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Yearly values operation and physical exchanges

Yearly values operation and physical exchanges per country for the years 2006, 2010 and 2011

Statistical database as of 31 August 2012

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¹ Yearly values operation are available from the year 2009 on. Exchanges with "Other" are inside and outside flows between the ENTSO-E member TSOs' countries and Albania (AL), Belarus (BY), Morocco (MA), Republic of Moldavia (MD), Russia (RU), Republic of Turkey (TR), Ukraine (UA) and Ukraine-West (UA-W). Detailed monthly information are available on the ENTSO-E website www.entsoe.eu/Resources/DataPortal.

² The reported figures are best estimates based on actual measurements and extrapolations.

³ Yearly values with the country code GB represents the sum of England, Scotland and Wales.

⁴ Yearly values before the year 2007 are data of the whole country Serbia&Montenegro (CS) and available on the ENTSO-E website www.entsoe.eu/Resources/DataPortal.

⁵ FYROM = Former Yugoslav Republic of Macedonia

⁶ Yearly values with the country code NI represents the data of the GB Northern Ireland.

⁷ Generation and load values are operational data.

Sum of ENTSO-E

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	n.a.
			2010	896053
			2011	885586
Fossil fuels net generation	GWh	Σ	2006	n.a.
			2010	1650129
			2011	1618830
Hydraulic net generation	GWh	Σ	2006	n.a.
			2010	584329
			2011	511029
Other renewable net generation	GWh	Σ	2006	n.a.
			2010	249443
			2011	302983
- of which wind	GWh	Σ	2006	n.a.
			2010	138298
			2011	165250
- of which solar	GWh	Σ	2006	n.a.
			2010	21539
			2011	45649
Non-identifiable net generation	GWh	Σ	2006	n.a.
			2010	11819
			2011	11145
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010 ¹	3403569
			2011 ¹	3347445
Sum of physical inside flows	GWh	Σ	2006	n.a.
			2010	372453
			2011	397956
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	356422
			2011	384765
Total exchange balance	GWh	Σ	2006	n.a.
			2010	17000
			2011	8098
Consumption of pumps	GWh	Σ	2006	n.a.
			2010	44954
			2011	43225
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010	3375615
			2011	3311650
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	398614
			16.02.11	360976
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	528684
			19.01.11	496633
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	555852
			19.01.11	518954
Time of highest load on the 3 rd Wednesday	CET		15.12.10	18:00
			19.01.11	19:00

¹ Including deliveries from industry

IT	LT	LU	LV	ME	MK	NI	NL	NO	PL	PT	RO	RS	SE	SI	SK	Other	Sum of outside flows
1415 1328 1072														833 2011 2381			15882 19270 17885
				1597 1821								1476 362 316					5123 6886 5676
		1697 1123 1320					5019 5318 7010										8697 11843 10659
					860 2953 2918						710 677 568	2837 1794 2621				0 401 3070	8875 9278 12000
23885 23176 25612																	29040 30930 30312
									42 136 45						5857 5498 7991		24092 21579 27499
		5134 6159 5779					22336 8942 9589		2548 5334 5138				1944 2355 628				65912 59878 55988
								2324 4055 2414					1743 0 2807				9922 11740 10276
			n.a. 2695 2633													n.a. 285 696	n.a. 4947 4986
										8481 5667 6685						1899 3938 4509	11859 13117 13656
								84 162 127					3767 5470 4007			0 0 0	3858 5878 4614
14891 11583 14307																	69868 48563 64185
						n.a. 2299 1769	706										n.a. 6408 3844
945 2299 1701					12 8 107											979 493 2124	1936 2801 3932
												31 14 96		6871 6480 4590			7577 7696 6318
											29 146 340	1520 392 696			0 56 5	13 426 111	8185 4706 8018
						n.a. 293 243											n.a. 293 243
														12 120 63			1618 1699 1715
			n.a. 234 443													n.a. 1951 902	n.a. 2185 1345
																	3286 3208 2657
	n.a. 3055 2734															n.a. 8 0	n.a. 3101 2760
												1450 493				305 n.a.	2383 n.a.
												0 0 59					1202 3857 1548
																	n.a. 744 733
								2347 1551									5886 12811 11787
							1329 3360						7667 3691 6509			0 0 0	8944 6593 13600
													1500 494 278		3374 1498 3054	0 0 0	15777 7659 12018
																	3183 3190 3928
												3262 1968 2410				47 381 124	5884 4707 4846
				511 1595	2126 2309 1144						3 74 15					261 149 315	7789 6704 6671
								7178 7668 6718	264 761 1514								13198 14728 21356
5389 7513 4786									4 83 26							1717 912 2127	10925 6295 10501
	n.a. 5122 5352		n.a. 1044 934	225 n.a.				215 209 212	1913 0 59		893 894 2023	613 1047 209			94 290 178		
46525 45899 47478	n.a. 8177 8086	6831 7282 7099	n.a. 3973 4010	2333 n.a.	2998 5270 4169	n.a. 2592 2012	27355 15589 20665	9801 14441 11022	4771 6314 6782	8481 5667 6685	1635 1791 2946	9739 7027 6900	16621 12010 14229	7716 8611 7034	9325 7342 11228		

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	22481
			2010	24638
			2011	23007
Hydraulic net generation	GWh	Σ	2006	34102
			2010	36496
			2011	33663
Other renewable net generation ¹	GWh	Σ	2006	n.a.
			2010	n.a.
			2011	n.a.
- of which wind ¹	GWh	Σ	2006	n.a.
			2010	n.a.
			2011	n.a.
- of which solar ¹	GWh	Σ	2006	n.a.
			2010	n.a.
			2011	n.a.
Non-identifiable net generation	GWh	Σ	2006	6407
			2010	9551
			2011	8730
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	62990
			2010	70685
			2011	65400
Sum of physical inside flows	GWh	Σ	2006	23147
			2010	22530
			2011	27191
Sum of physical outside flows	GWh	Σ	2006	15882
			2010	19270
			2011	17885
Total exchange balance	GWh	Σ	2006	6848
			2010	2203
			2011	8228
Consumption of pumps	GWh	Σ	2006	3338
			2010	4564
			2011	5061
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	66500
			2010	68324
			2011	68567
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	6638
			15.12.10	7020
			21.12.11	6413
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	8951
			15.12.10	9217
			21.12.11	9202
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	9222
			15.12.10	9548
			21.12.11	9442
Time of highest load on the 3 rd Wednesday	CET		20.12.06	18:00
			15.12.10	18:00
			21.12.11	18:00

¹ Other renewable net generation is included in non-identifiable net generation.

MM_YY	Outside flows (OF)							Inside flows (IF)							Sum_IF - Sum_OF	Balance
	AT→CH	AT→CZ	AT→DE	AT→HU	AT→IT	AT→SI	Sum_OF	CH→AT	CZ→AT	DE→AT	HU→AT	IT→AT	SI→AT	Sum_IF		
I.06	754	0	419	2	75	10	1260	0	631	1706	196	2	222	2757	1497	
II.06	687	4	405	3	89	14	1202	0	527	1531	138	1	158	2355	1153	
III.06	696	7	541	11	112	25	1392	1	425	1405	123	0	128	2082	690	
IV.06	613	2	548	43	113	139	1458	1	421	1050	106	0	12	1590	132	
V.06	374	2	622	25	140	86	1249	11	485	638	112	0	6	1252	3	
VI.06	694	0	687	49	113	98	1641	0	428	899	62	0	25	1414	-227	
VII.06	511	4	823	37	131	108	1614	28	392	898	12	0	73	1403	-211	
VIII.06	489	3	652	26	137	96	1403	20	123	843	181	0	56	1223	-180	
IX.06	486	0	358	51	114	65	1074	12	649	1108	58	0	85	1912	838	
X.06	615	0	277	47	133	90	1162	1	672	1449	39	0	112	2273	1111	
XI.06	610	1	322	125	124	52	1234	5	575	1360	6	0	46	1992	758	
XII.06	775	0	188	46	134	50	1193	3	811	1912	29	0	139	2894	1701	
2006	7304	23	5842	465	1415	833	15882	82	6139	14799	1062	3	1062	23147	7265	
I.10	861	12	510	31	106	127	1647	0	735	1663	15	0	35	2448	801	
II.10	747	4	419	35	102	146	1453	0	718	1513	7	0	36	2274	821	
III.10	814	5	415	36	119	104	1493	0	620	1675	5	0	33	2333	840	
IV.10	703	4	249	42	112	80	1190	1	690	1577	69	0	55	2392	1202	
V.10	614	54	596	83	125	111	1583	1	367	1000	60	0	30	1458	-125	
VI.10	486	40	804	115	119	204	1768	4	323	701	16	0	10	1054	-714	
VII.10	461	5	544	201	127	337	1675	17	624	853	9	0	0	1503	-172	
VIII.10	450	27	702	168	93	170	1610	14	382	733	14	2	6	1151	-459	
IX.10	623	23	617	140	104	233	1740	6	449	969	27	0	1	1452	-288	
X.10	615	1	539	113	91	364	1723	6	767	1178	65	0	3	2019	296	
XI.10	724	10	562	37	118	130	1581	1	555	1376	149	0	72	2153	572	
XII.10	817	67	793	13	112	5	1807	3	315	1467	205	0	303	2293	486	
2010	7915	252	6750	1014	1328	2011	19270	53	6545	14705	641	2	584	22530	3260	
I.11	885	15	788	28	97	28	1841	1	558	1589	158	0	169	2475	634	
II.11	827	0	442	53	78	111	1511	1	720	1653	54	0	27	2455	944	
III.11	771	3	447	41	102	111	1475	2	741	1644	75	0	82	2544	1069	
IV.11	596	12	386	48	82	127	1251	5	797	1285	59	0	33	2179	928	
V.11	357	12	549	68	93	274	1353	3	886	820	113	1	6	1829	476	
VI.11	617	20	647	67	109	220	1680	1	588	959	103	0	13	1664	-16	
VII.11	430	9	382	221	108	344	1494	20	850	1037	14	0	3	1924	430	
VIII.11	436	5	514	228	1	185	1369	23	795	1006	11	0	11	1846	477	
IX.11	275	7	358	321	68	163	1192	41	853	1012	7	8	18	1939	747	
X.11	745	4	509	178	112	242	1790	2	919	1366	41	0	18	2346	556	
XI.11	720	0	113	191	118	327	1469	1	1066	1685	23	0	7	2782	1313	
XII.11	699	0	222	186	104	249	1460	4	1282	1867	39	1	15	3208	1748	
2011	7358	87	5357	1630	1072	2381	17885	104	10055	15923	697	10	402	27191	9306	

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	7452
			2010	7684
			2011	9404
Hydraulic net generation	GWh	Σ	2006	5857
			2010	7870
			2011	4290
Other renewable net generation ¹	GWh	Σ	2006	0
			2010	0
			2011	0
- of which wind ¹	GWh	Σ	2006	0
			2010	0
			2011	0
- of which solar ¹	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	13309
			2010	15554
			2011	13694
Sum of physical inside flows	GWh	Σ	2006	3015
			2010	3056
			2011	3780
Sum of physical outside flows	GWh	Σ	2006	5123
			2010	6886
			2011	3855
Total exchange balance	GWh	Σ	2006	-2200
			2010	-3827
			2011	-1487
Consumption of pumps	GWh	Σ	2006	0
			2010	2
			2011	21
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	11109
			2010	11725
			2011	12186
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	1162
			15.12.10	1220
			21.12.11	1205
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	1644
			15.12.10	1812
			21.12.11	1797
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	1826
			15.12.10	2051
			21.12.11	1997
Time of highest load on the 3 rd Wednesday	CET		20.12.06	18:00
			15.12.10	18:00
			21.12.11	18:00

MM_YY	Outside flows (OF)					Sum_OF	Inside flows (IF)					Sum_IF	Sum_IF - Sum_OF
	BA→CS	BA→HR	BA→ME	BA→RS			HR→CS	HR→BA	ME→BA	RS→BA			
I.06	159	352				511	106	62				168	-343
II.06	101	298				399	127	76				203	-196
III.06	7	391				398	80	64				144	-254
IV.06	100	395				495	87	64				151	-344
V.06	105	352				457	208	51				259	-198
VI.06	60	320				380	264	65				329	-51
VII.06	94	361				455	230	25				255	-200
VIII.06	170	259				429	220	41				261	-168
IX.06	163	206				369	200	46				246	-123
X.06	191	242				433	252	58				310	-123
XI.06	184	234				418	252	53				305	-113
XII.06	142	237				379	315	69				384	5
2006	1476	3647				5123	2341	674				3015	-2108
I.10	426	258	258	71		755	97	46	29			172	-583
II.10	465	181	181	30		676	53	44	54			151	-525
III.10	520	178	178	38		736	61	50	32			143	-593
IV.10	448	61	61	20		529	67	57	64			188	-341
V.10	528	74	74	54		656	69	55	22			146	-510
VI.10	373	77	77	7		457	57	89	114			260	-197
VII.10	207	155	155	7		369	115	33	247			395	26
VIII.10	111	210	210	8		329	206	10	209			425	96
IX.10	229	139	139	12		380	121	26	211			358	-22
X.10	400	62	62	14		476	99	42	197			338	-138
XI.10	522	70	70	32		624	86	78	95			259	-365
XII.10	698	132	132	69		899	78	98	45			221	-678
2010	4927	1597	1597	362		6886	1109	628	1319			3056	-3830
I.11	504	156	156	28		688	76	61	100			237	-451
II.11	301	149	149	19		469	100	43	142			285	-184
III.11	472	133	133	7		612	74	42	177			293	-319
IV.11	375	66	66	7		448	79	67	243			389	-59
V.11	417	43	43	8		468	64	74	207			345	-123
VI.11	335	54	54	11		400	45	46	193			284	-116
VII.11	272	122	122	15		409	90	29	167			286	-123
VIII.11	175	206	206	31		412	171	9	174			354	-58
IX.11	207	168	168	21		396	151	10	253			414	18
X.11	246	134	134	29		409	112	18	139			269	-140
XI.11	143	277	277	49		469	285	3	182			470	1
XII.11	92	313	313	91		496	375	5	181			561	65
2011	3539	1821	1821	316		5676	1622	407	2158			4187	-1489

¹ These physical energy flows were measured on the cross-frontier transmission lines (≥110 kV). These values may differ from the official statistics and the total physical balance in the table "Monthly values / Operation".

Belgium

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	44315
			2010	45729
			2011	45943
Fossil fuels net generation	GWh	Σ	2006	32567
			2010	36770
			2011	28996
Hydraulic net generation	GWh	Σ	2006	1613
			2010	1646
			2011	1410
Other renewable net generation	GWh	Σ	2006	3400
			2010	7286
			2011	9279
- of which wind	GWh	Σ	2006	359
			2010	1286
			2011	2307
- of which solar	GWh	Σ	2006	n.a.
			2010	556
			2011	1493
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	81895
			2010 ¹	91431
			2011 ¹	85628
Sum of physical inside flows	GWh	Σ	2006	18729
			2010	12395
			2011	13189
Sum of physical outside flows	GWh	Σ	2006	8697
			2010	11844
			2011	10652
Total exchange balance	GWh	Σ	2006	10157
			2010	551
			2011	2537
Consumption of pumps	GWh	Σ	2006	1690
			2010	1786
			2011	1629
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	90362
			2010	90196
			2011	86536
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	10350
			15.12.10	11066
			19.01.11	10174
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	12770
			15.12.10	13390
			19.01.11	13246
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	13385
			15.12.10	14039
			19.01.11	13881
Time of highest load on the 3 rd Wednesday	CET		20.12.06	18:00
			15.12.10	19:00
			19.01.11	19:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)				Inside flows (IF)				Sum_IF - Sum_OF	Balance
	BE→FR	BE→LU	BE→NL	Sum_OF	FR→BE	LU→BE	NL→BE	Sum_IF		
I.06	320	147	64	531	296	222	888	1406	875	
II.06	564	127	29	720	127	130	1118	1375	655	
III.06	446	147	27	620	265	227	1275	1767	1147	
IV.06	11	139	412	562	1032	201	419	1652	1090	
V.06	15	162	443	620	1114	223	323	1660	1040	
VI.06	23	161	771	955	1230	239	190	1659	704	
VII.06	52	179	801	1032	1272	226	137	1635	603	
VIII.06	30	85	860	975	1456	192	6	1654	679	
IX.06	15	132	790	937	1468	202	75	1745	808	
X.06	46	146	521	713	1062	186	120	1368	655	
XI.06	89	143	222	454	952	208	303	1463	1009	
XII.06	370	129	79	578	370	226	749	1345	767	
2006	1981	1697	5019	8697	10644	2482	5603	18729	10032	
I.10	805	96	111	1012	111	160	947	1218	206	
II.10	601	88	258	947	84	153	670	907	-40	
III.10	610	104	326	1040	140	157	623	920	-120	
IV.10	449	108	264	821	153	142	456	751	-70	
V.10	596	133	428	1157	155	102	586	843	-314	
VI.10	117	73	745	935	566	160	326	1052	117	
VII.10	178	100	841	1119	380	154	246	780	-339	
VIII.10	126	52	1168	1346	478	152	183	813	-533	
IX.10	248	103	571	922	359	145	392	896	-26	
X.10	849	108	200	1157	80	173	1067	1320	163	
XI.10	499	99	282	880	222	154	828	1204	324	
XII.10	324	59	124	507	320	195	1068	1583	1076	
2010	5402	1123	5318	11843	3048	1847	7392	12287	444	
I.11	145	112	292	549	633	169	559	1361	812	
II.11	99	101	212	412	565	157	425	1147	735	
III.11	120	100	401	621	769	166	484	1419	798	
IV.11	156	99	586	841	628	155	235	1018	177	
V.11	139	124	878	1141	724	154	118	996	-145	
VI.11	65	123	1011	1199	1035	171	85	1291	92	
VII.11	102	138	1109	1349	812	144	144	1100	-249	
VIII.11	111	111	1110	1332	656	14	181	851	-481	
IX.11	81	157	804	1042	631	0	243	874	-168	
X.11	389	107	240	736	209	36	673	918	182	
XI.11	461	79	187	727	220	186	639	1045	318	
XII.11	461	69	180	710	236	181	735	1152	442	
2011	2329	1320	7010	10659	7118	1533	4521	13172	2513	

