Electricity Information

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Corrigendum

Please note that despite our best efforts to ensure quality control, errors have slipped into Electricity Information 2016.

The text in pages 7, 14, 15, 21, 28, 29, 35, 42, 43, 49, 56, 57, 63, 70, 71, 77, 82, 83, 87, 94, 95, 101, 108, 109, 115, 122, 123, 127, 129, 135, 136, 141, 148, 149, 155, 162, 163, 169, 176, 177, 183, 190, 191, 197, 204, 205, 211, 218, 219, 225, 231, 232, 239, 246, 247, 251, 253, 259, 260, 265, 270, 271, 277, 281, 282, 287, 294, 295, 301, 307, 308, 311, 313, 320, 321, 325, 332, 333, 339, 344, 345, 351, 358, 359, 365, 371, 372, 375, 377, 384, 385, 391, 398, 399, 405, 411, 412, 419, 426, 427, 433, 440, 441, 447, 452, 453, 459, 466, 467, 473, 480, 481, 485, 487, 492, 493, 499, 506, 507, 513, 520, 521 has changed. It should be replaced by the following pages.

OECD Total

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**4532.54**	**7711.63**	**9839.93**	**10618.57**	**10957.73**	**10898.32**	**10846.94**	**10822.38**
- Own use by power plant	207.72	407.12	492.16	491.91	500.43	488.54	485.16	-
Net production	**4324.82**	**7304.51**	**9347.77**	**10126.65**	**10457.31**	**10409.78**	**10361.78**	**-**
- Used for heat pumps	-	0.01	2.29	1.96	1.81	1.62	2.02	1.36
- Used for electric boilers	-	0.81	3.79	2.30	2.21	2.49	2.36	2.26
- Used for pumped storage	16.45	65.76	92.38	98.95	86.41	81.53	84.17	78.76
+ Imports	88.71	258.54	348.51	422.91	386.44	448.87	479.32	509.75
- Exports	81.26	243.56	347.93	407.27	374.80	439.02	474.72	511.12
Electrical energy supplied	**4315.82**	**7252.92**	**9249.89**	**10039.08**	**10378.51**	**10333.99**	**10277.83**	**..**
- Transmission & distr. losses	341.46	583.46	625.89	687.56	689.48	689.61	680.06	..
- Statistical difference	-0.01	18.56	41.60	12.54	3.41	-7.34	0.89	..
Total consumption	3974.38	6650.90	8582.40	9338.98	9685.63	9651.72	9596.88	..
Energy industry consumption[2]	**129.27**	**212.63**	**233.85**	**240.26**	**284.02**	**273.89**	**276.62**	**..**
Coal Mines	38.32	43.83	37.78	32.28	32.83	29.98	29.74	..
Oil + Gas Extraction	15.37	47.61	53.78	56.11	65.08	71.53	75.05	..
Patent Fuel Plants	0.04	0.03	0.00	0.00	0.00	-	-	..
Coke Ovens	2.11	3.60	3.06	3.42	3.99	4.09	3.98	..
BKB plants	4.52	9.08	5.04	5.12	5.15	5.01	5.00	..
Gas Works	4.17	1.95	0.55	0.68	0.18	0.25	0.27	..
Blast Furnaces	-	0.81	1.03	5.12	4.83	5.41	5.35	..
Oil Refineries	53.86	70.84	101.55	96.70	116.97	115.97	115.59	..
Nuclear Industry	-	13.77	16.64	0.29	0.37	0.34	0.33	..
Coal Liquefaction Plants	-	-	0.06	0.07	0.08	0.17	0.20	..
LNG/Regasification Plants	-	1.02	0.91	0.77	0.89	1.01	0.95	..
Energy - Non Specified	10.90	20.09	13.47	39.70	53.66	40.12	40.14	..
Final consumption	**3845.10**	**6438.28**	**8348.55**	**9098.71**	**9401.61**	**9377.84**	**9320.26**	**..**
Industry	**1874.43**	**2668.88**	**3251.37**	**3138.74**	**2980.61**	**2998.23**	**2983.45**	**..**
Iron and steel	277.71	300.71	344.56	334.98	313.20	320.79	328.01	..
Chem. and petrochemical	399.63	521.94	603.78	493.35	456.09	427.45	429.43	..
Non-ferrous metals	258.88	234.98	299.19	293.56	258.29	276.46	278.09	..
Non-metallic minerals	97.24	154.45	184.92	190.12	167.99	164.12	165.27	..
Transport equipment	66.90	99.98	153.62	156.76	143.28	151.81	153.10	..
Machinery	124.73	312.75	326.33	349.13	386.92	390.06	389.49	..
Mining and quarrying	60.70	106.69	118.89	92.71	105.36	122.84	120.19	..
Food and tobacco	89.39	176.36	227.70	249.87	249.08	244.88	247.51	..
Paper, pulp and printing	170.60	336.21	400.29	355.35	301.74	281.34	249.77	..
Wood and wood products	35.43	83.69	86.81	78.78	70.44	67.10	70.56	..
Construction	7.06	22.86	24.48	58.56	87.13	83.21	81.42	..
Textile and leather	87.43	108.30	113.23	96.49	74.44	69.59	69.49	..
Non specified/other	198.72	209.97	367.58	389.09	366.64	398.58	401.13	..
Transport	**62.54**	**89.92**	**106.40**	**105.61**	**101.82**	**105.40**	**104.41**	**..**
Rail Transport	57.26	73.58	84.28	85.93	83.99	83.86	82.25	..
Pipeline Transport	2.89	3.15	4.61	4.57	4.43	5.08	5.21	..
Road	-	0.91	0.98	1.24	1.08	2.26	2.71	..
Transport Non Specified	2.39	12.29	16.53	13.87	12.32	14.21	14.24	..
Commercial & publ. serv.	**758.00**	**1627.85**	**2401.53**	**2729.72**	**2999.66**	**2960.75**	**2941.37**	**..**
Residential	**1103.44**	**1973.03**	**2504.15**	**2831.26**	**3021.10**	**2946.53**	**2920.07**	**..**
Agriculture	**36.33**	**64.52**	**75.30**	**120.95**	**123.81**	**121.61**	**119.24**	**..**
Fishing	**-**	**0.60**	**0.60**	**2.76**	**3.31**	**3.64**	**3.98**	**..**
Sector non specified	10.36	13.46	9.20	169.68	171.30	241.68	247.74	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

OECD Total

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**993.32**	**1729.74**	**2078.14**	**2382.34**	**2649.27**	**2763.94**	**2796.70**	**2861.75**
Nuclear	52.92	266.79	302.74	315.06	313.55	306.66	302.51	302.42
Hydro	178.80	375.47	423.09	437.47	455.07	464.16	468.32	472.24
of which: mixed plants	-	*19.06*	*32.30*	*39.93*	*41.04*	*41.65*	*41.56*	*41.79*
of which: pure pumped storage	*2.36*	*38.20*	*64.51*	*63.13*	*66.31*	*68.48*	*68.49*	*69.33*
Geothermal	0.64	4.46	5.39	5.15	6.07	6.25	6.51	6.70
Solar PV	-	0.02	0.76	4.35	37.40	87.44	110.46	132.93
Solar thermal	-	0.34	0.42	0.39	1.21	2.48	3.68	3.97
Tide, wave, ocean	0.24	0.26	0.26	0.26	0.26	0.26	0.52	0.52
Wind	-	2.37	15.39	52.30	134.01	179.69	194.79	213.93
Other (e.g. fuel cells)	-	-	0.20	1.44	1.36	3.41	3.85	4.43
Combustible fuels	760.72	1080.03	1329.88	1565.92	1700.34	1713.58	1706.07	1724.61
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	..	..	..	..	..	..	..
Liquid fuels	..	..	..	..	..	..	..	..
Natural gas	..	..	..	..	..	..	..	..
Biofuels & waste	..	..	..	..	..	..	..	..
Multi-fired:								
Solid / liquid	..	..	..	..	..	..	..	..
Solid / natural gas	..	..	..	..	..	..	..	..
Liquid / natural gas	..	..	..	..	..	..	..	..
Solid / liquid / gas	..	..	..	..	..	..	..	..
Type of generation								
Steam	..	..	..	..	..	..	..	..
Internal combustion	..	..	..	..	..	..	..	..
Gas turbine	..	..	..	..	..	..	..	..
Combined cycle	..	..	..	..	..	..	..	..
Other	..	..	..	..	..	..	..	..
Peak load	..	..	..	..	..	..	..	..
Of which Autoproducers	**68.54**	**127.51**	**286.06**	**149.64**	**181.57**	**199.98**	**212.60**	**224.98**
Nuclear	0.55	0.95	0.17	-	-	-	-	-
Hydro	12.13	15.78	10.98	10.48	13.79	14.27	14.32	13.35
of which: mixed plants	-	*0.07*	*0.26*	*0.13*	*0.08*	*0.09*	*0.10*	*0.10*
of which: pure pumped storage	-	*0.16*	*0.01*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*
Geothermal	-	1.09	0.05	0.05	0.04	0.04	0.04	0.04
Solar PV	-	0.01	0.59	2.13	8.88	23.95	36.05	50.60
Solar thermal	-	0.34	-	-	-	-	0.09	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	1.98	0.65	3.28	4.61	6.19	7.43	8.62
Other (e.g. fuel cells)	-	-	0.03	1.13	0.92	2.65	2.74	2.88
Combustible fuels	55.87	107.36	273.59	132.60	153.32	152.87	151.94	149.49

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

OECD Total

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***52.1 e***	***50.9 e***	***54.1 e***	***50.9 e***	***47.2 e***	***45.0 e***	***44.5 e***	***43.3 e***
Nuclear	*52.2*	*74.0*	*84.8*	*85.2 e*	*83.3 e*	*72.7 e*	*74.1 e*	*74.8*
Hydro	*65.5*	*37.2*	*38.1 e*	*35.8 e*	*35.6*	*35.7*	*36.0 e*	*35.4*
Geothermal	*124.2*	*73.2*	*69.8*	*83.4*	*81.8*	*81.5*	*80.7*	*82.4*
Solar PV	*..*	*14.5 e*	*10.9 e*	*9.5 e*	*9.4 e*	*11.4 e*	*12.0 e*	*12.6 e*
Solar thermal	*-*	*22.3*	*14.3*	*17.6*	*15.5*	*21.8*	*18.0*	*23.4*
Tide, wave, ocean	*28.4*	*23.2*	*23.6 e*	*22.4*	*22.0 e*	*21.1 e*	*20.2 e*	*21.8*
Wind	*..*	*18.5*	*21.2 e*	*20.5 e*	*22.9*	*24.2*	*26.2*	*26.0 e*
Other (e.g. fuel cells)	*..*	*-*	*64.9*	*84.3*	*64.7*	*27.9 e*	*33.4*	*29.4*
Combustible fuels	*48.9 e*	*49.9 e*	*52.5 e*	*49.2 e*	*46.3 e*	*46.4*	*45.7 e*	*44.3*
Of which autoproducers	***61.2 e***	***59.1 e***	***27.6 e***	***55.9 e***	***47.3 e***	***44.7 e***	***41.9 e***	***39.8 e***
Nuclear	*88.2*	*78.0*	*49.3*	*-*	*-*	*-*	*-*	*-*
Hydro	*68.3*	*60.4*	*69.9 e*	*62.3 e*	*51.0*	*53.9*	*53.7 e*	*55.2*
Geothermal	*..*	*75.6*	*67.5*	*64.8*	*57.6*	*54.7*	*57.6*	*57.1*
Solar PV	*..*	*7.6 e*	*12.0 e*	*11.9 e*	*10.8 e*	*11.1 e*	*11.4 e*	*11.6 e*
Solar thermal	*-*	*22.5*	*-*	*-*	*-*	*-*	*-*	*-*
Tide, wave, ocean	*..*	*-*	*-*	*-*	*11.4*	*15.2*	*22.8*	*7.6*
Wind	*..*	*17.9*	*23.2 e*	*19.3 e*	*20.8*	*20.8*	*20.7*	*22.9 e*
Other (e.g. fuel cells)	*..*	*-*	*95.9*	*94.5*	*74.5*	*27.7*	*27.5*	*26.4*
Combustible fuels	*59.4 e*	*59.4 e*	*25.9 e*	*56.6 e*	*49.7*	*50.3*	*49.3*	*49.1*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

OECD Americas

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**2291.24**	**3834.98**	**4904.13**	**5219.28**	**5310.35**	**5337.56**	**5370.65**	**5325.28**
- Own use by power plant	95.76	209.63	266.76	242.12	250.95	246.01	248.87	-
Net production	**2195.48**	**3625.35**	**4637.37**	**4977.16**	**5059.40**	**5091.55**	**5121.78**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.23	22.78	31.95	32.25	29.78	24.15	26.44	25.39
+ Imports	18.22	40.86	66.19	65.48	65.05	82.26	81.44	86.77
- Exports	18.13	40.60	65.86	63.92	64.08	75.17	74.37	86.73
Electrical energy supplied	**2195.34**	**3602.83**	**4605.76**	**4946.46**	**5030.58**	**5074.49**	**5102.41**	**..**
- Transmission & distr. losses	193.13	347.73	307.80	362.70	361.91	359.06	359.66	..
- Statistical difference	0.00	-6.44	19.29	-4.24	-8.02	2.70	6.00	..
Total consumption	2002.21	3261.55	4278.66	4588.01	4676.70	4712.73	4736.75	..
Energy industry consumption[2]	**51.27**	**94.25**	**115.59**	**109.05**	**139.31**	**140.70**	**141.04**	**..**
Coal Mines	8.98	15.25	14.00	10.48	13.50	11.72	11.11	..
Oil + Gas Extraction	13.60	40.55	44.93	47.02	52.17	56.39	58.06	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.05	-	-	0.54	0.53	0.54	0.53	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.02	-	-	-	0.00	0.00	0.00	..
Blast Furnaces	-	-	-	3.45	3.27	3.36	3.31	..
Oil Refineries	28.62	38.44	56.67	44.98	55.14	54.37	53.76	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	0.06	0.08	0.02	..
Energy - Non Specified	-	-	-	2.57	14.64	14.24	14.24	..
Final consumption	**1950.93**	**3167.30**	**4163.07**	**4478.96**	**4537.39**	**4572.03**	**4595.71**	**..**
Industry	**783.58**	**1098.03**	**1453.76**	**1250.27**	**1160.41**	**1207.04**	**1185.85**	**..**
Iron and steel	80.63	89.78	94.13	72.38	59.46	61.49	60.38	..
Chem. and petrochemical	159.79	232.28	288.94	172.81	151.23	134.70	137.58	..
Non-ferrous metals	142.83	93.98	146.43	126.46	93.38	119.31	122.12	..
Non-metallic minerals	33.49	42.72	55.03	59.80	45.15	48.68	49.12	..
Transport equipment	31.15	39.12	61.50	58.26	48.30	54.66	56.04	..
Machinery	54.41	119.78	137.54	126.65	144.37	143.18	143.45	..
Mining and quarrying	35.63	72.37	89.74	64.51	71.12	81.95	82.78	..
Food and tobacco	41.80	60.17	76.96	88.94	84.73	81.84	81.70	..
Paper, pulp and printing	80.97	178.87	200.45	148.62	117.50	106.45	101.03	..
Wood and wood products	21.08	28.75	32.93	28.29	22.99	23.63	24.26	..
Construction	-	0.30	0.40	33.86	56.27	55.33	55.82	..
Textile and leather	38.12	37.34	38.19	31.25	18.07	17.80	17.78	..
Non specified/other	63.69	102.59	231.52	238.44	247.87	278.03	253.79	..
Transport	**7.84**	**8.41**	**10.26**	**11.82**	**11.81**	**13.58**	**14.70**	**..**
Rail Transport	4.50	5.14	5.74	7.48	7.94	8.25	8.75	..
Pipeline Transport	2.89	2.41	3.66	3.27	3.07	3.52	3.82	..
Road	-	0.86	0.87	1.07	0.80	1.81	2.12	..
Transport Non Specified	0.45	-	-	-	-	-	-	..
Commercial & publ. serv.	**503.73**	**958.82**	**1308.21**	**1435.33**	**1503.18**	**1472.08**	**1488.58**	**..**
Residential	**644.18**	**1078.57**	**1372.99**	**1561.03**	**1650.57**	**1611.60**	**1643.83**	**..**
Agriculture	**8.76**	**15.34**	**17.50**	**59.36**	**56.39**	**49.94**	**47.09**	**..**
Fishing	**-**	**0.09**	**0.16**	**0.12**	**0.08**	**0.15**	**0.10**	**..**
Sector non specified	2.83	8.03	0.18	161.02	154.96	217.65	215.57	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

OECD Americas

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**487.54**	**870.20**	**972.91**	**1166.83**	**1251.00**	**1280.67**	**1281.80**	**1300.42**
Nuclear	34.33	113.86	109.84	114.70	115.20	116.66	114.67	114.00
Hydro	40.33	162.26	179.09	186.69	193.17	194.26	194.85	196.54
of which: mixed plants	-	-	*11.14*	*12.22*	*12.31*	*12.33*	*12.33*	*12.34*
of which: pure pumped storage	-	*0.19*	*15.61*	*17.95*	*18.69*	*18.84*	*18.86*	*18.95*
Geothermal	0.08	3.37	3.65	3.25	3.37	3.42	3.43	3.33
Solar PV	-	-	0.20	0.53	3.16	8.96	13.05	17.06
Solar thermal	-	0.34	0.42	0.39	0.47	0.48	1.37	1.67
Tide, wave, ocean	-	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Wind	-	1.92	2.49	9.40	43.78	67.29	70.20	77.23
Other (e.g. fuel cells)	-	-	-	0.48	0.37	1.26	1.54	2.01
Combustible fuels	412.81	588.44	677.21	851.39	891.47	888.33	882.66	888.57
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	..	..	..	..	..	..	..
Liquid fuels	..	..	..	..	..	..	..	..
Natural gas	..	..	..	..	..	..	..	..
Biofuels & waste	..	..	..	..	..	..	..	..
Multi-fired:								
Solid / liquid	..	..	..	..	..	..	..	..
Solid / natural gas	..	..	..	..	..	..	..	..
Liquid / natural gas	..	..	..	..	..	..	..	..
Solid / liquid / gas	..	..	..	..	..	..	..	..
Type of generation								
Steam	..	..	..	..	..	..	..	..
Internal combustion	..	..	..	..	..	..	..	..
Gas turbine	..	..	..	..	..	..	..	..
Combined cycle	..	..	..	..	..	..	..	..
Other	..	..	..	..	..	..	..	..
Peak load	..	..	..	..	..	..	..	..
Of which Autoproducers	**7.42**	**52.51**	**197.18**	**46.53**	**53.02**	**59.79**	**58.66**	**59.76**
Nuclear	-	0.02	-	-	-	-	-	-
Hydro	4.43	5.89	5.45	5.44	5.63	5.97	6.20	5.83
of which: mixed plants	-	-	-	-	-	-	-	*0.01*
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	1.06	-	-	-	-	-	-
Solar PV	-	-	0.19	0.50	2.55	5.60	6.69	6.56
Solar thermal	-	0.34	-	-	-	-	0.09	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	1.91	0.02	0.02	0.45	1.27	1.65	2.12
Other (e.g. fuel cells)	-	-	-	0.44	0.37	0.94	0.92	1.05
Combustible fuels	2.98	43.29	191.54	40.13	44.03	46.01	43.13	44.20

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

OECD Americas

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***53.7***	***50.3 e***	***57.5 e***	***51.1 e***	***48.5 e***	***47.3 e***	***47.5 e***	***47.2 e***
Nuclear	*45.2*	*68.9*	*91.3*	*90.9*	*92.7*	*88.5*	*93.3*	*94.9*
Hydro	*152.3*	*43.5*	*44.0*	*43.7*	*41.2*	*42.9*	*42.8*	*42.2*
Geothermal	*466.2*	*71.6*	*64.2*	*84.7*	*82.0*	*80.0*	*81.5*	*84.8*
Solar PV	-	*- e*	*11.9 e*	*11.9 e*	*11.6 e*	*12.2 e*	*14.4 e*	*16.3* e
Solar thermal	-	*22.3*	*14.3*	*17.5*	*21.3*	*23.0*	*8.4*	*18.4*
Tide, wave, ocean	-	*14.8*	*18.3 e*	*16.0*	*16.0*	*15.4*	*8.6*	*9.1*
Wind	-	*18.3*	*27.2*	*23.6*	*27.5*	*26.7*	*31.3*	*31.7* e
Other (e.g. fuel cells)	-	-	-	*15.5*	*118.3*	*37.6*	*51.6*	*37.5*
Combustible fuels	*44.6*	*48.6 e*	*55.8 e*	*47.6 e*	*45.3*	*44.6*	*44.4*	*44.0*
Of which autoproducers	***69.2***	***60.3 e***	***14.7 e***	***59.4 e***	***53.1 e***	***53.4 e***	***54.3 e***	***53.3*** e
Nuclear	-	*69.7*	-	-	-	-	-	-
Hydro	*87.6*	*74.0*	*75.2*	*74.6*	*60.3*	*67.2*	*65.4*	*65.1*
Geothermal	-	*74.8*	-	-	-	-	-	-
Solar PV	-	*- e*	*11.5 e*	*11.8 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.2* e
Solar thermal	-	*22.5*	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*18.3*	*8.4*	*10.7*	*27.9*	*18.4*	*17.4*	*25.1* e
Other (e.g. fuel cells)	-	-	-	*16.8*	*106.0*	*43.8*	*47.8*	*42.7*
Combustible fuels	*41.8*	*60.2 e*	*13.0 e*	*58.4 e*	*54.3*	*57.9*	*60.9*	*59.4*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

OECD Asia Oceania

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**573.91**	**1195.05**	**1681.93**	**1848.86**	**2003.57**	**1961.93**	**1944.27**	**1921.74**
- Own use by power plant	22.85	44.37	63.87	79.19	83.06	75.28	72.86	-
Net production	**551.06**	**1150.68**	**1618.06**	**1769.67**	**1920.51**	**1886.65**	**1871.42**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	0.34	1.10	1.15	1.15	1.08	1.08	1.00
- Used for pumped storage	2.67	13.41	17.45	15.96	13.58	13.43	13.57	10.92
+ Imports	-	-	-	-	-	-	-	-
- Exports	0.07	0.46	1.46	1.67	3.97	4.68	4.84	4.84
Electrical energy supplied	**548.32**	**1136.48**	**1598.06**	**1750.89**	**1901.82**	**1867.47**	**1851.93**	**..**
- Transmission & distr. losses	33.04	57.27	78.86	81.64	86.27	84.61	80.14	..
- Statistical difference	-0.01	23.49	21.79	17.26	11.85	-10.70	-5.09	..
Total consumption	515.29	1055.72	1497.41	1652.00	1803.71	1793.55	1776.89	..
Energy industry consumption[2]	**8.41**	**14.57**	**19.88**	**23.11**	**34.92**	**38.07**	**40.56**	**..**
Coal Mines	2.59	2.97	4.26	5.04	5.45	6.12	6.58	..
Oil + Gas Extraction	0.12	0.82	1.20	2.20	3.12	3.46	4.94	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.16	1.11	1.28	1.22	1.79	1.96	1.87	..
BKB plants	0.08	0.04	0.06	0.25	0.15	0.05	0.04	..
Gas Works	0.03	0.02	0.01	0.00	0.00	0.03	0.05	..
Blast Furnaces	-	-	-	0.04	0.07	0.14	0.14	..
Oil Refineries	5.44	8.55	11.99	13.38	23.25	24.93	25.54	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	1.02	0.91	0.77	0.83	0.93	0.93	..
Energy - Non Specified	-	0.05	0.16	0.21	0.27	0.45	0.47	..
Final consumption	**506.89**	**1041.14**	**1477.53**	**1628.88**	**1768.79**	**1755.49**	**1736.33**	**..**
Industry	**328.31**	**556.55**	**651.79**	**661.30**	**673.86**	**660.51**	**663.80**	**..**
Iron and steel	80.01	86.03	109.77	117.18	121.72	124.43	125.60	..
Chem. and petrochemical	53.45	82.69	107.68	108.86	104.23	101.10	101.10	..
Non-ferrous metals	35.23	43.80	53.28	56.01	67.02	62.32	61.29	..
Non-metallic minerals	16.25	43.64	44.95	42.51	41.28	38.71	38.32	..
Transport equipment	10.16	24.35	39.12	44.26	45.34	46.09	46.96	..
Machinery	10.34	92.39	91.45	104.90	113.23	118.14	118.51	..
Mining and quarrying	5.32	11.77	14.15	13.07	17.01	21.44	22.95	..
Food and tobacco	8.63	36.27	46.69	45.91	46.34	43.21	43.93	..
Paper, pulp and printing	22.29	47.97	57.61	54.06	48.36	45.36	44.12	..
Wood and wood products	2.08	33.79	30.79	22.93	21.90	19.67	19.77	..
Construction	0.09	10.87	9.90	8.40	10.56	7.38	7.51	..
Textile and leather	9.35	24.17	26.90	21.04	19.66	17.06	16.50	..
Non specified/other	75.12	18.82	19.51	22.17	17.20	15.61	17.24	..
Transport	**14.32**	**19.24**	**22.60**	**25.18**	**24.69**	**24.87**	**24.66**	**..**
Rail Transport	14.32	19.19	22.15	23.96	23.05	22.52	22.36	..
Pipeline Transport	-	-	0.00	0.00	0.05	0.35	0.23	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	0.06	0.45	1.22	1.59	2.00	2.07	..
Commercial & publ. serv.	**48.37**	**199.93**	**419.39**	**508.97**	**589.85**	**593.50**	**577.99**	**..**
Residential	**110.06**	**255.93**	**366.55**	**414.66**	**455.22**	**437.70**	**423.24**	**..**
Agriculture	**2.82**	**6.71**	**12.48**	**12.16**	**15.93**	**19.52**	**20.07**	**..**
Fishing	**-**	**0.50**	**0.44**	**2.09**	**2.56**	**2.84**	**3.20**	**..**
Sector non specified	3.01	2.27	4.29	4.52	6.69	16.55	23.37	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

OECD Asia Oceania

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**128.07**	**247.76**	**377.91**	**413.46**	**454.85**	**471.21**	**483.34**	**507.63**
Nuclear	3.91	31.65	58.96	66.76	66.68	66.86	64.98	64.98
Hydro	32.35	53.11	63.87	65.06	67.30	69.43	68.70	69.39
of which: mixed plants	-	-	-	*5.71*	*5.63*	*5.63*	*5.63*	*5.63*
of which: pure pumped storage	-	*18.95*	*27.40*	*22.49*	*24.39*	*26.56*	*26.56*	*27.16*
Geothermal	0.18	0.53	0.95	0.97	1.27	1.24	1.33	1.49
Solar PV	-	-	0.36	1.49	4.74	10.33	18.90	30.52
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	0.26	0.26
Wind	-	-	0.16	2.24	5.07	6.22	7.07	7.85
Other (e.g. fuel cells)	-	-	-	0.02	0.09	0.11	0.15	0.20
Combustible fuels	91.63	162.48	253.61	276.93	309.71	317.02	321.95	332.95
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	..	..	..	..	..	..	..
Liquid fuels	..	..	..	..	..	..	..	..
Natural gas	..	..	..	..	..	..	..	..
Biofuels & waste	..	..	..	..	..	..	..	..
Multi-fired:								
Solid / liquid	..	..	..	..	..	..	..	..
Solid / natural gas	..	..	..	..	..	..	..	..
Liquid / natural gas	..	..	..	..	..	..	..	..
Solid / liquid / gas	..	..	..	..	..	..	..	..
Type of generation								
Steam	..	..	..	..	..	..	..	..
Internal combustion	..	..	..	..	..	..	..	..
Gas turbine	..	..	..	..	..	..	..	..
Combined cycle	..	..	..	..	..	..	..	..
Other	..	..	..	..	..	..	..	..
Peak load	..	..	..	..	..	..	..	..
Of which Autoproducers	**11.74**	**22.62**	**40.75**	**51.73**	**70.24**	**78.30**	**86.90**	**99.32**
Nuclear	0.01	0.17	0.17	-	-	-	-	-
Hydro	1.07	1.38	1.47	1.40	4.37	4.29	4.26	4.20
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	0.04	0.05	0.05	0.04	0.04	0.04	0.04
Solar PV	-	-	0.36	1.49	4.19	9.58	17.75	28.65
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.09	1.23	2.21	2.50	2.58	2.73
Other (e.g. fuel cells)	-	-	-	0.02	0.03	0.02	0.03	0.04
Combustible fuels	10.66	21.04	38.61	47.55	59.38	61.88	62.24	63.66

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

OECD Asia Oceania

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***51.2 e***	***55.1 e***	***50.8***	***51.1***	***50.3 e***	***47.4***	***46.3***	***43.7***
Nuclear	*57.6*	*92.1*	*83.4*	*77.2*	*74.8*	*28.4*	*26.0*	*27.5*
Hydro	*40.4*	*30.2*	*25.7*	*22.9*	*23.0*	*21.1*	*22.4 e*	*22.6*
Geothermal	*88.4*	*83.2*	*75.3*	*75.3*	*76.8*	*80.9*	*77.7*	*75.5*
Solar PV	..	*11.4 e*	*12.4 e*	*12.2 e*	*12.2 e*	*12.2 e*	*12.2 e*	*12.3 e*
Solar thermal	-	-	-	-	*15.2*	*7.6*	*11.4*	*15.2*
Tide, wave, ocean	..	-	-	-	-	-	*21.6*	*21.9*
Wind	..	-	*21.6 e*	*17.3 e*	*25.8*	*27.0*	*24.9*	*27.1*
Other (e.g. fuel cells)	..	-	-	*44.0*	*36.4*	*46.1 e*	*45.8*	*57.0*
Combustible fuels	*54.6 e*	*55.9*	*49.5*	*51.8*	*51.8 e*	*58.6*	*57.9*	*54.4*
Of which autoproducers	***66.8 e***	***69.5 e***	***55.6***	***46.6***	***35.1***	***31.6***	***29.3***	***27.4***
Nuclear	-	*60.1*	*49.3*	-	-	-	-	-
Hydro	*65.9*	*58.7*	*58.1*	*53.7*	*43.1*	*43.4*	*43.8 e*	*45.4*
Geothermal	..	*102.1*	*67.5*	*64.8*	*57.6*	*54.7*	*57.6*	*57.1*
Solar PV	..	*11.4 e*	*12.4 e*	*12.2 e*	*11.9 e*	*11.9 e*	*12.1 e*	*12.2 e*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	*14.7 e*	*16.3*	*20.3*	*21.3*	*18.8*	*21.0*
Other (e.g. fuel cells)	..	-	-	*44.0*	*32.3*	*22.8*	*20.6*	*17.9*
Combustible fuels	*67.0 e*	*70.2*	*56.0*	*48.2*	*36.7*	*34.2*	*33.6*	*33.3*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

OECD Europe

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**1667.39**	**2681.59**	**3253.87**	**3550.44**	**3643.81**	**3598.84**	**3532.01**	**3575.36**
- Own use by power plant	89.10	153.11	161.53	170.61	166.41	167.26	163.43	-
Net production	**1578.29**	**2528.48**	**3092.34**	**3379.83**	**3477.40**	**3431.58**	**3368.59**	**-**
- Used for heat pumps	-	0.01	2.29	1.96	1.81	1.62	2.02	1.36
- Used for electric boilers	-	0.46	2.69	1.15	1.07	1.41	1.29	1.26
- Used for pumped storage	13.56	29.57	42.98	50.75	43.06	43.95	44.16	42.45
+ Imports	70.49	217.68	282.31	357.44	321.40	366.61	397.87	422.98
- Exports	63.06	202.50	280.62	341.68	306.76	359.17	395.51	419.54
Electrical energy supplied	**1572.16**	**2513.61**	**3046.07**	**3341.72**	**3446.10**	**3392.03**	**3323.49**	**..**
- Transmission & distr. losses	115.29	178.46	239.23	243.22	241.31	245.94	240.27	..
- Statistical difference	-	1.51	0.52	-0.48	-0.42	0.65	-0.02	..
Total consumption	1456.88	2333.64	2806.33	3098.98	3205.22	3145.44	3083.24	..
Energy industry consumption[2]	**69.59**	**103.81**	**98.38**	**108.10**	**109.79**	**95.12**	**95.02**	**..**
Coal Mines	26.75	25.61	19.52	16.77	13.88	12.15	12.06	..
Oil + Gas Extraction	1.65	6.24	7.66	6.88	9.78	11.68	12.05	..
Patent Fuel Plants	0.04	0.03	0.00	0.00	0.00	-	-	..
Coke Ovens	1.90	2.49	1.77	1.65	1.68	1.60	1.58	..
BKB plants	4.44	9.04	4.97	4.87	5.00	4.96	4.96	..
Gas Works	4.13	1.93	0.54	0.68	0.18	0.21	0.22	..
Blast Furnaces	-	0.81	1.03	1.64	1.49	1.92	1.91	..
Oil Refineries	19.79	23.84	32.89	38.34	38.58	36.67	36.29	..
Nuclear Industry	-	13.77	16.64	0.29	0.37	0.34	0.33	..
Coal Liquefaction Plants	-	-	0.06	0.07	0.08	0.17	0.20	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	10.90	20.04	13.31	36.91	38.75	25.42	25.43	..
Final consumption	**1387.29**	**2229.83**	**2707.95**	**2990.87**	**3095.43**	**3050.32**	**2988.22**	**..**
Industry	**762.53**	**1014.30**	**1145.82**	**1227.17**	**1146.34**	**1130.68**	**1133.80**	**..**
Iron and steel	117.07	124.90	140.65	145.42	132.02	134.87	142.04	..
Chem. and petrochemical	186.40	206.97	207.15	211.69	200.63	191.64	190.75	..
Non-ferrous metals	80.82	97.20	99.47	111.09	97.89	94.84	94.68	..
Non-metallic minerals	47.50	68.10	84.94	87.80	81.56	76.74	77.83	..
Transport equipment	25.59	36.51	53.00	54.24	49.64	51.06	50.10	..
Machinery	59.99	100.58	97.34	117.58	129.33	128.74	127.52	..
Mining and quarrying	19.76	22.56	15.00	15.13	17.23	19.45	14.46	..
Food and tobacco	38.97	79.92	104.05	115.02	118.01	119.84	121.88	..
Paper, pulp and printing	67.33	109.37	142.24	152.67	135.89	129.53	104.62	..
Wood and wood products	12.27	21.15	23.10	27.56	25.55	23.80	26.52	..
Construction	6.97	11.69	14.19	16.30	20.30	20.51	18.10	..
Textile and leather	39.96	46.79	48.14	44.20	36.71	34.73	35.22	..
Non specified/other	59.91	88.56	116.56	128.47	101.57	104.94	130.10	..
Transport	**40.38**	**62.27**	**73.54**	**68.62**	**65.32**	**66.96**	**65.05**	**..**
Rail Transport	38.44	49.25	56.39	54.49	53.00	53.09	51.14	..
Pipeline Transport	-	0.74	0.96	1.29	1.31	1.21	1.16	..
Road	-	0.04	0.12	0.18	0.28	0.45	0.59	..
Transport Non Specified	1.94	12.24	16.08	12.65	10.74	12.22	12.17	..
Commercial & publ. serv.	**205.90**	**469.10**	**673.93**	**785.41**	**906.64**	**895.17**	**874.80**	**..**
Residential	**349.20**	**638.53**	**764.61**	**855.57**	**915.30**	**897.23**	**853.00**	**..**
Agriculture	**24.75**	**42.47**	**45.31**	**49.43**	**51.50**	**52.15**	**52.08**	**..**
Fishing	**-**	**0.01**	**0.01**	**0.54**	**0.67**	**0.65**	**0.68**	**..**
Sector non specified	4.52	3.16	4.73	4.13	9.66	7.48	8.80	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

OECD Europe

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**377.71**	**611.78**	**727.32**	**802.04**	**943.41**	**1012.06**	**1031.56**	**1053.70**
Nuclear	14.69	121.29	133.94	133.60	131.68	123.14	122.86	123.44
Hydro	106.12	160.11	180.14	185.73	194.61	200.46	204.77	206.31
of which: mixed plants	-	*19.06*	*21.16*	*22.00*	*23.11*	*23.69*	*23.61*	*23.82*
of which: pure pumped storage	*2.36*	*19.07*	*21.51*	*22.70*	*23.23*	*23.08*	*23.07*	*23.22*
Geothermal	0.39	0.56	0.79	0.93	1.43	1.60	1.76	1.89
Solar PV	-	0.01	0.20	2.33	29.51	68.15	78.51	85.35
Solar thermal	-	-	-	-	0.73	2.00	2.30	2.30
Tide, wave, ocean	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Wind	-	0.45	12.74	40.66	85.15	106.18	117.52	128.85
Other (e.g. fuel cells)	-	-	0.20	0.95	0.89	2.05	2.16	2.22
Combustible fuels	256.29	329.11	399.06	437.61	499.16	508.23	501.45	503.10
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	..	..	..	..	..	..	..
Liquid fuels	..	..	..	..	..	..	..	..
Natural gas	..	..	..	..	..	..	..	..
Biofuels & waste	..	..	..	..	..	..	..	..
Multi-fired:								
Solid / liquid	..	..	..	..	..	..	..	..
Solid / natural gas	..	..	..	..	..	..	..	..
Liquid / natural gas	..	..	..	..	..	..	..	..
Solid / liquid / gas	..	..	..	..	..	..	..	..
Type of generation								
Steam	..	..	..	..	..	..	..	..
Internal combustion	..	..	..	..	..	..	..	..
Gas turbine	..	..	..	..	..	..	..	..
Combined cycle	..	..	..	..	..	..	..	..
Other	..	..	..	..	..	..	..	..
Peak load	..	..	..	..	..	..	..	..
Of which Autoproducers	**49.39**	**52.38**	**48.13**	**51.39**	**58.32**	**61.89**	**67.04**	**65.90**
Nuclear	0.54	0.77	-	-	-	-	-	-
Hydro	6.63	8.51	4.06	3.64	3.79	4.01	3.86	3.31
of which: mixed plants	-	*0.07*	*0.26*	*0.13*	*0.08*	*0.09*	*0.10*	*0.09*
of which: pure pumped storage	-	*0.16*	*0.01*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.05	0.14	2.15	8.78	11.61	15.40
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.07	0.55	2.03	1.95	2.43	3.20	3.77
Other (e.g. fuel cells)	-	-	0.03	0.67	0.52	1.69	1.79	1.79
Combustible fuels	42.22	43.03	43.44	44.92	49.91	44.99	46.58	41.63

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

OECD Europe

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***50.4 e***	***50.0 e***	***51.1 e***	***50.5 e***	***44.1 e***	***41.0 e***	***39.8 e***	***38.3 e***
Nuclear	*67.2*	*74.1*	*80.1*	*84.3 e*	*79.4 e*	*81.6 e*	*81.5 e*	*81.0*
Hydro	*40.2*	*33.3*	*36.6 e*	*32.5 e*	*34.5*	*33.8*	*34.1 e*	*33.2*
Geothermal	*74.4*	*73.1*	*88.9*	*87.4*	*85.6*	*85.0*	*81.5*	*83.5*
Solar PV	*..*	*11.4 e*	*7.3 e*	*7.3 e*	*8.7 e*	*11.2 e*	*11.6 e*	*12.1* e
Solar thermal	*-*	*-*	*-*	*-*	*11.8*	*21.5*	*23.7*	*27.1*
Tide, wave, ocean	*28.4*	*23.9*	*24.0 e*	*22.9*	*22.6 e*	*21.7 e*	*19.7 e*	*22.6*
Wind	*..*	*19.6*	*20.0 e*	*19.9 e*	*20.3*	*22.4*	*23.2*	*22.6* e
Other (e.g. fuel cells)	*..*	*-*	*61.1*	*119.8*	*45.2*	*21.0 e*	*19.4*	*19.7*
Combustible fuels	*53.6 e*	*49.4 e*	*48.8 e*	*50.8 e*	*44.6 e*	*41.9*	*40.3 e*	*38.3*
Of which autoproducers	***58.7 e***	***53.3 e***	***56.6 e***	***62.1 e***	***56.7 e***	***52.9 e***	***47.5 e***	***46.1*** e
Nuclear	*90.3*	*82.1*	*-*	*-*	*-*	*-*	*-*	*-*
Hydro	*55.8*	*51.2*	*67.1 e*	*47.2 e*	*46.4*	*45.3*	*45.9 e*	*50.0*
Geothermal	*..*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Solar PV	*..*	*2.9 e*	*10.2 e*	*8.9 e*	*7.2 e*	*9.6 e*	*9.9 e*	*10.2* e
Solar thermal	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Tide, wave, ocean	*..*	*-*	*-*	*-*	*22.8*	*15.2*	*22.8*	*7.6*
Wind	*..*	*7.3*	*25.0 e*	*21.2 e*	*19.7*	*21.4*	*24.0*	*23.2* e
Other (e.g. fuel cells)	*..*	*-*	*70.4*	*147.3*	*54.4*	*18.7*	*17.2*	*17.0*
Combustible fuels	*58.8 e*	*53.3 e*	*56.0 e*	*63.8 e*	*61.0*	*64.8*	*59.5*	*62.1*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

