



International
Energy Agency
Secure
Sustainable
Together

Special data release with revisions
for People's Republic of

CHINA



4 November 2015

INTERNATIONAL ENERGY AGENCY

The International Energy Agency (IEA), an autonomous agency, was established in November 1974. Its primary mandate was – and is – two-fold: to promote energy security amongst its member countries through collective response to physical disruptions in oil supply, and provide authoritative research and analysis on ways to ensure reliable, affordable and clean energy for its 29 member countries and beyond. The IEA carries out a comprehensive programme of energy co-operation among its member countries, each of which is obliged to hold oil stocks equivalent to 90 days of its net imports. The Agency's aims include the following objectives:

- Secure member countries' access to reliable and ample supplies of all forms of energy; in particular, through maintaining effective emergency response capabilities in case of oil supply disruptions.
- Promote sustainable energy policies that spur economic growth and environmental protection in a global context – particularly in terms of reducing greenhouse-gas emissions that contribute to climate change.
- Improve transparency of international markets through collection and analysis of energy data.
 - Support global collaboration on energy technology to secure future energy supplies and mitigate their environmental impact, including through improved energy efficiency and development and deployment of low-carbon technologies.
 - Find solutions to global energy challenges through engagement and dialogue with non-member countries, industry, international organisations and other stakeholders.

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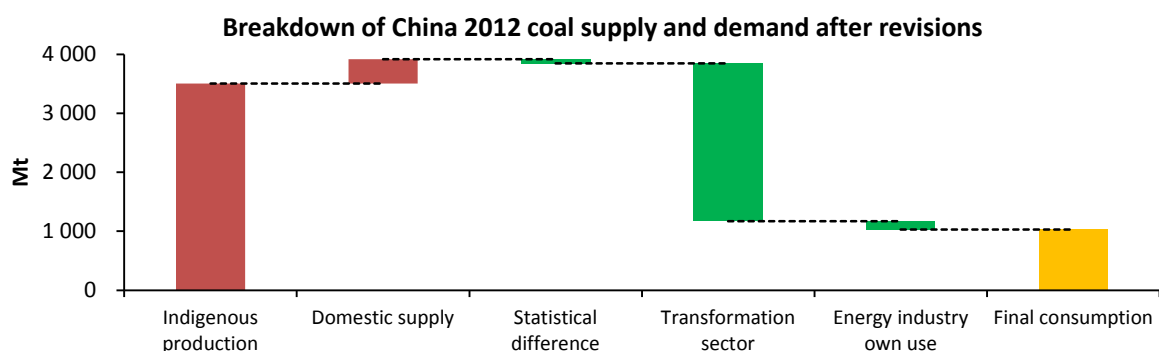
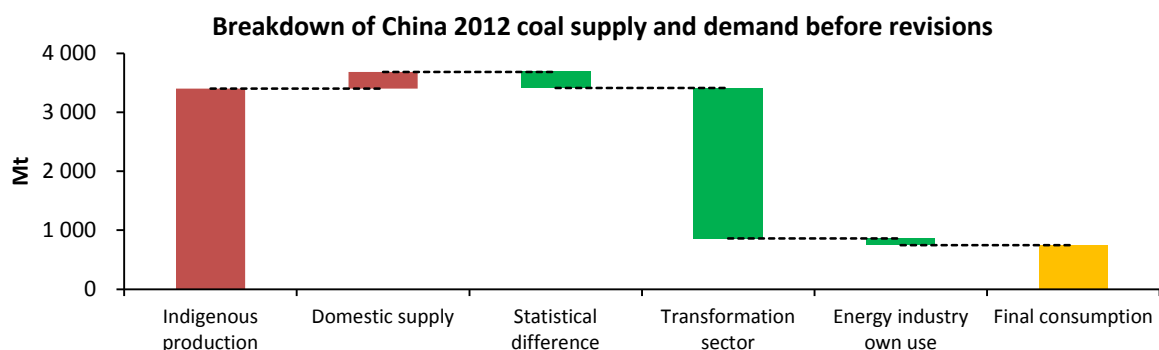
Special IEA data release with revisions for People's Republic of China

In September 2015, the National Bureau of Statistics of China published China's energy statistics for 2013, as well as revised statistics for the years 2000 to 2012. NBS supplied the IEA with detailed energy balances for 2011 to 2013 and using these the IEA revised its 2011-2013 data based on these newly available figures, published in this document. The revisions show significant changes both on the supply and demand side for a number of energy products, resulting in breaks in time series between 2010 and 2011. For the years 2000-2010, revisions will be published in the next edition of IEA's publications in summer 2016.

The revised energy balances released by the NBS integrate findings from a national economic census for all years since 2000. The revised balance data solve several detailed issues, most importantly the unallocated coal demand that appeared in the recent years of the Chinese energy balance (shown as the statistical difference), has been primarily allocated to final consumption in the industrial sector. The impact of these changes is shown below for 2012.

This release contains key headline data impacted by the revisions for 2011-2013. Updates to all tables will be published in summer 2016. Cells that have been revised are shown in *italics*.

This publication is complementary to the 2015 editions of "*Energy Statistics of non-OECD countries*" and "*Energy Balances of non-OECD countries*". As such, any notes and disclaimers present in those publications also apply to this special release.



Breakdown of China 2012 coal supply and demand (Mt)

	Indigenous production	Domestic supply	Statistical difference	Transformation sector	Energy industry own use	Final consumption	Of which: Industry
Before	3 401	3 686	-272	2 554	112	748	548
After	3 506	3 917	-68	2 680	139	1 031	757

World

2011

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal ¹	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	3858.16	4119.08	-	2787.53	673.71	301.54	127.37	1310.24	-	1.12	13178.75
Imports	716.31	2294.56	1125.35	869.68	-	-	-	15.37	56.20	0.00	5077.47
Exports	-755.92	-2198.03	-1194.96	-848.57	-	-	-	-13.59	-55.50	-0.01	-5066.57
Stock changes	-28.74	-9.93	1.97	-18.28	-	-	-	-0.95	-	-	-55.92
TPES	3789.81	4205.69	-67.64	2790.36	673.71	301.54	127.37	1311.08	0.70	1.12	13133.74
Transfers	-0.34	-157.93	191.91	-	-	-	-	0.02	-	-	33.66
Statistical differences	-26.28	-1.37	-0.38	3.70	-	-	0.01	-0.08	-0.65	-0.97	-26.02
Electricity plants	-2006.27	-41.31	-204.77	-716.06	-666.06	-301.54	-99.49	-76.10	1725.17	-0.51	-2386.93
CHP plants	-181.06	-0.01	-25.41	-314.56	-7.66	-	-2.38	-45.50	180.48	153.07	-243.03
Heat plants	-120.90	-0.83	-11.77	-92.92	-	-	-0.85	-10.71	-0.30	191.16	-47.12
Blast furnaces	-207.12	-	-0.62	-0.08	-	-	-	-0.03	-	-	-207.86
Gas works	-7.50	-0.00	-3.59	4.04	-	-	-	-0.04	-	-	-7.09
Coke/pat.fuel/BKB/PB plants	-62.57	-	-2.74	-0.00	-	-	-	-0.02	-	-	-65.33
Oil refineries	-	-4016.02	3980.24	-	-	-	-	-	-	-	-35.79
Petrochemical plants	-	33.47	-33.99	-	-	-	-	-	-	-	-0.52
Liquefaction plants	-7.70	7.57	-	-7.54	-	-	-	-	-	-	-7.67
Other transformation	-0.24	4.18	-0.57	-6.67	-	-	-	-74.18	-	-0.35	-77.84
Energy industry own use	-110.36	-7.81	-199.40	-282.28	-	-	-0.00	-11.53	-166.18	-41.90	-819.45
Losses	-3.71	-7.87	-0.74	-21.18	-	-	-0.01	-0.19	-155.47	-20.35	-209.52
TFC	1055.77	17.77	3620.53	1356.82	-	-	24.65	1092.70	1583.75	281.27	9033.24
INDUSTRY	848.20	10.06	304.06	498.13	-	-	0.67	184.39	669.04	126.32	2640.86
Iron and steel	290.51	-	10.18	53.11	-	-	-	4.25	96.39	18.27	472.72
Chemical and petrochemical	94.49	2.12	48.59	100.86	-	-	0.00	1.49	91.83	47.52	386.89
Non-ferrous metals	21.78	0.00	6.25	13.80	-	-	0.00	0.11	74.25	3.29	119.48
Non-metallic minerals	233.77	0.04	40.50	49.95	-	-	0.00	8.37	46.98	2.96	382.58
Transport equipment	4.49	0.00	3.29	9.31	-	-	0.00	0.02	20.43	3.90	41.43
Machinery	22.30	0.01	8.13	22.78	-	-	0.00	0.16	74.85	7.29	135.52
Mining and quarrying	11.50	-	18.20	7.96	-	-	-	0.09	26.13	2.44	66.32
Food and tobacco	38.78	0.01	13.24	38.55	-	-	0.00	29.49	37.48	11.95	169.50
Paper pulp and printing	25.16	0.00	7.71	20.66	-	-	0.13	52.60	36.92	11.64	154.81
Wood and wood products	3.91	0.00	4.43	2.41	-	-	-	10.11	7.89	2.54	31.30
Construction	6.80	0.01	20.13	4.90	-	-	0.00	0.18	13.18	1.82	47.02
Textile and leather	18.40	0.01	4.55	5.27	-	-	0.00	0.27	25.40	6.86	60.77
Non-specified	76.31	7.85	118.85	168.56	-	-	0.53	77.25	117.33	5.83	572.53
TRANSPORT	3.49	0.01	2303.47	92.97	-	-	-	58.91	25.12	-	2483.98
World aviation bunkers	-	-	159.05	-	-	-	-	-	-	-	159.05
Domestic aviation	-	-	98.28	-	-	-	-	-	-	-	98.28
Road	-	0.01	1755.77	31.65	-	-	-	58.66	0.16	-	1846.25
Rail	3.27	-	31.14	-	-	-	-	0.24	18.43	-	53.07
Pipeline transport	-	-	0.41	60.79	-	-	-	-	2.96	-	64.15
World marine bunkers	0.00	-	209.07	-	-	-	-	-	-	-	209.07
Domestic navigation	0.12	-	43.96	0.05	-	-	-	0.01	-	-	44.14
Non-specified	0.09	-	5.79	0.48	-	-	-	0.02	3.58	-	9.97
OTHER	150.04	0.50	424.76	610.72	-	-	23.98	849.39	889.58	154.95	3103.94
Residential	79.68	0.25	200.87	415.98	-	-	19.27	817.72	428.58	109.27	2071.62
Comm. and publ. services	31.81	0.05	91.56	182.66	-	-	3.25	20.83	364.79	33.33	728.27
Agriculture/forestry	13.80	0.05	106.30	7.61	-	-	0.68	8.18	43.58	6.11	186.31
Fishing	0.01	-	7.04	0.05	-	-	0.07	0.00	0.41	0.01	7.60
Non-specified	24.75	0.15	18.99	4.42	-	-	0.71	2.67	52.22	6.22	110.13
NON-ENERGY USE	54.04	7.20	588.24	154.99	-	-	-	-	-	-	804.47
in industry/transf./energy	53.70	7.20	561.28	154.99	-	-	-	-	-	-	777.17
of which: chem./petrochem.	2.45	7.13	400.76	153.18	-	-	-	-	-	-	563.51
in transport	-	-	12.75	-	-	-	-	-	-	-	12.75
in other	0.34	-	14.21	0.00	-	-	-	-	-	-	14.55
Electricity and Heat Output											
Electr. Generated - GWh	9147298	140791	914951	4880167	2582635	3506223	576057	408718	-	1811	22158651
Electricity plants	8531374	140774	827791	3692380	2555802	3506223	573051	230874	-	1100	20059369
CHP plants	615924	17	87160	1187787	26833	-	3006	177844	-	711	2099282
Heat Generated - TJ	5686416	27205	714273	6790068	27734	-	370481	783492	7056	55445	14462170
CHP plants	2028463	216	303596	3584601	27734	-	11769	453563	215	19742	6429899
Heat plants	3657953	26989	410677	3205467	-	-	358712	329929	6841	35703	8032271

1. The column of coal also includes peat and oil shale.

World

2012

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal ¹	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	3880.24	4195.26	-	2835.71	641.83	315.57	142.08	1338.01	-	1.13	13349.83
Imports	772.36	2297.29	1143.79	860.30	-	-	-	15.58	58.49	0.00	5147.81
Exports	-803.35	-2207.80	-1216.18	-857.67	-	-	-	-12.89	-57.75	-0.01	-5155.65
Stock changes	-11.40	-0.39	-4.20	2.44	-	-	-	-0.51	-	-	-14.06
TPES	3837.86	4284.35	-76.60	2840.78	641.83	315.57	142.08	1340.19	0.73	1.13	13327.93
Transfers	-0.39	-170.12	209.17	-0.00	-	-	-	-	-	-	38.66
Statistical differences	-40.08	-6.24	-6.89	10.58	-	-	0.01	-0.23	2.27	-0.30	-40.90
Electricity plants	-2009.32	-42.68	-219.54	-749.14	-634.13	-315.57	-111.20	-80.51	1764.79	-0.52	-2397.81
CHP plants	-177.60	-0.01	-25.24	-321.70	-7.70	-	-2.43	-53.02	183.67	153.95	-250.07
Heat plants	-139.04	-0.80	-11.62	-94.68	-	-	-0.89	-11.29	-0.38	197.29	-61.40
Blast furnaces	-229.00	-	-0.43	-0.04	-	-	-	-0.02	-	-	-229.50
Gas works	-7.42	-	-3.78	4.10	-	-	-	-0.05	-	-	-7.16
Coke/pat.fuel/BKB/PB plants	-70.31	-	-2.67	-0.00	-	-	-	-0.01	-	-	-73.00
Oil refineries	-	-4076.06	3994.36	-	-	-	-	-	-	-	-81.70
Petrochemical plants	-	32.87	-32.88	-	-	-	-	-	-	-	-0.01
Liquefaction plants	-7.81	10.27	-	-13.05	-	-	-	-	-	-	-10.59
Other transformation	-0.23	4.87	-0.60	-7.36	-	-	-	-77.09	-	-0.64	-81.06
Energy industry own use	-109.28	-9.86	-185.58	-293.63	-	-	-0.00	-12.04	-166.53	-42.37	-819.30
Losses	-3.39	-8.01	-0.75	-18.19	-	-	-0.01	-0.16	-160.46	-20.73	-211.70
TFC	1043.98	18.58	3636.94	1357.67	-	-	27.56	1105.78	1624.09	287.80	9102.41
INDUSTRY	822.00	9.13	296.31	513.27	-	-	0.80	182.13	682.85	130.49	2636.98
Iron and steel	289.24	-	9.11	52.94	-	-	-	4.11	95.93	18.70	470.03
Chemical and petrochemical	91.33	2.34	41.27	100.50	-	-	0.00	1.28	95.20	49.29	381.22
Non-ferrous metals	20.66	-	5.32	14.73	-	-	0.00	0.12	75.68	3.26	119.77
Non-metallic minerals	231.56	0.00	38.66	51.27	-	-	0.00	8.29	47.25	2.66	379.69
Transport equipment	4.75	-	2.41	10.83	-	-	0.00	0.02	20.59	4.10	42.70
Machinery	17.55	-	7.26	23.31	-	-	0.00	0.16	75.95	7.42	131.66
Mining and quarrying	11.38	-	23.87	7.91	-	-	0.00	0.14	27.14	2.82	73.26
Food and tobacco	36.81	0.01	10.35	40.80	-	-	0.00	31.42	38.63	12.20	170.22
Paper pulp and printing	21.99	-	5.29	21.55	-	-	0.16	50.28	36.43	11.96	147.67
Wood and wood products	3.68	-	1.73	2.36	-	-	0.00	6.04	8.11	2.43	24.34
Construction	6.65	0.00	25.66	6.98	-	-	0.00	0.28	13.64	1.87	55.08
Textile and leather	16.64	0.01	3.96	5.42	-	-	0.00	0.20	27.06	7.50	60.80
Non-specified	69.76	6.77	121.42	174.66	-	-	0.63	79.78	121.24	6.29	580.55
TRANSPORT	3.31	-	2332.85	90.50	-	-	0.00	60.27	25.45	-	2512.38
World aviation bunkers	-	-	160.57	-	-	-	-	-	-	-	160.57
Domestic aviation	-	-	99.86	-	-	-	-	-	-	-	99.86
Road	-	-	1792.09	33.38	-	-	-	59.60	0.21	-	1885.28
Rail	3.07	-	31.24	-	-	-	-	0.22	18.93	-	53.46
Pipeline transport	-	-	0.38	56.39	-	-	-	-	2.86	-	59.63
World marine bunkers	-	-	190.90	-	-	-	-	0.05	-	-	190.95
Domestic navigation	0.15	-	52.00	0.07	-	-	-	0.34	-	-	52.56
Non-specified	0.09	-	5.80	0.66	-	-	0.00	0.07	3.45	-	10.07
OTHER	160.65	0.17	432.16	595.11	-	-	26.76	863.38	915.79	157.31	3151.34
Residential	78.91	-	209.53	404.65	-	-	21.21	829.11	438.52	110.54	2092.47
Comm. and publ. services	36.25	-	89.31	178.76	-	-	3.57	22.62	370.58	34.69	735.79
Agriculture/forestry	14.40	0.01	105.26	8.05	-	-	1.11	8.92	44.63	6.11	188.49
Fishing	0.00	-	7.37	0.06	-	-	0.06	0.01	0.44	0.01	7.95
Non-specified	31.09	0.16	20.69	3.60	-	-	0.82	2.72	61.61	5.95	126.64
NON-ENERGY USE	58.02	9.28	575.61	158.79	-	-	-	-	-	-	801.71
in industry/transf./energy	57.69	9.28	543.24	158.79	-	-	-	-	-	-	769.00
of which: chem./petrochem.	2.41	9.22	387.15	156.94	-	-	-	-	-	-	555.72
in transport	-	-	15.45	-	-	-	-	-	-	-	15.45
in other	0.33	-	16.93	-	-	-	-	-	-	-	17.25
Electricity and Heat Output											
Electr. Generated - GWh	9176760	149297	975207	5087060	2460285	3669448	702184	434725	-	1584	22656550
Electricity plants	8572585	149281	886293	3869684	2433283	3669448	698623	240043	-	925	20520165
CHP plants	604175	16	88914	1217376	27002	-	3561	194682	-	659	2136385
Heat Generated - TJ	5889246	27361	694618	6826075	27848	-	374239	849892	8837	57547	14755663
CHP plants	1966866	198	286366	3656323	27848	-	11756	497441	360	22853	6470011
Heat plants	3922380	27163	408252	3169752	-	-	362483	352451	8477	34694	8285652

