

ELECTRICITY PROFILES

Statistics on electricity

Afghanistan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*1022	1356	1339	1394	1420	1266
Combustible fuels	*218	159	149	155	176	200
Hydro	*804	1197	1190	1239	1244	1066
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*746	1049	1034	1076	1098	979
Combustible fuels	*213	154	144	150	168	193
Hydro	*533	895	890	927	930	786
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	*57	*365	*365	*398	*410	*287
Net production	*965	991	974	996	1010	979
Imports	3615	3711	3779	4333	4611	4986
Exports	..	..	..	..	..	..
Losses	*490	*500	*600	*660	*710	*790
Consumption	*3322	*3767	*3888	*4386	*4515	*4740
Energy industries own use	..	..	..	..	..	..
By industry and construction	*800	*800	*900	*920	*945	*992
By transport	..	..	..	..	..	..
By households and other cons.	*2522	*2967	*2988	*3466	*3570	*3748
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*431	*431	519	*519	*519	*519
Combustible fuels	*115	*115	*135	*135	*135	*135
Hydro	*316	*316	384	*384	*384	*384
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	*249	*249	324	*324	*324	*324
Combustible fuels	*60	*60	*70	*70	*70	*70
Hydro	*189	*189	254	*254	*254	*254
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Hard Coal	*1419	*1290	*1264	*1290	*1367	*1445
Gas-diesel oil	*1075	*645	*645	*860	*860	*1402
Fuel oil	*40	*40	*40	*40	40	*40
Total input	*2534	*1975	*1950	*2190	*2268	*2887
Total production	*786	572	537	557	635	720
Estimated efficiency (% of production to input)	31	29	28	25	28	25

Statistics on electricity

Albania

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	6956	4724	5895	7136	4526	8552
Combustible fuels	..	..	..	..	..	..
Hydro	6956	4724	5895	7136	4526	8552
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	6956	4724	5895	7136	4526	8552
Combustible fuels	..	..	..	..	..	..
Hydro	6956	4724	5895	7136	4526	8552
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	0	0	29	0	28	45
Net production	6956	4724	5866	7136	4498	8507
Imports	2323	3250	2355	1827	2915	850
Exports	0	183	956	1869	0	1764
Losses	1953	1119	1250	1986	1276	1156
Consumption	7325	6672	6015	5237	6135	6199
Energy industries own use	433	149	118	141	179	115
By industry and construction	1388	1466	1245	1272	1255	1316
By transport	..	..	..	..	..	..
By households and other cons.	5505	5057	4652	3823	4701	4769
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1904	1849	1922	1925	2172	2229
Combustible fuels	123	123	123	*123	123	123
Hydro	1781	1726	1799	1801	2048	2105
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Main activity	1879	1824	1897	1900	2147	2204
Combustible fuels	98	98	98	*98	98	98
Hydro	1781	1726	1799	1801	2048	2105
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Combustible fuel input	Terajoules					
Refinery gas	0	0	0	0	0	0
Other oil products	0	0	0	0	0	..
Total input	0	0	0	0	0	0
Total production	..	..	..	..	..	..
Estimated efficiency (% of production to input)	..	..	..	..	..	..

Statistics on electricity
Algeria

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	59890	64242	68798	70839	76018	76664
Combustible fuels	59560	63988	68576	70661	75383	75880
Hydro	330	254	145	145	*517	*638
Nuclear	..	..	..	..	..	..
Other	..	..	77	33	*118	*146
Main activity	56148	60500	64663	66075	70898	71227
Combustible fuels	55818	60246	64441	65897	70263	70443
Hydro	330	254	145	145	*517	*638
Nuclear	..	..	..	..	..	..
Other	..	..	77	33	*118	*146
Own use in electricity, CHP and heat plants	4873	6549	6586	6807	7473	7702
Net production	55017	57693	62212	64032	68545	68962
Imports	295	686	610	257	537	506
Exports	384	877	641	507	880	597
Losses	11023	11003	11196	10682	10869	9904
Consumption	43908	46499	50985	53100	57333	58966
Energy industries own use	750	748	832	812	957	813
By industry and construction	15670	16020	17441	18574	20181	20669
By transport	796	867	974	1014	1069	1173
By households and other cons.	26692	28864	31738	32700	35126	36311
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	15098	*16199	17239	19006	19474	20963
Combustible fuels	14870	*15971	16961	18549	18892	20480
Hydro	228	228	228	228	228	129
Nuclear	..	..	..	..	..	..
Other	..	..	50	229	354	354
Main activity	10784	*11885	12925	14692	15160	14884
Combustible fuels	10556	*11657	12647	14235	14578	14401
Hydro	228	228	228	228	228	129
Nuclear	..	..	..	..	..	..
Other	..	..	50	229	354	354
Combustible fuel input	Terajoules					
Gas-diesel oil	15265	15695	18103	17544	9761	9469
Natural gas	573653	623247	701791	680994	722981	740892
Total input	588918	638942	719894	698538	732742	750361
Total production	214416	230357	246874	254380	271379	273168
Estimated efficiency (% of production to input)	36	36	34	36	37	36

Statistics on electricity

American Samoa

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	156	156	161	170	167	*168
Combustible fuels	154	153	159	167	162	*163
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	3	5	5
Main activity	156	156	161	170	167	*168
Combustible fuels	154	153	159	167	162	*163
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	3	5	5
Own use in electricity, CHP and heat plants	7	7	7	8	8	*8
Net production	149	149	154	161	159	*161
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	14	13	13	14	11	*12
Consumption	136	136	141	147	*148	*149
Energy industries own use	..	..	..	..	..	..
By industry and construction	23	23	22	32	*30	*32
By transport	..	..	..	..	..	..
By households and other cons.	112	113	119	115	*118	*117
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*43	43	46	50	50	*51
Combustible fuels	*41	41	44	46	46	*46
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	4	4	5
Main activity	*43	43	46	50	50	*51
Combustible fuels	*41	41	44	46	46	*46
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	4	4	5
Combustible fuel input	Terajoules					
Gas-diesel oil	1544	1514	1574	1694	1602	*1634
Total input	1544	1514	1574	1694	1602	*1634
Total production	554	553	572	600	583	*588
Estimated efficiency (% of production to input)	36	37	36	35	36	36

Statistics on electricity

Andorra

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	115	127	100	99	*106	*139
Combustible fuels	13	13	14	14	17	20
Hydro	102	113	86	84	*88	*118
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	1	*1
Main activity	115	127	100	99	*106	*139
Combustible fuels	13	13	14	14	17	20
Hydro	102	113	86	84	*88	*118
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	1	*1
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	115	127	99	99	*106	*139
Imports	466	439	471	485	470	439
Exports	0	0	0	0	0	0
Losses	71	68	68	67	67	68
Consumption	482	475	484	491	490	492
Energy industries own use	..	..	..	..	..	..
By industry and construction	10	8	8	8	8	11
By transport	..	..	..	..	..	..
By households and other cons.	473	467	476	483	482	482
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	51	51	51	51	52	53
Combustible fuels	5	5	5	5	5	5
Hydro	46	46	46	46	46	46
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	1	2
Main activity	51	51	51	51	52	53
Combustible fuels	5	5	5	5	5	5
Hydro	46	46	46	46	46	46
Nuclear	..	..	..	..	..	..
Other	..	0	0	0	1	2
Combustible fuel input	Terajoules					
Municipal waste	*232	*241	*248	*255	*306	*366
Total input	*232	*241	*248	*255	*306	*366
Total production	46	48	50	51	61	73
Estimated efficiency (% of production to input)	20	20	20	20	20	20

