AUSTRALIA

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**64.8**	**96.1**	**155.0**	**210.2**	**228.7**	**252.2**	**252.6**	**252.3**
Nuclear	-	-	-	-	-	-	-	-
Hydro	11.8	13.8	14.9	16.7	15.6	13.5	16.8	14.1
of which:								
pumped storage production	*0.4*	*0.8*	*0.7*	*0.4*	*0.3*	*0.0*	*0.1*	*0.1*
Geothermal	-	-	-	-	-	0.0	0.0	-
Solar	-	-	-	0.0	0.1	0.3	0.9	1.5
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.1	0.9	5.1	5.8	6.1
Combustible fuels	53.0	82.3	140.1	193.4	212.1	233.3	229.2	230.6
Coal	*48.2*	*69.8*	*121.5*	*174.2 e*	*181.6*	*180.9*	*173.3*	*175.8*
Oil	*1.7*	*5.2*	*3.6*	*1.8 e*	*2.8*	*4.4*	*4.1*	*3.6*
Natural gas	*2.8*	*7.0*	*14.4*	*16.2 e*	*23.8*	*45.2*	*49.7*	*48.9*
Biofuels & waste	*0.3*	*0.4*	*0.8*	*1.1 e*	*3.8*	*2.8*	*2.1*	*2.3*
Other (e.g. fuel cells)	-	-	-	-	-	-	-	-
- Own use by power plant	3.6	3.6	10.1	14.8	14.1	16.4	16.7	..
Net production	**61.2**	**92.5**	**144.9**	**195.4**	**214.5**	**235.8**	**235.9**	**..**
Nuclear	..	-	-	-	-	-	-	..
Hydro	..	13.6	14.9	16.7	15.6	13.5	16.8	..
Geothermal	..	-	-	-	-	0.0	0.0	..
Solar	..	-	-	0.0	0.1	0.3	0.9	..
Tide, wave, ocean	..	-	-	-	-	-	-	..
Wind	..	-	-	0.1	0.9	5.1	5.8	..
Combustible fuels	..	78.8	130.0	178.6	198.0	216.9	212.5	..
Other (e.g. fuel cells)	..	-	-	-	-	-	-	..
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.6	1.2	1.1	0.6	0.5	0.1	0.1	0.1
+ Imports	-	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**60.7**	**91.3**	**143.8**	**194.8**	**214.0**	**235.7**	**235.9**	**..**
- Transmission & distr. losses	8.2	9.2	9.5	15.0	15.4	15.5	13.3	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	**52.5**	**82.1**	**134.3**	**179.9**	**198.7**	**220.2**	**222.5**	**..**
- Energy industry consumption[2]	-	2.9	5.1	7.1	9.4	11.1	11.6	..
Final consumption	**52.5**	**79.2**	**129.2**	**172.7**	**189.2**	**209.1**	**210.9**	**..**
Industry	23.2	32.5	59.2	77.0	74.1	80.0	81.8	..
Transport	0.7	0.9	1.8	2.3	3.5	3.9	3.9	..
Commercial & publ. serv.	8.9	15.5	27.3	41.7	54.5	61.4	61.1	..
Residential	18.7	29.0	38.5	48.8	54.8	61.4	62.0	..
Agriculture & fishing	1.0	1.4	2.4	2.9	2.4	2.4	2.2	..
Sector non specified	-	-	-	-	-	-	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

AUSTRALIA

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**70.02**	**96.07**	**155.02**	**210.22**	**248.75**	**252.16**	**252.62**	**5.1**	**2.4**
- Hydro pumped storage	*0.41*	*0.84*	*0.73*	*0.36*	*0.07*	*0.05*	*0.05*	*3.6*	*-11.9*
Total generation(1)	**69.60**	**95.23**	**154.29**	**209.86**	**248.69**	**252.11**	**252.57**	**5.1**	**2.4**
Main activity producers									
Gross production	63.13	88.14	148.55	200.72	232.68	235.87	235.23	5.5	2.2
- Hydro pumped storage	*0.41*	*0.84*	*0.73*	*0.36*	*0.07*	*0.05*	*0.05*	*3.6*	*-11.9*
Total generation(1)	62.71	87.30	147.82	200.36	232.61	235.82	235.18	5.5	2.2
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	13.16	12.88	14.15	16.36	11.80	13.50	16.76	0.5	0.8
Geothermal	-	-	-	-	-	0.00	0.00	-	-
Solar, wind, tide(2)	-	-	-	0.06	3.83	5.06	5.81	-	-
Coal	44.53	66.47	119.27	172.56	185.46	180.47	172.91	6.4	1.8
Oil	1.83	1.64	1.49	0.76	1.03	0.82	0.39	-1.3	-6.3
Natural gas	3.10	6.30	12.91	10.62	29.38	34.88	38.28	9.3	5.3
Biofuels & waste	0.10	-	-	-	1.12	1.10	1.04	-	-
Autoproducers									
Gross production	6.89	7.94	6.47	9.50	16.07	16.29	17.39	-0.4	4.8
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	6.89	7.94	6.47	9.50	16.07	16.29	17.39	-0.4	4.8
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	0.04	0.06	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	0.04	0.16	0.28	0.85	-	-
Coal	2.65	3.29	2.21	1.68	0.37	0.42	0.38	-1.1	-8.0
Oil	3.33	3.53	2.06	1.02	3.16	3.54	3.72	-3.0	2.9
Natural gas	0.53	0.67	1.45	5.63	10.69	10.37	11.38	6.5	10.3
Biofuels & waste	0.33	0.39	0.75	1.13	1.70	1.68	1.07	5.2	1.7

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

AUSTRALIA

9. Electricity and heat produced for sale from combustible fuels in combined heat and power plants (CHP plants)

	1980	1990	2000	2009	2010	2011	Average annual percent change 1990-2011
Hard coal[1] and patent fuel							
Fuel input (1000 t)	-	-	-	413	408	417	-
Fuel input (TJ)	-	-	-	8026	7944	8116	-
Electricity production (GWh)	-	-	-	758	808	832	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Brown coal							
Fuel input (1000 t)	-	1236	-	1444	1431	1403	0.6
Fuel input (TJ)	-	12211	-	14870	14741	14452	0.8
Electricity production (GWh)	-	531	-	1137	1119	1104	3.5
CHP Heat production (TJ)	5443	2269	-	-	-	-	-
Peat							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Coal manufactured gases[2]							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Petroleum products							
Fuel input (1000 t)	-	-	- e	50	24	32	-
Fuel input (TJ)	-	-	- e	2350	1144	1490	-
Electricity production (GWh)	-	-	-	892	1312	1074	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Natural gas[2]							
Fuel input (TJ)	-	-	- e	71953	67281	78157	-
Electricity production (GWh)	-	-	-	6734	7042	7727	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Wood and other solid waste							
Fuel input (TJ)	-	29683 e	23310 e	19637	16927	11286	-4.5
Electricity production (GWh)	-	750	685 e	1622	1585	968	1.2
CHP Heat production (TJ)	-	-	-	-	-	-	-
Industrial waste							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Municipal waste							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Biogases and liquid biofuels							
Fuel input (TJ)	-	-	5780	875	1083	1201	-
Electricity production (GWh)	-	-	449	75	92	98	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Total combustible fuels[3]							
Electricity production (GWh)	-	1281	1134	11218	11958	11803	11.2
CHP Heat production (TJ)	5443	2269	-	-	-	-	-

Source: IEA/OECD Electricity Statistics.

(1) Includes sub-bituminous coal.

(2) Coal manufactured gases and natural gas are expressed on a gross calorific value basis.

(3) Includes non-specified combustible fuels not shown in this table.

Note: Please refer to notes in the introductory information for data coverage.