1. The column of coal also includes peat and oil shale.

World

2013

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal ¹	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	3958.10	4215.64	-	2908.64	646.50	325.96	161.52	1375.55	-	2.20	13594.11
Imports	830.67	2246.09	1177.25	873.04	-	-	-	15.89	59.94	0.00	5202.89
Exports	-863.26	-2181.50	-1237.91	-895.12	-	-	-	-13.84	-56.94	-0.01	-5248.57
Stock changes	-18.30	-0.68	-3.03	15.37	-	-	-	-0.50	-	-	-7.14
TPES	3907.21	4279.54	-63.69	2901.94	646.50	325.96	161.52	1377.10	3.00	2.20	13541.28
Transfers	-0.61	-181.33	224.41	-0.00	-	-	-	-	-	-	42.47
Statistical differences	-4.20	13.41	-7.36	9.90	-	-	-0.00	-0.24	1.84	-0.38	12.96
Electricity plants	-2098.90	-39.85	-211.12	-746.72	-638.87	-325.96	-123.96	-87.17	1825.94	-0.63	-2447.25
CHP plants	-175.68	-0.01	-16.74	-322.41	-7.63	-	-2.55	-55.66	179.71	149.74	-251.23
Heat plants	-135.11	-0.81	-11.03	-98.20	-	-	-1.07	-11.28	-0.35	177.99	-79.86
Blast furnaces	-223.58	-	-0.43	-0.04	-	-	-	-0.03	-	-	-224.08
Gas works	-7.14	-	-3.13	3.51	-	-	-	-0.07	-	-	-6.84
Coke/pat.fuel/BKB/PB plants	-70.14	-	-2.68	-0.00	-	-	-	-0.13	-	-	-72.95
Oil refineries	-	-4076.24	4004.94	-	-	-	-	-	-	-	-71.30
Petrochemical plants	-	31.55	-31.47	-	-	-	-	-	-	-	0.07
Liquefaction plants	-8.53	11.33	-	-15.63	-	-	-	-	-	-	-12.82
Other transformation	-0.43	4.96	-0.64	-7.25	-	-	-	-78.20	-	-0.74	-82.30
Energy industry own use	-109.94	-11.00	-186.70	-303.74	-	-	-0.00	-13.80	-169.36	-34.71	-829.24
Losses	-3.56	-8.76	-0.82	-20.68	-	-	-0.01	-0.15	-163.63	-20.26	-217.87
TFC	1069.41	22.79	3693.55	1400.68	-	-	33.93	1130.35	1677.15	273.21	9301.06
INDUSTRY	844.02	12.78	298.34	520.72	-	-	0.83	193.55	708.82	123.37	2702.44
Iron and steel	304.15	-	7.96	54.77	-	-	-	3.70	99.94	16.41	486.93
Chemical and petrochemical	90.15	2.21	43.80	106.30	-	-	0.00	1.51	97.98	47.34	389.28
Non-ferrous metals	22.18	-	5.03	15.76	-	-	0.00	0.13	77.49	3.50	124.09
Non-metallic minerals	235.28	0.01	38.60	52.12	-	-	0.00	8.81	49.42	2.60	386.84
Transport equipment	4.55	-	2.13	11.53	-	-	0.00	0.02	21.38	3.82	43.43
Machinery	16.20	-	7.87	24.07	-	-	0.00	0.22	78.75	7.00	134.10
Mining and quarrying	11.68	-	23.80	7.26	-	-	0.00	0.18	28.81	2.49	74.22
Food and tobacco	36.34	0.01	10.43	42.10	-	-	0.00	32.24	39.23	11.72	172.07
Paper pulp and printing	20.65	-	4.39	22.62	-	-	0.17	55.39	36.35	11.49	151.07
Wood and wood products	3.44	-	1.70	2.53	-	-	0.00	10.47	8.37	2.01	28.53
Construction	4.34	0.00	28.73	7.20	-	-	0.00	0.39	14.09	1.78	56.54
Textile and leather	15.62	0.01	3.37	5.33	-	-	0.00	0.26	28.08	7.32	59.99
Non-specified	79.45	10.53	120.56	169.12	-	-	0.66	80.23	128.94	5.88	595.37
TRANSPORT	3.22	0.02	2373.66	96.22	-	-	0.00	64.52	25.86	-	2563.52
World aviation bunkers	-	-	163.81	-	-	-	-	-	-	-	163.81
Domestic aviation	-	-	102.87	-	-	-	-	-	-	-	102.87
Road	-	-	1829.48	35.50	-	-	-	63.71	0.25	-	1928.95
Rail	3.02	-	30.79	-	-	-	-	0.38	19.54	-	53.72
Pipeline transport	-	0.02	0.37	60.02	-	-	-	-	2.87	-	63.29
World marine bunkers	0.00	-	188.90	-	-	-	-	0.03	-	-	188.93
Domestic navigation	0.14	-	51.89	0.09	-	-	-	0.39	-	-	52.51
Non-specified	0.06	-	5.55	0.61	-	-	0.00	0.01	3.20	-	9.42
OTHER	157.35	0.20	430.60	628.53	-	-	33.10	872.28	942.46	149.84	3214.34
Residential	75.21	-	205.13	424.97	-	-	26.67	837.71	453.02	105.49	2128.22
Comm. and publ. services	36.20	-	88.72	191.81	-	-	4.30	22.41	375.27	33.06	751.77
Agriculture/forestry	15.38	0.01	109.59	7.98	-	-	1.15	9.45	46.46	5.49	195.52
Fishing	0.00	-	7.41	0.05	-	-	0.05	0.01	0.41	0.01	7.95
Non-specified	30.55	0.18	19.73	3.72	-	-	0.92	2.69	67.29	5.79	130.89
NON-ENERGY USE	64.81	9.80	590.95	155.20	-	-	-	-	-	-	820.76
in industry/transf./energy	64.33	9.79	562.41	155.20	-	-	-	-	-	-	791.74
of which: chem./petrochem.	2.35	9.74	409.95	153.68	-	-	-	-	-	-	575.71
in transport	-	-	12.31	-	-	-	-	-	-	-	12.31
in other	0.49	0.00	16.23	-	-	-	-	-	-	-	16.72
Electricity and Heat Output											
Electr. Generated - GWh	9632955	138482	889120	5066215	2478216	3790281	862475	461777	-	2030	23321551
Electricity plants	9025080	138469	828214	3880931	2451476	3790281	854571	260832	-	972	21230826
CHP plants	607875	13	60906	1185284	26740	-	7904	200945	-	1058	2090725
Heat Generated - TJ	5875075	25918	564358	5946069	27587	-	375025	892835	8790	100445	13816102
CHP plants	1829386	162	186073	3685697	27587	-	12397	529281	372	56583	6327538
Heat plants	4045689	25756	378285	2260372	-	-	362628	363554	8418	43862	7488564

1. The column of coal also includes peat and oil shale.

Non-OECD Total

2011

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal ¹	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	2880.08	3228.34	-	1802.05	129.72	182.16	54.90	1050.18	-	0.52	9327.95
Imports	338.63	776.03	561.56	214.45	-	-	-	1.52	20.24	-	1912.43
Exports	-459.36	-1846.49	-656.34	-544.12	-	-	-	-5.66	-19.70	-	-3531.67
Intl. marine bunkers	-	-	-118.91	-	-	-	-	-	-	-	-118.91
Intl. aviation bunkers	-	-	-71.20	-	-	-	-	-	-	-	-71.20
Stock changes	-33.78	-21.85	-1.67	-1.91	-	-	-	-0.33	-	-	-59.54
TPES	2725.57	2136.03	-286.55	1470.47	129.72	182.16	54.90	1045.70	0.55	0.52	7459.07
Transfers	-0.34	-104.12	115.45	-	-	-	-	-	-	-	11.00
Statistical differences	-12.90	3.52	8.15	-3.79	-	-	-0.00	-0.11	-0.56	-0.16	-5.84
Electricity plants	-1244.10	-31.29	-150.69	-349.30	-129.18	-182.16	-38.84	-34.60	889.59	-0.28	-1270.84
CHP plants	-99.23	-0.01	-11.65	-205.22	-0.54	-	-	-8.91	86.83	94.77	-143.96
Heat plants	-116.37	-0.83	-10.70	-85.46	-	-	-0.01	-4.79	-0.00	175.78	-42.37
Blast furnaces	-155.28	-	-	-	-	-	-	-0.03	-	-	-155.32
Gas works	-5.39	-0.00	-0.31	0.03	-	-	-	-0.01	-	-	-5.70
Coke/pat.fuel/BKB/PB plants	-54.66	-	-1.46	-	-	-	-	-0.01	-	-	-56.13
Oil refineries	-	-1988.73	1940.02	-	-	-	-	-	-	-	-48.71
Petrochemical plants	-	3.54	-3.51	-	-	-	-	-	-	-	0.02
Liquefaction plants	-6.85	7.04	-	-7.54	-	-	-	-	-	-	-7.34
Other transformation	-0.07	1.57	-0.57	-3.19	-	-	-	-73.78	-	-	-76.04
Energy industry own use	-95.50	-7.73	-85.74	-146.90	-	-	-	-10.60	-96.53	-33.05	-476.05
Losses	-2.66	-7.87	-0.71	-16.67	-	-	-0.00	-0.15	-96.57	-14.58	-139.21
TFC	932.22	11.12	1511.72	652.44	-	-	16.06	912.71	783.31	223.00	5042.58
INDUSTRY	749.09	7.91	194.80	262.46	-	-	0.19	115.19	412.56	103.11	1845.31
Iron and steel	249.35	-	5.98	29.11	-	-	-	4.13	67.62	17.77	373.96
Chemical and petrochemical	84.10	0.02	26.24	42.66	-	-	-	0.18	52.94	36.61	242.74
Non-ferrous metals	19.92	-	3.94	3.24	-	-	-	0.01	48.59	3.00	78.70
Non-metallic minerals	215.49	0.04	21.50	25.69	-	-	-	3.21	33.09	2.76	301.78
Transport equipment	4.29	-	1.81	2.64	-	-	-	0.00	9.77	3.17	21.67
Machinery	21.98	-	4.45	4.71	-	-	0.00	0.03	38.77	6.46	76.40
Mining and quarrying	11.02	-	10.19	3.08	-	-	-	0.04	17.00	2.23	43.56
Food and tobacco	32.17	0.00	5.47	7.11	-	-	0.00	26.16	16.75	10.24	97.91
Paper pulp and printing	18.76	-	1.50	2.51	-	-	-	8.10	11.64	8.54	51.05
Wood and wood products	3.76	-	0.53	0.51	-	-	-	0.69	3.40	1.76	10.65
Construction	4.17	0.01	9.75	1.58	-	-	-	0.03	6.79	1.78	24.11
Textile and leather	18.07	-	3.68	1.04	-	-	0.00	0.14	19.58	6.11	48.62
Non-specified	66.01	7.85	99.74	138.58	-	-	0.19	72.47	86.63	2.68	474.14
TRANSPORT	3.36	-	827.94	69.41	-	-	-	17.37	16.23	-	934.30
Domestic aviation	-	-	32.01	-	-	-	-	-	-	-	32.01
Road	-	-	752.07	28.43	-	-	-	17.37	0.04	-	797.90
Rail	3.26	-	13.05	-	-	-	-	0.00	11.36	-	27.67
Pipeline transport	-	-	0.39	40.56	-	-	-	-	2.58	-	43.53
Domestic navigation	-	-	26.36	-	-	-	-	0.00	-	-	26.36
Non-specified	0.09	-	4.07	0.42	-	-	-	-	2.26	-	6.84
OTHER	128.33	0.16	223.62	198.16	-	-	15.87	780.15	354.52	119.89	1820.70
Residential	62.94	-	112.40	163.59	-	-	12.47	756.10	175.16	87.65	1370.31
Comm. and publ. services	28.27	-	32.62	30.82	-	-	2.35	15.31	108.22	20.71	238.31
Agriculture/forestry	12.57	0.01	62.00	1.94	-	-	0.51	6.11	33.17	5.87	122.18
Fishing	0.01	-	2.45	0.02	-	-	-	0.00	0.14	0.01	2.63
Non-specified	24.54	0.15	14.15	1.79	-	-	0.54	2.62	37.83	5.64	87.27
NON-ENERGY USE	51.45	3.04	265.36	122.42	-	-	-	-	-	-	442.27
in industry/transf./energy	51.33	3.04	247.38	122.42	-	-	-	-	-	-	424.17
of which: chem./petrochem.	1.52	2.97	168.11	120.61	-	-	-	-	-	-	293.21
in transport	-	-	7.70	-	-	-	-	-	-	-	7.70
in other	0.12	-	10.28	0.00	-	-	-	-	-	-	10.41
Electricity and Heat Output											
Electr. generated - GWh	5529253	93049	619825	2243580	495675	2118153	135633	117483	-	1129	11353780
Electricity plants	5221016	93032	583326	1614990	495675	2118153	135633	81126	-	849	10343800
CHP plants	308237	17	36499	628590	-	-	-	36357	-	280	1009980
Heat generated - TJ	4840283	27205	494407	5418979	22807	-	327441	198642	20	21862	11351646
CHP plants	1323605	216	111973	2461502	22807	-	-	48694	-	5886	3974683
Heat plants	3516678	26989	382434	2957477	-	-	327441	149948	20	15976	7376963