Statistics on electricity

Angola

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	8231	9497	9783	10379	10737	11753
Combustible fuels	3449	4439	4572	4546	3066	3001
Hydro	4767	5041	5193	5815	7653	8734
Nuclear	..	..	..	..	..	..
Other	15	17	18	18	18	18
Main activity	7758	8951	9221	9783	10307	11332
Combustible fuels	2976	3893	4010	3950	2636	2580
Hydro	4767	5041	5193	5815	7653	8734
Nuclear	..	..	..	..	..	..
Other	15	17	18	18	18	18
Own use in electricity, CHP and heat plants	218	251	259	274	283	308
Net production	8013	9246	9524	10105	10454	11445
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	926	1068	1100	1167	1207	1322
Consumption	7087	8178	8424	8938	9247	10124
Energy industries own use	..	..	..	..	..	..
By industry and construction	2389	2757	2840	3013	3117	3413
By transport	..	..	..	..	..	..
By households and other cons.	4698	5421	5584	5925	6130	6711
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1541	*2082	*2546	*2886	*4422	5010
Combustible fuels	*770	*770	*1091	*1284	*2067	*2298
Hydro	*760	*1300	*1442	*1589	*2342	2699
Nuclear	..	..	..	..	..	..
Other	11	12	13	13	13	13
Main activity	*1411	*1952	*2362	*2669	*4172	4760
Combustible fuels	*640	*640	*907	*1067	*1817	*2048
Hydro	*760	*1300	*1442	*1589	*2342	2699
Nuclear	..	..	..	..	..	..
Other	11	12	13	13	13	13
Combustible fuel input	Terajoules					
Gas-diesel oil	28294	*42226	*42398	*39345	*25499	*23951
Fuel oil	2788	3030	1697	2343	1535	3208
Bagasse	..	432	502	1861	2402	2402
Total input	31082	*45688	*44597	*43549	*29436	*29560
Total production	12416	15980	16459	16366	11038	10804
Estimated efficiency (% of production to input)	40	35	37	38	37	37

Statistics on electricity
Anguilla

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	89	90	95	104	80	87
Combustible fuels	89	90	94	103	80	87
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	*1	0	0
Main activity	89	90	95	104	80	87
Combustible fuels	89	90	94	103	80	87
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	0	*1	0	0
Own use in electricity, CHP and heat plants	3	3	3	3	3	3
Net production	86	87	92	100	77	84
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	9	9	10	9	*9	*10
Consumption	*77	*78	*81	*91	*68	74
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*77	*78	*81	*91	*68	74
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	33	33	34	34	24	*25
Combustible fuels	33	33	33	33	24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	1	*1	*1
Main activity	33	33	34	34	24	*25
Combustible fuels	33	33	33	33	24	*24
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	1	1	*1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	796	821	860	*925	*808	*839
Total input	796	821	860	*925	*808	*839
Total production	319	322	339	371	287	312
Estimated efficiency (% of production to input)	40	39	39	40	35	37

Statistics on electricity

Antigua and Barbuda

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*332	*338	*347	*353	*353	362
Combustible fuels	*330	*336	*340	*344	*344	349
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	7	9	9	13
Main activity	*331	*337	*346	*352	*352	361
Combustible fuels	*329	*335	*339	*343	*343	348
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	7	9	9	13
Own use in electricity, CHP and heat plants	*17	*9	*10	*13	*8	27
Net production	*315	*329	*337	*340	*345	335
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	76	*87	*87	*87	*90	*55
Consumption	*237	*242	*250	*253	*255	*287
Energy industries own use	..	..	..	..	..	..
By industry and construction	*8	*9	*10	*12	*12	*13
By transport	..	..	..	..	..	..
By households and other cons.	*229	*233	*240	*241	*243	*274
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*113	*116	*117	*117	*119	91
Combustible fuels	*111	*111	*111	*111	*113	82
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	5	6	6	6	9
Main activity	*112	*115	*116	*116	*118	90
Combustible fuels	*110	*110	*110	*110	*112	81
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	5	6	6	6	9
Combustible fuel input	Terajoules					
Gas-diesel oil	*2365	*2365	*2365	*2365	*2365	*2365
Fuel oil	*1414	*1414	*1454	*1495	*1495	*1535
Total input	*3779	*3779	*3819	*3860	*3860	*3900
Total production	*1188	*1210	*1224	*1238	*1238	1256
Estimated efficiency (% of production to input)	31	32	32	32	32	32

Statistics on electricity

Argentina

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	140868	138551	145363	146353	145618	152224
Combustible fuels	100763	90825	96159	99479	97257	102820
Hydro	33422	41335	41451	38028	41645	41430
Nuclear	6207	5756	7139	*8285	6088	6453
Other	476	635	614	561	628	1521
Main activity	126147	124338	131402	131526	130874	137480
Combustible fuels	86095	76649	82225	84698	82559	88122
Hydro	33369	41298	41424	37982	41599	41384
Nuclear	6207	5756	7139	*8285	6088	6453
Other	476	635	614	561	628	1521
Own use in electricity, CHP and heat plants	5216	3641	3869	3865	3696	3917
Net production	135652	134910	141494	142488	141922	148307
Imports	8303	10027	10320	11078	10529	10030
Exports	247	166	55	327	69	280
Losses	22289	17805	22061	23994	22981	23672
Consumption	121419	126966	129700	129246	129402	129145
Energy industries own use	497	723	578	465	401	401
By industry and construction	48919	51387	52281	50466	50374	50751
By transport	621	588	566	546	660	544
By households and other cons.	71382	74268	76275	77769	77967	77449
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	39563	35945	37593	37430	39764	42128
Combustible fuels	28269	24651	25541	25314	26510	28122
Hydro	10074	10074	10063	10127	11262	11308
Nuclear	1018	1018	1763	1763	1755	1755
Other	202	202	226	226	237	943
Main activity	35500	31931	33947	33816	36150	38514
Combustible fuels	24228	20659	21917	21722	22918	24530
Hydro	10054	10054	10043	10107	11242	11288
Nuclear	1018	1018	1763	1763	1755	1755
Other	200	200	224	224	235	941
Combustible fuel input	Terajoules					
Hard Coal	25995	28963	27825	21219	19386	19658
Gas-diesel oil	95589	68499	84366	89225	53922	34873
Fuel oil	93082	114494	122493	113241	58216	29128
Liquefied petroleum gas	0	0	0	0	..	..
Refinery gas	3762	2475	3515	2376	2673	2624
Natural gas	582890	576765	585550	625835	699685	659367
Coke-oven gas	2428	435	435	427	460	462
Blast furnace gas	5568	5892	5398	4430	2143	2143
Fuelwood	9325	7484	7665	8168	8320	6900
Bagasse	5405	5483	5429	5328	5869	5892
Total input	824043	810489	842675	870249	850674	761047
Total production	362747	326970	346172	358124	350125	370152
Estimated efficiency (% of production to input)	44	40	41	41	41	49

