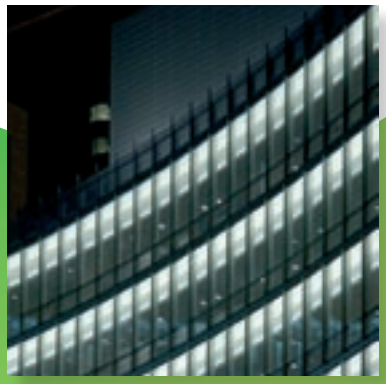
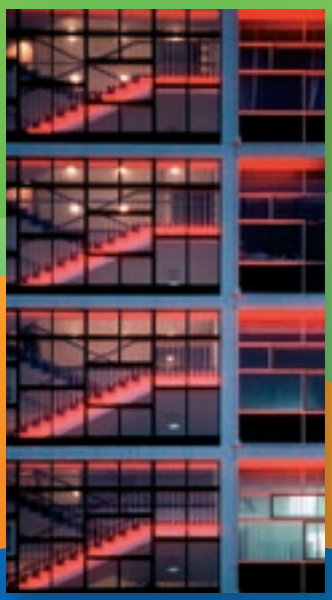
UCTE





Statistical Yearbook 2005

union for the co-ordination of transmission of electricity

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Introduction

What is UCTE ?

The »Union for the Co-ordination of Transmission of Electricity« (UCTE) is an association of transmission system operators in continental Europe, providing a reliable market base by efficient and secure electrical »power highways«. The interconnected system ensures the technical condition for the reliable operation, and provides benefit for all market participants because they guarantee market access.
For more than fifty years UCTE has been co-ordinating by a variety of technical rules and recommendations the international operation of high voltage grids that all work with one »heart beat«: the 50 Hz UCTE frequency. UCTE is committed to the development of the system to meet all new market requirements, but without losses in terms of reliability for the existing system. The UCTE network brings a safe electricity supply for some 450 million people. Therefore UCTE handles one of the biggest electrical synchronous interconnections worldwide. This technical solution provides the possibility of the free market operation.

Keyfigures

33	Transmission System Operators (TSO)
23	European Countries
450 million	People served by the represented power systems
590 GW	Installed capacity
2400 TWh	Electricity consumption in 2005
260 TWh	Sum of electricity exchange between member TSO's under rules of UCTE
220.000 km	Length of high-voltage transmission lines managed by the TSOs

UCTE activities include the preparation of a statistical yearbook. This publication is the result of the ongoing efforts of the Working Group "Statistics", the national correspondents and the UCTE Secretariat on the development, processing and production of appropriate statistics.
Part of the statistical data are used for various graphical representations in other publications such as the Memo and the Monthly Statistics, which are amongst others all available on the web site "http://www.ucte.org".
Figures indicated for the various countries may differ from other national statistics published, since the former will only describe that part of the electricity supply system which is concerned with interconnected system operation. Consequently, these data will not be representative of the entire electricity supply system in any given country. This yearbook is therefore mainly a document, which has been produced to meet the needs of members of the UCTE.
The national correspondents responsible for the production of national data published in this yearbook are listed below. They will be able to provide information on the contents and the interpretation of these statistics.

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MONTHLY VALUES 1

Monthly values

I

OPERATION AND PHYSICAL EXCHANGE BALANCE (PER COUNTRY FOR THE YEARS 1995, 2004, 2005)

Abbreviations used in tables

Σ ..... Sum of the 12 monthly values
∅ pond. ..... Weighted mean value
Max. ..... Maximal value of the year

Third countries	1995	2004	2005
Bulgaria (BG)	BG		
Czech Republic (CZ)	CZ		
Hungary (HU)	HU		
Poland (PL)	PL		
Romania (RO)	RO		
Slovak Republic (SK)	SK		
Denmark West (DK_W)		DK_W	DK_W
Ukraine West (UA_W)		UA_W	UA_W
Albania (AL)AL	AL	AL	AL
Belarus (BY)		BY	BY
Denmark (DK)	DK		
Denmark East (DK_E)		DK_E	DK_E
Great Britain (GB)	GB	GB	GB
Morocco (MA)	MA	MA	MA
Republic of Moldavia (MD)		MD	MD
Norway (NO)		NO	NO
Sweden (SE)	SE	SE	SE
Republic of Turkey (TR)		TR	TR
Ukraine (UA)		UA	UA

Remark: When summing up the values, rounding deviations may occur.