IEA Total

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**4470.74**	**7539.57**	**9530.21**	**10242.96**	**10529.67**	**10432.39**	**10375.35**	**10341.75**
- Own use by power plant	205.41	398.08	477.33	470.63	480.91	471.52	468.98	-
Net production	**4265.33**	**7141.49**	**9052.87**	**9772.33**	**10048.76**	**9960.87**	**9906.37**	**-**
- Used for heat pumps	-	0.01	2.29	1.96	1.81	1.62	2.02	1.36
- Used for electric boilers	-	0.66	3.61	2.13	2.03	2.30	2.16	2.06
- Used for pumped storage	16.45	65.76	92.38	98.95	86.17	81.14	83.80	78.38
+ Imports	88.36	256.25	342.02	411.30	376.46	440.14	469.94	498.26
- Exports	81.19	238.46	340.73	394.15	358.74	424.29	457.23	488.02
Electrical energy supplied	**4256.04**	**7092.86**	**8955.88**	**9686.44**	**9976.48**	**9891.67**	**9831.10**	**..**
- Transmission & distr. losses	334.73	564.35	591.92	642.88	636.96	638.41	630.86	..
- Statistical difference	-0.01	25.10	23.34	11.36	7.30	-4.23	9.40	..
Total consumption	3921.32	6503.41	8340.62	9032.20	9332.22	9257.48	9190.84	..
Energy industry consumption[2]	**128.99**	**212.15**	**230.18**	**234.49**	**277.42**	**267.24**	**269.87**	**..**
Coal Mines	38.19	43.58	37.68	32.19	32.76	29.92	29.69	..
Oil + Gas Extraction	15.37	47.61	52.93	53.82	62.19	68.78	72.36	..
Patent Fuel Plants	0.04	0.03	0.00	0.00	0.00	-	-	..
Coke Ovens	2.11	3.60	3.06	3.42	3.99	4.09	3.98	..
BKB plants	4.52	9.08	5.04	5.12	5.15	5.01	5.00	..
Gas Works	4.15	1.95	0.55	0.68	0.18	0.25	0.27	..
Blast Furnaces	-	0.81	1.03	5.12	4.83	5.41	5.35	..
Oil Refineries	53.72	70.61	99.01	93.51	113.59	112.43	112.18	..
Nuclear Industry	-	13.77	16.64	0.29	0.37	0.34	0.33	..
Coal Liquefaction Plants	-	-	0.06	0.07	0.08	0.17	0.20	..
LNG/Regasification Plants	-	1.02	0.91	0.77	0.83	0.93	0.93	..
Energy - Non Specified	10.90	20.09	13.28	39.49	53.46	39.91	39.57	..
Final consumption	**3792.33**	**6291.26**	**8110.44**	**8797.71**	**9054.80**	**8990.25**	**8920.97**	**..**
Industry	**1846.38**	**2591.52**	**3121.82**	**2971.98**	**2790.57**	**2784.46**	**2762.91**	**..**
Iron and steel	277.41	289.62	333.31	324.46	303.91	312.02	319.81	..
Chem. and petrochemical	399.45	510.84	594.52	483.55	446.18	420.44	421.75	..
Non-ferrous metals	255.76	230.64	293.24	286.62	244.85	261.39	262.96	..
Non-metallic minerals	97.05	150.21	172.84	178.07	156.24	151.97	154.08	..
Transport equipment	66.90	99.03	151.88	154.53	140.71	148.93	149.95	..
Machinery	124.73	311.92	324.62	347.26	385.23	386.55	385.55	..
Mining and quarrying	60.41	96.26	97.96	67.82	74.69	86.10	82.42	..
Food and tobacco	89.34	174.69	224.81	246.23	245.42	240.46	242.76	..
Paper, pulp and printing	169.95	331.55	393.52	346.65	293.35	270.54	241.19	..
Wood and wood products	35.43	83.26	86.44	78.44	70.10	66.27	69.62	..
Construction	7.06	22.27	23.79	57.13	85.78	82.65	80.84	..
Textile and leather	87.43	107.47	112.38	95.65	73.90	69.19	69.07	..
Non specified/other	175.46	183.77	312.53	305.57	270.23	287.97	282.91	..
Transport	**61.98**	**88.68**	**104.82**	**104.07**	**100.02**	**103.61**	**102.10**	**..**
Rail Transport	56.71	72.34	82.81	84.40	82.20	82.09	80.09	..
Pipeline Transport	2.89	3.15	4.61	4.57	4.43	5.05	5.07	..
Road	-	0.91	0.98	1.24	1.08	2.26	2.71	..
Transport Non Specified	2.38	12.29	16.41	13.86	12.31	14.20	14.23	..
Commercial & publ. serv.	**751.62**	**1609.85**	**2364.81**	**2686.77**	**2948.88**	**2904.83**	**2886.91**	**..**
Residential	**1094.15**	**1940.19**	**2447.07**	**2763.09**	**2943.60**	**2863.57**	**2834.84**	**..**
Agriculture	**33.78**	**56.67**	**65.55**	**110.98**	**113.34**	**109.17**	**107.21**	**..**
Fishing	**-**	**0.50**	**0.44**	**2.60**	**3.19**	**3.44**	**3.84**	**..**
Sector non specified	4.43	3.85	5.95	158.22	155.21	221.17	223.17	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

IEA Total

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**982.91**	**1690.51**	**2014.77**	**2302.12**	**2552.82**	**2661.28**	**2692.82**	**2749.67**
Nuclear	52.92	266.12	300.72	313.04	311.52	304.58	300.42	300.33
Hydro	174.87	363.45	407.10	419.51	434.86	443.40	447.30	450.11
of which: mixed plants	-	*19.06*	*32.30*	*39.93*	*41.04*	*41.65*	*41.56*	*41.79*
of which: pure pumped storage	*2.36*	*38.20*	*64.51*	*63.13*	*66.13*	*68.30*	*68.31*	*69.15*
Geothermal	0.56	3.72	4.37	3.96	4.53	4.77	5.02	5.23
Solar PV	-	0.02	0.74	4.33	37.29	87.01	109.71	131.69
Solar thermal	-	0.34	0.42	0.39	1.21	2.48	3.59	3.97
Tide, wave, ocean	0.24	0.26	0.26	0.26	0.26	0.26	0.52	0.52
Wind	-	2.37	15.37	52.27	133.32	177.66	192.36	210.61
Other (e.g. fuel cells)	-	-	0.20	1.44	1.30	3.41	3.85	4.43
Combustible fuels	754.32	1054.25	1285.58	1506.93	1628.53	1637.72	1630.06	1642.79
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	..	..	..	..	..	..	..
Liquid fuels	..	..	..	..	..	..	..	..
Natural gas	..	..	..	..	..	..	..	..
Biofuels & waste	..	..	..	..	..	..	..	..
Multi-fired:								
Solid / liquid	..	..	..	..	..	..	..	..
Solid / natural gas	..	..	..	..	..	..	..	..
Liquid / natural gas	..	..	..	..	..	..	..	..
Solid / liquid / gas	..	..	..	..	..	..	..	..
Type of generation								
Steam	..	..	..	..	..	..	..	..
Internal combustion	..	..	..	..	..	..	..	..
Gas turbine	..	..	..	..	..	..	..	..
Combined cycle	..	..	..	..	..	..	..	..
Other	..	..	..	..	..	..	..	..
Peak load	..	..	..	..	..	..	..	..
Of which Autoproducers	**66.98**	**124.19**	**281.60**	**142.44**	**170.82**	**186.24**	**199.48**	**210.27**
Nuclear	0.55	0.95	0.17	-	-	-	-	-
Hydro	12.10	15.62	10.77	10.22	13.49	13.98	13.99	13.00
of which: mixed plants	-	*0.07*	*0.26*	*0.13*	*0.08*	*0.09*	*0.10*	*0.10*
of which: pure pumped storage	-	*0.16*	*0.01*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*
Geothermal	-	1.09	0.05	0.05	0.04	0.04	0.04	0.04
Solar PV	-	0.01	0.58	2.11	8.77	23.53	35.32	49.60
Solar thermal	-	0.34	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	1.98	0.64	3.26	4.18	4.97	5.90	6.65
Other (e.g. fuel cells)	-	-	0.03	1.13	0.89	2.65	2.74	2.88
Combustible fuels	54.34	104.21	269.37	125.68	143.44	141.07	141.49	138.10

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

IEA Total

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***51.9 e***	***50.9 e***	***54.0 e***	***50.8 e***	***47.1 e***	***44.7 e***	***44.2 e***	***43.1 e***
Nuclear	*52.2*	*73.9*	*84.9*	*85.2 e*	*83.4 e*	*72.6 e*	*73.9 e*	*74.7*
Hydro	*65.4*	*37.2*	*37.8 e*	*35.6 e*	*35.3*	*35.6*	*36.0*	*35.1*
Geothermal	*131.9*	*71.2*	*67.3*	*82.7*	*81.6*	*80.5*	*78.9*	*81.1*
Solar PV	-	*13.7 e*	*11.0 e*	*9.5 e*	*9.4 e*	*11.4 e*	*12.0 e*	*12.6* e
Solar thermal	-	*22.3*	*14.3*	*17.6*	*15.5*	*21.8*	*18.4*	*23.4*
Tide, wave, ocean	*28.4*	*23.2*	*23.6 e*	*22.4*	*22.0 e*	*21.1 e*	*20.2 e*	*21.8*
Wind	-	*18.6*	*21.2 e*	*20.5 e*	*22.9*	*24.2*	*26.2*	*26.0*
Other (e.g. fuel cells)	-	-	*64.9*	*84.3*	*66.4*	*27.9 e*	*33.4*	*29.4*
Combustible fuels	*48.7 e*	*49.9 e*	*52.3 e*	*49.0 e*	*46.1 e*	*45.9*	*45.3*	*44.1*
Of which autoproducers	***61.6 e***	***60.0 e***	***27.3 e***	***55.7 e***	***47.7 e***	***44.8 e***	***42.0 e***	***39.6*** e
Nuclear	*88.2*	*78.0*	*49.3*	-	-	-	-	-
Hydro	*67.3*	*60.4*	*70.6 e*	*62.9 e*	*51.4*	*54.3*	*54.2*	*55.6*
Geothermal	-	*75.7*	*67.5*	*64.8*	*57.6*	*54.7*	*57.6*	*57.1*
Solar PV	-	*5.7 e*	*12.1 e*	*11.9 e*	*10.8 e*	*11.0 e*	*11.3 e*	*11.5* e
Solar thermal	-	*22.5*	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	*11.4*	*15.2*	*22.8*	*7.6*
Wind	-	*17.9*	*23.6 e*	*19.4 e*	*20.0*	*21.4*	*21.5*	*22.2*
Other (e.g. fuel cells)	-	-	*95.9*	*94.5*	*75.9*	*27.7*	*27.5*	*26.4*
Combustible fuels	*60.1 e*	*60.6 e*	*25.6 e*	*56.4 e*	*50.2*	*50.5*	*49.4*	*49.2*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Australia

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**70.02**	**155.02**	**210.22**	**228.65**	**252.70**	**249.72**	**248.30**	**248.69**
- Own use by power plant	2.08	10.09	14.82	14.12	15.28	13.85	14.83	-
Net production	**67.94**	**144.93**	**195.40**	**214.53**	**237.42**	**235.87**	**233.47**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.59	1.09	0.57	0.51	0.08	0.17	0.06	0.16
+ Imports	-	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**67.35**	**143.84**	**194.83**	**214.01**	**237.34**	**235.70**	**233.41**	**..**
- Transmission & distr. losses	7.18	9.50	14.98	15.35	16.37	13.33	11.87	..
- Statistical difference	-	-	-	-	0.13	0.21	0.00	..
Total consumption	60.17	134.34	179.85	198.66	220.85	222.17	221.54	..
Energy industry consumption[2]	**2.07**	**5.13**	**7.10**	**9.43**	**10.84**	**11.99**	**13.49**	**..**
Coal Mines	0.98	2.94	4.21	4.99	5.37	6.06	6.53	..
Oil + Gas Extraction	0.12	0.81	1.14	2.19	3.10	3.38	4.87	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.16	0.16	0.14	0.02	0.07	0.14	0.14	..
BKB plants	0.08	0.04	0.06	0.25	0.15	0.05	0.04	..
Gas Works	0.03	0.02	0.01	0.00	0.00	0.03	0.05	..
Blast Furnaces	-	-	-	0.04	0.07	0.14	0.14	..
Oil Refineries	0.71	1.16	1.53	1.86	1.82	1.68	1.22	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	0.12	0.21	0.19	..
Energy - Non Specified	-	-	-	0.09	0.15	0.29	0.31	..
Final consumption	**58.10**	**129.21**	**172.75**	**189.23**	**210.01**	**210.18**	**208.06**	**..**
Industry	**26.60**	**59.18**	**77.03**	**74.06**	**82.10**	**79.65**	**79.48**	**..**
Iron and steel	4.45	4.87	5.25	3.80	3.53	3.39	3.28	..
Chem. and petrochemical	1.96	3.83	4.69	5.61	4.96	4.35	4.11	..
Non-ferrous metals	6.92	26.27	35.76	38.74	43.32	38.37	37.96	..
Non-metallic minerals	1.73	2.92	3.49	4.20	4.62	4.56	4.39	..
Transport equipment	0.82	1.38	3.09	..	..	..	..	..
Machinery	1.53	2.60	1.84	2.82	2.53	1.95	1.81	..
Mining and quarrying	3.05	5.97	9.08	8.20	11.94	15.57	16.65	..
Food and tobacco	2.29	4.49	5.59	5.21	5.38	5.72	5.92	..
Paper, pulp and printing	1.94	4.95	6.02	4.26	4.02	4.10	3.89	..
Wood and wood products	0.53	-	-	-	0.98	0.73	0.67	..
Construction	0.02	0.03	0.06	0.08	0.08	0.14	0.17	..
Textile and leather	1.36	1.87	2.07	0.92	0.72	0.74	0.61	..
Non specified/other	-	-	0.08	0.22	0.03	0.03	0.03	..
Transport	**0.70**	**1.81**	**2.34**	**3.46**	**3.67**	**4.77**	**4.77**	**..**
Rail Transport	0.70	1.81	1.95	2.30	2.09	2.49	2.53	..
Pipeline Transport	-	-	0.00	0.00	0.05	0.35	0.23	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	0.38	1.15	1.52	1.93	2.01	..
Commercial & publ. serv.	**10.07**	**27.31**	**41.74**	**54.47**	**61.10**	**63.00**	**63.31**	**..**
Residential	**19.75**	**38.54**	**48.76**	**54.84**	**60.66**	**60.54**	**58.03**	**..**
Agriculture	**0.98**	**2.37**	**2.88**	**2.40**	**2.34**	**2.22**	**2.46**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	0.14	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Australia

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**19.25**	**38.45**	**46.20**	**50.14**	**60.61**	**64.16**	**64.69**	**66.56**
Nuclear	-	-	-	-	-	-	-	-
Hydro	5.32	8.32	9.20	8.54	8.77	8.79	8.04	8.05
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	*0.94*	*1.49*	*0.74*	*0.74*	*0.74*	*0.74*	*0.74*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.03	0.05	0.40	2.43	3.26	4.00
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.03	0.74	1.86	2.56	3.22	3.80
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	13.93	30.13	36.95	40.82	49.57	50.38	50.17	50.70
of which[2]*:*								
Single-fired:								
Coal and Coal products	11.50	24.04	26.73	29.01	29.68	29.90	28.91	28.97
Liquid fuels	1.43	1.59	1.93	1.09	2.18	1.71	2.14	1.99
Natural gas	0.10	3.23	5.50 e	8.38	15.86	16.95	17.27	17.80
Biofuels & waste	0.02	0.24	0.36	0.87	0.62	0.60	0.63	0.73
Multi-fired:								
Solid / liquid	0.15	-	-	-	-	-	-	-
Solid / natural gas	-	-	1.92	0.88	0.64	0.64	0.64	0.64
Liquid / natural gas	0.72	0.16	0.51	0.59	0.59	0.59	0.59	0.58
Solid / liquid / gas	-	0.88	-	-	-	-	-	-
Type of generation								
Steam	13.34	27.42	31.98	32.77	33.25	33.42	32.48	32.63
Internal combustion	0.28	0.58	0.42	0.58	1.09	1.04	1.20	1.20
Gas turbine	0.31	1.95	3.86	5.16	10.57	11.20	11.64	11.81
Combined cycle	-	0.19	0.68	2.31	4.66	4.73	4.86	5.07
Other	-	-	-	-	-	-	-	-
Peak load	12.46	25.01	33.63	38.13	42.05	40.12	40.12	40.33
Of which Autoproducers	**-**	**2.96**	**3.37**	**3.51**	**4.88**	**6.60**	**8.17**	**8.90**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.03	0.05	0.40	2.43	3.26	4.00
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	2.96	3.35	3.46	4.48	4.17	4.91	4.90

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Australia

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***41.5***	***46.0***	***51.9***	***52.1***	***47.6***	***44.7***	***44.1***	***42.6***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*29.2*	*20.4*	*20.7*	*20.9*	*17.6*	*18.3*	*26.0*	*26.1*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*17.4*	*17.1*	*12.1*	*12.0*	*13.4*	*13.8*
Solar thermal	-	-	-	-	*15.2*	*7.6*	*11.4*	*15.2*
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*20.1*	*13.7*	*30.9*	*31.1*	*28.2*	*30.8*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*46.2*	*53.1*	*59.8*	*59.3*	*53.8*	*51.6*	*50.0*	*48.4*
Of which autoproducers	***-***	***25.0***	***32.2***	***40.6***	***43.4***	***34.0***	***32.7***	***31.2***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*17.4*	*17.1*	*12.0*	*12.0*	*13.4*	*13.8*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*-*	*25.0*	*32.3*	*40.9*	*46.1*	*46.9*	*45.4*	*45.5*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Austria

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**33.88**	**50.29**	**61.26**	**66.41**	**71.13**	**68.28**	**65.42**	**65.30**
- Own use by power plant	1.00	1.92	2.20	2.86	2.99	3.42	3.08	-
Net production	**32.88**	**48.38**	**59.05**	**63.55**	**68.14**	**64.86**	**62.34**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	0.00	0.01	-	-	-	-	-
- Used for pumped storage	0.68	1.43	1.92	3.35	4.56	5.37	5.47	5.05
+ Imports	3.17	6.84	13.82	20.40	19.90	24.96	26.71	29.37
- Exports	6.13	7.30	15.19	17.73	17.57	17.69	17.44	19.31
Electrical energy supplied	**29.24**	**46.49**	**55.75**	**62.87**	**65.91**	**66.76**	**66.15**	**..**
- Transmission & distr. losses	2.28	2.91	3.20	3.43	3.35	3.39	3.28	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	26.96	43.58	52.55	59.43	62.56	63.37	62.86	..
Energy industry consumption[2]	**0.55**	**0.81**	**1.01**	**2.02**	**2.24**	**2.36**	**2.40**	**..**
Coal Mines	0.07	0.06	0.04	-	-	-	-	..
Oil + Gas Extraction	0.08	0.09	0.11	0.09	0.15	0.23	0.30	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	0.03	0.03	0.03	0.03	0.03	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	0.15	1.10	1.13	1.24	1.21	..
Oil Refineries	0.39	0.65	0.68	0.78	0.91	0.86	0.86	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	0.01	0.01	0.02	0.02	-	-	..
Final consumption	**26.41**	**42.77**	**51.54**	**57.42**	**60.32**	**61.01**	**60.47**	**..**
Industry	**12.67**	**17.98**	**20.68**	**24.89**	**25.84**	**26.57**	**26.57**	**..**
Iron and steel	2.03	1.18	2.67	2.77	2.28	2.42	2.44	..
Chem. and petrochemical	2.20	2.14	3.08	3.51	4.27	4.42	4.16	..
Non-ferrous metals	1.91	1.39	0.65	0.80	0.85	0.97	1.01	..
Non-metallic minerals	1.19	1.38	1.79	1.95	1.88	1.82	1.84	..
Transport equipment	0.22	0.42	0.71	0.98	0.70	0.71	0.77	..
Machinery	1.01	1.57	2.25	2.94	3.56	3.77	3.78	..
Mining and quarrying	0.46	0.43	0.57	0.67	1.16	1.05	1.16	..
Food and tobacco	0.62	1.50	1.20	1.76	2.07	2.15	2.21	..
Paper, pulp and printing	1.87	3.63	4.69	4.94	4.71	4.62	4.69	..
Wood and wood products	0.39	0.65	0.95	1.62	1.68	1.83	1.81	..
Construction	0.07	0.46	0.39	0.70	0.61	0.66	0.64	..
Textile and leather	0.65	0.72	0.59	0.61	0.43	0.46	0.43	..
Non specified/other	0.07	2.52	1.14	1.65	1.63	1.68	1.63	..
Transport	**1.78**	**2.77**	**3.46**	**3.43**	**3.43**	**3.07**	**3.02**	**..**
Rail Transport	1.78	2.11	2.57	2.12	2.24	2.05	2.01	..
Pipeline Transport	-	0.14	0.17	0.18	0.15	0.17	0.17	..
Road	-	0.02	0.02	0.01	0.02	0.02	0.01	..
Transport Non Specified	-	0.51	0.70	1.12	1.03	0.84	0.83	..
Commercial & publ. serv.	**4.76**	**9.08**	**11.59**	**10.99**	**11.95**	**13.27**	**12.67**	**..**
Residential	**6.40**	**11.88**	**14.96**	**17.26**	**18.30**	**17.32**	**17.44**	**..**
Agriculture	**0.81**	**1.06**	**0.85**	**0.85**	**0.80**	**0.79**	**0.78**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Austria

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**8.98**	**16.69**	**17.80**	**18.90**	**21.19**	**22.92**	**23.59**	**24.03**
Nuclear	-	-	-	-	-	-	-	-
Hydro	5.98	10.95	11.61	11.63	12.71	13.08	13.15	13.29
of which: mixed plants	-	*3.92*	*3.94*	*3.97*	*4.79*	*5.11*	*5.11*	*5.23*
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.03	0.15	0.36	0.63	0.79
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.05	0.78	0.98	1.32	1.65	2.09
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	3.01	5.74	6.13	6.46	7.35	8.16	8.17	7.86
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.80	1.81	1.94	1.74	1.36	1.52	1.52	1.59
Liquid fuels	0.51	0.48	0.51	0.33	0.22	0.17	0.29	0.33
Natural gas	0.90	2.48	2.64	3.08	3.92	5.21	5.19	4.89
Biofuels & waste	-	0.11	0.13	0.27	0.45	0.48	0.49	0.62
Multi-fired:								
Solid / liquid	-	0.08	0.08	0.13	0.34	0.25	0.31	0.11
Solid / natural gas	-	0.06	0.06	0.03	0.08	0.08	0.09	0.08
Liquid / natural gas	-	0.58	0.61	0.66	0.74	0.19	0.04	-
Solid / liquid / gas	0.81	0.15	0.16	0.21	0.25	0.26	0.25	0.25
Type of generation								
Steam	3.01 e	5.16	4.79	4.06	3.34	3.29	3.32	3.20
Internal combustion	-	0.10	0.12	0.21	0.28	0.31	0.30	0.30
Gas turbine	-	0.48	0.26	0.51	0.40	0.41	0.42	0.42
Combined cycle	-	..	0.97	1.68	3.32	4.15	4.13	3.94
Other	-	-	-	-	-	-	-	-
Peak load	..	..	..	9.19	9.75	10.11	10.09	10.14
Of which Autoproducers	**1.29**	**1.60**	**1.63**	**1.75**	**2.31**	**2.35**	**2.38**	**2.26**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.48	0.60	0.56	0.54	0.55	0.54	0.54	0.53
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.81	1.00	1.07	1.21	1.76	1.81	1.84	1.72

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Austria

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***43.1***	***34.4***	***39.3***	***40.1***	***38.3***	***36.2***	***33.0***	***31.1***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*43.3*	*33.9*	*42.5*	*38.3*	*37.3*	*41.7*	*39.7*	*38.5*
Geothermal	-	-	-	*11.4*	*11.4*	*11.4*	-	-
Solar PV	-	-	*6.9*	*8.0*	*6.6*	*10.6*	*10.6*	*11.4*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*15.3*	*19.5*	*24.0*	*21.4*	*21.9*	*21.1*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*42.6*	*35.4*	*33.4*	*46.0*	*42.6*	*30.9*	*26.2*	*23.2*
Of which autoproducers	***47.9***	***49.3***	***59.2***	***54.1***	***46.8***	***41.7***	***38.9***	***38.9***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*48.9*	*45.6*	*42.7*	*26.1*	*22.0*	*11.5*	*11.8*	*12.4*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*47.3*	*51.5*	*67.5*	*66.6*	*54.4*	*50.5*	*46.6*	*47.1*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Belgium

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**42.76**	**70.92**	**84.01**	**87.03**	**95.19**	**83.53**	**72.69**	**68.14**
- Own use by power plant	2.00	3.66	3.75	3.63	3.70	3.29	2.72	-
Net production	**40.76**	**67.27**	**80.27**	**83.40**	**91.49**	**80.23**	**69.97**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.63	0.83	1.64	1.78	1.79	1.78	1.63	1.44
+ Imports	2.56	4.79	11.65	14.33	12.40	17.24	21.79	23.71
- Exports	2.88	8.51	7.32	8.02	11.84	7.60	4.19	2.72
Electrical energy supplied	**39.81**	**62.71**	**82.96**	**87.93**	**90.25**	**88.10**	**85.94**	**..**
- Transmission & distr. losses	2.03	3.60	3.79	4.16	4.28	4.01	3.88	..
- Statistical difference	-	-	-	0.13	0.05	0.94	0.07	..
Total consumption	37.78	59.11	79.17	83.64	85.92	83.15	81.99	..
Energy industry consumption[2]	**1.53**	**1.12**	**1.62**	**3.43**	**2.61**	**1.40**	**1.43**	**..**
Coal Mines	0.79	0.17	0.00	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	0.00	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.23	0.15	0.09	0.08	-	0.06	0.02	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.51	0.80	1.40	3.02	2.34	1.32	1.38	..
Nuclear Industry	-	-	0.01	0.02	0.00	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	0.12	0.31	0.26	0.03	0.03	..
Final consumption	**36.25**	**57.98**	**77.54**	**80.20**	**83.31**	**81.74**	**80.56**	**..**
Industry	**23.50**	**30.52**	**39.87**	**39.42**	**38.14**	**37.20**	**37.75**	**..**
Iron and steel	5.32	5.14	6.88	6.00	5.99	4.55	4.65	..
Chem. and petrochemical	7.67	9.88	13.48	13.77	13.50	12.77	12.79	..
Non-ferrous metals	1.76	2.11	2.05	1.73	1.78	1.88	1.94	..
Non-metallic minerals	1.81	2.09	2.52	2.33	1.06	2.83	2.86	..
Transport equipment	0.58	0.97	1.14	0.99	1.06	2.24	2.19	..
Machinery	1.52	2.00	2.09	2.17	1.90	0.58	0.57	..
Mining and quarrying	0.27	0.33	0.38	0.53	1.19	0.43	0.44	..
Food and tobacco	1.35	2.79	3.95	3.99	4.72	5.40	5.47	..
Paper, pulp and printing	1.28	2.12	2.53	2.71	2.60	2.61	2.58	..
Wood and wood products	0.28	0.62	0.64	1.86	0.66	0.38	0.38	..
Construction	0.09	0.08	0.29	0.32	1.41	0.93	0.81	..
Textile and leather	1.28	1.69	2.01	1.23	1.25	1.14	1.13	..
Non specified/other	0.30	0.72	1.92	1.80	1.03	1.47	1.96	..
Transport	**0.85**	**1.25**	**1.44**	**1.70**	**1.74**	**1.69**	**1.59**	**..**
Rail Transport	0.85	1.25	1.44	1.68	1.66	1.60	1.56	..
Pipeline Transport	-	-	0.00	0.02	0.07	0.09	0.03	..
Road	-	-	-	-	-	0.00	0.00	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**3.56**	**7.80**	**12.24**	**12.70**	**22.18**	**22.26**	**21.50**	**..**
Residential	**8.33**	**18.41**	**23.74**	**26.01**	**20.28**	**19.81**	**18.94**	**..**
Agriculture	**-**	**-**	**0.26**	**0.37**	**0.83**	**0.79**	**0.77**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	0.15	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Belgium

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**8.11**	**14.14**	**15.69**	**16.10**	**18.69**	**20.77**	**20.98**	**20.92**
Nuclear	0.01	5.50	5.71	5.80	5.93	5.93	5.93	5.93
Hydro	0.44	1.40	1.41	1.41	1.43	1.43	1.43	1.43
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	*0.40*	*1.31*	*1.31*	*1.31*	*1.31*	*1.31*	*1.31*	*1.31*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.90	2.58	2.92	3.02
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.01	0.01	0.17	0.91	1.37	1.79	1.93
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	7.65	7.24	8.55	8.71	9.52	9.47	8.91	8.61
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.08	-	-	-	..	..	..	..
Liquid fuels	1.25	0.47	0.53	0.48	..	..	..	..
Natural gas	0.02	0.09	1.01	2.10	..	..	..	..
Biofuels & waste	-	0.08	0.18	0.37	..	..	..	..
Multi-fired:								
Solid / liquid	0.60	1.53	0.40	0.41	..	..	..	..
Solid / natural gas	0.11	0.12	0.17	3.57	..	..	..	..
Liquid / natural gas	1.82	1.70	4.37	1.68	..	..	..	..
Solid / liquid / gas	3.77	3.25	1.90	0.11	..	..	..	..
Type of generation								
Steam	-	6.32	4.27	3.48	4.80	3.80	2.85	2.54
Internal combustion	-	0.17	0.20	0.43	0.64	0.73	0.72	0.74
Gas turbine	-	0.28	1.28	1.31	2.19	2.62	2.63	2.60
Combined cycle	-	0.19	2.79	3.36	1.63	2.12	2.48	2.48
Other	-	0.28	-	0.12	0.26	0.20	0.24	0.24
Peak load	..	10.43	12.65	12.77	13.59	13.14	13.32	12.69
Of which Autoproducers	**1.08**	**0.75**	**0.44**	**0.49**	**2.03**	**3.87**	**4.28**	**4.42**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.89	2.57	2.91	3.01
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	0.01	0.01	0.01	0.02
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	1.08	0.75	0.44	0.49	1.13	1.29	1.35	1.40

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Belgium

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***60.2***	***57.3***	***61.1***	***61.7 e***	***58.1***	***45.6***	***45.4***	***39.7***
Nuclear	*153.6*	*88.7*	*96.2*	*93.6*	*92.3*	*77.6*	*82.1*	*64.9*
Hydro	*17.7*	*7.3*	*13.7*	*13.0*	*13.4*	*13.3*	*13.8*	*12.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	*5.7*	*7.1*	*9.5*	*10.3*	*10.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*16.0*	*13.1*	*15.5*	*16.2*	*22.9*	*23.5*	*27.3*
Other (e.g. fuel cells)	-	-	-	-	-	-	*31.4*	*22.8*
Combustible fuels	*62.6*	*43.1*	*45.6*	*48.9 e*	*52.1*	*43.2*	*41.6*	*39.2*
Of which autoproducers	***124.3***	***42.1***	***44.1***	***38.9 e***	***31.4***	***25.1***	***24.4***	***25.3***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	*5.7*	*7.1*	*9.5*	*10.4*	*10.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*11.4*	*11.4*	*15.7*	*19.3*	*18.4*	*21.3*
Other (e.g. fuel cells)	-	-	-	-	-	-	*34.3*	*34.3*
Combustible fuels	*124.1*	*42.1*	*44.3*	*32.9 e*	*48.2*	*54.2*	*51.6*	*53.1*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Canada

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**283.62**	**482.15 e**	**605.71 e**	**621.71**	**595.95**	**660.80**	**656.23**	**631.57**
- Own use by power plant	3.89	14.41	19.05	19.67	18.18	19.48	19.27	-
Net production	**279.73**	**467.74**	**586.66**	**602.03**	**577.77**	**641.31**	**636.96**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.23	0.20	0.21	0.21	0.21	0.21	0.21	0.21
+ Imports	2.44	17.78	15.34	18.68	18.61	10.69	12.81	8.73
- Exports	15.40	18.13	50.98	42.33	43.63	62.58	58.42	68.43
Electrical energy supplied	**266.54**	**467.19**	**550.81**	**578.17**	**552.54**	**589.22**	**591.14**	**..**
- Transmission & distr. losses	24.23	34.11	47.27	51.58	51.69	56.33	58.20	..
- Statistical difference	-	0.10	0.14	-6.46	-5.10	5.85	14.17	..
Total consumption	242.31	432.99	503.40	533.05	505.95	527.04	518.77	..
Energy industry consumption[2]	**3.27**	**14.94**	**21.90**	**23.62**	**27.31**	**29.22**	**29.53**	**..**
Coal Mines	0.44	1.07	1.07	1.06	1.02	1.03	1.01	..
Oil + Gas Extraction	-	8.21	15.40	17.36	20.38	22.96	23.36	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.05	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	2.77	5.66	5.43	5.20	5.91	5.23	5.16	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**239.04**	**418.04**	**481.50**	**509.44**	**478.64**	**497.82**	**489.24**	**..**
Industry	**111.38**	**167.94**	**203.31**	**210.22**	**175.41**	**180.53**	**180.22**	**..**
Iron and steel	7.56	8.33	10.26	9.92	8.77	8.12	8.12	..
Chem. and petrochemical	11.18	18.21	19.19	21.81	18.41	16.75	19.60	..
Non-ferrous metals	27.29	36.97	50.93	56.56	52.50	49.89	49.89	..
Non-metallic minerals	4.11	4.73	4.30	4.64	4.54	6.05	6.44	..
Transport equipment	2.72	-	-	4.50	3.66	3.48	3.45	..
Machinery	3.14	-	-	2.04	1.78	2.59	2.54	..
Mining and quarrying	8.96	28.75	33.48	13.45	8.19	15.80	15.57	..
Food and tobacco	3.57	-	-	4.81	5.71	5.64	5.64	..
Paper, pulp and printing	30.09	48.84	61.58	59.21	39.97	37.06	36.66	..
Wood and wood products	2.33	-	-	4.95	4.51	4.68	4.68	..
Construction	-	-	-	-	-	-	-	..
Textile and leather	2.28	-	-	1.64	1.00	1.00	1.00	..
Non specified/other	8.16	22.12	23.57	26.69	26.37	29.46	26.63	..
Transport	**3.33**	**3.27**	**4.52**	**4.26**	**3.77**	**4.71**	**4.93**	**..**
Rail Transport	-	-	-	-	-	-	-	..
Pipeline Transport	2.89	2.41	3.66	3.27	3.07	3.50	3.69	..
Road	-	0.86	0.87	0.98	0.70	1.21	1.24	..
Transport Non Specified	0.44	-	-	-	-	-	-	..
Commercial & publ. serv.	**58.55**	**108.36**	**125.83**	**133.73**	**143.26**	**99.78**	**104.31**	**..**
Residential	**59.30**	**129.83**	**138.23**	**150.99**	**146.80**	**157.33**	**161.57**	**..**
Agriculture	**6.49**	**8.64**	**9.60**	**10.25**	**9.39**	**9.96**	**9.39**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	45.52	28.83	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Canada

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**57.53**	**104.14**	**111.32**	**123.21**	**132.38**	**130.55**	**133.82**	**137.34**
Nuclear	2.67	13.54	10.62	13.35	12.67	13.37	14.03	14.03
Hydro	36.78	59.38	67.41	71.98	75.08	75.54	75.54	75.54
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	*0.19*	*0.18*	*0.18*	*0.18*	*0.17*	*0.17*	*0.17*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.02	0.22	0.77	1.21	1.84
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	0.02	0.02 e	0.02	0.02	0.02	0.02	0.02
Wind	-	-	0.09	0.68	3.97	6.20	7.80	9.69
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	18.09	31.20	33.18	37.17	40.42	34.66	35.22	36.22
of which[2]*:*								
Single-fired:								
Coal and Coal products	9.13	17.71	..	14.70	14.12	9.90	10.18	9.81
Liquid fuels	4.66	7.15	..	7.35	7.47	6.64	7.10	6.87
Natural gas	1.59	3.47	..	11.96	14.29	15.26	15.97	17.50
Biofuels & waste	-	0.91	..	3.15	4.54	2.86	1.96	2.04
Multi-fired:								
Solid / liquid	-	..	..	..	..	..	..	-
Solid / natural gas	1.63	1.53	..	..	..	..	..	-
Liquid / natural gas	0.93	0.43	..	..	..	..	..	-
Solid / liquid / gas	0.14	..	..	..	..	..	..	-
Type of generation								
Steam	-	28.59	27.72	25.85	25.49	20.44	21.69	22.11
Internal combustion	-	0.57	0.65	0.61	0.80	0.81	1.14	1.67
Gas turbine	-	2.04	4.81	9.11	12.41	11.76	12.39	12.44
Combined cycle	-	-	-	-	-	-	-	-
Other	-	-	-	1.60	1.72	1.65	-	-
Peak load	..	84.09	..	..	..	..	..	-
Of which Autoproducers	**5.87**	**6.13**	**7.85**	**9.58**	**10.57**	**10.55**	**9.25**	**9.49**
Nuclear	-	-	-	-	-	-	-	-
Hydro	4.40	4.29	4.27	4.61	5.09	5.14	5.31	5.31
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	0.06	0.07
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	1.47	1.84	3.58	4.97	5.48	5.41	3.88	4.12

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Canada

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***56.3***	***52.9***	***62.1***	***57.6***	***51.4***	***55.3***	***56.4***	***54.5***
Nuclear	*62.9*	*61.5*	*78.3*	*78.7*	*81.7*	*81.0*	*84.2*	*87.6*
Hydro	*65.4*	*57.1*	*60.7*	*57.4*	*53.4*	*57.5*	*59.2*	*57.8*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*26.1 e*	*11.4*	*6.0*	*4.8*	*14.1*	*10.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	*14.8*	*18.3 e*	*16.0*	*16.0*	*15.4*	*8.6*	*9.1*
Wind	-	-	*32.8*	*26.4*	*25.1*	*20.8*	*26.3*	*26.5*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*36.7*	*41.1*	*59.9*	*51.0*	*40.9*	*48.1*	*46.5*	*43.9*
Of which autoproducers	***76.0***	***77.9***	***69.8***	***56.2***	***49.6***	***59.5***	***69.3***	***68.2***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*84.9*	*83.2*	*83.5*	*78.2*	*61.1*	*71.2*	*67.2*	*66.8*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	*3.2*	*20.0*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*49.3*	*65.6*	*53.4*	*35.7*	*38.9*	*48.4*	*73.4*	*70.8*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Chile