AUSTRIA

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**31.3**	**42.0**	**50.3**	**61.3**	**66.4**	**71.1**	**65.7**	**68.4**
Nuclear	-	-	-	-	-	-	-	-
Hydro	19.2	29.1	32.5	43.2	39.0	41.6	37.7	43.4
of which:								
pumped storage production	*0.4*	*0.4*	*1.0*	*1.4*	*2.3*	*3.2*	*3.5*	*3.9*
Geothermal	-	-	-	-	0.0	0.0	0.0	0.0
Solar	-	-	-	0.0	0.0	0.1	0.2	0.3
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.1	1.3	2.1	1.9	2.5
Combustible fuels	12.2	12.9	17.8	17.9	26.0	27.4	25.9	22.1
Coal	*3.2*	*2.9*	*7.0*	*6.7*	*8.5*	*6.7*	*7.3*	*6.2*
Oil	*4.3*	*5.8*	*1.9*	*1.7*	*1.6*	*1.3*	*1.0*	*0.7*
Natural gas	*4.4*	*3.8*	*7.7*	*7.9*	*13.0*	*14.3*	*12.4*	*9.7*
Biofuels & waste	*0.2*	*0.3*	*1.2*	*1.7*	*2.9*	*5.1*	*5.1*	*5.4*
Other (e.g. fuel cells)	-	-	-	0.0	0.0	0.0	0.0	0.0
- Own use by power plant	1.0	1.2	1.9	2.2	2.9	2.6	2.4	..
Net production	**30.3**	**40.8**	**48.4**	**59.1**	**63.5**	**68.6**	**63.3**	**..**
Nuclear	..	-	-	-	-	-	-	..
Hydro	..	28.9	31.7	41.7	37.3	40.2	36.4	..
Geothermal	..	-	-	-	0.0	0.0	0.0	..
Solar	..	-	-	0.0	0.0	0.1	0.2	..
Tide, wave, ocean	..	-	-	-	-	-	-	..
Wind	..	-	-	0.1	1.3	2.1	1.9	..
Combustible fuels	..	11.9	16.7	17.2	24.9	26.2	24.8	..
Other (e.g. fuel cells)	..	-	-	0.0	0.0	0.0	0.0	..
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	0.0	0.0	-	-	-	-
- Used for pumped storage	0.6	0.5	1.4	1.9	3.3	4.6	5.1	5.6
+ Imports	3.3	3.2	6.8	13.8	20.4	19.9	25.0	23.3
- Exports	4.8	7.1	7.3	15.2	17.7	17.6	16.8	20.5
Electrical energy supplied	**28.2**	**36.3**	**46.5**	**55.8**	**62.9**	**66.3**	**66.5**	**..**
- Transmission & distr. losses	2.3	2.6	2.9	3.2	3.4	3.6	3.5	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	**25.9**	**33.7**	**43.6**	**52.6**	**59.4**	**62.7**	**63.0**	**..**
- Energy industry consumption[2]	0.6	0.6	0.8	1.0	1.1	1.4	1.4	..
Final consumption	**25.3**	**33.0**	**42.8**	**51.5**	**58.3**	**61.3**	**61.5**	**..**
Industry	12.1	14.2	18.0	20.7	25.5	26.9	26.8	..
Transport	1.8	2.3	2.8	3.5	3.4	3.4	3.1	..
Commercial & publ. serv.	4.5	6.7	9.1	11.6	11.0	12.1	13.0	..
Residential	6.1	8.8	11.9	15.0	17.5	18.1	17.8	..
Agriculture & fishing	0.8	1.1	1.1	0.8	0.8	0.8	0.8	..
Sector non specified	-	-	-	-	-	-	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

AUSTRIA

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**33.88**	**41.97**	**50.29**	**61.26**	**69.08**	**71.12**	**65.70**	**2.5**	**1.3**
- Hydro pumped storage	*0.48*	*0.37*	*1.00*	*1.38*	*2.77*	*3.20*	*3.54*	*4.7*	*6.2*
Total generation(1)	**33.41**	**41.60**	**49.30**	**59.87**	**66.31**	**67.93**	**62.16**	**2.5**	**1.1**
Main activity producers									
Gross production	28.48	36.36	43.40	52.81	60.60	61.73	56.32	2.7	1.2
- Hydro pumped storage	*0.48*	*0.37*	*1.00*	*1.38*	*2.77*	*3.20*	*3.54*	*4.7*	*6.2*
Total generation(1)	28.01	35.99	42.41	51.43	57.82	58.53	52.78	2.6	1.0
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	20.12	26.65	29.11	39.75	39.62	37.31	33.20	2.3	0.6
Geothermal	-	-	-	-	0.00	0.00	0.00	-	-
Solar, wind, tide(2)	-	-	-	0.07	2.02	2.15	2.11	-	-
Coal	2.85	2.50	5.97	5.43	3.57	4.72	5.22	4.7	-0.6
Oil	1.83	4.27	1.30	0.92	0.46	0.58	0.29	-2.1	-6.9
Natural gas	3.20	2.58	5.99	5.14	9.62	11.24	9.45	4.0	2.2
Biofuels & waste	-	-	0.03	0.12	2.54	2.53	2.52	-	24.3
Autoproducers									
Gross production	5.40	5.61	6.89	8.45	8.48	9.40	9.38	1.5	1.5
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	5.40	5.61	6.89	8.45	8.48	9.40	9.38	1.5	1.5
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	2.06	2.08	2.40	2.09	1.26	1.08	0.98	0.9	-4.2
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	0.02	0.02	0.02	0.01	-	-
Coal	0.51	0.42	1.03	1.31	1.46	1.98	2.11	4.5	3.5
Oil	1.24	1.54	0.58	0.78	0.68	0.69	0.72	-4.6	1.1
Natural gas	1.38	1.24	1.73	2.71	2.72	3.10	2.95	1.4	2.6
Biofuels & waste	0.21	0.32	1.15	1.54	2.35	2.54	2.61	11.1	4.0

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

AUSTRIA

9. Electricity and heat produced for sale from combustible fuels in combined heat and power plants (CHP plants)

	1980	1990	2000	2009	2010	2011	Average annual percent change 1990-2011
Hard coal and patent fuel							
Fuel input (1000 t)	-	457	209	180	180	184	-4.2
Fuel input (TJ)	-	12782	5694	5043	4819	5031	-4.3
Electricity production (GWh)	-	1037	446	324	320	341	-5.2
CHP Heat production (TJ)	-	2590	2416	2628	2580	2703	0.2
Brown coal							
Fuel input (1000 t)	-	935	61	-	-	-	-
Fuel input (TJ)	-	10185	792	-	-	-	-
Electricity production (GWh)	-	853	79	-	-	-	-
CHP Heat production (TJ)	-	1926	270	-	-	-	-
Peat							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Coal manufactured gases[1]							
Fuel input (TJ)	-	8207	1289	1194	1204	1311	-8.4
Electricity production (GWh)	-	815	132	65	72	137	-8.1
CHP Heat production (TJ)	-	381	261	515	487	317	-0.9
Petroleum products							
Fuel input (1000 t)	-	563	298	237	316	227	-4.2
Fuel input (TJ)	-	23400	11775	9285	12394	8837	-4.5
Electricity production (GWh)	-	1744	801	577	923	653	-4.6
CHP Heat production (TJ)	-	4778	7147	5058	6010	3871	-1.0
Natural gas[1]							
Fuel input (TJ)	-	32408	39907	54034	67175	59781	3.0
Electricity production (GWh)	-	3555	3117	5445	7285	5969	2.5
CHP Heat production (TJ)	-	5460	15548	19759	23102	21545	6.8
Wood and other solid waste							
Fuel input (TJ)	3257	4200	8930	27629	32168	32310	10.2
Electricity production (GWh)	324	583	1073	2043	2380	2539	7.3
CHP Heat production (TJ)	-	-	929	12277	16388	15964	-
Industrial waste							
Fuel input (TJ)	-	2542	1018	2620	2725	2362	-0.3
Electricity production (GWh)	-	38	28	259	228	230	9.0
CHP Heat production (TJ)	-	749	642	608	771	653	-0.7
Municipal waste							
Fuel input (TJ)	-	1724	2233	4828	5005	6275	6.3
Electricity production (GWh)	-	26	46	125	145	179	9.6
CHP Heat production (TJ)	-	1345	1595	3427	3826	4335	5.7
Biogases and liquid biofuels							
Fuel input (TJ)	-	-	95	913	874	666	-
Electricity production (GWh)	-	-	15	55	70	76	-
CHP Heat production (TJ)	-	-	-	489	407	243	-
Total combustible fuels[2]							
Electricity production (GWh)	324	8651	5737	8893	11423	10124	0.8
CHP Heat production (TJ)	7817	17229	28808	44761	53571	49631	5.2

Source: IEA/OECD Electricity Statistics.

(1) Coal manufactured gases and natural gas are expressed on a gross calorific value basis.

(2) Includes non-specified combustible fuels not shown in this table.

Note: Please refer to notes in the introductory information for data coverage.