1. The column of coal also includes peat.

Non-OECD Total

2012

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal ¹	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	2927.75	3263.60	-	1827.49	133.12	196.09	61.91	1069.70	-	0.45	9480.12
Imports	384.66	810.44	579.07	213.12	-	-	-	1.57	20.39	-	2009.26
Exports	-483.28	-1861.67	-647.58	-541.45	-	-	-	-7.05	-18.69	-	-3559.71
Intl. marine bunkers	-	-	-115.85	-	-	-	-	-	-	-	-115.85
Intl. aviation bunkers	-	-	-73.59	-	-	-	-	-	-	-	-73.59
Stock changes	-11.36	5.08	-6.34	-2.10	-	-	-	-0.28	-	-	-14.99
TPES	2817.78	2217.46	-264.29	1497.07	133.12	196.09	61.91	1063.94	1.71	0.45	7725.24
Transfers	-0.39	-112.29	123.87	-0.00	-	-	-	-	-	-	11.18
Statistical differences	-32.54	-4.36	3.75	3.74	-	-	-	-0.25	-0.26	-0.05	-29.97
Electricity plants	-1280.44	-31.02	-157.84	-363.79	-132.57	-196.09	-43.34	-37.41	932.12	-0.23	-1310.61
CHP plants	-99.91	-0.01	-12.09	-210.72	-0.55	-	-	-9.53	88.74	97.16	-146.90
Heat plants	-134.10	-0.80	-10.50	-86.16	-	-	-0.01	-5.00	-0.00	179.87	-56.70
Blast furnaces	-175.57	-	-	-	-	-	-	-0.02	-	-	-175.59
Gas works	-5.25	-	-0.31	0.06	-	-	-	-0.01	-	-	-5.52
Coke/pat.fuel/BKB/PB plants	-63.22	-	-1.54	-	-	-	-	-0.01	-	-	-64.76
Oil refineries	-	-2055.06	1995.34	-	-	-	-	-	-	-	-59.71
Petrochemical plants	-	3.97	-3.48	-	-	-	-	-	-	-	0.50
Liquefaction plants	-6.91	9.71	-	-13.05	-	-	-	-	-	-	-10.25
Other transformation	-0.06	1.73	-0.60	-3.30	-	-	-	-76.66	-	-	-78.89
Energy industry own use	-94.16	-9.79	-85.62	-152.09	-	-	-	-10.74	-97.79	-34.09	-484.28
Losses	-2.54	-8.01	-0.70	-15.64	-	-	-0.00	-0.14	-100.68	-14.51	-142.21
TFC	922.69	11.54	1586.00	656.12	-	-	18.56	924.18	823.84	228.59	5171.52
INDUSTRY	727.35	6.80	201.33	272.58	-	-	0.21	118.55	429.04	107.09	1862.94
Iron and steel	251.35	-	5.62	28.75	-	-	-	4.00	67.69	18.09	375.50
Chemical and petrochemical	80.92	0.02	25.93	42.66	-	-	-	0.16	57.14	38.82	245.66
Non-ferrous metals	18.76	-	3.63	3.94	-	-	-	0.01	50.80	3.00	80.14
Non-metallic minerals	213.62	0.00	23.89	26.20	-	-	-	3.34	33.58	2.44	303.07
Transport equipment	4.56	-	1.46	3.39	-	-	-	0.01	9.56	3.24	22.22
Machinery	17.21	-	3.75	4.75	-	-	0.00	0.03	40.14	6.56	72.44
Mining and quarrying	10.96	-	11.76	3.62	-	-	-	0.04	17.72	2.71	46.81
Food and tobacco	30.99	0.01	5.56	7.56	-	-	0.00	27.57	17.90	10.50	100.08
Paper pulp and printing	16.34	-	1.43	2.68	-	-	-	7.92	11.75	8.70	48.83
Wood and wood products	3.59	-	0.71	0.38	-	-	0.00	0.78	3.68	1.63	10.76
Construction	4.06	0.00	9.38	3.05	-	-	-	0.02	7.21	1.82	25.55
Textile and leather	16.31	-	3.39	1.09	-	-	0.00	0.12	21.28	6.77	48.96
Non-specified	58.67	6.77	104.82	144.50	-	-	0.20	74.57	90.60	2.80	482.93
TRANSPORT	3.15	-	874.67	65.83	-	-	-	17.60	16.51	-	977.75
Domestic aviation	-	-	33.74	-	-	-	-	-	-	-	33.74
Road	-	-	795.04	29.97	-	-	-	17.59	0.03	-	842.63
Rail	3.06	-	12.61	-	-	-	-	0.00	11.87	-	27.54
Pipeline transport	-	-	0.36	35.27	-	-	-	-	2.48	-	38.11
Domestic navigation	0.00	-	28.56	-	-	-	-	0.01	-	-	28.57
Non-specified	0.09	-	4.36	0.58	-	-	-	0.00	2.13	-	7.16
OTHER	136.73	0.17	228.12	193.07	-	-	18.36	788.03	378.29	121.50	1864.29
Residential	63.09	-	114.29	157.21	-	-	14.53	762.67	186.78	88.88	1387.45
Comm. and publ. services	29.60	-	33.13	31.83	-	-	2.65	16.45	114.92	21.20	249.78
Agriculture/forestry	13.03	0.01	62.92	2.19	-	-	0.55	6.26	34.31	5.88	125.14
Fishing	0.00	-	2.71	0.01	-	-	-	0.01	0.15	0.01	2.88
Non-specified	31.01	0.16	15.07	1.84	-	-	0.63	2.65	42.14	5.54	99.03
NON-ENERGY USE	55.46	4.57	281.88	124.63	-	-	-	-	-	-	466.54
in industry/transf./energy	55.34	4.57	262.62	124.63	-	-	-	-	-	-	447.16
of which: chem./petrochem.	1.41	4.50	177.47	122.80	-	-	-	-	-	-	306.17
in transport	-	-	8.19	-	-	-	-	-	-	-	8.19
in other	0.12	-	11.07	-	-	-	-	-	-	-	11.19
Electricity and Heat Output											
Electr. generated - GWh	5697665	93600	642566	2339638	508702	2280137	180035	127332	-	857	11870532
Electricity plants	5387319	93584	604359	1696118	508702	2280137	180035	87525	-	615	10838394
CHP plants	310346	16	38207	643520	-	-	-	39807	-	242	1032138
Heat generated - TJ	5084690	27361	491993	5439290	22854	-	329089	205312	20	18891	11619500
CHP plants	1319156	198	116879	2559835	22854	-	-	49636	-	5616	4074174
Heat plants	3765534	27163	375114	2879455	-	-	329089	155676	20	13275	7545326

1. The column of coal also includes peat.

Non-OECD Total

2013

Million tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal ¹	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	3005.38	3219.40	-	1888.25	135.14	204.43	73.87	1089.19	-	1.43	9617.09
Imports	422.02	828.82	608.10	224.54	-	-	-	1.54	20.80	-	2105.82
Exports	-511.71	-1817.28	-658.32	-579.67	-	-	-	-6.34	-18.81	-	-3592.13
Intl. marine bunkers	-	-	-116.66	-	-	-	-	-	-	-	-116.66
Intl. aviation bunkers	-	-	-75.85	-	-	-	-	-	-	-	-75.85
Stock changes	-37.75	-3.76	-5.46	-2.09	-	-	-	-0.28	-	-	-49.35
TPES	2877.94	2227.17	-248.19	1531.03	135.14	204.43	73.87	1084.12	1.99	1.43	7888.93
Transfers	-0.61	-109.87	120.75	-0.00	-	-	-	-	-	-	10.27
Statistical differences	3.57	5.32	7.58	5.02	-	-	0.00	-0.23	-0.09	0.08	21.25
Electricity plants	-1357.62	-29.79	-157.22	-379.81	-134.60	-204.43	-49.04	-42.61	989.66	-0.22	-1365.68
CHP plants	-98.43	-0.01	-5.78	-216.30	-0.54	-	-	-10.70	87.52	94.88	-149.35
Heat plants	-130.55	-0.81	-10.14	-89.59	-	-	-0.07	-5.04	-0.00	160.38	-75.82
Blast furnaces	-169.76	-	-	-	-	-	-	-0.03	-	-	-169.79
Gas works	-5.16	-	-0.32	0.10	-	-	-	-0.01	-	-	-5.39
Coke/pat.fuel/BKB/PB plants	-63.86	-	-1.52	-	-	-	-	-0.00	-	-	-65.38
Oil refineries	-	-2073.15	2019.43	-	-	-	-	-	-	-	-53.72
Petrochemical plants	-	4.15	-3.56	-	-	-	-	-	-	-	0.59
Liquefaction plants	-7.55	10.75	-	-15.63	-	-	-	-	-	-	-12.43
Other transformation	-0.22	1.56	-0.63	-2.97	-	-	-	-77.77	-	-	-80.03
Energy industry own use	-94.80	-10.95	-85.91	-158.66	-	-	-	-12.50	-102.20	-26.92	-491.93
Losses	-2.63	-8.76	-0.78	-17.98	-	-	-0.00	-0.13	-104.16	-14.41	-148.85
TFC	950.32	15.61	1633.70	655.21	-	-	24.75	935.10	872.73	215.22	5302.65
INDUSTRY	747.72	10.57	203.02	272.36	-	-	0.22	118.97	453.47	100.65	1906.97
Iron and steel	267.80	-	5.23	29.07	-	-	-	3.63	72.07	15.90	393.70
Chemical and petrochemical	79.69	0.02	26.38	44.60	-	-	-	0.18	61.25	36.71	248.83
Non-ferrous metals	20.36	-	3.36	4.61	-	-	-	0.01	53.13	3.26	84.74
Non-metallic minerals	214.78	0.00	25.24	27.00	-	-	-	3.56	35.58	2.39	308.55
Transport equipment	4.39	-	1.29	3.76	-	-	-	0.01	10.26	3.01	22.72
Machinery	15.84	-	3.74	5.51	-	-	0.00	0.02	43.03	6.24	74.39
Mining and quarrying	11.36	-	11.85	3.29	-	-	-	0.04	18.50	2.40	47.44
Food and tobacco	30.64	0.01	5.90	7.81	-	-	0.00	27.13	18.73	10.05	100.27
Paper pulp and printing	15.13	-	1.52	2.85	-	-	-	8.49	12.18	8.50	48.67
Wood and wood products	3.36	-	0.74	0.37	-	-	0.00	0.81	3.87	1.24	10.40
Construction	4.31	0.00	10.08	3.17	-	-	-	0.03	7.55	1.74	26.88
Textile and leather	15.21	-	2.89	1.20	-	-	0.00	0.15	22.34	6.69	48.47
Non-specified	64.84	10.53	104.81	139.12	-	-	0.21	74.92	94.98	2.52	491.93
TRANSPORT	3.07	0.02	909.14	67.50	-	-	-	20.33	16.82	-	1016.88
Domestic aviation	-	-	35.51	-	-	-	-	-	-	-	35.51
Road	-	-	824.90	31.85	-	-	-	20.32	0.04	-	877.10
Rail	3.01	-	12.47	-	-	-	-	0.00	12.38	-	27.86
Pipeline transport	-	0.02	0.35	35.14	-	-	-	-	2.47	-	37.98
Domestic navigation	-	-	31.33	-	-	-	-	0.01	-	-	31.34
Non-specified	0.06	-	4.58	0.51	-	-	-	0.00	1.94	-	7.10
OTHER	137.51	0.20	235.04	192.59	-	-	24.54	795.80	402.43	114.57	1902.67
Residential	62.17	-	119.00	157.08	-	-	19.93	770.50	199.94	82.81	1411.42
Comm. and publ. services	30.76	-	34.42	31.30	-	-	3.33	16.02	119.89	21.13	256.84
Agriculture/forestry	14.08	0.01	64.53	2.13	-	-	0.58	6.63	36.17	5.25	129.38
Fishing	0.00	-	2.71	0.02	-	-	-	0.01	0.13	0.01	2.88
Non-specified	30.50	0.18	14.38	2.06	-	-	0.70	2.65	46.31	5.37	102.15
NON-ENERGY USE	62.02	4.83	286.50	122.76	-	-	-	-	-	-	476.11
in industry/transf./energy	61.90	4.83	266.44	122.76	-	-	-	-	-	-	455.94
of which: chem./petrochem.	1.38	4.77	183.29	121.24	-	-	-	-	-	-	310.68
in transport	-	-	8.51	-	-	-	-	-	-	-	8.51
in other	0.12	0.00	11.54	-	-	-	-	-	-	-	11.66
Electricity and Heat Output											
Electr. generated - GWh	6108039	90510	606742	2432950	516499	2377052	247697	145024	-	868	12525381
Electricity plants	5794457	90497	588815	1791990	516499	2377052	247697	99799	-	615	11507421
CHP plants	313582	13	17927	640960	-	-	-	45225	-	253	1017960
Heat generated - TJ	5076786	25918	409286	4622513	22630	-	323109	209060	19	59882	10749203
CHP plants	1183098	162	55057	2658284	22630	-	6	54083	-	37428	4010748
Heat plants	3893688	25756	354229	1964229	-	-	323103	154977	19	22454	6738455

