0.0
57 Antigua and Barbuda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
58 Oman	4.6	14.0	0.0	0.0	46.6	33.3	53.4	66.7	0.0	0.0	0.0	0.0	0.0	0.0
59 Trinidad and Tobago	6.0	12.7	0.0	0.0	21.4	13.6	77.8	86.2	0.0	0.0	0.8	0.2	0.0	0.0
60 Romania	62.4	38.3	20.7	22.7	29.2	24.6	46.2	36.4	1.6	4.7	1.0	8.5	0.0	3.8
61 Saudi Arabia	61.3	140.3	0.0	0.0	64.7	63.6	35.3	36.4	0.0	0.0	(.)	(.)	0.0	0.0
62 Panama	1.5	2.6	1.3	0.0	57.1	71.7	0.0	0.0	12.8	12.3	28.3	16.1	0.0	0.0
63 Malaysia	23.3	61.3	4.4	9.6	55.8	43.3	29.2	41.8	1.5	0.8	9.1	4.5	0.0	0.0
64 Belarus	42.2	26.6	5.6	2.4	62.2	27.9	29.7	63.7	(.)	(.)	0.5	4.8	0.0	0.0
65 Mauritius	..	..	..	..	..	..	..	..	..	..	..	..	..	..
66 Bosnia and Herzegovina	7.0	5.0	59.4	55.3	29.0	26.6	5.5	7.4	3.7	9.5	2.3	3.7	0.0	0.0
67 Russian Federation	878.3	646.7	20.7	16.0	31.0	20.6	41.8	54.1	1.6	2.4	1.4	1.1	3.6	6.1
68 Albania	2.7	2.4	23.7	1.0	45.2	68.1	7.6	0.6	9.2	19.3	13.6	9.6	0.0	0.0
69 Macedonia (TFYR)	2.7	2.7	57.6	48.7	40.6	33.2	0.0	2.3	1.6	5.1	0.0	5.6	0.0	0.0
70 Brazil	134.0	209.5	7.2	6.5	43.9	42.2	2.4	8.0	13.3	13.9	31.1	26.5	0.4	1.2
<b>MEDIUM HUMAN DEVELOPMENT</b>														
71 Dominica	..	..	..	..	..	..	..	..	..	..	..	..	..	..
72 Saint Lucia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
73 Kazakhstan	73.7	52.4	54.2	52.6	28.2	14.5	14.5	33.5	0.9	1.3	0.2	0.1	0.0	0.0
74 Venezuela (Bolivarian Republic of)	43.9	60.9	1.1	0.1	43.2	50.4	47.2	38.1	7.2	10.6	1.2	0.9	0.0	0.0
75 Colombia	24.7	28.6	12.4	9.4	42.0	43.3	13.6	21.4	9.6	12.0	22.3	14.4	0.0	0.0
76 Ukraine	251.7	143.2	32.0	26.0	24.1	10.3	36.5	47.1	0.4	0.7	0.1	0.2	7.9	16.1
77 Samoa	..	..	..	..	..	..	..	..	..	..	..	..	..	..
78 Thailand	43.9	100.0	8.7	11.2	45.2	45.5	11.6	25.9	1.0	0.5	33.4	16.5	0.0	0.0
79 Dominican Republic	4.1	7.4	0.3	4.0	74.8	75.1	0.0	0.1	0.7	2.2	24.2	18.6	0.0	0.0
80 Belize	..	..	..	..	..	..	..	..	..	..	..	..	..	..
81 China	863.2	1,717.2	61.2	63.3	12.8	18.5	1.5	2.3	1.3	2.0	23.2	13.0	0.0	0.8
