

Table 1

Total energy supply

Petajoules

Table Notes

For tables 1 to 3

Data on individual energy commodities are aggregated and presented in these tables. As discussed in the introduction, these tables follow the principles of energy balances as recommended in IRES.

Although both Table 1 and Table 2 display figures for total energy supply, there may be rounding differences for certain countries or regions in the same year. This is due to the different ways they are added up.

Instead of breaking energy supply down by flow, Table 1 gives a longer historical perspective back to 1990. As such, historical countries that existed in 1990 are included here. Due to the break-up of the Former Union of Soviet Socialist Republics, there is a reallocation between Europe and Asia between 1991 and 1992.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Table 1

Total Energy Supply

Petajoules

Country or area	1990	2000	2005	2010	2015	2020	2023
World	346,394	402,308	459,782	512,982	543,813	562,977	612,629
Africa	14,268	18,805	22,009	25,408	28,124	30,518	32,456
Algeria	1,075	1,103	1,583	1,641	2,224	2,494	2,924
Angola	238	304	342	500	576	558	634
Benin	73	83	104	149	180	200	237
Botswana	51	74	84	96	104	119	135
Burkina Faso	*63	81	113	143	203	260	*274
Burundi	*51	53	*56	*59	62	67	67
Cabo Verde	*3	*6	8	9	*9	*9	*10
Cameroon	203	266	306	293	384	424	440
Central African Rep.	31	28	31	36	38	45	*56
Chad	48	62	71	82	96	103	107
Comoros	*3	*4	5	*6	*7	*10	*12
Congo	36	40	57	88	121	135	148
Côte d'Ivoire	204	278	418	347	412	453	634
Dem. Rep. of the Congo	495	584	698	832	1,210	1,371	*1,503
Djibouti	*6	8	*9	11	11	11	*12
Egypt	1,222	2,231	2,683	3,181	3,381	3,930	3,624
Equatorial Guinea	5	11	66	77	109	100	115
Eritrea	..	30	29	31	35	39	42
Eswatini	*28	35	36	37	41	46	47
Ethiopia	..	1,031	1,204	1,400	1,655	1,896	2,060
Ethiopia, incl. Eritrea	543	..	..	..	..	..	..
Gabon	49	60	67	85	103	94	99
Gambia	7	9	10	12	15	*17	*19
Ghana	187	265	241	287	387	490	548
Guinea	*83	*100	*115	*135	*149	184	186
Guinea-Bissau	*13	16	18	19	21	19	*23
Kenya	439	*627	*686	*793	1,022	1,195	1,264
Lesotho	*26	*30	32	36	*32	*29	28
Liberia	38	49	62	74	84	97	108
Libya	468	695	753	842	799	414	808
Madagascar	122	197	229	279	303	*381	*402
Malawi	*81	*96	109	129	147	172	*179
Mali	*61	*85	119	*176	*193	*232	*251
Mauritania	*23	29	36	46	*61	91	95
Mauritius	33	49	57	63	67	58	66
Mayotte	*1	*2	*3	4	..	..	..
Morocco	345	478	606	762	813	908	973
Mozambique	249	293	365	*409	497	512	537
Namibia	..	42	58	64	71	76	84
Niger	59	80	*90	*102	*121	*140	136
Nigeria	1,168	1,446	1,847	2,330	2,550	2,899	3,043
Réunion	24	42	49	58	..	..	..
Rwanda	35	54	71	84	*98	*109	*118
Sao Tome and Principe	*1	*2	*2	3	3	*3	*3
Senegal	*78	97	114	160	178	195	220
Seychelles	2	4	5	6	7	*8	*9
Sierra Leone	50	53	56	60	69	73	79
Somalia	69	90	108	128	142	167	182
South Africa	4,104	4,892	5,169	5,792	5,671	5,486	5,592
South Sudan	..	..	..	..	60	64	79
Sudan	..	..	..	..	409	527	423
Sudan (former)	451	556	654	711	..	..	..
Togo	55	89	99	131	130	168	167
Tunisia	204	296	342	432	463	449	463
Uganda	*324	403	525	654	816	1,013	970
United Rep. of Tanzania	409	564	694	791	914	1,038	1,123