[1] The Bulgarian values of production and consumption are gross values.
[2] FYROM = Former Yugoslav Republic of Macedonia
[3] Denmark West represents the Western part of Denmark synchronously interconnected with UCTE (Jutland and Funen)
[4] Ukraine West represents the so-called Burshtyn Island synchronously interconnected with UCTE

The following information for the individual countries is presented on the next pages:

Thermal nuclear net production (national values)

Thermal conventional net production (national values)

Hydraulic net production (national values)

Other renewable net production (national values)
- of which wind

Not clearly identifiable net production (national values)

Total net electrical energy production,
calculated to represent 100% of the national values

Physical import

Physical export

Total physical import/export balance

Consumption of pumps

National electrical consumption,
calculated to represent 100% of the national values

Consumption load at 3:00 a.m. on the 3rd Wednesday,
calculated to represent 100% of the national values

Consumption load at 11:00 a.m. on the 3rd Wednesday,
calculated to represent 100% of the national values

Maximum load on the 3rd Wednesday,
calculated to represent 100% of the national values

Time of the maximum load on the 3rd Wednesday

Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.

Similar information is represent in the following graphs of the Statistical Yearbook:
- Net production on pages 128 and 129
- Physical exchanges on pages 133, 134, 146 and 147
- Load curves on pages 92-105

Overview UCTE in figures 2005

Countries		AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR
Net production	**" All values are calculated to represent 100% of the national values "**											
Thermal nuclear	GWh	0	0	45336	18656	22020	0	23255	154531	54978	429978	0
Thermal conventional	GWh	24068	6604	33706	20943	2207	27468	49861	357573	157197	58956	43304
Hydroproduction	GWh	35511	5998	1596	4664	32759	13879	3016	23586	22494	55983	5583
Other renewable	GWh	0	0	2066	0	932	0	62	38382	25798	4321	1056
of which windpower	GWh	0	0	165	0	6	0	22	28881	17343	992	946
Not clearly identifiable	GWh	4221	0	0	0	0	0	0	0	0	0	0
Total net production	GWh	63800	12602	82704	44263	57918	41347	76194	574072	260467	549238	49943
Consumption	**" All values are calculated to represent 100% of the national values "**											
Consumption	GWh	63174	11191	87169	36083	63047	41632	62693	556371	252764	482400	52876
Maximum load on the 3rd Wednesday	**" All values are calculated to represent 100% of the national values "**											
Maximum load	MW	10521	1821	13059	6222	9724	7126	9576	82527	40972	82319	9140
Maximum output capacity as of 31.12.2005	**"All values are identical with the national values and there representativity"**											
Thermal nuclear	MW	0	0	5802	2880	3220	0	3537	20200	7600	63260	0
Thermal conventional	MW	5900	1957	8099	5410	320	6400	10558	70400	36673	25331	7601
Hydropower	MW	11700	2064	1417	2700	13355	3497	2165	9100	18675	25398	3108
Renewable ernergy sources	MW	670	0	750	1	290	0	43	19600	10673	1554	595
Not unambigously identified energy sources	MW	0	0	0	0	250	0	0	0	0	0	0
Total	MW	18270	4021	16068	10991	17435	9897	16303	119300	73621	115543	11304
Representativity of the values	%	100	99	100	100	100	100	100	90	100	100	100

Percentage as referred to the national values

Countries		AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR
Thermal nuclear	%	100	100	100	100	100	100	100	100	100	100	100
Thermal conventional	%	100	100	100	100	100	100	100	100	97	100	100
Hydroproduction	%	100	100	100	100	100	100	100	100	100	100	100
Other renewable	%	100	100	100	100	100	100	100	100	95	100	100
Not clearly identifiable	%	100	100	100	100	100	100	100	100	100	100	100
Consumption	%	100	100	100	100	100	100	100	100	98	100	100
Load	%	100	100	100	100	100	100	100	91	98	100	100