1. The column of coal also includes peat.

People's Republic of China

2011

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	1859270	203034	-	88128	22503	59172	21118	215230	-	-	2468454
Imports	117445	253779	54960	24501	-	-	-	-	564	-	451250
Exports	-16239	-2514	-30921	-2667	-	-	-	-	-1660	-	-54002
Intl. marine bunkers	-	-	-9114	-	-	-	-	-	-	-	-9114
Intl. aviation bunkers	-	-	-6219	-	-	-	-	-	-	-	-6219
Stock changes	-28409	-14530	-6227	-	-	-	-	-	-	-	-49166
TPES	1932067	439769	2479	109962	22503	59172	21118	215230	-1096	-	2801204
Transfers	-338	-891	1408	-	-	-	-	-	-	-	179
Statistical differences	-18072	178	-659	-64	-	-	-	-30	-17	-	-18664
Electricity plants	-862554	-113	-1800	-18571	-22503	-59172	-6382	-14535	404618	-	-581011
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-100777	-46	-3376	-2441	-	-	-	-1237	-	76921	-30955
Blast furnaces	-116815	-	-	-	-	-	-	-	-	-	-116815
Gas works	-538	-	-	-260	-	-	-	-	-	-	-798
Coke/pat.fuel/BKB/PB plants	-41799	-	-	-	-	-	-	-	-	-	-41799
Oil refineries	-	-432955	423154	-	-	-	-	-	-	-	-9800
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-1976	1186	-	-	-	-	-	-	-	-	-790
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-77691	-3675	-18770	-13414	-	-	-	-	-48100	-9807	-171457
Losses	-	-1770	-56	-1470	-	-	-	-	-23226	-847	-27370
TFC	711507	1683	402381	73743	-	-	14736	199428	332178	66267	1801924
INDUSTRY	561136	742	56090	26863	-	-	164	-	228274	46059	919328
Iron and steel	180144	-	1594	2363	-	-	-	45135	6429	-	235665
Chemical and petrochemical	76381	-	4595	11817	-	-	-	35187	20640	-	148621
Non-ferrous metals	17393	-	1534	1129	-	-	-	30115	2690	-	52861
Non-metallic minerals	172335	-	6846	5203	-	-	-	25094	292	-	209771
Transport equipment	4245	-	1496	1492	-	-	-	7408	846	-	15488
Machinery	21833	-	3044	2884	-	-	-	28877	1293	-	57931
Mining and quarrying	9042	-	2155	238	-	-	-	9046	713	-	21195
Food and tobacco	30598	-	1252	702	-	-	-	7453	3353	-	43358
Paper pulp and printing	15834	-	469	256	-	-	-	5873	3839	-	26269
Wood and wood products	3744	-	264	83	-	-	-	2425	123	-	6639
Construction	4080	-	5793	107	-	-	-	4918	149	-	15047
Textile and leather	15421	-	1027	208	-	-	-	14026	5100	-	35782
Non-specified	10085	742	26019	381	-	-	164	12717	592	-	50700
TRANSPORT	3188	-	208584	9702	-	-	-	1593	3985	-	227052
Domestic aviation	-	-	11115	-	-	-	-	-	-	-	11115
Road	-	-	174134	9559	-	-	-	1593	-	-	185286
Rail	3188	-	5054	-	-	-	-	-	3985	-	12227
Pipeline transport	-	-	1	143	-	-	-	-	-	-	144
Domestic navigation	-	-	16807	-	-	-	-	-	-	-	16807
Non-specified	-	-	1474	-	-	-	-	-	-	-	1474
OTHER	98515	130	53510	28077	-	-	14572	197835	99920	20208	512767
Residential	50191	-	24092	22119	-	-	11838	197835	48333	16726	371133
Comm. and publ. services	18494	-	14431	5912	-	-	2207	-	18965	1519	61527
Agriculture/forestry	11544	-	14987	47	-	-	500	-	8711	22	35810
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	18287	130	-	-	-	-	28	23911	1942	-	44297
NON-ENERGY USE	48668	811	84198	9101	-	-	-	-	-	-	142777
in industry/transf./energy	48668	811	66975	9101	-	-	-	-	-	-	125554
of which: chem./petrochem.	-	811	47875	9101	-	-	-	-	-	-	57787
in transport	-	-	7329	-	-	-	-	-	-	-	7329
in other	-	-	9894	-	-	-	-	-	-	-	9894
Electricity and Heat Output											
Electr. generated - GWh	3723315	-	7786	84022	86350	688045	73073	42270	-	-	4704861
Electricity plants	3723315	-	7786	84022	86350	688045	73073	42270	-	-	4704861
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat generated - TJ	2969865	-	121766	91989	-	-	-	37533	-	-	3221153
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	2969865	-	121766	91989	-	-	-	37533	-	-	3221153

People's Republic of China

2012

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	1849096	207644	-	92538	25381	74201	25931	215019	-	-	2489811
Imports	151911	271027	52699	33310	-	-	-	-	591	-	509538
Exports	-8336	-2432	-28744	-2418	-	-	-	-	-1518	-	-43448
Intl. marine bunkers	-	-	-8888	-	-	-	-	-	-	-	-8888
Intl. aviation bunkers	-	-	-6552	-	-	-	-	-	-	-	-6552
Stock changes	-12011	-9226	-11337	-	-	-	-	-	-	-	-32574
TPES	1980660	467013	-2822	123429	25381	74201	25931	215019	-927	-	2907886
Transfers	-393	-929	1522	-	-	-	-	-	-	-	200
Statistical differences	-33670	64	-20	-258	-	-	-	-11	-45	-	-33940
Electricity plants	-866733	-109	-1537	-18939	-25381	-74201	-8910	-15359	428687	-	-582482
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-118533	-14	-3431	-2860	-	-	-	-1425	-	82706	-43557
Blast furnaces	-132173	-	-	-	-	-	-	-	-	-	-132173
Gas works	-778	-	-	-230	-	-	-	-	-	-	-1009
Coke/pat.fuel/BKB/PB plants	-47021	-	-	-	-	-	-	-	-	-	-47021
Oil refineries	-	-459860	446769	-	-	-	-	-	-	-	-13091
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-2147	1288	-	-	-	-	-	-	-	-	-859
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-77382	-4631	-17557	-16302	-	-	-	-	-47792	-9957	-173621
Losses	-	-1777	-52	-1697	-	-	-	-	-24907	-873	-29306
TFC	701829	1045	422873	83144	-	-	17021	198224	355016	71875	1851027
INDUSTRY	544866	560	57318	29867	-	-	175	-	240273	49499	922558
Iron and steel	182234	-	1270	2742	-	-	-	-	44896	6766	237908
Chemical and petrochemical	73731	-	3695	11405	-	-	-	-	38897	22257	149985
Non-ferrous metals	16227	-	1305	2073	-	-	-	-	32844	2719	55168
Non-metallic minerals	167862	-	6056	5643	-	-	-	-	25381	256	205198
Transport equipment	4506	-	1174	1984	-	-	-	-	7042	1161	15866
Machinery	17080	-	2350	2783	-	-	-	-	30146	1190	53549
Mining and quarrying	8894	-	3633	850	-	-	-	-	9597	1131	24104
Food and tobacco	29392	-	1141	1048	-	-	-	-	8205	3446	43232
Paper pulp and printing	13784	-	374	349	-	-	-	-	5901	3886	24293
Wood and wood products	3585	-	251	86	-	-	-	-	2665	103	6691
Construction	3939	-	5718	106	-	-	-	-	5232	164	15159
Textile and leather	13802	-	712	260	-	-	-	-	15464	5786	36024
Non-specified	9830	560	29642	540	-	-	175	-	14001	633	55381
TRANSPORT	3012	-	218985	10746	-	-	-	1732	4470	-	238946
Domestic aviation	-	-	12255	-	-	-	-	-	-	-	12255
Road	-	-	181080	10575	-	-	-	-	1732	-	193388
Rail	3012	-	4705	-	-	-	-	-	4470	-	12188
Pipeline transport	-	-	1	171	-	-	-	-	-	-	172
Domestic navigation	-	-	19250	-	-	-	-	-	-	-	19250
Non-specified	-	-	1694	-	-	-	-	-	-	-	1694
OTHER	101067	121	56777	31176	-	-	16846	196491	110273	22376	535127
Residential	50158	-	24805	24118	-	-	13795	196491	53483	18533	381383
Comm. and publ. services	19397	-	16254	7004	-	-	2486	-	21006	1700	67848
Agriculture/forestry	11867	-	15718	54	-	-	535	-	8708	27	36909
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	19644	121	-	-	-	-	30	-	27076	2116	48987
NON-ENERGY USE	52884	364	89792	11356	-	-	-	-	-	-	154396
in industry/transf./energy	52884	364	71500	11356	-	-	-	-	-	-	136105
of which: chem./petrochem.	-	364	50717	11356	-	-	-	-	-	-	62437
in transport	-	-	7783	-	-	-	-	-	-	-	7783
in other	-	-	10508	-	-	-	-	-	-	-	10508
Electricity and Heat Output											
Electr. generated - GWh	3785022	-	6698	85686	97394	862807	102463	44668	-	-	4984738
Electricity plants	3785022	-	6698	85686	97394	862807	102463	44668	-	-	4984738
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat generated - TJ	3189110	-	122600	107796	-	-	-	43879	-	-	3463385
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	3189110	-	122600	107796	-	-	-	43879	-	-	3463385

People's Republic of China

2013

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal	Crude oil	Oil products	Natural Gas	Nuclear	Hydro	Geotherm. solar etc.	Biofuels & Waste	Electricity	Heat	Total
Production	1894677	210101	-	101115	29087	78227	36711	215757	-	-	2565674
Imports	174105	281742	53757	41656	-	-	-	-	640	-	551900
Exports	-9268	-1617	-33212	-2297	-	-	-	-	-1606	-	-47999
Intl. marine bunkers	-	-	-7714	-	-	-	-	-	-	-	-7714
Intl. aviation bunkers	-	-	-7001	-	-	-	-	-	-	-	-7001
Stock changes	-35147	-3334	-6907	-	-	-	-	-	-	-	-45388
TPES	2024367	486892	-1076	140475	29087	78227	36711	215757	-966	-	3009472
Transfers	-610	-905	1798	-	-	-	-	-	-	-	283
Statistical differences	-2528	-67	1399	-625	-	-	-	0	-8	-	-1829
Electricity plants	-930333	-104	-1494	-20025	-29087	-78227	-13573	-17400	467543	-	-622700
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	-115220	-34	-3114	-3572	-	-	-	-1502	-	87070	-36370
Blast furnaces	-125114	-	-	-	-	-	-	-	-	-	-125114
Gas works	-489	-	-	-187	-	-	-	-	-	-	-676
Coke/pat.fuel/BKB/PB plants	-51421	-	-	-	-	-	-	-	-	-	-51421
Oil refineries	-	-478782	467609	-	-	-	-	-	-	-	-11174
Petrochemical plants	-	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-2565	1539	-	-	-	-	-	-	-	-	-1026
Other transformation	-	-	-	-	-	-	-	-	-	-	-
Energy industry own use	-77586	-4823	-18318	-20629	-	-	-	-	-52588	-10532	-184475
Losses	-	-2122	-47	-1296	-	-	-	-	-27010	-1006	-31481
TFC	718501	1593	446758	94141	-	-	23138	196856	386971	75532	1943490
INDUSTRY	551906	583	56661	36056	-	-	187	-	259509	52102	957004
Iron and steel	195619	-	1212	3138	-	-	-	-	49056	7080	256106
Chemical and petrochemical	72506	-	3874	14041	-	-	-	-	42777	23452	156650
Non-ferrous metals	17078	-	1127	2715	-	-	-	-	35380	2967	95267
Non-metallic minerals	165131	-	6021	6548	-	-	-	-	27077	246	205023
Transport equipment	4346	-	995	2354	-	-	-	-	7610	1231	16536
Machinery	15724	-	2417	3568	-	-	-	-	32919	1179	55808
Mining and quarrying	9529	-	3362	593	-	-	-	-	10346	1063	24893
Food and tobacco	28981	-	1068	1260	-	-	-	-	8822	3821	43953
Paper pulp and printing	12492	-	375	496	-	-	-	-	6103	4315	23781
Wood and wood products	3362	-	230	95	-	-	-	-	2739	111	6536
Construction	4176	-	6570	166	-	-	-	-	5806	186	16903
Textile and leather	13217	-	585	365	-	-	-	-	16331	5760	36258
Non-specified	9747	583	28825	715	-	-	187	-	14544	690	55291
TRANSPORT	2971	-	236182	12557	-	-	-	1696	4896	-	258301
Domestic aviation	-	-	13997	-	-	-	-	-	-	-	13997
Road	-	-	193969	12351	-	-	-	1696	-	-	208015
Rail	2968	-	4332	-	-	-	-	-	4896	-	12196
Pipeline transport	-	-	1	207	-	-	-	-	-	-	208
Domestic navigation	-	-	22053	-	-	-	-	-	-	-	22053
Non-specified	3	-	1830	-	-	-	-	-	-	-	1832
OTHER	104169	122	60604	34378	-	-	22951	195160	122567	23430	563381
Residential	49708	-	27445	27017	-	-	19200	195160	60107	19456	398093
Comm. and publ. services	20662	-	16296	7303	-	-	3149	-	23071	1779	72260
Agriculture/forestry	12879	-	16864	58	-	-	570	-	8831	28	39229
Fishing	-	-	-	-	-	-	-	-	-	-	-
Non-specified	20920	122	-	-	-	-	32	-	30558	2167	53799
NON-ENERGY USE	59456	888	93310	11149	-	-	-	-	-	-	164803
in industry/transf./energy	59456	888	74277	11149	-	-	-	-	-	-	145769
of which: chem./petrochem.	-	888	53077	11149	-	-	-	-	-	-	65114
in transport	-	-	8099	-	-	-	-	-	-	-	8099
in other	-	-	10935	-	-	-	-	-	-	-	10935
Electricity and Heat Output											
Electr. generated - GWh	4110826	-	6504	90602	111613	909611	156791	50604	-	-	5436551
Electricity plants	4110826	-	6504	90602	111613	909611	156791	50604	-	-	5436551
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat generated - TJ	3353067	-	112017	134618	-	-	-	46455	-	-	3646157
CHP plants	-	-	-	-	-	-	-	-	-	-	-
Heat plants	3353067	-	112017	134618	-	-	-	46455	-	-	3646157

Summary table for supply, transformation outputs and consumption

People's Republic of China

	2011	2012	2013	2014e
Production (Mtoe)				
Coal ¹	1 859.27	1 849.10	1 894.68	1 846.42
Crude oil and NGL	203.03	207.64	210.10	211.86
Oil products ²	423.15	446.77	467.61	..
Natural gas	88.13	92.54	101.11	108.90
Nuclear energy	22.50	25.38	29.09	..
Hydro energy ³	59.17	74.20	78.23	..
Geothermal energy	3.98	4.25	4.50	..
Energy from solar, wind, tide, etc.	17.141	21.684	32.207	..
Biofuels and waste	215.23	215.02	215.76	..
Total production of energy (Mtoe)	2 468.45	2 489.81	2 565.67	..
Net Imports (Mtoe)⁴				
Coal ^{1, 5}	101.21	143.57	164.84	150.83
Oil	275.30	292.55	300.67	..
Natural gas	21.83	30.89	39.36	42.13
Electricity	- 1.10	- 0.93	- 0.97	..
Total net imports of energy	397.25	466.09	503.90	..
Primary energy supply (Mtoe)				
Coal ¹	1 932.07	1 980.66	2 024.37	1 981.93
Oil	442.25	464.19	485.82	..
Natural gas	109.96	123.43	140.47	..
Biofuels and waste	215.23	215.02	215.76	..
Total primary energy supply (TPES) (Mtoe)	2 801.20	2 907.89	3 009.47	..
Primary energy supply of renewables (Mtoe)	291.02	310.41	325.42	..
TPES excl. biofuels and waste (Mtoe)	2 585.97	2 692.87	2 793.72	..
Electricity generation by fuel (%total)				
Coal ¹	79.14	75.93	75.61	..
Oil	0.17	0.13	0.12	..
Natural gas	1.79	1.72	1.67	..
Nuclear energy	1.84	1.95	2.05	..
Hydro energy	14.62	17.31	16.73	..
Renewables	16.85	20.04	20.32	..
Total electricity generation (GWh)	4 704 861	4 984 738	5 436 551	..
Electricity consumption (GWh)	332	355	387	..
Final consumption (Mtoe)				
Coal ¹	711.51	701.83	718.50	..
Oil	404.06	423.92	448.35	..
Natural gas	73.74	83.14	94.14	..
Electricity	332.178	355.016	386.971	..
Total final consumption of energy (Mtoe)	1 801.92	1 851.03	1 943.49	..
Consumption in industry (Mtoe)				
Coal ^{1, 6}	609.80	597.75	611.36	..
Oil ⁶	124.62	129.74	132.41	..
Natural gas ⁶	35.96	41.22	47.21	..
Electricity	228.274	240.273	259.509	..
Total consumption of energy in industry (Mtoe) ⁶	1 044.88	1 058.66	1 102.77	..
Consumption in transport (Mtoe)				
Oil ⁷	215.91	226.77	244.28	..
Electricity	3.985	4.470	4.896	..
Total consumption of energy in transport (Mtoe) ⁷	234.38	246.73	266.40	..
Other consumption (Mtoe)⁸				
Coal ¹	98.515	101.067	104.169	..
Oil	63.534	67.406	71.661	..
Natural gas	28.077	31.176	34.378	..
Total other consumption of energy (Mtoe)	522.661	545.635	574.316	..