Statistics on electricity
Armenia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7710	7750	7799	7315	7765	7791
Combustible fuels	3173	3289	2801	2581	2872	3376
Hydro	2173	1992	2206	2350	2269	2318
Nuclear	2360	2465	2788	2381	2620	2076
Other	4	4	4	3	5	21
Main activity	7710	7750	7799	7315	7763	7777
Combustible fuels	3173	3289	2801	2581	2872	3376
Hydro	2173	1992	2206	2350	2269	2318
Nuclear	2360	2465	2788	2381	2620	2076
Other	4	4	4	3	2	7
Own use in electricity, CHP and heat plants	329	361	369	327	354	354
Net production	7381	7389	7430	6988	7412	7437
Imports	148	206	174	275	319	204
Exports	1313	1314	1424	1229	1440	1627
Losses	949	929	812	706	668	611
Consumption	5403	5353	5372	5334	5623	5403
Energy industries own use	..	..	..	..	..	..
By industry and construction	1208	1479	1577	1631	1655	1491
By transport	124	115	105	106	102	96
By households and other cons.	4071	3759	3690	3597	3867	3815
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	4095	4091	3538	3564	3582	3591
Combustible fuels	2394	2390	1840	1840	1840	1827
Hydro	1289	1289	1286	1312	1327	1336
Nuclear	408	408	408	408	408	408
Other	4	4	4	4	7	21
Main activity	4095	4091	3538	3564	3580	3581
Combustible fuels	2394	2390	1840	1840	1840	1827
Hydro	1289	1289	1286	1312	1327	1336
Nuclear	408	408	408	408	408	408
Other	4	4	4	4	5	11
Combustible fuel input	Terajoules					
Natural gas	*28760	22398	25191	23231	24537	29391
Total input	*28760	22398	25191	23231	24537	29391
Total production	11423	11840	10084	9292	10338	12152
Estimated efficiency (% of production to input)	40	53	40	40	42	41

Statistics on electricity

Aruba

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	*928	*917	*932	*947	*978	*983
Combustible fuels	*790	*778	*793	*802	*835	*808
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*138	*138	*138	*145	*144	*175
Main activity	*928	*917	*932	*947	*978	*983
Combustible fuels	*790	*778	*793	*802	*835	*808
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*138	*138	*138	*145	*144	*175
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	*928	*917	*932	*947	*978	*983
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	149	138	153	*158	*165	*166
Consumption	*779	*779	*778	*789	*813	*817
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	*779	*779	*778	*789	*813	*817
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	288	288	288	288	288	288
Combustible fuels	258	258	258	258	258	258
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	30	30	30	30	30	30
Main activity	288	288	288	288	288	288
Combustible fuels	258	258	258	258	258	258
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	30	30	30	30	30	30
Combustible fuel input	Terajoules					
Gas-diesel oil	*559	*568	*581	*581	*602	*606
Fuel oil	*7595	*7716	*7918	*7716	*7676	*7393
Total input	*8154	*8284	*8499	*8297	*8278	*8000
Total production	*2843	*2802	*2856	*2887	*3005	*2908
Estimated efficiency (% of production to input)	35	34	34	35	36	36

Statistics on electricity
Australia

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	249369	247451	251415	256563	258019	260998
Combustible fuels	219663	214767	221479	222837	221065	219884
Hydro	18270	18421	13445	15318	16285	16021
Nuclear	..	..	..	..	..	..
Other	11436	14263	16491	18408	20669	25093
Main activity	226356	223990	226896	232479	229078	229024
Combustible fuels	200120	195263	201872	204501	199558	196915
Hydro	18270	18421	13445	15318	16285	16021
Nuclear	..	..	..	..	..	..
Other	7966	10306	11579	12660	13235	16088
Own use in electricity, CHP and heat plants	13847	14830	12882	13301	14502	13706
Net production	235522	232621	238533	243262	243517	247292
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	13429	11149	13009	16373	13221	13416
Consumption	222093	221472	225524	226889	230296	233876
Energy industries own use	12248	13627	14207	15225	19217	20533
By industry and construction	79645	79483	76624	77291	74948	75874
By transport	4439	4560	5741	6097	5883	5962
By households and other cons.	125761	123802	128952	128276	130248	131507
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	66232	68060	68435	67265	66761	69274
Combustible fuels	50171	50704	49983	47977	46319	46445
Hydro	8271	8271	8271	8271	8271	8523
Nuclear	..	..	..	..	..	..
Other	7790	9085	10181	11017	12171	14306
Main activity	56757	57928	57362	55929	54976	56841
Combustible fuels	45261	45806	44762	42994	41436	41254
Hydro	8271	8271	8271	8271	8271	8523
Nuclear	..	..	..	..	..	..
Other	3225	3851	4329	4664	5269	7064
Combustible fuel input	Terajoules					
Hard Coal	696294	648712	636963	659756	672798	699594
Brown Coal	1024432	955774	1028036	1057550	1012516	920982
Lignite briquettes	1029	861	672	461	168	..
Biogas	11743	14005	14520	14247	13723	14633
Gas-diesel oil	51987	37195	46569	46612	45967	44290
Fuel oil	7030	6262	7070	1818	1414	1495
Other oil products	3658	2894	3538	3095	3739	2211
Natural gas	517482	530826	553022	559114	558516	572280
Fuelwood	*1182	*1731	*3669	*4193	*6857	*6776
Bagasse	*10233	*14980	*16886	*19298	*27336	*27014
Others	0	0	0	0	..	..
Total input	2325070	2213240	2310945	2366145	2343033	2289275
Total production	790787	773161	797324	802213	795834	791582
Estimated efficiency (% of production to input)	34	35	35	34	34	35

Statistics on electricity

Austria

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	68351	65436	65299	68308	71325	68597
Combustible fuels	18781	15959	18916	18953	21296	19900
Hydro	45778	44833	40591	43009	42175	41216
Nuclear	..	..	..	..	..	..
Other	3792	4644	5792	6346	7854	7481
Main activity	60235	57740	57455	60432	63114	60610
Combustible fuels	11231	8839	11576	11619	13576	12400
Hydro	45226	44270	40102	42482	41697	40742
Nuclear	..	..	..	..	..	..
Other	3778	4631	5777	6331	7841	7468
Own use in electricity, CHP and heat plants	3051	3198	3342	3447	3413	3477
Net production	65300	62238	61957	64861	67912	65120
Imports	24960	26712	29389	26366	29362	28076
Exports	17689	17437	19328	19207	22817	19129
Losses	3541	3410	3467	3339	3459	3459
Consumption	69028	68104	68552	68680	71002	70607
Energy industries own use	7840	7911	7367	6642	8110	7533
By industry and construction	27262	27069	27355	28226	28249	28670
By transport	3108	3064	3155	3206	3261	3273
By households and other cons.	30818	30060	30675	30606	31382	31131
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	23855	24287	24742	25217	24920	25620
Combustible fuels	8170	7859	7665	7273	6613	6532
Hydro	13383	13532	13650	14117	14150	14516
Nuclear	..	..	..	..	..	..
Other	2302	2896	3427	3827	4157	4572
Main activity	21476	22029	22504	22959	23147	23904
Combustible fuels	6326	6136	5964	5561	5272	5244
Hydro	12848	12997	13113	13571	13718	14088
Nuclear	..	..	..	..	..	..
Other	2302	2896	3427	3827	4157	4572
Combustible fuel input	Terajoules					
Hard Coal	38085	27024	27341	19019	16559	17657
Biogas	6445	10276	10594	10683	11024	8140
Fuel oil	8484	6262	8646	6626	6100	4727
Refinery gas	941	1436	1535	6188	7524	8564
Natural gas	63326	54077	70170	78009	100203	90760
Coke-oven gas	2017	2771	4328	3352	3367	3166
Blast furnace gas	13501	13507	12825	12040	14177	12173
Fuelwood	*43308	*39740	*39747	*37414	*38306	*37890
Municipal waste	13552	15903	17283	19084	17640	17316
Black liquor	*4526	*4418	*4615	*3281	*3021	*3286
Others	8498	7320	6966	6321	6652	5583
Total input	202683	182734	204049	202016	224574	209261
Total production	67612	57452	68098	68231	76666	71640
Estimated efficiency (% of production to input)	33	31	33	34	34	34

