

**Selected energy resources and reserves**

Million metric tons unless otherwise indicated

**Table Notes**

Based on country submissions and the publication *World Energy Resources - 2013 Survey*, World Energy Council (WEC), available at <http://www.worldenergy.org/publications/2013/world-energy-resources-2013-survey/>.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description /classification.

Table 36

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Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Afghanistan	112	66	400	..	..	..	..	..
Albania	..	..	..	794	794	..	..	155
Algeria	64	59	164	..	..	..	..	..
Angola	..	..	..	..	..	..	..	..
Argentina	4	..	..	8,047	500	273	90	*80
Armenia	..	163	..	..	..	..	..	..
Australia	56,200	37,100	125,000	44,300	39,300	215,000	..	..
Austria	1	..	3	333	25	61	..	..
Azerbaijan	..	..	..	..	..	..	..	..
Bahrain	..	..	..	..	..	..	..	..
Bangladesh	1,054	293	..	..	..	..	*138	..
Barbados	..	..	..	..	..	..	..	..
Belarus	..	..	..	..	100	..	323	323
Belgium	715	410	1,400	..	..	..	..	..
Belize	..	..	..	..	..	..	..	..
Benin	..	..	..	..	..	..	..	..
Bhutan	..	..	..	..	..	..	..	..
Bolivia (Plur. State of)	..	1	..	..	..	..	..	..
Bosnia and Herzegovina	..	484	..	..	2,369	..	..	..
Botswana	7,189	40	205,253	..	..	..	..	..
Brazil	..	..	..	6,513	4,559	15,319	..	..
Brunei Darussalam	..	..	..	..	..	..	..	..
Bulgaria	428	2	1,200	5,981	2,364	2,618	5	5
Burkina Faso	..	..	..	..	..	..	..	..
Burundi	..	..	..	..	..	..	56	56
Cambodia	..	..	..	..	..	..	..	..
Cameroon	..	..	..	..	..	..	..	..
Canada	4,651	3,474	26,045	17,371	3,108	31,990	1,092	..
Central African Rep.	..	..	..	4	3	..	..	..
Chad	..	..	..	..	..	..	..	..
Chile	79	31	125	4,579	155	5,000	..	..
China	114,500	62,200	363,200	108,800	52,300	304,700	4,687	328
Colombia	7,064	6,366	13,173	411	380	3,176	..	..
Congo	..	..	..	..	..	..	..	..
Costa Rica	..	..	..	27	..	22	48	..
Côte d'Ivoire	..	..	..	..	..	..	..	..
Croatia	4	4	..	41	33	..	..	..
Cuba	..	..	..	..	..	..	..	..
Cyprus	..	..	..	..	..	..	..	..
Czech Republic	1,524	192	..	2,812	908	..	..	..
Dem. Rep. of the Congo	720	88	..	..	..	..	..	..
Denmark	..	..	..	63	..	..	..	..
Dominica	..	..	..	..	..	..	..	..
Dominican Republic	..	..	..	..	..	..	..	..
Ecuador	..	..	..	30	24	6	..	..
Egypt	25	16	..	27	22	52	..	..
El Salvador	..	..	..	..	..	..	..	..
Equatorial Guinea	..	..	..	..	..	..	..	..
Estonia	..	..	..	..	..	..	2,000	2,000
Ethiopia	..	..	..	23	11	..	..	..
Faeroe Islands	..	..	..	..	..	..	..	..
Falkland Is. (Malvinas)	..	..	..	..	..	..	..	..
Fiji	..	..	..	..	..	..	..	..
Finland	..	..	..	..	..	..	850	420
France	593	95	200	124	21	165	..	..
French Guiana	..	..	..	..	..	..	..	..
French Polynesia	..	..	..	..	..	..	..	..
Gabon	..	..	..	..	..	..	..	..
Georgia	..	201	..	..	..	..	..	..
Germany	319	99	8,065	40,600	40,600	34,100	157	96