1. Coal is aggregated with peat and oil shale, where applicable. The 2014 estimates do not include peat.

2. Production refers to refinery output.

3. Does not include electricity output from pumped storage plants.

4. A negative number shows net exports.

5. 2014 estimates only include primary coal products.

6. Includes non-energy use for industry/transformation processes/energy industry.

7. Includes non-energy use in transport.

8. Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

Summary table for other indicators

People's Republic of China

	2011	2012	2013	2014e
Other indicators				
GDP using exchange rates (billion 2005 USD)	4 196.33	4 517.46	4 864.00	..
GDP using purchasing power parities (billion 2005 USD)	12 015.89	12 935.41	13 927.71	..
Population (millions)	1 340.0	1 350.0	1 360.0	..
Energy production/TPES (self-sufficiency)	0.88	0.86	0.85	..
Net oil imports/GDP (toe per thousand 2005 USD) ⁴	0.07	0.06	0.06	..
TPES/GDP (toe per thousand 2005 USD)	0.67	0.64	0.62	..
TPES/GDP PPP (toe per thousand 2005 USD)	0.23	0.22	0.22	..
TPES/population (toe per capita)	2.09	2.15	2.21	..
Oil supply/GDP (toe per thousand 2005 USD)	0.11	0.10	0.10	..
Oil supply/population (toe per capita)	0.33	0.34	0.36	..
Electricity consumption/GDP (kWh per 2005 USD)	1.06	1.04	1.05	..
Electricity consumption/population (kWh per capita)	3 308	3 477	3 766	..

Summary table for supply, transformation outputs and consumption

	Non-OECD Total				World			
	2011	2012	2013	2014e	2011	2012	2013	2014e
Production (Mtoe)								
Coal ¹	2 880.08	2 927.75	3 005.38	2 960.47	3 858.16	3 880.24	3 958.10	3 934.36
Crude oil and NGL	3 228.34	3 263.60	3 219.40	3 234.11	4 119.08	4 195.26	4 215.64	4 300.00
Oil products ²	1 940.02	1 995.34	2 019.43	..	3 980.24	3 994.36	4 004.94	..
Natural gas	1 802.05	1 827.49	1 888.25	1 876.44	2 787.53	2 835.71	2 908.64	2 918.94
Nuclear energy	129.72	133.12	135.14	..	673.71	641.83	646.50	..
Hydro energy ³	182.16	196.09	204.43	..	301.54	315.57	325.96	..
Geothermal energy	33.27	34.29	34.51	..	65.87	66.48	66.18	..
Energy from solar, wind, tide, etc.	21.631	27.622	39.359	..	61.497	75.601	95.337	..
Biofuels and waste	1 050.18	1 069.70	1 089.19	..	1 310.24	1 338.01	1 375.55	..
Total production of energy (Mtoe)	9 327.95	9 480.12	9 617.09	..	13 178.75	13 349.83	13 594.11	..
Net Imports (Mtoe)⁴								
Coal ^{1, 5}	- 120.73	- 98.62	- 89.69	- 65.93	- 39.61	- 30.98	- 32.59	- 22.89
Oil	- 1 165.24	- 1 119.73	- 1 038.68	..	26.93	17.09	3.92	..
Natural gas	- 329.66	- 328.32	- 355.13	- 331.18	21.11	2.63	- 22.07	- 20.53
Electricity	0.55	1.71	1.99	..	0.70	0.73	3.00	..
Total net imports of energy	- 1 619.24	- 1 550.45	- 1 486.31	..	10.91	- 7.84	- 45.69	..
Primary energy supply (Mtoe)								
Coal ¹	2 725.57	2 817.78	2 877.94	2 876.75	3 789.81	3 837.86	3 907.21	3 880.12
Oil	1 849.48	1 953.17	1 978.98	..	4 138.05	4 207.75	4 215.85	..
Natural gas	1 470.47	1 497.07	1 531.03	..	2 790.36	2 840.78	2 901.94	..
Biofuels and waste	1 045.70	1 063.94	1 084.12	..	1 311.08	1 340.19	1 377.10	..
Total primary energy supply (TPES) (Mtoe)	7 459.07	7 725.24	7 888.93	..	13 133.74	13 327.93	13 541.28	..
Primary energy supply renewables (Mtoe)	1 272.88	1 311.57	1 351.47	..	1 706.21	1 763.08	1 829.46	..
TPES excl. biofuels and waste (Mtoe)	6 413.37	6 661.30	6 804.81	..	11 822.66	11 987.74	12 164.18	..
Electricity generation by fuel (%total)								
Coal ¹	48.70	48.00	48.77	..	41.28	40.50	41.30	..
Oil	6.28	6.20	5.57	..	4.76	4.96	4.41	..
Natural gas	19.76	19.71	19.42	..	22.02	22.45	21.72	..
Nuclear energy	4.37	4.29	4.12	..	11.66	10.86	10.63	..
Hydro energy	18.66	19.21	18.98	..	15.82	16.20	16.25	..
Renewables	20.74	21.66	21.97	..	19.98	20.93	21.65	..
Total electricity generation (GWh)	11 353 780	11 870 532	12 525 381	..	22 158 651	22 656 550	23 321 551	..
Electricity consumption (GWh)	783	824	873	..	1 584	1 624	1 677	..
Final consumption (Mtoe)								
Coal ¹	932.22	922.69	950.32	..	1 055.77	1 043.98	1 069.41	..
Oil	1 522.84	1 597.54	1 649.31	..	3 638.29	3 655.52	3 716.34	..
Natural gas	652.44	656.12	655.21	..	1 356.82	1 357.67	1 400.68	..
Electricity	783.31	823.84	872.73	..	1 583.75	1 624.09	1 677.15	..
Total final consumption of energy (Mtoe)	5 042.58	5 171.52	5 302.65	..	9 033.24	9 102.41	9 301.06	..
Consumption in industry (Mtoe)								
Coal ^{1, 6}	800.42	782.69	809.62	..	901.90	879.69	908.35	..
Oil ⁶	453.13	475.32	484.86	..	882.60	857.96	883.32	..
Natural gas ⁶	384.88	397.21	395.13	..	653.12	672.06	675.92	..
Electricity	412.557	429.036	453.474	..	669.04	682.855	708.825	..
Total energy consumption in industry (Mtoe) ⁶	2 269.48	2 310.10	2 362.91	..	3 418.03	3 405.98	3 494.17	..
Consumption in transport (Mtoe)								
Oil ⁷	835.63	882.85	917.68	..	2 316.24	2 348.30	2 386.00	..
Electricity	16.234	16.509	16.824	..	25.120	25.448	25.863	..
Total energy consumption in transport (Mtoe) ⁷	942.00	985.94	1 025.40	..	2 496.73	2 527.82	2 575.82	..
Other consumption (Mtoe)⁸								
Coal ¹	128.450	136.851	137.631	..	150.381	160.977	157.832	..
Oil	234.070	239.363	246.778	..	439.461	449.263	447.024	..
Natural gas	198.157	193.072	192.589	..	610.724	595.110	628.533	..
Total other consumption of energy (Mtoe)	1 831.10	1 875.48	1 914.34	..	3 118.48	3 168.60	3 231.06	..

1. Coal is aggregated with peat and oil shale, where applicable. The 2014 estimates do not include peat.

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3. Does not include electricity output from pumped storage plants.

4. A negative number shows net exports.

5. 2014 estimates only include primary coal products.

6. Includes non-energy use for industry/transformation processes/energy industry.

7. Includes non-energy use in transport.

8. Includes residential, commerce/public services, agriculture/forestry and other non-specified. Also includes non-energy use for these sectors.

Summary table for other indicators

	Non-OECD Total				World			
	2011	2012	2013	2014e	2011	2012	2013	2014e
Other indicators								
GDP using exchange rates (billion 2005 USD)	14 440.05	15 175.16	15 903.77	..	54 022.56	55 244.00	56 518.97	..
GDP using PPP (billion 2005 USD)	41 594.71	43 805.07	46 017.81	..	80 827.87	83 552.44	86 334.19	..
Population (millions)	5 704.1	5 785.2	5 856.7	..	6 950.9	7 039.3	7 117.7	..
Energy production/TPES (self-sufficiency)	1.25	1.23	1.22	..	1.00	1.00	1.00	..
Net oil imports/GDP (toe per thousand 2005 USD) ⁴	- 0.08	- 0.07	- 0.07	..	0.00	0.00	0.00	..
TPES/GDP (toe per thousand 2005 USD)	0.52	0.51	0.50	..	0.24	0.24	0.24	..
TPES/GDP PPP (toe per thousand 2005 USD)	0.18	0.18	0.17	..	0.16	0.16	0.16	..
TPES/population (toe per capita)	1.31	1.34	1.35	..	1.89	1.89	1.90	..
Oil supply/GDP (toe per thousand 2005 USD)	0.13	0.13	0.12	..	0.08	0.08	0.07	..
Oil supply/population (toe per capita)	0.32	0.34	0.34	..	0.60	0.60	0.59	..
Electricity consumption/GDP (kWh per 2005 USD)	0.71	0.71	0.71	..	0.38	0.38	0.38	..
Electricity consumption/population (kWh per capita)	1 798	1 856	1 940	..	2 941	2 967	3 026	..