HR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	UCTE	DK_W	UA_W
0	13005	0	0	0	3772	0	0	5132	5609	16376	**792648**	0	0
5177	17884	241071	3102	4994	86658	140182	35186	29764	4601	5508	**1356014**	15472	7976
6397	200	42386	869	1481	0	3550	4910	19908	3002	4571	**292343**	23	110
21	1400	7368	108	0	5936	224	3515	0	0	6	**91195**	6386	0
11	11	2330	53	0	2060	132	1726	0	0	6	**54684**	5038	0
0	600	0	0	0	0	0	0	0	0	2680	**7501**	0	0
11595	33089	290825	4079	6475	96366	143956	43611	54804	13212	29141	**2539701**	21881	8086
16557	39314	330441	6237	8074	114658	130612	49863	51885	12767	26283	**2496091**	21296	4362
2810	6146	54115	942	1450	16858	21578	8669	7974	2074	4323	**389858**	3569	978
0	1755	0	0	0	449	0	0	655	670	2640	**112668**	0	0
1691	5202	62164	481	1010	19457	29724	6561	9173	1262	2270	**317644**	5154	2347
2079	46	20993	1128	517	37	2245	4915	5819	872	2429	**134259**	10	27
5	394	2313	67	0	2016	108	1353	0	0	3	**40435**	2392	0
0	683	0	0	0	18	0	0	0	0	696	**1647**	0	0
3775	8080	85470	1676	1527	21977	32077	12829	15647	2804	8038	**606653**	7556	2374
100	100	100	100	100	100	100	96	100	100	100		100	100

HR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	DK_W	UA_W
100	100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	98	100	100	100	95	100	100	100	100	100
100	100	100	99	100	100	100	100	100	100	100	100	100
100	100	100	99	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	99	100	100	100	96	100	95	100	100	100
100	100	100	100	100	100	100	96	100	95	100	100	100

Austria

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	0
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	12316
			2004	22124
			2005	24068
Hydraulic net production	GWh	Σ	1995	35548
			2004	34298
			2005	35511
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	4221
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	54391
			2004	67170
			2005 [3]	63800
Physical import	GWh	Σ	1995	8073
			2004	16453
			2005	23088
Physical export	GWh	Σ	1995	7717
			2004	12994
			2005	19773
Total physical import/export balance [2]	GWh	Σ	1995	-2457
			2004	3182
			2005	2651
Consumption of pumps	GWh	Σ	1995	1512
			2004	3039
			2005	3277
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	50422
			2004	67313
			2005	63174
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	6215
			2004	7828
			2005	7762
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	7972
			2004	10496
			2005	10323
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	8055
			2004	10846
			2005	10521
Time of maximum load on the 3rd Wednesday		CET	1995	19:00
			2004	18:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	8461
			2004	9304
			2005	10002

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1924	1337	1465	458	231	170	107	680	581	1499	1908	1956
2468	2321	2382	1784	1326	1349	1202	1040	1564	1853	2356	2479
2399	2520	2507	1689	1169	1700	1459	1046	1667	2147	2805	2960
2270	2284	2578	3296	3831	3907	4060	3190	3391	2330	2177	2234
2134	2260	2611	2846	3431	3934	3889	3190	2893	2529	2434	2147
2171	2240	2572	3304	3871	3566	3737	3571	3159	2882	2323	2115
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	520	659	460	522	516	425	436	263	420
4766	4115	4594	4266	4616	4633	4735	4398	4514	4351	4642	4761
5479	5454	5944	5512	5663	6289	6061	5036	5306	5217	5702	5507
4570	4760	5079	5513	5699	5726	5718	5133	5251	5465	5391	5495
988	729	810	614	555	366	473	406	427	681	925	1099
2031	1766	1561	1343	839	609	868	1125	1246	1476	1516	2073
2540	2093	2141	1869	1568	1422	1528	1589	1566	2029	2124	2619
547	496	601	609	788	788	1052	767	0	680	672	717
995	1150	1171	1170	988	1314	1257	895	1042	876	1029	1107
1464	1567	1710	1939	1720	1834	1803	1504	1503	1740	1408	1581
256	169	105	-130	-538	-597	-785	-522	-431	-185	46	155
989	581	353	135	-182	-731	-409	219	158	592	487	990
1019	465	381	-99	-353	-441	-282	53	26	248	665	969
47	56	56	136	194	263	188	168	164	82	78	80
227	193	174	237	247	317	369	271	219	270	234	281
250	174	242	234	323	291	373	340	265	281	251	253
4975	4228	4643	4000	3884	3773	3762	3708	3919	4084	4610	4836
6241	5842	6123	5410	5234	5241	5283	4984	5245	5539	5955	6216
5339	5051	5218	5180	5023	4994	5063	4846	5012	5432	5805	6211
6215	5153	5400	4570	4232	4125	3872	3412	4180	4336	5010	5831
7409	7277	6517	6182	5920	5789	5813	5700	6029	6540	7191	**7828**
7516	**7762**	7179	5143	4866	4853	4791	4596	4873	5405	5632	6363
7972	7112	7176	6595	6421	6290	6251	5997	6497	6471	7102	7530
9989	10040	9343	8766	8667	8961	8776	8765	9248	9271	9924	**10496**
10317	**10323**	9773	7684	7573	7249	7208	7183	7450	7730	7918	8517
8055	7233	7333	6743	6622	6611	6564	6351	6722	6799	7238	7722
10379	10155	9444	8857	8878	9193	9010	8932	9489	9510	10400	**10846**
10521	10402	9816	7777	7781	7446	7357	7368	7506	7873	8408	8904
19:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	19:00	19:00	18:00
18:00	19:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	19:00	18:00	**18:00**
18:00	19:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	19:00	18:00	18:00
7666	7877	7939	7518	7473	7334	**8461**	7423	7597	7765	7026	7510
9304	8922	7601	7556	6110	7983	7526	6598	7998	7490	8717	8934
8627	8628	7398	7688	7502	8903	7930	7414	**10002**	9175	9175	9817