Statistics on electricity
Azerbaijan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	23354	24728	24688	24953	24320	25229
Combustible fuels	21863	23423	23041	22936	22515	23339
Hydro	1489	1300	1637	1959	1746	1768
Nuclear	..	..	..	..	..	..
Other	2	5	10	58	59	122
Main activity	21556	22706	22551	22699	22231	23133
Combustible fuels	20065	21401	20904	20699	20445	21243
Hydro	1489	1300	1637	1959	1746	1768
Nuclear	..	..	..	..	..	..
Other	2	5	10	41	40	122
Own use in electricity, CHP and heat plants	961	998	982	918	877	869
Net production	22393	23730	23706	24035	23444	24361
Imports	127	124	108	114	108	131
Exports	495	489	265	1096	1283	1445
Losses	3281	3363	2869	2350	2251	2220
Consumption	18661	19914	20573	20660	19987	20804
Energy industries own use	2679	3007	2954	3042	2902	2993
By industry and construction	2996	3161	3163	3517	3611	3724
By transport	531	536	482	428	397	384
By households and other cons.	12455	13210	13974	13673	13077	13704
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	7353	7353	7808	7911	7942	7829
Combustible fuels	6267	6270	6692	6766	6791	6597
Hydro	1083	1078	1103	1105	1106	1131
Nuclear	..	..	..	..	..	..
Other	4	5	13	41	44	101
Main activity	7114	7111	7145	7167	7172	6977
Combustible fuels	6028	6028	6029	6029	6029	5746
Hydro	1083	1078	1103	1105	1106	1131
Nuclear	..	..	..	..	..	..
Other	4	5	13	33	36	101
Combustible fuel input	Terajoules					
Gas-diesel oil	172	215	215	430	430	546
Fuel oil	0	162	15716	24846	12605	-12
Natural gas	206854	214193	212772	196866	213287	232430
Municipal waste	2104	2628	3037	2772	2782	2966
Total input	209130	217198	231739	224914	229104	235930
Total production	78707	84323	82948	82570	81055	84021
Estimated efficiency (% of production to input)	38	39	36	37	35	36

Statistics on electricity
Bahamas

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1885	1922	1998	1966	*1987	*2280
Combustible fuels	1885	1922	1998	1966	*1987	*2280
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	1811	1848	1922	1890	*1912	*2200
Combustible fuels	1811	1848	1922	1890	*1912	*2200
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	74	*74	*76	*76	*87	*80
Net production	1811	1848	1922	1890	*1900	*2200
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*43	*34	*11	*10	*9	*9
Consumption	1768	1814	1930	1965	*1841	*2209
Energy industries own use	..	..	..	..	..	..
By industry and construction	1049	1108	1167	1075	*1092	*1310
By transport	..	..	..	..	..	..
By households and other cons.	719	706	763	890	*749	*899
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	591	576	576	576	576	576
Combustible fuels	591	576	576	576	576	576
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	536	537	537	537	537	537
Combustible fuels	536	537	537	537	537	537
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*15394	*16598	*17243	*16942	*17114	*18920
Total input	*15394	*16598	*17243	*16942	*17114	*18920
Total production	6786	6919	7193	7078	*7153	*8208
Estimated efficiency (% of production to input)	44	42	42	42	42	43

Statistics on electricity

Bahrain

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	25867	27203	28461	28479	29193	29517
Combustible fuels	25867	27203	28452	28469	29183	29507
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	9	10	*10	*10
Main activity	14701	16214	17192	17056	17949	17834
Combustible fuels	14701	16214	17183	17046	17939	17824
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	9	10	*10	*10
Own use in electricity, CHP and heat plants	42	43	43	39	40	0
Net production	25825	27160	28418	28440	29153	29517
Imports	86	109	109	137	263	448
Exports	72	95	95	151	260	182
Losses	517	569	604	597	632	540
Consumption	24432	26186	27815	27749	27765	28987
Energy industries own use	..	..	..	..	..	..
By industry and construction	13180	13633	13990	14013	13889	14511
By transport	..	..	..	..	..	..
By households and other cons.	11252	12553	13825	13736	13876	14476
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	6927	6975	6978	6977	6977	6977
Combustible fuels	6927	6975	6972	6971	6971	6971
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	6	6	*6	*6
Main activity	3927	3925	3928	3927	3927	3927
Combustible fuels	3927	3925	3922	3921	3921	3921
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	6	6	*6	*6
Combustible fuel input	Terajoules					
Natural gas	389899	365581	362096	343040	368948	365591
Total input	389899	365581	362096	343040	368948	365591
Total production	93121	97931	102427	102488	105059	106225
Estimated efficiency (% of production to input)	24	27	28	30	28	29

Statistics on electricity
Bangladesh

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	53174	55908	59103	68909	73249	78612
Combustible fuels	52086	55108	58287	67650	71934	77229
Hydro	948	623	600	1020	1041	1086
Nuclear	..	..	..	..	..	..
Other	140	177	216	239	274	297
Main activity	38811	40490	42994	51645	56012	61368
Combustible fuels	37723	39690	42178	50386	54697	59985
Hydro	948	623	600	1020	1041	1086
Nuclear	..	..	..	..	..	..
Other	140	177	216	239	274	297
Own use in electricity, CHP and heat plants	3038	3141	3321	3872	4115	4417
Net production	50136	52767	55782	65037	69134	74195
Imports	..	2401	3583	4051	4935	5070
Exports	..	..	..	..	..	..
Losses	7032	6819	7120	7187	7717	8447
Consumption	42881	47946	51757	59180	65861	70409
Energy industries own use	..	..	..	..	..	..
By industry and construction	24056	26244	29832	33380	35861	37545
By transport	..	..	..	..	..	..
By households and other cons.	18825	21702	21925	25800	30000	32864
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	8633	9443	11150	11866	12213	*15293
Combustible fuels	8307	9091	10784	11495	11817	*14927
Hydro	*230	*230	*230	230	230	230
Nuclear	..	..	..	..	..	..
Other	96	122	136	141	166	136
Main activity	6311	7141	8773	9587	9809	*12657
Combustible fuels	5985	6789	8407	9216	9413	*12291
Hydro	*230	*230	*230	230	230	230
Nuclear	..	..	..	..	..	..
Other	96	122	136	141	166	136
Combustible fuel input	Terajoules					
Hard Coal	12388	11300	10944	11321	11321	16471
Gas-diesel oil	8901	15781	20210	21457	25843	41981
Fuel oil	42582	48036	36118	28361	31108	36097
Natural gas	509963	530247	557675	546014	660829	652782
Total input	573834	605364	624947	607153	729101	747331
Total production	187510	198389	209833	243540	258963	278024
Estimated efficiency (% of production to input)	33	33	34	40	36	37

Statistics on electricity
Barbados

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	1020	1031	1043	1064	1047	1055
Combustible fuels	1016	1021	1029	1037	1009	1011
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	10	14	27	38	44
Main activity	1017	1017	1026	1046	1030	1038
Combustible fuels	1013	1007	1012	1020	992	994
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	4	10	14	27	38	44
Own use in electricity, CHP and heat plants	58	58	76	65	54	17
Net production	962	972	968	999	993	1038
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	43	48	20	21	21	20
Consumption	*919	*924	*947	978	974	943
Energy industries own use	..	..	..	..	..	..
By industry and construction	73	79	80	81	117	117
By transport	..	..	..	..	..	..
By households and other cons.	*846	*846	*867	897	857	825
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	244	256	258	268	281	259
Combustible fuels	241	249	249	249	262	234
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	7	9	19	19	25
Main activity	242	246	248	258	271	249
Combustible fuels	239	239	239	239	252	224
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	3	7	9	19	19	25
Combustible fuel input	Terajoules					
Gas-diesel oil	1689	773	248	252	253	233
Fuel oil	8632	7413	8060	8191	6369	7479
Other kerosene	*327	*274	*306	*340	*374	..
Natural gas	255	0	179	181	175	261
Bagasse	29	23	23	23	25	28
Total input	10932	8482	8815	8987	7197	8001
Total production	3657	3674	3705	3734	3633	3641
Estimated efficiency (% of production to input)	33	43	42	42	50	46