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Country or area	1990	2000	2005	2010	2015	2020	2023
Zambia	222	263	301	340	413	488	*536
Zimbabwe	404	438	414	397	459	451	560
Asia	92,564	139,783	180,870	232,058	266,709	295,497	336,538
Afghanistan	*39	31	46	*141	164	161	194
Armenia	..	85	106	*106	135	156	164
Azerbaijan	..	485	573	486	605	644	730
Bahrain	202	337	436	513	577	665	687
Bangladesh	769	999	1,192	1,496	1,862	2,199	2,349
Bhutan	8	*10	12	22	26	24	43
Brunei Darussalam	87	102	93	136	114	164	165
Cambodia	*50	72	82	131	186	300	356
China	30,455	43,013	68,833	101,598	120,520	139,344	163,196
China, Hong Kong SAR	316	570	579	544	576	514	488
China, Macao SAR	13	22	27	32	43	36	39
Cyprus	58	90	94	103	85	89	94
Georgia	..	120	135	140	197	207	238
India	12,063	18,523	21,297	27,434	35,183	37,522	47,152
Indonesia	3,509	4,620	5,648	6,794	7,673	9,775	12,422
Iran (Islamic Rep. of)	2,819	5,386	7,216	8,579	10,024	12,011	12,963
Iraq	586	995	1,485	1,428	1,633	2,112	3,006
Israel	482	767	773	972	915	948	1,012
Japan	18,355	21,682	21,867	21,013	18,142	16,136	15,885
Jordan	140	207	291	308	369	337	392
Kazakhstan	..	1,554	2,356	3,363	3,180	2,760	3,133
Korea, Dem. Ppl's. Rep.	1,391	826	896	791	405	800	735
Korea, Republic of	3,866	7,877	8,820	10,454	11,463	11,536	11,545
Kuwait	566	817	1,133	1,384	1,485	1,315	1,821
Kyrgyzstan	..	101	114	115	167	150	176
Lao People's Dem. Rep.	*43	58	69	100	169	226	*270
Lebanon	*113	207	206	262	347	335	239
Malaysia	757	1,959	2,745	2,965	3,429	3,743	4,373
Maldives	2	6	9	13	18	24	33
Mongolia	114	86	103	164	253	378	465
Myanmar	367	467	535	564	765	879	807
Nepal	239	338	381	433	494	*630	*554
Oman	153	319	445	825	1,100	1,182	1,378
Other Asia	2,118	3,700	4,472	4,857	4,910	4,693	4,618
Pakistan	1,834	2,437	2,912	3,022	3,028	4,428	4,090
Philippines	1,113	1,598	1,523	1,701	2,136	2,369	2,745
Qatar	194	576	728	1,126	1,546	1,731	1,811
Saudi Arabia	2,694	4,623	6,220	7,934	9,767	10,274	9,693
Singapore	658	761	926	883	1,217	1,362	1,297
Sri Lanka	187	296	324	339	409	410	387
State of Palestine	*20	38	59	55	75	83	99
Syrian Arab Republic	476	729	741	911	417	405	392
Tajikistan	..	141	148	143	167	206	218
Thailand	1,778	3,055	4,049	4,933	5,685	5,522	5,357
Timor-Leste	..	..	4	5	7	9	9
Türkiye	2,211	3,182	3,529	4,442	5,390	6,131	6,588
Turkmenistan	..	625	754	951	972	990	1,408
United Arab Emirates	797	1,710	1,808	2,866	3,559	3,348	4,003
Uzbekistan	..	2,124	2,046	1,821	1,735	1,794	2,073
Viet Nam	791	1,262	1,756	2,334	3,207	4,165	4,389
Yemen	..	197	274	325	177	276	254
Yemen Arab Rep. (former)	*47	..	..	..	..	..	..
Yemen, Dem. (former)	*84	..	..	..	..	..	..
Europe	126,282	106,730	113,093	111,967	103,807	100,297	98,273
Albania	92	65	91	91	92	89	90