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources	
..	50	..	..	..	..	..	394,000
..	5	30	..	..	5	..	40,000
..	4,504	3,170	..	..	..	19,500	12,000
..	161	1,296	..	..	74	..	150,000
50	399	355	..	57	..	8,600	11,000
..	164	..	..	44	..	..	354,000
..	819	450	4,531	..	..	1,180,100	558,700
..	16	7	1	..	..	..	22,000
..	1,359	955	..	..	..	..	150,000
..	91	*160	..	20	..	..	44,000
*138	344	3	..	..	..	..	..
..	0	1	..	..	..	..	4,000
1,479	3	*27	1,000	..	..	..	..
..	0	..	..	..	..	..	8,000
..	..	1	..	..	..	..	1,000
..	1	*1	..	..	..	..	1,000
..	..	..	..	..	..	..	2,000
..	710	*54	..	..	..	..	263,000
..	..	..	..	..	..	..	178,000
..	..	..	..	..	..	..	70,000
..	..	..	..	..	23,100	59,100	..
487	245	2,053	11,734	..	155,700	121,000	3,040,000
..	350	150	..	..	..	..	..
..	1	160	18	..	..	..	27,000
..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	6,000
..	..	..	..	..	..	..	88,000
..	150	168	..	..	..	..	294,000
336,908	1,754	678	2,192	27,134	421,900	192,500	2,067,000
..	..	..	..	..	12,000	..	7,000
..	..	205	..	..	..	..	150
..	46	4	3	..	700	1,200	227,000
952	3,090	2,789	47,600	120	109,500	56,600	6,083,000
..	124	260	..	..	5	..	1,000,000
..	91	218	..	..	81	..	50,000
22	..	..	..	..	..	..	224,000
..	42	14	..	..	..	..	46,000
..	36	10	..	..	..	..	20,000
280	71	*19	..	..	8	..	3,000
..	..	..	..	..	..	..	59,000
..	4	2	..	..	300	100	13,000
..	1	25	14,310	5	1,400	1,300	1,397,000
..	66	111	..	..	..	..	120
..	..	..	..	..	..	..	200
..	..	..	..	..	..	..	50,000
..	9	982	..	..	7	..	169,000
..	2,170	600	816	8	..	1,900	125,000
..	..	..	..	..	..	..	7,000
..	120	150	..	..	..	..	..
..	..	..	2,494	..	..	..	2,000
..	25	0	..	..	..	..	650,000
..	..	..	..	..	..	..	1,000
28	..	..	..	..	..	..	..
..	..	..	..	..	..	..	3,000
2,200	..	..	..	..	1,100	..	31,000
..	7	*14	1,002	..	11,500	100	270,000
..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	1,000
..	29	505	..	..	4,800	1,000	200,000
..	8	5	..	..	0	..	136,000
200	126	21	286	..	3,000	4,000	120,000