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	557493	2894413	..	..	444482	19745	173467	1522194	2651272	-	4100875
From other sources	-	156295	..	..	-	-	-	-	-	-	-
Imports	44654	177588	..	..	116	123	-	-	-	-	1140118
Exports	-3594	-18105	..	..	-3297	-154	-	-	-	-	-124112
Intl. marine bunkers	-	-	..	..	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	..	..	-	-	-	-	-	-	-
Stock changes	-9406	-32087	..	..	-10290	-55	-	-	-	-	-
DOMESTIC SUPPLY	589147	3178104	..	..	431011	19659	173467	1522194	2651272	-	5116881
Transfers	-	-	..	..	-423	-	-	-	-	-	-
Statistical differences	-434	-33090	..	..	-547	-965	59740	-21372	-6390	-	-2958
TRANSFORMATION	537821	2008831	..	..	282678	-	-	345326	623437	-	989837
Electricity plants	526	1755259	..	..	-	-	-	218710	427091	-	864162
CHP plants	-	-	..	..	-	-	-	-	-	-	-
Heat plants	223	193119	..	..	-	-	-	126616	196346	-	113567
Blast furnaces	-	-	..	..	281444	-	-	-	-	-	-
Gas works	3306	5399	..	..	1090	-	-	-	-	-	12108
Coke/pat.fuel/BKB/PB plants	532081	53281	..	..	144	-	-	-	-	-	-
Oil refineries	-	-	..	..	-	-	-	-	-	-	-
Petrochemical plants	-	-	..	..	-	-	-	-	-	-	-
Liquefaction plants	1685	1773	..	..	-	-	-	-	-	-	-
Other transformation	-	-	..	..	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3284	133402	..	..	2704	124	6845	259153	-	-	624181
Fuel mining and extraction	757	66395	..	..	553	124	-	15841	-	-	374833
Oil refineries	-	-	..	..	-	-	-	-	-	-	222610
Elec., CHP and heat plants	92	27117	..	..	169	-	-	20	-	-	945
Pumped storage plants	-	-	..	..	-	-	-	-	-	-	-
Other energy ind. own use	2435	39890	..	..	1982	-	6845	243292	-	-	25793
Losses	-	-	..	..	-	-	-	-	-	-	68407
FINAL CONSUMPTION	47608	1002781	..	..	144659	18570	226362	896343	2021445	-	3431498
INDUSTRY	42117	744806	..	..	130451	12527	117773	804951	2021445	-	1250027
Iron and steel	23624	105523	..	..	75734	-	-	658454	2021445	-	109935
Chemical and petrochemical	3578	113049	..	..	20299	3771	18345	50770	-	-	549870
Non-ferrous metals	2339	21373	..	..	6634	-	19799	16947	-	-	52552
Non-metallic minerals	9199	315204	..	..	9651	-	52621	52465	-	-	242133
Transport equipment	31	6065	..	..	1766	-	40	719	-	-	69442
Machinery	1249	23617	..	..	13595	-	6812	9350	-	-	134204
Mining and quarrying	1027	12667	..	..	2090	-	19402	9331	-	-	11087
Food and tobacco	459	59457	..	..	177	-	226	645	-	-	32689
Paper, pulp and print	264	30828	..	..	30	-	-	37	-	-	11891
Wood and wood products	23	7284	..	..	51	-	-	-	-	-	3849
Construction	55	7911	..	..	48	-	-	-	-	-	4978
Textile and leather	75	30055	..	..	100	-	9	2674	-	-	9669
Non-specified	194	11773	..	..	276	8756	519	3559	-	-	17728
TRANSPORT	-	6281	..	..	1	-	-	-	-	-	451463
Domestic aviation	-	-	..	..	-	-	-	-	-	-	-
Road	-	-	..	..	-	-	-	-	-	-	444822
Rail	-	6281	..	..	1	-	-	-	-	-	-
Pipeline transport	-	-	..	..	-	-	-	-	-	-	6641
Domestic navigation	-	-	..	..	-	-	-	-	-	-	-
Non-specified	-	-	..	..	-	-	-	-	-	-	-
OTHER	-	179728	..	..	1067	6043	108589	80643	-	-	1306531
Residential	-	86078	..	..	411	6043	100994	70482	-	-	1029266
Comm. and public services	-	35548	..	..	115	-	7595	10161	-	-	275085
Agriculture/forestry	-	22066	..	..	541	-	-	-	-	-	2180
Fishing	-	-	..	..	-	-	-	-	-	-	-
Non-specified	-	36036	..	..	-	-	-	-	-	-	-
NON-ENERGY USE	5491	71966	..	..	13140	-	-	10749	-	-	423477
in industry/transf./energy of which: chem./petrochem.	5491	71966	..	..	13140	-	-	10749	-	-	423477
in transport	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / diesel ³
Production	202876	155	-	-	14699	21095	80805	12713	6292	166044
From other sources	1186	-	-	-	-	-	-	-	-	-
Imports	253779	-	-	-	-	3496	29	4116	2067	2327
Exports	-2514	-	-	-	-	-1191	-4060	-	-6563	-2012
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-383
Intl. aviation bunkers	-	-	-	-	-	-	-	-6038	-	-
Stock changes	-14530	-	-	-	-	30	-1170	-	-90	-780
DOMESTIC SUPPLY	440797	155	-	-	14699	23430	75604	10791	1706	165196
Transfers	-1186	-155	423	-	-	224	-	-	-	716
Statistical differences	178	-	-	-	-52	-260	-20	-	-	141
TRANSFORMATION	432661	-	423	-	2088	6	-	-	-	416
Electricity plants	113	-	-	-	719	-	-	-	-	392
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	46	-	-	-	1369	6	-	-	-	24
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	432502	-	423	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3675	-	-	-	11103	37	-	-	23	4787
Fuel mining and extraction	3675	-	-	-	-	23	-	-	23	4043
Oil refineries	-	-	-	-	11103	-	-	-	-	250
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	473
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	14	-	-	-	21
Losses	1770	-	-	-	-	47	-	-	-	-
FINAL CONSUMPTION	1683	-	-	-	1456	23304	75584	10791	1683	160850
INDUSTRY	742	-	-	-	1253	3534	-	-	385	18206
Iron and steel	-	-	-	-	-	542	-	-	3	835
Chemical and petrochemical	-	-	-	-	882	1099	-	-	13	1391
Non-ferrous metals	-	-	-	-	-	95	-	-	18	602
Non-metallic minerals	-	-	-	-	-	960	-	-	35	2487
Transport equipment	-	-	-	-	-	149	-	-	118	996
Machinery	-	-	-	-	-	421	-	-	57	2167
Mining and quarrying	-	-	-	-	-	1	-	-	9	2100
Food and tobacco	-	-	-	-	-	70	-	-	4	949
Paper, pulp and print	-	-	-	-	-	25	-	-	2	294
Wood and wood products	-	-	-	-	-	12	-	-	1	236
Construction	-	-	-	-	-	72	-	-	108	5186
Textile and leather	-	-	-	-	-	47	-	-	11	687
Non-specified	742	-	-	-	371	41	-	-	6	276
TRANSPORT	-	-	-	-	-	607	73647	10791	-	114625
Domestic aviation	-	-	-	-	-	-	-	10791	-	-
Road	-	-	-	-	-	607	73647	-	-	95637
Rail	-	-	-	-	-	-	-	-	-	4955
Pipeline transport	-	-	-	-	-	-	-	-	-	1
Domestic navigation	-	-	-	-	-	-	-	-	-	12587
Non-specified	-	-	-	-	-	-	-	-	-	1445
OTHER	130	-	-	-	-	17366	1860	-	1254	27800
Residential	-	-	-	-	-	16072	-	-	235	4474
Comm. and public services	-	-	-	-	-	1238	-	-	1004	10605
Agriculture/forestry	-	-	-	-	-	56	1860	-	15	12721
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	130	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	811	-	-	-	203	1797	77	-	44	219
in industry/transf./energy	811	-	-	-	203	1797	77	-	44	219
of which: chem./petrochem.	811	-	-	-	203	1797	77	-	44	219
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	10938	42096	12745	49139	8432244	2340	325393	188599	4715761	3221153
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	26835	-	-	16476	-	-	-	-	6562	-
Exports	-12271	-	-	-4594	-	-	-	-	-19307	-
Intl. marine bunkers	-8723	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-260	-	-	-4250	-	-	-	-	-	-
DOMESTIC SUPPLY	16519	42096	12745	56771	8432244	2340	325393	188599	4703016	3221153
Transfers	-	359	-	43	-	-	-	-	-	-
Statistical differences	-413	-	-	-	-	-	-	-1249	-199	-
TRANSFORMATION	2447	-	-	-	473100	-	-	187350	-	-
Electricity plants	609	-	-	-	453577	-	-	155076	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	1838	-	-	-	19523	-	-	32274	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1606	-	-	-	-	-	-	-	570207	410665
Fuel mining and extraction	278	-	-	-	-	-	-	-	119338	36984
Oil refineries	1286	-	-	-	-	-	-	-	60706	307605
Elec., CHP and heat plants	40	-	-	-	-	-	-	-	366980	61817
Pumped storage plants	-	-	-	-	-	-	-	-	14162	-
Other energy ind. own use	2	-	-	-	-	-	-	-	9021	4259
Losses	-	-	-	-	-	-	-	-	270070	35482
FINAL CONSUMPTION	12053	42455	12745	56814	7959144	2340	325393	-	3862540	2775006
INDUSTRY	6447	-	-	27236	-	-	-	-	2654345	1928754
Iron and steel	89	-	-	-	-	-	-	-	524827	269238
Chemical and petrochemical	874	-	-	-	-	-	-	-	409156	864332
Non-ferrous metals	787	-	-	-	-	-	-	-	350180	112633
Non-metallic minerals	3121	-	-	-	-	-	-	-	291793	12236
Transport equipment	180	-	-	-	-	-	-	-	86141	35424
Machinery	270	-	-	-	-	-	-	-	335775	54131
Mining and quarrying	3	-	-	-	-	-	-	-	105185	29839
Food and tobacco	196	-	-	-	-	-	-	-	86663	140405
Paper, pulp and print	137	-	-	-	-	-	-	-	68288	160742
Wood and wood products	8	-	-	-	-	-	-	-	28198	5155
Construction	306	-	-	-	-	-	-	-	57182	6226
Textile and leather	259	-	-	-	-	-	-	-	163089	213587
Non-specified	217	-	-	27236	-	-	-	-	147868	24806
TRANSPORT	3968	-	-	-	-	2340	-	-	46340	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	2340	-	-	-	-
Rail	-	-	-	-	-	-	-	-	46340	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	3968	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1107	-	-	-	7959144	-	325393	-	1161855	846252
Residential	-	-	-	-	7959144	-	325393	-	562006	700439
Comm. and public services	1094	-	-	-	-	-	-	-	220525	63598
Agriculture/forestry	13	-	-	-	-	-	-	-	101290	907
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	278034	81308
NON-ENERGY USE	531	42455	12745	29578	-	-	-	-	-	-
in industry/transf./energy	531	42455	12745	10990	-	-	-	-	-	-
of which: chem./petrochem.	531	42455	-	965	-	-	-	-	-	-
in transport	-	-	-	7966	-	-	-	-	-	-
in other	-	-	-	10622	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	555695	2950106	..	..	447699	19571	145154	1473122	2643525	-	4306080
From other sources	-	171788	..	..	-	-	-	-	-	-	-
Imports	53610	235176	..	..	76	68	-	-	-	-	1550000
Exports	-1308	-10446	..	..	-1020	-137	-	-	-	-	-112511
Intl. marine bunkers	-	-	..	..	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	..	..	-	-	-	-	-	-	-
Stock changes	-5161	-32529	..	..	10767	-30	-	-	-	-	-
DOMESTIC SUPPLY	602836	3314095	..	..	457522	19472	145154	1473122	2643525	-	5743569
Transfers	-	-	..	..	-491	-	-	-	-	-	-
Statistical differences	-2646	-64890	..	..	-270	-332	67568	-589	-6282	-	-12014
TRANSFORMATION	550229	2129502	..	..	305960	-	-	379847	665135	-	1025063
Electricity plants	583	1834727	..	..	-	-	-	244896	442324	-	881276
CHP plants	-	-	..	..	-	-	-	-	-	-	-
Heat plants	427	237370	..	..	-	-	-	134951	222811	-	133081
Blast furnaces	-	-	..	..	305152	-	-	-	-	-	-
Gas works	2330	6156	..	..	667	-	-	-	-	-	10706
Coke/pat.fuel/BKB/PB plants	545150	49207	..	..	141	-	-	-	-	-	-
Oil refineries	-	-	..	..	-	-	-	-	-	-	-
Petrochemical plants	-	-	..	..	-	-	-	-	-	-	-
Liquefaction plants	1739	2042	..	..	-	-	-	-	-	-	-
Other transformation	-	-	..	..	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3350	135608	..	..	2469	109	5728	219994	-	-	758574
Fuel mining and extraction	1231	68074	..	..	707	109	-	5108	-	-	401558
Oil refineries	-	-	..	..	-	-	-	-	-	-	321287
Elec., CHP and heat plants	84	25730	..	..	46	-	-	3442	-	-	3008
Pumped storage plants	-	-	..	..	-	-	-	-	-	-	-
Other energy ind. own use	2035	41804	..	..	1716	-	5728	211444	-	-	32721
Losses	-	-	..	..	-	-	-	-	-	-	78964
FINAL CONSUMPTION	46611	984095	..	..	148332	19031	206994	872692	1972108	-	3868954
INDUSTRY	41571	715247	..	..	131544	12914	104849	789720	1972108	-	1389786
Iron and steel	23476	107378	..	..	80489	-	-	637192	1972107	-	127587
Chemical and petrochemical	3880	107962	..	..	19757	4049	12671	53241	-	-	530711
Non-ferrous metals	2144	20255	..	..	6061	-	14253	17390	-	-	96441
Non-metallic minerals	8964	305381	..	..	10712	-	42797	55434	-	-	262580
Transport equipment	41	6300	..	..	1980	-	-	664	-	-	92319
Machinery	1077	18639	..	..	10177	-	6452	12890	-	-	129501
Mining and quarrying	938	12714	..	..	1873	-	22635	7192	-	-	39532
Food and tobacco	462	57122	..	..	146	-	75	701	-	-	48758
Paper, pulp and print	193	26895	..	..	17	-	-	37	-	-	16222
Wood and wood products	14	6994	..	..	42	-	-	-	-	-	3995
Construction	61	7606	..	..	63	-	-	-	-	-	4917
Textile and leather	60	26881	..	..	67	-	19	3707	-	-	12094
Non-specified	261	11120	..	..	160	8865	5947	1272	1	-	25129
TRANSPORT	-	5935	..	..	1	-	-	-	-	-	500035
Domestic aviation	-	-	..	..	-	-	-	-	-	-	-
Road	-	-	..	..	-	-	-	-	-	-	492101
Rail	-	5935	..	..	1	-	-	-	-	-	-
Pipeline transport	-	-	..	..	-	-	-	-	-	-	7934
Domestic navigation	-	-	..	..	-	-	-	-	-	-	-
Non-specified	-	-	..	..	-	-	-	-	-	-	-
OTHER	-	185177	..	..	1165	6117	102145	72776	-	-	1450699
Residential	-	86418	..	..	379	6117	94878	66554	-	-	1122281
Comm. and public services	-	37386	..	..	211	-	7267	6222	-	-	325911
Agriculture/forestry	-	22661	..	..	575	-	-	-	-	-	2507
Fishing	-	-	..	..	-	-	-	-	-	-	-
Non-specified	-	38712	..	..	-	-	-	-	-	-	-
NON-ENERGY USE	5040	77736	..	..	15622	-	-	10196	-	-	528434
in industry/transf./energy	5040	77736	..	..	15622	-	-	10196	-	-	528434
of which: chem./petrochem.	-	-	..	..	-	-	-	-	-	-	528434
in transport	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / diesel ³
Production	207478	163	-	-	15019	21036	89761	13791	7370	169586
From other sources	1288	-	-	-	-	-	-	-	-	-
Imports	271027	-	-	-	-	3585	5	4468	1740	909
Exports	-2432	-	-	-	-	-1282	-2917	-	-7451	-1854
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-292
Intl. aviation bunkers	-	-	-	-	-	-	-	-6361	-	-
Stock changes	-9226	-	-	-	-	-30	-5203	-	37	89
DOMESTIC SUPPLY	468135	163	-	-	15019	23309	81646	11898	1696	168438
Transfers	-1288	-163	491	-	-	237	-	-	-	778
Statistical differences	64	-	-	-	-102	422	13	-	-	-220
TRANSFORMATION	459458	-	491	-	2068	1	-	-	-	380
Electricity plants	109	-	-	-	675	-	-	-	-	356
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	14	-	-	-	1393	1	-	-	-	24
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	459335	-	491	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	4631	-	-	-	11466	7	-	-	22	3408
Fuel mining and extraction	4631	-	-	-	-	3	-	-	22	2782
Oil refineries	-	-	-	-	11466	-	-	-	-	203
Elec., CHP and heat plants	-	-	-	-	-	-	-	-	-	400
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	4	-	-	-	23
Losses	1777	-	-	-	-	43	-	-	-	-
FINAL CONSUMPTION	1045	-	-	-	1383	23917	81659	11898	1674	165208
INDUSTRY	560	-	-	-	1180	2784	-	-	333	18549
Iron and steel	-	-	-	-	-	232	-	-	2	894
Chemical and petrochemical	-	-	-	-	837	893	-	-	13	1151
Non-ferrous metals	-	-	-	-	-	65	-	-	24	555
Non-metallic minerals	-	-	-	-	-	864	-	-	47	2607
Transport equipment	-	-	-	-	-	106	-	-	93	826
Machinery	-	-	-	-	-	331	-	-	52	1694
Mining and quarrying	-	-	-	-	-	19	-	-	5	3529
Food and tobacco	-	-	-	-	-	58	-	-	2	907
Paper, pulp and print	-	-	-	-	-	21	-	-	2	263
Wood and wood products	-	-	-	-	-	9	-	-	1	230
Construction	-	-	-	-	-	68	-	-	79	5180
Textile and leather	-	-	-	-	-	42	-	-	7	495
Non-specified	560	-	-	-	343	76	-	-	6	218
TRANSPORT	-	-	-	-	-	638	79656	11898	-	117112
Domestic aviation	-	-	-	-	-	-	-	11898	-	-
Road	-	-	-	-	-	638	79656	-	-	96343
Rail	-	-	-	-	-	-	-	-	-	4613
Pipeline transport	-	-	-	-	-	-	-	-	-	1
Domestic navigation	-	-	-	-	-	-	-	-	-	14494
Non-specified	-	-	-	-	-	-	-	-	-	1661
OTHER	121	-	-	-	-	18622	1929	-	1314	29332
Residential	-	-	-	-	-	16354	-	-	256	4820
Comm. and public services	-	-	-	-	-	2204	-	-	1046	11157
Agriculture/forestry	-	-	-	-	-	64	1929	-	12	13355
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	121	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	364	-	-	-	203	1873	74	-	27	215
in industry/transf./energy	364	-	-	-	203	1873	74	-	27	215
of which: chem./petrochem.	364	-	-	-	203	1873	74	-	27	215
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	8732	44708	13536	56933	8403532	2520	329369	198687	4994038	3463385
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	26832	-	-	15476	-	-	-	-	6874	-
Exports	-11617	-	-	-3281	-	-	-	-	-17653	-
Intl. marine bunkers	-8590	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-631	-	-	-5913	-	-	-	-	-	-
DOMESTIC SUPPLY	14726	44708	13536	63215	8403532	2520	329369	198687	4983259	3463385
Transfers	-	389	-	47	-	-	-	-	-	-
Statistical differences	-203	-	-	-	-	-	-	-448	-526	-
TRANSFORMATION	2304	-	-	-	504630	-	-	198239	-	-
Electricity plants	431	-	-	-	485255	-	-	157922	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	1873	-	-	-	19375	-	-	40317	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1437	-	-	-	-	-	-	-	565022	416964
Fuel mining and extraction	137	-	-	-	-	-	-	-	127595	30347
Oil refineries	1274	-	-	-	-	-	-	-	59492	315866
Elec., CHP and heat plants	24	-	-	-	-	-	-	-	354895	67046
Pumped storage plants	-	-	-	-	-	-	-	-	12150	-
Other energy ind. own use	2	-	-	-	-	-	-	-	10890	3705
Losses	-	-	-	-	-	-	-	-	289616	36562
FINAL CONSUMPTION	10782	45097	13536	63262	7898902	2520	329369	-	4128095	3009859
INDUSTRY	4614	-	-	31307	-	-	-	-	2793867	2072831
Iron and steel	78	-	-	-	-	-	-	-	522052	283333
Chemical and petrochemical	515	-	-	-	-	-	-	-	452293	932018
Non-ferrous metals	636	-	-	-	-	-	-	-	381908	113872
Non-metallic minerals	2312	-	-	-	-	-	-	-	295126	10739
Transport equipment	108	-	-	-	-	-	-	-	81878	48611
Machinery	171	-	-	-	-	-	-	-	350540	49841
Mining and quarrying	5	-	-	-	-	-	-	-	111595	47358
Food and tobacco	144	-	-	-	-	-	-	-	95410	144317
Paper, pulp and print	78	-	-	-	-	-	-	-	68612	162734
Wood and wood products	5	-	-	-	-	-	-	-	30991	4333
Construction	271	-	-	-	-	-	-	-	60840	6878
Textile and leather	149	-	-	-	-	-	-	-	179815	242303
Non-specified	142	-	-	31307	-	-	-	-	162807	26494
TRANSPORT	4466	-	-	-	-	2520	-	-	51981	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	2520	-	-	-	-
Rail	-	-	-	-	-	-	-	-	51981	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	4466	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1172	-	-	-	7898902	-	329369	-	1282247	937028
Residential	-	-	-	-	7898902	-	329369	-	621896	776075
Comm. and public services	1152	-	-	-	-	-	-	-	244261	71192
Agriculture/forestry	20	-	-	-	-	-	-	-	101257	1134
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	314833	88627
NON-ENERGY USE	530	45097	13536	31955	-	-	-	-	-	-
in industry/transf./energy	530	45097	13536	12214	-	-	-	-	-	-
of which: chem./petrochem.	530	45097	-	1025	-	-	-	-	-	-
in transport	-	-	-	8460	-	-	-	-	-	-
in other	-	-	-	11281	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