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Country or area	1990	2000	2005	2010	2015	2020	2023
Andorra	*7	9	10	10	9	7	8
Austria	1,041	1,198	1,413	1,428	1,372	1,326	1,266
Belarus	..	1,029	1,122	1,152	1,067	1,045	1,098
Belgium	1,999	2,418	2,423	2,505	2,186	2,109	1,986
Bosnia and Herzegovina	..	179	206	269	250	298	290
Bulgaria	1,181	773	826	741	775	728	700
Croatia	..	350	407	390	350	348	364
Czechia	..	1,746	1,898	1,892	1,758	1,683	1,592
Czechoslovakia (former)	2,950	..	..	..	..	..	..
Denmark	726	780	791	812	677	642	615
Estonia	..	188	222	247	204	188	178
Faeroe Islands	10	*10	*10	*9	*9	*11	*11
Finland	1,186	1,353	1,440	1,528	1,351	1,322	1,360
France	9,345	10,500	11,374	10,969	10,540	9,110	8,943
German Dem. R. (former)	*3,688	..	..	..	..	..	..
Germany	..	14,081	14,156	13,791	12,932	11,653	10,206
Germany, Fed. R. (former)	11,425	..	..	..	..	..	..
Gibraltar	3	6	5	6	5	5	5
Greece	895	1,134	1,268	1,158	967	816	810
Guernsey	..	0	1	1	1	1	1
Hungary	1,200	1,046	1,174	1,109	1,053	1,098	1,009
Iceland	88	143	163	287	328	363	375
Ireland	417	580	618	608	558	558	551
Isle of Man	..	..	1	4	4	5	4
Italy	6,138	7,183	7,797	7,277	6,374	5,744	5,663
Jersey	*1	1	3	3	3	3	3
Kosovo	..	65	82	105	106	112	107
Latvia	..	161	190	189	179	180	177
Liechtenstein	1	2	3	3	3	3	3
Lithuania	..	295	364	292	292	309	283
Luxembourg	143	142	185	178	158	145	130
Malta	29	29	37	35	27	29	32
Montenegro	..	..	42	48	42	44	45
Netherlands (Kingd. of the)	2,771	3,106	3,316	3,443	3,003	2,884	2,534
North Macedonia	..	113	121	121	110	113	111
Norway	879	1,092	1,215	1,314	1,063	1,148	1,118
Poland	4,393	3,784	3,891	4,256	4,004	4,284	4,070
Portugal	703	1,031	1,109	983	918	848	819
Republic of Moldova	..	66	89	91	108	113	106
Romania	2,621	1,532	1,626	1,474	1,341	1,349	1,283
Russian Federation	..	25,994	27,338	28,932	28,943	30,642	32,868
Serbia	..	..	669	648	612	663	660
Serbia and Montenegro	..	556	..	..	..	..	..
Slovakia	..	740	777	766	699	683	683
Slovenia	..	274	315	307	276	271	258
Spain	3,762	5,073	5,914	5,334	4,909	4,528	4,625
Sweden	1,965	1,968	2,123	2,099	1,833	1,807	1,820
Switzerland	1,018	1,042	1,080	1,088	1,015	972	934
Ukraine	..	5,574	5,872	5,491	3,753	3,547	2,385
United Kingdom	8,612	9,317	9,318	8,485	7,548	6,471	6,094
USSR (former)	55,194	..	..	..	..	..	..
Yugoslavia, SFR (former)	1,797	..	..	..	..	..	..
Latin America & Carib.	19,710	25,642	29,476	33,193	35,521	32,451	36,222
Anguilla	*1	*1	*2	*2	2	2	*2
Antigua and Barbuda	*4	*5	*6	*6	*8	*8	*9
Argentina	1,929	2,573	2,923	3,296	3,426	3,032	3,498
Aruba	*7	*54	58	*56	*13	*12	*13
Bahamas	*28	*28	*29	33	30	28	35
Barbados	15	18	19	22	18	17	18