Figure 1. Total final consumption by fuel

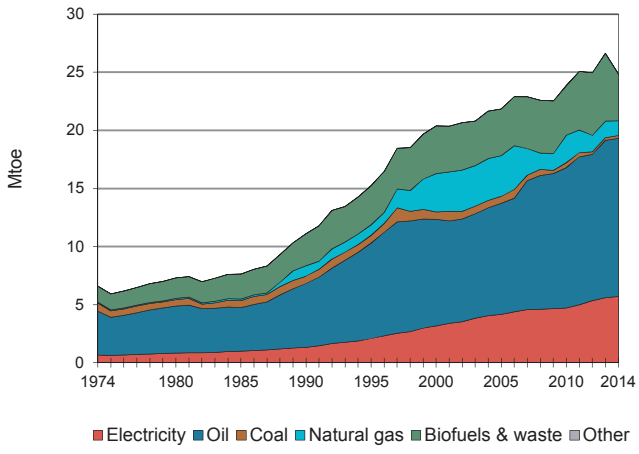


Figure 2. Electricity generation by fuel

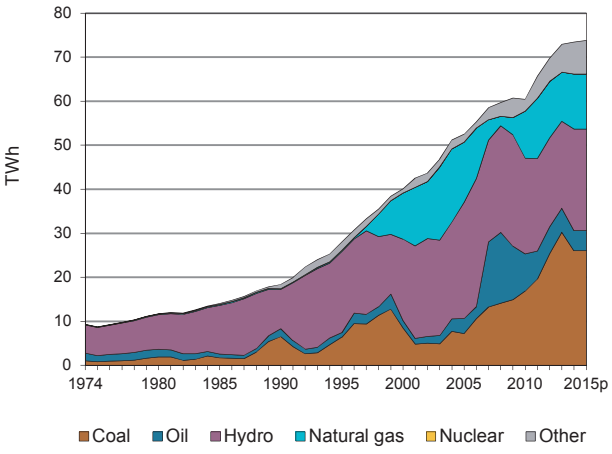


Figure 3. Electricity consumption by sector

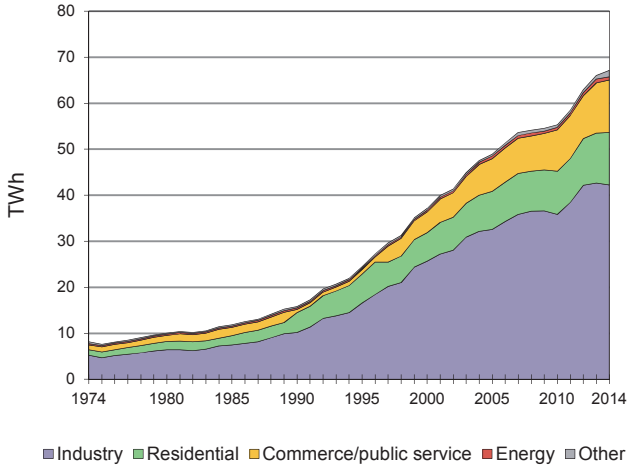


Figure 4. Electricity indicators

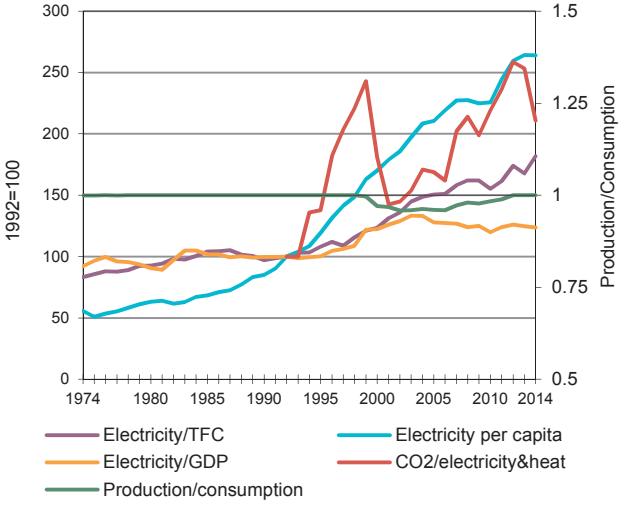
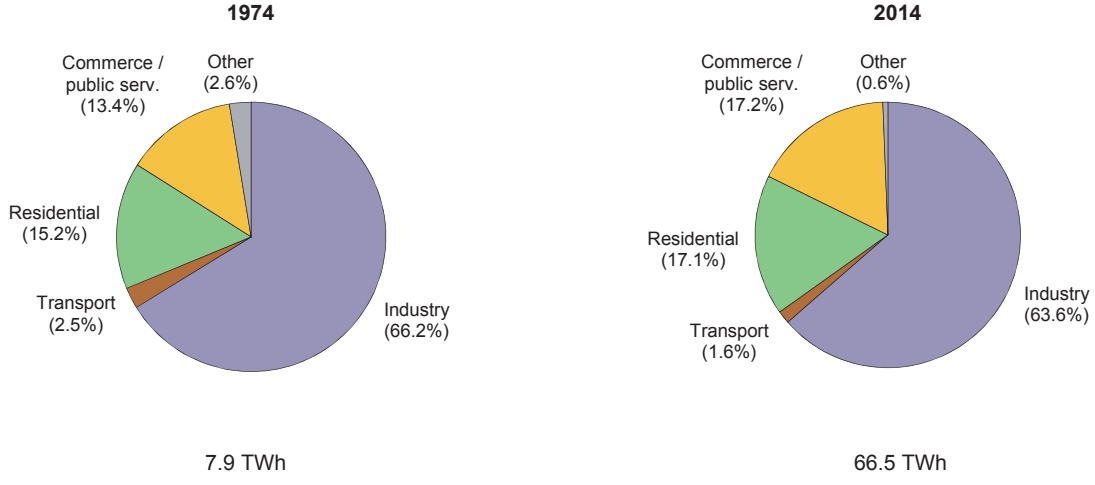


Figure 5. Total final electricity consumption by sector



Chile

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**9.30**	**18.37**	**40.08**	**52.48**	**60.43**	**73.07**	**73.72**	**74.10**
- Own use by power plant	0.20	0.62	1.20	1.19	2.10	3.32	1.34	-
Net production	**9.10**	**17.76**	**38.87**	**51.30**	**58.33**	**69.74**	**72.38**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	0.00	-	1.19	2.15	0.96	-	-	-
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**9.10**	**17.76**	**40.06**	**53.45**	**59.29**	**69.74**	**72.38**	**..**
- Transmission & distr. losses	0.95	1.94	2.92	4.54	4.97	4.89	4.82	..
- Statistical difference	0.00	0.00	-	-	-0.97	-1.19	0.41	..
Total consumption	8.15	15.81	37.14	48.91	55.29	66.04	67.15	..
Energy industry consumption[2]	**0.28**	**0.32**	**0.39**	**0.59**	**0.55**	**0.86**	**0.69**	**..**
Coal Mines	0.13	0.12	0.01	0.01	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.02	-	-	-	0.00	0.00	0.00	..
Blast Furnaces	-	-	-	-	-	0.01	-	..
Oil Refineries	0.14	0.20	0.38	0.59	0.49	0.77	0.66	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	0.06	0.08	0.02	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**7.87**	**15.49**	**36.75**	**48.32**	**54.74**	**65.18**	**66.46**	**..**
Industry	**5.21**	**10.15**	**25.68**	**32.57**	**35.85**	**42.63**	**42.26**	**..**
Iron and steel	0.30	0.38	0.85	0.85	0.46	0.46	0.40	..
Chem. and petrochemical	0.18	0.26	0.55	0.64	0.47	0.17	0.05	..
Non-ferrous metals	2.03	-	-	-	-	-	-	..
Non-metallic minerals	0.19	0.27	0.40	0.49	0.55	0.57	0.45	..
Transport equipment	-	-	-	-	-	-	-	..
Machinery	-	-	-	-	-	-	-	..
Mining and quarrying	0.30	5.30	13.59	18.10	21.84	24.24	25.43	..
Food and tobacco	0.05	-	-	-	-	-	-	..
Paper, pulp and printing	0.65	1.21	3.19	4.35	4.38	7.22	4.86	..
Wood and wood products	-	-	-	-	-	-	-	..
Construction	-	-	-	-	-	-	-	..
Textile and leather	-	-	-	-	-	-	-	..
Non specified/other	1.51	2.73	7.10	8.15	8.16	9.97	11.08	..
Transport	**0.20**	**0.21**	**0.22**	**0.25**	**0.43**	**0.51**	**1.04**	**..**
Rail Transport	0.19	0.21	0.22	0.25	0.43	0.49	0.90	..
Pipeline Transport	-	-	-	-	-	0.03	0.14	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	0.01	-	-	-	-	-	-	..
Commercial & publ. serv.	**1.06**	**0.70**	**4.51**	**7.08**	**9.02**	**10.91**	**11.40**	**..**
Residential	**1.20**	**4.33**	**6.18**	**8.28**	**9.36**	**10.87**	**11.37**	**..**
Agriculture	**0.20**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Fishing	**-**	**0.09**	**0.16**	**0.12**	**0.08**	**0.15**	**0.10**	**..**
Sector non specified	-	-	-	-	-	0.11	0.29	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Chile

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**-**	**5.10**	**9.89**	**12.59**	**16.23**	**18.15**	**18.60**	**23.40**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	2.68	4.43	5.22	5.47	5.99	6.09	6.38
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	0.02	0.24
Solar thermal	-	-	-	-	-	-	0.09	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	0.16	0.20	0.30	0.73
Other (e.g. fuel cells)	-	-	-	-	0.03	-	-	-
Combustible fuels	-	2.42	5.46	7.36	10.58	11.96	12.11	16.05
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	0.48	0.63	0.63	0.87	1.86	1.86	2.50
Liquid fuels	-	0.42	0.56	0.71	2.84	2.51	2.30	3.90
Natural gas	-	0.02	0.07	0.48	0.62	0.60	0.51	0.71
Biofuels & waste	-	-	0.02	0.04	0.53	0.83	1.27	0.65
Multi-fired:								
Solid / liquid	-	0.41	1.30	1.38	1.66	2.10	2.10	2.82
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	-	2.37	3.19	4.06	4.06	4.03	5.42
Solid / liquid / gas	-	-	-	-	-	-	0.04	0.06
Type of generation								
Steam	-	-	-	-	-	4.92	5.09	6.66
Internal combustion	-	-	-	-	-	2.80	2.85	3.81
Gas turbine	-	-	-	-	-	4.24	4.17	5.58
Combined cycle	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Peak load	..	..	5.50	7.12	8.10	8.98	9.50	10.07
Of which Autoproducers	**-**	**1.19**	**0.59**	**1.02**	**1.30**	**1.04**	**1.30**	**1.32**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	0.10	0.08	0.08	0.08	0.04	0.08	0.03
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	0.01	0.01
Solar thermal	-	-	-	-	-	-	0.09	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	0.01	0.01	-
Other (e.g. fuel cells)	-	-	-	-	0.03	-	-	-
Combustible fuels	-	1.09	0.51	0.94	1.19	0.98	1.12	1.28

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Chile

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	**-**	***41.1***	***46.2***	***47.6***	***42.5***	***43.9***	***44.8***	***36.0***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	*38.1*	*47.7*	*57.9*	*45.4*	*38.4*	*37.0*	*41.3*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	*6.1*	*23.1*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	*40.0*	*23.3*	*23.1*	*21.0*	*22.5* e
Other (e.g. fuel cells)	-	-	-	-	*51.1*	-	-	-
Combustible fuels	-	*44.5*	*45.1*	*40.3* e	*41.3*	*47.0*	*49.6*	*34.4*
Of which autoproducers	**-**	***44.6***	***41.0***	***46.1***	***32.3***	***63.6***	***56.6***	***54.6***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	*67.2*	*46.8*	*80.2*	*45.7*	*48.7*	*24.4*	*64.8*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	*10.3*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	*25.1*	*36.2*	- e
Other (e.g. fuel cells)	-	-	-	-	*51.1*	-	-	-
Combustible fuels	-	*42.7*	*40.1*	*43.2* e	*30.9*	*64.8*	*63.7*	*54.5*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Czech Republic

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**43.14**	**62.56**	**73.47**	**82.58**	**85.91**	**87.07**	**86.02**	**83.89**
- Own use by power plant	3.00	4.43	5.45	6.39	6.45	6.21	6.12	-
Net production	**40.14**	**58.13**	**68.01**	**76.19**	**79.46**	**80.86**	**79.91**	**-**
- Used for heat pumps	-	..	..	..	0.01	0.01	0.02	0.02
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.13	0.40	0.75	0.87	0.80	1.22	1.36	1.66
+ Imports	3.64	8.18	8.73	12.35	6.64	10.57	11.84	16.15
- Exports	4.42	8.87	18.74	24.99	21.59	27.46	28.14	28.66
Electrical energy supplied	**39.23**	**57.03**	**57.25**	**62.69**	**63.71**	**62.75**	**62.23**	**..**
- Transmission & distr. losses	3.80	4.00	4.96	5.03	4.47	4.10	3.85	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	35.43	53.04	52.29	57.66	59.25	58.65	58.38	..
Energy industry consumption[2]	**4.61**	**4.86**	**2.91**	**2.37**	**2.04**	**1.96**	**2.18**	**..**
Coal Mines	-	..	2.08	1.54	1.30	1.29	1.48	..
Oil + Gas Extraction	-	0.01	0.01	0.01	0.00	0.01	0.02	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	..	0.16	0.16	0.15	0.12	0.12	..
BKB plants	-	..	0.01	0.02	0.01	-	-	..
Gas Works	-	..	0.24	0.17	0.05	0.04	0.04	..
Blast Furnaces	-	-	-	0.02	0.06	0.06	0.06	..
Oil Refineries	-	..	0.25	0.31	0.34	0.30	0.32	..
Nuclear Industry	-	..	0.16	0.15	0.15	0.14	0.14	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	4.61	4.85	-	-	-	-	-	..
Final consumption	**30.83**	**48.18**	**49.38**	**55.29**	**57.20**	**56.69**	**56.20**	**..**
Industry	**19.40**	**26.92**	**18.94**	**23.15**	**22.59**	**23.20**	**23.01**	**..**
Iron and steel	-	5.13	3.00	3.44	3.07	2.55	2.45	..
Chem. and petrochemical	-	3.52	3.20	3.88	3.58	3.49	3.68	..
Non-ferrous metals	-	0.65	0.28	0.33	0.19	0.30	0.31	..
Non-metallic minerals	-	2.56	2.04	2.54	2.07	2.10	2.19	..
Transport equipment	-	1.22	1.02	1.58	2.40	2.69	2.43	..
Machinery	-	4.12	2.33	3.40	3.55	4.01	4.14	..
Mining and quarrying	-	0.22	0.17	0.20	0.24	0.40	0.35	..
Food and tobacco	-	1.43	1.38	1.59	1.70	1.60	1.48	..
Paper, pulp and printing	-	1.55	1.60	1.89	1.61	1.57	1.72	..
Wood and wood products	-	0.50	0.34	0.54	0.49	0.52	0.48	..
Construction	-	0.58	0.32	0.40	0.48	0.57	0.37	..
Textile and leather	-	1.77	1.12	1.16	0.70	0.73	0.71	..
Non specified/other	19.40	3.67	2.16	2.21	2.52	2.68	2.69	..
Transport	**1.92**	**3.17**	**2.34**	**2.18**	**1.55**	**1.62**	**1.58**	**..**
Rail Transport	-	-	1.20	1.15	1.42	1.49	1.46	..
Pipeline Transport	-	-	0.03	0.05	0.06	0.05	0.05	..
Road	-	-	0.08	0.07	0.07	0.07	0.07	..
Transport Non Specified	1.92	3.17	1.03	0.92	-	-	-	..
Commercial & publ. serv.	**2.24**	**3.64**	**11.56**	**12.53**	**14.62**	**14.35**	**14.68**	**..**
Residential	**4.23**	**9.62**	**13.82**	**14.72**	**15.03**	**14.72**	**14.13**	**..**
Agriculture	**1.61**	**2.91**	**1.17**	**1.02**	**1.05**	**0.78**	**0.72**	**..**
Fishing	**-**	**-**	**-**	**0.01**	**0.01**	**0.01**	**0.01**	**..**
Sector non specified	1.43	1.91	1.55	1.69	2.35	2.02	2.09	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Czech Republic

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**-**	**15.28**	**15.32**	**17.41**	**19.83**	**20.45**	**21.08**	**21.97**
Nuclear	-	1.76	1.76	3.76	3.90	4.04	4.29	4.29
Hydro	-	1.41	2.10	2.17	2.20	2.21	2.25	2.25
of which: mixed plants	-	..	*0.45*	*0.45*	*0.45*	*0.45*	*0.48*	*0.48*
of which: pure pumped storage	-	..	*0.70*	*0.70*	*0.70*	*0.70*	*0.70*	*0.70*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	1.73	2.02	2.06	2.07
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.02	0.21	0.26	0.26	0.28
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	12.11	11.47	11.46	11.79	11.92	12.21	13.08
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	-	-	-	-	-	-	-
Liquid fuels	-	-	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-	-	-
Biofuels & waste	-	-	-	-	-	-	-	-
Multi-fired:								
Solid / liquid	-	-	-	-	-	-	-	-
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	-	-	-	-	-	-	-
Solid / liquid / gas	-	12.11	11.47	11.46	11.79	11.92	12.21	13.08
Type of generation								
Steam	-	12.11	11.22	10.72	10.77	10.88	10.82	10.89
Internal combustion	-	-	-	-	-	-	0.05	0.83
Gas turbine	-	-	-	-	-	-	-	-
Combined cycle	-	-	0.25	0.74	1.02	1.04	1.34	1.36
Other	-	-	-	-	-	-	-	-
Peak load	..	9.60	10.13	10.88	11.20	11.32	10.35	10.86
Of which Autoproducers	**-**	**1.93**	**2.37**	**2.29**	**1.86**	**1.89**	**1.90**	**1.88**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	0.05	0.09	0.16	0.17	0.18	0.19	0.19
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	1.88	2.28	2.14	1.69	1.71	1.71	1.69

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Czech Republic

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	**-**	***46.7***	***54.7***	***54.2***	***49.5***	***48.9***	***47.2***	***44.7***
Nuclear	-	*81.6*	*88.2*	*75.1*	*82.0*	*85.7*	*81.8*	*80.7*
Hydro	-	*11.7*	*12.6*	*16.0*	*17.6*	*14.8*	*18.5*	*15.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	*4.1*	*12.1*	*11.2*	*11.7*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*11.4*	*10.9*	*18.0*	*18.4*	*21.0*	*19.6*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	*45.8*	*57.3*	*54.6*	*51.9*	*49.7*	*46.9*	*43.8*
Of which autoproducers	**-**	***43.3***	***50.4***	***50.5***	***57.1***	***48.2***	***49.4***	***51.5***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	*10.7*	*47.7*	*40.5*	*45.3*	*32.6*	*37.7*	*33.9*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	*44.2*	*50.5*	*51.2*	*58.4*	*49.8*	*50.6*	*53.5*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Denmark

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**18.30**	**25.98**	**36.05**	**36.25**	**38.86**	**34.76**	**32.18**	**28.73**
- Own use by power plant	1.07	1.70	1.61	1.83	1.99	1.60	1.37	-
Net production	**17.23**	**24.28**	**34.45**	**34.41**	**36.87**	**33.16**	**30.81**	**-**
- Used for heat pumps	-	-	0.02	0.02	0.01	0.01	0.01	0.01
- Used for electric boilers	-	-	-	-	0.03	0.15	0.11	0.12
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	0.67	11.97	8.42	12.94	10.60	11.46	12.70	15.65
- Exports	0.76	4.93	7.75	11.57	11.73	10.38	9.85	9.73
Electrical energy supplied	**17.15**	**31.33**	**35.09**	**35.76**	**35.70**	**34.08**	**33.54**	**..**
- Transmission & distr. losses	1.84	2.47	2.10	1.53	2.62	1.93	1.97	..
- Statistical difference	-	-0.00	-	0.01	0.05	0.00	-	..
Total consumption	15.30	28.87	32.99	34.23	33.02	32.15	31.57	..
Energy industry consumption[2]	**..**	**0.50**	**0.53**	**0.77**	**0.96**	**0.94**	**0.94**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	..	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	..	0.26	0.22	0.30	0.33	0.29	0.30	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	..	0.24	0.32	0.47	0.63	0.65	0.65	..
Final consumption	**15.30**	**28.37**	**32.46**	**33.46**	**32.06**	**31.21**	**30.63**	**..**
Industry	**4.19**	**8.41**	**9.99**	**10.26**	**8.51**	**8.35**	**8.17**	**..**
Iron and steel	0.23	0.70	0.93	0.57	0.24	0.39	0.39	..
Chem. and petrochemical	0.72	0.87	1.31	1.39	1.25	1.39	1.36	..
Non-ferrous metals	-	-	-	-	-	-	-	..
Non-metallic minerals	0.59	0.71	0.89	0.95	0.66	0.74	0.73	..
Transport equipment	0.20	0.22	0.20	0.19	0.20	0.10	0.09	..
Machinery	0.60	1.43	1.51	1.65	1.55	1.46	1.43	..
Mining and quarrying	-	0.10	0.10	0.08	0.07	0.10	0.09	..
Food and tobacco	0.72	2.07	2.32	2.56	2.32	2.30	2.25	..
Paper, pulp and printing	0.34	0.57	0.62	0.58	0.51	0.32	0.32	..
Wood and wood products	0.21	0.25	0.33	0.33	0.23	0.23	0.23	..
Construction	0.18	0.29	0.34	0.35	0.38	0.36	0.36	..
Textile and leather	0.21	0.23	0.21	0.18	0.16	0.12	0.12	..
Non specified/other	0.20	0.97	1.24	1.43	0.96	0.83	0.82	..
Transport	**0.10**	**0.20**	**0.35**	**0.38**	**0.40**	**0.39**	**0.39**	**..**
Rail Transport	0.10	0.20	0.35	0.38	0.40	0.39	0.39	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**3.35**	**8.39**	**9.95**	**10.47**	**10.84**	**10.35**	**10.18**	**..**
Residential	**6.26**	**9.67**	**10.22**	**10.45**	**10.39**	**10.31**	**10.10**	**..**
Agriculture	**0.96**	**1.69**	**1.95**	**1.91**	**1.92**	**1.83**	**1.78**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	0.45	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Denmark

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**5.96**	**9.12**	**12.32**	**13.04**	**13.44**	**14.08**	**13.81**	**13.66**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.01	0.40	0.57	0.61
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.33	2.39	3.13	3.80	4.16	4.82	4.89
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	5.95	8.78	9.92	9.89	9.62	9.50	8.41	8.15
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.73	0.20	0.01	0.01	0.01	-	-	-
Liquid fuels	3.01	0.85	1.90	0.89	1.37	1.68	1.11	1.13
Natural gas	-	0.05	1.53	1.50	1.49	1.57	1.61	1.61
Biofuels & waste	-	0.10	0.13	0.18	0.21	0.23	0.32	0.34
Multi-fired:								
Solid / liquid	2.21	6.97	4.74	5.29	4.62	4.39	3.51	3.28
Solid / natural gas	-	0.01	0.22	0.24	0.24	0.19	0.29	0.24
Liquid / natural gas	-	0.26	0.75	0.86	0.65	0.50	0.58	0.56
Solid / liquid / gas	-	0.36	0.63	0.93	1.03	0.94	1.00	0.99
Type of generation								
Steam	-	8.45	7.93	7.18	6.63	6.51	5.41	5.14
Internal combustion	-	0.07	0.95	1.06	1.31	1.32	1.31	1.33
Gas turbine	-	0.27	0.53	0.57	0.59	0.59	0.63	0.63
Combined cycle	-	-	0.51	1.09	1.09	1.07	1.07	1.07
Other	-	-	-	-	0.01	0.02	-	-
Peak load	..	5.79	6.27	6.32	6.27	6.22	6.08	5.94
Of which Autoproducers	**0.15**	**0.16**	**0.54**	**0.64**	**0.64**	**1.03**	**1.15**	**1.18**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.01	0.40	0.57	0.61
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.15	0.16	0.54	0.64	0.64	0.63	0.57	0.57

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Denmark

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***35.1***	***32.5***	***33.4***	***31.7***	***33.0***	***24.9***	***28.7***	***26.9***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*34.3*	*32.0*	*34.3*	*23.9*	*26.6*	*21.6*	*16.5*	*19.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*11.4*	*7.6*	*9.8*	*3.0*	*10.4*	*11.2*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*21.4*	*20.3*	*24.1*	*23.5*	*28.2*	*26.3*	*30.5*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*35.1*	*32.9*	*36.6*	*34.2*	*36.8*	*24.4*	*31.4*	*25.9*
Of which autoproducers	***31.7***	***41.5***	***59.7***	***51.4***	***40.6***	***22.6***	***24.3***	***25.2***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*11.4*	*7.6*	*9.8*	*3.0*	*10.4*	*11.2*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*31.7*	*41.5*	*59.0*	*51.6*	*40.9*	*35.2*	*38.2*	*40.0*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Estonia

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	..	**17.18**	**8.51**	**10.21**	**12.96**	**13.28**	**12.45**	**10.42**
- Own use by power plant	..	1.73	0.92	1.09	1.23	1.45	1.43	-
Net production	..	**15.45**	**7.59**	**9.11**	**11.73**	**11.82**	**11.01**	**-**
- Used for heat pumps	..	-	-	-	-	-	-	-
- Used for electric boilers	..	-	-	-	-	-	-	-
- Used for pumped storage	..	-	-	-	-	-	-	-
+ Imports	..	1.48	0.37	0.35	1.10	2.71	3.73	5.45
- Exports	..	8.48	1.30	1.95	4.35	6.30	6.48	6.38
Electrical energy supplied	..	**8.45**	**6.66**	**7.51**	**8.48**	**8.24**	**8.26**	..
- Transmission & distr. losses	..	1.15	1.24	1.10	1.05	0.90	0.84	..
- Statistical difference	..	-	-	-	-	-	-	..
Total consumption	..	7.30	5.42	6.40	7.43	7.33	7.42	..
Energy industry consumption[2]	..	**0.49**	**0.41**	**0.36**	**0.52**	**0.51**	**0.51**	..
Coal Mines	..	0.37	0.21	0.21	0.22	0.23	0.22	..
Oil + Gas Extraction	..	-	-	-	-	-	-	..
Patent Fuel Plants	..	-	-	-	-	-	-	..
Coke Ovens	..	-	-	-	-	-	-	..
BKB plants	..	0.05	0.03	0.02	0.02	0.01	0.01	..
Gas Works	..	-	-	-	-	-	-	..
Blast Furnaces	..	-	-	-	-	-	-	..
Oil Refineries	..	-	-	-	-	-	-	..
Nuclear Industry	..	-	-	-	-	-	-	..
Coal Liquefaction Plants	..	-	0.06	0.07	0.08	0.17	0.20	..
LNG/Regasification Plants	..	-	-	-	-	-	-	..
Energy - Non Specified	..	0.07	0.11	0.07	0.20	0.10	0.08	..
Final consumption	..	**6.81**	**5.02**	**6.04**	**6.91**	**6.82**	**6.91**	..
Industry	..	**2.73**	**1.83**	**2.17**	**2.10**	**2.16**	**2.12**	..
Iron and steel	..	-	0.00	0.01	0.00	0.00	0.00	..
Chem. and petrochemical	..	0.94	0.31	0.36	0.25	0.25	0.15	..
Non-ferrous metals	..	-	0.00	0.01	0.01	0.01	0.01	..
Non-metallic minerals	..	-	0.15	0.21	0.21	0.19	0.21	..
Transport equipment	..	-	0.05	0.05	0.04	0.07	0.06	..
Machinery	..	0.30	0.13	0.21	0.29	0.26	0.25	..
Mining and quarrying	..	-	0.01	0.02	0.02	0.02	0.02	..
Food and tobacco	..	0.27	0.27	0.30	0.28	0.29	0.32	..
Paper, pulp and printing	..	0.14	0.10	0.14	0.35	0.36	0.37	..
Wood and wood products	..	0.09	0.22	0.36	0.28	0.34	0.37	..
Construction	..	0.08	0.10	0.10	0.06	0.08	0.08	..
Textile and leather	..	0.34	0.30	0.20	0.12	0.11	0.12	..
Non specified/other	..	0.58	0.18	0.22	0.18	0.18	0.18	..
Transport	..	**0.35**	**0.09**	**0.10**	**0.09**	**0.06**	**0.05**	..
Rail Transport	..	0.17	0.02	0.01	0.01	0.02	0.01	..
Pipeline Transport	..	-	-	-	-	-	-	..
Road	..	-	-	-	0.02	0.02	0.02	..
Transport Non Specified	..	0.17	0.08	0.09	0.05	0.03	0.03	..
Commercial & publ. serv.	..	**0.21**	**1.40**	**1.93**	**2.51**	**2.53**	**2.80**	..
Residential	..	**0.88**	**1.47**	**1.62**	**2.02**	**1.87**	**1.74**	..
Agriculture	..	**2.01**	**0.22**	**0.21**	**0.19**	**0.20**	**0.20**	..
Fishing	..	**-**	**-**	**0.01**	**0.00**	**0.01**	**0.01**	..
Sector non specified	..	0.63	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Estonia

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	..	-	**2.80**	**2.56**	**2.75**	**2.92**	**2.91**	**3.10**
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	-	0.01	0.01	0.01	0.01	0.01
of which: mixed plants	..	-	-	-	-	-	-	-
of which: pure pumped storage	..	-	-	-	-	-	-	-
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	-	-	-	-
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	0.03	0.11	0.27	0.25	0.34
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	..	2.80	2.52	2.64	2.65	2.65	2.75
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	-	-	0.01	-	-	-	-
Liquid fuels	..	-	-	-	-	-	-	-
Natural gas	..	-	0.01	0.01	-	0.25	0.25	0.25
Biofuels & waste	..	-	-	-	-	0.02	0.02	0.02
Multi-fired:								
Solid / liquid	..	-	-	-	0.01	0.02	0.02	0.02
Solid / natural gas	..	-	0.18	0.17	0.33	0.06	0.05	0.05
Liquid / natural gas	..	-	-	-	-	-	-	-
Solid / liquid / gas	..	-	2.61	2.33	2.30	2.31	2.31	2.41
Type of generation								
Steam	..	-	2.79	2.51	2.62	2.62	2.63	2.72
Internal combustion	..	-	0.01	0.02	0.02	0.03	0.03	0.03
Gas turbine	..	-	-	-	-	-	-	-
Combined cycle	..	-	-	-	-	-	-	-
Other	..	-	-	-	-	-	-	-
Peak load	..	..	..	1.93	1.79	1.75	1.77	1.56
Of which Autoproducers	..	-	**0.03**	**0.03**	**0.02**	**0.02**	**0.02**	**0.02**
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	-	-	-	-	-	-
of which: mixed plants	..	-	-	-	-	-	-	-
of which: pure pumped storage	..	-	-	-	-	-	-	-
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	-	-	-	-
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	-	-	-	-	0.01
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	..	0.03	0.03	0.02	0.02	0.02	0.02

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Estonia

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	**..**	**-**	***34.7***	***45.5***	***53.8***	***46.7***	***52.1***	***45.9***
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	*28.5*	*50.2*	*51.4*	*59.9*	*37.1*	*61.6*
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	-	-	-	-
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	*19.9*	*29.3*	*18.6*	*24.4*	*20.2*
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	..	*34.7*	*45.8*	*54.8*	*49.5*	*54.7*	*49.1*
Of which autoproducers	**..**	**-**	***54.1***	***53.2***	***55.5***	***58.9***	***57.7***	***27.1***
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	-	-	-	-	-	-
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	-	-	-	-
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	*11.4*	*11.4*	-	*57.1*	*22.8*
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	..	*54.1*	*54.5*	*57.6*	*58.3*	*57.8*	*28.2*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Finland

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**27.63**	**54.38**	**69.98**	**70.58**	**80.67**	**71.26**	**68.09**	**68.60**
- Own use by power plant	1.11	2.79	2.69	2.74	3.45	2.90	2.64	-
Net production	**26.53**	**51.59**	**67.29**	**67.84**	**77.22**	**68.35**	**65.46**	**-**
- Used for heat pumps	-	-	0.01	0.00	0.12	0.16	0.20	0.21
- Used for electric boilers	-	-	0.07	0.02	0.05	0.03	0.04	0.05
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	3.62	11.01	12.21	17.95	15.72	17.59	21.62	21.46
- Exports	0.48	0.36	0.33	0.93	5.22	1.88	3.66	5.12
Electrical energy supplied	**29.67**	**62.23**	**79.10**	**84.84**	**87.55**	**83.88**	**83.18**	**..**
- Transmission & distr. losses	1.97	2.76	2.63	3.04	2.77	2.61	2.77	..
- Statistical difference	-	-	-0.00	0.17	-0.00	-0.00	-	..
Total consumption	27.70	59.47	76.47	81.62	84.79	81.27	80.41	..
Energy industry consumption[2]	**0.28**	**0.53**	**0.78**	**0.87**	**1.29**	**1.33**	**1.27**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.28	0.53	0.78	0.87	1.29	1.33	1.27	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**27.42**	**58.94**	**75.68**	**80.75**	**83.50**	**79.94**	**79.14**	**..**
Industry	**18.30**	**32.52**	**42.90**	**43.06**	**40.36**	**38.69**	**38.17**	**..**
Iron and steel	1.19	1.86	2.83	3.45	3.28	3.88	3.99	..
Chem. and petrochemical	2.21	3.66	4.33	4.62	4.60	4.75	4.72	..
Non-ferrous metals	0.47	1.47	1.76	1.87	1.91	1.94	1.94	..
Non-metallic minerals	0.55	0.86	0.87	0.98	0.78	0.77	0.75	..
Transport equipment	-	-	0.33	0.29	0.40	0.27	0.28	..
Machinery	0.97	1.79	1.95	2.10	2.45	2.20	2.15	..
Mining and quarrying	0.52	0.59	0.56	0.63	0.94	1.42	1.37	..
Food and tobacco	0.65	1.30	1.53	1.46	1.65	1.67	1.61	..
Paper, pulp and printing	10.33	18.43	25.18	23.64	20.79	19.02	18.55	..
Wood and wood products	0.77	1.13	1.51	1.63	1.54	1.48	1.47	..
Construction	0.25	0.49	0.21	0.27	0.35	0.38	0.43	..
Textile and leather	0.36	0.29	0.25	0.21	0.13	0.16	0.21	..
Non specified/other	0.06	0.67	1.58	1.91	1.55	0.76	0.71	..
Transport	**0.07**	**0.43**	**0.54**	**0.65**	**0.74**	**0.73**	**0.72**	**..**
Rail Transport	0.07	0.43	0.54	0.65	0.74	0.73	0.72	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	0.00	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**3.53**	**10.40**	**13.29**	**15.52**	**17.85**	**17.50**	**17.46**	**..**
Residential	**5.14**	**14.60**	**17.44**	**20.27**	**22.90**	**21.51**	**21.36**	**..**
Agriculture	**0.38**	**1.00**	**1.52**	**1.25**	**1.65**	**1.50**	**1.43**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Finland

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**6.50**	**13.22**	**16.26**	**16.47**	**15.54**	**15.76**	**16.65**	**16.25**
Nuclear	-	2.36	2.64	2.67	2.72	2.73	2.75	2.75
Hydro	2.27	2.62	2.88	3.04	3.16	3.20	3.22	3.25
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.01	0.01	0.01	0.01
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.04	0.08	0.20	0.26	0.45	0.63
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	4.23	8.24	10.70	10.68	9.46	9.56	10.22	9.61
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.06	0.04	0.06	0.06	0.02	0.02	0.02	0.02
Liquid fuels	1.16	0.97	0.99	0.91	1.26	1.23	1.57	1.57
Natural gas	-	0.44	0.41	0.41	1.44	1.45	1.45	1.45
Biofuels & waste	-	-	-	-	0.04	0.06	0.06	0.06
Multi-fired:								
Solid / liquid	2.55	4.37	5.24	5.29	5.12	5.17	5.47	4.78
Solid / natural gas	-	0.14	0.25	0.25	0.09	0.17	0.17	0.17
Liquid / natural gas	0.22	1.04	1.59	1.59	0.43	0.43	0.43	0.43
Solid / liquid / gas	0.24	1.24	2.16	2.16	1.07	1.04	1.07	1.14
Type of generation								
Steam	3.45	6.88	7.22	7.19	7.08	7.19	7.51	6.90
Internal combustion	-	-	0.05	0.05	0.12	0.10	0.10	0.10
Gas turbine	0.78	1.36	1.85	1.85	0.95	0.96	1.29	1.29
Combined cycle	-	-	1.59	1.59	1.31	1.32	1.32	1.32
Other	-	-	-	-	-	-	-	-
Peak load	..	10.24	12.40	13.48	14.62	14.44	14.17	14.37
Of which Autoproducers	**1.29**	**1.78**	**2.47**	**2.47**	**2.07**	**2.01**	**2.04**	**2.05**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	0.20	0.20	0.20	0.17	0.19	0.19
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.01	0.01	0.01	0.01
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	1.29	1.78	2.27	2.27	1.87	1.83	1.85	1.85

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Finland

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***48.5***	***47.0***	***49.1***	***48.9***	***59.3***	***51.0***	***48.9***	***47.9***
Nuclear	-	*93.0*	*97.2*	*99.5*	*95.8*	*96.1*	*97.9*	*97.8*
Hydro	*63.6*	*47.3*	*58.1*	*51.9*	*46.8*	*60.2*	*45.5*	*47.1*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*11.4*	*8.6*	*8.2*	*8.6*	*7.6*	*8.3*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*23.4*	*23.7*	*17.0*	*21.9*	*19.8*	*20.2*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*40.5*	*33.7*	*34.8*	*35.4*	*53.5*	*35.5*	*37.7*	*35.3*
Of which autoproducers	***58.4***	***55.7***	***55.2***	***51.6***	***61.2***	***58.3***	***56.6***	***56.3***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	*61.9*	*58.0*	*50.4*	*85.0*	*60.1*	*56.9*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*11.4*	*8.6*	*8.2*	*8.6*	*7.6*	*8.3*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*58.4*	*55.7*	*53.9*	*50.0*	*61.3*	*54.8*	*55.4*	*55.5*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