82 Grenada	..	..	..	..	..	..	..	..	..	..	..	..	..	..
83 Armenia	7.9	2.6	3.1	0.0	48.9	16.6	45.2	52.3	1.7	6.0	(.)	(.)	0.0	27.7
84 Turkey	53.0	85.2	31.9	26.4	44.6	35.1	5.4	26.7	4.6	5.6	13.6	6.3	0.0	0.0
85 Suriname	..	..	..	..	..	..	..	..	..	..	..	..	..	..
86 Jordan	3.5	7.1	0.0	0.0	95.3	78.5	2.9	19.5	1.7	1.0	0.1	(.)	0.0	0.0
87 Peru	10.0	13.8	1.5	6.7	58.5	53.5	4.1	10.6	9.0	12.8	26.9	16.4	0.0	0.0
88 Lebanon	2.3	5.6	0.0	2.4	93.7	92.9	0.0	0.0	1.9	1.8	4.4	2.3	0.0	0.0
89 Ecuador	6.1	10.4	0.0	0.0	75.9	83.5	3.7	4.4	7.0	5.7	13.5	5.1	0.0	0.0
90 Philippines	26.2	44.7	5.0	13.6	45.9	35.4	0.0	5.9	20.0	20.7	29.2	24.4	0.0	0.0
91 Tunisia	5.5	8.5	1.4	0.0	57.5	50.0	22.3	36.6	0.1	0.2	18.7	13.3	0.0	0.0
92 Fiji	..	..	..	..	..	..	..	..	..	..	..	..	..	..
93 Saint Vincent and the Grenadines	..	..	..	..	..	..	..	..	..	..	..	..	..	..
94 Iran (Islamic Republic of)	68.8	162.5	0.9	0.7	71.9	47.5	25.4	50.5	0.8	0.9	1.0	0.5	0.0	0.0
95 Paraguay	3.1	4.0	..	..	..	..	..	..	..	..	..	..	..	..
96 Georgia	12.3	3.2	4.8	0.5	47.1	25.3	36.9	33.5	5.3	17.0	3.7	20.1	0.0	0.0
97 Guyana	..	..	..	..	..	..	..	..	..	..	..	..	..	..
98 Azerbaijan	26.0	13.8	0.3	0.0	45.2	38.6	54.7	58.7	0.2	1.9	(.)	(.)	0.0	0.0
99 Sri Lanka	5.5	9.4	0.1	0.7	24.0	43.2	0.0	0.0	4.9	3.2	71.0	52.9	0.0	0.0
100 Maldives	..	..	..	..	..	..	..	..	..	..	..	..	..	..
101 Jamaica	2.9	3.8	1.1	1.0	82.4	86.5	0.0	0.0	0.3	0.3	16.2	12.2	0.0	0.0
102 Cape Verde	..	..	..	..	..	..	..	..	..	..	..	..	..	..
103 El Salvador	2.5	4.6	0.0	(.)	32.0	44.4	0.0	0.0	19.8	22.6	48.1	32.4	0.0	0.0
104 Algeria	23.9	34.8	2.6	2.0	40.6	31.7	56.7	66.0	(.)	0.1	0.1	0.2	0.0	0.0
105 Viet Nam	24.3	51.3	9.1	15.8	11.3	24.3	(.)	9.6	1.9	3.6	77.7	46.7	0.0	0.0
106 Occupied Palestinian Territories	..	..	..	..	..	..	..	..	..	..	..	..	..	..

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1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	