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Bulgaria

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	18957
			2010	14181
			2011	15172
Fossil fuels net generation	GWh	Σ	2006	20480
			2010	21084
			2011	25889
Hydraulic net generation	GWh	Σ	2006	4497
			2010	5431
			2011	3542
Other renewable net generation	GWh	Σ	2006	0
			2010	331
			2011	540
- of which wind	GWh	Σ	2006	0
			2010	331
			2011	540
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	43934
			2010	41027
			2011	45143
Sum of physical inside flows	GWh	Σ	2006	1138
			2010	1178
			2011	1493
Sum of physical outside flows	GWh	Σ	2006	8875
			2010	9278
			2011	12000
Total exchange balance	GWh	Σ	2006	-7806
			2010	-8517
			2011	-10726
Consumption of pumps	GWh	Σ	2006	456
			2010	973
			2011	1184
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	35672
			2010	31537
			2011	33233
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	5004
			15.12.10	4399
			16.02.11	4407
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	6041
			20.01.10	6076
			16.02.11	5903
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	6340
			15.12.10	6640
			16.02.11	6395
Time of highest load on the 3 rd Wednesday	CET		20.12.06	20:00
			15.12.10	19:00
			16.02.11	20:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)							Inside flows (IF)							Sum_IF - Sum_OF
	BG→CS	BG→GR	BG→MK	BG→RO	BG→RS	BG→TR	Sum_OF	CS→BG	GR→BG	MK→BG	RO→BG	RS→BG	TR→BG	Sum_IF	
I.06	338	427	78	32		0	875	0	0	0	74	0	0	74	
II.06	332	422	73	40		0	867	0	0	0	55	0	0	55	
III.06	302	423	68	70		0	863	0	0	0	65	0	0	65	
IV.06	231	370	65	66		0	732	0	0	0	13	0	0	13	
V.06	225	202	46	55		0	528	0	0	0	41	0	0	41	
VI.06	183	403	92	82		0	760	0	0	0	70	0	0	70	
VII.06	158	392	69	84		0	703	0	0	0	85	0	0	85	
VIII.06	280	406	78	102		0	866	0	0	0	141	0	0	141	
IX.06	100	344	72	151		0	667	0	0	0	74	0	0	74	
X.06	152	318	71	26		0	567	0	0	0	85	0	0	85	
XI.06	223	350	72	2		0	647	0	0	0	248	0	0	248	
XII.06	313	411	76	0		0	800	0	0	0	187	0	0	187	
2006	2837	4468	860	710		0	8875	0	0	0	1138	0	0	1138	
I.10	214	214	183	12	87	0	496	0	0	0	175	5	0	180	
II.10	227	227	202	27	124	0	580	1	0	0	85	0	0	86	
III.10	279	279	198	22	71	0	570	0	0	0	80	3	0	83	
IV.10	243	243	171	25	37	0	476	0	0	0	73	17	0	90	
V.10	167	167	139	118	24	0	448	0	0	0	62	33	0	95	
VI.10	345	345	258	167	148	0	918	0	0	0	2	0	0	2	
VII.10	458	458	387	93	226	0	1164	0	0	0	23	0	0	23	
VIII.10	480	480	412	21	233	0	1146	0	0	0	115	0	0	115	
IX.10	353	353	314	31	174	0	872	0	0	0	134	0	0	134	
X.10	220	220	216	72	193	0	701	0	0	0	239	0	0	239	
XI.10	245	245	245	36	226	209	961	0	0	0	76	0	12	88	
XII.10	222	222	228	53	251	192	946	0	0	0	42	0	1	43	
2010	3453	3453	2953	677	1794	401	9278	1	0	0	1106	58	13	1178	
I.11	230	230	233	16	189	191	859	0	0	0	133	0	1	134	
II.11	250	250	253	14	222	223	962	0	0	0	158	0	0	158	
III.11	240	240	244	10	192	197	883	0	0	0	191	0	0	191	
IV.11	227	227	245	23	261	204	960	0	0	0	83	0	0	83	
V.11	163	163	219	155	244	219	1000	0	0	0	78	0	2	80	
VI.11	224	224	224	108	219	151	926	0	0	0	10	0	1	11	
VII.11	302	302	281	70	191	419	1263	0	0	0	50	0	0	50	
VIII.11	305	305	230	16	184	352	1087	0	0	0	138	0	44	182	
IX.11	233	233	254	44	225	314	1070	0	0	0	99	0	0	99	
X.11	186	186	190	75	175	290	916	0	0	0	171	0	0	171	
XI.11	225	225	267	22	243	255	1012	0	0	0	181	0	0	181	
XII.11	238	238	278	15	276	255	1062	0	0	0	153	0	0	153	
2011	2823	2823	2918	568	2621	3070	12000	0	0	0	1445	0	48	1493	

¹These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	26244
			2010	25205
			2011	25560
Fossil fuels net generation	GWh	Σ	2006	2282
			2010	2208
			2011	2107
Hydraulic net generation	GWh	Σ	2006	32558
			2010	37450
			2011	33795
Other renewable net generation	GWh	Σ	2006	1059
			2010	1389
			2011	1419
- of which wind	GWh	Σ	2006	6
			2010	24
			2011	60
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	62143
			2010 ¹	66252
			2011 ¹	62881
Sum of physical inside flows	GWh	Σ	2006	32742
			2010	32640
			2011	34090
Sum of physical outside flows	GWh	Σ	2006	29040
			2010	30930
			2011	30312
Total exchange balance	GWh	Σ	2006	3800
			2010	1951
			2011	4024
Consumption of pumps	GWh	Σ	2006	2720
			2010	2494
			2011	2466
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006 ²	63223
			2010 ²	65709
			2011 ²	64439
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.03.06	7717
			15.12.10	8381
			21.12.11	7432
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	10049
			15.12.10	10532
			21.01.11	9910
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	10218
			15.12.10	10835
			21.01.11	10161
Time of highest load on the 3 rd Wednesday	CET		15.02.06	10:00
			15.12.10	18:00
			21.01.11	18:00

¹Including deliveries from industry

² Calculations based on the ENTSO-E database differ from the official values of the Swiss Federal Office of Energy.

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)				Inside flows (IF)					Sum_IF - Sum_OF	Balance
	CH→AT	CH→DE	CH→FR	CH→IT	Sum_OF	AT→CH	DE→CH	FR→CH	IT→CH		
I.06	0	120	439	1058	1617	754	1639	784	149	3326	1709
II.06	0	110	509	1089	1708	687	1523	627	129	2966	1258
III.06	1	92	365	1412	1870	696	1426	870	98	3090	1220
IV.06	1	202	5	2164	2372	613	961	1151	0	2725	353
V.06	11	438	36	2062	2547	374	539	960	2	1875	-672
VI.06	0	234	62	2179	2475	694	962	642	5	2303	-172
VII.06	28	520	271	2118	2937	511	698	525	29	1763	-1174
VIII.06	20	292	28	1756	2096	489	698	1031	2	2220	124
IX.06	12	406	100	2230	2748	486	807	968	1	2262	-486
X.06	1	208	72	2738	3019	615	1207	1192	5	3019	0
XI.06	5	202	55	2472	2734	610	1377	1355	1	3343	609
XII.06	3	93	214	2607	2917	775	1857	1217	1	3850	933
2006	82	2917	2156	23885	29040	7304	13694	11322	422	32742	3702
I.10	0	90	652	1686	2428	861	1656	745	52	3314	886
II.10	0	57	426	1903	2386	747	1660	840	27	3274	888
III.10	0	90	324	2185	2599	814	1713	1084	45	3656	1057
IV.10	1	143	147	2126	2417	703	1260	924	44	2931	514
V.10	1	270	276	2003	2550	614	639	672	60	1985	-565
VI.10	4	548	165	1953	2670	486	486	748	65	1785	-885
VII.10	17	428	362	2503	3310	461	781	641	27	1910	-1400
VIII.10	14	406	246	1730	2396	450	795	786	9	2040	-356
IX.10	6	216	377	1784	2383	623	1146	783	17	2569	186
X.10	6	124	697	2043	2870	615	1520	858	16	3009	139
XI.10	1	106	543	1817	2467	724	1433	902	27	3086	619
XII.10	3	103	905	1443	2454	817	1464	696	104	3081	627
2010	53	2581	5120	23176	30930	7915	14553	9679	493	32640	1710
I.11	1	71	461	2058	2591	885	1640	1037	40	3602	1011
II.11	1	55	242	2328	2626	827	1754	1068	18	3667	1041
III.11	2	128	153	2108	2391	771	1627	1173	92	3663	1272
IV.11	5	288	15	2053	2361	596	948	1113	46	2703	342
V.11	3	422	26	1800	2251	357	744	980	33	2114	-137
VI.11	1	345	74	1897	2317	617	647	867	82	2213	-104
VII.11	20	504	78	2343	2945	430	672	947	21	2070	-875
VIII.11	23	230	115	1527	1895	436	793	842	36	2107	212
IX.11	41	351	216	1690	2298	275	592	883	25	1775	-523
X.11	2	137	129	2686	2954	745	1230	983	13	2971	17
XI.11	1	132	167	2563	2863	720	1579	1164	14	3477	614
XII.11	4	99	158	2559	2820	699	1774	1244	11	3728	908
2011	104	2762	1834	25612	30312	7358	14000	12301	431	34090	3778

¹These physical energy flows were measured on the tie lines (±110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Czech Republic

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	24499
			2010	26441
			2011	26709
Fossil fuels net generation	GWh	Σ	2006	49972
			2010	48713
			2011	48998
Hydraulic net generation	GWh	Σ	2006	3244
			2010	3380
			2011	2821
Other renewable net generation	GWh	Σ	2006	175
			2010	948
			2011	2500
- of which wind	GWh	Σ	2006	49
			2010	334
			2011	384
- of which solar	GWh	Σ	2006	n.a.
			2010	604
			2011	2115
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	77890
			2010 ¹	79482
			2011 ¹	81028
Sum of physical inside flows	GWh	Σ	2006	11463
			2010	6682
			2011	10454
Sum of physical outside flows	GWh	Σ	2006	24092
			2010	21579
			2011	27499
Total exchange balance	GWh	Σ	2006	-12632
			2010	-14949
			2011	-17044
Consumption of pumps	GWh	Σ	2006	950
			2010	797
			2011	944
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	64308
			2010	63736
			2011	63040
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	8353
			15.12.10	7989
			16.02.11	7524
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	9722
			15.12.10	9944
			16.02.11	9560
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	10095
			15.12.10	10307
			16.02.11	9672
Time of highest load on the 3 rd Wednesday		CET	18.01.06	17:00
			15.12.10	17:00
			16.02.11	16:00

¹Including deliveries from industry

MM_YY	Sum_OF				Inside flows (IF)					Sum_IF	Sum_IF - Sum_OF	Balance
	CZ→AT	CZ→DE	CZ→PL	CZ→SK	AT→CZ	DE→CZ	PL→CZ	SK→CZ				
I.06	631	1027	0	495	0	111	1174	107	1392	-761		
II.06	527	1015	0	445	4	93	1043	69	1209	-778		
III.06	425	1300	1	371	7	2	1025	97	1131	-966		
IV.06	421	1083	1	287	2	1	831	63	897	-895		
V.06	485	1101	8	316	2	0	781	80	863	-1047		
VI.06	428	1004	8	317	0	0	584	49	633	-1124		
VII.06	392	1090	10	408	4	1	558	39	602	-1298		
VIII.06	123	1035	12	597	3	5	538	34	580	-1187		
IX.06	649	754	1	457	0	11	695	6	712	-1149		
X.06	672	769	0	627	0	97	866	29	992	-1076		
XI.06	575	927	1	743	1	121	1043	14	1179	-1067		
XII.06	811	949	0	794	0	205	1043	25	1273	-1281		
2006	6139	12054	42	5857	23	647	10181	612	11463	-12629		
I.10	735	971	4	409	12	41	521	24	598	-1521		
II.10	718	831	2	475	4	35	643	6	688	-1338		
III.10	620	1100	4	421	5	17	511	16	549	-1596		
IV.10	690	783	3	457	4	17	451	19	491	-1442		
V.10	367	484	18	346	54	47	360	28	489	-726		
VI.10	323	632	25	306	40	42	260	34	376	-910		
VII.10	624	688	8	861	5	53	442	1	501	-1680		
VIII.10	382	560	14	431	27	78	322	22	449	-938		
IX.10	449	682	28	591	23	45	416	6	490	-1260		
X.10	767	726	11	677	1	92	618	7	718	-1463		
XI.10	555	845	5	388	10	78	550	54	692	-1101		
XII.10	315	1098	14	136	67	19	406	149	641	-922		
2010	6545	9400	136	5498	252	564	5500	366	6682	-14897		
I.11	558	1309	10	197	15	6	440	73	534	-1540		
II.11	720	819	6	442	0	116	582	19	717	-1270		
III.11	741	1033	5	466	3	63	698	49	813	-1432		
IV.11	797	839	6	434	12	73	580	32	697	-1379		
V.11	886	800	6	451	12	38	514	26	590	-1553		
VI.11	588	754	6	430	20	18	473	21	532	-1246		
VII.11	850	415	1	879	9	226	866	6	1107	-1038		
VIII.11	795	429	3	984	5	95	821	0	921	-1290		
IX.11	853	512	2	689	7	221	577	1	806	-1250		
X.11	919	887	0	928	4	164	772	1	941	-1793		
XI.11	1066	709	0	990	0	291	921	0	1212	-1553		
XII.11	1282	902	0	1101	0	575	1009	0	1584	-1701		
2011	10055	9408	45	7991	87	1886	8253	228	10454	-17045		

¹These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values /Operation".

Germany

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	158725
			2010	133373
			2011	101458
Fossil fuels net generation	GWh	Σ	2006	359126
			2010	344278
			2011	350456
Hydraulic net generation	GWh	Σ	2006	23997
			2010	21698
			2011	19853
Other renewable net generation	GWh	Σ	2006	45964
			2010	73801
			2011	86123
- of which wind	GWh	Σ	2006	32295
			2010	36665
			2011	44641
- of which solar	GWh	Σ	2006	n.a.
			2010	10874
			2011	18341
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	587812
			2010 ¹	573150
			2011 ¹	557890
Sum of physical inside flows	GWh	Σ	2006	46140
			2010	42171
			2011	49722
Sum of physical outside flows	GWh	Σ	2006	65912
			2010	59878
			2011	55988
Total exchange balance	GWh	Σ	2006	-19771
			2010	-17707
			2011	-6276
Consumption of pumps	GWh	Σ	2006	8963
			2010	8021
			2011	7347
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	559078
			2010	547422
			2011	544267
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	59000
			15.12.10	65661
			16.11.11	54573
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	78574
			15.12.10	80694
			19.01.11	78280
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	80750
			15.12.10	83090
			16.11.11	80593
Time of highest load on the 3 rd Wednesday	CET		15.02.06	19:00
			15.12.10	18:00
			16.11.11	18:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)										Inside flows (IF)										Sum_IF - Sum_OF	Balance			
	DE→AT	DE→CH	DE→CZ	DE→DK	DE→DK_W	DE→DK_E	DE→FR	DE→LU	DE→NL	DE→PL	DE→SE	Sum_OF	AT→DE	CH→DE	CZ→DE	DK→DE	DK_W→DE	DK_E→DE	FR→DE	LU→DE			NL→DE	PL→DE	SE→DE
I.06	1706	1639	111		22	22	123	466	2486	303	23	6901	419	120	1027	770	291	534	69	0	9	233	3472	-3429	
II.06	1531	1523	93		7	18	350	416	2322	279	25	6564	405	110	1015	723	297	275	61	0	7	272	3165	-3399	
III.06	1405	1426	2		43	114	266	442	2759	231	147	6835	541	92	1300	585	179	436	64	0	13	131	3341	-3494	
IV.06	1050	961	1		200	214	10	406	2113	56	258	5289	548	202	1083	244	68	1520	67	0	94	74	3900	-1369	
V.06	638	539	0		258	72	5	426	2031	120	147	4236	622	438	1101	226	24	1666	76	1	44	112	4310	74	
VI.06	899	962	0		265	225	20	416	1564	11	241	4603	687	234	1004	228	86	1567	72	8	212	76	4174	-429	
VII.06	898	698	1		194	176	44	440	1178	153	136	3918	823	520	1090	247	166	1258	67	35	102	187	4495	577	
VIII.06	843	698	5		437	360	0	392	929	78	339	4081	632	292	1035	46	13	2118	60	214	133	11	4574	493	
IX.06	1108	807	11		236	233	4	422	1115	88	216	4240	358	406	754	122	29	1980	65	22	77	20	3833	-407	
X.06	1449	1207	97		237	236	0	447	1478	287	186	5624	277	208	769	244	103	2051	72	2	30	51	3807	-1817	
XI.06	1360	1377	121		69	161	0	434	1986	411	156	6075	322	202	927	376	171	1690	64	0	1	146	3899	-2176	
XII.06	1912	1857	205		109	64	16	427	2375	531	70	7566	188	93	949	412	205	1077	67	1	0	178	3170	-4396	
2006	14799	13694	647		2077	1895	838	5134	22336	2548	1944	65912	5842	2917	12054	4223	1632	16172	804	283	722	1491	46140	-19772	
I.10	1663	1656	41	614			239	542	643	548	329	6275	510	90	971	205	576	116	239	3	1	2711	2711	-3564	
II.10	1513	1660	35	663			57	486	410	584	374	5782	419	57	831	115	910	104	247	0	0	2683	2683	-3099	
III.10	1675	1713	17	836			28	511	362	622	293	6057	415	90	1100	47	1308	103	555	0	1	3619	3619	-2438	
IV.10	1577	1260	17	465			7	518	881	584	85	5394	249	143	783	232	1244	129	114	0	32	2926	2926	-2468	
V.10	1000	639	47	296			52	562	1036	360	31	4023	596	270	484	411	920	155	209	10	230	3285	3285	-738	
VI.10	701	486	42	471			3	507	920	161	61	3352	804	548	632	420	1934	111	191	42	220	4722	4722	1370	
VII.10	853	781	53	439			6	482	934	525	139	4221	544	428	688	424	1690	82	138	5	199	4198	4198	-23	
VIII.10	733	795	78	583			0	435	576	405	127	3732	702	406	560	168	2408	77	291	25	102	4739	4739	1007	
IX.10	969	1146	45	594			6	470	584	254	254	4322	617	216	682	178	1507	89	327	16	41	3673	3673	-649	
X.10	1178	1520	92	423			168	521	330	513	224	4969	539	124	726	368	924	109	481	1	97	3369	3369	-1600	
XI.10	1376	1433	78	377			99	546	707	466	206	5288	562	106	845	257	1096	138	210	16	79	3309	3309	-1979	
XII.10	1467	1464	19	710			130	579	1550	312	232	6463	793	103	1098	62	609	148	70	49	5	2937	2937	-3526	
2010	14705	14553	564	6471			795	6159	8942	5334	2355	59878	6750	2581	9400	2707	15126	1361	3072	167	1007	42171	42171	-17707	
I.11	1589	1640	6	728			27	567	1578	207	191	6533	788	71	1309	97	1236	140	11	71	18	18	3741	3741	-2792
II.11	1653	1754	116	511			18	540	1022	399	152	6165	442	55	819	123	1275	139	61	14	14	14	2942	2942	-3223
III.11	1644	1627	63	538			15	566	989	291	126	5859	447	288	1033	140	1648	197	86	72	29	29	3780	3780	-2079
IV.11	1285	948	73	350			16	515	730	319	43	4279	386	288	839	457	1819	123	228	27	22	22	4189	4189	-90
V.11	820	744	38	248			0	440	279	160	13	2742	549	422	800	241	2232	49	542	121	23	23	4979	4979	2237
VI.11	959	647	18	171			2	342	795	219	42	3195	647	345	754	519	2201	0	250	77	256	256	5049	5049	1854
VII.11	1037	672	226	72			1	413	688	630	11	3750	382	504	415	540	2274	47	309	4	303	4778	4778	1028	
VIII.11	1006	793	95	80			10	452	555	413	10	3414	514	230	429	474	1937	79	424	16	293	4396	4396	982	
IX.11	1012	592	221	45			8	471	588	319	0	3256	358	351	512	540	1392	79	396	22	227	3877	3877	621	
X.11	1366	1230	164	47			35	512	764	636	11	4765	509	137	887	524	1149	101	321	6	165	3799	3799	-966	
XI.11	1685	1579	291	26			3	482	594	712	8	5380	113	132	709	674	1654	80	427	3	330	4122	4122	-1258	
XII.11	1867	1774	575	90			4	479	1007	833	21	6650	222	99	902	726	1498	90	166	0	367	2047	2047	-2580	
2011	15923	14000	1886	2906			139	5779	9589	5138	628	55988	5357	2762	9408	5055	20315	1124	3221	433	2047	49722	49722	-6266	