BELGIUM

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**41.1**	**53.6**	**70.9**	**84.0**	**87.0**	**95.1**	**90.2**	**78.6**
Nuclear	0.1	12.5	42.7	48.2	47.6	47.9	48.2	40.3
Hydro	0.6	0.8	0.9	1.7	1.6	1.7	1.4	1.7
of which:								
pumped storage production	*0.5*	*0.6*	*0.6*	*1.2*	*1.3*	*1.4*	*1.2*	*1.3*
Geothermal	-	-	-	-	-	-	-	-
Solar	-	-	-	-	0.0	0.6	1.2	1.7
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	0.0	0.0	0.2	1.3	2.3	2.8
Combustible fuels	40.4	40.3	27.3	34.1	37.3 e	43.4	37.0	32.0
Coal	*8.8*	*15.6*	*19.9*	*16.0*	*10.5*	*5.9*	*5.4*	*5.5*
Oil	*21.8*	*18.4*	*1.3*	*0.8*	*1.7*	*0.4*	*0.3*	*0.1*
Natural gas	*9.6*	*6.0*	*5.4*	*16.0*	*22.8*	*31.4*	*25.4*	*20.6*
Biofuels & waste	*0.1*	*0.3*	*0.7*	*1.3*	*2.3*	*5.6*	*5.9*	*5.8*
Other (e.g. fuel cells)	-	-	-	-	0.3	0.3	0.1	0.2
- Own use by power plant	1.9	2.6	3.7	3.7	3.6	3.7	3.5	..
Net production	**39.1**	**51.0**	**67.3**	**80.3**	**83.4**	**91.4**	**86.7**	**..**
Nuclear	..	11.9	40.5	45.7	45.3	45.7	45.9	..
Hydro	..	0.8	0.9	1.7	1.6	1.6	1.4	..
Geothermal	..	-	-	-	-	-	-	..
Solar	..	-	-	-	0.0	0.6	1.2	..
Tide, wave, ocean	..	-	-	-	-	-	-	..
Wind	..	-	0.0	0.0	0.2	1.3	2.3	..
Combustible fuels	..	38.3	25.8	32.8	36.0	42.0	35.8	..
Other (e.g. fuel cells)	..	-	-	-	0.2	0.2	0.1	..
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.6	0.7	0.8	1.6	1.8	1.8	1.6	1.7
+ Imports	1.7	6.3	4.8	11.6	14.3	12.4	13.2	16.8
- Exports	2.4	8.9	8.5	7.3	8.0	11.8	10.7	6.9
Electrical energy supplied	**37.7**	**47.6**	**62.7**	**83.0**	**87.9**	**90.2**	**87.6**	**..**
- Transmission & distr. losses	1.9	2.8	3.6	3.8	4.2	4.3	4.2	..
- Statistical difference	-	-	-	-	0.1	-	0.1	..
Total consumption	**35.8**	**44.9**	**59.1**	**79.2**	**83.6**	**85.9**	**83.4**	**..**
- Energy industry consumption[2]	1.6	1.5	1.1	1.6	3.4	2.6	3.3	..
Final consumption	**34.2**	**43.3**	**58.0**	**77.5**	**80.2**	**83.3**	**80.1**	**..**
Industry	22.4	23.9	30.5	39.9	39.4	38.1	37.3	..
Transport	0.8	1.0	1.2	1.4	1.7	1.7	1.6	..
Commercial & publ. serv.	3.4	5.3	7.8	12.2	12.7	22.2	21.7	..
Residential	7.6	13.1	18.4	23.7	26.0	20.3	19.3	..
Agriculture & fishing	-	-	-	0.3	0.4	0.8	0.3	..
Sector non specified	-	-	-	-	-	0.2	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

BELGIUM

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**42.76**	**53.64**	**70.92**	**84.01**	**91.23**	**95.12**	**90.24**	**3.2**	**1.2**
- Hydro pumped storage	*0.45*	*0.55*	*0.63*	*1.24*	*1.43*	*1.36*	*1.23*	*2.2*	*3.2*
Total generation(1)	**42.31**	**53.09**	**70.29**	**82.77**	**89.80**	**93.76**	**89.01**	**3.2**	**1.1**
Main activity producers									
Gross production	31.02	49.88	68.18	82.30	87.40	89.94	83.76	5.0	1.0
- Hydro pumped storage	*0.45*	*0.55*	*0.63*	*1.24*	*1.43*	*1.36*	*1.23*	*2.2*	*3.2*
Total generation(1)	30.58	49.33	67.55	81.07	85.97	88.59	82.53	5.1	1.0
Nuclear	0.14	12.55	42.72	48.16	47.22	47.94	48.23	43.2	0.6
Hydro	0.24	0.28	0.27	0.46	0.33	0.31	0.20	0.7	-1.4
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	0.01	0.01	1.00	1.29	2.30	-	31.8
Coal	6.18 e	13.95	18.61	15.66	5.95	5.69	5.18	7.1	-5.9
Oil	16.47	17.68	0.82	0.42	0.16	0.27	0.23	-17.1	-5.9
Natural gas	7.51	4.83	4.77	15.48	27.07	28.73	21.99	-2.8	7.6
Biofuels & waste	0.05	0.04	0.36	0.87	4.25	4.36	4.40	13.6	12.6
Autoproducers									
Gross production	11.74	3.76	2.75	1.71	3.82	5.18	6.48	-8.7	4.2
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	11.74	3.76	2.75	1.71	3.82	5.18	6.48	-8.7	4.2
Nuclear	0.01	-	-	-	-	-	-	-	-
Hydro	0.00	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	0.00	0.25	0.82	1.31	-	-
Coal	4.88	1.64	1.25	0.37	0.20	0.26	0.20	-8.2	-8.4
Oil	3.41	0.73	0.50	0.38	0.12	0.14	0.06	-11.4	-9.5
Natural gas	3.37	1.14	0.64	0.49	2.24	2.69	3.45	-9.9	8.4
Biofuels & waste	0.06	0.26	0.36	0.46	1.01	1.26	1.46	11.8	6.9

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

BELGIUM

9. Electricity and heat produced for sale from combustible fuels in combined heat and power plants (CHP plants)

	1980	1990	2000	2009	2010	2011	Average annual percent change 1990-2011
Hard coal[1] and patent fuel							
Fuel input (1000 t)	1806	2178	65	78	52	34	-18.0
Fuel input (TJ)	37926	53348	1659	2291	1340	879	-17.8
Electricity production (GWh)	3477	5510	89	105	95	39	-21.0
CHP Heat production (TJ)	1650	1508	-	-	-	-	-
Brown coal							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Peat							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Coal manufactured gases[2]							
Fuel input (TJ)	3657	10487	-	1081	1961	1899	-7.8
Electricity production (GWh)	378	1086	-	90	164	158	-8.8
CHP Heat production (TJ)	29	71	-	-	-	-	-
Petroleum products							
Fuel input (1000 t)	505	171	77	23	50	41	-6.6
Fuel input (TJ)	20200	6836	3029	947	2216	1920	-5.9
Electricity production (GWh)	2420	475	428	124	264	176	-4.6
CHP Heat production (TJ)	6301	2762	69	-	518	694	-6.4
Natural gas[2]							
Fuel input (TJ)	12722	7938	42407 e	82786	91817	90073	12.3
Electricity production (GWh)	-	245	4667	11067	12022	11684	20.2
CHP Heat production (TJ)	8729	4990	21133	27538	31370	29767	8.9
Wood and other solid waste							
Fuel input (TJ)	-	-	652	5652	7466	9525	-
Electricity production (GWh)	-	-	153	860	1004	1167	-
CHP Heat production (TJ)	-	-	-	266	292	295	-
Industrial waste							
Fuel input (TJ)	-	-	4719	3426	2476	2432	-
Electricity production (GWh)	-	-	313	205	173	170	-
CHP Heat production (TJ)	-	-	78	579	329	256	-
Municipal waste							
Fuel input (TJ)	-	-	592	9505	7114	9406	-
Electricity production (GWh)	-	-	32	334	21	145	-
CHP Heat production (TJ)	-	-	270	2313	2559	3060	-
Biogases and liquid biofuels							
Fuel input (TJ)	-	-	249	2423	4112	3715	-
Electricity production (GWh)	-	-	20	375	634	570	-
CHP Heat production (TJ)	-	-	41	242	342	272	-
Total combustible fuels[3]							
Electricity production (GWh)	6275	7316	5702	13160	14377	14109	3.2
CHP Heat production (TJ)	17128	9331	21591	30938	35410	34344	6.4

Source: IEA/OECD Electricity Statistics.

(1) Includes sub-bituminous coal.

(2) Coal manufactured gases and natural gas are expressed on a gross calorific value basis.

(3) Includes non-specified combustible fuels not shown in this table.

Note: Please refer to notes in the introductory information for data coverage.