Statistics on electricity

Belarus

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	31507	34735	34082	33566	34515	38927
Combustible fuels	31361	34602	33941	33321	33924	38386
Hydro	138	121	107	142	405	324
Nuclear	..	..	..	..	..	..
Other	8	12	34	103	186	217
Main activity	28531	31663	30676	30132	30742	34967
Combustible fuels	28394	31541	30554	29912	30207	34510
Hydro	131	114	101	128	396	316
Nuclear	..	..	..	..	..	..
Other	6	8	21	92	139	141
Own use in electricity, CHP and heat plants	2189	2217	2100	2082	2106	2220
Net production	29318	32518	31982	31484	32409	36707
Imports	9382	7806	6104	6319	5992	3257
Exports	3012	4488	3482	3298	3407	4248
Losses	3342	3187	2916	2876	2872	2835
Consumption	32346	32649	31688	31629	32122	32881
Energy industries own use	2411	2429	2400	2253	2170	2220
By industry and construction	12719	12899	12093	11956	12558	14084
By transport	1304	1280	1227	1181	1223	1225
By households and other cons.	15912	16041	15968	16239	16171	15351
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	9214	10221	9798	10009	10151	*10269
Combustible fuels	9178	10181	9750	9826	9884	*9907
Hydro	34	34	34	74	103	*105
Nuclear	..	..	..	..	..	..
Other	2	6	14	109	164	258
Main activity	8508	9431	8989	9153	9297	*9369
Combustible fuels	8479	9398	8953	8985	9078	*9097
Hydro	28	28	28	68	97	*98
Nuclear	..	..	..	..	..	..
Other	1	5	8	100	122	175
Combustible fuel input	Terajoules					
Hard Coal	0	0	0	0	0	0
Peat	1081	1291	1222	1210	835	816
Biogas	337	363	390	370	441	439
Gas-diesel oil	0	0	0	0	0	0
Fuel oil	1293	2868	3394	5737	3232	3963
Refinery gas	2030	2228	2030	1436	1881	1539
Natural gas	441450	451493	427730	420232	438360	479261
Fuelwood	4832	5399	5965	6943	7080	5432
Industrial waste	686	880	993	617	675	674
Peat products	371	332	371	400	400	367
Others	0	0	0	0	0	0
Total input	452079	464853	442094	436944	452903	492492
Total production	112900	124567	122188	119956	122126	138190
Estimated efficiency (% of production to input)	25	27	28	27	27	28

Statistics on electricity

Belgium

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	83488	72645	69829	85813	86775	75095
Combustible fuels	32408	29549	33208	31744	32781	33315
Hydro	1704	1465	1418	1489	1397	1329
Nuclear	42644	33703	26103	43523	42227	28597
Other	6732	7928	9100	9057	10370	11854
Main activity	74363	62864	59791	75334	75301	62931
Combustible fuels	26359	23077	26697	24885	25166	25567
Hydro	1704	1465	1418	1489	1397	1329
Nuclear	42644	33703	26103	43523	42227	28597
Other	3656	4619	5573	5437	6511	7438
Own use in electricity, CHP and heat plants	3208	2827	2449	3356	3658	3114
Net production	80280	69818	67380	82457	83117	71981
Imports	17243	21791	23714	14648	14189	21636
Exports	7603	4188	2715	8465	8168	4308
Losses	4007	3785	3816	3881	3849	3798
Consumption	86211	84239	84623	85156	85350	85732
Energy industries own use	3182	3075	2955	2910	3072	2977
By industry and construction	37787	37820	37976	38266	38711	38898
By transport	1686	1569	1589	1625	1632	1657
By households and other cons.	43556	41775	42103	42355	41935	42200
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	20952	20922	21167	21668	22236	22793
Combustible fuels	8910	8601	8520	8629	8483	8205
Hydro	1429	1431	1422	1425	1417	1418
Nuclear	5927	5927	5913	5913	5918	5918
Other	4686	4963	5312	5701	6418	7252
Main activity	16690	16497	16697	16851	17121	17229
Combustible fuels	7559	7202	7199	7162	7017	6660
Hydro	1429	1431	1422	1425	1417	1418
Nuclear	5927	5927	5913	5913	5918	5918
Other	1775	1937	2163	2351	2769	3233
Combustible fuel input	Terajoules					
Hard Coal	28423	21606	21708	3561	412	441
Biogas	4593	5240	5610	5657	5449	5430
Refinery gas	446	1139	1139	1188	1139	941
Natural gas	163294	148591	169641	168177	167350	176047
Blast furnace gas	16560	16739	16233	17756	18513	17943
Fuelwood	*30737	*23284	*31484	*30995	*32992	*30252
Municipal waste	28188	29725	30218	30579	30696	30249
Industrial waste	5581	6031	6152	6135	6248	6063
Other recovered gases	1238	1479	1224	1258	1213	1218
Other liquid biofuels	658	438	685	82	137	521
Others	1112	777	586	516	442	456
Total input	280828	255048	284679	265904	264591	269560
Total production	116669	106376	119549	114278	118012	119934
Estimated efficiency (% of production to input)	42	42	42	43	45	44

Statistics on electricity

Belize

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	371	404	417	414	*636	*651
Combustible fuels	*112	*148	*181	*153	*365	*401
Hydro	259	256	236	261	271	250
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	282	279	260	284	309	308
Combustible fuels	*23	*23	*24	*23	*39	*58
Hydro	259	256	236	261	271	250
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	17	16	17	17	26	27
Net production	354	388	400	397	*610	*624
Imports	234	233	255	243	230	235
Exports	..	..	..	..	..	..
Losses	50	49	51	51	78	80
Consumption	539	572	603	589	761	779
Energy industries own use	..	..	..	..	..	..
By industry and construction	122	137	137	133	172	176
By transport	..	..	..	..	..	..
By households and other cons.	417	436	467	456	589	603
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	143	154	154	146	165	165
Combustible fuels	88	99	99	94	113	113
Hydro	55	55	55	51	51	51
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Main activity	121	121	121	112	120	120
Combustible fuels	66	66	66	60	68	68
Hydro	55	55	55	51	51	51
Nuclear	..	..	..	..	..	..
Other	0	0	0	0	0	0
Combustible fuel input	Terajoules					
Crude oil	17	14	14	14	40	49
Gas-diesel oil	*55	*59	*64	*54	*103	*113
Fuel oil	*174	*174	*176	163	256	358
Natural gas	38	44	60	60	*51	*32
Bagasse	1927	1927	2153	1742	1841	2350
Total input	2211	2219	2467	2033	2291	2903
Total production	*404	*532	*652	*552	*1315	*1445
Estimated efficiency (% of production to input)	18	24	26	27	57	50