107 Indonesia	103.2	179.5	3.8	14.2	33.2	36.6	17.9	17.1	1.5	3.7	43.6	28.5	0.0	0.0
108 Syrian Arab Republic	11.7	17.9	0.0	(.)	86.3	65.3	11.7	33.0	2.0	1.7	(.)	(.)	0.0	0.0
109 Turkmenistan	19.6	16.3	1.5	0.0	38.0	26.5	62.4	75.0	0.3	(.)	0.0	0.0	0.0	0.0
110 Nicaragua	2.1	3.3	0.0	0.0	29.2	41.4	0.0	0.0	17.3	8.1	53.2	50.5	0.0	0.0
111 Moldova	10.0	3.6	20.0	2.1	49.3	19.0	32.8	69.0	0.2	0.2	0.4	2.1	0.0	0.0
112 Egypt	31.9	61.3	2.4	1.5	70.5	49.2	21.1	45.3	2.7	1.9	3.3	2.3	0.0	0.0
113 Uzbekistan	46.4	47.0	7.3	2.2	21.8	12.1	70.0	84.6	1.2	1.1	(.)	(.)	0.0	0.0
114 Mongolia	3.4	2.6	73.6	75.0	24.5	22.7	0.0	0.0	0.0	0.0	1.3	1.7	0.0	0.0
115 Honduras	2.4	3.9	(.)	2.9	31.1	51.0	0.0	0.0	8.1	4.0	62.0	42.0	0.0	0.0
116 Kyrgyzstan	7.6	2.8	33.2	19.7	40.5	22.5	19.9	22.1	11.3	43.8	0.1	0.1	0.0	0.0
117 Bolivia	2.8	5.3	0.0	0.0	46.5	56.2	22.6	25.8	3.7	4.0	27.2	14.0	0.0	0.0
118 Guatemala	4.5	8.0	0.0	3.1	28.8	40.5	0.0	0.0	3.4	3.5	67.9	53.2	0.0	0.0
119 Gabon	1.2	1.7	0.0	0.0	28.2	31.0	7.2	6.1	4.9	4.1	59.7	58.8	0.0	0.0
120 Vanuatu	..	..	..	..	..	..	..	..	..	..	..	..	..	..
121 South Africa	91.2	127.6	72.9	72.0	11.6	12.2	1.6	2.8	0.1	0.2	11.4	10.5	2.4	2.3
122 Tajikistan	5.6	3.5	11.2	1.3	36.8	42.6	24.8	14.0	25.4	41.5	0.0	0.0	0.0	0.0
123 Sao Tome and Principe	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124 Botswana	1.3	1.9	39.4	31.5	26.9	36.5	0.0	0.0	(.)	(.)	33.1	24.1	0.0	0.0
125 Namibia	..	1.4	..	0.2	..	66.8	..	0.0	..	10.3	..	13.5	..	0.0
126 Morocco	6.7	13.8	16.8	32.3	76.1	60.2	0.6	2.8	1.6	1.0	4.7	3.3	0.0	0.0
127 Equatorial Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
128 India	319.9	537.3	33.2	38.7	19.6	23.9	3.1	5.4	1.9	1.7	41.7	29.4	0.5	0.8
129 Solomon Islands	..	..	..	..	..	..	..	..	..	..	..	..	..	..
130 Lao People's Democratic Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
131 Cambodia	..	4.8	..	0.0	..	26.6	..	0.0	..	0.1	..	73.2	..	0.0
132 Myanmar	10.7	14.7	0.6	0.6	6.9	13.7	7.1	14.4	1.0	1.8	84.4	69.6	0.0	0.0
133 Bhutan	..	..	..	..	..	..	..	..	..	..	..	..	..	..
134 Comoros	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135 Ghana	5.3	8.9	0.0	0.0	18.9	28.7	0.0	0.0	9.2	5.1	73.1	66.0	0.0	0.0