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SUPPLY AND CONSUMPTION	Coal (kt)						Coal gases (TJ)			Peat (kt)	Natural gas (TJ)
	Coking coal	Other bit. coal / anth.	Sub-bit. coal	Lignite	Coke / tar	Pat. fuel / BKB	Gas works gas	Coke oven gas	Recovered gases ¹		
Production	600694	2984054	..	..	495247	19042	150325	1574548	3147433	-	4705201
From other sources	-	163782	..	..	-	-	-	-	-	-	431
Imports	75421	251761	..	..	35	55	-	-	-	-	1938411
Exports	-1111	-8465	..	..	-4673	-154	-	-	-	-	-106866
Intl. marine bunkers	-	-	..	..	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	..	..	-	-	-	-	-	-	-
Stock changes	-7109	-36595	..	..	-20340	20	-	-	-	-	-
DOMESTIC SUPPLY	667895	3354537	..	..	470269	18963	150325	1574548	3147433	-	6537177
Transfers	-	-	..	..	-762	-	-	-	-	-	-
Statistical differences	-263	-4285	..	..	-156	-75	90399	-2736	-968	-	-29093
TRANSFORMATION	617510	2225086	..	..	313400	-	-	420325	813417	-	1107175
Electricity plants	556	1951218	..	..	-	-	-	281778	554154	-	931831
CHP plants	-	-	..	..	-	-	-	-	-	-	-
Heat plants	344	226752	..	..	-	-	-	138547	259263	-	166195
Blast furnaces	-	-	..	..	312924	-	-	-	-	-	-
Gas works	2185	6271	..	..	344	-	-	-	-	-	9149
Coke/pat.fuel/BKB/PB plants	612645	38032	..	..	132	-	-	-	-	-	-
Oil refineries	-	-	..	..	-	-	-	-	-	-	-
Petrochemical plants	-	-	..	..	-	-	-	-	-	-	-
Liquefaction plants	1780	2813	..	..	-	-	-	-	-	-	-
Other transformation	-	-	..	..	-	-	-	-	-	-	-
ENERGY IND. OWN USE	3800	133699	..	..	2902	130	5932	233020	-	-	959915
Fuel mining and extraction	1248	72556	..	..	1127	130	-	21631	-	-	454621
Oil refineries	-	-	..	..	-	-	-	-	-	-	440298
Elec., CHP and heat plants	105	20464	..	..	97	-	-	1106	-	-	3854
Pumped storage plants	-	-	..	..	-	-	-	-	-	-	-
Other energy ind. own use	2447	40679	..	..	1678	-	5932	210283	-	-	61142
Losses	-	-	..	..	-	-	-	-	-	-	60310
FINAL CONSUMPTION	46322	991467	..	..	153049	18758	234792	918467	2333048	-	4380684
INDUSTRY	41377	706018	..	..	133278	13430	156186	826192	2333048	-	1677801
Iron and steel	23162	113188	..	..	82782	-	-	659727	2333048	-	146036
Chemical and petrochemical	3451	105669	..	..	19432	4432	17063	50582	-	-	653386
Non-ferrous metals	2243	21143	..	..	5860	-	33329	20064	-	-	126356
Non-metallic minerals	9168	298106	..	..	11387	-	60768	69006	-	-	304704
Transport equipment	37	5874	..	..	2074	-	-	627	-	-	109552
Machinery	1191	17097	..	..	9257	-	5684	10604	-	-	166047
Mining and quarrying	1070	13101	..	..	2040	-	33273	8022	-	-	27576
Food and tobacco	464	56330	..	..	131	-	94	627	-	-	58651
Paper, pulp and print	167	24382	..	..	16	-	-	37	-	-	23067
Wood and wood products	9	6577	..	..	28	-	-	18	-	-	4430
Construction	67	8047	..	..	77	-	-	-	-	-	7708
Textile and leather	58	25703	..	..	52	-	19	4813	-	-	17003
Non-specified	290	10801	..	..	142	8998	5956	2065	-	-	33285
TRANSPORT	-	5827	..	..	22	-	-	-	-	-	584336
Domestic aviation	-	-	..	..	-	-	-	-	-	-	-
Road	-	-	..	..	-	-	-	-	-	-	574710
Rail	-	5827	..	..	18	-	-	-	-	-	-
Pipeline transport	-	-	..	..	-	-	-	-	-	-	9626
Domestic navigation	-	-	..	..	-	-	-	-	-	-	-
Non-specified	-	-	..	..	4	-	-	-	-	-	-
OTHER	-	192918	..	..	1482	5328	78606	64003	-	-	1599736
Residential	-	87570	..	..	380	5328	71161	57665	-	-	1257198
Comm. and public services	-	39616	..	..	410	-	7445	6338	-	-	339840
Agriculture/forestry	-	24506	..	..	692	-	-	-	-	-	2698
Fishing	-	-	..	..	-	-	-	-	-	-	-
Non-specified	-	41226	..	..	-	-	-	-	-	-	-
NON-ENERGY USE	4945	86704	..	..	18267	-	-	28272	-	-	518811
in industry/transf./energy	4945	86704	..	..	18267	-	-	28272	-	-	518811
of which: chem./petrochem.	-	-	..	..	-	-	-	-	-	-	518811
in transport	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-

1. Includes blast furnace gas and other recovered gases.

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SUPPLY AND CONSUMPTION	Oil (kt)									
	Crude oil ²	NGL	Feed-stocks	Additives	Refinery gas	LPG / ethane	Motor gasoline ³	Aviation fuels ⁴	Other kerosene	Gas / diesel ³
Production	209919	178	-	-	15490	23155	98340	15390	9134	171770
From other sources	1539	-	-	-	-	-	-	-	-	-
Imports	281742	-	-	-	-	4517	-	4996	1694	269
Exports	-1617	-	-	-	-	-1269	-4687	-	-9175	-2782
Intl. marine bunkers	-	-	-	-	-	-	-	-	-	-247
Intl. aviation bunkers	-	-	-	-	-	-	-	-6797	-	-
Stock changes	-3334	-	-	-	-	-20	42	-	6	894
DOMESTIC SUPPLY	488249	178	-	-	15490	26383	93695	13589	1659	169904
Transfers	-1539	-178	762	-	-	266	-	-	-	930
Statistical differences	-67	-	-	-	-6	439	-33	-	-	260
TRANSFORMATION	478105	-	762	-	1879	5	-	-	-	382
Electricity plants	104	-	-	-	598	-	-	-	-	356
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	34	-	-	-	1281	5	-	-	-	26
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	477967	-	762	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	4823	-	-	-	12330	7	1	-	24	3329
Fuel mining and extraction	4823	-	-	-	-	2	-	-	24	2724
Oil refineries	-	-	-	-	12330	-	-	-	-	200
Elec., CHP and heat plants	-	-	-	-	-	-	1	-	-	385
Pumped storage plants	-	-	-	-	-	-	-	-	-	-
Other energy ind. own use	-	-	-	-	-	5	-	-	-	20
Losses	2122	-	-	-	-	39	-	-	-	-
FINAL CONSUMPTION	1593	-	-	-	1275	27037	93661	13589	1635	167383
INDUSTRY	583	-	-	-	1083	3074	-	-	321	18511
Iron and steel	-	-	-	-	-	259	-	-	2	805
Chemical and petrochemical	-	-	-	-	793	1230	-	-	12	1083
Non-ferrous metals	-	-	-	-	-	56	-	-	14	502
Non-metallic minerals	-	-	-	-	-	824	-	-	13	2823
Transport equipment	-	-	-	-	-	97	-	-	97	679
Machinery	-	-	-	-	-	288	-	-	50	1816
Mining and quarrying	-	-	-	-	-	21	-	-	5	3244
Food and tobacco	-	-	-	-	-	48	-	-	2	871
Paper, pulp and print	-	-	-	-	-	20	-	-	3	259
Wood and wood products	-	-	-	-	-	7	-	-	2	211
Construction	-	-	-	-	-	147	-	-	114	5570
Textile and leather	-	-	-	-	-	37	-	-	3	421
Non-specified	583	-	-	-	290	40	-	-	4	227
TRANSPORT	-	-	-	-	-	855	91564	13589	-	118463
Domestic aviation	-	-	-	-	-	-	-	13589	-	-
Road	-	-	-	-	-	855	91564	-	-	96699
Rail	-	-	-	-	-	-	-	-	-	4247
Pipeline transport	-	-	-	-	-	-	-	-	-	1
Domestic navigation	-	-	-	-	-	-	-	-	-	15722
Non-specified	-	-	-	-	-	-	-	-	-	1794
OTHER	122	-	-	-	-	20929	1987	-	1289	30169
Residential	-	-	-	-	-	18456	-	-	279	4912
Comm. and public services	-	-	-	-	-	2405	-	-	998	10842
Agriculture/forestry	-	-	-	-	-	68	1987	-	12	14415
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	122	-	-	-	-	-	-	-	-	-
NON-ENERGY USE	888	-	-	-	192	2179	110	-	25	240
in industry/transf./energy	888	-	-	-	192	2179	110	-	25	240
of which: chem./petrochem.	888	-	-	-	192	2179	110	-	25	240
in transport	-	-	-	-	-	-	-	-	-	-
in other	-	-	-	-	-	-	-	-	-	-

2. Crude oil includes other hydrocarbons such as emulsified oils, synthetic crude oil, mineral oils extracted from bituminous minerals, etc.

3. Motor gasoline and gas/diesel oil excluding biofuels: do not include the liquid biofuel blended in these products. See liquid biofuels.

4. Aviation fuels includes aviation gasoline, gasoline-type jet fuel and kerosene-type jet fuel.

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SUPPLY AND CONSUMPTION	Oil cont. (kt)				Biofuels and waste				Electricity (GWh)	Heat (TJ)
	Fuel oil	Naphtha	Petroleum coke	Other products	Solid bio-fuels ⁵ (TJ)	Liquid bio-fuels (kt)	Biogases (TJ)	Waste / other (TJ)		
Production	11382	46521	14085	55088	8413882	2500	329369	220786	5447231	3646157
From other sources	-	-	-	-	-	-	-	-	-	-
Imports	23470	-	-	19241	-	-	-	-	7438	-
Exports	-11348	-	-	-3506	-	-	-	-	-18669	-
Intl. marine bunkers	-7462	-	-	-	-	-	-	-	-	-
Intl. aviation bunkers	-	-	-	-	-	-	-	-	-	-
Stock changes	-904	-	-	-7544	-	-	-	-	-	-
DOMESTIC SUPPLY	15138	46521	14085	63279	8413882	2500	329369	220786	5436000	3646157
Transfers	-	465	-	56	-	-	-	-	-	-
Statistical differences	648	-	-	-	-	-	-	11	-98	-
TRANSFORMATION	2145	-	-	-	570730	-	-	220797	-	-
Electricity plants	473	-	-	-	551492	-	-	177157	-	-
CHP plants	-	-	-	-	-	-	-	-	-	-
Heat plants	1672	-	-	-	19238	-	-	43640	-	-
Blast furnaces	-	-	-	-	-	-	-	-	-	-
Gas works	-	-	-	-	-	-	-	-	-	-
Coke/pat.fuel/BKB/PB plants	-	-	-	-	-	-	-	-	-	-
Oil refineries	-	-	-	-	-	-	-	-	-	-
Petrochemical plants	-	-	-	-	-	-	-	-	-	-
Liquefaction plants	-	-	-	-	-	-	-	-	-	-
Other transformation	-	-	-	-	-	-	-	-	-	-
ENERGY IND. OWN USE	1325	-	-	-	-	-	-	-	622165	441020
Fuel mining and extraction	114	-	-	-	-	-	-	-	137013	26047
Oil refineries	1182	-	-	-	-	-	-	-	67749	345977
Elec., CHP and heat plants	27	-	-	-	-	-	-	-	390326	66032
Pumped storage plants	-	-	-	-	-	-	-	-	13953	-
Other energy ind. own use	2	-	-	-	-	-	-	-	13124	2964
Losses	-	-	-	-	-	-	-	-	314071	42140
FINAL CONSUMPTION	12316	46986	14085	63335	7843152	2500	329369	-	4499666	3162997
INDUSTRY	4466	-	-	30547	-	-	-	-	3017543	2181842
Iron and steel	78	-	-	-	-	-	-	-	570423	296479
Chemical and petrochemical	409	-	-	-	-	-	-	-	497410	982059
Non-ferrous metals	533	-	-	-	-	-	-	-	411391	124234
Non-metallic minerals	2139	-	-	-	-	-	-	-	314849	10319
Transport equipment	86	-	-	-	-	-	-	-	88483	51566
Machinery	168	-	-	-	-	-	-	-	382776	49380
Mining and quarrying	23	-	-	-	-	-	-	-	120303	44510
Food and tobacco	120	-	-	-	-	-	-	-	102583	160028
Paper, pulp and print	84	-	-	-	-	-	-	-	70961	180715
Wood and wood products	4	-	-	-	-	-	-	-	31848	4638
Construction	595	-	-	-	-	-	-	-	67507	7794
Textile and leather	108	-	-	-	-	-	-	-	189890	241224
Non-specified	119	-	-	30547	-	-	-	-	169119	28896
TRANSPORT	6017	-	-	-	-	2500	-	-	56925	-
Domestic aviation	-	-	-	-	-	-	-	-	-	-
Road	-	-	-	-	-	2500	-	-	-	-
Rail	-	-	-	-	-	-	-	-	56925	-
Pipeline transport	-	-	-	-	-	-	-	-	-	-
Domestic navigation	6017	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
OTHER	1343	-	-	-	7843152	-	329369	-	1425198	981155
Residential	-	-	-	-	7843152	-	329369	-	698916	814720
Comm. and public services	1323	-	-	-	-	-	-	-	268273	74490
Agriculture/forestry	20	-	-	-	-	-	-	-	102687	1186
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	355322	90759
NON-ENERGY USE	490	46986	14085	32788	-	-	-	-	-	-
in industry/transf./energy	490	46986	14085	12246	-	-	-	-	-	-
of which: chem./petrochem.	490	46986	-	1067	-	-	-	-	-	-
in transport	-	-	-	8803	-	-	-	-	-	-
in other	-	-	-	11739	-	-	-	-	-	-

5. Includes both primary and secondary solid biofuels.

Summary table for supply, transformation outputs and consumption

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	2011	2012	2013	2014e
Indigenous Production (unit)				
Coking coal (kt) ¹	557 493	555 695	600 694	609 634
Other bituminous coal and anthracite (kt) ¹	3 050 708	3 121 894	3 147 836	3 040 347
Crude Oil, NGL and additives (kt) ²	203 031	207 641	210 097	211 847
Natural gas (TJ)	4 100 875	4 306 080	4 705 201	5 067 259
Biofuels and Waste (TJ) ³	9 012 948	9 004 124	9 035 037	..
Production of electricity (GWh)				
Fossil Fuels ⁴	3 815 123	3 877 406	4 207 932	..
Nuclear Electricity	86 350	97 394	111 613	..
Hydro Electricity ⁵	698 945	872 107	920 291	..
Geothermal Electricity	125	125	109	..
Solar Electricity	2 610	6 353	15 477	..
Wind Electricity	70 331	95 978	141 197	..
Biofuels and Waste	42 270	44 668	50 604	..
Total electricity ⁵	4 715 761	4 994 038	5 447 231	..
Of which: Renewables ^{6,7}	792 618	998 970	1 104 702	..
Production of heat (TJ)				
Total	3 221 153	3 463 385	3 646 157	..
Refinery output of oil products (kt)				
Total	416 566	440 472	460 355	..
Net Imports (unit) ⁸				
Coking coal (kt)	41 060	52 302	74 310	61 642
Other bituminous coal and anthracite (kt)	159 483	224 730	243 296	224 344
Crude Oil, NGL, refinery feedstocks and additives (kt)	251 265	268 595	280 125	..
Oil Products (kt)	24 655	24 613	21 420	..
Natural gas (TJ)	1 016 006	1 437 489	1 831 545	1 960 370
Electricity (GWh)	- 12 745	- 10 779	- 11 231	..
Final consumption (unit)				
Coking coal (kt)	47 608	46 611	46 322	..
Other bituminous coal and anthracite (kt)	1 002 781	984 095	991 467	..
Oil (kt)	399 418	419 461	442 895	..
Natural gas (TJ)	3 431 498	3 868 954	4 380 684	..
Electricity (GWh) ⁹	4 432 946	4 693 643	5 121 929	..
Consumption in industry (unit)				
Coking coal (kt) ¹⁰	47 608	46 611	46 322	..
Other bituminous coal and anthracite (kt) ¹⁰	816 772	792 983	792 722	..
Oil (kt) ¹⁰	127 675	133 460	136 026	..
Natural gas (TJ) ¹⁰	1 673 504	1 918 220	2 196 612	..
Electricity (GWh)	2 654 345	2 793 867	3 017 543	..
Consumption in transport (unit)				
Oil (kt) ¹¹	211 604	222 230	239 291	..
Electricity (GWh)	46 340	51 981	56 925	..