Statistics on electricity
Benin

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	130	348	330	276	331	202
Combustible fuels	130	348	324	266	325	197
Hydro	..	..	1	5	1	..
Nuclear	..	..	..	..	..	..
Other	..	..	5	5	5	5
Main activity	111	236	218	180	233	88
Combustible fuels	111	236	212	170	227	83
Hydro	..	..	1	5	1	..
Nuclear	..	..	..	..	..	..
Other	..	..	5	5	5	5
Own use in electricity, CHP and heat plants	0	0	0	0	0	0
Net production	130	348	330	276	331	202
Imports	1085	1074	1048	1089	1111	1293
Exports	..	..	..	..	..	..
Losses	235	272	277	288	297	295
Consumption	931	974	1099	1071	1139	1181
Energy industries own use	..	..	..	..	..	..
By industry and construction	155	198	277	232	256	286
By transport	..	..	..	..	..	..
By households and other cons.	776	776	822	839	883	895
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	209	*246	*383	*383	*383	*383
Combustible fuels	207	*244	*312	*312	*312	*312
Hydro	*1	*1	*66	*66	*66	*66
Nuclear	..	..	..	..	..	..
Other	*1	*1	*5	*5	5	5
Main activity	201	*201	*338	*338	*338	*338
Combustible fuels	199	*199	*267	*267	*267	*267
Hydro	*1	*1	*66	*66	*66	*66
Nuclear	..	..	..	..	..	..
Other	*1	*1	*5	*5	5	5
Combustible fuel input	Terajoules					
Gas-diesel oil	946	2279	1376	1806	1032	860
Fuel oil	0	0	566	646	646	808
Natural gas	415	1136	1211	76	1526	750
Kerosene-type jet fuel	..	132	176	..	..	..
Total input	1361	3547	3329	2528	3204	2418
Total production	468	1253	1166	958	1170	709
Estimated efficiency (% of production to input)	34	35	35	38	37	29

Statistics on electricity

Bermuda

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	677	661	674	665	675	642
Combustible fuels	677	661	674	665	675	642
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Main activity	665	649	662	653	662	629
Combustible fuels	665	649	662	653	662	629
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Own use in electricity, CHP and heat plants	45	38	40	35	46	37
Net production	632	623	634	630	629	605
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*45	*44	*44	*44	*45	*38
Consumption	586	577	591	586	585	568
Energy industries own use	..	..	..	..	..	..
By industry and construction	..	..	..	..	..	..
By transport	..	..	..	..	..	..
By households and other cons.	586	577	591	586	585	568
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*171	*171	*171	*171	*171	*176
Combustible fuels	*171	*171	*171	*171	*171	*172
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	4
Main activity	*167	*167	*167	*167	*167	*167
Combustible fuels	*167	*167	*167	*167	*167	*167
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	..	..
Combustible fuel input	Terajoules					
Gas-diesel oil	*820	*1511	*769	*860	*903	*912
Fuel oil	*4977	*3838	*3838	*3628	*4464	*4949
Municipal waste	*565	*605	*605	*605	*590	*600
Total input	*6363	*5954	*5212	*5093	*5957	*6461
Total production	2438	2379	2427	2395	2431	2313
Estimated efficiency (% of production to input)	38	40	47	47	41	36

Statistics on electricity

Bhutan

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7551	7165	7748	7954	7730	6960
Combustible fuels	1	0	0	0	0	0
Hydro	7550	7164	7747	7953	7728	6959
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	2
Main activity	7551	7165	7748	7954	7730	6960
Combustible fuels	1	0	0	0	0	0
Hydro	7550	7164	7747	7953	7728	6959
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	2	2
Own use in electricity, CHP and heat plants	1	1	1	1	1	0
Net production	7550	7164	7747	7954	7730	6960
Imports	37	159	125	84	92	134
Exports	5625	5147	5721	5763	5701	4581
Losses	83	81	67	*266	58	277
Consumption	1841	2004	2057	2009	2186	2186
Energy industries own use	..	..	..	..	..	..
By industry and construction	1519	1661	1636	1548	1599	1815
By transport	..	..	..	..	..	..
By households and other cons.	322	343	421	460	587	371
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	1499	1499	1622	1624	1623	1623
Combustible fuels	11	11	8	9	8	8
Hydro	1488	1488	1614	1614	1614	1614
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Main activity	1499	1499	1622	1624	1623	1623
Combustible fuels	11	11	8	9	8	8
Hydro	1488	1488	1614	1614	1614	1614
Nuclear	..	..	..	..	..	..
Other	0	0	0	1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	*6	0	0	0	*3	0
Total input	*6	0	0	0	*3	0
Total production	2	0	0	0	1	0
Estimated efficiency (% of production to input)	32	32	32	42	32	33

Statistics on electricity
Bolivia (Plur. State of)

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	7763	8225	9034	9313	9627	9883
Combustible fuels	5224	5960	6554	7552	7327	7084
Hydro	2535	2251	2463	1720	2234	2613
Nuclear	..	..	..	..	..	..
Other	4	14	17	41	66	186
Main activity	7670	8132	8733	9028	9275	9521
Combustible fuels	5134	5873	6255	7271	6979	6729
Hydro	2535	2251	2461	1716	2230	2606
Nuclear	..	..	..	..	..	..
Other	1	8	17	41	66	186
Own use in electricity, CHP and heat plants	161	157	158	168	184	377
Net production	7602	8068	8876	9145	9443	9506
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	728	805	815	934	1039	1095
Consumption	6962	7392	7875	8201	8375	8450
Energy industries own use	..	..	..	..	..	..
By industry and construction	1882	2016	2112	2134	2152	2071
By transport	..	..	..	..	..	..
By households and other cons.	5080	5376	5763	6067	6223	6379
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*1913	*2212	*2417	*2447	*2611	*2772
Combustible fuels	*1417	*1713	*1913	*1919	*1953	*1983
Hydro	493	494	496	496	620	692
Nuclear	..	..	..	..	..	..
Other	*3	5	8	32	38	98
Main activity	*1820	*2100	*2243	*2259	*2415	*2588
Combustible fuels	*1326	*1603	*1740	*1732	*1758	*1800
Hydro	493	494	495	495	619	690
Nuclear	..	..	..	..	..	..
Other	*1	3	8	32	38	98
Combustible fuel input	Terajoules					
Gas-diesel oil	1935	2322	2537	2537	2666	2838
Natural gas	58603	67929	68114	83361	78768	71951
Bagasse	*4569	*4470	*4553	*6904	*6197	*6209
Vegetal waste	..	*31	*58	*146	*242	*670
Total input	65107	74752	75262	92948	87873	81668
Total production	18806	21456	23594	27187	26377	25502
Estimated efficiency (% of production to input)	29	29	31	29	30	31

Statistics on electricity

Bonaire, St Eustatius, Saba

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	116	120	127	137	142	*143
Combustible fuels	80	79	87	95	101	*95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	37	41	40	43	40	*48
Main activity	116	120	127	137	142	*143
Combustible fuels	80	79	87	95	101	*95
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	37	41	40	43	40	*48
Own use in electricity, CHP and heat plants	12	11	11	16	17	*18
Net production	105	109	116	121	125	*125
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	*20	*21	*20	*20	*21	*20
Consumption	*85	*88	*96	*101	*104	*105
Energy industries own use	..	..	..	..	..	..
By industry and construction	*50	*50	*51	*53	*53	*54
By transport	..	..	..	..	..	..
By households and other cons.	*36	*38	*45	*48	*51	*51
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*27	*27	*27	33	*33	*34
Combustible fuels	*16	*16	*16	20	*20	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	11	*11	13	*13	*14
Main activity	*27	*27	*27	33	*33	*34
Combustible fuels	*16	*16	*16	20	*20	*20
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	11	11	*11	13	*13	*14
Combustible fuel input	Terajoules					
Fuel oil	*1042	*1042	*1050	*1147	*1228	*1151
Total input	*1042	*1042	*1050	*1147	*1228	*1151
Total production	287	284	312	340	365	*342
Estimated efficiency (% of production to input)	27	27	30	30	30	30