136 Pakistan	43.4	76.3	4.8	5.3	25.2	21.9	23.2	33.0	3.4	3.5	43.2	35.5	0.2	0.8
137 Mauritania	..	..	..	..	..	..	..	..	..	..	..	..	..	..
138 Lesotho	..	..	..	..	..	..	..	..	..	..	..	..	..	..
139 Congo	1.1	1.2	0.0	0.0	26.5	38.2	0.0	0.0	4.0	2.5	69.4	56.3	0.0	0.0
140 Bangladesh	12.8	24.2	2.2	1.4	14.7	19.1	29.0	44.7	0.6	0.5	53.5	34.3	0.0	0.0
141 Swaziland	..	..	..	..	..	..	..	..	..	..	..	..	..	..
142 Nepal	5.8	9.2	0.8	2.0	4.5	9.2	0.0	0.0	1.3	2.3	93.4	86.6	0.0	0.0
143 Madagascar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
144 Cameroon	5.0	7.0	0.0	0.0	19.5	16.6	0.0	0.0	4.5	4.8	75.9	78.6	0.0	0.0
145 Papua New Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
146 Haiti	1.6	2.5	0.5	0.0	20.5	23.2	0.0	0.0	2.5	0.9	76.5	75.8	0.0	0.0
147 Sudan	10.6	18.4	0.0	0.0	17.5	19.9	0.0	0.0	0.8	0.6	81.7	79.5	0.0	0.0
148 Kenya	12.5	17.2	0.7	0.4	16.8	19.1	0.0	0.0	4.0	5.9	78.4	74.6	0.0	0.0
149 Djibouti	..	..	..	..	..	..	..	..	..	..	..	..	..	..
150 Timor-Leste	..	..	..	..	..	..	..	..	..	..	..	..	..	..
151 Zimbabwe	9.4	9.7	36.6	23.1	8.7	7.1	0.0	0.0	4.0	5.2	50.4	61.9	0.0	0.0
152 Togo	1.4	2.0	0.0	0.0	15.6	18.2	0.0	0.0	0.6	0.3	82.6	79.4	0.0	0.0
153 Yemen	2.6	6.7	0.0	0.0	97.0	98.8	0.0	0.0	0.0	0.0	3.0	1.2	0.0	0.0
154 Uganda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
155 Gambia	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>LOW HUMAN DEVELOPMENT</b>														
156 Senegal	2.2	3.0	0.0	3.1	39.2	55.3	0.2	0.4	0.0	2.0	60.6	39.2	0.0	0.0
157 Eritrea	..	0.8	..	0.0	..	35.2	..	0.0	..	(.)	..	64.8	..	0.0
158 Nigeria	70.9	103.8	0.1	(.)	15.0	13.9	4.6	7.5	0.5	0.7	79.8	78.0	0.0	0.0
159 Tanzania (United Republic of)	9.8	20.4	(.)	0.2	7.6	6.3	0.0	0.6	1.4	0.7	91.0	92.1	0.0	0.0

HDI rank	Share of TPES <sup>a</sup>													
	Total primary energy supply <sup>a</sup> (Mt of oil equivalent)		Fossil fuels				Renewable energy <sup>b</sup>				Other			
			Coal <sup>c</sup> (%)		Oil <sup>d</sup> (%)		Natural Gas (%)		Hydro, solar, wind and geothermal (%)		Biomass and waste <sup>e</sup> (%)		Nuclear (%)	
	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005	1990	2005
160 Guinea	..	..	..	..	..	..	..	..	..	..	..	..	..	..
161 Rwanda	..	..	..	..	..	..	..	..	..	..	..	..	..	..
162 Angola	6.3	9.9	0.0	0.0	23.2	28.5	7.0	6.2	1.0	1.5	68.8	63.8	0.0	0.0
163 Benin	1.7	2.6	0.0	0.0	5.8	33.3	0.0	0.0	0.0	(.)	93.2	64.7	0.0	0.0
164 Malawi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
165 Zambia	5.5	7.1	4.0	1.3	12.6	9.6	0.0	0.0	12.5	10.7	73.4	78.7	0.0	0.0
166 Côte d'Ivoire	4.4	7.8	0.0	0.0	24.8	23.9	0.0	17.8	2.6	1.6	72.1	58.3	0.0	0.0
167 Burundi	..	..	..	..	..	..	..	..	..	..	..	..	..	..
168 Congo (Democratic Republic of the)	11.9	17.0	1.8	1.5	10.1	3.2	0.0	0.0	4.1	3.7	84.0	92.5	0.0	0.0
169 Ethiopia	15.2	21.6	0.0	0.0	6.6	8.2	0.0	0.0	0.6	1.1	92.8	90.6	0.0	0.0
170 Chad	..	..	..	..	..	..	..	..	..	..	..	..	..	..
171 Central African Republic	..	..	..	..	..	..	..	..	..	..	..	..	..	..
172 Mozambique	7.2	10.2	0.5	0.0	4.6	5.2	0.0	0.2	0.3	11.2	94.4	85.4	0.0	0.0
173 Mali	..	..	..	..	..	..	..	..	..	..	..	..	..	..
174 Niger	..	..	..	..	..	..	..	..	..	..	..	..	..	..
175 Guinea-Bissau	..	..	..	..	..	..	..	..	..	..	..	..	..	..
176 Burkina Faso	..	..	..	..	..	..	..	..	..	..	..	..	..	..
177 Sierra Leone	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Developing countries	.. T	.. T	30.3	32.5	30.5	31.0	9.4	14.1	2.7	2.9	26.3	18.0	0.8	1.4
Least developed countries	.. T	.. T	..	..	..	17.4	..	..	..	..	..	..	..	..