France

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**186.86**	**420.75**	**539.95**	**576.06**	**569.10**	**572.31**	**562.78**	**568.18**
- Own use by power plant	6.46	19.60	23.85	26.03	24.99	23.80	23.36	-
Net production	**180.40**	**401.15**	**516.11**	**550.04**	**544.11**	**548.51**	**539.42**	**-**
- Used for heat pumps	-	-	-	-	-	0.01	0.02	0.02
- Used for electric boilers	-	-	-	-	-	-	-	0.01
- Used for pumped storage	0.38	4.94	6.60	6.64	6.60	7.09	7.96	6.89
+ Imports	6.39	6.67	3.70	8.06	19.48	11.69	7.87	9.98
- Exports	6.50	52.11	73.17	68.39	50.19	60.15	75.06	74.02
Electrical energy supplied	**179.92**	**350.77**	**440.03**	**483.07**	**506.80**	**492.95**	**464.25**	**..**
- Transmission & distr. losses	11.76	27.70	30.41	32.23	35.41	37.58	35.38	..
- Statistical difference	-	-0.18	-0.78	-0.27	-0.37	-1.71	-2.74	..
Total consumption	168.16	323.25	410.39	451.11	471.76	457.08	431.60	..
Energy industry consumption[2]	**11.06**	**21.02**	**25.49**	**28.34**	**27.67**	**16.37**	**16.28**	**..**
Coal Mines	2.35	1.25	0.74	0.52	0.06	0.06	0.04	..
Oil + Gas Extraction	0.05	4.41	4.41	0.59	0.53	0.46	0.36	..
Patent Fuel Plants	0.01	-	-	-	-	-	-	..
Coke Ovens	-	-	-	0.01	0.00	0.00	0.00	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.18	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	3.51	-	-	3.47	3.25	3.60	3.62	..
Nuclear Industry	-	13.68	16.26	c	c	c	c	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	4.95	1.69	4.08	23.76	23.84	12.25	12.26	..
Final consumption	**157.10**	**302.23**	**384.90**	**422.77**	**444.09**	**440.71**	**415.33**	**..**
Industry	**88.01**	**114.67**	**134.66**	**139.55**	**117.44**	**111.44**	**111.38**	**..**
Iron and steel	15.59	11.64	17.15	15.61	10.22	12.28	18.35	..
Chem. and petrochemical	21.06	26.79	25.74	24.93	27.64	20.43	20.41	..
Non-ferrous metals	11.30	10.54	9.70	9.83	7.47	8.37	7.72	..
Non-metallic minerals	5.80	6.36	8.12	8.83	9.17	8.19	8.81	..
Transport equipment	4.46	8.02	8.66	8.26	7.56	6.40	4.76	..
Machinery	7.83	13.63	14.83	11.92	15.94	12.50	9.10	..
Mining and quarrying	1.77	3.66	1.89	1.65	0.58	1.60	0.62	..
Food and tobacco	5.07	13.80	17.70	19.75	20.10	20.82	20.78	..
Paper, pulp and printing	5.59	9.39	13.69	13.49	9.20	9.93	8.31	..
Wood and wood products	1.30	3.94	2.16	2.28	2.25	2.13	5.06	..
Construction	0.85	2.10	1.50	1.74	2.17	3.09	2.14	..
Textile and leather	6.70	4.24	3.63	2.57	1.76	1.49	1.46	..
Non specified/other	0.68	0.56	9.90	18.69	3.39	4.22	3.86	..
Transport	**6.40**	**8.88**	**11.68**	**12.22**	**12.53**	**12.78**	**12.47**	**..**
Rail Transport	6.40	6.75	8.86	8.87	8.81	9.08	8.46	..
Pipeline Transport	-	-	-	0.00	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	2.13	2.82	3.35	3.73	3.70	4.01	..
Commercial & publ. serv.	**28.36**	**79.36**	**104.01**	**122.83**	**142.17**	**138.02**	**131.61**	**..**
Residential	**33.04**	**96.91**	**128.72**	**138.48**	**161.52**	**167.90**	**149.43**	**..**
Agriculture	**1.20**	**2.11**	**2.73**	**7.33**	**7.62**	**8.65**	**8.64**	**..**
Fishing	**-**	**-**	**-**	**0.11**	**0.12**	**0.12**	**0.13**	**..**
Sector non specified	0.08	0.32	3.11	2.26 e	2.69	1.79	1.67	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

France

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**45.38**	**103.34**	**114.67**	**115.76**	**124.55**	**129.25**	**128.43**	**129.07**
Nuclear	2.89	55.75	63.18	63.26	63.13 e	63.13 e	63.13 e	63.13
Hydro	16.09	24.67	25.13	25.11	25.40	25.37	25.36	25.29
of which: mixed plants	-	*5.16*	*5.62*	*5.50*	*5.44*	*5.44*	*5.44*	*5.44*
of which: pure pumped storage	*0.08*	*1.79*	*1.86*	*1.80*	*1.81*	*1.81*	*1.81*	*1.73*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.01	1.04	3.97	4.65	5.65
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	0.24	0.24	0.24	0.24	0.24 e	0.24 e	0.24 e	0.24
Wind	-	-	0.04	0.69	5.91	7.52	8.20	9.07
Other (e.g. fuel cells)	-	-	-	-	-	1.27	1.27	1.27
Combustible fuels	26.16	22.67	26.07	26.45	28.82	27.76	25.58	24.41
of which[2]*:*								
Single-fired:								
Coal and Coal products	7.20	5.24	..	..	..	7.91	6.34	5.12
Liquid fuels	9.71	7.86	..	..	..	10.36	8.78	8.88
Natural gas	0.70	0.26	..	..	..	9.49	10.46	10.41
Biofuels & waste	-	-	..	..	..	..	..	..
Multi-fired:								
Solid / liquid	6.55	8.20	..	..	..	..	..	..
Solid / natural gas	0.53	0.29	..	..	..	..	..	..
Liquid / natural gas	1.46	0.32	..	..	..	..	..	..
Solid / liquid / gas	-	0.50	..	..	..	..	..	..
Type of generation								
Steam	-	21.11	..	..	..	..	..	..
Internal combustion	-	0.36	..	..	..	..	..	..
Gas turbine	-	1.20	..	..	..	..	..	..
Combined cycle	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	27.76	25.58	24.41
Peak load	..	63.40	72.39	86.00	96.71	102.10	92.60	82.54
Of which Autoproducers	**8.90**	**8.23**	**5.40**	**6.74**	**7.08**	**9.05**	**8.40**	**8.23**
Nuclear	-	-	-	-	-	-	-	-
Hydro	1.22	1.72	0.25	0.27	0.20	0.37	0.21	0.21
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.01	0.87	2.51	2.88	3.25
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.03	0.36	0.62	0.63	0.75
Other (e.g. fuel cells)	-	-	-	-	-	1.27	1.27	1.27
Combustible fuels	7.68	6.51	5.15	6.43	5.65	4.27	3.41	2.76

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

France

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***47.0***	***46.5***	***53.8***	***56.8***	***52.2***	***50.0***	***50.9***	***49.8***
Nuclear	*58.1*	*64.3*	*75.0*	*81.5*	*77.5 e*	*76.9 e*	*76.6 e*	*78.9*
Hydro	*39.9*	*26.6*	*32.3*	*25.6*	*30.4*	*28.6*	*34.2*	*31.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*8.2*	*9.7*	*6.8*	*11.6*	*11.6*	*11.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	*28.4*	*23.9*	*24.1*	*22.9*	*22.6 e*	*21.8 e*	*19.7 e*	*22.9*
Wind	-	-	*14.4*	*15.9*	*19.2*	*22.7*	*22.3*	*21.7*
Other (e.g. fuel cells)	-	-	-	-	-	*5.3*	*6.3*	*5.0*
Combustible fuels	*50.3*	*24.5*	*23.3*	*28.8*	*24.6*	*23.3*	*22.7*	*15.7*
Of which autoproducers	***42.7***	***36.4***	***32.7***	***36.6***	***20.5***	***27.6***	***25.5***	***25.8***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*35.8*	*33.2*	*28.5*	*22.8*	*36.1*	*20.4*	*41.0*	*43.5*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*8.2*	*12.6*	*6.8*	*11.5*	*11.5*	*11.8*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*15.2*	*24.4*	*15.0*	*16.2*	*22.0*	*19.9*
Other (e.g. fuel cells)	-	-	-	-	-	*5.3*	*6.3*	*5.0*
Combustible fuels	*43.8*	*37.2*	*33.0*	*37.3*	*22.4*	*46.0*	*44.2*	*52.3*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Germany

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**392.14**	**550.02**	**576.54**	**622.58**	**632.98**	**638.73**	**627.80**	**651.50**
- Own use by power plant	26.69	41.43	38.05	39.84	38.15	36.91	35.84	-
Net production	**365.44**	**508.58**	**538.49**	**582.74**	**594.83**	**601.82**	**591.95**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	3.74	4.98	6.04	9.51	8.62	7.82	8.00	8.06
+ Imports	17.66	31.67	45.13	56.86	42.96	39.22	40.44	37.01
- Exports	10.64	30.74	42.08	61.43	57.92	71.42	74.32	85.29
Electrical energy supplied	**368.73**	**504.53**	**535.50**	**568.66**	**571.26**	**561.81**	**550.06**	**..**
- Transmission & distr. losses	19.85	23.53	34.09	29.33	23.97	24.47	24.16	..
- Statistical difference	-	-	-	-	-	-	0.00	..
Total consumption	348.88	481.00	501.41	539.33	547.28	537.33	525.90	..
Energy industry consumption[2]	**23.58**	**25.92**	**17.96**	**17.06**	**14.86**	**14.13**	**13.07**	**..**
Coal Mines	9.94	6.77	4.88	4.03	2.66	1.11	1.03	..
Oil + Gas Extraction	0.41	0.50	0.44	0.62	0.57	0.61	0.62	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.57	1.18	0.39	0.32	0.31	0.30	0.30	..
BKB plants	4.43	8.92	4.88	4.77	4.88	4.87	4.88	..
Gas Works	2.47	1.40	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	5.76	6.85	7.27	7.33	6.43	7.24	6.24	..
Nuclear Industry	-	-	0.07	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	0.31	0.02	-	-	-	-	..
Final consumption	**325.31**	**455.08**	**483.45**	**522.26**	**532.42**	**523.20**	**512.84**	**..**
Industry	**184.07**	**216.48**	**211.59**	**230.56**	**224.53**	**224.27**	**228.77**	**..**
Iron and steel	29.18	27.37	23.65	27.65	27.09	26.14	26.32	..
Chem. and petrochemical	66.08	62.50	48.34	52.86	52.34	51.73	53.49	..
Non-ferrous metals	17.26	19.86	18.50	17.90	13.65	12.86	13.42	..
Non-metallic minerals	9.64	11.59	14.83	12.46	12.23	12.23	12.12	..
Transport equipment	7.29	13.69	18.99	19.68	17.84	18.32	18.54	..
Machinery	8.87	12.49	10.24	24.29	32.91	37.20	39.30	..
Mining and quarrying	5.55	6.45	2.06	1.90	2.16	1.75	1.77	..
Food and tobacco	7.42	12.05	14.70	16.91	17.53	17.82	18.07	..
Paper, pulp and printing	10.49	16.95	21.77	26.85	24.30	22.34	21.93	..
Wood and wood products	2.46	3.46	4.01	4.41	4.51	4.32	4.28	..
Construction	0.54	0.70	0.81	-	-	-	-	..
Textile and leather	6.68	7.11	4.30	3.36	2.48	2.24	2.19	..
Non specified/other	12.63	22.27	29.41	22.30	17.50	17.31	17.34	..
Transport	**9.98**	**13.67**	**15.91**	**13.17**	**12.12**	**11.99**	**11.59**	**..**
Rail Transport	9.98	13.67	15.91	13.12	12.06	11.89	11.47	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	0.05	0.06	0.10	0.13	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**41.48**	**87.88**	**125.45**	**137.24**	**154.08**	**150.95**	**142.87**	**..**
Residential	**83.64**	**137.05**	**130.50**	**141.30**	**141.70**	**136.00**	**129.60**	**..**
Agriculture	**6.14**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Germany

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**66.20**	**99.08**	**118.88**	**128.61**	**162.70**	**177.29**	**186.12**	**198.42**
Nuclear	3.29	22.41	22.40	20.38	20.47	12.07	12.07	12.07
Hydro	4.81	8.18	9.49	10.86	11.22	11.26	11.24	11.23
of which: mixed plants	-	*0.67*	*0.75*	*1.08*	*1.16*	*1.16*	*1.16*	*1.16*
of which: pure pumped storage	-	*4.20*	*4.65*	*5.65*	*5.81*	*5.65*	*5.65*	*5.65*
Geothermal	-	-	-	-	0.01	0.01	0.02	0.02
Solar PV	-	-	0.11	2.06	17.55	32.64	36.34	38.23
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.05	6.10	18.38	27.18	31.30	34.66	39.19
Other (e.g. fuel cells)	-	-	-	0.57	0.45	0.36	0.42	0.45
Combustible fuels	58.09	68.44	80.79	76.38	85.82	89.65	91.37	97.20
of which[2]*:*								
Single-fired:								
Coal and Coal products	30.84	26.31	32.66	..	..	..	..	..
Liquid fuels	9.06	6.05	4.14	..	..	..	..	..
Natural gas	6.63	9.53	14.44	..	..	..	..	..
Biofuels & waste	-	0.91	1.94	..	..	..	..	..
Multi-fired:								
Solid / liquid	6.85	9.03	9.45	..	..	..	..	..
Solid / natural gas	1.49	1.98	2.58	..	..	..	..	..
Liquid / natural gas	2.47	9.22	8.67	..	..	..	..	..
Solid / liquid / gas	0.75	5.41	6.90	..	..	..	..	..
Type of generation								
Steam	-	63.14	70.83	..	..	..	..	..
Internal combustion	-	0.23	0.96	..	..	..	..	..
Gas turbine	-	5.08	6.28	..	..	..	..	..
Combined cycle	-	-	2.73	..	..	..	..	..
Other	-	-	-	..	..	..	..	..
Peak load	..	73.01	80.85	..	..	..	..	..
Of which Autoproducers	**15.64**	**13.55**	**10.00**	**8.53**	**9.90**	**7.02**	**9.62**	**9.81**
Nuclear	-	0.15	-	-	-	-	-	-
Hydro	0.46	0.54	c	0.08	0.07	0.07	0.04	0.04
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	*0.15*	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.05	c	0.01	0.05	-	-	-
Other (e.g. fuel cells)	-	-	-	0.43	0.30	0.21	0.28	0.31
Combustible fuels	15.18	12.81	10.00	8.00	9.47	6.74	9.30	9.46

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Germany

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***67.6***	***63.4***	***55.4 e***	***55.3***	***44.4***	***40.6***	***39.2***	***36.1***
Nuclear	*50.1*	*77.7*	*86.5*	*91.3*	*78.4*	*94.1*	*92.0*	*91.8*
Hydro	*45.6*	*27.6*	*31.3*	*27.8*	*27.8*	*28.2*	*29.2*	*25.9*
Geothermal	-	-	-	-	*40.0*	*23.8*	*38.1*	*46.6*
Solar PV	-	*5.7*	*6.0*	*7.1*	*7.6*	*9.2*	*9.7*	*10.8*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*16.9*	*17.5*	*16.9*	*15.9*	*18.5*	*17.0*	*16.7*
Other (e.g. fuel cells)	-	-	-	*65.5*	*59.0*	*63.9*	*48.0*	*51.1*
Combustible fuels	*70.4*	*63.0*	*52.5 e*	*60.0*	*55.0*	*53.9*	*53.5*	*48.1*
Of which autoproducers	***76.4***	***70.7***	***55.8***	***67.1***	***61.1***	***71.7***	***53.3***	***52.9***
Nuclear	-	*83.4*	-	-	-	-	-	-
Hydro	*60.0*	*43.1*	*c*	*52.2*	*58.3*	*55.5*	*49.5*	*42.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	*26.6*	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*5.5*	*c*	*46.6*	*18.9*	-	-	-
Other (e.g. fuel cells)	-	-	-	*67.4*	*61.7*	*71.9*	*50.5*	*52.6*
Combustible fuels	*76.9*	*72.0*	*55.8*	*67.3*	*61.3*	*71.9*	*53.4*	*53.0*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Greece

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**15.02**	**35.00**	**53.84**	**60.02**	**57.39**	**57.15**	**50.47**	**47.96**
- Own use by power plant	0.82	2.86	3.98	4.28	4.00	4.59	3.77	-
Net production	**14.20**	**32.15**	**49.86**	**55.74**	**53.39**	**52.56**	**46.70**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	0.33	0.60	0.84	0.04	0.05	0.19	0.09
+ Imports	0.08	1.33	1.73	5.62	8.52	5.79	9.46	11.08
- Exports	0.04	0.62	1.74	1.84	2.81	3.90	0.64	1.47
Electrical energy supplied	**14.24**	**32.53**	**49.26**	**58.68**	**59.06**	**54.39**	**55.33**	**..**
- Transmission & distr. losses	1.06	2.87	4.27	5.60	3.78	3.90	4.15	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	13.18	29.67	44.98	53.08	55.28	50.50	51.19	..
Energy industry consumption[2]	**0.30**	**1.20**	**1.83**	**2.18**	**2.16**	**1.71**	**1.69**	**..**
Coal Mines	0.14	0.48	1.06	1.10	0.96	0.89	0.79	..
Oil + Gas Extraction	-	-	-	0.05	0.04	0.05	0.05	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.16	0.72	0.77	1.02	1.16	0.76	0.78	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	0.01	0.07	..
Final consumption	**12.88**	**28.47**	**43.15**	**50.90**	**53.12**	**48.79**	**49.50**	**..**
Industry	**7.61**	**12.11**	**13.55**	**14.42**	**14.14**	**11.37**	**12.87**	**..**
Iron and steel	0.50	1.00	0.98	1.68	1.30	0.76	0.78	..
Chem. and petrochemical	1.01	1.38	1.21	0.57	0.53	0.60	0.66	..
Non-ferrous metals	2.99	3.32	3.86	4.62	5.40	4.71	4.71	..
Non-metallic minerals	0.88	1.78	2.07	2.41	1.71	1.09	1.10	..
Transport equipment	0.09	0.16	0.18	0.13	0.09	0.12	0.11	..
Machinery	0.26	0.41	0.61	0.57	0.14	0.21	0.20	..
Mining and quarrying	0.14	0.28	0.28	0.26	0.16	0.04	0.04	..
Food and tobacco	0.24	0.71	1.21	1.90	2.16	2.11	2.18	..
Paper, pulp and printing	0.25	0.51	0.51	0.54	0.64	0.53	0.55	..
Wood and wood products	0.07	0.10	0.14	0.22	0.22	0.14	0.13	..
Construction	-	0.01	0.08	0.01	0.00	0.00	0.00	..
Textile and leather	0.57	1.07	1.00	0.76	0.61	0.30	0.20	..
Non specified/other	0.62	1.38	1.43	0.77	1.19	0.77	2.23	..
Transport	**0.07**	**0.13**	**0.23**	**0.20**	**0.18**	**0.27**	**0.34**	**..**
Rail Transport	0.07	0.13	0.10	0.06	0.05	0.11	0.17	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	0.02	0.02	..
Transport Non Specified	-	-	0.13	0.14	0.14	0.14	0.15	..
Commercial & publ. serv.	**1.99**	**5.61**	**12.26**	**16.48**	**18.00**	**17.01**	**16.80**	**..**
Residential	**3.00**	**9.07**	**14.21**	**16.88**	**18.13**	**17.45**	**17.15**	**..**
Agriculture	**0.21**	**1.56**	**2.91**	**2.93**	**2.67**	**2.70**	**2.28**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	0.05	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Greece

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**3.94**	**8.51**	**10.90**	**13.31**	**15.31**	**17.75**	**18.86**	**18.90**
Nuclear	-	-	-	-	-	-	-	-
Hydro	1.29	2.41	3.07	3.11	3.22	3.24	3.24	3.39
of which: mixed plants	-	*0.32*	*0.70*	*0.70*	*0.70*	*0.70*	*0.70*	*0.70*
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.20	1.54	2.58	2.60
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.23	0.49	1.30	1.75	1.81	1.98
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	2.65	6.10	7.61	9.71	10.60	11.23	11.23	10.93
of which[2]*:*								
Single-fired:								
Coal and Coal products	1.12	3.89	4.49	4.81	4.79	4.56	4.56	4.30
Liquid fuels	1.22	2.15	1.97	2.32	2.51	2.50	2.50	2.49
Natural gas	0.10	0.02	1.11	2.53	3.25	4.12	4.10	4.07
Biofuels & waste	-	0.05	0.04	0.05	0.05	0.05	0.07	0.07
Multi-fired:								
Solid / liquid	0.22	-	-	-	-	-	-	-
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	-	-	-	-	-	-	-
Solid / liquid / gas	-	-	-	-	-	-	-	-
Type of generation								
Steam	-	5.42	5.81	6.10	6.08	5.84	5.84	5.54
Internal combustion	-	0.29	0.56	0.78	0.93	0.92	0.92	0.89
Gas turbine	-	0.32	0.32	0.52	0.88	0.90	0.90	0.84
Combined cycle	-	0.07	0.92	2.31	2.71	3.57	3.57	3.66
Other	-	-	-	-	-	-	-	-
Peak load	..	4.92	8.53	9.64	9.88	9.89	8.76	9.09
Of which Autoproducers	**0.13**	**0.20**	**0.21**	**0.26**	**0.52**	**0.52**	**0.53**	**0.51**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.13	0.20	0.21	0.26	0.52	0.52	0.53	0.51

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Greece

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***43.5***	***47.0***	***56.4***	***51.5***	***42.8***	***39.2***	***34.6***	***30.5***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*20.8*	*9.5*	*15.3*	*20.6*	*26.6*	*16.2*	*22.5*	*15.5*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	*11.4*	*8.9*	*12.6*	*16.2*	*16.7*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*22.8*	*22.8*	*29.4*	*23.9*	*25.1*	*26.1*	*21.3*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*54.5*	*61.8*	*74.0*	*62.5*	*50.7*	*51.7*	*43.7*	*40.1*
Of which autoproducers	***18.8***	***50.7***	***54.1***	***48.2***	***54.5***	***51.4***	***40.8***	***40.5***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*18.8*	*50.7*	*54.1*	*48.2*	*54.5*	*51.4*	*40.8*	*40.5*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Hungary

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**18.99**	**28.44**	**35.19**	**35.76**	**37.37**	**30.29**	**29.37**	**30.19**
- Own use by power plant	1.82	2.54	2.93	2.54	2.76	2.25	2.24	-
Net production	**17.16**	**25.90**	**32.26**	**33.22**	**34.61**	**28.05**	**27.13**	**-**
- Used for heat pumps	-	-	-	-	-	-	0.00	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	5.76	13.30	9.52	15.64	9.90	16.64	19.08	19.94
- Exports	1.10	2.15	6.08	9.41	4.70	4.76	5.69	6.25
Electrical energy supplied	**21.82**	**37.05**	**35.70**	**39.45**	**39.81**	**39.92**	**40.52**	**..**
- Transmission & distr. losses	1.95	4.04	4.84	3.94	3.80	3.66	3.63	..
- Statistical difference	-	-	-	-	-	-0.02	1.02	..
Total consumption	19.87	33.01	30.86	35.51	36.01	36.28	35.87	..
Energy industry consumption[2]	**1.12**	**1.42**	**1.42**	**3.17**	**1.80**	**1.41**	**1.16**	**..**
Coal Mines	0.82	0.74	0.15	0.46	0.39	0.38	0.25	..
Oil + Gas Extraction	0.12	0.30	0.48	0.89	0.24	0.24	0.26	..
Patent Fuel Plants	0.00	0.02	0.00	0.00	0.00	-	-	..
Coke Ovens	0.01	0.01	0.05	0.05	0.06	0.06	0.06	..
BKB plants	0.01	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.15	0.34	0.43	0.56	0.60	0.69	0.59	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	0.29	1.22	0.51	0.04	-	..
Final consumption	**18.75**	**31.59**	**29.44**	**32.34**	**34.21**	**34.87**	**34.70**	**..**
Industry	**11.22**	**13.75**	**8.80**	**9.27**	**9.78**	**14.84**	**14.68**	**..**
Iron and steel	1.61	1.75	0.58	0.76	0.52	0.58	0.59	..
Chem. and petrochemical	2.53	3.45	2.80	2.13	2.32	3.05	3.20	..
Non-ferrous metals	1.72	1.77	0.99	0.91	0.43	0.47	0.39	..
Non-metallic minerals	0.80	1.15	0.87	0.91	0.93	1.04	1.20	..
Transport equipment	0.42	0.37	0.29	0.75	0.93	1.48	1.47	..
Machinery	1.04	1.47	0.58	1.25	1.54	2.41	2.46	..
Mining and quarrying	0.36	0.31	0.10	0.08	0.06	0.16	0.09	..
Food and tobacco	0.81	1.64	1.09	1.23	1.36	2.26	2.08	..
Paper, pulp and printing	0.41	0.56	0.51	0.58	0.56	0.79	0.80	..
Wood and wood products	0.14	0.21	0.14	0.15	0.15	0.33	0.25	..
Construction	0.29	0.20	0.03	0.07	0.12	0.33	0.26	..
Textile and leather	0.82	0.83	0.23	0.19	0.13	0.19	0.20	..
Non specified/other	0.28	0.05	0.59	0.26	0.74	1.76	1.70	..
Transport	**0.84**	**1.19**	**1.02**	**1.10**	**1.11**	**1.23**	**1.15**	**..**
Rail Transport	0.82	1.19	1.02	1.10	1.11	1.20	1.12	..
Pipeline Transport	-	-	-	-	-	0.01	0.01	..
Road	-	-	-	-	-	0.02	0.02	..
Transport Non Specified	0.02	-	-	-	-	-	-	..
Commercial & publ. serv.	**2.08**	**5.54**	**8.88**	**9.93**	**11.36**	**7.51**	**7.65**	**..**
Residential	**2.87**	**9.19**	**9.79**	**11.12**	**11.20**	**10.58**	**10.42**	**..**
Agriculture	**1.58**	**1.93**	**0.96**	**0.93**	**0.75**	**0.71**	**0.80**	**..**
Fishing	**-**	**-**	**-**	**-**	**0.01**	**0.01**	**0.02**	**..**
Sector non specified	0.15	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Hungary

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**3.91**	**7.18**	**8.28**	**8.59**	**8.99**	**9.40**	**8.42**	**8.81**
Nuclear	-	1.76	1.85	1.87	2.00	2.00	2.00	2.00
Hydro	0.02	0.05	0.05	0.05	0.05	0.06	0.06	0.06
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	0.01	0.04	0.08
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.02	0.29	0.33	0.33	0.33
Other (e.g. fuel cells)	-	-	-	-	-	-	0.01	0.01
Combustible fuels	3.89	5.38	6.38	6.65	6.65	7.01	5.99	6.33
of which[2]*:*								
Single-fired:								
Coal and Coal products	2.12	2.03	1.83	1.24	0.04	0.08	0.07	0.08
Liquid fuels	0.12	0.20	0.58	0.41	0.41	0.41	0.35	0.37
Natural gas	-	-	-	0.42	1.30	1.31	1.14	1.21
Biofuels & waste	-	-	-	0.37	0.19	0.16	0.15	0.16
Multi-fired:								
Solid / liquid	-	-	-	-	1.13	0.12	0.10	0.11
Solid / natural gas	-	-	-	0.13	0.30	0.04	0.05	0.05
Liquid / natural gas	1.44	2.93	3.78	3.95	3.22	3.79	3.20	3.38
Solid / liquid / gas	0.21	0.21	0.20	0.14	0.05	1.09	0.93	0.98
Type of generation								
Steam	3.66	4.81	5.02	4.43	4.05	3.57	2.85	2.58
Internal combustion	-	-	-	0.43	0.52	0.44	0.51	0.54
Gas turbine	0.12	0.20	0.58	0.68	1.20	1.72	0.87	0.92
Combined cycle	0.12	0.37	0.78	1.13	0.87	1.28	1.76	2.30
Other	-	-	-	-	-	-	-	-
Peak load	4.02	6.53	5.74	6.44	6.56	6.46	6.31	6.46
Of which Autoproducers	**0.21**	**0.21**	**0.20**	**0.14**	**0.15**	**0.11**	**0.20**	**0.26**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	0.01	0.04	0.08
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	0.01	0.01
Combustible fuels	0.21	0.21	0.20	0.14	0.15	0.10	0.16	0.17

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Hungary

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***55.4***	***45.2***	***48.5***	***47.5***	***47.4***	***42.1***	***41.1***	***38.1***
Nuclear	-	*89.1*	*87.5*	*84.6*	*90.0*	*90.1*	*87.7*	*89.3*
Hydro	*46.2*	*42.3*	*42.3*	*47.1*	*40.5*	*43.4*	*42.7*	*60.5*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	*5.7*	*7.6*	*8.2*	*8.3*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	*6.7*	*20.8*	*27.1*	*24.9*	*22.8*
Other (e.g. fuel cells)	-	-	-	-	-	-	*36.5*	*48.3*
Combustible fuels	*55.5*	*30.9*	*37.3*	*37.3*	*35.9*	*29.1*	*26.6*	*22.8*
Of which autoproducers	***57.9***	***52.6***	***28.7***	***34.8***	***32.4***	***52.1***	***34.8***	***28.0***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	*5.7*	*7.6*	*8.2*	*8.3*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	*36.5*	*48.3*
Combustible fuels	*57.9*	*52.6*	*28.7*	*34.8*	*32.8*	*57.4*	*40.6*	*35.2*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Iceland

Figure 1. Total final consumption by fuel

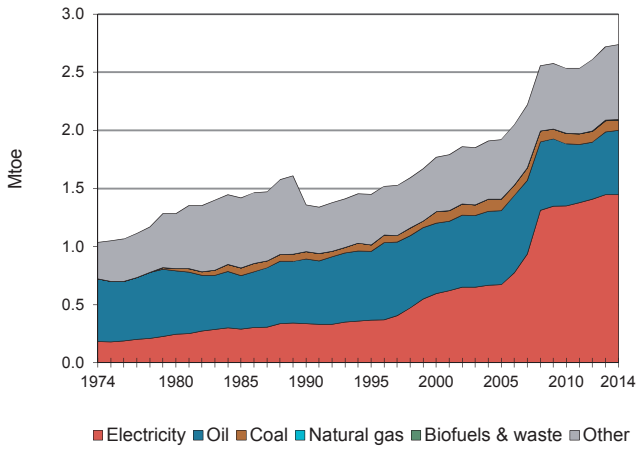


Figure 2. Electricity generation by fuel

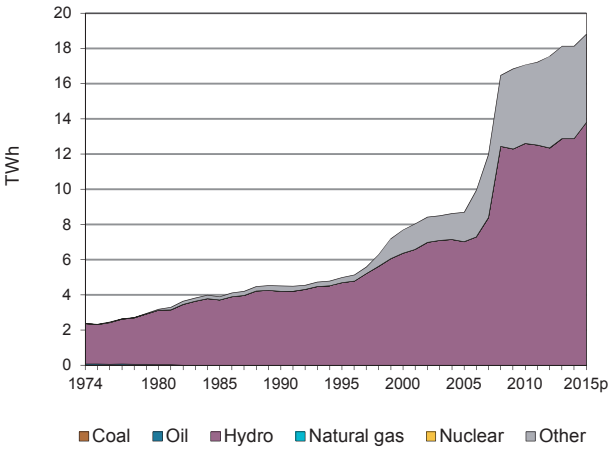


Figure 3. Electricity consumption by sector

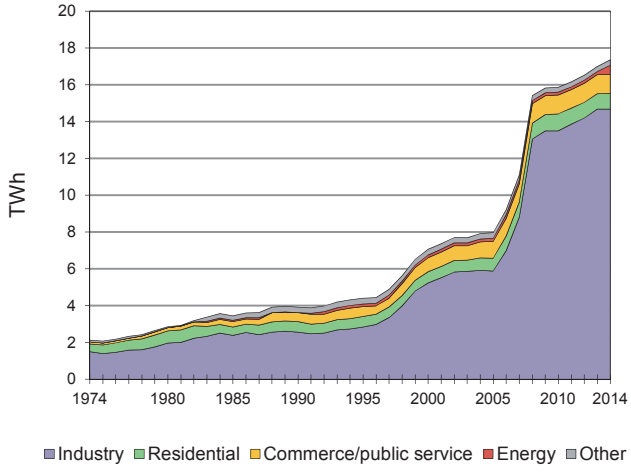


Figure 4. Electricity indicators

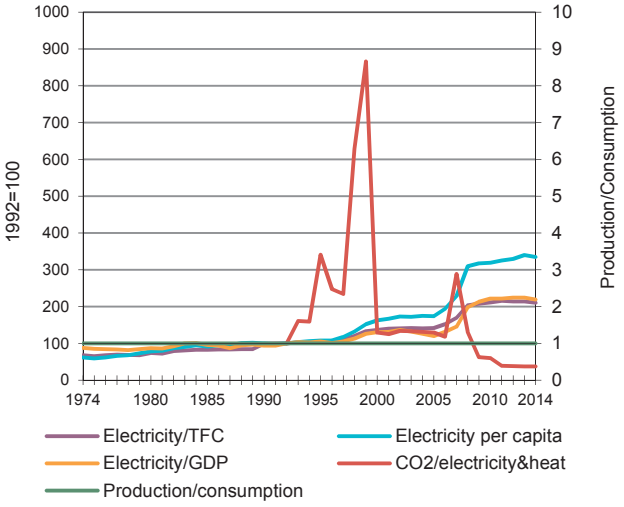
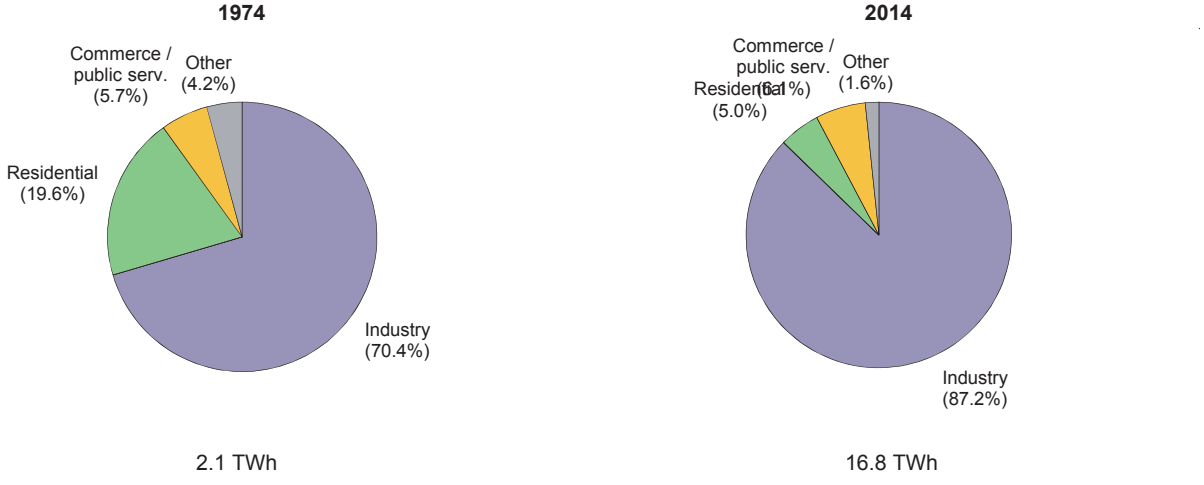


Figure 5. Total final electricity consumption by sector



Iceland

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**2.37**	**4.51**	**7.68**	**8.69**	**17.06**	**18.12**	**18.12**	**18.80**
- Own use by power plant	0.02	0.06	0.13	0.17	0.31	0.34	0.45	-
Net production	**2.34**	**4.45**	**7.55**	**8.51**	**16.75**	**17.77**	**17.67**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	0.14	0.18	0.17	0.19	0.19 e	0.20	0.20
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	-	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**2.34**	**4.31**	**7.38**	**8.34**	**16.56**	**17.58**	**17.48**	**..**
- Transmission & distr. losses	0.22	0.40	0.32	0.38	0.70	0.37	0.50	..
- Statistical difference	-	-	-	-	-	0.22	-0.37	..
Total consumption	2.12	3.91	7.06	7.96	15.86	16.99	17.35	..
Energy industry consumption[2]	**-**	**0.00**	**0.15**	**0.16**	**0.15**	**0.17**	**0.52**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	-	-	-	-	-	-	-	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	0.00	0.15	0.16	0.15	0.17 e	0.52	..
Final consumption	**2.12**	**3.91**	**6.91**	**7.80**	**15.71**	**16.82**	**16.83**	**..**
Industry	**1.49**	**2.56**	**5.24**	**5.89**	**13.50**	**14.68**	**14.68**	**..**
Iron and steel	-	0.57	0.98	0.98	0.93	1.07	0.99	..
Chem. and petrochemical	-	0.22	0.11	0.02	0.04	0.04	0.07	..
Non-ferrous metals	1.09	1.45	3.61	4.21	12.02	12.92	12.98	..
Non-metallic minerals	-	0.03	0.05	0.05	0.02	0.02	0.02	..
Transport equipment	-	-	0.01	0.01	0.00	0.01	0.01	..
Machinery	-	-	0.01	0.01	0.01	0.01	0.01	..
Mining and quarrying	-	0.00	0.01	0.00	0.00	0.00	0.00	..
Food and tobacco	-	0.18	0.39	0.44	0.41	0.53	0.52	..
Paper, pulp and printing	-	0.02	0.02	0.02	0.02	0.02	0.02	..
Wood and wood products	-	-	0.01	0.01	0.00	0.00	0.00	..
Construction	-	0.02	0.01	0.11	0.02	0.03	0.03	..
Textile and leather	-	0.03	0.02	0.01	0.00	0.00	0.00	..
Non specified/other	0.40	0.05	0.02	0.03	0.01	0.03	0.04	..
Transport	**-**	**-**	**-**	**-**	**-**	**0.00**	**0.00**	**..**
Rail Transport	-	-	-	-	-	-	-	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	0.00	0.00	..
Commercial & publ. serv.	**0.12**	**0.49**	**0.76**	**0.92**	**1.02**	**1.04**	**1.03**	**..**
Residential	**0.42**	**0.58**	**0.61**	**0.69**	**0.93**	**0.84**	**0.84**	**..**
Agriculture	**-**	**0.20**	**0.22**	**0.20**	**0.22**	**0.22**	**0.23**	**..**
Fishing	**-**	**0.01**	**0.01**	**0.04**	**0.04**	**0.05**	**0.05**	**..**
Sector non specified	0.09	0.08	0.07	0.06	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Iceland

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**0.49**	**0.94**	**1.38**	**1.54**	**2.58**	**2.66**	**2.77**	**2.77**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.38	0.76	1.06	1.16	1.88	1.88	1.98	1.98
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	0.05	0.17	0.23	0.58	0.67	0.67	0.67
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.11	0.14	0.15	0.14	0.12	0.11	0.11 e	0.11
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	-	-	-	-	-	-	-
Liquid fuels	0.11	0.14	0.15	0.14	0.12	0.11	0.11 e	0.11
Natural gas	-	-	-	-	-	-	-	-
Biofuels & waste	-	-	-	-	-	-	-	-
Multi-fired:								
Solid / liquid	-	-	-	-	-	-	-	-
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	-	-	-	-	-	-	-
Solid / liquid / gas	-	-	-	-	-	-	-	-
Type of generation								
Steam	0.02	-	-	-	-	-	-	-
Internal combustion	0.06	0.11	0.11	0.11	0.09	0.08	0.08 e	0.08
Gas turbine	0.04	0.04	0.04	0.04	0.04	0.04	0.04 e	0.04
Combined cycle	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Peak load	0.41	0.67	1.07	1.20	2.18	2.22	2.22 e	2.32
Of which Autoproducers	**0.02**	**0.03**	**0.03**	**0.03**	**-**	**-**	**-**	**-**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.02	0.03	0.03	0.03	-	-	-	-

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Iceland

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***54.8***	***54.5***	***63.4***	***64.5***	***75.5***	***75.4***	***74.8***	***74.8***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*68.8*	*63.5*	*68.2*	*68.9*	*76.3*	*75.0*	*74.0*	*74.1*
Geothermal	*30.4*	*74.5*	*87.8*	*81.6*	*88.6*	*89.4*	*90.0*	*89.9*
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	*17.1*	*30.4*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*7.5*	*0.5*	*0.4*	*0.7*	*0.2*	*0.3*	*0.5 e*	*0.3*
Of which autoproducers	***3.2***	***1.8***	***1.8***	***1.8***	**-**	**-**	**-**	**-**
Nuclear	-	-	-	-	-	-	-	-
Hydro	*15.2*	*11.4*	*11.4*	*11.4*	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*0.8*	*0.4*	*0.4*	*0.4*	-	-	-	-