Statistics on electricity
Bosnia and Herzegovina

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	17451	16160	15629	17767	16439	19160
Combustible fuels	10215	10225	10078	12102	12431	12517
Hydro	7236	5935	5551	5641	3987	6519
Nuclear	..	..	..	..	..	..
Other	..	..	..	24	21	124
Main activity	17082	15803	15204	17373	15998	18722
Combustible fuels	9846	9868	9653	11708	11990	12079
Hydro	7236	5935	5551	5641	3987	6519
Nuclear	..	..	..	..	..	..
Other	..	..	..	24	21	124
Own use in electricity, CHP and heat plants	998	988	985	1158	1200	1248
Net production	16453	15172	14644	16609	15239	17912
Imports	3167	3162	3872	3084	3346	3092
Exports	6862	5998	6007	6841	5187	7698
Losses	1448	1322	1394	1358	1347	1349
Consumption	11310	11014	11115	11494	12038	11957
Energy industries own use	377	427	440	406	640	501
By industry and construction	4149	3910	3999	4079	4344	4367
By transport	84	80	91	73	76	59
By households and other cons.	6700	6597	6585	6936	6978	7030
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*4304	4135	*4304	4364	4522	4440
Combustible fuels	*2187	2086	*2187	2200	2295	2135
Hydro	*2117	2049	*2117	2155	2211	2236
Nuclear	..	..	..	..	..	..
Other	..	..	..	9	16	69
Main activity	*4074	3905	*4074	4134	4292	4370
Combustible fuels	*1957	1856	*1957	1970	2065	2065
Hydro	*2117	2049	*2117	2155	2211	2236
Nuclear	..	..	..	..	..	..
Other	..	..	..	9	16	69
Combustible fuel input	Terajoules					
Brown Coal	139422	116603	106377	137220	140569	139352
Fuel oil	485	485	566	606	646	444
Natural gas	530	416	460	307	297	289
Fuelwood	..	0	0	0	196	198
Total input	140437	117503	107403	138133	141708	140284
Total production	36774	36810	36281	43567	44752	45061
Estimated efficiency (% of production to input)	26	31	34	32	32	32

Statistics on electricity
Botswana

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	925	2315	*2967	2688	3022	3105
Combustible fuels	924	2314	*2966	2686	3020	3100
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	5
Main activity	925	2315	*2967	2688	3022	3105
Combustible fuels	924	2314	*2966	2686	3020	3100
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	2	2	5
Own use in electricity, CHP and heat plants	91	242	*410	307	440	375
Net production	834	2073	*2557	2381	2582	2730
Imports	2981	1684	1468	1650	1288	277
Exports	..	..	..	..	..	..
Losses	340	255	535	564	576	410
Consumption	3310	3449	3495	3479	3280	3209
Energy industries own use	..	..	..	..	..	..
By industry and construction	1128	1463	1462	1382	1090	933
By transport	..	..	..	..	..	..
By households and other cons.	2183	1986	2033	2097	2190	2276
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	753	621	621	621	753	796
Combustible fuels	752	620	620	620	752	795
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Main activity	733	601	601	601	733	796
Combustible fuels	732	600	600	600	732	795
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	1	1
Combustible fuel input	Terajoules					
Hard Coal	12152	38534	27800	38227	45212	33673
Gas-diesel oil	1591	1419	1548	86	129	129
Total input	13743	39953	29348	38313	45341	33802
Total production	3326	8330	*10677	9670	10872	11159
Estimated efficiency (% of production to input)	24	21	36	25	24	33

Statistics on electricity

Brazil

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	570838	590542	581228	578897	589326	601396
Combustible fuels	157810	189498	185066	148549	159476	144815
Hydro	390992	373439	359743	380911	370906	388971
Nuclear	15450	15378	14734	15864	15739	15674
Other	6586	12227	21685	33573	43205	51936
Main activity	484675	496510	484922	480360	491147	500232
Combustible fuels	93705	117565	109876	71486	80093	63542
Hydro	368939	351351	338673	359499	352313	369641
Nuclear	15450	15378	14734	15864	15739	15674
Other	6581	12216	21639	33511	43002	51375
Own use in electricity, CHP and heat plants	7666	8688	8435	7523	7765	7820
Net production	563172	581854	572793	571374	581561	593576
Imports	40334	33778	34642	41313	36511	34980
Exports	0	3	219	518	156	1
Losses	94995	89157	91067	98317	97619	97973
Consumption	508510	526473	516148	513854	520295	530581
Energy industries own use	22056	22472	23461	22249	21875	23642
By industry and construction	210159	207046	197931	196213	199682	200760
By transport	1884	1979	2055	2007	2055	1968
By households and other cons.	274411	294976	292701	293385	296683	304211
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	126743	133913	140857	150422	157579	163509
Combustible fuels	36528	37827	39563	41286	41881	40561
Hydro	86018	89193	91650	96931	100319	104198
Nuclear	1990	1990	1990	1990	1990	1990
Other	2207	4903	7654	10215	13389	16760
Main activity	106831	113012	118006	126223	132638	138011
Combustible fuels	21426	21800	21607	22101	22130	20636
Hydro	81213	84330	86766	91982	95300	99137
Nuclear	1990	1990	1990	1990	1990	1990
Other	2202	4892	7643	10150	13218	16248
Combustible fuel input	Terajoules					
Hard Coal	213523	236154	237028	229610	205225	182108
Gas-diesel oil	116788	145039	107113	53105	44634	52288
Fuel oil	91748	145400	132835	54500	64882	39026
Refinery gas	30210	22459	22295	18332	19153	20316
Other oil products	8643	9447	9970	9246	8683	8603
Natural gas	611516	739443	722325	501923	577284	481645
Coke-oven gas	11153	14839	10749	11417	16320	15411
Fuelwood	12570	14141	15785	14178	15466	17037
Bagasse	190829	207176	216072	221516	222813	220118
Vegetal waste	103244	194488	236450	286638	327563	368888
Others	7257	11019	10119	8157	10127	12046
Total input	1397481	1739604	1720742	1408621	1512150	1417486
Total production	568116	682193	666238	534776	574114	521334
Estimated efficiency (% of production to input)	41	39	39	38	38	37

Statistics on electricity

British Virgin Islands

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	198	199	*210	*212	*149	*146
Combustible fuels	197	197	*208	*211	*148	*145
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*2	*2	*2	*1	*1
Main activity	198	199	*210	*212	*149	*146
Combustible fuels	197	197	*208	*211	*148	*145
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*2	*2	*2	*1	*1
Own use in electricity, CHP and heat plants	7	9	*7	*7	*5	*6
Net production	191	190	*203	*205	*143	*140
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	18	12	*23	*22	*19	*23
Consumption	*173	*179	*181	*183	*124	*117
Energy industries own use	..	..	..	..	..	..
By industry and construction	*10	*10	*10	*10	*7	*7
By transport	..	..	..	..	..	..
By households and other cons.	*163	*169	*171	*173	*117	*110
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	45	45	45	45	*32	*33
Combustible fuels	44	44	44	44	*31	*32
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*1	*1
Main activity	45	45	45	45	*32	*33
Combustible fuels	44	44	44	44	*31	*32
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	1	1	1	1	*1	*1
Combustible fuel input	Terajoules					
Gas-diesel oil	*1720	*1763	*1763	*1763	*1518	*1462
Total input	*1720	*1763	*1763	*1763	*1518	*1462
Total production	708	710	*751	*758	*531	*522
Estimated efficiency (% of production to input)	41	40	43	43	35	36