Arab States	237.4 T	477.1 T	1.1	1.3	59.5	54.2	33.9	40.2	0.7	0.4	4.8	3.8	0.0	0.0
East Asia and the Pacific	.. T	.. T	..	..	..	25.1	..	..	..	..	..	..	..	..
Latin America and the Caribbean	.. T	.. T	4.5	4.8	51.9	48.7	16.8	21.7	7.9	9.0	17.7	14.3	0.7	1.1
South Asia	456.2 T	818.9 T	23.9	26.1	27.7	28.3	9.0	17.9	1.9	1.7	37.1	25.3	0.4	0.6
Sub-Saharan Africa	.. T	.. T	..	..	..	13.8	..	..	..	..	..	..	..	..
Central and Eastern Europe and the CIS	1,751.5 T	1,266.3 T	27.6	22.6	29.8	20.5	36.1	46.0	1.4	2.2	1.2	2.1	4.0	7.0
OECD	4,525.5 T	5,547.6 T	23.5	20.4	42.0	40.5	18.6	21.8	2.9	2.7	3.1	3.5	9.9	11.0
High-income OECD	4,149.4 T	5,101.1 T	22.2	19.9	42.3	40.6	19.0	21.7	2.9	2.6	3.0	3.4	10.6	11.6
High human development	5,950.8 T	6,981.2 T	21.7	18.3	40.9	39.3	22.8	26.0	2.8	2.9	3.4	3.9	8.3	9.5
Medium human development	.. T	3,816.7 T	36.8	40.6	24.7	25.1	12.9	13.8	2.0	2.5	22.7	16.8	1.0	1.2
Low human development	.. T	.. T	..	..	..	13.1	..	..	..	..	..	..	..	..
High income	4,300.4 T	5,423.2 T	21.7	19.0	42.9	41.5	19.5	22.7	2.8	2.5	2.9	3.2	10.2	11.0
Middle income	3,556.4 T	4,594.4 T	31.6	34.3	31.0	28.3	21.7	21.7	2.3	3.1	11.4	10.1	2.1	2.4
Low income	.. T	.. T	..	23.3	..	20.6	..	11.6	..	2.3	..	41.8	..	0.5
World	8,757.7 T <sup>f</sup>	11,433.9 T <sup>f</sup>	25.3	25.3 <sup>g</sup>	36.8 <sup>g</sup>	35.0 <sup>g</sup>	19.1 <sup>g</sup>	20.7 <sup>g</sup>	2.5 <sup>g</sup>	2.6 <sup>g</sup>	10.3 <sup>g</sup>	10.0 <sup>g</sup>	6.0 <sup>g</sup>	6.3 <sup>g</sup>

**NOTES**

- a. Total primary energy supply (TPES) is made up of 'indigenous production + imports - exports - international marine bunkers ± stock changes'. TPES is a measure of commercial energy consumption. In some instances, the sum of the shares by energy source may not sum up to 100% because pumped storage generation has not been deducted from hydroelectricity generation.
- b. In 2005, 12.6% of the world's energy needs were supplied by renewable sources. Hydro-electric power constitutes 17% of this total, solar/wind/other 1%, geothermal 3% and biomass and waste 79%. Shares for individual countries are different.
- c. Coal and coal products.

- d. Crude, natural gas liquids (NGLs), feedstocks and petroleum products.
- e. Biomass, also referred to as traditional fuel, is comprised of animal and plant materials (wood, vegetal waste, ethanol, animal materials/wastes and sulphite lyes). Waste is comprised of municipal waste (wastes produced by the residential, commercial and public service sectors that are collected by local authorities for disposal in a central location for the production of heat and/or power) and industrial waste.
- f. Data is a world aggregate from IEA 2007.
- g. Data calculated based on world aggregates from IEA 2007.

**SOURCES**

Columns 1-2: IEA 2007.  
Columns 3-14: calculated based on data on primary energy supply from IEA 2007.