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

Austria | GWh

MM_YY	AT→CH	AT→CZ	AT→DE	AT→HU	AT→IT	AT→SI	UCTE_EXP	Total_EXP	CH→AT	CZ→AT	DE→AT	HU→AT	IT→AT	SI→AT	UCTE_IMP	Total_IMP	AT_UCTE	AT_Total
	Export (-)								Import (+)								Balance	
I.95	103	0	297	18	129	166	695	713	73	284	587	44	0	3	663	991	-32	278
II.95	110	0	289	13	84	69	552	565	31	197	434	67	0	22	487	751	-65	186
III.95	89	0	372	41	99	101	661	702	48	311	430	21	0	16	494	826	-167	124
IV.95	174	0	287	34	114	117	692	726	7	120	477	10	0	3	487	617	-205	-109
V.95	168	2	470	33	115	212	965	1000	12	110	424	9	0	3	439	558	-526	-442
VI.95	141	0	464	63	120	185	910	973	25	121	214	6	0	3	242	369	-668	-604
VII.95	103	0	709	102	138	184	1134	1236	35	134	297	7	0	2	334	475	-800	-761
VIII.95	217	0	459	43	48	167	891	934	14	0	383	9	0	8	405	414	-486	-520
IX.95	229	7	340	14	107	126	802	823	10	69	333	15	0	1	344	428	-458	-395
X.95	176	0	322	78	104	151	753	831	30	148	486	17	0	4	520	685	-233	-146
XI.95	200	0	294	69	109	179	782	851	5	299	593	28	0	0	598	925	-184	74
XII.95	263	0	224	74	156	204	847	921	1	287	774	37	0	0	775	1099	-72	178
1995	**1973**	**9**	**4527**	**582**	**1323**	**1861**	**9684**	**10275**	**291**	**2080**	**5432**	**270**	**0**	**65**	**5788**	**8138**	**-3896**	**-2137**
I.04	445	0	254	23	137	136	995	995	2	661	1296	59	0	13	2031	2031	1036	1036
II.04	537	0	297	29	126	161	1150	1150	0	564	1152	38	0	12	1766	1766	616	616
III.04	518	1	326	22	139	165	1171	1171	1	443	1000	50	0	67	1561	1561	390	390
IV.04	469	0	324	64	145	168	1170	1170	3	533	757	37	0	13	1343	1343	173	173
V.04	276	0	401	21	132	158	988	988	37	183	407	188	0	24	839	839	-149	-149
VI.04	315	8	542	102	141	206	1314	1314	23	268	296	17	0	5	609	609	-705	-705
VII.04	181	0	674	40	152	210	1257	1257	101	482	256	27	0	2	868	868	-389	-389
VIII.04	177	0	427	34	112	145	895	895	59	655	328	65	0	18	1125	1125	230	230
IX.04	311	0	333	49	125	224	1042	1042	13	588	568	75	0	2	1246	1246	204	204
X.04	283	0	288	30	136	139	876	876	38	626	730	68	0	14	1476	1476	600	600
XI.04	379	0	292	48	136	174	1029	1029	31	541	892	36	0	16	1516	1516	487	487
XII.04	528	0	307	16	140	116	1107	1107	1	704	1240	80	0	48	2073	2073	966	966
2004	**4419**	**9**	**4465**	**478**	**1621**	**2002**	**12994**	**12994**	**309**	**6248**	**8922**	**740**	**0**	**234**	**16453**	**16453**	**3459**	**3459**
I.05	725	0	448	23	142	126	1464	1464	12	755	1639	59	0	75	2540	2540	1076	1076
II.05	821	0	455	52	123	116	1567	1567	0	554	1475	24	0	40	2093	2093	526	526
III.05	905	1	545	67	124	68	1710	1710	0	501	1577	19	2	42	2141	2141	431	431
IV.05	899	0	637	165	122	116	1939	1939	0	510	1323	22	0	14	1869	1869	-70	-70
V.05	752	1	680	74	137	76	1720	1720	147	376	1019	20	0	6	1568	1568	-152	-152
VI.05	764	3	734	76	129	128	1834	1834	0	313	1029	12	0	68	1422	1422	-412	-412
VII.05	730	0	753	57	109	154	1803	1803	0	260	1065	183	0	20	1528	1528	-275	-275
VIII.05	516	3	704	49	122	110	1504	1504	34	494	858	153	0	50	1589	1589	85	85
IX.05	606	2	533	106	122	134	1503	1503	4	481	985	50	0	46	1566	1566	63	63
X.05	856	1	497	71	129	186	1740	1740	0	621	1277	103	0	28	2029	2029	289	289
XI.05	637	0	514	45	119	93	1408	1408	14	583	1343	126	0	58	2124	2124	716	716
XII.05	908	1	495	24	119	34	1581	1581	0	666	1781	86	0	86	2619	2619	1038	1038
2005	**9119**	**12**	**6995**	**809**	**1497**	**1341**	**19773**	**19773**	**211**	**6114**	**15371**	**857**	**2**	**533**	**23088**	**23088**	**3315**	**3315**