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Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Ghana	..	..	..	..	..	..	..	..
Greece	..	..	..	5,312	3,020	..	4,000	..
Greenland	..	..	..	183	183	200	..	..
Grenada	..	..	..	..	..	..	..	..
Guatemala	..	..	..	..	..	..	..	..
Guinea	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	..	..	..	..	..	..
Guyana	..	..	..	..	..	..	..	..
Haiti	..	..	..	13	..	27	..	..
Honduras	..	..	..	21	..	..	..	..
Hungary	14	13	298	2,188	1,647	2,630	..	..
Iceland	..	..	..	..	..	..	..	..
India	105,820	56,100	157,435	4,500	4,500	32,893	..	..
Indonesia	4,479	1,520	6,035	17,772	4,009	38,704	49,000	..
Iran (Islamic Rep. of)	11,143	1,203	..	2,295	..	..	..	..
Iraq	..	..	..	..	..	..	..	..
Ireland	19	14	26	..	9	..	154	106
Israel	..	..	..	..	..	..	500	386
Italy	..	..	..	10	10	600	..	..
Jamaica	..	..	..	..	..	..	200	32
Japan	4,603	340	6,298	160	10	7,122	..	..
Jordan	..	..	..	..	..	..	..	..
Kazakhstan	..	21,500	..	..	12,100	..	..	..
Kenya	..	..	..	..	..	..	..	..
Korea, Dem.Ppl's.Rep.	2,000	300	2,700	300	300	2,200	..	..
Korea, Republic of	138	133	272	209	126	812	..	..
Kuwait	..	..	..	..	..	..	..	..
Kyrgyzstan	..	..	..	..	812	..	..	..
Lao People's Dem. Rep.	..	4	..	..	499	..	..	..
Latvia	..	..	..	..	..	..	190	94
Lebanon	..	..	..	..	..	..	..	..
Lesotho	..	..	..	..	..	..	..	..
Liberia	..	..	..	..	..	..	..	..
Libya	..	..	..	..	..	..	..	..
Lithuania	..	..	..	..	..	..	937	269
Madagascar	1,000	..	..	75	..	..	..	..
Malawi	15	2	..	..	2	..	..	..
Malaysia	15	4	78	126	..	575	..	..
Mali	..	..	..	..	..	3	..	..
Mauritania	..	..	..	..	..	..	..	..
Mauritius	..	..	..	..	..	..	..	..
Mexico	1,211	860	1,960	732	351	213	..	..
Mongolia	12,000	1,170	..	12,000	1,350	..	..	..
Montenegro	..	142	..	..	..	..	..	..
Morocco	16	5	..	42	..	2	..	..
Mozambique	..	212	155	..	..	..	..	..
Myanmar	5	2	120	..	..	80	..	..
Namibia	..	..	..	..	..	..	..	..
Nepal	..	..	..	1	1	7	..	..
Netherlands	1,406	497	2,750	..	..	..	120	120
New Caledonia	4	2	8	..	..	..	..	..
New Zealand	45	33	942	2,673	538	11,902	1,640	..
Nicaragua	..	..	..	..	..	..	..	..
Niger	..	70	..	..	..	..	..	..
Nigeria	..	21	21	338	169	1,000	..	..
Norway	54	1	..	64	5	100	745	350
Oman	..	..	..	..	..	..	..	..
Pakistan	1	1	5	3,451	2,070	68,068	..	..
Panama	..	..	..	..	..	..	..	..
Papua New Guinea	..	..	..	..	..	..	..	..

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)	
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
..	24	*20	..	..	..	..	..	28,000
..	2	1	..	..	..	1,000	6,000	80,000
..	..	..	..	..	..	..	134,700	550,000
..	..	..	..	..	..	..	..	38
..	3	*9	..	..	..	..	..	59,000
..	..	232	..	..	..	..	..	26,000
..	..	..	..	..	..	..	..	1,000
..	..	..	..	..	..	..	..	81,000
..	..	..	..	..	..	..	..	4,000
..	..	..	..	..	..	..	..	16,000
238	67	5	8	..	..	..	8,600	10,000
..	..	..	..	..	..	..	..	184,000
..	1,074	777	..	..	..	77,000	27,900	2,638,000
..	3,186	532	..	..	67	8,400	2,200	2,147,000
..	29,610	20,624	..	..	..	700	1,800	448,000
..	3,170	15,686	..	..	..	..	..	225,000
140	10	0	..	..	..	..	..	1,000
1,000	24	0	550	0	..	..	..	0
2,500	70	76	10,446	48	4,800	1,300	..	190,000
..	..	..	..	..	..	..	..	1,000
..	51	8	..	..	..	6,600	..	718,000
..	15	0	5,242	5	..	0	33,800	4,000
..	3,000	4,092	400	6,689	402,400	417,300	..	170,000
..	..	..	..	..	..	..	..	24,000
..	..	..	..	..	..	..	..	..
..	3	..	..	..	..	..	..	52,000
..	1,780	13,845	..	..	..	..	..	..
..	6	5	..	..	..	..	..	163,000
..	..	..	..	..	..	..	..	233,000
760	..	..	..	..	..	..	..	7,000
..	..	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	5,000
..	..	..	..	..	..	..	..	28,000
..	1,540	6,424	..	..	..	..	..	..
..	..	2	..	..	..	..	..	6,000
..	2	..	5	35	..	..	..	321,000
..	..	..	..	..	..	11,300	5,700	15,000
..	2,330	546	..	..	..	..	..	230,000
..	..	..	..	..	..	..	..	12,000
..	28	*14	..	..	..	..	..	..
..	..	..	..	..	..	..	..	150
..	360	1,367	..	..	0	2,800	0	430,000
..	..	2	42	..	..	30,600	25,100	57,000
..	..	..	..	..	..	..	..	27,000
..	2	0	8,167	..	..	..	..	12,000
..	127	..	..	..	..	..	..	103,000
..	590	7	286	..	..	..	..	348,000
..	20	..	..	..	..	362,600	155,500	23,000
..	0	..	..	..	..	..	..	733,000
..	1,245	39	..	..	..	..	..	11,000
..	..	..	..	..	..	..	..	2,000
..	46	20	3	..	..	..	..	205,000
..	..	..	..	..	..	..	..	33,000
..	..	..	..	..	..	340,600	104,900	3,000
..	5,292	5,074	..	..	91	..	..	43,000
7,015	2,215	726	..	..	..	..	..	600,000
..	950	750	..	..	..	..	..	..
..	840	40	..	..	..	..	..	475,000
..	..	..	..	..	..	..	..	26,000
..	442	*12	..	..	..	..	..	175,000