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Denmark

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	37198
			2010	26294
			2011	21811
Hydraulic net generation	GWh	Σ	2006	23
			2010	23
			2011	19
Other renewable net generation	GWh	Σ	2006	6107
			2010	10445
			2011	11309
- of which wind	GWh	Σ	2006	6107
			2010	7813
			2011	8938
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	43328
			2010 ¹	36762
			2011 ¹	33139
Sum of physical inside flows	GWh	Σ	2006	n.a.
			2010	10585
			2011	11647
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	11740
			2011	10276
Total exchange balance	GWh	Σ	2006	-6936
			2010	-1122
			2011	1319
Consumption of pumps	GWh	Σ	2006	0
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	36392
			2010	35640
			2011	34458
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	3653
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	5945
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			19.01.11	6312
Time of highest load on the 3 rd Wednesday	CET		15.12.10	n.a.
			19.01.11	18:00
			19.01.11	18:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

Denmark GWh

MM_YY	Sum_OF								Sum_IF								Sum_IF - Sum_OF
	DK_W→DE	DK_E→DE	DK→DE	DK_W→NO	DK→NO	DK_W→SE	DK→SE	Sum_OF	DE→DK_W	DE→DK_E	DE→DK	NO→DK_W	NO→DK	SE→DK_W	SE→DK	Sum_IF	
	Outside flows (OF)								Inside flows (IF)								Balance
I.06	770	291	205	84	384	71	680	1216	22	22	614	269	130	72	3	385	
II.06	723	297	115	50	479	67	790	1137	7	18	663	145	49	81	2	251	
III.06	585	179	47	179	629	158	796	1101	43	114	836	78	2	17	7	252	
IV.06	244	68	232	261	420	105	290	678	200	214	465	30	34	37	126	481	
V.06	226	24	411	203	337	107	44	560	258	72	296	53	124	83	535	466	
VI.06	228	86	240	180	243	164	38	658	265	225	471	87	117	20	955	597	
VII.06	247	166	163	138	163	87	86	638	194	176	439	143	277	90	697	603	
VIII.06	46	13	155	254	155	301	132	614	437	360	583	29	204	7	1144	689	
IX.06	122	29	178	240	159	212	32	603	236	303	594	32	214	9	870	66	
X.06	244	103	368	236	241	173	467	756	237	236	423	57	184	68	705	365	
XI.06	376	171	257	196	352	193	359	936	69	161	377	78	89	30	583	338	
XII.06	412	205	62	303	493	105	835	1025	109	64	710	126	34	75	749	651	
2006	4223	1632	2707	2324	4055	1743	4978	9922	2077	1895	6471	1127	1458	589	2656	5688	
I.10			205		384		680	1269			614		130		3	747	
II.10			115		479		790	1384			663		49		2	714	
III.10			47		629		796	1472			836		2		7	845	
IV.10			232		420		290	942			465		34		126	625	
V.10			411		337		44	792			296		124		535	955	
VI.10			240		243		38	521			471		117		697	764	
VII.10			424		163		86	673			439		277		647	1363	
VIII.10			168		155		132	455			583		204		357	690	
IX.10			178		159		467	804			594		214		62	870	
X.10			368		241		461	1070			423		184		98	705	
XI.10			257		352		359	968			377		89		117	583	
XII.10			62		493		835	1390			710		34		5	749	
2010			2707		4055		4978	11740			6471		1458		2656	10585	
I.11			97		599		739	1435			728		6		31	765	
II.11			123		535		775	1433			511		8		19	538	
III.11			140		586		555	1281			538		10		49	597	
IV.11			457		304		257	1018			350		156		388	894	
V.11			241		190		115	546			248		203		337	788	
VI.11			519		19		33	571			171		173		774	1118	
VII.11			540		0		46	586			72		531		821	1424	
VIII.11			474		6		27	507			80		632		693	1405	
IX.11			540		0		8	548			45		561		783	841	
X.11			524		9		46	579			47		517		375	939	
XI.11			674		12		86	772			26		506		393	925	
XII.11			726		154		120	1000			90		297		478	865	
2011			5055		2414		2807	10276			2906		3600		5141	11647	

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	n.a.
			2010	10465
			2011	10271
Hydraulic net generation	GWh	Σ	2006	n.a.
			2010	27
			2011	33
Other renewable net generation	GWh	Σ	2006	n.a.
			2010	836
			2011	1085
- of which wind	GWh	Σ	2006	n.a.
			2010	276
			2011	364
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010	11328
			2011	11389
Sum of physical inside flows	GWh	Σ	2006	n.a.
			2010	1743
			2011	1517
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	4947
			2011	4986
Total exchange balance	GWh	Σ	2006	n.a.
			2010	-3317
			2011	-3562
Consumption of pumps	GWh	Σ	2006	n.a.
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010	8011
			2011	7827
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10	n.a.
			16.02.11	1038
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10	n.a.
			16.02.11	1445
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10	n.a.
			16.02.11	1495
Time of highest load on the 3 rd Wednesday		CET	20.01.10	n.a.
			16.02.11	17:00
				9:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)			Inside flows (IF)			Sum_IF	Sum_IF - Sum_OF	Balance
	EE→FI	EE→LV	EE→RU	FI→EE	LV→EE	RU→EE			
I.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
II.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
III.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IV.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
V.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VIII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IX.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
X.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2006	7	n.a.	n.a.	4	n.a.	n.a.	n.a.	n.a.	n.a.
I.10	213	116	8	0	8	149	157	-180	
II.10	223	126	7	0	1	134	135	-221	
III.10	246	126	12	0	13	92	105	-279	
IV.10	222	90	7	1	15	196	212	-107	
V.10	172	151	36	24	1	77	102	-257	
VI.10	121	232	60	24	0	63	87	-326	
VII.10	90	337	34	31	0	102	133	-328	
VIII.10	45	284	45	61	0	46	107	-267	
IX.10	66	314	27	65	0	85	150	-257	
X.10	101	323	31	30	0	114	144	-311	
XI.10	200	251	10	10	0	144	154	-307	
XII.10	268	345	8	0	0	257	257	-364	
2010	1967	2695	285	246	38	1459	1743	-3204	
I.11	254	207	10	0	0	113	113	-358	
II.11	171	176	7	0	0	145	145	-209	
III.11	264	142	19	0	2	98	100	-325	
IV.11	245	74	17	1	22	183	206	-130	
V.11	194	179	22	1	0	144	145	-250	
VI.11	138	290	45	8	0	91	99	-374	
VII.11	40	347	67	90	0	51	141	-313	
VIII.11	73	244	88	26	0	26	52	-353	
IX.11	20	265	125	118	2	29	149	-261	
X.11	15	317	93	169	0	48	217	-208	
XI.11	104	239	109	34	0	48	82	-370	
XII.11	139	153	94	33	0	35	68	-318	
2011	1657	2633	696	480	26	1011	1517	-3469	

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Spain

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	57417
			2010	59310
			2011	55050
Fossil fuels net generation	GWh	Σ	2006	148906
			2010	114052
			2011	121327
Hydraulic net generation	GWh	Σ	2006	28884
			2010	44617
			2011	32173
Other renewable net generation	GWh	Σ	2006	26782
			2010	55057
			2011	55594
- of which wind	GWh	Σ	2006	22737
			2010	43357
			2011	41661
- of which solar	GWh	Σ	2006	n.a.
			2010	6718
			2011	9597
Non-identifiable net generation	GWh	Σ	2006	0
			2010	364
			2011	341
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	268007
			2010	273400
			2011	264485
Sum of physical inside flows	GWh	Σ	2006	9120
			2010	5214
			2011	7935
Sum of physical outside flows	GWh	Σ	2006	11859
			2010	13117
			2011	13656
Total exchange balance	GWh	Σ	2006	-3280
			2010	-8333
			2011	-6127
Consumption of pumps	GWh	Σ	2006	5262
			2010	4458
			2011	3368
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	259465
			2010	260609
			2011	254990
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	27472
			21.07.10	25404
			19.01.11	25119
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	40658
			15.12.10	40073
			16.02.11	39181
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	42744
			15.12.10	41455
			16.02.11	40073
Time of highest load on the 3 rd Wednesday	CET		20.12.06	19:00
			15.12.10	20:00
			16.02.11	20:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)			Inside flows (IF)				Sum_IF - Sum_OF	Balance
	ES→FR	ES→PT	ES→MA	Sum_OF	FR→ES	PT→ES	MA→ES		
I.06	121	914	84	1119	582	223	6	811	-308
II.06	166	806	156	1128	338	251	2	591	-537
III.06	265	824	158	1247	165	330	3	498	-749
IV.06	86	541	116	743	527	271	4	802	59
V.06	13	727	0	740	700	196	0	896	156
VI.06	63	812	105	980	579	151	1	731	-249
VII.06	163	775	103	1041	427	254	3	684	-357
VIII.06	43	643	209	895	687	299	0	986	91
IX.06	37	808	215	1060	677	110	0	787	-273
X.06	78	783	206	1067	595	258	5	858	-209
XI.06	208	502	220	930	327	357	1	685	-245
XII.06	236	346	327	909	306	483	2	791	-118
2006	1479	8481	1899	11859	5910	3183	27	9120	-2739
I.10	468	336	195	999	122	617	2	741	-258
II.10	371	416	78	865	47	350	9	406	-459
III.10	440	385	161	986	91	358	12	461	-525
IV.10	363	323	346	1032	36	287	0	323	-709
V.10	239	345	338	922	107	291	0	398	-524
VI.10	229	534	402	1165	246	122	0	368	-797
VII.10	186	671	438	1295	220	100	0	320	-975
VIII.10	75	691	486	1252	458	80	0	538	-714
IX.10	200	603	491	1294	279	87	0	366	-928
X.10	300	689	498	1487	148	70	0	218	-1269
XI.10	201	456	301	958	183	232	1	416	-542
XII.10	440	218	204	862	54	596	9	659	-203
2010	3512	5667	3938	13117	1991	3190	33	5214	-7903
I.11	337	499	296	1132	113	465	3	581	-551
II.11	218	289	284	791	34	461	1	496	-295
III.11	443	498	321	1262	59	488	2	549	-713
IV.11	316	697	411	1424	163	197	0	360	-1064
V.11	165	386	409	960	308	436	0	744	-216
VI.11	132	542	406	1080	481	224	0	705	-375
VII.11	93	674	499	1266	570	240	0	810	-456
VIII.11	50	580	521	1151	653	301	0	954	-197
IX.11	104	677	434	1215	456	231	0	687	-528
X.11	136	597	359	1092	485	255	0	740	-352
XI.11	250	526	268	1044	150	338	6	494	-550
XII.11	218	720	301	1239	521	292	2	815	-424
2011	2462	6685	4509	13656	3993	3928	14	7935	-5721

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Finland

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	22000
			2010	21884
			2011	22266
Fossil fuels net generation	GWh	Σ	2006	33890
			2010	30961
			2011	24167
Hydraulic net generation	GWh	Σ	2006	11300
			2010	12765
			2011	12279
Other renewable net generation	GWh	Σ	2006	11400
			2010	10646
			2011	10989
- of which wind	GWh	Σ	2006	200
			2010	293
			2011	482
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	711
			2011	692
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	78590
			2010 ¹	76967
			2011 ¹	70393
Sum of physical inside flows	GWh	Σ	2006	11521
			2010	16354
			2011	18489
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	5878
			2011	4614
Total exchange balance	GWh	Σ	2006	11521
			2010	10500
			2011	13851
Consumption of pumps	GWh	Σ	2006	0
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	90111
			2010	87467
			2011	84244
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	11501
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	13591
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	13923
Time of highest load on the 3 rd Wednesday	CET		15.12.10	n.a.
			16.02.11	16:00
				7:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)					Sum_OF	Inside flows (IF)					Sum_IF	Sum_IF - Sum_OF	Balance
	FI→EE	FI→NO	FI→SE	FI→RU	RU→FI		SE→FI	NO→FI	EE→FI	RU→FI	SE→FI			
I.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
II.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
III.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IV.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
V.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VIII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IX.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
X.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2006	7	84	3767	0	3858	4	150	3676	11549	15379	11521	11521	11521	11521
I.10	0	14	329	0	343	213	3	100	1065	1381	1038	1038	1038	1038
II.10	0	21	557	0	578	223	0	157	932	1312	734	734	734	734
III.10	0	40	946	0	986	246	0	1	1060	1307	321	321	321	321
IV.10	1	36	881	0	918	222	0	11	934	1167	249	249	249	249
V.10	24	13	396	0	433	172	9	191	1019	1391	958	958	958	958
VI.10	24	5	296	0	325	121	4	189	976	1290	965	965	965	965
VII.10	31	5	36	0	72	90	38	698	494	1320	1248	1248	1248	1248
VIII.10	61	0	43	0	104	45	24	570	990	1629	1525	1525	1525	1525
IX.10	65	0	277	0	342	66	21	235	1023	1345	1003	1003	1003	1003
X.10	30	1	502	0	533	101	11	174	1059	1345	812	812	812	812
XI.10	10	17	472	0	499	200	2	234	1031	1467	968	968	968	968
XII.10	0	10	735	0	745	268	3	76	1053	1400	655	655	655	655
2010	246	162	5470	0	5878	1967	115	2636	11636	16354	10476	10476	10476	10476
I.11	0	15	722	0	737	254	1	89	1050	1394	657	657	657	657
II.11	0	22	373	0	395	171	1	222	936	1330	935	935	935	935
III.11	0	35	865	0	900	264	0	5	1040	1309	409	409	409	409
IV.11	1	19	617	0	637	245	1	22	1018	1286	649	649	649	649
V.11	1	3	427	0	431	194	12	63	1064	1333	902	902	902	902
VI.11	8	0	231	0	239	138	33	263	1034	1468	1229	1229	1229	1229
VII.11	90	0	13	0	103	40	33	1080	571	1724	1621	1621	1621	1621
VIII.11	26	5	11	0	42	73	6	1044	784	1907	1865	1865	1865	1865
IX.11	118	5	23	0	146	20	6	972	983	1981	1835	1835	1835	1835
X.11	169	0	91	0	260	15	19	849	646	1529	1269	1269	1269	1269
XI.11	34	0	334	0	368	104	19	671	815	1609	1241	1241	1241	1241
XII.11	33	23	300	0	356	139	0	656	824	1619	1263	1263	1263	1263
2011	480	127	4007	0	4614	1657	131	5936	10765	18489	13875	13875	13875	13875

¹These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values /Operation".