CANADA

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**270.2**	**373.4**	**482.2 e**	**605.7 e**	**626.1 e**	**602.0**	**637.0**	**645.8**
Nuclear	15.3	38.0	73.0	72.8	92.0	90.7	93.6	96.4
Hydro	194.8	251.2	296.8	358.6	363.7	351.5	375.8	380.1
of which:								
pumped storage production	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
Geothermal	-	-	-	-	-	-	-	-
Solar	-	-	-	0.0	0.0	0.1	0.3	0.3
Tide, wave, ocean	-	-	0.0	0.0	0.0	0.0	0.0	0.0
Wind	-	-	-	0.3	1.5	8.7	10.2	11.8
Combustible fuels	60.2	84.1	112.3 e	174.0 e	168.8 e	151.0	155.8	155.8
Coal	*34.9*	*59.8 e*	*82.2 e*	*117.6 e*	*110.0*	*83.3*	*76.4*	*76.4*
Oil	*9.1*	*13.8*	*16.5 e*	*14.7*	*15.3 e*	*7.5*	*6.5*	*6.5*
Natural gas	*16.2*	*9.2*	*9.7*	*33.5*	*34.4*	*51.2*	*62.1*	*62.1*
Biofuels & waste	*-*	*1.3*	*4.0 e*	*8.2 e*	*9.2 e*	*9.1*	*10.8*	*10.8*
Other (e.g. fuel cells)	-	-	-	-	-	-	1.4	1.4
- Own use by power plant	6.9	6.2	14.4 e	19.1 e	20.1 e	17.8	18.4	..
Net production	**263.3**	**367.2**	**467.7 e**	**586.7 e**	**606.1 e**	**584.2**	**618.6**	**..**
Nuclear	..	35.9	68.8	68.7	86.8	85.5	88.3	..
Hydro	..	251.0	293.9	355.1	360.0	351.0	374.6	..
Geothermal	..	-	-	-	-	-	-	..
Solar	..	-	-	0.0	0.0	0.1	0.3	..
Tide, wave, ocean	..	-	0.0	0.0	0.0	0.0	0.0	..
Wind	..	-	-	0.3	1.5	8.6	10.1	..
Combustible fuels	..	80.3	105.0 e	162.6 e	157.7 e	138.9	144.0	..
Other (e.g. fuel cells)	..	-	-	-	-	-	1.3	..
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
+ Imports	2.2	2.9	17.8	15.3	19.7	18.7	15.0	10.8
- Exports	16.3	30.2	18.1	51.0	43.5	44.4	51.5	57.6
Electrical energy supplied	**249.0**	**339.7**	**467.2 e**	**550.8 e**	**582.0 e**	**558.3**	**581.8**	**..**
- Transmission & distr. losses	25.8	32.2	34.1	47.3	42.7	25.0	34.7	..
- Statistical difference	-	-	-0.0	-0.0	-0.0	-	-	..
Total consumption	**223.2**	**307.5**	**433.1 e**	**503.5 e**	**539.4 e**	**533.3**	**547.1**	**..**
- Energy industry consumption[2]	3.2	4.3	14.9	21.9	27.2	27.3	28.2	..
Final consumption	**220.1**	**303.2**	**418.1 e**	**481.6 e**	**512.2 e**	**506.0**	**518.9**	**..**
Industry	105.9	135.7	167.9	203.3	211.6	202.7	205.8	..
Transport	3.2	2.3	3.3	4.5	4.3	3.8	3.9	..
Commercial & publ. serv.	57.0	72.6	108.4	125.8	135.0	143.3	146.8	..
Residential	51.9	84.8	129.8	138.2	151.0	146.8	153.0	..
Agriculture & fishing	2.1	7.8	8.6	9.6	10.2	9.4	9.4	..
Sector non specified	-	-	0.1 e	0.1 e	0.1 e	-	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

CANADA

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**283.62**	**373.38**	**482.15**	**605.71**	**614.05**	**602.00**	**636.99**	**3.4**	**1.3**
- Hydro pumped storage	*0.11*	*0.10*	*0.11*	*0.11*	*0.11*	*0.11*	*0.11*	*0.2*	-
Total generation(1)	**283.52**	**373.28**	**482.04**	**605.60**	**613.94**	**601.89**	**636.88**	**3.4**	**1.3**
Main activity producers									
Gross production	244.55	334.71	440.17	556.91	561.52	552.25	580.09	3.7	1.3
- Hydro pumped storage	*0.11*	*0.10*	*0.11*	*0.11*	*0.11*	*0.11*	*0.11*	*0.2*	-
Total generation(1)	244.45	334.61	440.06	556.80	561.41	552.14	579.98	3.7	1.3
Nuclear	14.70	38.03	72.97	72.80	90.09	90.66	93.59	10.5	1.2
Hydro	177.94	220.47	265.46	327.30	336.90	324.14	345.17	2.5	1.3
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	0.03	0.31 e	6.77	8.87	11.82	-	33.8
Coal	34.61	59.74	82.12	117.26	86.19	83.32	76.36	5.5	-0.3
Oil	6.77	11.37	14.62	12.48	8.29	5.47	4.62	4.9	-5.3
Natural gas	10.43	5.01	4.86	26.65	33.11	39.65	48.38	-4.7	11.6
Biofuels & waste	-	-	-	-	0.04 e	0.03	0.03	-	-
Autoproducers									
Gross production	39.07	38.67	41.99	48.80	52.53	49.75	56.90	0.5	1.5
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	39.07	38.67	41.99	48.80	52.53	49.75	56.90	0.5	1.5
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	32.73	30.68	31.27	31.21	31.75	27.21	30.52	-0.3	-0.1
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	-	0.00	0.00	0.00	-	-
Coal	0.18 e	0.07 e	0.10	0.33	0.00	0.01	0.00	-3.8	-19.7
Oil	3.52	2.43	1.85	2.21	2.09	1.99	1.91	-3.9	0.1
Natural gas	2.64	4.19	4.79	6.82	11.00	11.50	13.73	3.8	5.1
Biofuels & waste	-	1.30	3.97 e	8.23 e	7.69 e	9.05	10.74	-	4.9

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

CANADA

9. Electricity and heat produced for sale from combustible fuels in combined heat and power plants (CHP plants)

	1980	1990	2000	2009	2010	2011	Average annual percent change 1990-2011
Hard coal and patent fuel							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Brown coal							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Peat							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Coal manufactured gases[1]							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Petroleum products							
Fuel input (1000 t)	283	77	94	61	45	43	-2.7
Fuel input (TJ)	12311 e	3190	3903	2564	1920	1831	-2.6
Electricity production (GWh)	-	10	10	10	11	10	-
CHP Heat production (TJ)	8618 e	2943	2434	1695	1246	1108	-4.5
Natural gas[1]							
Fuel input (TJ)	-	10919	114464	114995	111757	114829	11.9
Electricity production (GWh)	-	231	10054	11018	10938	10979	20.2
CHP Heat production (TJ)	-	7601	31535	35253	18208	20927	4.9
Wood and other solid waste							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Industrial waste							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Municipal waste							
Fuel input (TJ)	-	1254 e	1254 e	1329 e	1329	1329	0.3
Electricity production (GWh)	-	117 e	117 e	118 e	118	118	0.0
CHP Heat production (TJ)	-	633 e	633 e	701 e	701	701	0.5
Biogases and liquid biofuels							
Fuel input (TJ)	-	-	-	462 e	321	321	-
Electricity production (GWh)	-	-	-	44 e	31	31	-
CHP Heat production (TJ)	-	-	-	50 e	38	38	-
Total combustible fuels[2]							
Electricity production (GWh)	-	358 e	10181 e	11190 e	11098	11138	17.8
CHP Heat production (TJ)	22654	11177 e	34602 e	37699 e	20193	22774	3.4

Source: IEA/OECD Electricity Statistics.

(1) Coal manufactured gases and natural gas are expressed on a gross calorific value basis.

(2) Includes non-specified combustible fuels not shown in this table.

Note: Please refer to notes in the introductory information for data coverage.

CHILE

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**8.8**	**11.8**	**18.4**	**40.1**	**52.5**	**60.4**	**65.7**	**68.4**
Nuclear	-	-	-	-	-	-	-	-
Hydro	5.6	7.9	8.9	18.5	26.5	21.7	21.0 e	19.2
of which:								
pumped storage production	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar	-	-	-	-	-	-	-	-
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	0.0	0.3	0.3	0.4
Combustible fuels	3.2	3.9	9.4	21.6	26.0 e	38.3	44.4	48.8
Coal	*1.2*	*1.9*	*6.5*	*8.5*	*7.2*	*16.9*	*19.6*	*24.0*
Oil	*1.8*	*1.7*	*1.8*	*1.7*	*3.4 e*	*8.5*	*6.4*	*6.2*
Natural gas	*0.1*	*0.2*	*0.2*	*10.4*	*13.6*	*10.7*	*13.7*	*12.5*
Biofuels & waste	*0.1*	*0.1*	*1.0*	*0.9*	*1.8 e*	*2.2*	*4.7*	*6.0*
Other (e.g. fuel cells)	-	-	-	-	-	0.1	-	-
- Own use by power plant	0.2	0.3	0.6	1.2	1.2	2.1	2.5	..
Net production	**8.6**	**11.5**	**17.8**	**38.9**	**51.3**	**58.3**	**63.2**	**..**
Nuclear	..	-	-	-	-	-	-	..
Hydro	..	7.7	8.9	18.4	25.9 e	21.6	20.9	..
Geothermal	..	-	-	-	-	-	-	..
Solar	..	-	-	-	-	-	-	..
Tide, wave, ocean	..	-	-	-	-	-	-	..
Wind	..	-	-	-	0.0 e	0.3	0.3	..
Combustible fuels	..	3.8	8.9	20.5	25.4 e	36.2	41.9	..
Other (e.g. fuel cells)	..	-	-	-	-	0.1	-	..
- Used for heat pumps	-	-	-	-	-	-	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	0.0	-	-	1.2	2.2	1.0	0.7	0.7
- Exports	-	-	-	-	-	-	-	-
Electrical energy supplied	**8.6**	**11.5**	**17.8**	**40.1**	**53.4**	**59.3**	**63.9**	**..**
- Transmission & distr. losses	1.0	1.4	1.9	2.9	4.5	5.0	4.7	..
- Statistical difference	-0.0	-	0.0	-	-	-1.0	0.7	..
Total consumption	**7.6**	**10.0**	**15.8**	**37.1**	**48.9**	**55.3**	**58.5**	**..**
- Energy industry consumption[2]	0.3	0.3	0.3	0.4	0.6	0.6	0.6	..
Final consumption	**7.3**	**9.8**	**15.5**	**36.8**	**48.3**	**54.7**	**57.9**	**..**
Industry	4.8	6.4	10.2	25.7	32.6	35.9	38.4	..
Transport	0.2	0.2	0.2	0.2	0.3	0.4	0.5	..
Commercial & publ. serv.	1.0	1.4	0.7	4.5	7.1	9.0	9.4	..
Residential	1.2	1.8	4.3	6.2	8.3	9.4	9.5	..
Agriculture & fishing	0.2	0.0	0.1	0.2	0.1	0.1	0.1	..
Sector non specified	-	-	-	-	-	-	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