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Country or area	Bituminous coal / Anthracite			Sub-bituminous coal / Lignite			Peat	
	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves	Estimated additional amount in place	Proved amount in place	Proved recoverable reserves
Paraguay	..	..	..	..	..	..	..	..
Peru	..	44	..	..	100	..	..	..
Philippines	50	41	8	394	275	37	..	..
Poland	16,967	4,338	27,405	1,661	1,371	11,837	890	..
Portugal	8	3	..	38	33	..	..	..
Qatar	..	..	..	..	..	..	..	..
Republic of Moldova	..	..	..	..	..	..	..	..
Romania	28	10	2,143	3,810	281	8,177	25	13
Russian Federation	194,000	49,088	200,000	124,823	107,922	200,000	17,680	11,554
Rwanda	..	..	..	..	..	..	..	..
Samoa	..	..	..	..	..	..	..	..
Saudi Arabia	..	..	..	..	..	..	..	..
Senegal	..	..	..	..	..	..	40	24
Serbia	22	9	..	20,836	13,761	..	..	..
Serbia and Montenegro	..	..	..	..	..	..	..	..
Sierra Leone	..	..	..	..	..	..	..	..
Slovakia	2	2	..	519	260	..	..	..
Slovenia	..	..	..	644	223	40	..	..
Solomon Islands	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..
South Africa	115,000	30,156	5,000	30	..	100	47	30
Spain	812	200	3,000	584	330	1,260	94	70
Sri Lanka	..	..	..	..	..	..	5	5
Sudan (former)	..	..	..	..	..	..	..	..
Suriname	..	..	..	..	..	..	..	..
Swaziland	1,000	144	793	..	..	..	..	..
Sweden	..	..	..	4	1	20	700	70
Switzerland	..	..	..	..	..	..	..	..
Syrian Arab Republic	..	..	..	..	..	..	..	..
T.F.Yug.Rep. Macedonia	..	..	..	..	332	..	..	..
Tajikistan	..	375	..	..	..	..	..	..
Thailand	..	..	..	2,056	1,239	2,857	..	..
Togo	..	..	..	..	..	..	..	..
Trinidad and Tobago	..	..	..	..	..	..	..	..
Tunisia	..	..	..	..	..	..	..	..
Turkey	590	529	249	2,166	1,814	296	..	..
Turkmenistan	..	..	..	..	..	..	..	..
Uganda	..	..	..	..	..	..	..	..
Ukraine	20,467	15,351	5,170	24,697	18,522	6,174	2,160	684
United Arab Emirates	..	..	..	..	..	..	..	..
United Kingdom	386	228	190	1,000	500	..	..	..
United Rep. of Tanzania	*304	200	*1,500	..	..	..	..	..
United States	241,607	108,501	445,346	200,807	128,794	667,415	26,000	13,000
Uruguay	..	..	..	..	..	..	..	..
Uzbekistan	..	47	..	..	1,853	..	..	..
Venezuela (Bolivar. Rep.)	1,328	479	4,528	..	..	..	..	..
Viet Nam	312	150	..	..	..	..	..	..
Yemen	..	..	..	..	..	..	..	..
Zambia	..	10	..	69	55	18	..	..
Zimbabwe	1,535	502	5,820	965	..	..	..	..