France

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	428674
			2010	407877
			2011	421118
Fossil fuels net generation	GWh	Σ	2006	53952
			2010	59453
			2011	51505
Hydraulic net generation	GWh	Σ	2006	60927
			2010	67995
			2011	50267
Other renewable net generation	GWh	Σ	2006	5521
			2010	14984
			2011	20059
- of which wind	GWh	Σ	2006	2222
			2010	9603
			2011	12075
- of which solar	GWh	Σ	2006	n.a.
			2010	562
			2011	2415
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	549074
			2010	550309
			2011	542950
Sum of physical inside flows	GWh	Σ	2006	8079
			2010	19950
			2011	9068
Sum of physical outside flows	GWh	Σ	2006	69868
			2010	48563
			2011	64185
Total exchange balance	GWh	Σ	2006	-63272
			2010	-30520
			2011	-56873
Consumption of pumps	GWh	Σ	2006	7442
			2010	6497
			2011	6834
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	478360
			2010	513292
			2011	479242
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	65988
			15.12.10	78377
			16.02.11	62648
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	76392
			15.12.10	93188
			19.01.11	78514
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	80966
			15.12.10	96710
			19.01.11	82450
Time of highest load on the 3 rd Wednesday		CET	20.12.06	19:00
			15.12.10	19:00
			19.01.11	19:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)								Inside flows (IF)							Sum_IF - Sum_OF	Balance
	FR→BE	FR→CH	FR→DE	FR→ES	FR→GB	FR→IT	Sum_OF	BE→FR	CH→FR	DE→FR	ES→FR	GB→FR	IT→FR	Sum_IF			
I.06	296	784	534	582	968	694	3858	320	439	123	121	81	122	1206	-2652		
II.06	127	627	275	338	610	694	2671	564	509	350	166	191	103	1883	-788		
III.06	265	870	436	165	1126	1042	3904	446	365	266	265	48	100	1490	-2414		
IV.06	1032	1151	1520	527	1395	1614	7239	11	5	10	86	0	36	148	-7091		
V.06	1114	960	1666	700	1318	1439	7197	15	36	5	13	0	42	111	-7086		
VI.06	1230	642	1567	579	680	1366	6064	23	62	20	63	52	44	264	-5800		
VII.06	1272	525	1258	427	741	1249	5472	52	271	44	163	72	54	656	-4816		
VIII.06	1456	1031	2118	687	962	860	7114	30	28	0	43	20	32	153	-6961		
IX.06	1468	968	1980	677	639	1395	7127	15	100	4	37	69	32	257	-6870		
X.06	1062	1192	2051	595	941	1619	7460	46	72	0	78	31	36	263	-7197		
XI.06	952	1355	1690	327	939	1546	6809	89	55	0	208	65	47	464	-6345		
XII.06	370	1217	1077	306	610	1373	4953	370	214	16	236	270	78	1184	-3769		
2006	10644	11322	16172	5910	10929	14891	69868	1981	2156	838	1479	899	726	8079	-61789		
I.10	111	745	576	122	145	811	2510	805	652	239	468	797	115	3076	566		
II.10	84	840	910	47	222	1057	3160	601	426	57	371	714	75	2244	-916		
III.10	140	1084	1308	91	336	1171	4130	610	324	28	440	701	77	2180	-1950		
IV.10	153	924	1244	36	381	1020	3758	449	147	7	363	314	83	1363	-2395		
V.10	155	672	920	107	671	861	3386	596	276	52	239	186	55	1404	-1982		
VI.10	566	748	1934	246	992	1230	5716	117	165	3	229	14	35	563	-5153		
VII.10	380	641	1690	220	1033	1311	5275	178	362	6	186	21	66	819	-4456		
VIII.10	478	786	2408	458	1297	839	6266	126	246	0	75	4	96	547	-5719		
IX.10	359	783	1507	279	594	947	4469	248	377	6	200	122	48	1001	-3468		
X.10	80	858	924	148	247	867	3124	849	697	168	300	599	111	2724	-400		
XI.10	222	902	1096	183	548	957	3908	499	543	99	201	355	87	1784	-2124		
XII.10	320	696	609	54	670	512	2861	324	905	130	440	282	164	2245	-616		
2010	3048	9679	15126	1991	7136	11583	48563	5402	5120	795	3512	4109	1012	19950	-28613		
I.11	633	1037	1236	113	736	1119	4874	145	461	27	337	221	138	1329	-3545		
II.11	565	1068	1275	34	512	1206	4660	99	242	18	218	243	94	914	-3746		
III.11	769	1173	1648	59	495	1261	5405	120	153	15	443	112	88	931	-4474		
IV.11	628	1113	1819	163	483	1339	5545	156	15	16	316	27	67	597	-4948		
V.11	724	980	2232	308	343	1131	5718	139	26	0	165	153	51	534	-5184		
VI.11	1035	867	2201	481	568	1094	6246	65	74	2	132	7	55	335	-5911		
VII.11	812	947	2274	570	666	1073	6342	102	78	1	93	0	56	330	-6012		
VIII.11	656	842	1937	653	606	855	5549	111	115	10	50	7	86	379	-5170		
IX.11	631	883	1392	456	355	925	4642	81	216	8	104	35	81	525	-4117		
X.11	209	983	1149	485	249	1485	4560	389	129	35	136	139	54	882	-3678		
XI.11	220	1164	1654	150	313	1506	5007	461	167	3	250	364	61	1306	-3701		
XII.11	236	1244	1498	521	825	1313	5637	461	158	4	218	61	104	1006	-4631		
2011	7118	12301	20315	3993	6151	14307	64185	2329	1834	139	2462	1369	935	9068	-55117		

¹ These physical energy flows were measured on the tie lines (≥ 110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	n.a.
			2010	58203
			2011	64550
Fossil fuels net generation	GWh	Σ	2006	n.a.
			2010	254647
			2011	230036
Hydraulic net generation	GWh	Σ	2006	n.a.
			2010	5207
			2011	6661
Other renewable net generation	GWh	Σ	2006	n.a.
			2010	3327
			2011	9170
- of which wind	GWh	Σ	2006	n.a.
			2010	3327
			2011	9170
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010	332569
			2011	328289
Sum of physical inside flows	GWh	Σ	2006	n.a.
			2010	7136
			2011	8645
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	6408
			2011	3844
Total exchange balance	GWh	Σ	2006	n.a.
			2010	6185
			2011	4676
Consumption of pumps	GWh	Σ	2006	n.a.
			2010	3045
			2011	3850
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010	335709
			2011	329115
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			21.12.11	37697
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			19.01.11	52261
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			19.01.11	59008
Time of highest load on the 3 rd Wednesday		CET	15.12.10	n.a.
			19.01.11	18:00
				19:00

Physical exchanges in interconnected operation ¹

Great Britain

GWh

MM_YY	Outside flows (OF)			Inside flows (IF)			Sum_IF - Sum_OF	Balance
	GB→FR	GB→NI	GB→NL	FR→GB	NI→GB	NL→GB		
I.06	81	n.a.	n.a.	968	n.a.	n.a.	n.a.	n.a.
II.06	191	n.a.	n.a.	610	n.a.	n.a.	n.a.	n.a.
III.06	48	n.a.	n.a.	1126	n.a.	n.a.	n.a.	n.a.
IV.06	0	n.a.	n.a.	1395	n.a.	n.a.	n.a.	n.a.
V.06	0	n.a.	n.a.	1318	n.a.	n.a.	n.a.	n.a.
VI.06	52	n.a.	n.a.	660	n.a.	n.a.	n.a.	n.a.
VII.06	72	n.a.	n.a.	741	n.a.	n.a.	n.a.	n.a.
VIII.06	20	n.a.	n.a.	962	n.a.	n.a.	n.a.	n.a.
IX.06	69	n.a.	n.a.	639	n.a.	n.a.	n.a.	n.a.
X.06	31	n.a.	n.a.	941	n.a.	n.a.	n.a.	n.a.
XI.06	65	n.a.	n.a.	939	n.a.	n.a.	n.a.	n.a.
XII.06	270	n.a.	n.a.	610	n.a.	n.a.	n.a.	n.a.
2006	899	n.a.	n.a.	10929	n.a.	n.a.	n.a.	n.a.
I.10	797	235	1032	145	0	145	145	-887
II.10	714	218	932	222	0	222	222	-710
III.10	701	248	949	336	0	336	336	-613
IV.10	314	190	504	381	0	381	381	-123
V.10	186	223	409	671	0	671	671	262
VI.10	14	82	96	992	0	992	992	896
VII.10	21	155	176	1033	0	1033	1033	857
VIII.10	4	220	224	1297	0	1297	1297	1073
IX.10	122	134	256	594	0	594	594	388
X.10	599	139	738	247	0	247	247	-491
XI.10	355	165	520	548	0	548	548	28
XII.10	282	290	572	670	0	670	670	98
2010	4109	2299	6408	7136	0	7136	7136	728
I.11	221	300	521	736	0	736	736	215
II.11	243	235	478	512	0	512	512	34
III.11	112	262	374	495	0	495	495	121
IV.11	27	232	287	483	0	483	483	495
V.11	153	242	470	343	0	343	343	-46
VI.11	7	235	309	568	0	568	568	569
VII.11	0	154	180	666	0	666	666	888
VIII.11	7	109	167	606	0	606	606	836
IX.11	35	0	142	355	0	355	355	450
X.11	139	0	235	249	0	249	249	211
XI.11	364	0	583	313	0	313	313	-149
XII.11	61	0	98	825	0	825	825	1177
2011	1369	1769	3844	6151	0	2494	8645	4801

¹ These physical energy flows were measured on the tie lines (≥ 110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	42653
			2010	37920
			2011	42431
Hydraulic net generation	GWh	Σ	2006	6449
			2010	7457
			2011	4254
Other renewable net generation	GWh	Σ	2006	1293
			2010	2503
			2011	3379
- of which wind	GWh	Σ	2006	1199
			2010	2062
			2011	2594
- of which solar	GWh	Σ	2006	n.a.
			2010	133
			2011	441
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	50395
			2010 ¹	47880
			2011 ¹	50064
Sum of physical inside flows	GWh	Σ	2006	6151
			2010	8523
			2011	7181
Sum of physical outside flows	GWh	Σ	2006	1936
			2010	2801
			2011	3932
Total exchange balance	GWh	Σ	2006	4203
			2010	5708
			2011	3231
Consumption of pumps	GWh	Σ	2006	610
			2010	37
			2011	380
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	53988
			2010	53551
			2011	52915
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	19.07.06	5280
			21.07.10	6230
			20.07.11	6723
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	21.06.06	8370
			21.07.10	9279
			20.07.11	9322
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	21.06.06	8586
			16.06.10	9732
			20.07.11	9868
Time of highest load on the 3 rd Wednesday		CET	21.06.06	13:00
			16.06.10	13:00
			20.07.11	13:00

¹Including deliveries from industry

MM_YY	Outside flows (OF)							Inside flows (IF)						Sum_IF - Sum_OF	Balance
	GR→BG	GR→IT	GR→MK	GR→AL	GR→TR	Sum_OF	BG→GR	IT→GR	MK→GR	AL→GR	TR→GR	Sum_IF			
I.06	0	169	1	125	0	295	427	4	56	0	0	487	192		
II.06	0	50	1	125	0	176	422	0	58	0	0	480	304		
III.06	0	222	0	92	0	314	423	0	117	0	0	540	226		
IV.06	0	173	0	21	0	194	370	3	127	4	0	504	310		
V.06	0	149	0	3	0	152	202	0	119	21	0	342	190		
VI.06	0	19	1	43	0	63	403	4	109	1	0	517	454		
VII.06	0	7	0	75	0	82	392	14	181	0	0	587	505		
VIII.06	0	4	0	73	0	77	406	75	110	0	0	591	514		
IX.06	0	34	1	61	0	96	344	48	80	0	0	472	376		
X.06	0	50	8	109	0	167	318	69	79	0	0	466	299		
XI.06	0	40	0	92	0	132	350	100	101	0	0	551	419		
XII.06	0	28	0	160	0	188	411	138	65	0	0	614	426		
2006	0	945	12	979	0	1936	4468	455	1202	26	0	6151	4215		
I.10	0	312	0	19	0	331	214	2	286	22	0	524	193		
II.10	1	200	0	13	0	214	227	1	312	14	0	554	340		
III.10	0	206	0	1	0	207	279	15	357	77	0	728	521		
IV.10	0	71	0	1	0	72	243	17	356	91	0	707	635		
V.10	0	0	0	2	0	2	167	0	359	105	0	631	629		
VI.10	0	41	0	17	0	58	345	11	507	26	0	889	831		
VII.10	0	239	0	105	0	344	458	3	502	0	0	963	619		
VIII.10	0	213	0	114	0	327	480	11	481	0	0	972	645		
IX.10	0	163	0	112	0	275	353	1	308	0	109	771	496		
X.10	0	282	6	59	0	347	220	5	120	14	230	589	242		
XI.10	0	241	1	26	0	268	245	6	128	23	212	614	346		
XII.10	0	331	1	24	0	356	222	0	141	33	185	581	225		
2010	1	2299	8	493	0	2801	3453	72	3857	405	736	8523	5722		
I.11	0	287	0	63	0	350	230	5	153	3	190	581	231		
II.11	0	168	0	150	0	318	250	3	173	0	222	648	330		
III.11	0	278	0	154	0	432	240	0	212	0	195	647	215		
IV.11	0	96	3	192	0	291	227	0	134	0	201	562	271		
V.11	0	103	19	270	0	392	163	2	85	0	219	469	77		
VI.11	0	48	3	200	0	251	224	48	123	0	237	632	381		
VII.11	0	116	0	154	0	270	302	13	208	0	230	753	483		
VIII.11	0	157	0	173	0	330	305	4	232	0	186	727	397		
IX.11	0	104	16	145	0	265	233	3	41	0	184	461	196		
X.11	0	110	9	164	0	283	186	4	62	0	224	476	193		
XI.11	0	135	35	226	0	396	225	85	23	0	268	601	205		
XII.11	0	99	22	233	0	354	238	109	43	0	234	624	270		
2011	0	1701	107	2124	0	3932	2823	276	1489	3	2590	7181	3249		

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	5264
			2010	4801
			2011	5161
Hydraulic net generation	GWh	Σ	2006	6082
			2010	8313
			2011	4583
Other renewable net generation	GWh	Σ	2006	24
			2010	135
			2011	217
- of which wind	GWh	Σ	2006	17
			2010	117
			2011	182
- of which solar	GWh	Σ	2006	n.a.
			2010	1
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	2
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	11370
			2010 ¹	13251
			2011 ¹	9961
Sum of physical inside flows	GWh	Σ	2006	13249
			2010	12359
			2011	14004
Sum of physical outside flows	GWh	Σ	2006	7577
			2010	7696
			2011	6318
Total exchange balance	GWh	Σ	2006	5619
			2010	4479
			2011	7710
Consumption of pumps	GWh	Σ	2006	179
			2010	136
			2011	173
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	16810
			2010	17594
			2011	17498
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	1664
			15.12.10	1919
			19.01.11	1698
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	2669
			15.12.10	2814
			21.12.11	2570
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	2817
			15.12.10	3116
			21.12.11	2874
Time of highest load on the 3 rd Wednesday		CET	20.12.06	18:00
			15.12.10	19:00
			21.12.11	18:00

¹Including deliveries from industry

MM_YY	Outside flows (OF)						Inside flows (IF)						Sum_IF - Sum_OF	Balance
	HR→BA	HR→CS	HR→HU	HR→RS	HR→SI	Sum_OF	BA→HR	CS→HR	HU→HR	RS→HR	SI→HR	Sum_IF		
I.06	62	0	0	0	762	824	352	350	551	14	14	1267	443	
II.06	76	0	0	0	707	783	298	365	549	10	10	1222	439	
III.06	64	7	1	0	724	796	391	384	510	19	19	1304	508	
IV.06	64	9	0	0	799	872	395	319	454	17	17	1185	313	
V.06	51	8	0	0	602	661	352	206	330	103	103	991	330	
VI.06	65	7	0	0	484	556	320	220	371	181	181	1092	536	
VII.06	25	0	0	0	493	518	361	182	365	139	139	1047	529	
VIII.06	41	0	0	0	367	408	259	198	327	209	209	993	585	
IX.06	46	0	0	0	373	419	206	167	334	132	132	839	420	
X.06	58	0	0	0	512	570	242	214	486	94	94	1036	466	
XI.06	53	0	0	0	503	556	234	192	583	79	79	1088	532	
XII.06	69	0	0	0	645	614	237	208	701	39	39	1185	571	
2006	674	31	1	0	6871	7577	3647	3005	5561	1036	1036	13249	5672	
I.10	97	0	0	0	614	711	426	299	145	190	190	1060	349	
II.10	53	0	0	0	708	761	465	313	146	145	145	1069	308	
III.10	61	0	0	11	751	823	520	203	149	200	200	1072	249	
IV.10	67	1	1	2	656	726	448	138	174	179	179	939	213	
V.10	69	15	0	0	585	669	528	46	153	260	260	987	318	
VI.10	57	17	0	0	445	519	373	90	170	306	306	939	420	
VII.10	115	0	0	0	333	448	207	331	159	357	357	1054	606	
VIII.10	206	3	3	0	104	313	111	342	76	415	415	944	631	
IX.10	121	1	1	1	340	463	229	339	86	322	322	976	513	
X.10	99	0	0	0	492	591	522	133	48	1103	48	1103	512	
XI.10	86	4	0	0	693	783	522	308	160	136	136	1126	343	
XII.10	78	52	0	0	759	859	698	114	189	89	89	1090	201	
2010	1109	93	14	0	6480	7696	4927	3045	1740	2647	2647	12359	4663	
I.11	76	6	0	0	611	693	504	288	142	137	137	1071	378	
II.11	100	0	0	1	464	565	301	490	85	178	178	1054	489	
III.11	74	2	0	0	568	644	472	406	170	129	129	1177	533	
IV.11	79	0	0	0	444	525	375	320	180	242	242	1117	592	
V.11	64	0	0	0	366	430	417	344	189	329	329	1279	849	
VI.11	45	0	0	0	352	397	335	286	152	294	294	1067	670	
VII.11	90	0	0	1	313	404	272	467	81	329	329	1149	745	
VIII.11	171	0	0	5	220	396	175	606	38	329	329	1148	752	
IX.11	151	0	0	0	319	470	207	568	66	270	270	1111	641	
X.11	112	0	0	4	382	498	246	565	64	286	286	1161	663	
XI.11	285	0	0	25	259	569	143	845	8	327	327	1323	754	
XII.11	375	0	0	60	292	727	92	984	1	270	270	1347	620	
2011	1622	10	96	0	4590	6318	3539	6169	1176	3120	3120	14004	7686	