CHILE

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**9.30**	**11.75**	**18.37**	**40.08**	**60.72**	**60.43**	**65.71**	**4.3**	**6.3**
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	**9.30**	**11.75**	**18.37**	**40.08**	**60.72**	**60.43**	**65.71**	**4.3**	**6.3**
Main activity producers									
Gross production	6.42	8.69	13.74	37.95	55.19	56.76	59.65	4.9	7.2
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	6.42	8.69	13.74	37.95	55.19	56.76	59.65	4.9	7.2
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	5.20	6.56	8.36	18.18	24.80	21.38	20.32	3.0	4.3
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	-	0.08	0.33	0.33	-	-
Coal	1.05	1.88	4.30	8.44	14.90	16.87	19.62	9.2	7.5
Oil	0.17	0.26	0.98	1.13	11.35	7.40	5.53	11.6	8.6
Natural gas	-	-	0.09	10.12	3.83	10.59	13.67	-	26.8
Biofuels & waste	-	-	-	0.08	0.24	0.19	0.18	-	-
Autoproducers									
Gross production	2.88	3.06	4.63	2.13	5.54	3.67	6.06	3.0	1.3
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	2.88	3.06	4.63	2.13	5.54	3.67	6.06	3.0	1.3
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	1.16	1.32	0.57	0.33	0.50	0.34	0.69 e	-4.4	1.0
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	-	0.10	0.11	0.01	-	-
Coal	0.01	0.01	2.22	0.02 e	-	-	-	38.6	-
Oil	1.56	1.47	0.79	0.58	0.80	1.07	0.82	-4.1	0.2
Natural gas	0.10	0.15	0.10	0.33	0.10	0.10	0.05	-0.4	-3.1
Biofuels & waste	0.05	0.11	0.96	0.86	4.04	2.06	4.49	20.9	7.6

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

CHILE
11. Final consumption of energy by source
(Mtoe)

	1973	1980	1990	2000	2009	2010	2011	Average annual percent change 73-90	90-11
TFC[1]	**6.52**	**7.29**	**11.10**	**20.39**	**22.52**	**23.84**	**25.18**	**3.2**	**4.0**
Geothermal	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-
Coal	0.70	0.57	0.63	0.64	0.27	0.42	0.35	-0.7	-2.7
Oil	3.84	4.03	5.49	9.19	11.65	12.10	12.88	2.1	4.1
Natural gas	0.04	0.10	0.90	3.29	1.45	2.35	1.95	20.2	3.8
Biofuels & waste	1.31	1.76	2.75	4.11	4.50	4.25	5.01	4.5	2.9
Electricity	0.63	0.84	1.33	3.16	4.65	4.71	4.98	4.5	6.5
Heat	-	-	-	-	-	-	-	-	-
of which:									
Total industry	**2.31**	**2.78**	**3.41**	**6.65**	**8.21**	**8.72**	**9.67**	**2.3**	**5.1**
Geothermal	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-
Coal	0.46	0.44	0.52	0.59	0.24	0.40	0.34	0.7	-2.1
Oil	1.20	1.25	1.34	2.05	3.17	3.04	3.37	0.6	4.5
Natural gas	0.00	0.01	0.00	0.67	0.15	1.10	0.99	3.1	32.1
Biofuels & waste	0.24	0.53	0.67	1.14	1.50	1.09	1.67	6.4	4.4
Electricity	0.41	0.55	0.87	2.21	3.15	3.08	3.31	4.6	6.5
Heat	-	-	-	-	-	-	-	-	-
Transport	**1.84**	**2.09**	**3.05**	**5.67**	**6.89**	**7.14**	**7.27**	**3.0**	**4.2**
Geothermal	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-
Coal	0.13	0.05	-	-	-	-	-	-	-
Oil	1.69	2.02	3.02	5.64	6.84	7.09	7.22	3.5	4.2
Natural gas	-	-	0.01	0.01	0.02	0.02	0.02	-	5.4
Biofuels & waste	-	-	-	-	-	-	-	-	-
Electricity	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.6	3.9
Heat	-	-	-	-	-	-	-	-	-
Comm. & public serv.	**0.11**	**0.15**	**0.48**	**0.62**	**1.16**	**1.37**	**1.59**	**9.2**	**5.9**
Geothermal	-	-	-	-	-	-	-	-	-
Solar thermal	-	-	-	-	-	-	-	-	-
Coal	0.02	0.02	0.01	0.02	0.01	0.01	0.01	-2.7	-0.4
Oil	-	-	0.12	0.16	0.33	0.46	0.65	-	8.3
Natural gas	0.01	0.02	0.02	0.06	0.13	0.12	0.12	6.8	8.5
Biofuels & waste	-	-	0.26	0.00	-	-	0.00	-	-23.5
Electricity	0.09	0.12	0.06	0.39	0.68	0.78	0.80	-2.0	13.1
Heat	-	-	-	-	-	-	-	-	-

Source: IEA/OECD *Energy Balances of OECD Countries* .

(1) Total final energy consumption (TFC) includes non-energy use but excludes use in transformation and energy industries.

Note: Please refer to notes in the introductory information for data coverage.

CZECH REPUBLIC

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**41.2**	**52.7**	**62.6**	**73.5**	**82.6**	**85.9**	**87.5**	**87.6**
Nuclear	-	-	12.6	13.6	24.7	28.0	28.3	30.3
Hydro	1.1	2.4	1.4	2.3	3.0	3.4	2.7	3.0
of which:								
pumped storage production	*-*	*-*	*0.3*	*0.6*	*0.6*	*0.6*	*0.7*	*0.7*
Geothermal	-	-	-	-	-	-	-	-
Solar	-	-	-	-	-	0.6	2.2	2.2
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	-	0.0	0.3	0.4	0.4
Combustible fuels	40.1	50.3	48.5	57.6	54.8	53.6	53.9	51.7
Coal	*35.1*	*44.6*	*47.6*	*54.8*	*52.3*	*50.2*	*49.9*	*46.8*
Oil	*4.7*	*5.0*	*0.5*	*0.4*	*0.3*	*0.2*	*0.1*	*0.1*
Natural gas	*0.4*	*0.6*	*0.4*	*1.7*	*1.5*	*1.1*	*1.2*	*1.5*
Biofuels & waste	*-*	*-*	*-*	*0.7*	*0.7*	*2.2*	*2.8*	*3.4*
Other (e.g. fuel cells)	-	-	-	-	0.0	-	-	-
- Own use by power plant	2.8	3.6	4.4	5.5	6.4	6.4	6.5	..
Net production	**38.4**	**49.1**	**58.1**	**68.0**	**76.2**	**79.5**	**80.9**	**..**
Nuclear	..	-	11.8	12.7	23.3	26.4	26.7	..
Hydro	..	-	1.4	2.3	3.0	3.4	2.7	..
Geothermal	..	-	-	-	-	-	-	..
Solar	..	-	-	-	-	0.6	2.2	..
Tide, wave, ocean	..	-	-	-	-	-	-	..
Wind	..	-	-	-	0.0	0.3	0.4	..
Combustible fuels	..	-	44.9	53.0	49.9	48.7	49.0	..
Other (e.g. fuel cells)	..	-	-	-	0.0	-	-	..
- Used for heat pumps	-	-	..	..	..	..	-	-
- Used for electric boilers	-	-	-	-	-	-	-	-
- Used for pumped storage	0.1	0.5	0.4	0.7	0.9	0.8	0.9	1.0
+ Imports	2.9	3.7	8.2	8.7	12.4	6.6	10.5	11.6
- Exports	5.1	5.2	8.9	18.7	25.0	21.6	27.5	28.7
Electrical energy supplied	**36.1**	**47.0**	**57.0**	**57.2**	**62.7**	**63.7**	**62.9**	**..**
- Transmission & distr. losses	2.0	3.9	4.0	5.0	5.0	4.5	4.4	..
- Statistical difference	-	-	-	-	-	-	-	..
Total consumption	**34.1**	**43.1**	**53.0**	**52.3**	**57.7**	**59.3**	**58.5**	**..**
- Energy industry consumption[2]	4.6	5.3	4.9	2.9	2.4	2.0	1.9	..
Final consumption	**29.5**	**37.9**	**48.2**	**49.4**	**55.3**	**57.2**	**56.7**	**..**
Industry	18.8	22.3	26.9	18.9	23.1	22.6	23.1	..
Transport	1.9	2.3	3.2	2.3	2.2	2.2	2.3	..
Commercial & publ. serv.	2.0	3.3	3.6	11.6	12.5	14.0	13.8	..
Residential	3.9	6.2	9.6	13.8	14.7	15.0	14.2	..
Agriculture & fishing	1.5	2.1	2.9	1.2	1.0	1.1	1.1	..
Sector non specified	1.4	1.8	1.9	1.6	1.7	2.3	2.2	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