[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".

Physical exchanges in interconnected operation [1]

Bosnia-Herzegovina | GWh

MM_YY	BA→CS	BA→HR	UCTE_EXP	Total_EXP	CS→BA	HR→BA	UCTE_IMP	Total_IMP	BA_UCTE	BA_Total
	Export (-)				Import (+)				Balance	
I.95	0	0	0	0	0	0	0	0	0	0
II.95	0	0	0	0	0	0	0	0	0	0
III.95	0	0	0	0	0	0	0	0	0	0
IV.95	0	0	0	0	0	0	0	0	0	0
V.95	0	0	0	0	0	0	0	0	0	0
VI.95	0	0	0	0	0	0	0	0	0	0
VII.95	0	0	0	0	0	0	0	0	0	0
VIII.95	0	0	0	0	0	0	0	0	0	0
IX.95	0	0	0	0	0	0	0	0	0	0
X.95	0	0	0	0	0	0	0	0	0	0
XI.95	0	0	0	0	0	0	0	0	0	0
XII.95	0	0	0	0	0	0	0	0	0	0
1995	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
I.04	235	140	375	375	82	80	162	162	-213	-213
II.04	201	167	368	368	60	58	118	118	-250	-250
III.04	226	207	433	433	104	65	169	169	-264	-264
IV.04	171	144	315	315	88	88	176	176	-139	-139
V.04	142	162	304	304	93	61	154	154	-150	-150
VI.04	131	92	223	223	67	42	109	109	-114	-114
VII.04	76	97	173	173	61	61	122	122	-51	-51
VIII.04	47	118	165	165	15	91	106	106	-59	-59
IX.04	11	193	204	204	14	76	90	90	-114	-114
X.04	111	242	353	353	31	102	133	133	-220	-220
XI.04	74	222	296	296	48	125	173	173	-123	-123
XII.04	74	315	389	389	68	70	138	138	-251	-251
2004	**1499**	**2099**	**3598**	**3598**	**731**	**919**	**1650**	**1650**	**-1948**	**-1948**
I.05	93	275	368	368	82	107	189	189	-179	-179
II.05	45	225	270	270	100	131	231	231	-39	-39
III.05	67	352	419	419	80	90	170	170	-249	-249
IV.05	54	257	311	311	51	85	136	136	-175	-175
V.05	42	194	236	236	59	79	138	138	-98	-98
VI.05	20	245	265	265	133	102	235	235	-30	-30
VII.05	77	183	260	260	44	143	187	187	-73	-73
VIII.05	142	161	303	303	34	139	173	173	-130	-130
IX.05	59	238	297	297	72	74	146	146	-151	-151
X.05	100	222	322	322	70	103	173	173	-149	-149
XI.05	86	184	270	270	123	163	286	286	16	16
XII.05	108	199	307	307	63	124	187	187	-120	-120
2005	**893**	**2735**	**3628**	**3628**	**911**	**1340**	**2251**	**2251**	**-1377**	**-1377**