¹These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Hungary

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	12653
			2010	14830
			2011	14743
Fossil fuels net generation	GWh	Σ	2006	18745
			2010	16503
			2011	16755
Hydraulic net generation	GWh	Σ	2006	181
			2010	181
			2011	215
Other renewable net generation	GWh	Σ	2006	1169
			2010	2267
			2011	1786
- of which wind	GWh	Σ	2006	41
			2010	503
			2011	601
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	673
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	33421
			2010	33781
			2011	33499
Sum of physical inside flows	GWh	Σ	2006	15399
			2010	9897
			2011	14667
Sum of physical outside flows	GWh	Σ	2006	8185
			2010	4706
			2011	8018
Total exchange balance	GWh	Σ	2006	7208
			2010	5195
			2011	6643
Consumption of pumps	GWh	Σ	2006	0
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	40629
			2010	38976
			2011	40142
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	4767
			15.12.10	3969
			16.02.11	3939
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	5871
			15.12.10	5430
			16.02.11	5514
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	6271
			15.12.10	5937
			16.11.11	5705
Time of highest load on the 3 rd Wednesday	CET		18.01.06	16:00
			15.12.10	17:00
			16.11.11	18:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)										Inside flows (IF)								Sum_IF - Sum_OF	Balance
	HU→AT	HU→CS	HU→HR	HU→RO	HU→RS	HU→SK	HU→UA-W	Sum_OF	AT→HU	CS→HU	HR→HU	RO→HU	RS→HU	SK→HU	UA-W→HU	Sum_IF				
I.06	196	141	551	1		0	0	889	2	0	0	155		813	498	1468	579			
II.06	138	114	549	0		0	0	801	3	0	0	152		739	447	1342	541			
III.06	123	79	510	0		0	0	712	11	1	204			699	426	1343	631			
IV.06	106	35	454	0		2	2	597	43	0	145			615	380	1195	598			
V.06	112	68	330	4		2	2	516	25	10	164			604	413	1216	700			
VI.06	62	86	371	1		3	3	523	49	11	135			650	347	1192	669			
VII.06	12	69	365	0		4	4	450	37	13	137			586	181	954	504			
VIII.06	181	133	327	0		0	0	641	26	0	138			696	344	1204	563			
IX.06	58	127	334	2		0	0	521	51	4	94			554	470	1173	652			
X.06	39	139	486	11		0	0	675	47	0	59			759	475	1340	665			
XI.06	6	213	583	6		2	2	810	125	0	29			824	425	1403	593			
XII.06	29	316	701	4		0	0	1050	46	0	25			1053	445	1569	519			
2006	1062	1520	5561	29		13	8185	465	53	1	1437			8592	4851	15399	7214			
I.10	15	299	299	33	123	44	514	514	31	0	37	3		353	256	680	166			
II.10	7	313	313	31	86	42	479	479	35	0	27	2		373	215	652	173			
III.10	5	203	203	30	61	80	379	379	36	0	32	16		447	107	638	259			
IV.10	69	138	138	12	6	11	236	236	42	1	82	63		517	83	788	552			
V.10	60	46	14	0	0	48	168	168	83	15	90	158		339	89	774	606			
VI.10	16	90	90	3	5	0	161	161	115	17	123	88		393	140	876	715			
VII.10	9	331	331	2	1	0	345	345	201	0	143	70		602	214	1230	885			
VIII.10	14	342	342	9	15	11	391	391	168	3	119	18		539	96	943	552			
IX.10	27	339	339	5	9	0	403	403	140	1	144	35		447	118	885	482			
X.10	65	522	522	0	51	0	652	652	113	0	165	6		558	284	1126	474			
XI.10	149	308	308	4	32	3	529	529	37	4	114	26		280	241	702	173			
XII.10	205	114	114	3	3	53	449	449	13	52	176	59		86	217	603	154			
2010	641	3045	3045	146	392	426	4706	1014	93	93	1252	544		4934	2060	9897	5191			
I.11	158	288	288	1	22	4	516	516	28	6	137	33		365	265	834	318			
II.11	54	490	490	4	55	0	611	611	53	0	87	4		569	235	948	337			
III.11	75	406	406	5	16	0	513	513	41	2	108	48		516	241	956	443			
IV.11	59	320	320	5	12	0	396	396	48	2	148	54		573	213	1038	642			
V.11	113	344	344	1	10	0	470	470	68	0	159	50		576	356	1209	739			
VI.11	103	286	286	8	5	1	409	409	67	0	91	51		435	316	960	551			
VII.11	14	467	467	37	21	0	545	545	221	0	32	18		867	349	1487	942			
VIII.11	11	606	606	49	60	0	740	740	228	0	27	3		799	270	1327	587			
IX.11	7	568	568	13	43	0	640	640	321	0	50	4		652	356	1383	743			
X.11	41	565	565	42	60	0	708	708	178	0	20	3		853	396	1450	742			
XI.11	23	845	845	83	167	0	1118	1118	191	0	6	0		869	390	1456	338			
XII.11	39	984	984	92	225	0	1352	1352	186	0	2	0		1046	385	1619	267			
2011	697	6169	6169	340	696	5	8018	1630	10	10	867	268		8120	3772	14667	6649			

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Ireland

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006 2010 2011	n.a. 0 0
Fossil fuels net generation	GWh	Σ	2006 2010 2011	n.a. 23025 20417
Hydraulic net generation	GWh	Σ	2006 2010 2011	n.a. 726 679
Other renewable net generation	GWh	Σ	2006 2010 2011	n.a. 2820 4359
- of which wind	GWh	Σ	2006 2010 2011	n.a. 2820 4359
- of which solar	GWh	Σ	2006 2010 2011	n.a. 0 0
Non-identifiable net generation	GWh	Σ	2006 2010 2011	n.a. 248 177
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 2010 ¹ 2011 ¹	n.a. 26819 25632
Sum of physical inside flows	GWh	Σ	2006 2010 2011	n.a. 744 733
Sum of physical outside flows	GWh	Σ	2006 2010 2011	n.a. 293 243
Total exchange balance	GWh	Σ	2006 2010 2011	n.a. 469 490
Consumption of pumps	GWh	Σ	2006 2010 2011	n.a. 287 0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006 2010 2011	n.a. 27001 26122
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.10 16.03.11	n.a. 2906 2876
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.10 19.01.11	n.a. 3960 3882
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.10 19.01.11	n.a. 4664 4528
Time of highest load on the 3 rd Wednesday		CET	20.12.10 19.01.11	n.a. 19:00 19:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

MM_YY	Sum_OF		NI → IE		Sum_IF		Sum_IF - Sum_OF	
	IE → NI	Outside flows (OF)	NI → IE	Inside flows (IF)	Sum_IF	Balance	Sum_IF - Sum_OF	
I.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
II.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
III.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
IV.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
V.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
VI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
VII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
VIII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
IX.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
X.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
XI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
XII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
2006	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
I.10	5	5	135	135	135	130	130	
II.10	9	9	106 0	106	106	97	97	
III.10	14	14	72 0	72	72	58	58	
IV.10	19	19	50 0	50	50	31	31	
V.10	3	3	102 0	102	102	99	99	
VI.10	18	18	45 0	45	45	27	27	
VII.10	41	41	24 0	24	24	-17	-17	
VIII.10	17	17	54 0	54	54	37	37	
IX.10	73	73	15 0	15	15	-58	-58	
X.10	37	37	23 0	23	23	-14	-14	
XI.10	48	48	26 0	26	26	-22	-22	
XII.10	9	9	92 0	92	92	83	83	
2010	293	293	744	744	744	451	451	
I.11	17	17	71	71	71	54	54	
II.11	16	16	65	65	65	49	49	
III.11	11	11	92	92	92	81	81	
IV.11	3	3	130	130	130	127	127	
V.11	9	9	108	108	108	99	99	
VI.11	3	3	103	103	103	100	100	
VII.11	3	3	70	70	70	67	67	
VIII.11	18	18	54	54	54	36	36	
IX.11	20	20	24	24	24	4	4	
X.11	38	38	10	10	10	-28	-28	
XI.11	48	48	3	3	3	-45	-45	
XII.11	57	57	3	3	3	-54	-54	
2011	243	243	733	733	733	490	490	

¹ These physical energy flows were measured on the tie lines (≤110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006 2010 2011	n.a. 0 0
Fossil fuels net generation	GWh	Σ	2006 2010 2011	n.a. 5202 4833
Hydraulic net generation	GWh	Σ	2006 2010 2011	n.a. 0 0
Other renewable net generation	GWh	Σ	2006 2010 2011	n.a. 33 115
- of which wind	GWh	Σ	2006 2010 2011	n.a. 33 115
- of which solar	GWh	Σ	2006 2010 2011	n.a. 0 0
Non-identifiable net generation	GWh	Σ	2006 2010 2011	n.a. 0 0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 2010 2011	n.a. 5235 4948
Sum of physical inside flows	GWh	Σ	2006 2010 2011	n.a. 0 0
Sum of physical outside flows	GWh	Σ	2006 2010 2011	n.a. 0 0
Total exchange balance	GWh	Σ	2006 2010 2011	n.a. 0 0
Consumption of pumps	GWh	Σ	2006 2010 2011	n.a. 0 0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006 2010 2011	n.a. 5235 4948
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.		n.a. n.a. n.a.
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.		n.a. n.a. n.a.
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.08.11 16.02.11	n.a. 983 780
Time of highest load on the 3 rd Wednesday		CET	18.08.10 16.02.11	n.a. 14:00 20:00

Iceland

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	0
			2010	12
			2011	8
Hydraulic net generation	GWh	Σ	2006	7044
			2010	12484
			2011	12743
Other renewable net generation	GWh	Σ	2006	2434
			2010	4183
			2011	4402
- of which wind	GWh	Σ	2006	0
			2010	0
			2011	0
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	4
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	9482
			2010	16679
			2011	17153
Sum of physical inside flows	GWh	Σ	2006	0
			2010	0
			2011	0
Sum of physical outside flows	GWh	Σ	2006	0
			2010	0
			2011	0
Total exchange balance	GWh	Σ	2006	0
			2010	0
			2011	0
Consumption of pumps	GWh	Σ	2006	0
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	9482
			2010	16679
			2011	17153
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.10	n.a.
			21.12.11	1906
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.10	n.a.
			19.01.11	2086
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.10	n.a.
			21.12.11	2113
Time of highest load on the 3 rd Wednesday	CET		20.12.10	n.a.
			21.12.11	19:00

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	250685
			2010	220938
			2011	218457
Hydraulic net generation	GWh	Σ	2006	42450
			2010	53798
			2011	47202
Other renewable net generation	GWh	Σ	2006	8402
			2010	15970
			2011	25758
- of which wind	GWh	Σ	2006	3153
			2010	9047
			2011	9776
- of which solar	GWh	Σ	2006	n.a.
			2010	1875
			2011	10670
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	301537
			2010	290706
			2011	291417
Sum of physical inside flows	GWh	Σ	2006	46525
			2010	45899
			2011	47478
Sum of physical outside flows	GWh	Σ	2006	1618
			2010	1699
			2011	1715
Total exchange balance	GWh	Σ	2006	44907
			2010	44200
			2011	45763
Consumption of pumps	GWh	Σ	2006	8648
			2010	4451
			2011	2540
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	337796
			2010	330455
			2011	334640
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	19.07.06	33930
			15.12.10	35755
			20.07.11	32905
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	19.07.06	53165
			15.12.10	53959
			16.02.11	50005
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	53816
			15.12.10	54927
			21.12.11	51745
Time of highest load on the 3 rd Wednesday	CET		18.01.06	18:00
			15.12.10	17:00
			21.12.11	18:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)						Inside flows (IF)						Sum_IF - Sum_OF	Balance
	IT→AT	IT→CH	IT→FR	IT→GR	IT→SI	Sum_OF	AT→IT	CH→IT	FR→IT	GR→IT	SI→IT	Sum_IF		
I.06	2	149	122	4	1	278	75	1058	694	169	418	2414	2136	
II.06	1	129	103	0	1	234	89	1089	694	50	477	2399	2165	
III.06	0	98	100	0	2	200	112	1412	1042	222	566	3354	3154	
IV.06	0	0	36	3	0	39	113	2164	1614	173	701	4765	4726	
V.06	0	2	42	0	0	44	140	2062	1439	149	591	4381	4337	
VI.06	0	5	44	4	0	53	113	2179	1366	19	520	4197	4144	
VII.06	0	29	54	14	1	98	131	2118	1249	7	444	3949	3851	
VIII.06	0	2	32	75	1	110	137	1756	860	4	289	3046	2936	
IX.06	0	1	32	48	4	85	114	2230	1395	34	204	3977	3892	
X.06	0	5	36	69	1	111	133	2738	1619	50	415	4955	4844	
XI.06	0	1	47	100	1	149	124	2472	1546	40	392	4574	4425	
XII.06	0	1	78	138	0	217	134	2607	1373	28	372	4514	4297	
2006	3	422	726	455	12	1618	1415	23885	14891	945	5389	46525	44907	
I.10	0	52	115	2	21	190	106	1686	811	312	727	3642	3452	
II.10	0	27	75	1	5	108	102	1903	1057	200	775	4037	3929	
III.10	0	45	77	15	7	144	119	2185	1171	206	862	4543	4399	
IV.10	0	44	83	17	28	172	112	2126	1020	71	726	4055	3883	
V.10	0	60	55	0	4	119	125	2003	861	0	697	3686	3567	
VI.10	0	65	35	11	10	121	119	1953	1230	41	580	3923	3802	
VII.10	0	27	66	3	6	102	127	2503	1311	239	394	4574	4472	
VIII.10	2	9	96	11	12	130	93	1730	839	213	72	2947	2817	
IX.10	0	17	48	1	6	72	104	1784	947	163	526	3524	3452	
X.10	0	16	111	5	14	146	91	2043	867	282	610	3893	3747	
XI.10	0	27	87	6	5	125	118	1817	957	241	880	4013	3888	
XII.10	0	104	164	0	2	270	112	1443	512	331	664	3062	2792	
2010	2	493	1012	72	120	1699	1328	23176	11583	2299	7513	45899	44200	
I.11	0	40	138	5	0	183	97	2058	1119	287	523	4084	3901	
II.11	0	18	94	3	2	117	78	2328	1206	168	430	4210	4093	
III.11	0	92	88	0	3	183	102	2108	1261	278	483	4232	4049	
IV.11	0	46	67	0	4	117	82	2053	1339	96	487	4057	3940	
V.11	1	33	51	2	3	90	93	1800	1131	103	414	3541	3451	
VI.11	0	82	55	48	4	189	109	1897	1094	48	390	3538	3349	
VII.11	0	21	56	13	2	92	108	2343	1073	116	401	4041	3949	
VIII.11	0	36	86	4	17	143	1	1527	855	157	214	2754	2611	
IX.11	8	25	81	3	7	124	68	1690	925	104	315	3102	2978	
X.11	0	13	54	4	5	76	112	2686	1485	110	444	4837	4761	
XI.11	0	14	61	85	5	165	118	2563	1506	135	351	4673	4508	
XII.11	1	11	104	109	11	236	104	2559	1313	99	334	4409	4173	
2011	10	431	935	276	63	1715	1072	25612	14307	1701	4786	47478	45763	

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Lithuania

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006 2010 2011	n.a. 0 0
Fossil fuels net generation	GWh	Σ	2006 2010 2011	n.a. 3216 2752
Hydraulic net generation	GWh	Σ	2006 2010 2011	n.a. 1196 1049
Other renewable net generation	GWh	Σ	2006 2010 2011	n.a. 295 620
- of which wind	GWh	Σ	2006 2010 2011	n.a. 193 472
- of which solar	GWh	Σ	2006 2010 2011	n.a. 0 0
Non-identifiable net generation	GWh	Σ	2006 2010 2011	n.a. 0 0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 2010 ¹ 2011 ¹	n.a. 5328 4421
Sum of physical inside flows	GWh	Σ	2006 2010 2011	n.a. 8177 8086
Sum of physical outside flows	GWh	Σ	2006 2010 2011	n.a. 2185 1345
Total exchange balance	GWh	Σ	2006 2010 2011	n.a. 5992 6737
Consumption of pumps	GWh	Σ	2006 2010 2011	n.a. 1043 796
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006 2010 2011	n.a. 10276 10362
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10 16.02.11	n.a. 1090 1038
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10 21.12.11	n.a. 1728 1594
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10 21.12.11	n.a. 1787 1688
Time of highest load on the 3 rd Wednesday		CET	15.12.10 21.12.11	n.a. 17:00 17:00

¹Including deliveries from industry

MM_YY	Sum_OF			Inside flows (IF)				Sum_IF	Sum_IF - Sum_OF	Balance
	LT→LV	LT→BY	LT→RU	LV→LT	BY→LT	RU→LT				
I.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
II.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
III.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IV.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
V.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VIII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IX.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
X.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2006	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
I.10	58	23	246	181	431	52	664	337	337	337
II.10	62	36	175	139	325	81	545	272	272	272
III.10	23	31	124	217	308	57	582	404	404	404
IV.10	0	73	209	539	243	6	788	506	506	506
V.10	18	33	106	255	391	35	681	524	524	524
VI.10	8	16	46	230	295	69	594	524	524	524
VII.10	8	22	73	177	384	83	644	541	541	541
VIII.10	20	37	73	214	382	78	674	544	544	544
IX.10	4	29	129	226	453	58	737	575	575	575
X.10	29	35	104	202	509	36	747	579	579	579
XI.10	3	36	109	309	342	42	693	545	545	545
XII.10	1	31	155	366	425	37	828	641	641	641
2010	234	402	1549	3055	4488	634	8177	5992	5992	5992
I.11	3	42	40	309	256	100	665	580	580	580
II.11	3	47	36	282	223	91	596	510	510	510
III.11	10	58	15	243	213	145	601	518	518	518
IV.11	0	159	16	534	76	112	722	547	547	547
V.11	5	78	4	383	215	145	743	656	656	656
VI.11	45	95	0	223	145	310	678	538	538	538
VII.11	10	96	0	217	148	328	693	587	587	587
VIII.11	53	38	2	111	279	300	690	597	597	597
IX.11	73	37	15	69	321	240	630	505	505	505
X.11	102	24	20	100	457	167	724	578	578	578
XI.11	70	32	2	132	343	254	729	625	625	625
XII.11	69	41	5	131	240	244	615	500	500	500
2011	443	747	155	2734	2916	2436	8086	6741	6741	6741

¹ These physical energy flows were measured on the tie lines (≥ 110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Luxembourg