CZECH REPUBLIC

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**43.14**	**52.66**	**62.56**	**73.47**	**82.25**	**85.91**	**87.45**	**2.4**	**1.6**
- Hydro pumped storage	*-*	*-*	*0.29*	*0.56*	*0.55*	*0.59*	*0.70*	*-*	*4.3*
Total generation(1)	**43.14**	**52.66**	**62.27**	**72.91**	**81.70**	**85.32**	**86.75**	**2.3**	**1.6**
Main activity producers									
Gross production	43.09	52.54	55.23	62.99	73.34	76.60	79.33	1.6	1.7
- Hydro pumped storage	*-*	*-*	*0.29*	*0.56*	*0.55*	*0.59*	*0.70*	*-*	*4.3*
Total generation(1)	43.09	52.54	54.95	62.44	72.79	76.01	78.62	1.5	1.7
Nuclear	-	-	12.59	13.59	27.21	28.00	28.28	-	3.9
Hydro	1.77	2.28	1.11	1.37	1.86	2.10	1.46	-2.9	1.3
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	-	0.38	0.95	2.58	-	-
Coal	35.23	44.63	40.61	46.35	41.78	43.15	44.26	0.9	0.4
Oil	5.69	5.03	0.41	0.13	0.11	0.11	0.06	-15.2	-8.7
Natural gas	0.40	0.60	0.23	0.83	0.59	0.74	0.87	-3.4	6.5
Biofuels & waste	-	-	-	0.18	0.87	0.96	1.11	-	-
Autoproducers									
Gross production	0.05	0.12	7.33	10.48	8.91	9.31	8.13	36.6	0.5
- Hydro pumped storage	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Total generation(1)	0.05	0.12	7.33	10.48	8.91	9.31	8.13	36.6	0.5
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	0.05	0.12	0.05	0.39	0.57	0.69	0.50	-0.3	11.8
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	-	-	-	-	-	-
Coal	-	-	6.99	8.43	6.92	7.02	5.63	-	-1.0
Oil	-	-	0.13	0.24	0.05	0.05	0.04	-	-5.6
Natural gas	-	-	0.16	0.86	0.39	0.33	0.30	-	3.2
Biofuels & waste	-	-	-	0.55	0.98	1.23	1.66	-	-

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

CZECH REPUBLIC

9. Electricity and heat produced for sale from combustible fuels in combined heat and power plants (CHP plants)

	1980	1990	2000	2009	2010	2011	Average annual percent change 1990-2011
Hard coal and patent fuel							
Fuel input (1000 t)	..	2562	2366	2820	2591	2432	-0.2
Fuel input (TJ)	..	53804	57946	65615	61092	56864	0.3
Electricity production (GWh)	..	1743	2701	3940	3704	3095	2.8
CHP Heat production (TJ)	..	31707	24030	29041	28559	22763	-1.6
Brown coal							
Fuel input (1000 t)	..	12972	11223	11702	12067	12764	-0.1
Fuel input (TJ)	..	145140	151140	165943	169507	179699	1.0
Electricity production (GWh)	..	8265	12594	10787	9977	11036	1.4
CHP Heat production (TJ)	..	67623	51761	47444	51167	50819	-1.4
Peat							
Fuel input (1000 t)	..	-	-	-	-	-	-
Fuel input (TJ)	..	-	-	-	-	-	-
Electricity production (GWh)	..	-	-	-	-	-	-
CHP Heat production (TJ)	..	-	-	-	-	-	-
Coal manufactured gases(1)							
Fuel input (TJ)	..	11443	24367	27728	32739	32987	5.2
Electricity production (GWh)	..	565	2216	2733	3038	2874	8.1
CHP Heat production (TJ)	..	5391	3577	3550	6820	7674	1.7
Petroleum products							
Fuel input (1000 t)	..	278	155	89	75	57	-7.3
Fuel input (TJ)	..	10978	6383	3669	3027	2270	-7.2
Electricity production (GWh)	..	330	192	117	132	79	-6.6
CHP Heat production (TJ)	..	6856	3705	1419	1132	929	-9.1
Natural gas(1)							
Fuel input (TJ)	..	9200	30168	18270	18180	21039	4.0
Electricity production (GWh)	..	344	1474	939	1010	1103	5.7
CHP Heat production (TJ)	..	6145	13468	8042	8236	9562	2.1
Wood and other solid waste							
Fuel input (TJ)	..	-	6111	8090	8869	9382	-
Electricity production (GWh)	..	-	247	874	898	929	-
CHP Heat production (TJ)	..	-	2934	1237	1555	1765	-
Industrial waste							
Fuel input (TJ)	..	-	4824	32	322	776	-
Electricity production (GWh)	..	-	188	2	2	5	-
CHP Heat production (TJ)	..	-	2292	4	23	71	-
Municipal waste							
Fuel input (TJ)	..	-	2700	815	1305	4141	-
Electricity production (GWh)	..	-	5	18	40	150	-
CHP Heat production (TJ)	..	-	1664	698	781	2356	-
Biogases and liquid biofuels							
Fuel input (TJ)	..	-	1094	1715	2166	3127	-
Electricity production (GWh)	..	-	108	199	275	379	-
CHP Heat production (TJ)	..	-	310	169	206	300	-
Total combustible fuels(2)							
Electricity production (GWh)	..	11247	19725	19609	19076	19650	2.7
CHP Heat production (TJ)	..	117722	103741 e	91604	98479	96239	-1.0

Source: IEA/OECD Electricity Statistics.

(1) Coal manufactured gases and natural gas are expressed on a gross calorific value basis.

(2) Includes non-specified combustible fuels not shown in this table.

Note: Please refer to notes in the introductory information for data coverage.

DENMARK

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**19.1**	**26.8**	**26.0**	**36.1**	**36.2**	**38.8**	**35.2**	**30.4**
Nuclear	-	-	-	-	-	-	-	-
Hydro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which:								
pumped storage production	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar	-	-	-	0.0	0.0	0.0	0.0	0.0
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	0.0	0.6	4.2	6.6	7.8	9.8	10.3
Combustible fuels	19.1	26.7	25.3	31.7	29.6	31.0	25.4	20.1
Coal	*6.8*	*21.9*	*23.6*	*16.7*	*15.5*	*17.0*	*14.0*	*10.6*
Oil	*12.3*	*4.8*	*0.9*	*4.4*	*1.4*	*0.8*	*0.5*	*0.4*
Natural gas	*-*	*-*	*0.7*	*8.8*	*8.8*	*7.9*	*5.8*	*4.2*
Biofuels & waste	*-*	*-*	*0.2*	*1.9*	*4.0*	*5.3*	*5.1*	*4.9*
Other (e.g. fuel cells)	-	-	-	0.0	-	-	-	-
- Own use by power plant	1.1	1.6	1.7	1.6	1.8	2.0	1.7	..
Net production	**18.0**	**25.2**	**24.3**	**34.4**	**34.4**	**36.8**	**33.5**	**..**
Nuclear	..	-	-	-	-	-	-	..
Hydro	..	0.0	0.0	0.0	0.0	0.0	0.0	..
Geothermal	..	-	-	-	-	-	-	..
Solar	..	-	-	0.0	0.0	0.0	0.0	..
Tide, wave, ocean	..	-	-	-	-	-	-	..
Wind	..	0.0	0.6	4.2	6.6	7.8	9.8	..
Combustible fuels	..	25.1	23.6	30.1	27.8	29.0	23.7	..
Other (e.g. fuel cells)	..	-	-	0.0	-	-	-	..
- Used for heat pumps	-	-	-	0.0	0.0	0.0	0.0	0.0
- Used for electric boilers	-	-	-	-	-	0.0	0.1	0.1
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	1.0	2.0	12.0	8.4	12.9	10.6	11.7	15.9
- Exports	1.2	3.2	4.9	7.8	11.6	11.7	10.4	10.7
Electrical energy supplied	**17.8**	**23.9**	**31.3**	**35.1**	**35.8**	**35.6**	**34.7**	**..**
- Transmission & distr. losses	1.7	2.0	2.5	2.1	1.5	2.6	2.4	..
- Statistical difference	-	-	0.0	0.0	0.0	-	-0.1	..
Total consumption	**16.1**	**22.0**	**28.9**	**33.0**	**34.2**	**33.1**	**32.4**	**..**
- Energy industry consumption[2]	..	0.3	0.5	0.5	0.8	1.0	1.0	..
Final consumption	**16.1**	**21.6**	**28.4**	**32.5**	**33.5**	**32.1**	**31.4**	**..**
Industry	4.6	5.8	8.4	10.0	10.3	8.6	8.5	..
Transport	0.1	0.1	0.2	0.3	0.4	0.4	0.4	..
Commercial & publ. serv.	3.5	6.1	8.3	9.9	10.4	10.8	10.6	..
Residential	6.6	7.4	9.7	10.2	10.4	10.4	10.1	..
Agriculture & fishing	0.9	1.9	1.7	1.9	1.9	1.9	1.8	..
Sector non specified	0.4	0.3	-	-	-	-	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