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Ireland

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**7.86**	**14.52**	**23.98**	**25.97**	**28.69**	**26.14**	**26.31**	**28.66**
- Own use by power plant	0.39	0.87	1.29	1.18	1.24	1.03	1.01	-
Net production	**7.47**	**13.65**	**22.68**	**24.79**	**27.44**	**25.12**	**25.31**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.31	0.41	0.45	0.53	0.29	0.59	0.50	0.53
+ Imports	0.06	-	0.17	2.05	0.76	2.63	2.85	1.75
- Exports	0.07	-	0.07	0.00	0.29	0.38	0.70	1.08
Electrical energy supplied	**7.15**	**13.24**	**22.33**	**26.31**	**27.62**	**26.77**	**26.96**	**..**
- Transmission & distr. losses	0.80	1.28	2.02	2.05	2.12	2.03	2.04	..
- Statistical difference	-	-	-0.09	-0.26	-0.13	0.34	0.60	..
Total consumption	6.35	11.97	20.40	24.52	25.63	24.41	24.31	..
Energy industry consumption[2]	**0.10**	**0.10**	**0.11**	**0.16**	**0.21**	**0.20**	**0.18**	**..**
Coal Mines	0.05	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	0.07	0.05	0.07	0.09	0.09	0.08	..
Gas Works	0.01	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.03	0.03	0.05	0.09	0.11	0.10	0.09	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	0.00	0.01	0.01	0.01	0.02	0.01	..
Final consumption	**6.25**	**11.87**	**20.29**	**24.35**	**25.42**	**24.20**	**24.14**	**..**
Industry	**2.26**	**4.49**	**7.73**	**7.67**	**9.10**	**9.29**	**9.40**	**..**
Iron and steel	0.09	0.24	0.33	0.01	-	-	-	..
Chem. and petrochemical	0.33	0.41	1.34	1.36	1.65	1.69	1.71	..
Non-ferrous metals	-	0.65	0.53	0.45	0.73	0.74	0.75	..
Non-metallic minerals	0.31	0.36	0.59	0.57	0.58	0.59	0.60	..
Transport equipment	0.03	0.05	0.12	0.12	0.19	0.20	0.20	..
Machinery	0.16	0.24	1.05	1.40	1.36	1.38	1.40	..
Mining and quarrying	0.17	0.10	0.46	0.46	0.65	0.67	0.67	..
Food and tobacco	0.52	1.23	1.82	1.86	1.94	1.98	2.00	..
Paper, pulp and printing	0.21	0.11	0.32	0.32	0.21	0.22	0.22	..
Wood and wood products	0.06	0.11	0.34	0.34	0.39	0.40	0.40	..
Construction	0.03	0.02	0.06	0.07	0.07	0.07	0.07	..
Textile and leather	0.20	0.22	0.20	0.18	0.12	0.12	0.12	..
Non specified/other	0.16	0.75	0.58	0.54	1.21	1.24	1.25	..
Transport	**-**	**0.02**	**0.03**	**0.06**	**0.05**	**0.04**	**0.04**	**..**
Rail Transport	-	0.02	0.03	0.06	0.05	0.04	0.04	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**1.28**	**2.80**	**5.59**	**8.47**	**7.17**	**6.37**	**6.44**	**..**
Residential	**2.71**	**4.14**	**6.38**	**7.51**	**8.55**	**7.95**	**7.70**	**..**
Agriculture	**-**	**0.43**	**0.57**	**0.64**	**0.56**	**0.56**	**0.56**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Ireland

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**2.09**	**3.81**	**4.71**	**6.18**	**8.31**	**8.59**	**8.80**	**9.08**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.51	0.51	0.53	0.53	0.53	0.53	0.53	0.53
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	*0.29*	*0.29*	*0.29*	*0.29*	*0.29*	*0.29*	*0.29*	*0.29*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.12	0.52	1.37	1.76	1.94	2.21
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	1.58	3.29	4.06	5.13	6.41	6.30	6.33	6.34
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.41	1.31	1.26	0.36	0.35	0.35	0.35	0.35
Liquid fuels	1.09	0.59	0.84	1.03	1.14	1.15	1.15	1.15
Natural gas	-	0.29	0.35	1.12	1.53	1.55	1.55	1.55
Biofuels & waste	-	-	0.02	0.02	0.04	0.06	0.07	0.08
Multi-fired:								
Solid / liquid	0.09	-	-	0.86	0.85	0.85	0.86	0.86
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	1.10	1.60	1.72	2.50	2.34	2.35	2.36
Solid / liquid / gas	-	-	-	0.01	-	-	-	-
Type of generation								
Steam	-	2.61	2.86	2.77	2.27	2.28	2.29	2.29
Internal combustion	0.06	0.07	0.05	0.06	0.10	0.12	0.14	0.15
Gas turbine	-	0.36	0.42	0.80	1.79	1.80	1.81	1.81
Combined cycle	-	0.26	0.74	1.48	2.24	2.08	2.08	2.09
Other	-	-	-	0.02	0.01	0.02	-	-
Peak load	..	2.60	3.84	4.83	5.09	4.59	4.54	4.54
Of which Autoproducers	**0.06**	**0.07**	**0.13**	**0.15**	**0.31**	**0.33**	**0.34**	**0.34**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.06	0.07	0.13	0.15	0.31	0.33	0.34	0.34

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Ireland

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***42.9***	***43.5***	***58.1***	***48.0***	***39.4***	***36.7***	***33.9***	***33.1***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*22.5*	*21.9*	*24.9*	*21.2*	*16.8*	*21.9*	*20.4*	*21.3*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	*11.4*	*11.4*	*11.4*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*23.4*	*24.6*	*23.4*	*26.0*	*26.7*	*26.5*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*49.5*	*46.9*	*63.4*	*53.1*	*44.7*	*40.9*	*37.3*	*36.4*
Of which autoproducers	***34.3***	***35.1***	***51.6***	***49.6***	***71.7***	***72.9***	***69.4***	***69.0***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	*11.4*	*11.4*	*11.4*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*34.3*	*35.1*	*51.6*	*49.6*	*71.9*	*73.1*	*69.6*	*69.2*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Israel

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**9.16**	**20.90**	**42.66**	**48.60**	**58.59**	**61.32**	**60.81**	**65.23**
- Own use by power plant	0.61	1.28	2.09	4.10	4.88 e	2.14	1.99	-
Net production	**8.55**	**19.62**	**40.57**	**44.50**	**53.72**	**59.18**	**58.82**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	-	-	-	-	-	-	-	-
- Exports	0.07	0.46	1.46	1.67	3.97	4.68	4.84	4.84
Electrical energy supplied	**8.48**	**19.17**	**39.11**	**42.84**	**49.75**	**54.51**	**53.98**	**..**
- Transmission & distr. losses	0.58	0.98	1.44	1.39	1.62 e	2.57	1.74	..
- Statistical difference	-0.00	-	-0.90	-1.04	-0.97	-0.18	0.04	..
Total consumption	7.90	18.18	38.57	42.48	49.10	52.12	52.20	..
Energy industry consumption[2]	**-**	**-**	**-**	**-**	**0.38**	**0.48**	**0.88**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	-	-	-	-	0.38	0.48	0.88	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**7.90**	**18.18**	**38.57**	**42.48**	**48.72**	**51.64**	**51.32**	**..**
Industry	**2.44**	**5.29**	**10.45**	**11.80**	**12.49**	**13.18**	**15.21**	**..**
Iron and steel	-	0.73	1.06	1.13	1.09	0.47 e	0.54	..
Chem. and petrochemical	-	1.42	2.10	2.09	2.40	-	-	..
Non-ferrous metals	-	0.04	-	-	-	-	-	..
Non-metallic minerals	-	0.39	0.74	0.74	0.76	-	-	..
Transport equipment	-	0.21	0.30	0.33	0.38	0.47 e	0.55	..
Machinery	-	0.09	1.04	0.98	0.75	2.62 e	3.02	..
Mining and quarrying	-	0.39	1.57	1.47	1.42	2.30 e	2.65	..
Food and tobacco	-	0.73	1.11	1.27	1.23	1.69 e	1.95	..
Paper, pulp and printing	-	0.20	0.46	0.51	0.67	0.08 e	0.09	..
Wood and wood products	-	0.11	0.12	0.10	0.11	0.61 e	0.70	..
Construction	-	0.05	0.17	0.75	0.82	-	-	..
Textile and leather	-	0.42	0.54	0.57	0.32	0.21 e	0.25	..
Non specified/other	2.44	0.51	1.23	1.86	2.54	4.73 e	5.46	..
Transport	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Rail Transport	-	-	-	-	-	-	-	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**-**	**5.13**	**11.76**	**13.08**	**16.98**	**17.75**	**15.95**	**..**
Residential	**2.17**	**5.32**	**11.57**	**13.72**	**15.30**	**15.66**	**15.98**	**..**
Agriculture	**0.28**	**0.95**	**1.63**	**1.70**	**1.65**	**1.94**	**1.77**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	3.01	1.50	3.17	2.18	2.30	3.11	2.40	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Israel

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	..	**5.07**	**9.13**	**10.61**	**13.06**	**14.41**	**14.99**	**16.22**
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	-	0.01	0.01	0.01	0.01 e	0.01
of which: mixed plants	..	-	-	-	-	-	-	-
of which: pure pumped storage	..	-	-	-	-	-	-	-
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	0.07	0.24	0.48 e	0.68 e
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	0.01	0.01	0.01	0.01	0.01
Other (e.g. fuel cells)	..	-	-	-	0.04	-	-	-
Combustible fuels	..	5.07	9.13	10.59	12.94	14.16	14.49	15.53
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	2.19 e	-	-	-	-	..	..
Liquid fuels	..	2.87 e	4.84 e	4.46 e	0.06	0.06	..	..
Natural gas	..	-	-	-	0.10	0.12	..	..
Biofuels & waste	..	-	-	-	0.05	0.05	..	..
Multi-fired:								
Solid / liquid	..	-	4.29 e	4.84 e	4.84 e	4.84 e	4.84	4.84
Solid / natural gas	..	-	-	-	-	-	..	..
Liquid / natural gas	..	-	- e	1.29 e	7.90 e	9.09 e	9.24	10.22
Solid / liquid / gas	..	-	-	-	-	-	..	..
Type of generation								
Steam	..	4.11	6.48 e	6.93 e	6.76	6.76	6.46	6.46
Internal combustion	..	-	- e	- e	0.03	0.03	0.03	0.03
Gas turbine	..	0.96	2.32 e	2.29 e	3.04	3.30	2.33	2.07
Combined cycle	..	-	0.34 e	1.37 e	2.85	3.71	4.79	6.03
Other	..	-	- e	- e	0.27	0.37	0.88	0.47
Peak load	..	3.80	7.90 e	9.03 e	10.47	11.69	11.64	11.34
Of which Autoproducers	..	**-**	**-**	**0.01**	**0.48**	**0.67**	**0.89**	**1.15**
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	-	-	-	-	- e	-
of which: mixed plants	..	-	-	-	-	-	-	-
of which: pure pumped storage	..	-	-	-	-	-	-	-
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	0.07	0.24	0.48 e	0.68 e
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	0.01	-	-	-	-
Other (e.g. fuel cells)	..	-	-	-	0.01	-	-	-
Combustible fuels	..	-	-	-	0.39	0.43	0.41	0.46

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Israel

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	..	***47.1***	***53.3***	***52.3***	***51.2***	***49.9***	***46.7***	***42.8***
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	-	*63.9*	*50.6*	*53.8*	*32.0 e*	*14.8*
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	*11.4*	*17.8*	*11.7 e*	*14.1* e
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	*20.9*	*15.2*	*11.4*	*11.4*	*11.4*
Other (e.g. fuel cells)	..	-	-	-	*10.4*	-	-	-
Combustible fuels	..	*47.1*	*53.3*	*52.3*	*51.6*	*50.5*	*47.9*	*44.1*
Of which autoproducers	..	**-**	**-**	***843.5***	***41.3***	***25.9***	***29.3***	***33.3***
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	-	-	-	*22.8*	*22.8*	*28.5 e*	*28.5*
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	*11.4*	*17.8*	*11.7 e*	*14.1* e
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	*20.9*	-	-	-	-
Other (e.g. fuel cells)	..	-	-	-	*6.9*	-	-	-
Combustible fuels	..	-	-	-	*47.6*	*30.5*	*49.9*	*61.5*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Italy

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**148.91**	**216.60**	**276.64**	**303.70**	**302.06**	**289.81**	**279.83**	**282.04**
- Own use by power plant	6.64	11.54	13.34	13.07	11.32	10.97	10.68	-
Net production	**142.27**	**205.06**	**263.31**	**290.64**	**290.75**	**278.83**	**269.15**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	2.23	4.78	9.13	9.32	4.45	2.50	2.33	1.85
+ Imports	4.21	35.58	44.83	50.26	45.99	44.34	46.75	50.85
- Exports	1.92	0.92	0.48	1.11	1.83	2.20	3.03	4.47
Electrical energy supplied	**142.33**	**234.94**	**298.52**	**330.47**	**330.45**	**318.48**	**310.54**	**..**
- Transmission & distr. losses	11.37	16.16	19.20	20.63	20.57	21.19	19.45	..
- Statistical difference	-	-	-	-	0.00	-	-0.00	..
Total consumption	130.96	218.78	279.32	309.85	309.88	297.29	291.09	..
Energy industry consumption[2]	**3.28**	**4.15**	**6.34**	**8.97**	**10.57**	**9.89**	**9.59**	**..**
Coal Mines	0.05	0.06	0.02	0.04	0.04	0.04	0.03	..
Oil + Gas Extraction	0.67	0.13	0.20	0.33	0.38	0.36	0.36	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.13	0.17	0.16	0.16	0.18	0.06	0.04	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.06	0.12	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	2.09	2.98	4.30	5.95	5.86	5.38	5.23	..
Nuclear Industry	-	0.01	0.00	0.01	0.01	0.01	0.01	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	0.29	0.68	1.67	2.48	4.10	4.05	3.92	..
Final consumption	**127.68**	**214.63**	**272.98**	**300.88**	**299.31**	**287.40**	**281.50**	**..**
Industry	**80.35**	**110.92**	**141.85**	**144.76**	**127.87**	**114.98**	**112.92**	**..**
Iron and steel	15.90	19.41	20.35	20.40	18.68	18.30	18.36	..
Chem. and petrochemical	19.17	19.82	21.95	19.02	15.54	14.84	14.20	..
Non-ferrous metals	5.92	6.16	5.53	5.64	4.57	2.42	2.52	..
Non-metallic minerals	7.91	11.31	13.70	14.68	11.87	9.46	9.18	..
Transport equipment	2.56	3.79	4.71	4.24	3.79	3.33	3.34	..
Machinery	7.66	14.12	20.45	23.55	21.34	19.79	19.53	..
Mining and quarrying	1.26	1.27	1.05	1.07	0.88	0.68	0.64	..
Food and tobacco	3.88	7.50	11.64	13.00	12.79	11.95	11.97	..
Paper, pulp and printing	4.82	7.12	10.10	10.94	9.76	9.08	8.67	..
Wood and wood products	1.45	1.76	4.04	4.37	3.91	2.98	2.89	..
Construction	0.66	0.96	1.23	1.71	1.75	1.29	1.25	..
Textile and leather	6.85	9.77	11.46	9.12	6.33	5.34	5.24	..
Non specified/other	2.30	7.93	15.65	17.05	16.66	15.52	15.12	..
Transport	**3.88**	**6.73**	**8.51**	**9.92**	**10.67**	**10.78**	**10.46**	**..**
Rail Transport	3.88	4.27	4.50	4.58	4.58	5.03	4.97	..
Pipeline Transport	-	0.47	0.43	0.50	0.48	0.43	0.43	..
Road	-	-	-	-	0.06	0.07	0.07	..
Transport Non Specified	-	1.99	3.59	4.84	5.55	5.25	5.00	..
Commercial & publ. serv.	**14.70**	**40.03**	**56.60**	**73.88**	**85.62**	**88.98**	**88.49**	**..**
Residential	**27.33**	**52.73**	**61.11**	**66.96**	**69.55**	**66.98**	**64.26**	**..**
Agriculture	**1.42**	**4.23**	**4.91**	**5.29**	**5.54**	**5.55**	**5.21**	**..**
Fishing	**-**	**-**	**-**	**0.07**	**0.07**	**0.13**	**0.17**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Italy

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**38.34**	**56.56**	**75.51**	**85.50**	**106.49**	**124.23**	**124.75**	**121.76**
Nuclear	0.55	-	-	-	-	-	-	-
Hydro	14.87	18.77	20.35	20.99	21.52	21.88	22.01	22.10
of which: mixed plants	-	*2.95*	*3.00*	*3.15*	*3.59*	*3.60*	*3.60*	*3.61*
of which: pure pumped storage	-	*3.23*	*3.96*	*3.96*	*3.96*	*3.96*	*3.96*	*3.98*
Geothermal	0.38	0.50	0.59	0.67	0.73	0.73	0.73	0.77
Solar PV	-	-	0.02	0.03	3.47	16.42	18.42	18.61
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.36	1.64	5.79	8.10	8.54	8.68
Other (e.g. fuel cells)	-	-	0.16	0.23	0.32	0.31	0.32	0.33
Combustible fuels	22.54	37.28	54.03	61.93	74.66	76.79	74.73	71.27
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.94	0.03	0.02	0.06	0.03	0.03	0.03	0.03
Liquid fuels	9.52	16.44	14.56	13.03	9.89	9.87	9.73	7.64
Natural gas	0.27	0.49	5.87	15.44	32.93	34.63	33.46	33.29
Biofuels & waste	-	0.13	0.69	1.00	1.72	2.98	3.13	3.12
Multi-fired:								
Solid / liquid	8.01	6.38	7.69	6.34	5.70	5.70	5.67	5.43
Solid / natural gas	-	-	-	1.03	1.37	1.38	1.38	3.23
Liquid / natural gas	3.20	11.20	20.36	22.47	18.92	18.10	17.30	16.34
Solid / liquid / gas	0.60	2.62	4.85	2.56	4.09	4.09	4.03	2.19
Type of generation								
Steam	-	34.76	40.05	32.04	27.91	27.27	26.66	23.73
Internal combustion	-	0.24	0.83	1.10	2.23	3.59	3.77	3.98
Gas turbine	-	2.12	5.31	3.95	3.37	3.45	3.07	2.52
Combined cycle	-	0.12	7.84	24.84	41.15	42.49	41.23	41.04
Other	-	0.05	-	-	-	-	-	-
Peak load	..	36.26	..	55.02	56.43	54.11	53.94	51.55
Of which Autoproducers	**7.70**	**7.42**	**..**	**4.84**	**6.16**	**4.20**	**4.30**	**4.07**
Nuclear	-	-	-	-	-	-	-	-
Hydro	1.97	1.73	..	0.20	0.17	0.13	0.12	0.12
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	..	0.12	0.13	0.13	0.11	0.10
Combustible fuels	5.73	5.69	..	4.52	5.86	3.94	4.07	3.85

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Italy

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***44.3***	***43.7***	***41.8***	***40.6***	***32.4***	***27.5***	***26.5***	***26.2***
Nuclear	*70.7*	-	-	-	-	-	-	-
Hydro	*30.2*	*21.3*	*28.6*	*23.3*	*28.9*	*22.9*	*28.4*	*31.1*
Geothermal	*74.7*	*74.2*	*91.0*	*90.6*	*84.3*	*87.7*	*88.6*	*87.9*
Solar PV	-	*11.4*	*10.8 e*	*10.4*	*6.3*	*13.1*	*13.4*	*13.7*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*7.6*	*17.7*	*16.4*	*18.0*	*18.9*	*19.9*	*20.0*
Other (e.g. fuel cells)	-	-	*56.8*	*54.7*	*27.9*	*27.6*	*27.1*	*22.7*
Combustible fuels	*52.5*	*54.6*	*46.4*	*46.4*	*35.2*	*32.2*	*29.4*	*28.1*
Of which autoproducers	***46.2***	***40.4***	***..***	***46.7***	***44.2***	***43.7***	***42.7***	***44.1***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*43.1*	*37.9*	..	*45.8*	*61.5*	*51.1*	*60.2*	*70.8*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	*34.3*	*11.4*	-	-	-
Other (e.g. fuel cells)	-	-	..	*53.8*	*46.4*	*41.6*	*32.2*	*28.5*
Combustible fuels	*47.2*	*41.2*	..	*46.5*	*43.7*	*43.5*	*42.4*	*43.7*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Japan

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**459.08**	**881.50**	**1099.67**	**1139.25**	**1147.90**	**1065.62**	**1040.68**	**1014.93**
- Own use by power plant	19.01	27.12	33.34	42.92	42.38	37.38	33.80	-
Net production	**440.06**	**854.38**	**1066.33**	**1096.33**	**1105.52**	**1028.25**	**1006.88**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	0.34	1.10	1.15	1.15	1.08	1.08	1.00
- Used for pumped storage	2.07	10.05	14.76	13.46	9.83	7.85	6.86 e	5.93
+ Imports	-	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**437.99**	**843.99**	**1050.47**	**1081.72**	**1094.55**	**1019.32**	**998.94**	**..**
- Transmission & distr. losses	22.05	40.76	46.95	48.19	47.15	47.52	45.41	..
- Statistical difference	-	22.94	22.44	18.77	11.82	-10.47	-11.34	..
Total consumption	415.94	780.29	981.08	1014.75	1035.58	982.27	964.87	..
Energy industry consumption[2]	**6.32**	**9.15**	**12.26**	**13.23**	**14.02**	**13.96**	**13.38**	**..**
Coal Mines	1.59	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	0.95	1.14	1.21	1.71	1.82	1.74	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	4.73	7.18	10.21	11.25	11.60	11.42	10.91	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	1.02	0.91	0.77	0.70	0.72	0.74	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**409.61**	**771.14**	**968.82**	**1001.53**	**1021.57**	**968.32**	**951.49**	**..**
Industry	**282.61**	**423.09**	**399.90**	**376.18**	**336.42**	**298.17**	**295.62**	**..**
Iron and steel	71.82	69.28	66.28	67.59	66.34	66.31	65.80	..
Chem. and petrochemical	49.21	66.22	66.44	60.77	55.63	49.40	48.85	..
Non-ferrous metals	28.31	13.12	12.16	11.60	9.69	9.09	8.58	..
Non-metallic minerals	12.98	34.49	31.42	27.35	23.89	22.09	21.87	..
Transport equipment	9.35	22.68	26.29	29.16	24.73	22.62	22.38	..
Machinery	7.69	77.37	63.23	61.92	50.50	41.10	40.30	..
Mining and quarrying	1.76	4.25	2.27	1.82	1.66	1.75	1.75	..
Food and tobacco	4.67	25.99	31.69	29.50	28.60	23.52	23.57	..
Paper, pulp and printing	19.60	36.34	38.60	36.05	31.53	29.32	28.86	..
Wood and wood products	-	32.89	28.60	20.24	17.26	15.11	15.11	..
Construction	-	10.76	9.47	7.33	9.49	6.99	6.99	..
Textile and leather	5.97	12.14	7.35	5.35	5.45	3.22	3.22	..
Non specified/other	71.26	17.56	16.11	17.50	11.64	7.65	8.35	..
Transport	**13.45**	**16.37**	**18.16**	**19.06**	**18.76**	**17.86**	**17.83**	**..**
Rail Transport	13.45	16.37	18.16	19.06	18.76	17.86	17.83	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**33.55**	**145.79**	**290.76**	**320.05**	**355.01**	**351.21**	**340.63**	**..**
Residential	**78.88**	**184.15**	**257.85**	**283.08**	**305.27**	**285.18**	**273.94**	**..**
Agriculture	**1.12**	**1.28**	**1.43**	**1.38**	**1.95**	**2.39**	**2.39**	**..**
Fishing	**-**	**0.48**	**0.38**	**0.29**	**0.38**	**0.37**	**0.37**	**..**
Sector non specified	-	- e	0.35 e	1.49 e	3.78 e	13.13 e	20.70 e	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Japan

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**104.21**	**194.73**	**260.49**	**277.32**	**287.03**	**295.19**	**302.71**	**315.32**
Nuclear	3.91	31.65	45.25	49.58	48.96	46.15	44.26	44.26
Hydro	23.55	37.83	46.32	47.29	47.74	48.93	48.93	49.60
of which: mixed plants	-	-	-	*5.71*	*5.63*	*5.63*	*5.63*	*5.63*
of which: pure pumped storage	-	*17.01*	*24.31*	*19.45*	*19.75*	*21.12*	*21.12*	*21.72*
Geothermal	0.02	0.27	0.53	0.54	0.54	0.51	0.51	0.51
Solar PV	-	- e	0.33 e	1.42 e	3.62 e	6.63 e	13.60 e	23.34
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.08	1.23	2.29	2.56	2.65	2.75
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	76.74	124.98	167.97	177.27	183.88	190.41	192.76	194.86
of which[2]*:*								
Single-fired:								
Coal and Coal products	8.84	7.66	25.42	34.52	35.94	35.94	35.94	35.94
Liquid fuels	64.80	50.83	51.12	40.68	41.16	41.16	41.16	41.16
Natural gas	3.10	15.62	35.27	39.36	46.68	46.68	46.68	46.68
Biofuels & waste	-	..	..	..	..	..	..	..
Multi-fired:								
Solid / liquid	-	32.81	26.36	24.67	11.30	16.02	18.13	20.00
Solid / natural gas	-	..	..	..	..	..	..	..
Liquid / natural gas	-	..	..	..	..	..	..	..
Solid / liquid / gas	-	..	..	..	..	..	..	..
Type of generation								
Steam	9.67	116.14	140.23	162.66	169.26	171.88	174.36	180.03
Internal combustion	0.77	2.07	4.82	6.61	5.56	5.73	5.74	5.53
Gas turbine	0.22	3.12	5.36	6.50	7.56	11.30	11.15	7.80
Combined cycle	-	3.66	16.24	-	-	-	-	-
Other	-	-	1.32	1.50	1.50	1.50	1.50	1.50
Peak load	..	143.72	173.07	177.70	177.75	155.95	159.07	159.07
Of which Autoproducers	**11.74**	**19.66**	**31.89**	**42.13**	**59.03**	**63.97**	**71.24**	**81.29**
Nuclear	0.01	0.17	0.17	-	-	-	-	-
Hydro	1.07	1.38	1.47	1.40	4.37	4.28	4.26	4.19
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Solar PV	-	- e	0.33	1.42	3.61	6.57	13.53	23.26
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.08	1.22	2.21	2.48	2.56	2.72
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	10.66	18.08	29.81	38.05	48.81	50.61	50.86	51.08

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Japan

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***50.3***	***51.7***	***48.2***	***46.9***	***45.7***	***41.2***	***40.2***	***37.7***
Nuclear	*57.6*	*73.0*	*81.3*	*70.2*	*67.2*	*3.9*	*2.4*	-
Hydro	*41.1*	*28.9*	*23.9*	*20.8*	*21.7*	*19.5*	*19.8*	*20.0*
Geothermal	*57.1*	*73.6*	*71.7*	*68.8*	*56.3*	*58.2*	*57.9*	*57.9*
Solar PV	-	*11.4 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0* e
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*14.7*	*16.3*	*19.7*	*21.0*	*18.5*	*20.9*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*52.7*	*53.1*	*46.0*	*47.8*	*47.1*	*57.0*	*56.3*	*54.0*
Of which autoproducers	***59.6***	***72.0***	***56.9***	***46.1***	***32.1***	***29.1***	***26.9***	***24.8***
Nuclear	-	*60.1*	*49.3*	-	-	-	-	-
Hydro	*65.5*	*58.7*	*58.1*	*53.8*	*43.1*	*43.4*	*43.8*	*45.4*
Geothermal	-	*83.5*	*72.9*	*59.8*	*53.2*	*48.6*	*52.2*	*51.5*
Solar PV	-	*11.4 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0* e
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*14.9*	*16.3*	*20.3*	*21.5*	*18.9*	*21.0*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*59.1*	*73.1*	*57.5*	*48.0*	*33.1*	*30.5*	*29.9*	*29.1*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Korea

Figure 1. Total final consumption by fuel

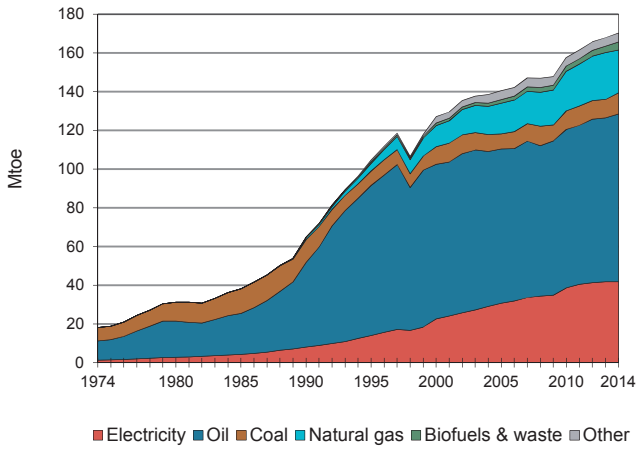


Figure 2. Electricity generation by fuel

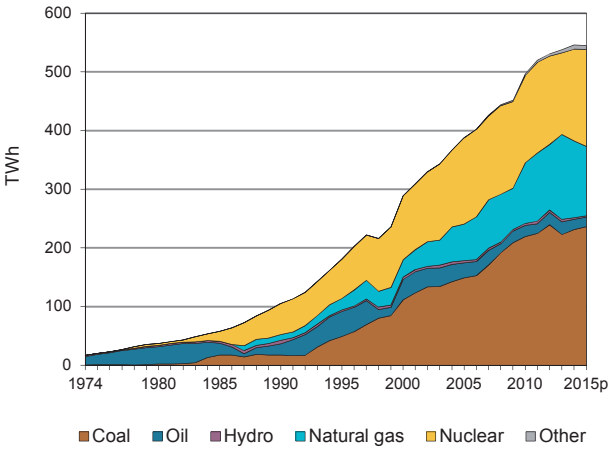


Figure 3. Electricity consumption by sector

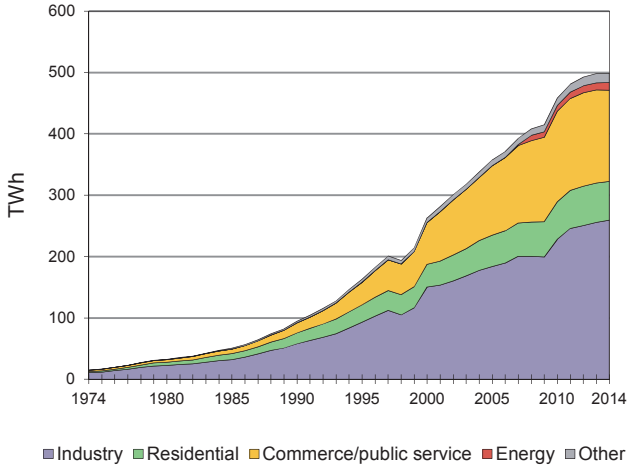


Figure 4. Electricity indicators

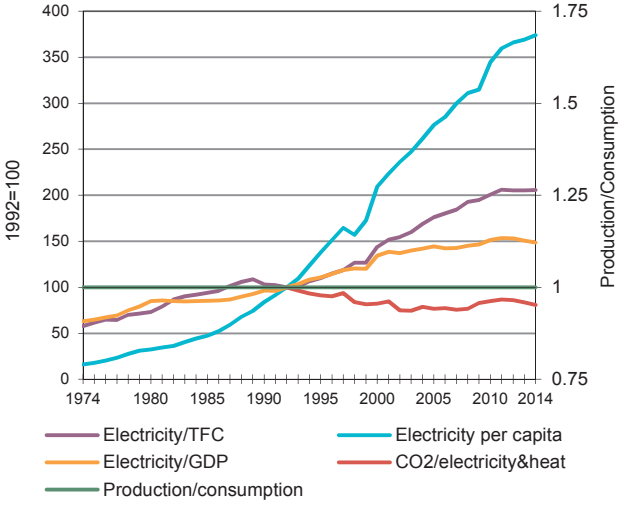
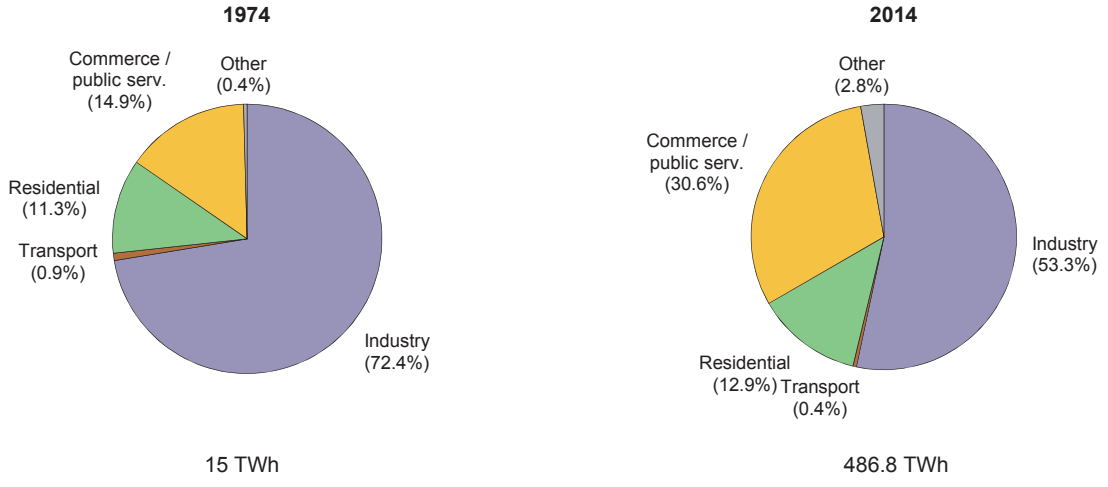


Figure 5. Total final electricity consumption by sector



Korea

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**16.84**	**105.37 e**	**290.13**	**389.39**	**499.51**	**542.00**	**550.93**	**548.69**
- Own use by power plant	0.90 e	5.08	12.44	16.60	19.12	20.53	20.93	-
Net production	**15.94 e**	**100.29 e**	**277.69**	**372.80**	**480.39**	**521.47**	**530.01**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	2.27	2.12	1.98	3.66	5.41	6.64	4.82
+ Imports	-	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**15.94 e**	**98.02 e**	**275.57**	**370.82**	**476.73**	**516.06**	**523.36**	**..**
- Transmission & distr. losses	0.91 e	3.63	12.45	13.73	18.03	18.31	18.27	..
- Statistical difference	-	0.00 e	-	-0.54	0.22	-0.41	6.05	..
Total consumption	15.02	94.38	263.12	357.63	458.47	498.16	499.05	..
Energy industry consumption[2]	**-**	**-**	**-**	**-**	**9.13**	**11.04**	**12.21**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	-	-	-	-	9.13	11.04	12.21	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**15.02**	**94.38**	**263.12**	**357.63**	**449.35**	**487.13**	**486.83**	**..**
Industry	**10.88**	**57.79**	**150.39**	**183.95**	**228.12**	**255.70**	**259.61**	**..**
Iron and steel	1.62	10.06	35.89	43.21	49.27	53.41	55.43	..
Chem. and petrochemical	2.06	10.92	34.04	39.90	40.86	46.92	47.72	..
Non-ferrous metals	-	-	0.31	0.40	8.75	9.10	8.71	..
Non-metallic minerals	1.31	5.63	9.03	9.98	11.75	11.52	11.67	..
Transport equipment	-	-	9.37	14.71	20.21	22.98	24.01	..
Machinery	0.81	12.09	25.14	38.92	59.30	72.35	73.25	..
Mining and quarrying	0.42	1.01	1.00	1.32	1.68	1.48	1.57	..
Food and tobacco	0.80	3.54	6.42	7.65	8.87	10.08	10.18	..
Paper, pulp and printing	0.76	3.88	9.52	10.16	10.20	10.50	10.00	..
Wood and wood products	-	0.62	1.21	1.54	1.77	1.90	1.93	..
Construction	-	-	-	-	-	-	-	..
Textile and leather	1.81	9.51	16.75	14.02	13.05	12.79	12.32	..
Non specified/other	1.28	0.53	1.70	2.14	2.42	2.69	2.82	..
Transport	**0.13**	**1.01**	**2.04**	**2.60**	**2.19**	**2.17**	**2.00**	**..**
Rail Transport	0.13	1.01	2.04	2.60	2.19	2.17	2.00	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**2.24**	**16.39**	**68.29**	**113.19**	**147.71**	**152.21**	**148.74**	**..**
Residential	**1.70**	**17.74**	**37.10**	**50.87**	**61.29**	**63.99**	**62.93**	**..**
Agriculture	**0.07**	**1.46**	**5.31**	**5.29**	**8.00**	**10.66**	**10.78**	**..**
Fishing	**-**	**-**	**-**	**1.72**	**2.04**	**2.40**	**2.78**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Korea

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**-**	**2.34**	**53.69**	**66.54**	**84.70 e**	**87.82**	**91.49**	**99.83**
Nuclear	-	-	13.72	17.18	17.72	20.72	20.72	20.72
Hydro	-	2.34	3.15	3.88	5.53	6.45	6.45	6.47
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	*1.00*	*1.60*	*2.30*	*3.90*	*4.70*	*4.70*	*4.70*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	0.01 e	0.65	1.02	1.56	2.48
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	0.26	0.26
Wind	-	-	0.01	0.10 e	0.38	0.46	0.58	0.61
Other (e.g. fuel cells)	-	-	-	-	0.04	0.09 e	0.13	0.18
Combustible fuels	-	..	36.82	45.37	60.39 e	59.09	61.80	69.12
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	..	12.83 e	19.74	28.29	29.13	29.30	32.56
Liquid fuels	-	..	8.53 e	7.04	6.85	6.98	5.84	4.78
Natural gas	-	..	6.40 e	17.03	23.90	22.66	26.30	31.21
Biofuels & waste	-	..	0.48 e	0.08	0.23	0.32	0.35	0.57
Multi-fired:								
Solid / liquid	-	..	1.61 e	1.44	1.13 e	..	..	-
Solid / natural gas	-	-	-	-	-	..	..	-
Liquid / natural gas	-	..	6.97 e	0.04	-	..	..	-
Solid / liquid / gas	-	-	-	-	-	..	..	-
Type of generation								
Steam	-	..	24.93 e	29.22	38.50	38.58	38.05	40.52
Internal combustion	-	..	0.27	0.36	0.38	0.37	0.40	0.40
Gas turbine	-	-	-	0.17	0.26	0.25	0.30	0.31
Combined cycle	-	..	11.62 e	15.61	21.26 e	19.89	23.05	27.90
Other	-	-	-	-	-	-	-	-
Peak load	..	..	41.01	54.63	71.31	75.99	76.52 e	80.15
Of which Autoproducers	**-**	**-**	**5.24**	**5.82**	**5.60**	**6.81**	**6.34**	**7.72**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	0.01 e	0.12	0.34	0.48	0.69
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.01	-	-	0.02	0.02	0.01
Other (e.g. fuel cells)	-	-	-	-	-	-	0.01	0.02
Combustible fuels	-	..	5.23	5.81	5.48	6.45	5.84	7.00

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Korea

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	**- e**	***513.8 e***	***61.7***	***66.8***	***67.3 e***	***69.5***	***67.6***	***63.0***
Nuclear	-	-	*90.7*	*97.6*	*95.8*	*82.8*	*76.5*	*86.2*
Hydro	-	*31.0*	*20.3*	*15.3*	*13.4*	*13.6*	*14.9*	*13.8*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	*11.4*	*14.3*	*12.2 e*	*13.6*	*12.3*	*11.8*	*11.8*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	*21.7*	*22.0*
Wind	-	-	*27.7 e*	*15.0 e*	*24.4*	*22.6*	*22.8*	*21.4*
Other (e.g. fuel cells)	-	-	-	-	*60.8*	*51.2 e*	*49.3*	*60.8*
Combustible fuels	*- e*	..	*54.4*	*59.7*	*64.7 e*	*72.3*	*72.2*	*63.0*
Of which autoproducers	**- e**	***67260.3 e***	***60.4***	***52.2***	***58.1***	***51.9***	***50.7***	***48.8***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	*11.4*	*14.3*	*12.3 e*	*8.7*	*7.0*	*6.8*	*6.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*13.1 e*	*19.0*	*19.0*	*0.5*	*7.1*	*15.7*
Other (e.g. fuel cells)	-	-	-	-	*205.5*	-	*19.6*	*14.3*
Combustible fuels	*- e*	..	*60.5*	*52.2*	*58.8*	*54.2*	*54.2*	*52.9*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Luxembourg