Peat	Proved recoverable reserves				Uranium (metric tons)		Hydropower (Gross theoretical capability) (GWh/Year)	
	Estimated additional amount in place	Natural gas (billions cubic metres)	Crude oil and NGL	Oil shale	Bituminous sands	Reasonably assured resources		Inferred Resources
200	..	..	..	..	..	..	..	111,000
..	335	79	..	..	1	1,300	1,300	1,577,000
..	93	18	..	..	..	..	..	47,000
2,300	75	16	7	..	..	..	..	25,000
..	..	..	..	..	..	6,000	1,000	32,000
..	25,172	3,465	..	..	..	..	..	..
..	..	..	..	..	..	..	..	2,000
10	102	54	..	..	1	3,100	3,600	70,000
168,320	44,900	8,184	35,470	4,518	218,300	432,000	432,000	2,295,000
2,000	57	..	..	..	..	..	..	2,000
..	..	..	..	..	..	..	..	140
..	7,569	36,201	..	..	..	..	..	..
52	10	0	..	..	..	..	..	11,000
..	48	11	..	..	..	..	..	27,000
..	45	22	..	..	..	..	..	118,000
..	..	..	..	..	..	..	..	11,000
..	15	1	..	..	..	0	9,000	10,000
..	0	0	..	..	..	1,700	7,500	19,000
..	..	..	..	..	..	..	..	3,000
..	6	..	..	..	..	5,000	2,600	2,000
..	10	2	19	..	..	192,900	179,200	73,000
..	3	20	40	..	..	14,000	0	162,000
46	..	..	..	..	..	..	..	21,000
..	85	682	..	..	..	..	..	48,000
..	..	*12	..	..	..	..	..	39,000
..	..	..	..	..	..	..	..	4,000
..	..	..	875	..	..	5,000	8,500	200,000
..	..	..	..	..	..	..	..	125,000
..	300	335	..	..	..	..	..	11,000
..	..	..	..	..	..	..	..	9,000
..	6	2	..	..	..	..	..	527,000
..	340	*82	916	..	..	..	..	18,000
..	..	..	..	..	..	..	..	4,000
..	481	46	..	..	1	..	..	..
..	92	55	..	..	..	..	..	1,000
..	6	43	284	..	..	7,300	..	433,000
..	8,400	82	1,100	..	..	..	..	24,000
..	..	..	..	..	..	..	..	33,000
1,846	787	54	600	..	..	143,300	81,300	45,000
..	6,432	13,340	..	..	..	..	..	..
..	292	382	501	12	..	..	..	35,000
..	24	..	..	..	..	30,100	15,600	39,000
..	7,022	4,215	536,931	3	..	472,100	..	2,040,000
46	..	..	..	..	..	..	..	32,000
..	1,745	81	1,200	..	..	64,300	31,900	88,000
..	4,983	28,780	..	9,212	..	..	..	731,000
..	217	600	..	..	..	1,000	5,400	300,000
..	555	409	..	..	..	..	..	..
..	..	..	..	..	..	9,900	5,700	53,000
..	..	..	..	..	..	1,400	..	44,000