DENMARK

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**18.30**	**26.77**	**25.98**	**36.05**	**36.38**	**38.79**	**35.17**	**2.2**	**1.5**
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	**18.30**	**26.77**	**25.98**	**36.05**	**36.38**	**38.79**	**35.17**	**2.2**	**1.5**
Main activity producers									
Gross production	17.89	26.40	25.40	33.22	34.28	36.54	33.06	2.2	1.3
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	17.89	26.40	25.40	33.22	34.28	36.54	33.06	2.2	1.3
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	0.02	0.03	0.03	0.03	0.02	0.02	0.02	1.0	-2.3
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	0.01	0.61	4.24	6.72	7.81	9.77	-	14.1
Coal	5.50	21.76	23.39	16.62	17.67	16.97	13.95	9.5	-2.4
Oil	12.36	4.60	0.72	4.14	0.96	0.59	0.27	-16.3	-4.5
Natural gas	-	-	0.61	7.24	6.07	7.12	5.30	-	10.9
Biofuels & waste	-	-	0.05	0.94	2.85	4.04	3.75	-	23.1
Autoproducers									
Gross production	0.42	0.37	0.58	2.83	2.10	2.25	2.11	2.1	6.3
- Hydro pumped storage	-	-	-	-	-	-	-	-	-
Total generation(1)	0.42	0.37	0.58	2.83	2.10	2.25	2.11	2.1	6.3
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-	-
Solar, wind, tide(2)	-	-	-	0.04	0.00	0.01	0.02	-	-
Coal	0.14	0.14	0.17	0.05	0.01	0.01	0.01	1.0	-11.4
Oil	0.27	0.22	0.16	0.30	0.22	0.18	0.18	-3.2	0.4
Natural gas	-	-	0.09	1.53	0.60	0.76	0.51	-	8.8
Biofuels & waste	-	-	0.16	0.91	1.27	1.29	1.39	-	10.8

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

DENMARK

9. Electricity and heat produced for sale from combustible fuels in combined heat and power plants (CHP plants)

	1980	1990	2000	2009	2010	2011	Average annual percent change 1990-2011
Hard coal and patent fuel							
Fuel input (1000 t)	9218	8439	5372	6632	6439	5330	-2.2
Fuel input (TJ)	228042	213588	133320	163173	157379	129930	-2.3
Electricity production (GWh)	21905	21639	14250	17687	16976	13966	-2.1
CHP Heat production (TJ)	26981 e	47632	38837	34045	35936	30887	-2.0
Brown coal							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Peat							
Fuel input (1000 t)	-	-	-	-	-	-	-
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Coal manufactured gases[1]							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Petroleum products							
Fuel input (1000 t)	1140	200	1389	294	190	98	-3.3
Fuel input (TJ)	46243	8192	40825	12402	8136	4274	-3.1
Electricity production (GWh)	4819	715	4398	1115	676	383	-2.9
CHP Heat production (TJ)	3825 e	2549	2172	4596	1929	1079	-4.0
Natural gas[1]							
Fuel input (TJ)	-	8088	98249	70767	84170	62444	10.2
Electricity production (GWh)	-	694	8774	6671	7884	5811	10.6
CHP Heat production (TJ)	-	3287	39102	27283	34917	26402	10.4
Wood and other solid waste							
Fuel input (TJ)	-	1224	6150	23917	39987	37946	17.8
Electricity production (GWh)	-	108	411	1987	3314	3064	17.3
CHP Heat production (TJ)	-	319	3189	11420	20561	20151	21.8
Industrial waste							
Fuel input (TJ)	-	-	-	-	-	-	-
Electricity production (GWh)	-	-	-	-	-	-	-
CHP Heat production (TJ)	-	-	-	-	-	-	-
Municipal waste							
Fuel input (TJ)	-	991	20908	33880	32653	32727	18.1
Electricity production (GWh)	-	62	1236	1760	1659	1729	17.2
CHP Heat production (TJ)	-	460	13117	22211	21080	21342	20.0
Biogases and liquid biofuels							
Fuel input (TJ)	-	498	2179	3261	3327	3195	9.3
Electricity production (GWh)	-	40	206	363	352	342	10.8
CHP Heat production (TJ)	-	105	691	1019	1009	1047	11.6
Total combustible fuels[2]							
Electricity production (GWh)	26724	23258	29275	29583	30861	25295	0.4
CHP Heat production (TJ)	30806	54352	97108	100574	115432	100908	3.0

Source: IEA/OECD Electricity Statistics.

(1) Coal manufactured gases and natural gas are expressed on a gross calorific value basis.

(2) Includes non-specified combustible fuels not shown in this table.

Note: Please refer to notes in the introductory information for data coverage.

ESTONIA

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**..**	**..**	**17.4**	**8.5**	**10.2**	**13.0**	**12.9**	**12.0**
Nuclear	..	..	-	-	-	-	-	-
Hydro	..	..	-	0.0	0.0	0.0	0.0	0.0
of which:								
pumped storage production	..	..	-	-	-	-	-	-
Geothermal	..	..	-	-	-	-	-	-
Solar	..	..	-	-	-	-	-	-
Tide, wave, ocean	..	..	-	-	-	-	-	-
Wind	..	..	-	-	0.1	0.3	0.4	0.4
Combustible fuels	..	..	17.4	8.5	10.1	12.7	12.5	11.5
Coal	..	..	*15.0*	*7.8*	*9.5*	*11.6*	*11.4*	*10.3*
Oil	..	..	*1.4*	*0.1*	*0.0*	*0.0*	*0.0*	*0.1*
Natural gas	..	..	*1.0*	*0.6*	*0.5*	*0.3*	*0.3*	*0.1*
Biofuels & waste	..	..	-	*0.0*	*0.0*	*0.7*	*0.8*	*1.0*
Other (e.g. fuel cells)	..	..	-	-	-	-	-	-
- Own use by power plant	..	..	1.7	0.9	1.1	1.2	1.2	..
Net production	**..**	**..**	**15.7**	**7.6**	**9.1**	**11.7**	**11.7**	**..**
Nuclear	..	..	-	-	-	-	-	..
Hydro	..	..	-	0.0	0.0	0.0	0.0	..
Geothermal	..	..	-	-	-	-	-	..
Solar	..	..	-	-	-	-	-	..
Tide, wave, ocean	..	..	-	-	-	-	-	..
Wind	..	..	-	-	0.1	0.3	0.4	..
Combustible fuels	..	..	15.7	7.6	9.0	11.4	11.3	..
Other (e.g. fuel cells)	..	..	-	-	-	-	-	..
- Used for heat pumps	..	..	-	-	-	-	-	-
- Used for electric boilers	..	..	-	0.0	-	-	-	-
- Used for pumped storage	..	..	-	-	-	-	-	-
+ Imports	..	..	1.5	0.3	0.3	1.1	1.7	2.7
- Exports	..	..	8.5	1.2	2.0	4.4	5.3	5.0
Electrical energy supplied	**..**	**..**	**8.7**	**6.6**	**7.5**	**8.5**	**8.1**	**..**
- Transmission & distr. losses	..	..	1.1	1.2	1.1	1.0	0.9	..
- Statistical difference	..	..	-	-	-	-	-	..
Total consumption	**..**	**..**	**7.5**	**5.4**	**6.4**	**7.4**	**7.2**	**..**
- Energy industry consumption[2]	..	..	0.5	0.4	0.4	0.5	0.5	..
Final consumption	**..**	**..**	**7.0**	**5.0**	**6.0**	**6.9**	**6.6**	**..**
Industry	..	..	3.0	1.8	2.2	2.1	2.0	..
Transport	..	..	0.2	0.1	0.1	0.1	0.1	..
Commercial & publ. serv.	..	..	0.2	1.4	1.9	2.5	2.4	..
Residential	..	..	0.9	1.5	1.6	2.0	1.9	..
Agriculture & fishing	..	..	-	0.2	0.2	0.2	0.2	..
Sector non specified	..	..	2.7	-	-	-	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.