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	3195
			2010	2879
			2011	2318
Hydraulic net generation	GWh	Σ	2006	892
			2010	1458
			2011	1127
Other renewable net generation	GWh	Σ	2006	122
			2010	178
			2011	216
- of which wind	GWh	Σ	2006	60
			2010	55
			2011	64
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	8
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	4209
			2010	4515
			2011	3661
Sum of physical inside flows	GWh	Σ	2006	6831
			2010	7282
			2011	7099
Sum of physical outside flows	GWh	Σ	2006	3286
			2010	3208
			2011	2657
Total exchange balance	GWh	Σ	2006	3546
			2010	4074
			2011	4407
Consumption of pumps	GWh	Σ	2006	1139
			2010	1899
			2011	1510
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	6616
			2010	6690
			2011	6558
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.03.06	792
			19.01.10	779
			16.02.11	816
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.10.06	936
			19.01.10	1021
			21.12.11	1078
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	972
			15.12.10	1047
			21.12.11	1188
Time of highest load on the 3 rd Wednesday	CET		18.01.06	19:00
			15.12.10	19:00
			21.12.11	18:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)			Inside flows (IF)			Sum_IF Sum_OF	Balance
	LU→BE	LU→DE	Sum_OF	BE→LU	DE→LU	Sum_IF		
I.06	222	69	291	147	466	613	322	
II.06	130	61	191	127	416	543	352	
III.06	227	64	291	147	442	589	298	
IV.06	201	67	268	139	406	545	277	
V.06	223	76	299	162	426	588	289	
VI.06	239	72	311	161	416	577	266	
VII.06	226	67	293	179	440	619	326	
VIII.06	192	60	252	85	392	477	225	
IX.06	202	65	267	132	422	554	287	
X.06	186	72	258	146	447	593	335	
XI.06	208	64	272	143	434	577	305	
XII.06	226	67	293	129	427	556	263	
2006	2482	804	3286	1697	5134	6831	3545	
I.10	160	116	276	96	542	638	362	
II.10	153	104	257	88	486	574	317	
III.10	157	103	260	104	511	615	355	
IV.10	142	129	271	108	518	626	355	
V.10	102	155	257	133	562	695	438	
VI.10	160	111	271	73	507	580	309	
VII.10	154	82	236	100	482	582	346	
VIII.10	152	77	229	52	435	487	258	
IX.10	145	89	234	103	470	573	339	
X.10	173	109	282	108	521	629	347	
XI.10	154	138	292	99	546	645	353	
XII.10	195	148	343	59	579	638	295	
2010	1847	1361	3208	1123	6159	7282	4074	
I.11	169	140	309	112	567	679	370	
II.11	157	139	296	101	540	641	345	
III.11	166	197	363	100	566	666	303	
IV.11	155	123	278	99	515	614	336	
V.11	154	49	203	124	440	564	361	
VI.11	171	0	171	123	342	465	294	
VII.11	144	47	191	138	413	551	360	
VIII.11	14	79	93	111	452	563	470	
IX.11	0	79	79	157	471	628	549	
X.11	36	101	137	107	512	619	482	
XI.11	186	80	266	79	482	561	295	
XII.11	181	90	271	69	479	548	277	
2011	1533	1124	2657	1320	5779	7099	4442	

¹ These physical energy flows were measured on the tie lines (≥ 110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006 2010 2011	n.a. 0 0
Fossil fuels net generation	GWh	Σ	2006 2010 2011	n.a. 2847 2885
Hydraulic net generation	GWh	Σ	2006 2010 2011	n.a. 3496 2870
Other renewable net generation	GWh	Σ	2006 2010 2011	n.a. 101 183
- of which wind	GWh	Σ	2006 2010 2011	n.a. 47 72
- of which solar	GWh	Σ	2006 2010 2011	n.a. 0 0
Non-identifiable net generation	GWh	Σ	2006 2010 2011	n.a. 0 219
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 2010 2011	n.a. 6444 6157
Sum of physical inside flows	GWh	Σ	2006 2010 2011	n.a. 3973 4010
Sum of physical outside flows	GWh	Σ	2006 2010 2011	n.a. 3101 2760
Total exchange balance	GWh	Σ	2006 2010 2011	n.a. 872 1107
Consumption of pumps	GWh	Σ	2006 2010 2011	n.a. 0 0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006 2010 2011	n.a. 7316 7264
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10 16.02.11	n.a. 731 742
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10 16.02.11	n.a. 1169 1130
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10 16.02.11	n.a. 1257 1226
Time of highest load on the 3 rd Wednesday		CET	20.01.10 16.02.11	n.a. 17:00 9:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)			Inside flows (IF)			Sum_IF	Sum_IF - Sum_OF	Balance
	LV→EE	LV→LT	LV→RU	EE→LV	LT→LV	RU→LV			
I.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
II.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
III.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IV.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
V.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VIII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IX.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
X.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2006	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
I.10	8	181	3	116	58	39	213	21	21
II.10	1	139	0	126	62	48	236	96	96
III.10	13	217	4	126	23	45	194	-40	-40
IV.10	15	539	1	90	0	48	138	-417	-417
V.10	1	255	0	151	18	42	211	-45	-45
VI.10	0	230	0	232	8	91	331	101	101
VII.10	0	177	0	337	8	138	483	306	306
VIII.10	0	214	0	284	20	127	431	217	217
IX.10	0	226	0	314	4	128	446	220	220
X.10	0	202	0	323	29	69	421	219	219
XI.10	0	309	0	251	3	111	365	56	56
XII.10	0	366	0	345	1	158	504	138	138
2010	38	3055	8	2695	234	1044	3973	872	872
I.11	0	309	0	207	3	95	305	-4	-4
II.11	0	282	0	176	3	89	268	-14	-14
III.11	2	243	0	142	10	80	232	-13	-13
IV.11	22	534	0	74	0	68	142	-414	-414
V.11	0	383	0	179	5	96	280	-103	-103
VI.11	0	223	0	290	45	110	445	222	222
VII.11	0	217	0	347	10	132	489	272	272
VIII.11	0	111	0	244	53	78	375	264	264
IX.11	2	69	0	265	73	75	413	342	342
X.11	0	100	0	317	102	21	440	340	340
XI.11	0	132	0	239	70	42	351	219	219
XII.11	0	131	0	153	69	48	270	139	139
2011	26	2734	0	2633	443	934	4010	1250	1250

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2010 2011	0 0
Fossil fuels net generation	GWh	Σ	2010 2011	1267 1446
Hydraulic net generation	GWh	Σ	2010 2011	2738 1186
Other renewable net generation	GWh	Σ	2010 2011	0 0
- of which wind	GWh	Σ	2010 2011	0 0
- of which solar	GWh	Σ	2010 2011	0 0
Non-identifiable net generation	GWh	Σ	2010 2011	0 0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2010 2011	4005 2632
Sum of physical inside flows	GWh	Σ	2010 2011 ¹	2333 3416
Sum of physical outside flows	GWh	Σ	2010 2011 ¹	2383 900
Total exchange balance	GWh	Σ	2010 2011	39 1551
Consumption of pumps	GWh	Σ	2010 2011	0 0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2010 2011	4044 4183
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10 21.12.11	427 449
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	16.02.10 21.12.11	532 575
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.01.10 21.12.11	589 648
Time of highest load on the 3 rd Wednesday		CET	20.01.10 21.12.11	19:00 19:00

¹ Sum of physical inside and outside flows without ME - AL

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)			Inside flows (IF)			Sum_IF - Sum_OF	Balance
	ME→BA	ME→RS	ME→AL	BA→ME	RS→ME	AL→ME		
I.06								
II.06								
III.06								
IV.06								
V.06								
VI.06								
VII.06								
VIII.06								
IX.06								
X.06								
XI.06								
XII.06								
2006								
I.10	46	301	51	258	2	0	260	-138
II.10	44	166	24	181	12	0	193	-41
III.10	50	196	29	178	10	5	193	-82
IV.10	57	112	2	61	18	38	117	-54
V.10	55	130	61	74	18	6	98	-148
VI.10	89	75	1	77	10	37	124	-41
VII.10	33	34	35	155	92	0	247	145
VIII.10	10	19	82	210	93	0	303	192
IX.10	26	44	0	139	106	0	245	175
X.10	42	74	9	62	95	62	219	94
XI.10	78	104	2	70	46	48	164	-20
XII.10	98	195	9	132	9	29	170	-132
2010	628	1450	305	1597	511	225	2333	-50
I.11	61	151	n.a.	156	22	n.a.	0	0
II.11	43	79	n.a.	149	42	n.a.	0	0
III.11	42	49	n.a.	133	87	n.a.	0	0
IV.11	67	18	n.a.	66	153	n.a.	0	0
V.11	74	6	n.a.	43	244	n.a.	0	0
VI.11	46	17	n.a.	54	226	n.a.	0	0
VII.11	29	11	n.a.	122	199	n.a.	0	0
VIII.11	9	21	n.a.	206	133	n.a.	0	0
IX.11	10	19	n.a.	168	129	n.a.	0	0
X.11	18	36	n.a.	134	98	n.a.	0	0
XI.11	3	30	n.a.	277	131	n.a.	0	0
XII.11	5	56	n.a.	313	131	n.a.	0	0
2011	407	493	n.a.	1821	1595	n.a.	n.a.	n.a.

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	4940
			2010	4282
			2011	4858
Hydraulic net generation	GWh	Σ	2006	1624
			2010	2316
			2011	1469
Other renewable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
- of which wind	GWh	Σ	2006	0
			2010	0
			2011	0
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	6564
			2010	6598
			2011	6327
Sum of physical inside flows	GWh	Σ	2006	2998
			2010	5270
			2011	4169
Sum of physical outside flows	GWh	Σ	2006	1202
			2010	3857
			2011	1548
Total exchange balance	GWh	Σ	2006	1813
			2010	1730
			2011	2659
Consumption of pumps	GWh	Σ	2006	0
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	8377
			2010	8328
			2011	8986
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.02.06	1088
			15.12.10	1087
			19.01.11	1058
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	1415
			15.12.10	1357
			16.02.11	1254
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	1520
			15.12.10	1535
			21.12.11	1486
Time of highest load on the 3 rd Wednesday	CET		18.01.06	18:00
			15.12.10	18:00
			21.12.11	15:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)				Sum_OF	Inside flows (IF)					Sum_IF	Sum_IF - Sum_OF	Balance
	MK→BG	MK→CS	MK→GR	MK→RS		BG→MK	CS→MK	GR→MK	GR→RS				
I.06	0	0	56	0	56	78	203	1	0	282	226		
II.06	0	0	58	0	58	73	208	1	0	282	224		
III.06	0	0	117	0	117	68	210	0	0	278	161		
IV.06	0	0	127	0	127	65	171	0	0	236	109		
V.06	0	0	119	0	119	46	198	0	0	244	125		
VI.06	0	0	109	0	109	92	151	1	0	244	135		
VII.06	0	0	181	0	181	69	178	0	0	247	66		
VIII.06	0	0	110	0	110	78	166	0	0	244	134		
IX.06	0	0	80	0	80	72	175	1	0	248	168		
X.06	0	0	79	0	79	71	85	8	0	164	85		
XI.06	0	0	101	0	101	72	191	0	0	263	162		
XII.06	0	0	65	0	65	76	190	0	0	266	201		
2006	0	0	1202	0	1202	860	2126	12	0	2998	1796		
I.10	0	0	286	0	286	183	0	0	224	407	121		
II.10	0	0	312	0	312	202	0	0	188	390	78		
III.10	0	0	357	0	357	198	0	0	291	489	132		
IV.10	0	0	356	0	356	171	0	0	206	377	21		
V.10	0	0	359	0	359	139	0	0	191	330	-29		
VI.10	0	0	507	0	507	258	0	0	203	461	-46		
VII.10	0	0	502	0	502	387	0	0	163	550	48		
VIII.10	0	0	481	0	481	412	0	0	222	634	153		
IX.10	0	0	308	0	308	314	0	0	161	475	167		
X.10	0	0	120	0	120	216	6	6	139	361	241		
XI.10	0	0	128	0	128	245	1	1	135	381	253		
XII.10	0	0	141	0	141	228	1	1	186	415	274		
2010	0	0	3857	0	3857	2953	8	2309	8	5270	1413		
I.11	0	0	153	0	153	233	0	0	202	435	282		
II.11	0	0	173	0	173	253	0	0	133	386	213		
III.11	0	0	212	0	212	244	0	0	140	384	172		
IV.11	0	0	134	0	134	245	3	8	8	256	122		
V.11	0	0	85	25	110	219	19	9	9	247	137		
VI.11	0	0	123	2	125	224	3	73	3	300	175		
VII.11	0	0	208	0	208	281	0	157	0	438	230		
VIII.11	0	0	232	1	233	230	0	174	0	404	171		
IX.11	0	0	41	12	53	254	16	66	66	336	283		
X.11	0	0	62	1	63	190	9	63	63	262	199		
XI.11	0	0	23	13	36	267	35	60	60	362	326		
XII.11	0	0	43	5	48	278	22	59	59	359	311		
2011	0	0	1489	59	1548	2918	107	1144	107	4169	2621		

¹ These physical energy flows were measured on the tie lines (≤110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

GB Northern Ireland

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	n.a.
			2010	6581
			2011	6636
Hydraulic net generation	GWh	Σ	2006	0
			2010	8
			2011	7
Other renewable net generation	GWh	Σ	2006	n.a.
			2010	724
			2011	1063
- of which wind	GWh	Σ	2006	n.a.
			2010	666
			2011	1005
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	n.a.
			2010	12
			2011	18
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010	7325
			2011	7724
Sum of physical inside flows	GWh	Σ	2006	n.a.
			2010	2592
			2011	2012
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	744
			2011	733
Total exchange balance	GWh	Σ	2006	n.a.
			2010	1855
			2011	1285
Consumption of pumps	GWh	Σ	2006	n.a.
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	n.a.
			2010	9180
			2011	9009
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			19.01.11	938
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			19.01.11	903
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			19.01.11	1488
Time of highest load on the 3 rd Wednesday	CET		15.12.10	n.a.
			19.01.11	1681
				n.a.
				19:00
				19:00

Physical exchanges in interconnected operation ¹

MM_YY	Outside flows (OF)		Inside flows (IF)		Sum_IF - Sum_OF	Balance
	NI→GB	NI→IE	Sum_OF	Sum_IF		
I.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
II.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
III.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IV.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
V.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
VIII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
IX.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
X.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XI.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
XII.06	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2006	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
I.10	0	135	235	240	105	105
II.10	0	106	218	227	121	121
III.10	0	72	248	262	190	190
IV.10	0	50	190	209	159	159
V.10	0	102	223	226	124	124
VI.10	0	45	82	100	55	55
VII.10	0	24	155	196	172	172
VIII.10	0	54	220	237	183	183
IX.10	0	15	134	207	192	192
X.10	0	23	139	176	153	153
XI.10	0	26	165	213	187	187
XII.10	0	92	290	299	207	207
2010	0	744	2299	2592	1848	1848
I.11	0	71	300	317	246	246
II.11	0	65	235	251	186	186
III.11	0	92	262	273	181	181
IV.11	0	130	232	235	105	105
V.11	0	108	242	251	143	143
VI.11	0	103	235	238	135	135
VII.11	0	70	154	157	87	87
VIII.11	0	54	109	127	73	73
IX.11	0	24	0	20	-4	-4
X.11	0	10	0	38	28	28
XI.11	0	3	0	48	45	45
XII.11	0	3	0	57	54	54
2011	0	733	1769	2012	1279	1279

¹ These physical energy flows were measured on the tie lines (±110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Thermal nuclear net generation	GWh	Σ	2006	3269
			2010	3755
			2011	3919
Fossil fuels net generation	GWh	Σ	2006	84278
			2010	99539
			2011	93002
Hydraulic net generation	GWh	Σ	2006	100
			2010	0
			2011	0
Other renewable net generation	GWh	Σ	2006	7067
			2010	10391
			2011	12104
- of which wind	GWh	Σ	2006	2697
			2010	3995
			2011	5096
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	94714
			2010 ¹	113685
			2011 ¹	109025
Sum of physical inside flows	GWh	Σ	2006	27355
			2010	15589
			2011	20665
Sum of physical outside flows	GWh	Σ	2006	5886
			2010	12811
			2011	11787
Total exchange balance	GWh	Σ	2006	21465
			2010	2775
			2011	8812
Consumption of pumps	GWh	Σ	2006	0
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	116179
			2010	116460
			2011	117837
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	11582
			15.12.10	10605
			16.11.11	10183
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	17796
			15.12.10	17219
			21.12.11	16496
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	17855
			15.12.10	18187
			16.11.11	17346
Time of highest load on the 3 rd Wednesday	CET		20.12.06	10:00
			15.12.10	18:00
			16.11.11	18:00

¹Including deliveries from industry

MM_YY	Outside flows (OF)					Inside flows (IF)					Sum_IF - Sum_OF	Balance
	NL→BE	NL→DE	NL→GB	NL→NO	Sum_OF	BE→NL	DE→NL	GB→NL	NO→NL	Sum_IF		
I.06	888	0			888	64	2486			2550	1662	
II.06	1118	0			1118	29	2322			2351	1233	
III.06	1275	0			1275	27	2759			2786	1511	
IV.06	419	0			419	412	2113			2525	2106	
V.06	323	1			324	443	2031			2474	2150	
VI.06	190	8			198	771	1564			2335	2137	
VII.06	137	35			172	801	1178			1979	1807	
VIII.06	6	214			220	860	929			1789	1569	
IX.06	75	22			97	790	1115			1905	1808	
X.06	120	2			122	521	1478			1999	1877	
XI.06	303	0			303	222	1986			2208	1905	
XII.06	749	1			750	79	2375			2454	1704	
2006	5603	283			5886	5019	22336			27355	21469	
I.10	947	239		242	1428	111	643		115	869	-559	
II.10	670	247		0	917	258	410		0	668	-249	
III.10	623	555		0	1178	326	362		0	688	-490	
IV.10	456	114		58	628	264	881		2	1147	519	
V.10	586	209		274	1069	428	1036		114	1578	509	
VI.10	326	191		231	748	745	920		153	1818	1070	
VII.10	246	138		193	577	841	943		206	1990	1413	
VIII.10	183	291		240	714	1168	576		160	1904	1190	
IX.10	392	327		207	926	571	584		169	1324	398	
X.10	1067	481		200	1748	200	330		240	770	-978	
XI.10	828	210		298	1336	282	707		125	1114	-222	
XII.10	1068	70		404	1542	124	1550		45	1719	177	
2010	7392	3072		2347	12811	5318	8942		1329	15589	2778	
I.11	559	11	0	470	1040	292	1578	0	29	1899	859	
II.11	425	61	0	405	891	212	1022	0	19	1253	362	
III.11	484	86	0	444	1014	401	989	0	23	1413	399	
IV.11	235	228	299	182	944	586	730	28	75	1419	475	
V.11	118	542	81	0	741	878	279	75	0	1232	491	
VI.11	85	250	310	30	675	1011	795	67	321	2194	1519	
VII.11	144	309	402	0	855	1109	688	26	490	2313	1458	
VIII.11	181	424	397	0	1002	1110	555	51	507	2223	1221	
IX.11	243	396	237	0	876	804	588	107	430	1929	1053	
X.11	673	321	197	0	1191	240	764	96	500	1600	409	
XI.11	639	427	121	0	1187	187	594	219	492	1492	305	
XII.11	735	166	450	20	1371	180	1007	37	474	1698	327	
2011	4521	3221	2494	1551	11787	7010	9589	706	3360	20665	8878	