[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".

Bosnia-Herzegovina

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	6621
			2005	6604
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	5979
			2005	5998
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	12728
			2005	12602
Physical import	GWh	Σ	1995	n.a.
			2004	1653
			2005	2251
Physical export	GWh	Σ	1995	n.a.
			2004	3598
			2005	3628
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-2084
			2005	-1411
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	10644
			2005	11191
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1161
			2005	1114
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1688
			2005	1656
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1891
			2005	1821
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	18:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	2047
			2005	1916

Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

Bosnia-Herzegovina

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
738	643	432	211	249	395	572	675	740	688	669	609
643	561	592	248	278	508	583	636	672	706	549	628
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
502	536	779	760	692	486	273	205	195	404	439	708
599	491	670	796	644	374	347	355	317	357	436	612
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1253	1191	1223	981	951	890	854	889	944	1103	1119	1330
1242	1052	1262	1044	922	882	930	991	989	1063	985	1240
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
162	118	169	176	154	112	122	106	90	133	173	138
189	231	170	136	138	235	187	173	146	173	286	187
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
375	368	433	315	304	223	173	165	204	353	296	389
368	270	419	311	236	265	260	303	297	322	270	307
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-239	-268	-281	-151	-159	-119	-50	-78	-148	-152	-167	-272
-205	-69	-274	-162	-90	27	-89	-135	-165	-146	52	-155
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1014	923	942	830	792	771	804	811	796	951	952	1058
1037	983	988	882	832	909	841	856	824	917	1037	1085
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1138	**1161**	1042	887	856	863	879	872	882	951	1003	1158
991	1068	903	870	765	800	843	836	836	903	1039	**1114**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1678	1651	1469	1323	1279	1302	1307	1273	1331	1420	1431	**1688**
1488	1519	1294	1305	1220	1173	1248	1271	1214	1321	1501	**1656**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1861	1762	1600	1496	1405	1405	1428	1365	1487	1630	1676	**1891**
1644	1673	1515	1461	1371	1300	1293	1420	1421	1543	1717	**1821**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
18:00	19:00	20:00	21:00	22:00	22:00	22:00	21:00	20:00	20:00	18:00	**18:00**
20:00	19:00	20:00	21:00	22:00	22:00	22:00	21:00	21:00	20:00	18:00	**18:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2047	1763	1748	1416	1429	1165	1343	1438	1371	1738	1778	1935
1916	1615	1654	1593	1382	1354	1557	1496	1691	1617	1452	1858

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

Belgium

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	39191
			2004	44901
			2005	45336
Thermal conventional net production	GWh	Σ	1995	30210
			2004	34925
			2005	33706
Hydraulic net production	GWh	Σ	1995	1230
			2004	1562
			2005	1596
Other renewable net production [1]	GWh	Σ	2005	2066
- of which wind	GWh	Σ	2005	165
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995 [3]	70631
			2004 [3]	82212
			2005 [3]	82704
Physical import	GWh	Σ	1995	9224
			2004	14612
			2005	14265
Physical export	GWh	Σ	1995	5325
			2004	6804
			2005	8024
Total physical import/export balance [2]	GWh	Σ	1995	4072
			2004	7779
			2005	6241
Consumption of pumps	GWh	Σ	1995	1178
			2004	1695
			2005	1776
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	73525
			2004	88296
			2005	87169
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	9404
			2004	10266
			2005	10436
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	11615
			2004	12420
			2005	12403
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	11752
			2004	13325
			2005	13059
Time of maximum load on the 3rd Wednesday		CET	1995	19:00
			2004	19:00
			2005	19:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	10509
			2004	11417
			2005	11739