Statistics on electricity

Brunei Darussalam

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	4402	4506	4200	4270	4157	4294
Combustible fuels	4400	4504	4198	4269	4155	4292
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	1	2	2
Main activity	3942	4010	3738	3843	3724	3854
Combustible fuels	3940	4008	3736	3842	3722	3852
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	2	2	2	1	2	2
Own use in electricity, CHP and heat plants	440	451	420	379	136	611
Net production	3962	4055	3780	3891	4021	3683
Imports	..	..	..	..	..	..
Exports	..	..	..	..	..	..
Losses	409	289	269	243	481	..
Consumption	3553	3765	3737	3648	3538	3683
Energy industries own use	398	408	346	421	426	433
By industry and construction	189	203	189	132	134	156
By transport	..	..	..	..	..	..
By households and other cons.	2966	3154	3202	3095	2978	3094
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	*811	*811	*819	*820	993	993
Combustible fuels	*810	*810	*818	*819	992	992
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	1	1
Main activity	*701	*701	*709	*709	876	876
Combustible fuels	*700	*700	*708	*708	875	875
Hydro	..	..	..	..	..	..
Nuclear	..	..	..	..	..	..
Other	*1	*1	*1	*1	1	1
Combustible fuel input	Terajoules					
Gas-diesel oil	430	473	473	473	559	559
Natural gas	53434	55145	46433	50501	51660	54943
Total input	53864	55618	46906	50974	52219	55502
Total production	15840	16214	15113	15368	14958	15451
Estimated efficiency (% of production to input)	29	29	32	30	29	28

Statistics on electricity
Bulgaria

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	43784	47485	49228	45277	45612	46837
Combustible fuels	22067	23858	24840	22088	23633	22606
Hydro	4795	5163	6147	4568	3493	5423
Nuclear	14171	15867	15383	15776	15545	16125
Other	2751	2597	2858	2845	2941	2683
Main activity	43516	47232	48840	44786	44925	46130
Combustible fuels	21815	23619	24475	21631	22980	21921
Hydro	4795	5163	6147	4568	3493	5423
Nuclear	14171	15867	15383	15776	15545	16125
Other	2735	2583	2835	2811	2907	2661
Own use in electricity, CHP and heat plants	3966	4254	4501	4056	4260	4122
Net production	39818	43231	44727	41221	41352	42715
Imports	3351	4319	4251	4568	3705	2223
Exports	9532	13774	14826	10940	9186	10030
Losses	3895	4013	3785	3577	3476	3102
Consumption	29809	29710	30353	31328	32348	31721
Energy industries own use	2277	2036	2027	2430	2441	1826
By industry and construction	8511	8706	9033	9083	9736	9872
By transport	277	306	352	354	377	324
By households and other cons.	18744	18662	18941	19461	19794	19699
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	11651	11425	11016	10904	11069	11286
Combustible fuels	4701	4470	3991	3822	3785	4017
Hydro	3202	3219	3219	3223	3372	3379
Nuclear	1982	1975	1975	1967	*1967	*1967
Other	1766	1761	1831	1892	1945	1923
Main activity	11539	11330	10776	10552	10624	10861
Combustible fuels	4636	4410	3854	3635	3551	3783
Hydro	3202	3219	3219	3223	3372	3379
Nuclear	1982	1975	1975	1967	*1967	*1967
Other	1719	1726	1728	1727	1734	1732
Combustible fuel input	Terajoules					
Hard Coal	33215	39086	17788	13147	9346	12012
Brown Coal	181217	194391	227468	194380	216372	192446
Lignite briquettes	15517	16641	12610	14836	13256	9535
Biogas	81	412	661	1569	1630	1876
Fuel oil	646	525	485	606	808	687
Refinery gas	743	347	99	495	1089	594
Petroleum coke	6110	7150	6695	8418	5168	1658
Natural gas	36528	33056	28851	28808	27601	28684
Fuelwood	*757	*1279	1281	*1556	*1668	16298
Industrial waste	..	..	..	..	0	1107
Others	129	86	86	86	86	86
Total input	274942	292972	296024	263901	277024	264983
Total production	79441	85889	89424	79517	85079	81382
Estimated efficiency (% of production to input)	29	29	30	30	31	31

Statistics on electricity
Burkina Faso

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	731	870	999	973	1095	1021
Combustible fuels	625	780	906	834	958	875
Hydro	106	90	93	140	128	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	9	54
Main activity	731	870	999	973	1095	1021
Combustible fuels	625	780	906	834	958	875
Hydro	106	90	93	140	128	91
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	9	54
Own use in electricity, CHP and heat plants	53	59	59	59	65	55
Net production	678	811	941	915	1030	966
Imports	532	488	443	630	645	837
Exports	..	..	..	..	..	..
Losses	158	175	183	*183	*224	*219
Consumption	*1052	*1125	*1200	*1361	*1452	*1568
Energy industries own use	..	..	..	..	..	..
By industry and construction	400	414	456	*517	*535	*578
By transport	..	..	..	..	..	..
By households and other cons.	*652	*711	*744	*844	*917	*990
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	248	285	325	325	329	349
Combustible fuels	216	253	293	293	293	293
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*4	*24
Main activity	248	285	325	325	329	349
Combustible fuels	216	253	293	293	293	293
Hydro	32	32	32	32	32	32
Nuclear	..	..	..	..	..	..
Other	..	..	..	..	*4	*24
Combustible fuel input	Terajoules					
Biogas	..	..	..	*36	*36	*36
Gas-diesel oil	3307	3006	2455	*2455	*2821	*2580
Fuel oil	2424	3919	5446	*5446	*5737	*5777
Total input	5731	6925	7901	*7937	*8594	*8393
Total production	2251	2807	3261	3001	3448	3151
Estimated efficiency (% of production to input)	39	41	41	38	40	38

Statistics on electricity

Burundi

Item	2013	2014	2015	2016	2017	2018
Production, trade and consumption	Million kilowatt-hours					
Total main activity and autoproducer	170	184	177	181	192	246
Combustible fuels	28	40	35	31	84	105
Hydro	138	140	137	143	100	133
Nuclear	..	..	..	..	..	..
Other	4	4	5	6	8	8
Main activity	163	178	171	174	182	240
Combustible fuels	21	34	29	24	74	99
Hydro	138	140	137	143	100	133
Nuclear	..	..	..	..	..	..
Other	4	4	5	6	8	8
Own use in electricity, CHP and heat plants	19	18	19	21	27	30
Net production	151	166	158	159	165	216
Imports	103	91	*96	*128	*94	*100
Exports	..	..	..	..	..	..
Losses	40	40	*40	*40	*40	*40
Consumption	*214	*217	*214	*216	*225	*276
Energy industries own use	..	..	..	..	..	..
By industry and construction	*86	*89	*86	*87	*91	*120
By transport	..	..	..	..	..	..
By households and other cons.	*128	*128	*128	*130	*134	*156
Net installed capacity	Thousand kilowatts					
Total main activity and autoproducer	44	46	65	64	70	70
Combustible fuels	*9	*11	*11	*9	*17	*17
Hydro	32	32	51	51	48	48
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	5	5
Main activity	42	44	63	62	67	67
Combustible fuels	*7	*9	*9	*7	*14	*14
Hydro	32	32	51	51	48	48
Nuclear	..	..	..	..	..	..
Other	3	3	3	4	5	5
Combustible fuel input	Terajoules					
Fuel oil	*242	*404	*368	*307	*921	*1212
Bagasse	*126	*108	*108	*126	*180	*160
Total input	*368	*512	*476	*433	*1101	*1372
Total production	100	142	125	112	302	378
Estimated efficiency (% of production to input)	27	28	26	26	27	28