¹These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Norway

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	1123
			2010	5267
			2011	4776
Hydraulic net generation	GWh	Σ	2006	119919
			2010	117286
			2011	121383
Other renewable net generation	GWh	Σ	2006	673
			2010	892
			2011	1257
- of which wind	GWh	Σ	2006	673
			2010	808
			2011	1257
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	121715
			2010 ¹	123445
			2011 ¹	127416
Sum of physical inside flows	GWh	Σ	2006	n.a.
			2010	14441
			2011	11022
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	6593
			2011	13600
Total exchange balance	GWh	Σ	2006	857
			2010	7537
			2011	-2986
Consumption of pumps	GWh	Σ	2006	540
			2010	1190
			2011	2410
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	122032
			2010	129792
			2011	122020
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	17165
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	21350
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	21852
Time of highest load on the 3 rd Wednesday	CET		15.12.10	n.a.
			16.02.11	10:00
				9:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

MM_YY	NO→DK_W	NO→DK	NO→FI	NO→NL	NO→SE	NO→RU	Outside flows (OF)						Inside flows (IF)						Sum_IF - Sum_OF	Balance		
							Sum_OF	DK_W→NO	DK→NO	FI→NO	NL→NO	SE→NO	RU→NO	Sum_IF	DK_W→NO	DK→NO	FI→NO	NL→NO			SE→NO	RU→NO
I.06	269		n.a.		n.a.	n.a.	n.a.													n.a.		
II.06	145	130	n.a.	3	n.a.	n.a.	n.a.													n.a.		
III.06	78	49	n.a.	0	n.a.	n.a.	n.a.													n.a.		
IV.06	30	2	n.a.	0	n.a.	n.a.	n.a.													n.a.		
V.06	53	34	n.a.	0	n.a.	n.a.	n.a.													n.a.		
VI.06	87	124	n.a.	9	n.a.	n.a.	n.a.													n.a.		
VII.06	143	117	n.a.	4	n.a.	n.a.	n.a.													n.a.		
VIII.06	29	277	n.a.	38	n.a.	n.a.	n.a.													n.a.		
IX.06	32	204	n.a.	24	n.a.	n.a.	n.a.													n.a.		
X.06	57	214	n.a.	21	n.a.	n.a.	n.a.													n.a.		
XI.06	78	184	n.a.	11	n.a.	n.a.	n.a.													n.a.		
XII.06	126	34	n.a.	3	n.a.	n.a.	n.a.													n.a.		
2006	1127	1458	150	115	7667	0	8944	84	84	384	14	242	7178	215	9801	857	857	857	857	857	857	857
I.10					508	0	756													n.a.		
II.10					323	0	372			479	21	0	400	20	954	198	198	198	198	n.a.		
III.10					120	0	122			629	40	0	721	17	1407	545	545	545	545	n.a.		
IV.10					69	0	105			420	36	58	1075	15	1604	1285	1285	1285	1285	n.a.		
V.10					30	0	277			337	13	274	1388	21	2033	1499	1499	1499	1499	n.a.		
VI.10					51	0	325			243	5	231	1269	17	1765	1756	1756	1756	1756	n.a.		
VII.10					396	0	917			163	5	193	449	20	830	1440	1440	1440	1440	n.a.		
VIII.10					177	0	565			155	0	240	504	11	910	345	345	345	345	n.a.		
IX.10					378	0	782			159	0	207	350	17	733	-49	-49	-49	-49	n.a.		
X.10					871	0	1306			241	1	200	294	16	752	-554	-554	-554	-554	n.a.		
XI.10					368	0	584			352	17	298	510	18	1195	611	611	611	611	n.a.		
XII.10					400	0	482			493	10	404	414	20	1341	859	859	859	859	n.a.		
2010			115	1329	3691	0	6593	84	84	4055	162	2347	7668	209	14441	7848	7848	7848	7848	7848	7848	7848
I.11					23	0	59			599	15	470	1277	17	2378	2319	2319	2319	2319	n.a.		
II.11					56	0	84			535	22	405	979	19	1960	1876	1876	1876	1876	n.a.		
III.11					32	0	65			586	35	444	1157	11	2233	2168	2168	2168	2168	n.a.		
IV.11					114	0	346			304	19	182	1042	17	1564	1218	1218	1218	1218	n.a.		
V.11					197	0	412			190	3	0	585	20	798	386	386	386	386	n.a.		
VI.11					739	0	1266			19	0	30	227	29	305	-961	-961	-961	-961	n.a.		
VII.11					1286	0	2340			0	0	0	70	18	88	-2252	-2252	-2252	-2252	n.a.		
VIII.11					1040	0	2185			6	5	0	107	17	135	-2050	-2050	-2050	-2050	n.a.		
IX.11					720	0	1717			0	5	0	337	14	356	-1361	-1361	-1361	-1361	n.a.		
X.11					789	0	1825			9	0	0	190	11	210	-1615	-1615	-1615	-1615	n.a.		
XI.11					1034	0	2051			12	0	0	120	19	151	-1900	-1900	-1900	-1900	n.a.		
XII.11					479	0	1250			154	23	20	627	20	844	-406	-406	-406	-406	n.a.		
2011			131	3360	6509	0	13600	84	84	2414	127	1551	6718	212	11022	-2578	-2578	-2578	-2578	-2578	-2578	-2578

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Poland

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	145736
			2010	140270
			2011 ²	140894
Hydraulic net generation	GWh	Σ	2006	2794
			2010	3405
			2011	2647
Other renewable net generation	GWh	Σ	2006	326
			2010	2108
			2011 ²	8069
- of which wind	GWh	Σ	2006	234
			2010	1843
			2011	2745
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	148856
			2010 ¹	145783
			2011 ¹	151610
Sum of physical inside flows	GWh	Σ	2006	4771
			2010	6314
			2011	6779
Sum of physical outside flows	GWh	Σ	2006	15777
			2010	7659
			2011	12023
Total exchange balance	GWh	Σ	2006	-11001
			2010	-1355
			2011	-5244
Consumption of pumps	GWh	Σ	2006	1357
			2010	837
			2011	464
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	136498
			2010	143591
			2011	145720
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	15648
			15.12.10	15742
			16.02.11	15406
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	20419
			15.12.10	21538
			21.12.11	21031
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	22017
			15.12.10	23081
			21.12.11	22697
Time of highest load on the 3 rd Wednesday	CET		20.12.06	17:00
			15.12.10	17:00
			21.12.11	18:00

¹Including deliveries from industry

² Since 2011 other renewable has included energy from biomass co-firing in conventional thermal units, previously classified as fossil fuel generation category.

MM_YY	Sum_OF							Sum_IF							Sum_IF - Sum_OF
	PL→CZ	PL→DE	PL→SE	PL→SK	PL→BY	PL→UA		CZ→PL	DE→PL	SE→PL	SK→PL	BY→PL	UA→PL	Sum_IF	
	Outside flows (OF)							Inside flows (IF)							Balance
I.06	1174	9	255	361	0	0	1799	0	303	0	0	98	81	482	-1317
II.06	1043	7	199	385	0	0	1634	0	279	0	0	90	78	447	-1187
III.06	1025	13	229	307	0	0	1574	1	231	0	0	102	74	408	-1166
IV.06	831	94	242	281	0	0	1448	1	56	0	0	83	48	188	-1260
V.06	781	44	45	250	0	0	1120	8	120	102	0	86	78	394	-726
VI.06	584	212	51	199	0	0	1046	8	11	96	0	83	69	267	-779
VII.06	558	102	19	159	0	0	838	10	153	51	4	88	74	380	-458
VIII.06	538	133	68	19	0	0	758	12	78	2	0	45	72	209	-549
IX.06	695	77	121	310	0	0	1203	1	88	0	0	73	81	243	-960
X.06	866	30	66	402	0	0	1364	0	287	0	0	102	88	477	-887
XI.06	1043	1	112	315	0	0	1471	1	411	0	0	96	62	570	-901
XII.06	1043	0	93	386	0	0	1522	0	531	13	0	97	65	706	-816
2006	10181	722	1500	3374	0	0	15777	42	2548	264	4	1043	870	4771	-11006
I.10	521	3	74	147	0	0	745	4	548	26	4	0	0	582	-163
II.10	643	0	89	187	0	0	919	2	584	0	0	0	0	586	-333
III.10	511	0	74	220	0	0	805	4	622	21	1	0	0	648	-157
IV.10	451	0	12	168	0	0	631	3	584	93	2	0	0	682	51
V.10	360	10	5	99	0	0	474	18	360	232	10	0	0	620	146
VI.10	260	42	0	63	0	0	365	25	161	66	20	0	0	272	-93
VII.10	442	5	7	179	0	0	633	8	525	160	0	0	0	693	60
VIII.10	322	25	2	87	0	0	436	14	405	78	6	0	0	503	67
IX.10	416	16	44	1	0	0	477	28	254	5	8	0	0	295	-182
X.10	618	1	49	176	0	0	844	11	513	36	0	0	0	560	-284
XI.10	550	16	59	126	0	0	751	5	466	39	1	0	0	511	-240
XII.10	406	49	79	45	0	0	579	14	312	5	31	0	0	362	-217
2010	5500	167	494	1498	0	0	7659	136	5334	761	83	0	0	6314	-1345
I.11	440	71	59	76	0	0	646	10	207	1	13	0	0	231	-415
II.11	582	14	42	202	0	0	840	6	399	15	0	0	0	420	-420
III.11	698	72	56	254	0	0	1080	5	291	8	1	0	0	305	-775
IV.11	580	27	36	170	0	0	813	6	319	87	3	0	0	415	-398
V.11	514	121	52	166	0	0	853	6	160	113	3	0	0	282	-571
VI.11	473	77	9	125	0	0	684	6	219	166	6	0	0	397	-287
VII.11	866	4	2	149	0	0	1021	1	630	252	0	0	0	883	-138
VIII.11	821	16	2	188	0	0	1027	3	413	210	0	0	0	626	-401
IX.11	577	22	2	324	0	0	925	2	319	165	0	0	0	486	-439
X.11	772	6	0	395	0	0	1173	0	636	48	0	0	25	709	-464
XI.11	921	3	7	486	0	0	1417	0	712	163	0	0	34	909	-508
XII.11	1009	0	11	519	0	0	1539	0	833	286	0	0	0	1119	-420
2011	8253	433	278	3054	0	0	12018	45	5138	1514	26	0	59	6782	-5236

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Portugal

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Fossil fuels net generation	GWh	Σ	2006	28423
			2010	22315
			2011	24732
Hydraulic net generation	GWh	Σ	2006	11198
			2010	16247
			2011	11825
Other renewable net generation	GWh	Σ	2006	4818
			2010	11530
			2011	11866
- of which wind	GWh	Σ	2006	2892
			2010	9023
			2011	9002
- of which solar	GWh	Σ	2006	n.a.
			2010	207
			2011	262
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	45968
			2010 ¹	50092
			2011 ¹	48423
Sum of physical inside flows	GWh	Σ	2006	8481
			2010	5667
			2011	6685
Sum of physical outside flows	GWh	Σ	2006	3183
			2010	3190
			2011	3928
Total exchange balance	GWh	Σ	2006	5441
			2010	2624
			2011	2813
Consumption of pumps	GWh	Σ	2006	704
			2010	510
			2011	737
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	50705
			2010	52206
			2011	50499
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	5511
			15.12.10	5350
			16.02.11	5430
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	7857
			17.02.10	7849
			16.02.11	7685
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	9048
			17.02.10	8800
			16.02.11	8575
Time of highest load on the 3 rd Wednesday	CET		20.12.06	20:00
			17.02.10	21:00
			16.02.11	21:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

MM_YY	Sum_OF		Sum_IF		Sum_IF - Sum_OF
	PT→ES	ES→PT	Inside flows (IF)	Balance	
I.06	223	223	914	914	691
II.06	251	251	806	806	555
III.06	330	330	824	824	494
IV.06	271	271	541	541	270
V.06	196	196	727	727	531
VI.06	151	151	812	812	661
VII.06	254	254	775	775	521
VIII.06	299	299	643	643	344
IX.06	110	110	808	808	698
X.06	258	258	783	783	525
XI.06	357	357	502	502	145
XII.06	483	483	346	346	-137
2006	3183	3183	8481	8481	5298
I.10	617	617	336	336	-281
II.10	350	350	416	416	66
III.10	358	358	385	385	27
IV.10	287	287	323	323	36
V.10	291	291	345	345	54
VI.10	122	122	534	534	412
VII.10	100	100	671	671	571
VIII.10	80	80	691	691	611
IX.10	87	87	603	603	516
X.10	70	70	689	689	619
XI.10	232	232	456	456	224
XII.10	596	596	218	218	-378
2010	3190	3190	5667	5667	2477
I.11	465	465	499	499	34
II.11	461	461	289	289	-172
III.11	488	488	498	498	10
IV.11	197	197	697	697	500
V.11	436	436	386	386	-50
VI.11	224	224	542	542	318
VII.11	240	240	674	674	434
VIII.11	301	301	580	580	279
IX.11	231	231	677	677	446
X.11	255	255	597	597	342
XI.11	338	338	526	526	188
XII.11	292	292	720	720	428
2011	3928	3928	6685	6685	2757

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Romania

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	5204
			2010	10686
			2011	10796
Fossil fuels net generation	GWh	Σ	2006	34236
			2010	25284
			2011	30099
Hydraulic net generation	GWh	Σ	2006	17982
			2010	20174
			2011	14670
Other renewable net generation	GWh	Σ	2006	0
			2010	402
			2011	1403
- of which wind	GWh	Σ	2006	0
			2010	290
			2011	1218
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	57422
			2010	56546
			2011	56968
Sum of physical inside flows	GWh	Σ	2006	1635
			2010	1791
			2011	2946
Sum of physical outside flows	GWh	Σ	2006	5884
			2010	4707
			2011	4846
Total exchange balance	GWh	Σ	2006	-4252
			2010	-2919
			2011	-1899
Consumption of pumps	GWh	Σ	2006	154
			2010	265
			2011	153
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	53016
			2010	53362
			2011	54916
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	6226
			15.12.10	5856
			16.02.11	6043
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	7772
			15.12.10	7662
			16.02.11	7889
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	7974
			15.12.10	8313
			16.02.11	8447
Time of highest load on the 3 rd Wednesday	CET		20.12.06	18:00
			15.12.10	18:00
			16.02.11	19:00

MM_YY	Outside flows (OF)								Inside flows (IF)							Sum_IF - Sum_OF
	RO→BG	RO→CS	RO→HU	RO→RS	RO→UA-W	RO→MD	Sum_OF	BG→RO	CS→RO	HU→RO	RS→RO	UA-W→RO	MD→RO	Sum_IF		
I.06	74	382	155	0	0	0	611	32	0	1	72	0	105			
II.06	55	381	152	1	0	0	589	40	0	0	49	0	89			
III.06	65	315	204	1	0	0	585	70	0	0	49	0	119			
IV.06	13	233	145	9	0	0	400	66	0	0	28	0	94			
V.06	41	179	164	0	0	0	384	55	0	4	47	0	106			
VI.06	70	181	135	2	0	0	388	82	0	1	62	0	145			
VII.06	85	197	137	0	0	0	419	84	1	0	106	0	191			
VIII.06	141	162	138	11	0	0	452	102	2	0	43	0	147			
IX.06	74	251	94	22	0	0	441	151	0	2	40	0	193			
X.06	85	255	59	1	0	0	400	26	0	11	84	0	121			
XI.06	248	311	29	0	0	0	588	2	0	6	146	0	154			
XII.06	187	415	25	0	0	0	627	0	0	4	167	0	171			
2006	1138	3262	1437	47	0	0	5884	710	3	29	893	0	1635			
I.10	175	37	89	1	0	0	302	12	33	5	122	35	207			
II.10	85	27	85	0	0	0	197	27	31	3	115	38	214			
III.10	80	32	51	1	0	0	164	22	30	7	92	33	184			
IV.10	73	82	16	5	0	0	176	25	12	26	62	26	151			
V.10	62	90	23	23	0	0	198	118	14	25	27	23	207			
VI.10	2	123	179	53	0	0	357	167	3	0	7	23	200			
VII.10	23	143	279	60	0	0	505	93	2	0	6	29	130			
VIII.10	115	119	203	41	0	0	478	21	9	8	16	23	77			
IX.10	134	144	189	55	0	0	522	31	5	0	6	23	65			
X.10	239	165	282	7	0	0	693	72	0	0	45	32	149			
XI.10	76	114	269	38	0	0	497	36	4	0	26	38	104			
XII.10	42	176	303	97	0	0	618	53	3	0	2	45	103			
2010	1106	1252	1968	381	0	0	4707	677	146	74	526	368	1791			
I.11	133	137	240	49	0	0	559	16	1	0	13	43	73			
II.11	158	87	218	6	0	0	469	14	4	0	50	35	103			
III.11	191	108	194	14	0	0	507	10	5	0	49	40	104			
IV.11	83	148	200	34	0	0	465	23	5	1	17	34	80			
V.11	78	159	171	12	0	0	420	155	1	0	55	29	240			
VI.11	10	91	179	9	0	0	289	108	8	0	38	30	184			
VII.11	50	32	192	0	0	0	274	70	37	1	125	30	263			
VIII.11	138	27	121	0	0	0	286	16	49	12	172	49	298			
IX.11	99	50	190	0	0	0	339	44	13	0	153	48	258			
X.11	171	20	159	0	0	0	350	75	42	1	215	48	381			
XI.11	181	6	283	0	0	0	470	22	83	0	297	67	469			
XII.11	153	2	263	0	0	0	418	15	92	0	310	76	493			
2011	1445	867	2410	124	0	0	4846	568	340	15	1494	529	2946			
														-1900		

¹These physical energy flows were measured on the tie lines (≤110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values /Operation".