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**2.08**	**1.38**	**1.17**	**4.13**	**4.59**	**2.89**	**2.97**	**2.74**
- Own use by power plant	0.07	0.04	0.04	0.03	0.03	0.03	0.03	-
Net production	**2.01**	**1.33**	**1.13**	**4.11**	**4.56**	**2.86**	**2.94**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	1.16	1.05	1.01	1.11	1.91	1.47	1.50	1.95
+ Imports	3.53	4.68	6.45	6.39	7.28	6.85	6.96	7.52
- Exports	0.85	0.75	0.74	3.13	3.22	1.91	2.07	1.92
Electrical energy supplied	**3.53**	**4.22**	**5.83**	**6.26**	**6.71**	**6.34**	**6.34**	**..**
- Transmission & distr. losses	0.11	0.09	0.04	0.12	0.12	0.12	0.12	..
- Statistical difference	-	-0.02	0.01	-0.00	-0.02	0.01	-0.01	..
Total consumption	3.42	4.15	5.78	6.15	6.61	6.21	6.23	..
Energy industry consumption[2]	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	-	-	-	-	-	-	-	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**3.42**	**4.15**	**5.78**	**6.15**	**6.61**	**6.21**	**6.23**	**..**
Industry	**2.76**	**2.81**	**3.24**	**3.43**	**3.63**	**3.05**	**3.18**	**..**
Iron and steel	2.01	1.19	1.84	1.70	2.32	1.50	1.55	..
Chem. and petrochemical	0.46	-	0.28	0.53	0.35	0.44	0.46	..
Non-ferrous metals	0.00	-	-	-	-	-	-	..
Non-metallic minerals	0.05	-	0.38	0.21	0.13	0.25	0.26	..
Transport equipment	-	-	0.01	0.02	0.03	0.01	0.01	..
Machinery	0.04	-	0.10	0.14	0.15	0.10	0.10	..
Mining and quarrying	0.05	-	0.01	0.01	0.01	0.01	0.01	..
Food and tobacco	0.03	-	0.15	0.17	0.15	0.16	0.16	..
Paper, pulp and printing	-	-	0.10	0.15	0.07	0.04	0.04	..
Wood and wood products	-	-	0.02	0.02	0.02	0.01	0.01	..
Construction	-	-	0.14	0.26	0.17	0.13	0.14	..
Textile and leather	0.02	-	0.17	0.16	0.14	0.09	0.12	..
Non specified/other	0.10	1.62	0.05	0.08	0.12	0.31	0.31	..
Transport	**0.04**	**0.06**	**0.06**	**0.09**	**0.12**	**0.13**	**0.12**	**..**
Rail Transport	0.04	0.06	0.06	0.09	0.12	0.13	0.12	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**-**	**0.64**	**1.65**	**1.75**	**2.00**	**2.01**	**1.95**	**..**
Residential	**0.25**	**0.58**	**0.79**	**0.85**	**0.82**	**0.98**	**0.94**	**..**
Agriculture	**-**	**0.07**	**0.03**	**0.03**	**0.04**	**0.04**	**0.04**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	0.38	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Luxembourg

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**1.08**	**1.24**	**1.22**	**1.68**	**1.71**	**1.79**	**1.81**	**2.02**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.91	1.13	1.13	1.13	1.13	1.13	1.13	1.33
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	*1.10*	*1.10*	*1.10*	*1.10*	*1.10*	*1.10*	*1.30*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	0.02	0.03	0.08	0.10	0.11
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.01	0.04	0.04	0.06	0.06	0.06
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.17	0.11	0.07	0.49	0.50	0.52	0.53	0.52
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.05	0.03	-	-	-	-	-	-
Liquid fuels	0.02	0.01	-	-	-	-	-	-
Natural gas	-	-	0.06	0.48	0.49	0.49	0.49	0.49
Biofuels & waste	-	0.01	0.01	0.01	0.02	0.03	0.03	0.03
Multi-fired:								
Solid / liquid	-	-	-	-	-	-	-	-
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	-	-	-	-	-	-	-
Solid / liquid / gas	0.10	0.06	-	-	-	-	-	-
Type of generation								
Steam	-	0.10	0.01	0.01	0.01	0.02	0.02	0.02
Internal combustion	-	0.01	0.03	0.08	0.10	0.10	0.10	0.10
Gas turbine	-	-	0.03	0.40	0.40	0.40	0.40	0.40
Combined cycle	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Peak load	..	..	0.59	1.04	1.12	1.02	1.01	1.04
Of which Autoproducers	**0.17**	**0.10**	**0.02**	**0.08**	**0.09**	**0.14**	**0.16**	**0.17**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	0.02	0.03	0.08	0.10	0.11
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.17	0.10	0.02	0.05	0.06	0.06	0.06	0.06

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Luxembourg

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***22.1***	***12.7***	***11.0***	***28.0***	***30.6***	***24.4***	***18.2***	***16.8***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*11.6*	*8.3*	*8.8*	*8.8*	*14.8*	*11.7*	*11.7*	*10.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	*8.6*	*8.3*	*5.8*	*8.9*	*9.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*22.0*	*17.0*	*14.3*	*15.2*	*16.3*	*15.8*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*77.4*	*59.7*	*44.2*	*74.3*	*69.0*	*55.6*	*34.1*	*35.4*
Of which autoproducers	***77.4***	***59.1***	***25.2***	***30.3***	***26.8***	***18.9***	***19.4***	***18.1***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	*34.3*	*68.5*	*28.5*	*45.7*	*28.5*	*34.3*	*34.3*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	*8.6*	*8.3*	*5.8*	*8.9*	*9.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*77.4*	*59.4*	*23.3*	*41.0*	*35.0*	*35.2*	*35.8*	*32.9*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Mexico

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**40.98**	**115.84**	**205.68**	**250.72**	**275.54**	**297.33**	**301.50**	**307.42**
- Own use by power plant	1.48	5.83	10.57	14.85	11.20	10.24	11.45	-
Net production	**39.51**	**110.01**	**195.10**	**235.87**	**264.34**	**287.09**	**290.05**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	0.35	0.58	1.07	0.12	0.40	1.21	2.12	2.44
- Exports	-	1.95	0.20	1.79	1.35	1.24	2.65	9.16
Electrical energy supplied	**39.86**	**108.64**	**195.98**	**234.19**	**263.39**	**287.06**	**289.52**	**..**
- Transmission & distr. losses	4.97	14.99	28.48	37.42	44.25	42.52	41.32	..
- Statistical difference	-	-6.54	19.16	2.22	-1.96	-1.96	-8.58	..
Total consumption	34.89	100.19	148.34	194.56	221.09	246.50	256.78	..
Energy industry consumption[2]	**-**	**-**	**2.99**	**4.89**	**5.40**	**5.03**	**4.56**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	0.86	2.28	2.89	2.75	2.70	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	-	-	2.13	2.60	2.51	2.29	1.86	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**34.89**	**100.19**	**145.35**	**189.67**	**215.69**	**241.47**	**252.22**	**..**
Industry	**18.91**	**53.39**	**82.66**	**109.33**	**122.71**	**137.39**	**142.33**	**..**
Iron and steel	-	8.19	7.48	6.80	6.07	6.00	5.52	..
Chem. and petrochemical	-	8.89	6.08	6.20	6.34	6.18	6.90	..
Non-ferrous metals	-	1.20	1.16	0.82	0.71	0.86	0.84	..
Non-metallic minerals	-	3.41	10.46	10.31	10.01	11.20	10.35	..
Transport equipment	-	0.74	1.32	1.74	1.98	2.19	2.37	..
Machinery	-	-	-	-	-	-	-	..
Mining and quarrying	-	4.74	5.72	5.28	7.31	10.08	9.54	..
Food and tobacco	-	0.55	1.13	1.64	1.74	1.94	2.00	..
Paper, pulp and printing	-	2.57	2.44	3.07	2.68	2.86	2.94	..
Wood and wood products	-	-	0.08	0.02	0.07	0.07	0.07	..
Construction	-	0.30	0.40	0.43	0.46	0.49	0.51	..
Textile and leather	-	-	-	-	0.07	0.07	0.07	..
Non specified/other	18.91	22.82	46.40	73.03	85.28	95.47	101.22	..
Transport	**0.36**	**0.80**	**1.10**	**1.09**	**1.19**	**1.13 e**	**1.13**	**..**
Rail Transport	0.36	0.80	1.10	1.09	1.19	1.13 e	1.13	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**5.21**	**10.87**	**17.56**	**19.44**	**20.70**	**23.00**	**22.94**	**..**
Residential	**5.51**	**20.39**	**36.13**	**42.53**	**48.70**	**52.37**	**53.91**	**..**
Agriculture	**2.07**	**6.71**	**7.90**	**8.07**	**8.60**	**10.28**	**10.03**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	2.83	8.03	-	9.21	13.79	17.29	21.88	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Mexico

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**9.92**	**27.37**	**40.35**	**52.50**	**61.39**	**64.08**	**64.09**	**66.24**
Nuclear	-	0.68	1.37	1.37	1.37	1.40	1.40	1.40
Hydro	3.55	7.84	9.65	10.60	11.60	11.63	11.63	12.46
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	0.08	0.70	0.86	0.96	0.97	0.82	0.82	0.81
Solar PV	-	-	0.01	0.02	0.03	0.05	0.07	0.10
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.02	0.02	0.52	1.82	2.12	2.57
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	6.29	18.16	28.44	39.54	46.91	48.36	48.05	48.89
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	1.20	2.60	2.60	2.66	2.68	2.69	2.70
Liquid fuels	1.52	11.79	11.42	7.87	9.36	9.66	9.86	9.97
Natural gas	-	4.55	4.89	16.15	19.85	20.82	20.52	20.62
Biofuels & waste	-	0.05	0.04	0.07	0.05	0.06	0.09	0.10
Multi-fired:								
Solid / liquid	-	0.41	2.51	2.53	3.21	3.47	3.31	3.35
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	0.15	6.98	10.33	11.79	11.68	11.59	12.15
Solid / liquid / gas	-	-	-	-	-	-	-	-
Type of generation								
Steam	4.35	13.42	19.83	18.72	19.98	19.15	19.22	19.46
Internal combustion	0.81	0.15	0.40	0.94	1.22	1.20	1.17	1.25
Gas turbine	0.97	2.79	3.97	4.63	4.56	4.91	4.53	4.95
Combined cycle	0.13	1.80	3.66	14.35	20.56	22.50	22.53	22.65
Other	0.03	-	0.58	0.91	0.60	0.60	0.60	0.60
Peak load	..	..	27.38	32.32	39.85	40.40	39.02	40.27
Of which Autoproducers	**1.55**	**2.07**	**3.65**	**5.96**	**8.80**	**11.74**	**10.60**	**11.86**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.03	0.03	0.03	0.06	0.09	0.13	0.12	0.20
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.02	0.03	0.05	0.06	0.09
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.02	0.02	0.43	1.22	1.52	1.97
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	1.52	2.04	3.59	5.87	8.24	10.35	8.89	9.60

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Mexico

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***47.2***	***48.3***	***58.2***	***54.5***	***51.2***	***54.7***	***53.0***	***52.0***
Nuclear	-	*49.7*	*68.8*	*90.4*	*49.2*	*71.5*	*96.2*	*78.9*
Hydro	*53.7*	*34.2*	*39.2*	*29.8*	*36.6*	*31.3*	*27.5*	*35.6*
Geothermal	*70.5*	*83.6*	*78.8*	*86.8*	*78.3*	*80.6*	*84.2*	*84.3*
Solar PV	-	-	*5.7*	*6.4*	*12.2*	*14.9*	*18.1*	*25.5*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*3.8*	*12.8*	*12.1*	*27.3*	*23.2*	*22.5*	*28.6*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*43.2*	*53.0*	*63.6*	*59.2*	*54.7*	*60.7*	*58.7*	*56.1*
Of which autoproducers	***22.0***	***0.8***	***41.0***	***60.8***	***42.8***	***43.8***	***41.5***	***41.6***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*40.7*	*48.4*	*19.5*	*8.8*	*47.7*	*50.5*	*51.4*	*43.8*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*5.7*	*6.4*	*12.2*	*16.3*	*17.4*	*25.5*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*3.8*	*8.4*	*10.0*	*28.2*	*18.2*	*17.8*	*25.2*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*21.6*	-	*41.5*	*61.6*	*43.6*	*46.8*	*45.6*	*45.1*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Netherlands

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**54.76**	**71.94**	**89.63**	**99.92**	**119.27**	**101.74**	**103.42**	**110.00**
- Own use by power plant	1.54	2.52	3.63	4.32	4.44	4.80	4.64	-
Net production	**53.22**	**69.42**	**86.00**	**95.60**	**114.83**	**96.94**	**98.77**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	0.01	9.68	22.95	23.69	15.58	33.25	32.86	30.76
- Exports	1.49	0.47	4.03	5.40	12.81	15.02	18.13	22.01
Electrical energy supplied	**51.74**	**78.62**	**104.91**	**113.89**	**117.60**	**115.17**	**113.50**	**..**
- Transmission & distr. losses	2.69	3.13	4.92	5.41	5.63	5.13	4.93	..
- Statistical difference	-	-0.01	0.98	-0.26	-0.58	0.02	1.35	..
Total consumption	49.06	75.51	99.02	108.74	112.55	110.03	107.22	..
Energy industry consumption[2]	**1.68**	**2.00**	**3.51**	**4.08**	**4.55**	**5.65**	**5.59**	**..**
Coal Mines	0.29	-	-	-	-	-	-	..
Oil + Gas Extraction	0.20	0.13	0.85	1.24	1.65	2.71	2.60	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.08	0.12	0.08	0.09	0.08	0.09	0.09	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	1.10	1.75	2.46	2.60	2.66	2.63	2.66	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	0.02	-	0.13	0.15	0.17	0.23	0.24	..
Final consumption	**47.38**	**73.51**	**95.50**	**104.67**	**108.00**	**104.37**	**101.63**	**..**
Industry	**24.53**	**33.24**	**40.85**	**41.80**	**39.46**	**34.97**	**33.29**	**..**
Iron and steel	2.17	2.27	2.62	2.72	2.64	2.65	2.70	..
Chem. and petrochemical	9.40	11.63	12.09	12.88	13.46	12.62	12.21	..
Non-ferrous metals	4.54	5.29	5.95	6.33	4.78	2.84	1.63	..
Non-metallic minerals	1.05	1.50	1.69	1.44	1.46	1.22	1.17	..
Transport equipment	-	0.51	0.64	0.58	0.71	0.55	0.55	..
Machinery	2.04	3.08	3.55	3.57	3.42	2.69	2.85	..
Mining and quarrying	0.00	0.11	0.23	0.19	0.44	0.25	0.20	..
Food and tobacco	2.31	4.64	6.38	6.57	6.37	6.19	6.34	..
Paper, pulp and printing	1.79	2.90	3.80	3.64	2.69	2.56	2.30	..
Wood and wood products	0.19	0.25	0.29	0.24	0.24	0.17	0.20	..
Construction	0.25	0.43	1.03	0.97	1.01	0.94	0.87	..
Textile and leather	0.64	0.52	0.55	0.41	0.39	0.38	0.34	..
Non specified/other	0.15	0.11	2.03	2.27	1.86	1.93	1.93	..
Transport	**0.90**	**1.27**	**1.64**	**1.62**	**1.76**	**1.75**	**1.72**	**..**
Rail Transport	0.90	1.27	1.63	1.61	1.75	1.72	1.65	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	0.01	0.01	0.01	0.03	0.07	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**10.70**	**20.12**	**28.80**	**33.70**	**36.77**	**36.24**	**35.51**	**..**
Residential	**11.24**	**16.50**	**20.02**	**21.80**	**22.99**	**23.45**	**22.90**	**..**
Agriculture	**-**	**2.38**	**4.20**	**5.75**	**6.93**	**7.86**	**8.13**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	0.10	0.10	0.10	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Netherlands

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**13.56**	**17.56**	**21.06**	**21.80**	**26.69**	**29.92**	**30.54**	**31.76**
Nuclear	0.50	0.51	0.45	0.45	0.51	0.51	0.49	0.49
Hydro	-	0.04	0.04	0.04	0.04	0.04	0.04	0.04
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.05	0.09	0.37	0.75	1.05
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.05	0.45	1.22	2.24	2.43	2.71	2.87
Other (e.g. fuel cells)	-	-	0.05	0.07	0.07	0.06	0.04	0.04
Combustible fuels	13.06	16.96	20.07	19.97	23.74	26.52	26.52	27.29
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.79	-	-	-	-	-	-	-
Liquid fuels	1.11	0.04	0.02 e	0.02	..	..	..	..
Natural gas	1.45	3.19	11.96 e	9.43	..	..	..	..
Biofuels & waste	-	-	-	-	-	-	-	-
Multi-fired:								
Solid / liquid	0.52	1.71	0.60 e	0.60	..	..	..	..
Solid / natural gas	0.56	2.06	3.57 e	3.57	..	..	..	..
Liquid / natural gas	8.29	9.97	3.91 e	3.69	..	..	..	..
Solid / liquid / gas	0.34	-	-	-	-	-	-	-
Type of generation								
Steam	-	13.85	10.95	9.76	8.86	8.36	8.03	8.50
Internal combustion	-	0.27	1.53	1.68	3.65	3.61	3.54	3.54
Gas turbine	-	1.11	1.33	1.19	1.32	1.42	1.28	1.16
Combined cycle	-	1.71	6.27	7.34	9.92	13.13	13.67	14.09
Other	-	0.03	-	-	-	-	-	-
Peak load	..	10.76	..	15.22	17.48	16.83	16.66	16.50
Of which Autoproducers	**1.56**	**2.25**	**2.92**	**3.24**	**5.35**	**6.21**	**6.40**	**6.79**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.05	0.09	0.35	0.73	1.02
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.01	0.13	0.41	0.46	0.50	0.51	0.54
Other (e.g. fuel cells)	-	-	0.03	0.05	0.05	0.04	0.03	0.03
Combustible fuels	1.56	2.24	2.75	2.73	4.75	5.32	5.13	5.19

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Netherlands

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***46.1***	***46.8***	***48.6***	***52.3***	***51.0***	***39.4***	***38.0***	***37.2***
Nuclear	*74.5*	*78.7*	*99.8*	*101.6*	*88.8*	*87.6*	*68.1*	*96.3*
Hydro	-	*26.2*	*43.8*	*27.2*	*32.4*	*32.1*	*35.2*	*34.6*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*7.0*	*7.8*	*7.1*	*7.0*	*7.5*	*8.6*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*12.8*	*21.2*	*19.3*	*20.4*	*23.4*	*23.7*	*23.1*
Other (e.g. fuel cells)	-	-	*61.3*	*41.5*	*24.8*	*29.4*	*37.0*	*40.4*
Combustible fuels	*45.0*	*46.0*	*48.1*	*53.4*	*53.4*	*40.4*	*39.8*	*38.7*
Of which autoproducers	***45.2***	***62.1***	***54.4***	***54.3***	***51.4***	***46.2***	***43.9***	***36.9***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*7.0*	*7.9*	*7.1*	*6.9*	*7.4*	*8.6*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*12.5*	*21.1*	*20.0*	*18.0*	*20.9*	*22.5*	*21.4*
Other (e.g. fuel cells)	-	-	*55.6*	*46.8*	*28.4*	*40.4*	*50.2*	*43.2*
Combustible fuels	*45.2*	*62.4*	*56.1*	*60.4*	*55.7*	*51.3*	*51.2*	*44.1*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

New Zealand

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**18.83**	**32.27**	**39.25**	**42.97**	**44.88**	**43.27**	**43.55**	**44.20**
- Own use by power plant	0.25	0.81	1.18	1.45	1.42	1.38	1.31	-
Net production	**18.57**	**31.46**	**38.07**	**41.52**	**43.46**	**41.88**	**42.24**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	-	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**18.57**	**31.46**	**38.07**	**41.52**	**43.46**	**41.88**	**42.24**	**..**
- Transmission & distr. losses	2.31	2.39	3.05	2.98	3.10	2.89	2.85	..
- Statistical difference	-0.01	0.56	0.25	0.06	0.65	0.16	0.16	..
Total consumption	16.27	28.52	34.78	38.48	39.70	38.84	39.23	..
Energy industry consumption[2]	**0.02**	**0.30**	**0.52**	**0.45**	**0.55**	**0.61**	**0.60**	**..**
Coal Mines	0.02	0.03	0.05	0.05	0.08	0.06	0.05	..
Oil + Gas Extraction	-	0.02	0.05	0.01	0.02	0.08	0.08	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	-	0.21	0.25	0.27	0.32	0.32	0.32	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	0.05	0.16	0.13	0.13	0.17	0.15	..
Final consumption	**16.25**	**28.22**	**34.26**	**38.02**	**39.16**	**38.22**	**38.64**	**..**
Industry	**5.79**	**11.20**	**14.03**	**15.31**	**14.73**	**13.82**	**13.88**	**..**
Iron and steel	2.12	1.09	1.30	1.44	1.48	0.85	0.55	..
Chem. and petrochemical	0.21	0.30	0.41	0.48	0.38	0.43	0.42	..
Non-ferrous metals	-	4.38	5.05	5.27	5.27	5.76	6.04	..
Non-metallic minerals	0.23	0.21	0.26	0.25	0.25	0.55	0.40	..
Transport equipment	-	0.08	0.07	0.06	0.03	0.03	0.02	..
Machinery	0.30	0.23	0.20	0.26	0.15	0.12	0.14	..
Mining and quarrying	0.08	0.15	0.24	0.27	0.32	0.33	0.32	..
Food and tobacco	0.87	1.52	1.88	2.29	2.26	2.20	2.32	..
Paper, pulp and printing	-	2.59	3.00	3.08	1.93	1.37	1.28	..
Wood and wood products	1.55	0.17	0.86	1.05	1.79	1.32	1.35	..
Construction	0.07	0.02	0.20	0.24	0.17	0.26	0.35	..
Textile and leather	0.21	0.24	0.19	0.18	0.12	0.10	0.10	..
Non specified/other	0.14	0.23	0.39	0.45	0.57	0.52	0.58	..
Transport	**0.04**	**0.06**	**0.07**	**0.06**	**0.06**	**0.06**	**0.06**	**..**
Rail Transport	0.04	-	-	-	-	-	-	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	0.06	0.07	0.06	0.06	0.06	0.06	..
Commercial & publ. serv.	**2.51**	**5.32**	**6.85**	**8.18**	**9.05**	**9.33**	**9.35**	**..**
Residential	**7.55**	**10.19**	**11.26**	**12.14**	**12.72**	**12.33**	**12.36**	**..**
Agriculture	**0.37**	**0.66**	**1.24**	**1.40**	**1.99**	**2.31**	**2.67**	**..**
Fishing	**-**	**0.03**	**0.06**	**0.08**	**0.14**	**0.07**	**0.05**	**..**
Sector non specified	-	0.77	0.77	0.85	0.47	0.31	0.27	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

New Zealand

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**4.60**	**7.18**	**8.39**	**8.85**	**9.46**	**9.62**	**9.46**	**9.70**
Nuclear	-	-	-	-	-	-	-	-
Hydro	3.48	4.62	5.19	5.35	5.25	5.25	5.26	5.26
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	0.16	0.26	0.42	0.43	0.73	0.73	0.81	0.98
Solar PV	-	-	-	-	-	-	0.01	0.02
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.04	0.17	0.52	0.62	0.62	0.68
Other (e.g. fuel cells)	-	-	-	0.02	0.02	0.02	0.02	0.02
Combustible fuels	0.96	2.30	2.74	2.89	2.93	2.99	2.74	2.74
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.20	0.11	0.11	0.01	0.01	0.01	0.01	0.01
Liquid fuels	0.24	0.34	-	0.16	0.16	0.16	0.16	0.16
Natural gas	0.18	0.20	1.53	1.13	1.49	1.80	1.80	1.80
Biofuels & waste	-	-	0.10	0.07	0.08	0.08	0.08	0.08
Multi-fired:								
Solid / liquid	-	-	-	-	-	-	-	-
Solid / natural gas	-	0.98	1.00	0.15	0.15	0.15	0.15	0.15
Liquid / natural gas	0.35	0.67	-	0.37	0.05	0.05	0.05	0.05
Solid / liquid / gas	-	-	-	1.00	1.00	0.75	0.50	0.50
Type of generation								
Steam	-	1.78	1.87	1.54	1.53	1.28	1.03	1.03
Internal combustion	-	0.01	0.04	0.03	0.04	0.05	0.05	0.05
Gas turbine	-	0.50	0.48	0.54	0.23	0.53	0.53	0.53
Combined cycle	-	-	0.35	0.78	1.14	1.14	1.14	1.14
Other	-	-	-	-	-	-	-	-
Peak load	..	5.12	5.57	6.08	6.33	6.42	6.43	6.43
Of which Autoproducers	**-**	**-**	**0.24**	**0.26**	**0.25**	**0.26**	**0.26**	**0.27**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	0.01	0.01	0.01	0.01	0.01	0.01
Solar PV	-	-	-	-	-	-	0.01	0.02
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	0.02	0.02	0.02	0.02	0.02
Combustible fuels	-	-	0.23	0.23	0.22	0.22	0.22	0.22

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

New Zealand

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***46.7***	***51.3***	***53.4***	***55.4***	***54.2***	***52.5***	***52.2***	***51.2***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*46.6*	*57.3*	*53.7*	*49.8*	*53.7*	*49.8*	*50.0*	*52.8*
Geothermal	*92.3*	*93.2*	*79.8*	*83.3*	*91.9*	*96.7*	*90.1*	*84.6*
Solar PV	-	-	-	-	-	*14.3*	*11.4*	*9.6*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*38.1*	*41.7*	*35.6*	*38.0*	*37.1*	*37.0*
Other (e.g. fuel cells)	-	-	-	*44.0*	*36.7*	*22.8*	*21.0*	*21.0*
Combustible fuels	*39.6*	*34.2*	*48.8*	*62.5*	*49.0*	*49.8*	*48.9*	*40.4*
Of which autoproducers	**-**	**-**	***75.2***	***60.7***	***63.2***	***61.5***	***62.3***	***59.1***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	*57.1*	*45.7*	*49.5*	*49.5*	*49.5*
Geothermal	-	-	*48.0*	*88.5*	*77.1*	*81.3*	*81.3*	*81.3*
Solar PV	-	-	-	-	-	*14.3*	*11.4*	*9.6*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	*44.0*	*36.7*	*22.8*	*21.0*	*21.0*
Combustible fuels	-	-	*73.1*	*61.3*	*65.2*	*65.1*	*67.0*	*66.0*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Norway

Figure 1. Total final consumption by fuel

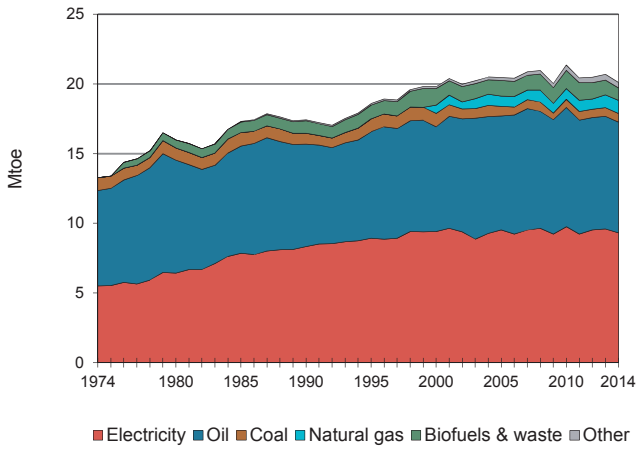


Figure 2. Electricity generation by fuel

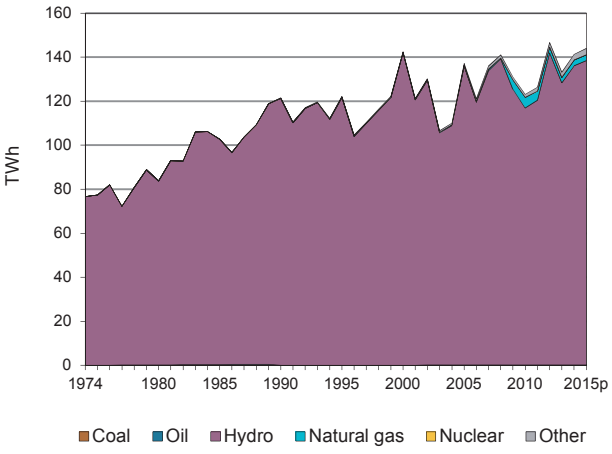


Figure 3. Electricity consumption by sector

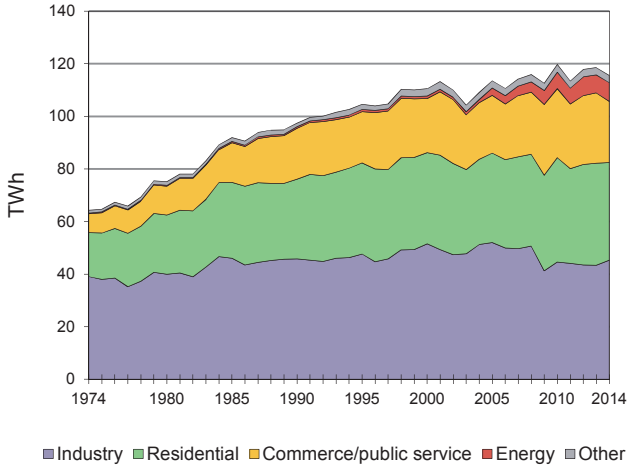


Figure 4. Electricity indicators

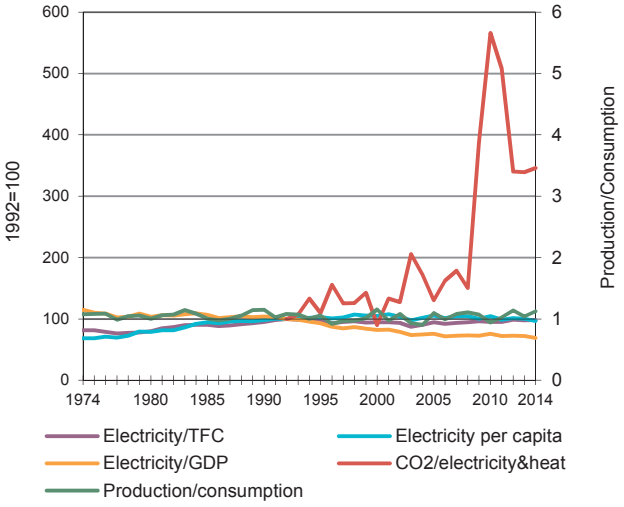
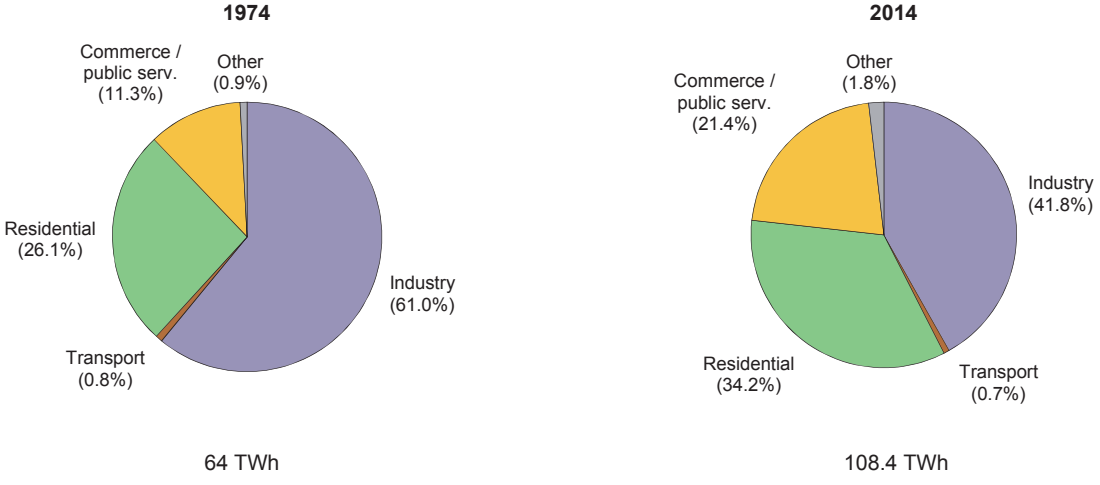


Figure 5. Total final electricity consumption by sector



Norway

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**76.70**	**121.85**	**142.98**	**138.01**	**123.64**	**133.98**	**142.33**	**145.02**
- Own use by power plant	0.55	1.02	0.67	0.64	0.57	0.62	0.71	-
Net production	**76.15**	**120.83**	**142.32**	**137.37**	**123.07**	**133.36**	**141.62**	**-**
- Used for heat pumps	-	0.01	0.04	0.07	0.18	0.23	0.20	0.17
- Used for electric boilers	-	0.32	0.38	0.63	0.67	0.77	0.66	0.67
- Used for pumped storage	0.07	0.34	0.66 e	1.09	0.57	0.78	1.03	1.57
+ Imports	0.06	0.33	1.47	3.65	14.67	10.14	6.35	7.37
- Exports	5.61	16.24	20.53	15.70	7.12	15.14	21.93	22.02
Electrical energy supplied	**70.54**	**104.26**	**122.18**	**123.54**	**129.20**	**126.57**	**124.14**	**..**
- Transmission & distr. losses	6.25	6.89	11.68	10.00	9.49	8.04	8.59	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	64.29	97.37	110.50	113.54	119.71	118.53	115.55	..
Energy industry consumption[2]	**0.25**	**0.57**	**0.97**	**2.81**	**6.26**	**6.83**	**7.14**	**..**
Coal Mines	0.02	0.02	0.01	0.03	0.03	0.04	0.03	..
Oil + Gas Extraction	-	0.10	0.42	2.20	5.40	6.22	6.57	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.12	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.12	0.45	0.51	0.56	0.81	0.56	0.51	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	0.02	0.02	0.01	0.01	0.04	..
Final consumption	**64.04**	**96.81**	**109.53**	**110.73**	**113.45**	**111.70**	**108.41**	**..**
Industry	**39.04**	**45.81**	**51.57**	**52.03**	**44.54**	**43.34**	**45.33**	**..**
Iron and steel	8.75	8.26	7.88	5.65	4.68	5.02	5.32	..
Chem. and petrochemical	5.74	6.09	7.76	7.62	7.81	7.23	7.71	..
Non-ferrous metals	13.92	16.83	19.21	23.76	18.68	19.24	19.66	..
Non-metallic minerals	0.79	0.76	0.90	0.89	0.86	0.89	1.01	..
Transport equipment	0.47	0.56	0.79	0.72	0.56	0.54	0.61	..
Machinery	1.01	1.69	1.39	1.22	1.17	1.16	1.38	..
Mining and quarrying	0.76	0.71	0.51	0.46	0.56	0.59	0.61	..
Food and tobacco	1.37	2.29	3.13	2.81	2.72	2.60	3.03	..
Paper, pulp and printing	5.14	7.21	7.71	6.75	5.06	3.64	3.57	..
Wood and wood products	0.49	0.57	0.84	0.72	0.72	0.61	0.68	..
Construction	0.31	0.53	0.59	0.71	1.17	1.28	1.28	..
Textile and leather	0.27	0.16	0.21	0.17	0.08	0.08	0.10	..
Non specified/other	0.03	0.16	0.65	0.56	0.50	0.47	0.41	..
Transport	**0.53**	**0.65**	**0.62**	**0.60**	**0.69**	**0.73**	**0.76**	**..**
Rail Transport	0.53	0.64	0.62	0.60	0.69	0.71	0.70	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	0.00	0.03	0.07	..
Transport Non Specified	-	0.01	-	-	-	-	-	..
Commercial & publ. serv.	**7.22**	**19.37**	**20.59**	**21.95**	**26.26**	**26.67**	**23.19**	**..**
Residential	**16.69**	**30.30**	**34.64**	**34.01**	**39.75**	**38.91**	**37.12**	**..**
Agriculture	**0.55**	**0.68**	**2.11**	**1.99**	**2.01**	**1.85**	**1.80**	**..**
Fishing	**-**	**-**	**-**	**0.16**	**0.20**	**0.20**	**0.20**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Norway

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**16.24**	**27.13**	**28.42**	**29.12**	**31.69**	**32.86**	**33.49**	**33.65**
Nuclear	-	-	-	-	-	-	-	-
Hydro	16.08	26.88	28.13	28.55	29.69	30.51	31.03	31.15
of which: mixed plants	-	*1.07*	*1.36*	*1.33*	*1.33*	*1.35*	*1.35*	*1.35*
of which: pure pumped storage	*0.13*	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.01	..	..	..	..
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.01	0.27	0.43	0.71	0.82	0.86
Other (e.g. fuel cells)	-	-	-	0.03	0.04	0.04	0.04	0.04
Combustible fuels	0.16	0.25	0.27	0.27	1.54	1.61	1.60	1.60
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.01	0.05	0.08	0.06	-	-	-	-
Liquid fuels	0.15	0.14	0.01	0.02	0.02	0.02	0.02	0.02
Natural gas	-	-	0.04	0.04	1.39	1.46	1.45	1.45
Biofuels & waste	-	0.07	0.14	0.14	0.12	0.13	0.13	0.13
Multi-fired:								
Solid / liquid	-	-	-	0.02	0.01	-	-	-
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	-	-	-	-	-	-	-
Solid / liquid / gas	-	-	-	-	-	-	-	-
Type of generation								
Steam	-	0.23	0.22	0.21	0.13	0.07	0.07	0.07
Internal combustion	-	0.02	0.01	0.02	0.02	0.02	0.02	0.02
Gas turbine	-	0.01	0.04	0.04	1.39	1.52	1.51	1.51
Combined cycle	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Peak load	10.88	17.23	20.40	20.68	23.99	23.99 e	23.99 e	23.99 e
Of which Autoproducers	**2.02**	**2.42**	**2.34**	**0.97**	**2.07**	**2.07**	**2.07**	**2.07**
Nuclear	-	-	-	-	-	-	-	-
Hydro	1.92	2.25	2.17	0.81	1.06	1.06	1.06	1.06
of which: mixed plants	-	-	*0.21*	*0.08*	*0.04*	*0.04*	*0.04*	*0.04*
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.01	..	..	..	..
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	0.02	0.02	0.02	0.02	0.02
Combustible fuels	0.11	0.16	0.16	0.14	0.99	0.99	0.99	0.99

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Norway

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***53.9***	***51.3***	***57.4***	***54.1***	***44.5***	***51.3***	***45.7***	***48.3***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*54.4*	*51.5*	*57.8*	*54.6*	*45.0*	*53.4*	*47.3*	*50.1*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	..	..	..	..
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*27.2*	*21.5*	*23.6*	*25.1*	*26.3*	*29.3*
Other (e.g. fuel cells)	-	-	-	*20.4*	*9.5*	-	-	-
Combustible fuels	*4.0*	*15.1*	*24.4*	*38.1*	*40.6*	*23.8*	*22.5*	*22.6*
Of which autoproducers	***62.3***	***60.8***	***74.0***	***75.1***	***55.3***	***47.4***	***46.6***	***42.2***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*65.6*	*63.8*	*77.1*	*78.6*	*51.5*	*61.7*	*59.9*	*50.9*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	..	..	..	..
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*2.8*	*13.1*	*31.2*	*58.3*	*59.2*	*33.3*	*30.7*	*30.5*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Poland