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Country or area	1990	2000	2005	2010	2015	2020	2023
Belize	8	11	10	13	16	16	18
Bolivia (Plur. State of)	108	152	220	265	343	324	433
Bonaire, St Eustatius, Saba	..	..	..	..	*2	2	3
Brazil	5,972	7,998	9,212	10,948	12,393	11,719	12,780
British Virgin Islands	*1	*2	*2	*3	*3	*2	*3
Cayman Islands	4	*7	7	8	8	9	10
Chile	593	1,082	1,187	1,286	1,511	1,573	1,691
Colombia	976	1,125	1,191	1,413	1,641	1,727	1,915
Costa Rica	68	137	177	203	207	207	225
Cuba	604	452	404	488	454	342	354
Curaçao	..	..	..	..	95	20	23
Dominica	*1	2	2	3	*3	*2	*3
Dominican Republic	140	275	260	304	335	394	476
Ecuador	278	328	477	530	613	530	719
El Salvador	91	146	160	175	172	170	209
Falkland Is. (Malvinas)	1	*1	*1	*1	*1	*1	1
French Guiana	9	8	10	*12	..	..	..
Grenada	2	3	3	4	4	4	5
Guadeloupe	18	26	33	*32	..	..	..
Guatemala	195	307	385	394	480	650	766
Guyana	32	34	32	35	35	40	55
Haiti	101	128	138	159	176	184	158
Honduras	100	127	164	199	243	229	261
Jamaica	113	148	147	113	117	106	125
Martinique	21	*23	30	29	..	..	..
Mexico	5,210	6,363	7,611	7,606	7,890	7,310	8,007
Montserrat	0	0	1	1	1	0	0
Neth. Antilles (former)	82	83	84	69	..	..	..
Nicaragua	87	106	118	128	161	161	182
Panama	60	105	122	144	171	154	203
Paraguay	*114	188	180	204	258	266	274
Peru	421	554	589	807	935	926	1,170
Puerto Rico	*1	13	24	27	56	49	81
Saint Barthélemy	..	..	..	..	*1	*2	*2
Saint Martin (French Part)	..	..	..	..	*6	*6	*6
Sint Maarten (Dutch part)	..	..	..	..	*12	*10	*11
St. Kitts-Nevis	*2	*3	*3	3	*3	*3	*4
St. Lucia	*4	6	7	8	8	*7	*8
St. Vincent-Grenadines	*1	2	*3	3	4	4	*4
Suriname	29	36	26	40	43	45	42
Trinidad and Tobago	251	420	676	833	797	616	565
Turks and Caicos Islands	*1	*2	*3	*4	*5	*5	*5
Uruguay	96	119	126	173	213	217	257
Venezuela (Bolivar. Rep.)	1,931	2,442	2,613	3,107	2,610	1,316	1,595
Northern America	89,146	105,829	108,559	103,834	103,049	97,371	102,231
Bermuda	*7	*8	*9	*9	8	7	*8
Canada	8,852	10,556	11,270	10,892	11,479	11,914	12,299
Greenland	6	7	9	12	9	9	10
St. Pierre-Miquelon	1	*1	*1	*1	*1	*1	*1
United States	80,280	95,258	97,271	92,920	91,552	85,440	89,913
Oceania	4,424	5,519	5,774	6,522	6,604	6,844	6,910
American Samoa	*7	*6	*7	*7	*6	*6	*6
Australia	3,694	4,567	4,790	5,427	5,334	5,577	5,668
Cook Islands	*1	*1	1	*1	*1	*1	*1
Fiji	23	22	24	20	25	26	31
French Polynesia	*8	10	12	14	13	13	14
Kiribati	*1	1	1	1	1	*2	*2
Marshall Islands	..	*2	*2	*2	*2	*2	*2

Total Energy Supply

Petajoules

Country or area	1990	2000	2005	2010	2015	2020	2023
Micronesia (Fed. States of)	..	*3	2	2	2	*2	*2
Nauru	*2	*1	*1	*1	*1	*1	*1
New Caledonia	21	30	37	46	61	63	64
New Zealand	565	752	745	837	963	934	893
Northern Mariana Islands	..	*7	*7	*5	*5	*4	*4
Pacific Islands (former)	*3	..	..	..	..	..	..
Palau	..	*3	*3	3	*3	*3	*3
Papua New Guinea	88	99	126	139	167	189	*194
Samoa	*3	4	4	4	5	5	*5
Solomon Islands	*5	*7	*7	8	*9	*10	*11
Tonga	1	1	*2	2	2	2	2
Vanuatu	1	*2	2	3	3	4	5