Thermal nuclear net generation	GWh	Σ	2010 2011	0 0
Fossil fuels net generation	GWh	Σ	2010 2011	28508 32104
Hydraulic net generation	GWh	Σ	2010 2011	12453 9162
Other renewable net generation	GWh	Σ	2010 2011	0 0
- of which wind	GWh	Σ	2010 2011	0 0
- of which solar	GWh	Σ	2010 2011	0 0
Non-identifiable net generation	GWh	Σ	2010 2011	0 0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2010 2011	40961 41266
Sum of physical inside flows	GWh	Σ	2010 2011	7027 6407
Sum of physical outside flows	GWh	Σ	2010 2011	6704 5076
Total exchange balance	GWh	Σ	2010 2011	-321 -227
Consumption of pumps	GWh	Σ	2010 2011	1115 865
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2010 2011	39525 40174
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10 21.12.11	5161 4881
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10 16.02.11	6491 6234
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10 16.02.11	7034 6803
Time of highest load on the 3 rd Wednesday		CET	15.12.10 16.02.11	18:00 19:00

Physical exchanges in interconnected operation ¹

Serbia GWh

MM_YY	Outside flows (OF)										Inside flows (IF)										Sum_IF - Sum_OF
	RS ² →BA	RS ² →BG	RS ² →HR	RS ² →HU	RS→ME	RS ² →MK	RS ² →RO	RS ² →AL	Sum_OF	BA→RS ²	BG→RS ²	HR→RS ²	HU→RS ²	ME→RS	MK→RS ²	RO→RS ²	AL→RS ²	Sum_IF			
I.06	106	0	350	0	0	203	0	48	707	159	338	0	141	0	0	382	58	1078			
II.06	127	0	365	1	0	208	0	11	712	101	332	0	114	0	0	381	43	971			
III.06	80	0	384	2	0	210	0	2	678	7	302	7	79	0	0	315	97	807			
IV.06	87	0	319	12	0	171	0	3	592	100	231	9	35	0	0	233	100	708			
V.06	208	0	206	10	0	198	0	5	627	105	225	8	68	0	0	179	94	679			
VI.06	264	0	220	11	0	151	0	7	653	60	183	7	86	0	0	181	58	575			
VII.06	230	0	182	13	0	178	1	38	642	94	158	0	69	0	0	197	10	528			
VIII.06	220	0	198	0	0	166	2	30	616	170	280	0	133	0	0	162	29	774			
IX.06	200	0	167	4	0	175	0	27	573	163	100	0	127	0	0	251	28	669			
X.06	252	0	214	0	0	85	0	21	572	191	152	0	139	0	0	255	32	769			
XI.06	252	0	192	0	0	191	0	19	654	184	223	0	213	0	0	311	43	974			
XII.06	315	0	208	0	0	190	0	50	763	142	313	0	316	0	0	415	21	1207			
2006	2341	0	3005	53	2126	3	261	7789	1476	2837	31	1520	0	3262	613	9739	1950	9739			
I.10	29	5	145	3	2	224	5	0	413	71	87	0	123	0	0	89	135	806			
II.10	54	0	146	2	12	188	3	0	405	30	124	0	86	0	0	85	94	585			
III.10	32	3	149	16	10	291	7	0	508	38	71	11	61	0	0	51	145	573			
IV.10	64	17	174	63	18	206	26	0	568	20	37	2	6	0	0	16	145	338			
V.10	22	33	153	158	18	191	25	0	600	54	24	0	0	0	0	23	142	373			
VI.10	114	0	170	88	10	203	0	4	589	7	148	0	5	0	0	179	37	451			
VII.10	247	0	159	70	92	163	0	35	766	7	226	0	1	0	0	279	1	548			
VIII.10	209	0	76	18	93	222	8	41	667	8	233	0	15	0	0	203	1	479			
IX.10	211	0	86	35	106	161	0	62	661	12	174	1	9	0	0	189	0	429			
X.10	197	0	133	6	95	139	0	7	577	14	193	0	51	0	0	282	86	700			
XI.10	95	0	160	26	46	135	0	0	462	32	226	0	32	0	0	269	104	767			
XII.10	45	0	189	59	9	186	0	0	488	69	251	0	3	0	0	303	157	978			
2010	1319	58	1740	544	511	2309	74	149	6704	362	1794	14	392	0	1968	1047	7027	323			
I.11	100	0	142	33	22	202	0	0	499	28	189	0	22	0	0	240	146	776			
II.11	142	0	85	4	42	133	0	9	415	19	222	1	55	0	0	218	20	614			
III.11	177	0	170	48	87	140	0	14	636	7	192	0	16	0	0	194	12	470			
IV.11	243	0	180	54	153	8	1	38	677	7	261	0	12	0	0	200	1	499			
V.11	207	0	189	50	244	9	0	38	737	8	244	0	10	0	0	171	2	466			
VI.11	193	0	152	51	226	73	0	34	729	11	219	0	5	0	0	179	2	435			
VII.11	167	0	81	18	199	157	1	39	662	15	191	1	21	0	0	192	1	432			
VIII.11	174	0	38	3	133	174	12	27	561	31	184	5	60	0	0	121	3	426			
IX.11	253	0	66	4	129	66	0	28	646	21	225	0	43	0	0	190	4	514			
X.11	139	0	64	3	98	63	1	12	380	29	175	4	60	0	0	159	15	479			
XI.11	182	0	8	0	131	60	0	42	423	49	243	25	167	0	0	283	0	810			
XII.11	181	0	1	0	131	59	0	34	406	91	276	60	225	0	0	263	3	979			
2011	2158	0	1176	268	1595	1144	15	315	6671	316	2621	96	696	493	59	2410	209	6900			

¹ These physical energy flows were measured on the tie lines (±110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation". ² RS data year 2006 are inside and outside flows of CS.

Sweden

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	64983
			2010	55626
			2011	58023
Fossil fuels net generation	GWh	Σ	2006	13168
			2010	7803
			2011	5359
Hydraulic net generation	GWh	Σ	2006	61176
			2010	66215
			2011	65783
Other renewable net generation	GWh	Σ	2006	987
			2010	15386
			2011	17256
- of which wind	GWh	Σ	2006	987
			2010	3479
			2011	6070
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	140314
			2010 ¹	145030
			2011 ¹	146421
Sum of physical inside flows	GWh	Σ	2006	n.a.
			2010	16988
			2011	14229
Sum of physical outside flows	GWh	Σ	2006	n.a.
			2010	14728
			2011	21356
Total exchange balance	GWh	Σ	2006	6052
			2010	2078
			2011	-7199
Consumption of pumps	GWh	Σ	2006	0
			2010	18
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	146366
			2010	147090
			2011	139222
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	19868
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	25243
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	15.12.10	n.a.
			16.02.11	25807
Time of highest load on the 3 rd Wednesday	CET		15.12.10	n.a.
			16.02.11	18:00
				19:00

¹Including deliveries from industry

MM_YY	Outside flows (OF)										Inside flows (IF)							Sum_IF - Sum_OF	Balance
	SE→DE	SE→DK_W	SE→DK	SE→FI	SE→NO	SE→PL	Sum_OF	DE→SE	DK_W→SE	DK→SE	FI→SE	NO→SE	PL→SE	Sum_IF					
I.06	233	72		n.a.	n.a.	0	n.a.	23	71		n.a.	n.a.	255	n.a.					
II.06	171	81	3	n.a.	n.a.	0	n.a.	25	67	680	n.a.	n.a.	199	n.a.					
III.06	131	17	2	n.a.	n.a.	0	n.a.	147	158	790	n.a.	n.a.	229	n.a.					
IV.06	74	37	7	n.a.	n.a.	0	n.a.	258	105	796	n.a.	n.a.	242	n.a.					
V.06	112	83	126	n.a.	n.a.	102	n.a.	147	107	290	n.a.	n.a.	45	n.a.					
VI.06	76	20	535	n.a.	n.a.	96	n.a.	241	164	44	n.a.	n.a.	51	n.a.					
VII.06	187	90	697	n.a.	n.a.	51	n.a.	136	87	38	n.a.	n.a.	19	n.a.					
VIII.06	11	7	647	n.a.	n.a.	2	n.a.	339	301	86	n.a.	n.a.	68	n.a.					
IX.06	20	9	357	n.a.	n.a.	0	n.a.	216	212	132	n.a.	n.a.	121	n.a.					
X.06	51	68	62	n.a.	n.a.	0	n.a.	186	173	467	n.a.	n.a.	66	n.a.					
XI.06	146	30	98	n.a.	n.a.	0	n.a.	156	193	254	n.a.	n.a.	112	n.a.					
XII.06	178	75	117	n.a.	n.a.	13	n.a.	70	105	835	n.a.	n.a.	93	n.a.					
2006	1491	589	2656	3676	7178	264	13198	1944	1743	4978	3767	7667	1500	3423					
I.10	1		3	100	294	26	424	329			329	508	74	n.a.					
II.10	0		2	157	400	0	559	374			557	323	89	n.a.					
III.10	1		7	1	721	21	751	293			946	120	74	n.a.					
IV.10	32		126	11	1075	93	1337	85			881	69	12	n.a.					
V.10	230		535	191	1388	232	2576	31			396	30	5	n.a.					
VI.10	220		697	189	1269	66	2441	61			296	51	0	n.a.					
VII.10	199		647	698	449	160	2153	139			36	396	7	n.a.					
VIII.10	102		357	570	504	78	1611	127			43	177	2	n.a.					
IX.10	41		62	235	350	5	693	254			277	378	44	n.a.					
X.10	97		98	174	294	36	699	224			461	871	49	n.a.					
XI.10	79		117	234	510	39	979	206			359	368	59	n.a.					
XII.10	5		5	76	414	5	505	232			735	400	79	n.a.					
2010	1007		2656	2636	7668	761	14728	2355			5470	3691	494	-2718					
I.11	18		31	89	1277	1	1416	191			722	23	59	318					
II.11	14		19	222	979	15	1249	152			373	56	42	149					
III.11	29		49	5	1157	8	1248	126			865	32	56	386					
IV.11	22		388	22	1042	87	1561	43			617	114	36	-494					
V.11	23		337	63	585	113	1121	13			427	197	52	-317					
VI.11	256		774	263	227	166	1686	42			231	739	9	-632					
VII.11	303		821	1080	70	252	2526	11			13	1286	2	-1168					
VIII.11	293		693	1044	107	210	2347	10			11	1040	2	-1257					
IX.11	227		783	972	337	165	2484	0			23	720	2	-1731					
X.11	165		375	849	190	48	1627	11			91	789	0	-690					
XI.11	330		393	671	120	163	1677	8			86	1034	7	-208					
XII.11	367		478	656	627	286	2414	21			300	479	11	-1483					
2011	2047		5141	5936	6718	1514	21356	628			4007	6509	278	-7127					

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Slovenia

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	5281
			2010	5377
			2011	5900
Fossil fuels net generation	GWh	Σ	2006	4727
			2010	4794
			2011	4602
Hydraulic net generation	GWh	Σ	2006	3121
			2010	4249
			2011	3362
Other renewable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
- of which wind	GWh	Σ	2006	0
			2010	0
			2011	0
- of which solar	GWh	Σ	2006	n.a.
			2010	0
			2011	0
Non-identifiable net generation	GWh	Σ	2006	0
			2010	0
			2011	0
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006	13129
			2010	14420
			2011	13864
Sum of physical inside flows	GWh	Σ	2006	7716
			2010	8611
			2011	7034
Sum of physical outside flows	GWh	Σ	2006	7487
			2010	10744
			2011	8308
Total exchange balance	GWh	Σ	2006	202
			2010	-2172
			2011	-1306
Consumption of pumps	GWh	Σ	2006	0
			2010	0
			2011	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	13331
			2010	12248
			2011	12558
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	1420
			15.12.10	1349
			16.02.11	1358
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	2045
			15.12.10	1804
			16.02.11	1837
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	2166
			15.12.10	1919
			19.01.11	1907
Time of highest load on the 3 rd Wednesday	CET		20.12.06	19:00
			15.12.10	19:00
			19.01.11	15:00

Physical exchanges in interconnected operation ¹

Slovenia

GWh

MM_YY	Sum_OF			Inside flows (IF)				Sum_IF	Sum_IF - Sum_OF	Balance
	SI→AT	SI→HR	SI→IT	AT→SI	HR→SI	IT→SI	IT→SI			
I.06	222	14	418	10	762	1	773	119		
II.06	158	10	477	14	707	1	722	77		
III.06	128	19	566	25	724	2	751	38		
IV.06	12	17	701	139	799	0	938	208		
V.06	6	103	591	86	602	0	688	-12		
VI.06	25	181	520	98	484	0	582	-144		
VII.06	73	139	444	108	493	1	602	-54		
VIII.06	56	209	289	96	367	1	464	-90		
IX.06	85	132	204	65	373	4	442	21		
X.06	112	94	415	90	512	1	603	-18		
XI.06	46	79	392	52	503	1	556	39		
XII.06	139	39	372	50	545	0	595	45		
2006	1062	1036	5389	833	6871	12	7716	229		
I.10	35	190	727	127	614	21	762	-190		
II.10	36	145	775	146	708	5	859	-97		
III.10	33	200	862	104	751	7	862	-233		
IV.10	55	179	726	80	656	28	764	-196		
V.10	30	260	697	111	585	4	700	-287		
VI.10	10	306	580	204	445	10	659	-237		
VII.10	0	357	394	337	333	6	676	-75		
VIII.10	6	415	72	170	104	12	286	-207		
IX.10	1	322	526	233	340	6	579	-270		
X.10	3	48	610	364	492	14	870	209		
XI.10	72	136	880	130	693	5	828	-260		
XII.10	303	89	664	5	759	2	766	-290		
2010	584	2647	7513	2011	6480	120	8611	-2133		
I.11	169	137	523	28	611	0	639	-190		
II.11	27	178	430	111	464	2	577	-58		
III.11	82	129	483	111	568	3	682	-12		
IV.11	33	242	487	127	444	4	575	-187		
V.11	6	329	414	274	366	3	643	-106		
VI.11	13	294	390	220	352	4	576	-121		
VII.11	3	329	401	344	313	2	659	-74		
VIII.11	11	329	214	185	220	17	422	-132		
IX.11	18	270	315	163	319	7	489	-114		
X.11	18	286	444	242	382	5	629	-119		
XI.11	7	327	351	327	259	5	591	-94		
XII.11	15	270	334	249	292	11	552	-67		
2011	402	3120	4786	2381	4590	63	7034	-1274		

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

Slovak Republic

Yearly values / Operation

Thermal nuclear net generation	GWh	Σ	2006	16631
			2010	13576
			2011	14379
Fossil fuels net generation	GWh	Σ	2006	5409
			2010	5620
			2011	6331
Hydraulic net generation	GWh	Σ	2006	4401
			2010	5523
			2011	4007
Other renewable net generation	GWh	Σ	2006	10
			2010	474
			2011	863
- of which wind	GWh	Σ	2006	3
			2010	7
			2011	0
- of which solar	GWh	Σ	2006	n.a.
			2010	9
			2011	307
Non-identifiable net generation	GWh	Σ	2006	2591
			2010	931
			2011	968
Total net generation, calculated to represent 100% of the national values	GWh	Σ	2006 ¹	29042
			2010 ¹	26124
			2011 ¹	26548
Sum of physical inside flows	GWh	Σ	2006	9325
			2010	7342
			2011	11228
Sum of physical outside flows	GWh	Σ	2006	10925
			2010	6295
			2011	10501
Total exchange balance	GWh	Σ	2006	-1602
			2010	1042
			2011	727
Consumption of pumps	GWh	Σ	2006	232
			2010	530
			2011	495
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	2006	27208
			2010	26636
			2011	26780
Consumption load 3:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	3573
			15.12.10	3390
			16.02.11	3144
Consumption load 11:00 a.m. on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	18.01.06	4194
			15.12.10	4126
			16.02.11	4115
Highest load on the 3 rd Wednesday, calculated to represent 100% of the national values	MW	max.	20.12.06	4316
			15.12.10	4326
			16.02.11	4126
Time of highest load on the 3 rd Wednesday	CET		20.12.06	17:00
			15.12.10	17:00
			16.02.11	10:00

¹Including deliveries from industry

Physical exchanges in interconnected operation ¹

MM_YY	Sum_OF				Sum_IF					Sum_IF - Sum_OF
	SK→CZ	SK→HU	SK→PL	SK→UA-W	CZ→SK	HU→SK	PL→SK	UA-W→SK	Sum_IF	
	Outside flows (OF)				Inside flows (IF)					Balance
I.06	107	813	0	225	495	0	361	4	860	-285
II.06	69	739	0	182	445	0	385	5	835	-155
III.06	97	699	0	127	371	0	307	5	683	-240
IV.06	63	615	0	64	287	0	281	6	574	-168
V.06	80	604	0	88	316	0	250	8	574	-198
VI.06	49	650	0	63	317	0	199	6	522	-240
VII.06	39	586	4	55	408	0	159	27	594	-90
VIII.06	34	696	0	58	597	0	19	12	628	-160
IX.06	6	554	0	127	457	0	310	5	772	85
X.06	29	759	0	212	627	0	402	5	1034	34
XI.06	14	824	0	236	743	0	315	5	1063	-11
XII.06	25	1053	0	280	794	0	386	6	1186	-172
2006	612	8592	4	1717	5857	0	3374	94	9325	-1600
I.10	24	353	4	64	409	0	147	22	578	133
II.10	6	373	0	79	475	0	187	10	672	214
III.10	16	447	1	119	421	0	220	8	649	66
IV.10	19	517	2	131	457	0	168	7	632	-37
V.10	28	339	10	52	346	0	99	12	457	28
VI.10	34	393	20	51	306	0	63	9	378	-120
VII.10	1	602	0	158	861	0	179	5	1045	284
VIII.10	22	539	6	64	431	0	87	11	529	-102
IX.10	6	447	8	55	591	0	1	15	607	91
X.10	7	558	0	95	677	0	176	13	866	206
XI.10	54	280	1	39	388	3	126	46	563	189
XII.10	149	86	31	5	136	53	45	132	366	95
2010	366	4934	83	912	5498	56	1498	290	7342	1047
I.11	73	365	13	24	197	4	76	75	352	-123
II.11	19	569	0	89	442	0	202	12	656	-21
III.11	49	516	1	115	466	0	254	11	731	50
IV.11	32	573	3	58	434	0	170	16	620	-46
V.11	26	576	3	73	451	0	166	19	636	-42
VI.11	21	435	6	71	430	1	125	22	578	45
VII.11	6	867	0	186	879	0	149	3	1031	-28
VIII.11	0	799	0	244	984	0	188	3	1175	132
IX.11	1	652	0	269	689	0	324	2	1015	93
X.11	1	853	0	274	928	0	395	4	1327	199
XI.11	0	869	0	341	990	0	486	4	1480	270
XII.11	0	1046	0	383	1101	0	519	7	1627	198
2011	228	8120	26	2127	7991	5	3054	178	11228	727

¹ These physical energy flows were measured on the tie lines (≥110 kV). These values may differ from the official statistics and the total exchange balance in the table "Monthly values / Operation".