ESTONIA

4. Electricity production and generation by source (TWh)

	1974	1980	1990	2000	2009	2010	2011	Average annual percent change 74-90	90-11
Total gross production	**..**	**..**	**17.39**	**8.51**	**8.78**	**12.96**	**12.89**	**..**	**-1.4**
- Hydro pumped storage	..	..	-	-	-	-	-	..	-
Total generation(1)	**..**	**..**	**17.39**	**8.51**	**8.78**	**12.96**	**12.89**	**..**	**-1.4**
Main activity producers									
Gross production	..	..	17.24	8.38	8.68	12.86	12.79	..	-1.4
- Hydro pumped storage	..	..	-	-	-	-	-	..	-
Total generation(1)	..	..	17.24	8.38	8.68	12.86	12.79	..	-1.4
Nuclear	..	..	-	-	-	-	-	..	-
Hydro	..	..	-	0.01	0.03	0.03	0.03	..	-
Geothermal	..	..	-	-	-	-	-	..	-
Solar, wind, tide(2)	..	..	-	-	0.19	0.28	0.37	..	-
Coal	..	..	15.00	7.79	8.05	11.54	11.38	..	-1.3
Oil	..	..	1.41	0.05	0.04	0.04	0.04	..	-15.3
Natural gas	..	..	0.83	0.54	0.08	0.26	0.21	..	-6.3
Biofuels & waste	..	..	-	-	0.29	0.72	0.76	..	-
Autoproducers									
Gross production	..	..	0.15	0.13	0.10	0.11	0.11	..	-1.8
- Hydro pumped storage	..	..	-	-	-	-	-	..	-
Total generation(1)	..	..	0.15	0.13	0.10	0.11	0.11	..	-1.8
Nuclear	..	..	-	-	-	-	-	..	-
Hydro	..	..	-	-	-	-	-	..	-
Geothermal	..	..	-	-	-	-	-	..	-
Solar, wind, tide(2)	..	..	-	-	0.00	0.00	-	..	-
Coal	..	..	-	0.05	0.04	0.04	0.04	..	-
Oil	..	..	0.03	0.00	0.01	0.00	-	..	-
Natural gas	..	..	0.13	0.06	0.03	0.04	0.04	..	-5.5
Biofuels & waste	..	..	-	0.01	0.02	0.02	0.03	..	-

Source: IEA/OECD *Energy Balances* and IEA/OECD *Energy Statistics of OECD Countries* .

(1) Electricity generated = gross production - amount of electricity produced in pumped storage plants.

(2) Includes wave, ocean and other sources (e.g. fuel cells, from chemical heat).

Note: Please refer to definitions in the introductory information.

ESTONIA

9. Electricity and heat produced for sale from combustible fuels in combined heat and power plants (CHP plants)

	1980	1990	2000	2009	2010	2011	Average annual percent change 1990-2011
Hard coal and patent fuel							
Fuel input (1000 t)	..	-	-	-	-	-	-
Fuel input (TJ)	..	-	-	-	-	-	-
Electricity production (GWh)	..	-	-	-	-	-	-
CHP Heat production (TJ)	..	-	-	-	-	-	-
Brown coal							
Fuel input (1000 t)	..	22565	1650	756	758	612	-15.8
Fuel input (TJ)	..	188950	13816	6566	7057	5689	-15.4
Electricity production (GWh)	..	14920	531	325	316	239	-17.9
CHP Heat production (TJ)	..	38636	5870	3438	3462	2714	-11.9
Peat							
Fuel input (1000 t)	..	-	29	88	134	103	-
Fuel input (TJ)	..	-	293	880	1345	1026	-
Electricity production (GWh)	..	-	19	62	122	86	-
CHP Heat production (TJ)	..	-	125	557	747	611	-
Coal manufactured gases[1]							
Fuel input (TJ)	..	3870	1292	1784	1980	1650	-4.0
Electricity production (GWh)	..	75	36	80	82	76	0.1
CHP Heat production (TJ)	..	2654	826	1074	1261	993	-4.6
Petroleum products							
Fuel input (1000 t)	..	220	3	2	2	1	-22.7
Fuel input (TJ)	..	8843	121	63	70	45	-22.2
Electricity production (GWh)	..	1440	5	3	3	2	-26.9
CHP Heat production (TJ)	..	1650	53	29	38	26	-17.9
Natural gas[1]							
Fuel input (TJ)	..	12734	8061	4034	3771	3026	-6.6
Electricity production (GWh)	..	957	596	108	303	250	-6.2
CHP Heat production (TJ)	..	6413	4102	2855	1722	1376	-7.1
Wood and other solid waste							
Fuel input (TJ)	..	-	85	2749	5895	5690	-
Electricity production (GWh)	..	-	13	199	475	439	-
CHP Heat production (TJ)	..	-	-	1837	3183	3267	-
Industrial waste							
Fuel input (TJ)	..	-	-	-	-	-	-
Electricity production (GWh)	..	-	-	-	-	-	-
CHP Heat production (TJ)	..	-	-	-	-	-	-
Municipal waste							
Fuel input (TJ)	..	-	-	-	-	-	-
Electricity production (GWh)	..	-	-	-	-	-	-
CHP Heat production (TJ)	..	-	-	-	-	-	-
Biogases and liquid biofuels							
Fuel input (TJ)	..	-	-	65	111	93	-
Electricity production (GWh)	..	-	-	7	10	15	-
CHP Heat production (TJ)	..	-	-	18	61	16	-
Total combustible fuels[2]							
Electricity production (GWh)	..	17392	1200	784	1311	1107	-12.3
CHP Heat production (TJ)	..	49353	10976	9808	10474	9003	-7.8

Source: IEA/OECD Electricity Statistics.

(1) Coal manufactured gases and natural gas are expressed on a gross calorific value basis.

(2) Includes non-specified combustible fuels not shown in this table.

Note: Please refer to notes in the introductory information for data coverage.

FINLAND

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

	1973	1980	1990	2000	2005	2010	2011	2012e
Gross production	**26.1**	**40.7**	**54.4**	**70.0**	**70.6**	**80.7**	**73.5**	**70.4**
Nuclear	-	7.0	19.2	22.5	23.3	22.8	23.2	23.0
Hydro	10.5	10.2	10.9	14.7	13.8	12.9	12.4	16.8
of which:								
pumped storage production	-	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-	-
Solar	-	-	-	0.0	0.0	0.0	0.0	0.0
Tide, wave, ocean	-	-	-	-	-	-	-	-
Wind	-	-	-	0.1	0.2	0.3	0.5	0.5
Combustible fuels	15.6	23.5	24.3	32.6	33.1	44.3	37.1	29.8
Coal	*7.3*	*17.4*	*12.8*	*13.1*	*11.7*	*21.4*	*15.7*	*11.8*
Oil	*8.3*	*4.4*	*1.7*	*0.6*	*0.5*	*0.5*	*0.4*	*0.4*
Natural gas	*-*	*1.7*	*4.7*	*10.1*	*11.2*	*11.3*	*9.4*	*6.6*
Biofuels & waste	*-*	*-*	*5.2 e*	*8.7*	*9.7*	*11.2*	*11.4*	*11.0*
Other (e.g. fuel cells)	-	-	-	0.2	0.2	0.3	0.3	0.3
- Own use by power plant	1.0	2.0	2.8	2.7	2.7	3.5	3.1	..
Net production	**25.1**	**38.7**	**51.6**	**67.3**	**67.8**	**77.2**	**70.4**	**..**
Nuclear	..	6.6	18.1	21.6	22.4	21.9	22.3	..
Hydro	..	10.1	10.8	14.5	13.6	12.7	12.3	..
Geothermal	..	-	-	-	-	-	-	..
Solar	..	-	-	0.0	0.0	0.0	0.0	..
Tide, wave, ocean	..	-	-	-	-	-	-	..
Wind	..	-	-	0.1	0.2	0.3	0.5	..
Combustible fuels	..	22.0	22.7	31.0	31.5	42.0	35.1	..
Other (e.g. fuel cells)	..	-	-	0.2	0.2	0.3	0.3	..
- Used for heat pumps	-	-	-	0.0	0.0	0.1	0.1	0.1
- Used for electric boilers	-	-	-	0.1	0.0	0.0	0.0	0.0
- Used for pumped storage	-	-	-	-	-	-	-	-
+ Imports	4.6	2.4	11.0	12.2	17.9	15.7	17.7	19.1
- Exports	0.2	1.2	0.4	0.3	0.9	5.2	3.8	1.6
Electrical energy supplied	**29.4**	**39.9**	**62.2**	**79.1**	**84.8**	**87.5**	**84.1**	**..**
- Transmission & distr. losses	2.2	2.3	2.8	2.6	3.0	2.8	2.5	..
- Statistical difference	-	-	-	-	0.2	0.0	-	..
Total consumption	**27.2**	**37.6**	**59.5**	**76.5**	**81.6**	**84.8**	**81.5**	**..**
- Energy industry consumption[2]	0.3	0.4	0.5	0.8	0.9	1.3	1.3	..
Final consumption	**26.9**	**37.2**	**58.9**	**75.7**	**80.7**	**83.5**	**80.2**	**..**
Industry	18.1	22.8	32.5	42.9	43.1	40.4	39.5	..
Transport	0.1	0.2	0.4	0.5	0.6	0.7	0.7	..
Commercial & publ. serv.	3.5	5.5	10.4	13.3	15.5	17.8	17.2	..
Residential	5.0	8.1	14.6	18.1	20.6	23.6	21.8	..
Agriculture & fishing	0.3	0.6	1.0	0.8	0.9	1.0	1.0	..
Sector non specified	-	-	-	-	-	-	-	..

Source: IEA/OECD Electricity Statistics.

(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.

Note: Please refer to definitions in the introductory information.