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**91.60**	**136.31**	**145.18**	**156.94**	**157.66**	**164.58**	**159.06**	**164.83**
- Own use by power plant	8.41	12.90	12.97	13.32	14.20	14.50	13.85	-
Net production	**83.19**	**123.41**	**132.21**	**143.62**	**143.46**	**150.08**	**145.21**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.47	2.61	2.79	2.21	0.83	0.83	0.82	0.90
+ Imports	1.73	10.44	3.29	5.00	6.31	7.80	13.51	14.46
- Exports	4.49	11.48	9.66	16.19	7.66	12.32	11.34	14.79
Electrical energy supplied	**79.96**	**119.76**	**123.05**	**130.22**	**141.28**	**144.73**	**146.56**	**..**
- Transmission & distr. losses	7.57	10.56	14.23	14.56	11.85	10.25	10.25	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	72.39	109.20	108.82	115.66	129.42	134.48	136.31	..
Energy industry consumption[2]	**9.26**	**12.96**	**10.17**	**10.27**	**10.36**	**10.39**	**10.45**	**..**
Coal Mines	6.51	9.01	6.54	6.17	6.14	6.21	6.14	..
Oil + Gas Extraction	0.10	0.16	0.05	0.07	0.10	0.10	0.17	..
Patent Fuel Plants	0.02	0.00	-	-	-	-	-	..
Coke Ovens	0.44	0.76	0.67	0.70	0.79	0.76	0.79	..
BKB plants	0.01	0.00	0.00	-	-	-	-	..
Gas Works	0.44	0.21	0.08	0.05	0.08	0.07	0.07	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.90	0.39	0.54	0.58	0.78	0.94	0.95	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	0.85	2.42	2.30	2.71	2.48	2.32	2.33	..
Final consumption	**63.13**	**96.24**	**98.65**	**105.39**	**119.06**	**124.10**	**125.86**	**..**
Industry	**41.32**	**42.74**	**40.45**	**41.29**	**41.83**	**47.83**	**48.06**	**..**
Iron and steel	6.08	7.48	7.19	5.92	5.89	6.09	6.02	..
Chem. and petrochemical	10.19	10.45	8.50	8.29	7.55	8.85	8.63	..
Non-ferrous metals	2.15	2.16	3.65	3.48	1.71	1.97	2.09	..
Non-metallic minerals	3.13	3.17	3.29	3.48	4.39	4.40	4.51	..
Transport equipment	1.77	1.29	1.51	1.94	1.75	2.53	2.54	..
Machinery	5.78	5.41	3.45	3.53	3.63	4.25	4.40	..
Mining and quarrying	3.28	3.19	1.46	1.31	2.15	2.44	2.39	..
Food and tobacco	2.24	2.86	3.76	4.44	5.09	5.63	5.74	..
Paper, pulp and printing	1.70	1.96	2.67	3.12	3.67	4.29	4.23	..
Wood and wood products	0.87	1.27	1.34	1.58	1.86	1.99	1.97	..
Construction	1.18	1.27	0.55	0.52	0.77	0.78	0.75	..
Textile and leather	2.86	2.14	1.25	1.03	0.57	0.53	0.54	..
Non specified/other	0.09	0.11	1.83	2.64	2.81	4.07	4.26	..
Transport	**3.73**	**5.48**	**4.65**	**3.99**	**3.34**	**3.16**	**3.01**	**..**
Rail Transport	3.73	5.32	4.31	3.55	2.96	2.85	2.70	..
Pipeline Transport	-	0.14	0.32	0.42	0.35	0.29	0.29	..
Road	-	0.03	0.02	0.02	0.02	0.02	0.02	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**7.49**	**19.29**	**27.76**	**33.36**	**43.67**	**43.13**	**45.21**	**..**
Residential	**6.13**	**20.22**	**21.03**	**25.25**	**28.62**	**28.44**	**28.08**	**..**
Agriculture	**2.59**	**8.50**	**4.75**	**1.50**	**1.62**	**1.54**	**1.50**	**..**
Fishing	**-**	**-**	**-**	**0.01**	**-**	**0.00**	**0.00**	**..**
Sector non specified	1.87	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Poland

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**18.62**	**27.88**	**30.56**	**32.26**	**33.36**	**35.28**	**35.82**	**35.99**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.79	1.89	2.18	2.32	2.34	2.35	2.36	2.36
of which: mixed plants	-	*0.22*	*0.31*	*0.37*	*0.38*	*0.38*	*0.38*	*0.38*
of which: pure pumped storage	*0.15*	*1.21*	*1.37*	*1.41*	*1.41*	*1.41*	*1.41*	*1.41*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	0.03
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.12	1.11	2.56	3.43	3.84
Other (e.g. fuel cells)	-	-	-	0.04	-	-	-	-
Combustible fuels	17.83	25.99	28.37	29.78	29.91	30.37	30.03	29.76
of which[2]*:*								
Single-fired:								
Coal and Coal products	17.83	25.99	27.80	28.40	28.40	28.40	27.88	27.48
Liquid fuels	-	-	0.35	0.49	0.49	0.45	0.40	0.40
Natural gas	-	-	0.21	0.82	0.87	0.92	1.00	1.06
Biofuels & waste	-	-	0.01	0.06	0.14	0.59	0.74	0.82
Multi-fired:								
Solid / liquid	-	-	-	-	-	-	-	-
Solid / natural gas	-	-	-	-	-	-	-	-
Liquid / natural gas	-	-	-	0.01	0.01	0.01	0.01	0.01
Solid / liquid / gas	-	-	-	-	-	-	-	-
Type of generation								
Steam	17.83	25.99	28.16	28.96	28.96	29.31	28.90	28.53
Internal combustion	-	-	0.01	0.03	0.12	0.21	0.25	0.30
Gas turbine	-	-	0.01	0.09	0.06	0.06	0.06	0.08
Combined cycle	-	-	0.19	0.71	0.77	0.77	0.81	0.85
Other	-	-	-	-	-	-	-	-
Peak load	15.03	24.27	24.01	24.96	26.36	25.51	24.96	26.08
Of which Autoproducers	**2.45**	**2.36**	**1.89**	**2.05**	**1.80**	**1.77**	**1.81**	**1.85**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	0.03
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	0.04	-	-	-	-
Combustible fuels	2.45	2.36	1.89	2.02	1.79	1.77	1.80	1.82

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Poland

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***56.2***	***55.8***	***54.2***	***55.5***	***54.0***	***52.5***	***52.5***	***50.5***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*35.3*	*20.0*	*21.5*	*18.6*	*17.0*	*12.0*	*14.5*	*13.2*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	*11.4*	*5.7*	*3.0*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*14.3*	*12.7*	*17.1*	*21.1*	*20.0*	*22.8*
Other (e.g. fuel cells)	-	-	-	*74.5*	*40.0*	*45.7*	*45.7*	*45.7*
Combustible fuels	*57.1*	*58.4*	*56.8*	*58.6*	*58.2*	*58.2*	*59.1*	*57.0*
Of which autoproducers	***45.1***	***39.2***	***43.8***	***45.2***	***50.6***	***54.5***	***56.4***	***54.9***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	*22.8*	*34.3*	*22.8*	*22.8*	*22.8*	*34.3*	*34.3*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	*11.4*	*5.7*	*3.0*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	*74.5*	*40.0*	*45.7*	*45.7*	*45.7*
Combustible fuels	*45.1*	*39.2*	*43.8*	*44.3*	*50.2*	*54.1*	*55.8*	*54.8*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Portugal

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**10.75**	**28.50**	**43.76**	**46.58**	**54.09**	**51.67**	**52.80**	**52.16**
- Own use by power plant	0.27	1.22	1.55	1.59	1.31	1.26	1.28	-
Net production	**10.48**	**27.28**	**42.22**	**44.98**	**52.78**	**50.41**	**51.53**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.09	0.21	0.56	0.57	0.51	1.46	1.08	1.47
+ Imports	0.34	1.73	4.70	9.63	5.81	8.10	7.25	8.08
- Exports	0.30	1.70	3.77	2.80	3.19	5.32	6.34	5.81
Electrical energy supplied	**10.44**	**27.11**	**42.59**	**51.24**	**54.89**	**51.73**	**51.35**	**..**
- Transmission & distr. losses	1.33	3.16	3.65	4.21	4.28	5.46	5.21	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	9.11	23.95	38.94	47.03	50.61	46.27	46.14	..
Energy industry consumption[2]	**0.17**	**0.41**	**0.57**	**0.71**	**0.73**	**1.02**	**0.94**	**..**
Coal Mines	0.01	0.01	0.00	0.00	0.00	0.00	0.00	..
Oil + Gas Extraction	-	-	-	-	-	0.00	0.00	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	0.00	0.00	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.02	0.03	0.03	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.14	0.37	0.46	0.56	0.53	0.83	0.76	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	0.07	0.14	0.19	0.18	0.18	..
Final consumption	**8.95**	**23.54**	**38.37**	**46.32**	**49.89**	**45.26**	**45.20**	**..**
Industry	**5.34**	**12.22**	**15.95**	**17.17**	**17.47**	**15.99**	**15.40**	**..**
Iron and steel	0.29	0.61	0.82	1.28	1.10	1.38	1.40	..
Chem. and petrochemical	1.22	2.00	2.31	2.56	2.49	2.29	2.12	..
Non-ferrous metals	0.23	0.15	0.11	0.12	0.14	0.12	0.12	..
Non-metallic minerals	0.74	1.76	2.25	2.34	2.19	1.80	1.93	..
Transport equipment	0.12	0.24	0.49	0.48	0.44	0.35	0.36	..
Machinery	0.34	0.88	1.02	1.20	1.35	1.27	1.31	..
Mining and quarrying	0.08	0.32	0.42	0.48	0.56	0.59	0.61	..
Food and tobacco	0.42	1.10	1.56	1.70	1.91	1.77	1.86	..
Paper, pulp and printing	0.48	1.47	2.05	2.47	3.06	3.06	3.05	..
Wood and wood products	0.20	0.62	0.92	0.72	0.58	0.51	0.49	..
Construction	0.05	0.21	0.56	0.65	0.61	0.36	0.33	..
Textile and leather	0.91	2.46	2.33	1.79	1.46	1.23	1.33	..
Non specified/other	0.27	0.40	1.11	1.40	1.59	1.27	0.49	..
Transport	**0.22**	**0.31**	**0.36**	**0.47**	**0.48**	**0.30**	**0.30**	**..**
Rail Transport	0.22	0.31	0.36	0.47	0.48	0.29	0.30	..
Pipeline Transport	-	-	-	-	-	0.01	0.01	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**1.49**	**4.83**	**11.29**	**14.41**	**16.40**	**15.71**	**16.76**	**..**
Residential	**1.84**	**5.92**	**10.06**	**13.24**	**14.52**	**12.31**	**11.92**	**..**
Agriculture	**0.06**	**0.27**	**0.72**	**0.99**	**0.97**	**0.89**	**0.78**	**..**
Fishing	**-**	**-**	**-**	**0.04**	**0.06**	**0.06**	**0.05**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Portugal

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**2.91**	**7.41**	**10.91**	**13.37**	**18.93**	**19.75**	**18.90**	**19.13**
Nuclear	-	-	-	-	-	-	-	-
Hydro	2.12	3.36	4.54	5.02	5.11	5.71	5.66	5.72
of which: mixed plants	-	*0.66*	*0.66*	*1.09*	*1.09*	*1.34*	*1.37*	*1.42*
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	0.01	0.01	0.03	0.03	0.03	0.03
Solar PV	-	-	-	-	0.13	0.24	0.30	0.42
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.08	1.06	3.80	4.41	4.61	4.86
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.79	4.05	6.28	7.28	9.87	9.36	8.31	8.11
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	1.17	1.78	1.78	1.76	1.76	1.76	1.76
Liquid fuels	0.53	2.57	2.34	2.30	2.86	2.06	1.00	0.67
Natural gas	-	-	1.15	2.10	4.43	4.61	4.63	4.62
Biofuels & waste	-	0.01	0.07	0.10	0.04	0.08	0.09	0.09
Multi-fired:								
Solid / liquid	0.26	0.30	0.21	0.20	0.25	0.10	0.10	0.08
Solid / natural gas	-	-	-	-	0.13	0.13	0.13	0.13
Liquid / natural gas	-	-	0.72	0.74	0.17	0.35	0.34	0.47
Solid / liquid / gas	-	-	-	0.06	0.25	0.28	0.28	0.30
Type of generation								
Steam	-	3.43	4.07	4.08	4.19	3.46	2.49	2.47
Internal combustion	-	0.29	0.81	1.01	1.29	1.23	1.12	1.04
Gas turbine	-	0.33	0.41	0.42	0.46	0.69	0.71	0.60
Combined cycle	-	-	0.99	1.77	3.94	3.97	3.99	4.00
Other	0.79	-	-	-	-	-	-	-
Peak load	..	5.03	6.56	8.53	9.40	8.55	8.32	8.31
Of which Autoproducers	**0.19**	**0.52**	**1.12**	**1.31**	**1.83**	**2.11**	**2.06**	**2.11**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.02	-	0.01	0.01	0.01	0.01	0.01	0.01
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	0.10	0.15	0.19
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.17	0.52	1.11	1.31	1.82	2.00	1.90	1.91

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Portugal

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***42.1***	***43.9***	***45.8***	***39.8***	***32.6***	***27.0***	***31.2***	***31.5***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*42.5*	*31.6*	*29.5*	*11.7*	*37.0*	*13.3*	*30.0*	*32.8*
Geothermal	-	*45.7*	*65.2*	*57.9*	*90.0*	*66.7*	*90.0*	*93.6*
Solar PV	-	-	*11.4*	*17.1*	*18.0*	*18.9*	*18.5*	*17.3*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*11.4*	*23.1*	*19.0*	*27.6*	*26.5*	*29.8*	*28.5*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*41.2*	*54.1*	*57.9*	*62.1*	*32.3*	*35.6*	*33.1*	*33.0*
Of which autoproducers	***32.1***	***31.7***	***49.0***	***48.1***	***48.4***	***45.1***	***50.0***	***45.7***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*26.4*	-	*34.3*	*15.2*	*36.2*	*19.0*	*38.1*	*43.8*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	*16.2*	*15.4*	*17.3*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*32.6*	*31.0*	*49.0*	*48.3*	*48.4*	*46.6*	*52.8*	*48.6*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Slovak Republic

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**12.89**	**26.13 e**	**31.16 e**	**31.46**	**27.86 e**	**28.83**	**27.40**	**26.31**
- Own use by power plant	1.71	3.11 e	3.41 e	2.16	2.43	1.66	2.39	-
Net production	**11.17**	**23.02 e**	**27.74 e**	**29.29**	**25.43 e**	**27.17**	**25.01**	**-**
- Used for heat pumps	-	-	-	0.00	0.00	0.00	0.00	-
- Used for electric boilers	-	-	-	0.00	0.00	0.01	0.01	-
- Used for pumped storage	0.11	1.16	0.40	0.16	0.54	0.45	0.34	0.41
+ Imports	3.16	7.26	5.95	8.01	7.33	10.72	12.96	14.96
- Exports	0.18	2.06	8.65	11.27	6.29	10.63	11.86	12.61
Electrical energy supplied	**14.05**	**27.06 e**	**24.65 e**	**25.87**	**25.93**	**26.80**	**25.75**	**..**
- Transmission & distr. losses	1.15	1.96 e	1.76 e	1.69	0.86	0.76	0.67	..
- Statistical difference	-	1.69	0.39	-	-	-	-	..
Total consumption	12.90	23.41	22.50	24.18	25.08 e	26.04	25.08	..
Energy industry consumption[2]	**-**	**-**	**0.49**	**1.33**	**0.94**	**0.96**	**0.93**	**..**
Coal Mines	-	-	0.11	0.11	0.09	0.09	0.08	..
Oil + Gas Extraction	-	-	0.00	0.01	0.01	0.01	0.01	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	0.05	0.06	0.06	0.06	0.06	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	0.18	0.20	..
Oil Refineries	-	-	0.33	0.67	0.61	0.59	0.56	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	0.49	0.17	0.02	0.02	..
Final consumption	**12.90**	**23.41**	**22.01**	**22.85**	**24.14 e**	**25.08**	**24.16**	**..**
Industry	**8.72**	**15.01**	**9.74**	**11.03**	**10.93**	**11.79**	**12.24**	**..**
Iron and steel	-	-	3.25	2.29	2.35	2.45	2.49	..
Chem. and petrochemical	-	-	1.45	1.70	0.80	1.35	1.20	..
Non-ferrous metals	-	-	-	2.38	2.46	2.48	2.52	..
Non-metallic minerals	-	-	1.02	0.80	0.67	0.67	0.68	..
Transport equipment	-	-	0.25	0.23	0.74	0.95	1.46	..
Machinery	-	-	0.84	0.77	1.08	1.16	1.30	..
Mining and quarrying	-	-	0.13	0.10	0.05	0.03	0.03	..
Food and tobacco	-	-	1.12	0.54	0.48	0.50	0.57	..
Paper, pulp and printing	-	-	0.68	1.02	1.06	1.19	0.76	..
Wood and wood products	-	-	0.21	0.17	0.16	0.13	0.15	..
Construction	-	-	0.13	0.08	0.17	0.06	0.06	..
Textile and leather	-	-	0.33	0.23	0.13	0.13	0.14	..
Non specified/other	8.72	15.01	0.34	0.73	0.78	0.69	0.90	..
Transport	**0.66**	**1.16**	**0.97**	**0.57**	**0.54**	**0.57**	**0.57**	**..**
Rail Transport	0.66	1.16	0.97	0.49	0.46	0.49	0.48	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	0.03	0.03	..
Transport Non Specified	-	-	-	0.08	0.08	0.05	0.07	..
Commercial & publ. serv.	**1.10**	**2.41**	**5.27**	**6.15**	**8.01 e**	**7.55**	**6.15**	**..**
Residential	**1.62**	**3.68**	**5.42**	**4.70**	**4.37 e**	**4.93**	**4.92**	**..**
Agriculture	**0.80**	**1.15**	**0.62**	**0.39**	**0.29**	**0.25**	**0.28**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Slovak Republic

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**-**	**-**	**7.45**	**8.26**	**7.87**	**8.41**	**8.46**	**8.09**
Nuclear	-	-	2.64	2.64	1.82	1.94	1.94	1.94
Hydro	-	..	2.42	2.51	2.52	2.52	2.52	2.52
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	..	*0.74 e*	*0.92*	*0.92*	*0.92*	*0.92*	*0.92*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.02	0.51	0.53	0.53
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.01	-	-	0.01	-
Other (e.g. fuel cells)	-	-	-	0.01	0.02	0.02	0.03	0.03
Combustible fuels	-	-	2.39	3.09	3.50	3.42	3.43	3.07
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	-	..	1.24	0.96	0.93	0.98	0.93
Liquid fuels	-	-	..	0.01	0.11	0.13	0.14	0.14
Natural gas	-	-	..	0.41	1.08	1.00	1.02	1.02
Biofuels & waste	-	..	..	0.06	0.19	0.25	0.08	0.16
Multi-fired:								
Solid / liquid	-	-	..	-	-	-	-	-
Solid / natural gas	-	-	..	0.53	0.51	0.48	0.47	0.50
Liquid / natural gas	-	-	..	0.84	0.59	0.61	0.58	0.14
Solid / liquid / gas	-	-	..	-	0.04	0.03	0.16	0.18
Type of generation								
Steam	-	-	..	2.77	2.40	2.26	2.24	1.83
Internal combustion	-	-	..	0.02	0.08	0.16	0.24	0.21
Gas turbine	-	-	..	0.02	0.02	0.08	0.03	0.03
Combined cycle	-	-	..	0.25	0.99	0.89	0.87	0.91
Other	-	-	..	0.03	0.01	0.03	0.05	0.09
Peak load	..	..	4.28	4.35	4.34	4.40	4.18	4.12
Of which Autoproducers	**-**	**-**	**-**	**0.56**	**0.62**	**1.04**	**1.07**	**1.15**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	0.02	0.03	0.03	0.03	0.03
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.02	0.41	0.43	0.43
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.01	-	-	-	-
Other (e.g. fuel cells)	-	-	-	0.01	0.02	0.02	0.03	0.03
Combustible fuels	-	-	-	0.53	0.55	0.58	0.59	0.66

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Slovak Republic

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	**-**	**- e**	**47.7 e**	**43.5**	**40.4**	**38.9**	**38.9**	**38.7**
Nuclear	-	-	71.3	76.7	91.4	91.2	92.5	91.2
Hydro	-	..	23.5	21.5	25.6	20.1	23.4	20.2
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	10.2	9.4	12.6	12.8
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	13.7	22.8	22.8	13.7	22.8
Other (e.g. fuel cells)	-	-	-	22.8	24.0	41.5	31.5	53.9
Combustible fuels	-	- e	46.2 e	33.1	24.7	27.5	24.2	25.0
Of which autoproducers	**-**	**- e**	**- e**	**49.3**	**37.9**	**27.8**	**26.3**	**30.3**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	-	-	39.0	50.2	34.6	40.3	44.1
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	10.1	9.4	12.3	12.8
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	13.7	22.8	22.8	22.8	22.8
Other (e.g. fuel cells)	-	-	-	22.8	24.0	41.5	31.5	53.9
Combustible fuels	-	- e	- e	50.6	38.7	39.9	35.6	40.3

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Slovenia

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	..	**12.44**	**13.62**	**15.12**	**16.44**	**16.10**	**17.44**	**15.09**
- Own use by power plant	..	1.27	0.83	0.97	1.03	0.99	0.95	-
Net production	..	**11.18**	**12.80**	**14.15**	**15.41**	**15.12**	**16.49**	**-**
- Used for heat pumps	..	-	-	-	-	-	-	-
- Used for electric boilers	..	-	-	-	-	-	-	-
- Used for pumped storage	..	-	-	-	0.25	0.39	0.36	0.38
+ Imports	..	1.72	4.23	9.34	8.63	7.52	7.25	9.05
- Exports	..	2.70	5.55	9.67	10.75	8.81	10.00	9.09
Electrical energy supplied	..	**10.19**	**11.47**	**13.82**	**13.05**	**13.44**	**13.38**	**..**
- Transmission & distr. losses	..	0.80	0.81	0.95	0.98	0.85	0.82	..
- Statistical difference	..	-	-	-	-	-	-	..
Total consumption	..	9.39	10.66	12.87	12.06	12.59	12.56	..
Energy industry consumption[2]	..	**0.15**	**0.14**	**0.13**	**0.12**	**0.11**	**0.10**	**..**
Coal Mines	..	0.13	0.08	0.08	0.07	0.06	0.06	..
Oil + Gas Extraction	..	-	-	-	-	-	-	..
Patent Fuel Plants	..	-	-	-	-	-	-	..
Coke Ovens	..	-	-	-	-	-	-	..
BKB plants	..	-	-	-	-	-	-	..
Gas Works	..	-	-	-	-	-	-	..
Blast Furnaces	..	-	-	-	-	-	-	..
Oil Refineries	..	0.03	0.03	-	-	-	-	..
Nuclear Industry	..	-	-	-	-	-	-	..
Coal Liquefaction Plants	..	-	-	-	-	-	-	..
LNG/Regasification Plants	..	-	-	-	-	-	-	..
Energy - Non Specified	..	-	0.03	0.05	0.05	0.05	0.04	..
Final consumption	..	**9.24**	**10.52**	**12.74**	**11.95**	**12.48**	**12.46**	**..**
Industry	..	**5.97**	**5.53**	**7.17**	**5.49**	**5.88**	**6.06**	**..**
Iron and steel	..	1.23	0.87	0.75	0.74	0.77	0.76	..
Chem. and petrochemical	..	0.32	0.42	0.85	0.66	0.62	0.66	..
Non-ferrous metals	..	1.66	1.19	1.91	0.71	1.30	1.31	..
Non-metallic minerals	..	0.14	0.45	0.46	0.41	0.35	0.37	..
Transport equipment	..	-	0.11	0.16	0.21	0.21	0.23	..
Machinery	..	0.74	0.67	0.88	0.93	0.89	0.91	..
Mining and quarrying	..	-	0.04	0.05	0.10	0.12	0.13	..
Food and tobacco	..	0.22	0.26	0.30	0.28	0.27	0.28	..
Paper, pulp and printing	..	0.66	0.67	0.75	0.65	0.62	0.68	..
Wood and wood products	..	0.32	0.17	0.22	0.17	0.15	0.16	..
Construction	..	0.22	0.11	0.14	0.06	0.04	0.04	..
Textile and leather	..	0.39	0.29	0.25	0.15	0.12	0.11	..
Non specified/other	..	0.09	0.30	0.46	0.43	0.41	0.42	..
Transport	..	**0.22**	**0.27**	**0.20**	**0.17**	**0.15**	**0.14**	**..**
Rail Transport	..	0.22	0.15	0.19	0.16	0.15	0.13	..
Pipeline Transport	..	-	-	-	-	-	-	..
Road	..	-	-	-	-	-	-	..
Transport Non Specified	..	-	0.12	0.01	0.01	0.01	0.01	..
Commercial & publ. serv.	..	**0.82**	**2.13**	**2.42**	**3.07**	**3.22**	**3.14**	**..**
Residential	..	**2.23**	**2.60**	**2.95**	**3.22**	**3.23**	**3.13**	**..**
Agriculture	..	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Fishing	..	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	..	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Slovenia

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	..	**0.76**	**2.61**	**2.99**	**3.19**	**3.35**	**3.43**	**3.45**
Nuclear	..	-	0.66	0.66	0.67	0.69	0.69	0.69
Hydro	..	0.76	0.84	0.98	1.25	1.25	1.30	1.30
of which: mixed plants	..	-	-	-	-	-	-	-
of which: pure pumped storage	..	-	-	-	*0.18*	*0.18*	*0.18*	*0.18*
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	0.01	0.14	0.19	0.22
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	-	-	-	-	-
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	-	1.12	1.36	1.26	1.27	1.26	1.24
of which[2]*:*								
Single-fired:								
Coal and Coal products	..	-	1.01	0.94	0.84	0.84	0.84	0.81
Liquid fuels	..	-	0.01	0.01	-	-	-	-
Natural gas	..	-	0.05	0.38	0.39	0.38	0.37	0.38
Biofuels & waste	..	-	-	0.01	0.03	0.04	0.04	0.05
Multi-fired:								
Solid / liquid	..	-	0.02	-	-	-	-	-
Solid / natural gas	..	-	-	-	-	-	-	-
Liquid / natural gas	..	-	0.02	0.01	-	-	-	-
Solid / liquid / gas	..	-	-	0.02	0.01	0.01	0.01	0.01
Type of generation								
Steam	..	-	1.09	1.00	0.91	0.87	0.87	0.84
Internal combustion	..	-	0.01	0.03	0.04	0.08	0.08	0.09
Gas turbine	..	-	0.02	0.32	0.31	0.32	0.31	0.31
Combined cycle	..	-	-	-	-	-	-	-
Other	..	-	-	-	-	-	-	-
Peak load	..	..	1.71	2.04	1.94	2.07	1.94	1.99
Of which Autoproducers	..	**0.03**	**0.19**	**0.18**	**0.18**	**0.29**	**0.34**	**0.38**
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	0.03	0.09	0.10	0.12	0.12	0.12	0.12
of which: mixed plants	..	-	-	-	-	-	-	-
of which: pure pumped storage	..	-	-	-	-	-	-	-
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	0.01	0.14	0.18	0.22
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	-	-	-	-	-
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	-	0.10	0.08	0.06	0.04	0.04	0.05

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Slovenia

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	..	***188.2***	***59.5***	***57.7***	***58.8***	***53.6***	***53.5***	***57.6***
Nuclear	..	-	*82.9*	*102.4*	*97.0*	*91.7*	*87.9*	*105.7*
Hydro	..	*44.6*	*51.9*	*40.4*	*42.8*	*37.2*	*43.3*	*56.1*
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	*12.4*	*13.1*	*13.1*	*13.1*
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	-	-	-	*11.4*	*11.4*
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	-	*51.5*	*48.6*	*54.9*	*53.7*	*51.5*	*40.8*
Of which autoproducers	..	***464.2***	***39.0***	***36.9***	***29.2***	***20.8***	***21.0***	***22.3***
Nuclear	..	-	-	-	-	-	-	-
Hydro	..	*39.7*	*23.6*	*24.7*	*16.3*	*12.4*	*16.3*	*22.4*
Geothermal	..	-	-	-	-	-	-	-
Solar PV	..	-	-	-	*12.5*	*13.1*	*13.2*	*13.1*
Solar thermal	..	-	-	-	-	-	-	-
Tide, wave, ocean	..	-	-	-	-	-	-	-
Wind	..	-	-	-	-	-	-	-
Other (e.g. fuel cells)	..	-	-	-	-	-	-	-
Combustible fuels	..	-	*53.5*	*53.3*	*58.7*	*71.6*	*67.1*	*61.9*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Spain

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**80.86**	**151.92**	**224.47**	**294.08**	**301.53**	**285.63**	**278.75**	**280.48**
- Own use by power plant	3.65	7.27	10.03	11.95	10.58	10.23	10.37	-
Net production	**77.21**	**144.65**	**214.44**	**282.13**	**290.95**	**275.40**	**268.38**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	1.11	1.03	4.91	6.36	4.46	5.91	5.20	4.52
+ Imports	0.66	3.21	12.27	10.21	5.21	9.89	12.31	14.96
- Exports	1.80	3.63	7.83	11.56	13.54	16.64	15.72	15.09
Electrical energy supplied	**74.96**	**143.20**	**213.98**	**274.43**	**278.16**	**262.74**	**259.77**	**..**
- Transmission & distr. losses	8.12	14.04	19.27	25.96	27.40	26.69	26.39	..
- Statistical difference	-	-	-	-	0.59	0.86	0.07	..
Total consumption	66.84	129.16	194.71	248.47 e	250.17	235.18	233.31	..
Energy industry consumption[2]	**2.13**	**3.36**	**6.25**	**6.25 e**	**5.37**	**5.09**	**6.41**	**..**
Coal Mines	0.80	1.17	1.76	0.85 e	0.14	0.27	0.45	..
Oil + Gas Extraction	0.01	0.02	0.01	0.08 e	0.05	0.02	0.15	..
Patent Fuel Plants	0.00	-	-	-	-	-	-	..
Coke Ovens	0.09	0.04	0.04	0.00 e	0.00	0.05	0.05	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.42	0.15	0.14	0.46 e	0.05	0.11	0.10	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.80	1.98	3.60	3.53 e	3.44	2.60	3.62	..
Nuclear Industry	-	-	0.03	0.02 e	0.17	0.15	0.15	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	0.68	1.31 e	1.53	1.89	1.90	..
Final consumption	**64.71**	**125.80**	**188.46**	**242.22 e**	**244.80**	**230.09**	**226.90**	**..**
Industry	**42.58**	**63.28**	**85.64**	**105.04 e**	**73.49**	**70.83**	**71.66**	**..**
Iron and steel	7.12	9.53	14.73	18.37 e	14.32	12.33	12.31	..
Chem. and petrochemical	8.50	10.32	12.80	13.38 e	8.64	8.97	9.16	..
Non-ferrous metals	3.86	8.14	9.29	10.27 e	8.65	9.01	9.36	..
Non-metallic minerals	4.35	6.93	9.61	13.30 e	7.70	5.49	5.61	..
Transport equipment	1.49	2.70	4.01	4.41 e	2.85	2.98	3.47	..
Machinery	2.86	4.70	5.65	7.33 e	3.83	5.24	4.80	..
Mining and quarrying	0.99	1.67	1.30	1.56 e	1.21	1.38	1.52	..
Food and tobacco	2.35	5.77	8.97	11.51 e	10.47	9.32	10.90	..
Paper, pulp and printing	2.41	3.98	3.77	7.87 e	3.96	5.75	5.82	..
Wood and wood products	0.70	1.44	1.51	2.60 e	1.42	1.42	1.09	..
Construction	0.83	0.78	1.51	2.64 e	2.77	2.87	2.39	..
Textile and leather	2.63	3.82	4.20	4.29 e	2.16	1.85	1.67	..
Non specified/other	4.48	3.50	8.28	7.51 e	5.52	4.21	3.56	..
Transport	**1.50**	**3.67**	**4.16**	**5.36 e**	**3.22**	**4.55**	**4.16**	**..**
Rail Transport	1.50	2.00	2.47	3.65 e	3.06	2.35	2.08	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	1.67	1.70	1.71 e	0.16	2.20	2.08	..
Commercial & publ. serv.	**7.86**	**25.10**	**50.02**	**63.82 e**	**83.89**	**75.57**	**70.31**	**..**
Residential	**11.39**	**30.21**	**43.62**	**62.58 e**	**75.68**	**71.06**	**70.71**	**..**
Agriculture	**1.39**	**3.54**	**5.01**	**5.29 e**	**4.15**	**4.51**	**5.17**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	0.12 e	4.37	3.57	4.90	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Spain

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**23.36**	**42.84**	**53.92**	**76.57**	**101.79**	**105.17**	**106.00**	**106.47**
Nuclear	1.09	6.97	7.50	7.58 e	7.45	7.45	6.98	7.40
Hydro	11.65	15.66	17.96	18.22	18.54	18.55	19.19	19.22
of which: mixed plants	-	*2.64*	*2.94*	*2.99*	*2.81*	*2.79*	*2.65*	*2.69*
of which: pure pumped storage	-	*2.42*	*2.42*	*2.42*	*2.45*	*2.47*	*2.46*	*2.46*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.01	0.06	3.92	4.65	4.79	4.79
Solar thermal	-	-	-	-	0.73	2.00	2.30	2.30
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	2.21	9.92	20.69	22.79	22.96	22.98
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	10.62	20.21	26.24	40.80 e	50.46	49.74	49.79	49.79
of which[2]*:*								
Single-fired:								
Coal and Coal products	2.97	9.90	11.06	..	..	..	..	..
Liquid fuels	6.64	7.65	8.14	..	..	..	..	..
Natural gas	-	0.06	3.16	..	..	..	..	..
Biofuels & waste	0.07	0.10	0.46	..	..	..	..	..
Multi-fired:								
Solid / liquid	0.93	0.50	0.30	..	..	..	..	..
Solid / natural gas	-	0.02	..	..	..	..	..	..
Liquid / natural gas	-	1.98	3.12	..	..	..	..	..
Solid / liquid / gas	-	-	..	..	..	..	..	..
Type of generation								
Steam	-	18.46	21.10	..	..	..	..	..
Internal combustion	-	0.38	2.43	..	..	..	..	..
Gas turbine	-	0.44	1.54	..	..	..	..	..
Combined cycle	-	0.94	1.18	..	..	..	..	..
Other	-	-	-	-	-	-	-	-
Peak load	..	25.16	33.24	43.38	44.12	43.01	39.96	38.67
Of which Autoproducers	**1.03**	**0.75**	**4.74**	**..**	**..**	**..**	**..**	**..**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.44	..	..	..	..	..	..	..
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.60	0.75	4.74	..	..	..	..	..

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Spain

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***39.5***	***40.5***	***47.5 e***	***43.8 e***	***33.8***	***32.3***	***30.8***	***29.9***
Nuclear	*75.6*	*88.8*	*94.6*	*86.7 e*	*95.0*	*94.2*	*92.7*	*88.4*
Hydro	*30.7*	*19.1*	*20.2 e*	*14.4 e*	*28.0*	*14.9*	*24.4*	*25.5*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	*22.8*	*17.1*	*7.8*	*18.7*	*20.1*	*19.9*	*19.6*
Solar thermal	-	-	-	-	*11.9*	*21.6*	*23.7*	*27.1*
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*79.9*	*24.5*	*24.4 e*	*24.4*	*24.8*	*27.7*	*25.8*
Other (e.g. fuel cells)	-	-	-	-	-	-	..	-
Combustible fuels	*45.5*	*40.4*	*54.7 e*	*52.4 e*	*32.2*	*34.5*	*27.3*	*25.9*
Of which autoproducers	***38.6***	***68.5***	***68.5 e***	***..***	***..***	***..***	***..***	***..***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*36.7*	..	*- e*	*- e*	..	..	..	..
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	*- e*	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	..	-
Combustible fuels	*39.9*	*48.2*	*66.5 e*	..	..	..	..	..