1. Also includes small quantities of coal from other sources.

2. Excludes synthetic fuels and biofuels production.

3. Liquid biofuels are converted from kt to TJ using the corresponding net calorific values.

4. Excludes electricity production from waste.

5. Includes electricity from hydro pumped storage.

6. Includes electricity from hydro, geothermal, solar, wind, tide, wave, biofuels and the renewable fraction of municipal waste.

7. Excludes electricity from hydro pumped storage.

8. A negative number shows net exports.

9. Domestic supply less losses.

10. Includes non-energy use for industry/transformation/energy.

11. Includes non-energy-use in transport.

Summary table for supply, transformation outputs and consumption

	Non-OECD Total			
	2011	2012	2013	2014e
Indigenous Production (unit)				
Coking coal (kt) ¹	721 144	727 936	779 578	789 574
Other bituminous coal and anthracite (kt) ¹	4 502 588	4 640 775	4 696 683	4 622 379
Sub-bituminous coal (kt) ¹	200 089	221 605	239 651	233 881
Lignite (kt) ¹	300 777	294 227	275 674	263 649
Peat (kt)	4 849	4 392	4 397	..
Crude Oil, NGL and additives (kt) ²	3 166 597	3 200 746	3 158 019	3 172 755
Natural gas (TJ)	83 855 095	85 039 255	87 866 347	87 317 119
Biofuels and Waste (TJ) ³	43 977 223	44 794 607	45 610 974	..
Charcoal (kt)	52 742	54 160	54 614	..
Production of electricity (GWh)				
Fossil Fuels ⁴	8 485 698	8 773 459	9 238 229	..
Nuclear Electricity	495 675	508 702	516 499	..
Hydro Electricity ⁵	2 139 424	2 300 257	2 398 844	..
Geothermal Electricity	24 800	25 591	25 565	..
Solar Electricity	4 483	11 394	24 284	..
Wind Electricity	106 343	143 043	197 840	..
Biofuels and Waste	117 483	127 332	145 024	..
Total electricity ⁵	11 375 051	11 890 652	12 547 173	..
Of which: Renewables ^{6,7}	2 355 007	2 570 668	2 751 485	..
Production of heat (TJ)				
Total	11 351 646	11 619 500	10 749 203	..
Refinery output of oil products (kt)				
Total	1 899 602	1 954 987	1 978 698	..
Net Imports (unit) ⁸				
Coking coal (kt)	81 214	84 388	105 718	103 923
Other bituminous coal and anthracite (kt)	- 180 515	- 148 470	- 139 504	- 121 045
Sub-bituminous coal (kt)	- 64 339	- 41 074	- 53 981	- 25 119
Lignite (kt)	936	- 2 463	- 2 448	- 2 785
Crude Oil, NGL, refinery feedstocks and additives (kt)	-1 041 631	-1 022 083	- 960 268	..
Oil Products (kt)	- 88 596	- 63 511	- 47 038	..
Natural gas (TJ)	-15 340 351	-15 277 999	-16 525 331	-15 410 972
Electricity (GWh)	6 356	19 830	23 127	..
Final consumption (unit)				
Coking coal (kt)	67 648	63 200	66 742	..
Other bituminous coal and anthracite (kt)	1 292 512	1 289 244	1 303 698	..
Sub-bituminous coal (kt)	19 636	18 932	19 222	..
Lignite (kt)	25 913	22 972	19 966	..
Oil (kt)	1 475 564	1 548 461	1 598 339	..
Natural gas (TJ)	30 360 175	30 531 227	30 489 141	..
Electricity (GWh) ⁹	10 258 443	10 739 771	11 359 156	..
Consumption in industry (unit)				
Coking coal (kt) ¹⁰	67 625	63 189	66 742	..
Other bituminous coal and anthracite (kt) ¹⁰	1 057 713	1 037 054	1 049 577	..
Sub-bituminous coal (kt) ¹⁰	17 740	17 131	17 431	..
Lignite (kt) ¹⁰	18 816	16 018	14 020	..
Oil (kt) ¹⁰	450 586	473 779	483 275	..
Natural gas (TJ) ¹⁰	17 909 621	18 483 662	18 386 537	..
Electricity (GWh)	4 797 176	4 988 791	5 272 957	..
Consumption in transport (unit)				
Oil (kt) ¹¹	804 792	849 762	883 480	..
Electricity (GWh)	188 770	191 967	195 626	..

1. Also includes small quantities of coal from other sources.

2. Excludes synthetic fuels and biofuels production.

3. Liquid biofuels are converted from kt to TJ using the corresponding net calorific values.

4. Excludes electricity production from waste.

5. Includes electricity from hydro pumped storage.

6. Includes electricity from hydro, geothermal, solar, wind, tide, wave, biofuels and the renewable fraction of municipal waste.

7. Excludes electricity from hydro pumped storage.

8. A negative number shows net exports.

9. Domestic supply less losses.

10. Includes non-energy use for industry/transformation/energy.

11. Includes non-energy-use in transport.

Summary table for supply, transformation outputs and consumption

	World			
	2011	2012	2013	2014e
Indigenous Production (unit)				
Coking coal (kt) ¹	1 008 614	1 016 074	1 076 776	1 106 583
Other bituminous coal and anthracite (kt) ¹	5 165 052	5 293 295	5 367 803	5 299 714
Sub-bituminous coal (kt) ¹	725 518	712 436	701 160	708 274
Lignite (kt) ¹	889 032	887 187	834 669	810 467
Peat (kt)	35 667	29 793	39 414	..
Crude Oil, NGL and additives (kt) ²	4 021 978	4 098 170	4 117 101	4 199 514
Natural gas (TJ)	129 712 904	131 954 738	135 348 500	135 827 602
Biofuels and Waste (TJ) ³	54 867 261	56 030 175	57 601 900	..
Charcoal (kt)	53 057	54 494	54 948	..
Production of electricity (GWh)				
Fossil Fuels ⁴	15 083 193	15 388 311	15 726 756	..
Nuclear Electricity	2 582 635	2 460 285	2 478 216	..
Hydro Electricity ⁵	3 591 859	3 753 166	3 874 417	..
Geothermal Electricity	69 276	70 219	71 615	..
Solar Electricity	66 029	103 442	144 513	..
Wind Electricity	435 311	522 725	636 781	..
Biofuels and Waste	408 718	434 725	461 777	..
Total electricity ⁵	22 244 287	22 740 268	23 405 687	..
Of which: Renewables ^{6,7}	4 427 591	4 741 598	5 047 962	..
Production of heat (TJ)				
Total	14 462 170	14 755 663	13 816 102	..
Refinery output of oil products (kt)				
Total	3 887 502	3 905 218	3 916 411	..
Net Imports (unit) ^{8,9}				
Coking coal (kt)	- 11 067	- 20 211	- 10 157	- 28 296
Other bituminous coal and anthracite (kt)	52 783	83 084	84 182	88 294
Sub-bituminous coal (kt)	- 57 058	- 36 930	- 54 073	- 16 843
Lignite (kt)	630	- 2 556	- 2 716	- 3 097
Crude Oil, NGL, refinery feedstocks and additives (kt)	101 902	84 191	65 355	..
Oil Products (kt)	- 72 222	- 75 809	- 66 958	..
Natural gas (TJ)	982 303	122 426	-1 027 186	- 955 140
Electricity (GWh)	8 152	8 519	34 836	..
Final consumption (unit)				
Coking coal (kt)	70 689	64 559	68 763	..
Other bituminous coal and anthracite (kt)	1 388 766	1 385 117	1 395 690	..
Sub-bituminous coal (kt)	30 778	29 770	36 876	..
Lignite (kt)	44 951	42 274	35 128	..
Oil (kt) ¹⁰	3 522 262	3 539 112	3 596 151	..
Natural gas (TJ)	63 137 090	63 176 854	65 178 265	..
Electricity (GWh) ¹¹	20 444 688	20 882 980	21 537 896	..
Consumption in industry (unit)				
Coking coal (kt) ¹²	70 202	64 288	68 515	..
Other bituminous coal and anthracite (kt) ¹²	1 130 034	1 105 469	1 118 460	..
Sub-bituminous coal (kt) ¹²	27 334	26 552	33 878	..
Lignite (kt) ¹²	28 026	25 899	22 002	..
Oil (kt) ¹²	870 657	849 989	873 289	..
Natural gas (TJ) ¹²	30 391 810	31 273 036	31 452 990	..
Electricity (GWh)	7 779 540	7 940 172	8 242 150	..
Consumption in transport (unit)				
Oil (kt) ^{10,13}	2 233 424	2 263 577	2 299 515	..
Electricity (GWh)	292 091	295 906	300 727	..

1. Also includes small quantities of coal from other sources.
2. Excludes synthetic fuels and biofuels production.
3. Liquid biofuels are converted from kt to TJ using the corresponding net calorific values.
4. Excludes electricity production from waste.
5. Includes electricity from hydro pumped storage.
6. Includes electricity from hydro, geothermal, solar, wind, tide, wave, biofuels and the renewable fraction of municipal waste.
7. Excludes electricity from hydro pumped storage.
8. A negative number shows net exports.
9. World shows the discrepancy between total exports and total imports.
10. World includes World marine bunkers and World aviation bunkers.
11. Domestic supply less losses.
12. Includes non-energy use for industry/transformation/energy.
13. Includes non-energy-use in transport.

Oil demand by main product group

	People's Republic of China			Non-OECD Total			World		
	2011	2012	2013	2011	2012	2013	2011	2012	2013
<i>Thousand tonnes</i>									
NGL/LPG/ethane	23 394	23 968	27 088	138 409	144 711	151 232	285 156	290 743	300 115
Naphtha	42 455	45 097	46 986	117 088	124 498	130 226	232 219	245 021	252 151
Motor gasoline	77 524	83 679	95 762	366 746	394 036	416 611	985 834	997 243	1 024 027
Aviation fuels	16 829	18 259	20 386	98 489	102 299	106 350	247 464	250 250	256 862
Kerosene	1 706	1 696	1 659	25 904	25 433	24 822	52 004	49 997	48 338
Gas diesel	166 203	169 293	171 294	648 774	670 231	686 012	1 259 903	1 278 713	1 300 064
Fuel oil	14 820	13 249	14 604	174 332	174 708	165 735	249 349	253 209	229 579
Other	80 390	87 825	89 250	235 789	252 741	257 377	408 137	417 249	420 040
Refinery fuel	12 639	12 943	13 712	67 048	68 482	68 514	169 965	152 005	151 112
Sub-total	435 960	456 009	480 741	1 872 579	1 957 139	2 006 879	3 890 031	3 934 430	3 982 288
Intl. marine bunkers	9 106	8 882	7 709	122 331	119 244	120 175	214 687	196 226	194 305
Total	445 066	464 891	488 450	1 994 910	2 076 383	2 127 054	4 104 718	4 130 656	4 176 593
<i>Thousand barrels/day</i>									
NGL/LPG/ethane	743.5	759.6	860.9	4 696.6	4 893.0	5 100.8	9 778.0	9 938.5	10 255.4
Naphtha	988.7	1 047.3	1 094.2	2 766.3	2 932.5	3 076.4	5 490.8	5 776.6	5 957.1
Motor gasoline	1 808.5	1 946.9	2 234.4	8 527.7	9 136.8	9 683.1	22 971.0	23 171.7	23 855.9
Aviation fuels	366.6	396.6	444.0	2 146.0	2 221.5	2 316.2	5 375.7	5 419.9	5 578.7
Kerosene	36.2	35.9	35.2	549.6	538.1	526.6	1 104.1	1 058.7	1 026.6
Gas diesel	3 396.5	3 450.1	3 500.5	13 247.1	13 640.3	13 998.9	25 698.9	26 008.2	26 517.2
Fuel oil	270.4	241.1	266.5	3 163.8	3 162.1	3 010.0	4 488.0	4 548.9	4 137.8
Other	1 480.6	1 614.0	1 642.6	4 394.3	4 685.4	4 776.8	7 443.3	7 620.0	7 696.0
Refinery fuel	271.9	277.9	295.9	1 420.1	1 446.8	1 454.7	3 544.8	3 507.6	3 525.5
Sub-total	9 362.9	9 769.5	10 374.2	40 911.5	42 656.5	43 943.5	85 894.7	87 050.0	88 550.3
Intl. marine bunkers	167.0	162.3	141.2	2 252.2	2 188.5	2 209.7	3 949.1	3 591.2	3 562.6
Total	9 529.9	9 931.7	10 515.4	43 163.7	44 845.0	46 153.2	89 843.7	90 641.1	92 112.9

COUNTRY NOTES AND SOURCES

In the references below, both the statistical year (2013) for which data are being published in this edition, as well as publication dates of the many documents which have been consulted during the development of this publication are mentioned. As a general rule, where specific documents or personal communications have been used, the date that is referenced is the date of publication of the document or the date of the communication, whereas, where data received through the completion of questionnaires are mentioned, the date that is referenced is the statistical year for which data are being published in this edition, namely 2013.

Data may not include all informal and/or illegal trade, production or consumption of energy products, although the IEA secretariat makes efforts to estimate these where reliable information is available.

People's Republic of China

Revisions of China's 2011, 2012 and 2013 energy data

In September 2015, the National Bureau of Statistics of China published China's energy statistics for 2013, as well as revised statistics for the years 2000 to 2012. NBS supplied the IEA with detailed energy balances for 2011 to 2013 and using these the IEA revised its 2011-2013 data based on these newly available figures. The revisions show significant changes both on the supply and demand side for a number of energy products, resulting in breaks in time series between 2010 and 2011. For the years 2000-2010, revisions will be published in the next edition of this publication.

Calorific values were also revised for bituminous coal in this edition. Net calorific values (NCV) for coal inputs to power generation as well as to main activity heat plants were modified from 2011 to 2013 by applying assumptions used by China on the average thermal efficiency of coal-fired power stations in these years. NCVs were also modified for bituminous coal production from 2011 to 2013. These NCVs were calculated as the implied calorific values used by China in converting its commodity balance to energy units.

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