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Sweden

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**75.13**	**146.51**	**145.27**	**158.44**	**148.56**	**153.17**	**153.66**	**161.44**
- Own use by power plant	1.64	4.00	3.67	3.82	3.28	3.63	3.71	-
Net production	**73.49**	**142.51**	**141.59**	**154.61**	**145.28**	**149.54**	**149.96**	**-**
- Used for heat pumps	-	-	2.22	1.87	1.48	1.19	1.55	0.92
- Used for electric boilers	-	..	2.05	0.33	0.13	0.27	0.26	0.21
- Used for pumped storage	0.03	0.76	0.05	0.09	0.15	0.19	0.15	0.05
+ Imports	6.68	12.91	18.31	14.58	14.93	12.67	13.85	9.29
- Exports	3.74	14.68	13.63	21.97	12.85	22.68	29.48	31.89
Electrical energy supplied	**76.40**	**139.99**	**141.95**	**144.93**	**145.60**	**137.89**	**132.38**	**..**
- Transmission & distr. losses	6.37	9.21	10.82	11.71	10.59	10.00	7.33	..
- Statistical difference	-	0.04	-	-	-0.01	-	-	..
Total consumption	70.03	130.74	131.14	133.23	135.02	127.88	125.04	..
Energy industry consumption[2]	**0.44**	**10.39**	**2.41**	**2.53**	**3.80**	**2.87**	**2.85**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.01	0.05	0.05	0.01	0.01	0.02	0.02	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.02	0.03	0.05	0.01	0.01	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.22	0.66	0.87	0.83	0.96	0.85	0.89	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	0.20	9.65	1.44	1.68	2.83	2.00	1.94	..
Final consumption	**69.59**	**120.35**	**128.73**	**130.70**	**131.22**	**125.02**	**122.19**	**..**
Industry	**40.02**	**53.96**	**56.94**	**57.56**	**54.39**	**52.01**	**50.73**	**..**
Iron and steel	5.97	4.45	5.37	5.36	2.54	4.44	4.33	..
Chem. and petrochemical	5.50	6.66	5.42	6.64	4.91	4.62	4.48	..
Non-ferrous metals	2.27	2.73	2.80	3.27	2.40	3.11	2.91	..
Non-metallic minerals	1.33	1.45	1.17	1.05	1.05	0.94	0.96	..
Transport equipment	0.29	2.31	2.46	2.61	1.88	1.96	1.96	..
Machinery	3.75	4.91	1.89	1.75	4.00	3.48	3.65	..
Mining and quarrying	2.23	2.35	2.59	2.52	3.06	3.70	c	..
Food and tobacco	1.17	2.60	2.99	2.43	2.58	2.40	2.45	..
Paper, pulp and printing	13.53	20.62	23.56	23.10	24.86	21.66	c	..
Wood and wood products	1.16	1.98	2.33	2.20	2.23	1.84	1.88	..
Construction	0.67	0.49	0.66	0.80	1.65	1.12	1.08	..
Textile and leather	0.42	0.96	0.31	0.26	0.19	0.14	0.19	..
Non specified/other	1.75	2.46	5.39	5.59	3.05	2.62	26.84	..
Transport	**2.12**	**2.47**	**3.19**	**2.82**	**2.40**	**2.75**	**2.62**	**..**
Rail Transport	2.12	2.47	3.19	2.82	2.40	2.75	2.62	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**11.39**	**24.36**	**25.38**	**26.14**	**27.19**	**25.50**	**30.83**	**..**
Residential	**15.32**	**38.10**	**42.02**	**42.66**	**45.98**	**43.50**	**36.82**	**..**
Agriculture	**0.73**	**1.46**	**1.19**	**1.52**	**1.26**	**1.24**	**1.20**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	0.02	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Sweden

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**20.77**	**34.19**	**33.72**	**33.39**	**36.45**	**37.84**	**37.92**	**38.74**
Nuclear	1.06	9.97	9.46	9.47	8.98	9.44	9.41	9.51
Hydro	12.31	16.33	16.53	16.35	16.73	16.41	16.49	16.00
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	*0.43*	*0.02*	*0.04*	*0.11*	*0.10*	*0.10*	*0.10*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	0.01	0.02	0.04	0.06
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.01	0.21	0.49	2.02	3.61	4.19	5.10
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	7.39	7.88	7.53	7.08	8.72	8.36	7.78	8.08
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	..	..	-	..	..	0.55	0.62
Liquid fuels	7.39	..	..	3.71	..	..	2.62	2.72
Natural gas	-	..	..	0.10	..	..	0.77	0.90
Biofuels & waste	-	..	..	0.28	..	..	3.13	2.94
Multi-fired:								
Solid / liquid	-	..	..	2.65	..	..	0.58	0.90
Solid / natural gas	-	..	..	0.04	..	..	..	c
Liquid / natural gas	-	..	..	0.23	..	..	0.13	c
Solid / liquid / gas	-	..	..	0.07	..	..	..	c
Type of generation								
Steam	-	6.17	5.34	5.32	6.67	6.81	5.07	5.36
Internal combustion	-	0.02	0.08	0.05	0.12	0.03	0.03	-
Gas turbine	-	1.69	1.93	1.66	1.62	1.22	1.83	1.82
Combined cycle	-	-	0.18	0.04	0.31	0.31	0.85	0.90
Other	-	-	-	-	-	-	-	-
Peak load	..	23.30	26.00	25.80	26.20	26.20	26.75	24.75
Of which Autoproducers	**-**	**1.78**	**1.01**	**0.99**	**1.12**	**1.24**	**1.20**	**0.01**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	0.94	0.06	-	-	-	0.01	0.01
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	0.84	0.95	0.98	1.12	1.24	1.19	c

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Sweden

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***41.3***	***48.9***	***49.2***	***54.2***	***46.5***	***50.2***	***46.1***	***45.3***
Nuclear	*22.1*	*78.1*	*69.2*	*87.2*	*73.5*	*77.5*	*80.6*	*77.9*
Hydro	*53.1*	*51.1*	*54.3*	*50.9*	*45.4*	*55.0*	*42.6*	*45.6*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*3.8*	*5.7*	*9.3*	*9.0*	*9.3*	*8.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*8.6*	*25.0*	*21.7*	*19.8*	*22.7*	*26.8*	*25.2*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*24.4*	*7.7*	*13.5*	*19.8*	*27.1*	*22.2*	*22.5*	*19.3*
Of which autoproducers	***-***	***46.2***	***47.6***	***57.4***	***67.3***	***58.4***	***55.6***	***7352.9***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	*54.1*	*45.9*	*41.9*	*53.3*	*64.7*	*12.7*	*15.2*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	*37.4*	*47.7*	*57.4*	*67.4*	*58.4*	*55.9*	*c*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Switzerland

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**38.18**	**56.18**	**67.52**	**59.65**	**67.82**	**70.23**	**71.77**	**67.50**
- Own use by power plant	0.77	1.73	2.02	1.81	1.69	1.70	1.76	-
Net production	**37.41**	**54.45**	**65.50**	**57.84**	**66.13**	**68.53**	**70.01**	**-**
- Used for heat pumps	-	-	0.01	0.01	0.01	0.01	0.01	0.01
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	1.54	1.70	1.97	2.63	2.49	2.13	2.36	2.30
+ Imports	6.27	20.75	24.33	38.35	33.40	29.87	28.53	34.03
- Exports	9.51	22.86	31.40	32.00	32.88	32.27	34.02	35.07
Electrical energy supplied	**32.64**	**50.65**	**56.45**	**61.55**	**64.14**	**63.99**	**62.15**	**..**
- Transmission & distr. losses	3.07	4.07	4.09	4.23	4.37	4.68	4.70	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	29.57	46.58	52.37	57.32	59.77	59.31	57.46	..
Energy industry consumption[2]	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Coal Mines	-	-	-	-	-	-	-	..
Oil + Gas Extraction	-	-	-	-	-	-	-	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	-	-	-	-	-	-	-	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	-	-	-	-	..
Final consumption	**29.57**	**46.58**	**52.37**	**57.32**	**59.77**	**59.31**	**57.46**	**..**
Industry	**11.38**	**17.24**	**18.08**	**18.90**	**19.27**	**18.77**	**18.02**	**..**
Iron and steel	-	-	1.00 e	1.39	1.44	1.30	1.40	..
Chem. and petrochemical	1.69	2.36	2.59 e	3.75	3.65	3.91	3.31	..
Non-ferrous metals	1.83	1.62	1.15 e	1.11	0.35	0.49	0.50	..
Non-metallic minerals	0.50	0.71	1.73	1.00	1.26	1.08	1.16	..
Transport equipment	-	-	-	-	-	-	-	..
Machinery	3.17	3.57	2.68 e	3.20	4.13	4.18	3.94	..
Mining and quarrying	-	-	-	-	-	-	-	..
Food and tobacco	0.30	0.47	1.72 e	1.78	2.32	2.50	2.60	..
Paper, pulp and printing	1.11	1.51	2.52 e	2.56	2.40	1.84	1.71	..
Wood and wood products	-	-	-	-	-	-	-	..
Construction	-	0.08	0.75 e	0.48	0.63	0.62	0.58	..
Textile and leather	1.12	1.10	0.53 e	0.37	0.27	0.25	0.24	..
Non specified/other	1.68	5.81	3.42	3.26	2.81	2.60	2.57	..
Transport	**1.97**	**2.57**	**2.64**	**2.98**	**3.16**	**3.14**	**3.07**	**..**
Rail Transport	1.97	2.57	2.64	2.98	3.16	3.14	3.07	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**8.66**	**12.67**	**14.93**	**16.79**	**17.72**	**17.64**	**17.11**	**..**
Residential	**7.23**	**13.21**	**15.73**	**17.63**	**18.62**	**18.77**	**18.29**	**..**
Agriculture	**0.33**	**0.88**	**0.99**	**1.03**	**1.00**	**1.00**	**0.97**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Switzerland

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**13.32**	**15.39**	**17.26**	**17.44**	**18.09**	**18.58**	**18.93**	**19.17**
Nuclear	1.01	2.95	3.20	3.22	3.25	3.28	3.28	3.31
Hydro	11.72	11.67	13.24	13.36	13.72	13.80	13.82	13.74
of which: mixed plants	-	*1.46*	*1.44*	*1.38*	*1.38*	*1.38*	*1.38*	*1.38*
of which: pure pumped storage	*1.31*	*0.31*	*0.32*	*0.32*	*0.46*	*0.46*	*0.46*	*0.46*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.02	0.03	0.13	0.44	0.76	1.06
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.01	0.04	0.05	0.06	0.06
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	0.59	0.77	0.80	0.83	0.94	1.02	1.02	0.99
of which[2]*:*								
Single-fired:								
Coal and Coal products	-	-	-	-	-	-	-	-
Liquid fuels	0.59	0.38	0.11	0.11	0.09	0.09	0.09	0.09
Natural gas	-	0.01	0.13	0.14	0.28	0.27	0.27	0.24
Biofuels & waste	-	0.12	0.22	0.30	0.43	0.50	0.37	0.37
Multi-fired:								
Solid / liquid	-	0.03	0.10	0.08	0.01	0.02	0.11	0.11
Solid / natural gas	-	0.06	0.07	0.05	0.08	0.07	0.10	0.10
Liquid / natural gas	-	0.13	0.14	0.11	0.01	0.05	0.05	0.05
Solid / liquid / gas	-	0.04	0.03	0.05	0.04	0.03	0.04	0.04
Type of generation								
Steam	-	0.70	0.52	0.54	0.59	0.61	0.62	0.61
Internal combustion	-	0.03	0.12	0.14	0.13	0.14	0.14	0.14
Gas turbine	-	0.04	0.05	0.05	0.05	0.05	0.05	0.02
Combined cycle	-	-	0.11	0.09	0.17	0.21	0.21	0.21
Other	0.59	-	-	-	0.01	0.01	0.01	0.01
Peak load	..	8.54	9.03	9.78	10.75	10.69	10.30	10.00
Of which Autoproducers	**-**	**0.89**	**1.09**	**1.22**	**1.29**	**1.75**	**2.07**	**2.35**
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	0.52	0.45	0.52	0.48	0.58	0.59	0.56
of which: mixed plants	-	*0.07*	*0.05*	*0.05*	*0.05*	*0.06*	*0.06*	*0.06*
of which: pure pumped storage	-	*0.01*	*0.01*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	0.02	0.03	0.13	0.44	0.76	1.06
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	-	0.36	0.63	0.67	0.68	0.73	0.73	0.73

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Switzerland

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***32.7 e***	***41.7***	***44.7***	***39.0***	***42.8***	***42.9***	***42.4***	***42.8***
Nuclear	*80.2*	*91.5*	*94.3*	*82.8*	*92.4*	*88.6*	*90.5*	*95.1*
Hydro	*28.1*	*30.3*	*33.0*	*28.3*	*31.5*	*33.3*	*33.0*	*33.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	*5.7*	*7.9*	*8.6*	*8.6*	*7.8*	*7.6*	*9.1*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*11.4*	*7.6*	*10.1*	*20.5*	*17.1*	*19.2*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*43.8 e*	*23.1*	*40.2*	*44.2*	*42.6*	*41.6*	*41.1*	*41.0*
Of which autoproducers	***- e***	***60.2***	***55.4***	***47.5***	***49.7***	***39.3***	***34.8***	***33.3***
Nuclear	-	-	-	-	-	-	-	-
Hydro	-	*78.6*	*76.3*	*51.1*	*66.5*	*55.3*	*55.3*	*59.3*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	*5.7*	*7.9*	*8.6*	*8.6*	*7.8*	*7.6*	*9.1*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*- e*	*34.1*	*41.8*	*46.3*	*45.4*	*45.5*	*46.6*	*48.6*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

Turkey

Figure 1. Total final consumption by fuel

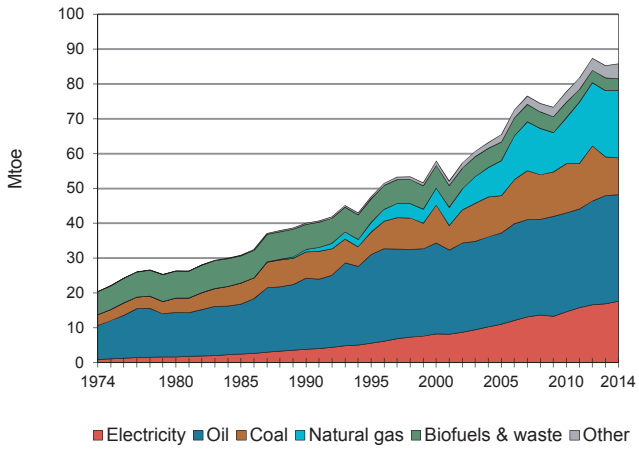


Figure 2. Electricity generation by fuel

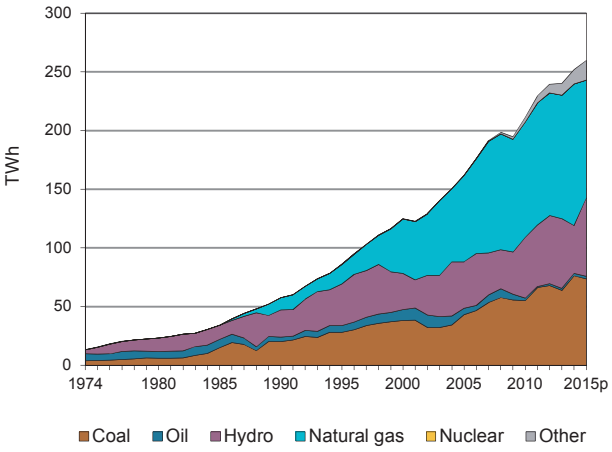


Figure 3. Electricity consumption by sector

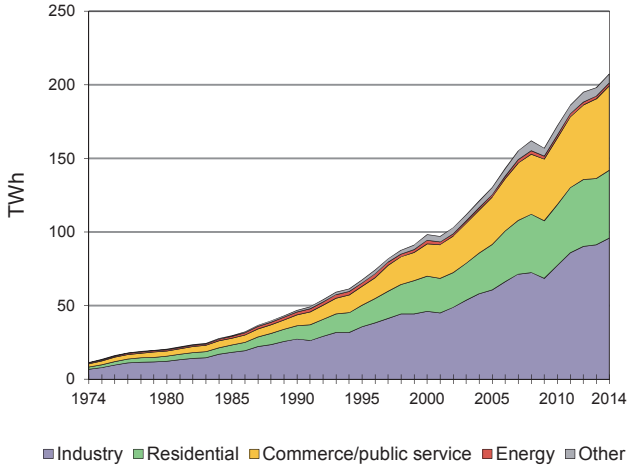


Figure 4. Electricity indicators

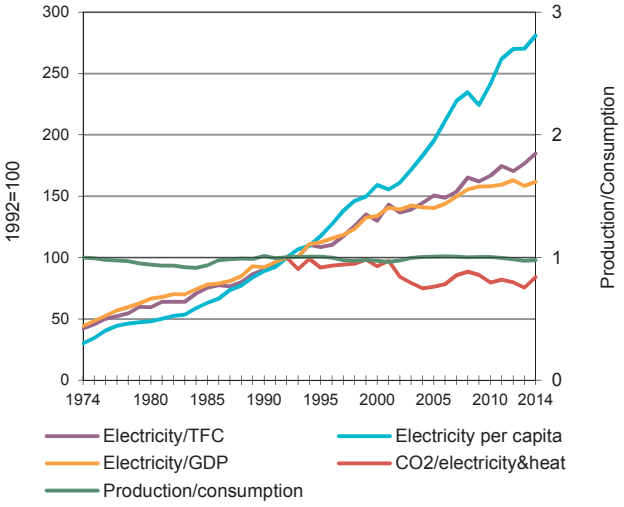
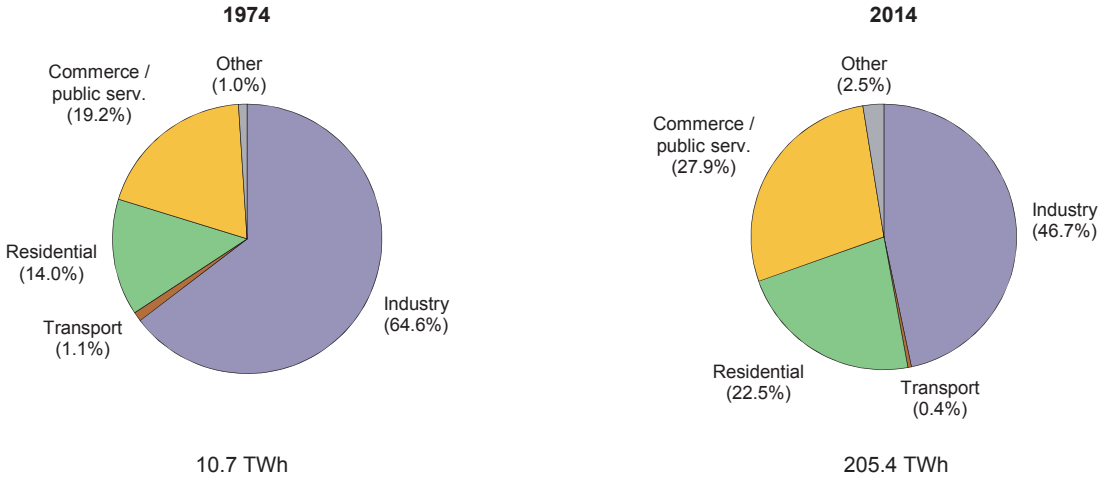


Figure 5. Total final electricity consumption by sector



Turkey

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**13.48**	**57.54**	**124.92**	**161.96**	**211.21**	**240.15**	**251.96**	**259.69**
- Own use by power plant	0.63	3.31	6.22	6.49	8.16	11.18	12.51	-
Net production	**12.85**	**54.23**	**118.70**	**155.47**	**203.05**	**228.98**	**239.45**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	-	0.18	3.79	0.64	1.14	7.43	7.95	7.41
- Exports	-	0.91	0.44	1.80	1.92	1.23	2.70	2.97
Electrical energy supplied	**12.85**	**53.50**	**122.05**	**154.31**	**202.27**	**235.18**	**244.71**	**..**
- Transmission & distr. losses	1.49	6.68	23.76	24.04	30.22	37.13	37.33	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	11.36	46.82	98.30	130.26	172.05	198.05	207.38	..
Energy industry consumption[2]	**0.68**	**1.87**	**2.42**	**1.62**	**2.04**	**1.88**	**1.93**	**..**
Coal Mines	0.47	0.72	0.54	0.47	0.74	0.58	0.68	..
Oil + Gas Extraction	-	-	0.16	0.20	0.10	0.08	0.07	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	-	-	-	-	..
Oil Refineries	0.21	1.15	1.59	0.87	1.16	1.16	1.13	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	0.13	0.08	0.05	0.05	0.06	..
Final consumption	**10.68**	**44.95**	**95.87**	**128.64**	**170.01**	**196.17**	**205.44**	**..**
Industry	**6.90**	**27.34**	**46.09**	**60.67**	**77.30**	**91.38**	**95.84**	**..**
Iron and steel	0.90	4.84	8.40	11.66	16.58	20.23	20.68	..
Chem. and petrochemical	0.71	3.37	2.62	3.97	4.34	4.03	4.18	..
Non-ferrous metals	0.38	2.55	2.51	2.49	2.31	2.28	2.42	..
Non-metallic minerals	1.26	3.99	5.87	6.02	11.01	11.81	12.20	..
Transport equipment	..	..	..	..	..	..	..	..
Machinery	0.31	1.14	2.48	2.49	4.81	5.29	5.96	..
Mining and quarrying	0.15	0.47	0.68	0.90	0.88	1.88	1.53	..
Food and tobacco	0.87	2.59	3.09	3.75	5.13	6.56	6.60	..
Paper, pulp and printing	..	..	1.64	1.38	2.21	2.67	3.21	..
Wood and wood products	0.72	1.92	0.67	0.99	1.85	1.91	2.17	..
Construction	0.02	0.40	1.21	1.26	2.26	3.05	2.80	..
Textile and leather	1.13	3.92	9.06	12.10	13.89	14.63	15.62	..
Non specified/other	0.45	2.15	7.86	13.65	12.04	17.06	18.48	..
Transport	**0.12**	**0.35**	**0.77**	**0.75**	**0.59**	**0.83**	**0.92**	**..**
Rail Transport	0.12	0.35	0.77	0.23	0.39	0.66	0.74	..
Pipeline Transport	-	-	-	0.12	0.20	0.17	0.18	..
Road	-	-	-	-	-	-	-	..
Transport Non Specified	-	-	-	0.40	-	-	-	..
Commercial & publ. serv.	**2.05**	**7.40**	**22.06**	**32.17**	**45.13**	**54.07**	**57.33**	**..**
Residential	**1.50**	**9.06**	**23.89**	**30.94**	**41.41**	**44.97**	**46.19**	**..**
Agriculture	**0.06**	**0.58**	**3.07**	**4.01**	**5.44**	**4.85**	**5.10**	**..**
Fishing	**-**	**-**	**-**	**0.10**	**0.15**	**0.07**	**0.06**	**..**
Sector non specified	0.05	0.23	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

Turkey

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**3.73**	**16.32**	**27.26**	**38.84**	**49.52**	**57.06**	**64.01**	**69.52**
Nuclear	-	-	-	-	-	-	-	-
Hydro	1.45	6.76	11.18	12.91	15.83	19.61	22.29	23.64
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	0.02	0.02	0.02	0.09	0.16	0.31	0.41
Solar PV	-	-	-	-	-	-	-	0.04
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.02	0.02	1.32	2.26	2.76	3.63
Other (e.g. fuel cells)	-	-	-	-	-	-	0.04	0.05
Combustible fuels	2.28	9.54	16.05	25.90	32.28	35.03	38.61	41.75
of which[2]*:*								
Single-fired:								
Coal and Coal products	0.94	5.21	6.99	9.12	11.95	12.58	12.61	14.81
Liquid fuels	1.28	1.75	1.59	2.51	1.59	1.29	0.62	0.60
Natural gas	-	2.21	4.90	11.10	13.30	14.12	17.17	18.72
Biofuels & waste	0.01	-	0.02	0.04	0.11	0.17	0.20	0.25
Multi-fired:								
Solid / liquid	0.05	0.37	0.41	0.45	0.18	0.33	0.33	0.22
Solid / natural gas	-	-	-	0.02	0.03	0.03	0.04	0.12
Liquid / natural gas	-	-	2.14	2.67	4.87	6.28	7.41	6.78
Solid / liquid / gas	-	-	-	-	0.25	0.25	0.25	0.25
Type of generation								
Steam	..	-	8.52	9.43	12.44	13.24	12.97	15.18
Internal combustion	..	-	0.23	1.50	1.58	2.34	2.34	2.43
Gas turbine	..	-	0.45	0.85	2.09	1.51	1.28	1.27
Combined cycle	..	-	6.85	14.08	16.08	17.72	21.71	22.54
Other	..	9.54	-	0.04	0.10	0.22	0.32	0.34
Peak load	2.30	9.18	19.39	25.17	33.39	39.05	38.27	41.00
Of which Autoproducers	**0.43**	**1.19**	**3.00**	**4.06**	**3.14**	**3.20**	**3.42**	**0.03**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.01	0.01	0.04	0.56	0.54	0.54	0.54	-
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	0.01	-
Other (e.g. fuel cells)	-	-	-	-	-	-	0.04	0.02
Combustible fuels	0.42	1.18	2.96	3.50	2.60	2.66	2.84	0.01

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

Turkey

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***41.2***	***40.3***	***52.3***	***47.6***	***48.7***	***47.9***	***42.8***	***41.4***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*26.4*	*39.1*	*31.5*	*35.0*	*37.4*	*33.7*	*30.4*	*19.6*
Geothermal	-	*50.7*	*48.2*	*71.5*	*81.1*	*63.4*	*50.1*	*66.6*
Solar PV	-	-	-	-	-	-	-	*4.9*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*19.8*	*32.1*	*25.2*	*29.6*	*31.3*	*26.8*
Other (e.g. fuel cells)	-	-	-	-	-	-	*60.6*	*56.2*
Combustible fuels	*50.6*	*41.1*	*66.8*	*53.9*	*55.1*	*57.0*	*50.7*	*54.7*
Of which autoproducers	***22.6***	***32.1***	***60.8***	***48.0***	***45.2***	***47.3***	***43.6***	***1877.6***
Nuclear	-	-	-	-	-	-	-	-
Hydro	*27.6*	*10.4*	*18.0*	*16.9*	*25.7*	*34.8*	*22.6*	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	*45.7*	*22.8*	*22.8*	*22.8*	*9.1*	-
Other (e.g. fuel cells)	-	-	-	-	-	-	*60.6*	*106.5*
Combustible fuels	*22.5*	*32.3*	*61.4*	*53.1*	*49.3*	*49.8*	*47.5*	*3716.7*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

United Kingdom

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**273.13**	**319.74**	**377.07**	**398.36**	**381.77**	**359.17**	**338.93**	**337.70**
- Own use by power plant	18.83	19.61	16.30	17.87	16.11	17.89	16.52	-
Net production	**254.30**	**300.13**	**360.77**	**380.48**	**365.66**	**341.28**	**322.41**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.90	2.63	3.50	3.71	4.21	3.93	3.88	3.35
+ Imports	0.23	11.99	14.31	11.16	7.14	17.53	23.24	22.72
- Exports	0.18	0.05	0.13	2.84	4.48	3.10	2.72	1.78
Electrical energy supplied	**253.46**	**309.45**	**371.44**	**385.10**	**364.11**	**351.78**	**339.04**	**..**
- Transmission & distr. losses	18.22	25.03	31.14	27.90	26.61	26.69	28.01	..
- Statistical difference	-	-	-	0.00	0.00	0.00	-	..
Total consumption	235.23	284.42	340.30	357.20	337.50	325.09	311.03	..
Energy industry consumption[2]	**8.59**	**9.98**	**10.88**	**8.52**	**8.54**	**7.96**	**7.47**	**..**
Coal Mines	4.43	4.66	1.28	1.17	1.04	0.87	0.78	..
Oil + Gas Extraction	-	0.40	0.53	0.51	0.56	0.57	0.52	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	0.23	-	-	-	-	-	-	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	0.51	-	-	-	-	-	-	..
Blast Furnaces	-	0.81	0.88	0.52	0.30	0.44	0.44	..
Oil Refineries	3.42	3.91	6.36	4.46	5.03	4.68	4.55	..
Nuclear Industry	-	0.09	0.12	0.09	0.05	0.04	0.03	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	0.12	1.71	1.78	1.56	1.36	1.15	..
Final consumption	**226.65**	**274.43**	**329.42**	**348.68**	**328.96**	**317.13**	**303.56**	**..**
Industry	**86.87**	**100.64**	**114.11**	**116.03**	**104.65**	**97.82**	**93.53**	**..**
Iron and steel	12.15	9.07	6.35	5.02	3.84	3.80	3.79	..
Chem. and petrochemical	20.03	18.19	23.73	21.13	18.45	17.27	16.03	..
Non-ferrous metals	7.26	6.71	6.15	7.69	6.73	4.43	4.46	..
Non-metallic minerals	4.84	7.51	8.11	7.98	7.27	6.73	6.39	..
Transport equipment	5.61	-	6.32	5.84	5.28	5.07	4.69	..
Machinery	10.78	20.90	15.62	16.05	14.31	13.24	12.60	..
Mining and quarrying	1.72	-	-	-	0.13	0.15	0.15	..
Food and tobacco	6.62	10.94	11.72	12.27	11.52	11.08	10.41	..
Paper, pulp and printing	5.59	7.98	11.42	13.23	10.95	10.81	10.53	..
Wood and wood products	0.80	-	-	-	-	-	-	..
Construction	0.72	1.28	1.59	1.93	1.62	1.46	1.37	..
Textile and leather	5.65	3.03	3.60	3.39	3.05	2.89	2.71	..
Non specified/other	5.10	15.03	19.51	21.50	21.50	20.89	20.40	..
Transport	**2.71**	**5.28**	**8.62**	**4.06**	**4.25**	**4.27**	**4.26**	**..**
Rail Transport	2.71	2.70	2.70	4.04	4.23	4.24	4.19	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	0.02	0.02	0.03	0.07	..
Transport Non Specified	-	2.58	5.92	-	-	-	-	..
Commercial & publ. serv.	**40.49**	**70.87**	**90.49**	**98.88**	**97.19**	**97.72**	**93.17**	**..**
Residential	**92.63**	**93.79**	**111.84**	**125.71**	**118.83**	**113.45**	**108.88**	**..**
Agriculture	**3.94**	**3.84**	**4.36**	**4.00**	**4.03**	**3.87**	**3.73**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	-	-	-	-	-	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

United Kingdom

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**74.22**	**73.21**	**78.39**	**82.38**	**93.75**	**95.97**	**95.11**	**97.01**
Nuclear	4.28	11.35	12.49	11.85	10.87	9.95	9.91	9.94
Hydro	2.41	3.90	4.27	4.29	4.39	4.44	4.45	4.47
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	*2.79*	*2.79*	*2.79*	*2.74*	*2.74*	*2.74*	*2.74*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	0.01	0.10	1.76	2.85	5.38
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.01	0.41	1.57	5.40	8.90	11.21	12.99
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	67.53	57.95	61.22	64.66	73.00	70.93	66.68	64.24
of which[2]*:*								
Single-fired:								
Coal and Coal products	45.12	35.40	25.90	23.57	24.13	24.16	22.68	20.93
Liquid fuels	18.93	15.92	5.19	5.45	6.33	4.94	3.94	4.04
Natural gas	-	-	21.14	26.45	34.03	35.36	35.13	33.78
Biofuels & waste	-	0.12	0.79	1.61	1.10	1.98	2.63	3.05
Multi-fired:								
Solid / liquid	1.92	5.41	7.14	6.64	6.38	3.39	1.40	1.43
Solid / natural gas	1.57	0.37	0.33	0.30	0.33	0.34	0.28	0.31
Liquid / natural gas	-	0.73	0.73	0.65	0.72	0.75	0.62	0.69
Solid / liquid / gas	-	-	-	-	-	-	-	-
Type of generation								
Steam	-	53.86	36.50	32.78	33.10	28.80	24.64	22.97
Internal combustion	-	0.17	0.18	0.16	0.12	0.12	0.11	0.12
Gas turbine	-	3.80	2.56	1.84	2.07	1.94	2.06	2.04
Combined cycle	-	-	21.14	26.45	34.03	35.36	35.13	33.78
Other	-	0.12	0.84	3.43	3.68	4.71	4.75	5.32
Peak load	..	54.07	58.45	61.70	60.89	57.49	53.42	53.86
Of which Autoproducers	**5.08**	**4.18**	**6.36**	**8.37**	**7.77**	**9.67**	**11.29**	**13.95**
Nuclear	0.54	0.62	-	-	-	-	-	-
Hydro	0.11	0.10	0.16	0.16	0.18	0.22	0.23	0.25
of which: mixed plants	-	-	-	-	-	-	-	-
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	-	0.01	0.10	1.76	2.85	5.38
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.01	0.41	1.57	1.06	1.28	2.04	2.45
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	4.43	3.45	5.79	6.63	6.43	6.41	6.17	5.88

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

United Kingdom

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***42.0***	***49.9***	***54.9***	***55.2***	***46.5***	***43.3***	***43.1***	***39.9***
Nuclear	*89.6*	*66.1*	*77.8*	*78.6*	*65.3*	*80.8*	*81.4*	*73.2*
Hydro	*22.7*	*21.1*	*20.8*	*20.9*	*17.5*	*21.2*	*19.5*	*22.4*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*5.7*	*8.3*	*4.9*	*8.8*	*8.0*	*8.6*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	*22.8*	*15.2*	*22.8*	*7.6*
Wind	-	*10.3*	*26.2*	*21.2*	*21.7*	*25.4*	*28.9*	*28.1*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*39.7*	*48.6*	*52.8*	*54.0*	*47.3*	*42.5*	*42.9*	*40.9*
Of which autoproducers	***51.0***	***58.0***	***70.7***	***61.9***	***61.1***	***48.6***	***39.1***	***35.0***
Nuclear	*90.1*	*81.8*	-	-	-	-	-	-
Hydro	*60.3*	*92.0*	*54.6*	*79.2*	*53.5*	*58.4*	*54.0*	*58.0*
Geothermal	-	-	-	-	-	-	-	-
Solar PV	-	-	*5.7*	*8.3*	*4.9*	*8.8*	*8.0*	*8.6*
Solar thermal	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	*22.8*	*15.2*	*22.8*	*7.6*
Wind	-	*10.3*	*26.2*	*21.2*	*22.0*	*24.1*	*25.0*	*24.5*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
Combustible fuels	*46.0*	*52.9*	*74.3*	*71.2*	*68.7*	*64.1*	*57.7*	*62.6*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)

United States

Table 3a. Summary electricity production and consumption[1] (TWh)

	1974	1990	2000	2005	2010	2013	2014	2015e
Gross production	**1957.34**	**3218.62 e**	**4052.67 e**	**4294.37 e**	**4378.43 e**	**4306.37 e**	**4339.21 e**	**4312.20**
- Own use by power plant	90.20	188.78	235.94 e	206.41	219.47	212.97	216.82	-
Net production	**1867.14**	**3029.84 e**	**3816.73 e**	**4087.96 e**	**4158.96 e**	**4093.40 e**	**4122.39 e**	**-**
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	22.58	31.74	32.04	29.57	23.94	26.23	25.18
+ Imports	15.42	22.51	48.59	44.53	45.08	70.36	66.51	75.60
- Exports	2.73	20.53	14.68	19.80	19.11	11.35	13.30	9.15
Electrical energy supplied	**1879.83**	**3009.24 e**	**3818.90 e**	**4080.65 e**	**4155.37 e**	**4128.47 e**	**4149.38 e**	**..**
- Transmission & distr. losses	162.98	296.68	229.12 e	269.16	261.00	255.32	255.32	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	1716.86	2712.56 e	3589.78 e	3811.49 e	3894.37 e	3873.14 e	3894.06 e	..
Energy industry consumption[2]	**47.72**	**78.98**	**90.32**	**79.96**	**106.05**	**105.58**	**106.26**	**..**
Coal Mines	8.41	14.06	12.92	9.42	12.48	10.69	10.10	..
Oil + Gas Extraction	13.60	32.34	28.68	27.38	28.90	30.68	32.00	..
Patent Fuel Plants	-	-	-	-	-	-	-	..
Coke Ovens	-	-	-	0.54	0.53	0.54	0.53	..
BKB plants	-	-	-	-	-	-	-	..
Gas Works	-	-	-	-	-	-	-	..
Blast Furnaces	-	-	-	3.45	3.27	3.35	3.31	..
Oil Refineries	25.71	32.58	48.72	36.60	46.23	46.08	46.08	..
Nuclear Industry	-	-	-	-	-	-	-	..
Coal Liquefaction Plants	-	-	-	-	-	-	-	..
LNG/Regasification Plants	-	-	-	-	-	-	-	..
Energy - Non Specified	-	-	-	2.57	14.64	14.24	14.24	..
Final consumption	**1669.14**	**2633.58 e**	**3499.46 e**	**3731.53 e**	**3788.32 e**	**3767.56 e**	**3787.79 e**	**..**
Industry	**648.09**	**866.54**	**1142.11**	**898.15**	**826.43**	**846.49**	**821.04**	**..**
Iron and steel	72.78	72.89	75.54	54.80	44.17	46.91	46.35	..
Chem. and petrochemical	148.43	204.93	263.12	144.16	126.01	111.60	111.03	..
Non-ferrous metals	113.51	55.81	94.35	69.08	40.16	68.56	71.39	..
Non-metallic minerals	29.19	34.31	39.88	44.36	30.06	30.85	31.88	..
Transport equipment	28.43	38.38	60.18	52.02	42.65	49.00	50.23	..
Machinery	51.26	119.78	137.54	124.62	142.58	140.59	140.91	..
Mining and quarrying	26.37	33.58	36.96	27.69	33.77	31.83	32.24	..
Food and tobacco	38.18	59.62	75.83	82.49	77.28	74.26	74.05	..
Paper, pulp and printing	50.23	126.25	133.24	81.99	70.47	59.30	56.58	..
Wood and wood products	18.76	28.75	32.85	23.32	18.41	18.88	19.51	..
Construction	-	-	-	33.43	55.81	54.83	55.31	..
Textile and leather	35.84	37.34	38.19	29.61	17.00	16.73	16.71	..
Non specified/other	35.12	54.92	154.44 e	130.59	128.06	143.14	114.87	..
Transport	**3.94**	**4.13**	**4.42**	**6.22**	**6.42**	**7.23**	**7.61**	**..**
Rail Transport	3.94	4.13	4.42	6.13	6.32	6.63	6.72	..
Pipeline Transport	-	-	-	-	-	-	-	..
Road	-	-	-	0.08	0.10	0.60	0.88	..
Transport Non Specified	-	-	-	-	-	-	-	..
Commercial & publ. serv.	**438.92**	**838.89**	**1160.31**	**1275.08**	**1330.20**	**1338.39**	**1349.93**	**..**
Residential	**578.18**	**924.02**	**1192.45**	**1359.23**	**1445.71**	**1391.03**	**1416.98**	**..**
Agriculture	**-**	**-**	**-**	**41.05**	**38.39**	**29.70**	**27.67**	**..**
Fishing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**..**
Sector non specified	-	-	0.18 e	151.81 e	141.17 e	154.72 e	164.57 e	..

1. Electricity generation from main activity producer power plants and autoproducers .

2. Energy industry consumption = electricity consumed by transformation industries for heating, traction and lighting purposes; excludes own use by power plant and electricity used for heat pumps, electric boilers and pumped storage.

United States

Table 7. Net maximum electricity generating capacity on 31 December (GW)

	1974	1990	2000	2005	2010	2012	2013	2014
Total capacity[1]	**420.10**	**733.59 e**	**811.35 e**	**978.54 e**	**1041.01 e**	**1067.88 e**	**1065.29 e**	**1073.44 e**
Nuclear	31.66	99.64	97.86	99.99	101.17	101.89	99.24	98.57
Hydro	-	92.36	97.60	98.89	101.02	101.11	101.59	102.16
of which: mixed plants	-	-	*11.14*	*12.22*	*12.31*	*12.33*	*12.33*	*12.34*
of which: pure pumped storage	-	-	*15.43*	*17.77*	*18.51*	*18.67*	*18.69*	*18.78*
Geothermal	-	2.67	2.79	2.29	2.41	2.59	2.61	2.51
Solar PV	-	- e	0.18 e	0.49 e	2.91 e	8.14 e	11.76 e	14.88 e
Solar thermal	-	0.34	0.42	0.39	0.47	0.48	1.29	1.67
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	1.91	2.38	8.71	39.13	59.08	59.97	64.23
Other (e.g. fuel cells)	-	-	-	0.48	0.35	1.26	1.54	2.01
Combustible fuels	388.44	536.67	610.12	767.32	793.55	793.35	787.30	787.41
of which[2]*:*								
Single-fired:								
Coal and Coal products	174.32	270.66	321.06 e	315.44	318.96	311.47	304.68	300.28
Liquid fuels	80.45	56.02	35.55	58.55	55.65	46.89	43.25	40.86
Natural gas	59.55	33.40	95.75	383.06	407.03	422.37	425.39	432.15
Biofuels & waste	0.06	7.58	10.27 e	10.26	11.91	12.63	13.98	14.12
Multi-fired:								
Solid / liquid	12.40	8.13	-	-	-	-	-	-
Solid / natural gas	12.07	26.03	-	-	-	-	-	-
Liquid / natural gas	47.27	131.71	147.49	-	-	-	-	-
Solid / liquid / gas	2.32	3.14	-	-	-	-	-	-
Type of generation								
Steam	-	463.71	464.37	449.17	438.84	421.90	411.32	404.39
Internal combustion	-	4.81	7.01	7.74	8.97	9.52	9.55	9.99
Gas turbine	-	47.23	81.93	131.76	138.02	139.74	142.75	142.54
Combined cycle	-	20.20	55.82	178.44	207.47	221.95	223.40	230.19
Other	-	0.71	0.99	0.21	0.24	0.24	0.29	0.30
Peak load	..	546.00	678.41	758.88	767.95	767.76	758.95	777.39
Of which Autoproducers	**-**	**43.12 e**	**185.10 e**	**29.97 e**	**32.36 e**	**36.46 e**	**37.52 e**	**37.09 e**
Nuclear	-	0.02	-	-	-	-	-	-
Hydro	-	1.48	1.07	0.69	0.36	0.66	0.68	0.31
of which: mixed plants	-	-	-	-	-	-	-	*0.01*
of which: pure pumped storage	-	-	-	-	-	-	-	-
Geothermal	-	1.06	-	-	-	-	-	-
Solar PV	-	- e	0.17 e	0.48 e	2.52 e	5.55 e	6.62 e	6.45 e
Solar thermal	-	0.34	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	1.91	-	-	0.01	0.04	0.05	0.08
Other (e.g. fuel cells)	-	-	-	0.44	0.35	0.94	0.92	1.05
Combustible fuels	-	38.33	183.86	28.36	29.12	29.27	29.25	29.20

1. Sum of available capacity figures

2. Breakdown of electrical capacity by type of fuel are shown in the individual country chapters.

United States

Table 8. Capacity factors (%)

	1974	1990	2000	2005	2010	2012	2013	2014
Total plants[1]	***53.2***	***50.1 e***	***57.0 e***	***50.1 e***	***48.0 e***	***45.9 e***	***46.2 e***	***46.2 e***
Nuclear	*43.7*	*70.1*	*93.1*	*92.6*	*94.7*	*89.8*	*94.6*	*96.2*
Hydro	-	*35.7*	*32.8*	*34.4*	*32.4*	*33.7*	*32.6*	*31.5*
Geothermal	-	*68.5*	*59.8*	*83.8*	*83.4*	*79.9*	*80.7*	*85.0*
Solar PV	-	*- e*	*11.9 e*	*12.1 e*	*12.0 e*	*12.9 e*	*14.4 e*	*16.8* e
Solar thermal	-	*22.3*	*14.3*	*17.5*	*21.3*	*23.0*	*9.0*	*18.4*
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*18.3*	*27.1*	*23.5*	*27.8*	*27.4*	*32.3*	*32.7*
Other (e.g. fuel cells)	-	-	-	*15.5*	*123.2*	*37.6*	*32.3*	*24.7*
Combustible fuels	*45.0*	*48.9 e*	*55.3 e*	*46.9*	*45.1*	*43.4*	*43.3*	*43.4*
Of which autoproducers	**-**	***61.1 e***	***11.8 e***	***60.6 e***	***57.8 e***	***54.5 e***	***54.2 e***	***53.2*** e
Nuclear	-	*69.7*	-	-	-	-	-	-
Hydro	-	*48.3*	*45.8*	*55.4*	*56.2*	*41.3*	*59.5*	*49.7*
Geothermal	-	*74.8*	-	-	-	-	-	-
Solar PV	-	*- e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0 e*	*12.0* e
Solar thermal	-	*22.5*	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	*18.3*	-	-	*15.2*	*21.7*	*22.8*	*24.0*
Other (e.g. fuel cells)	-	-	-	*16.8*	*109.9*	*43.8*	*47.8*	*42.7*
Combustible fuels	-	*63.6 e*	*11.6 e*	*62.3*	*61.2*	*63.3*	*63.8*	*62.7*

1. The capacity factor is defined as: the annual gross electricity generation (in GWh) divided by the net capacity (in GW) times 365 (days/year) times 24 (hours/day)