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
4010	3493	3408	3766	3255	2888	2366	2375	2566	3533	3579	3952
4315	3543	3649	3483	3687	3705	4000	3588	3365	3437	3875	4254
4313	3899	3857	3645	3783	3725	4093	3443	3342	3542	3543	4151
2619	2334	2957	2110	2287	2424	2304	2542	2615	2425	2652	2941
3023	3000	3252	2815	2817	2634	2657	2626	2929	3089	2972	3111
2897	3002	2990	2735	2626	2576	2550	2649	2767	2874	2919	3121
127	102	128	131	111	106	96	76	76	86	80	111
156	146	135	136	90	78	126	134	130	128	143	160
176	154	155	127	132	115	117	122	112	117	119	150
144	128	151	149	141	131	126	159	203	203	298	233
15	10	8	9	11	9	10	10	12	20	26	25
0	0	0	0	0	0	0	0	0	0	0	0
6756	5929	6493	6007	5653	5418	4766	4993	5257	6044	6311	7004
7570	6757	7107	6499	6661	6482	6852	6412	6489	6721	7061	7601
7530	7183	7153	6656	6682	6547	6886	6373	6424	6736	6879	7655
817	739	685	701	815	785	897	1040	812	615	668	650
1363	1335	1316	1236	952	1246	727	1257	1247	1375	1336	1222
1189	1006	1412	996	1031	1206	711	1346	1478	1171	1400	1319
466	411	377	583	476	390	324	425	179	436	570	688
614	405	431	485	572	795	819	761	519	424	548	431
510	622	673	448	638	838	1005	968	836	543	444	499
361	339	320	128	350	406	581	624	643	190	157	-27
757	936	890	756	385	456	-90	497	732	976	788	696
679	384	739	548	393	368	-294	378	642	628	956	820
115	83	98	97	103	100	105	91	81	97	94	114
152	134	138	144	88	93	156	157	153	154	162	164
155	144	149	134	145	143	149	151	142	149	149	166
7002	6185	6715	6038	5900	5724	5242	5526	5819	6137	6374	6863
8175	7559	7859	7111	6958	6845	6606	6752	7068	7543	7687	8133
8054	7423	7743	7070	6930	6772	6443	6600	6924	7215	7686	8309
9404	8952	8933	7755	7193	6758	5902	5741	6882	6879	7571	8516
10009	9834	8613	8566	7985	8142	7218	7896	8184	8397	9252	**10266**
10013	**10436**	9168	8851	8636	8194	7507	7851	8074	8582	9394	9910
11615	11244	11071	10215	9801	9384	8059	9025	9691	9637	9994	10787
12312	11859	11164	11174	10773	10704	8048	10918	11066	11617	11687	**12420**
12297	**12403**	11251	11364	11303	10816	9530	10683	11139	11434	11944	12319
11752	11435	11368	10408	10107	9657	8244	9363	9946	10241	10611	11183
12890	12306	11230	11366	11049	10961	8416	11270	11302	11687	12505	**13325**
13007	12883	11499	11460	11455	11038	9747	10890	11259	11631	12990	**13059**
19:00	19:00	20:00	12:00	12:00	12:00	12:00	12:00	12:00	19:00	19:00	18:00
19:00	19:00	20:00	12:00	12:00	12:00	13:00	12:00	12:00	12:00	19:00	**19:00**
19:00	20:00	20:00	12:00	12:00	12:00	12:00	13:00	12:00	20:00	19:00	**19:00**
9464	9404	9336	9780	9053	8622	7335	8100	9051	9135	9476	**10509**
11417	10517	10075	9955	9706	9894	9039	9509	9614	9872	10355	11314
11113	**11739**	10077	10933	11038	9632	10138	9832	10124	10327	10711	11094

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

MM_YY	BE→FR	BE→LU	BE→NL	UCTE_EXP	Total_EXP	FR→BE	LU→BE	NL→BE	UCTE_IMP	Total_IMP	BE_UCTE	BE_Total
	Export (-)					Import (+)					Balance	
I.95	112	108	246	466	466	476	0	341	817	817	351	351
II.95	89	109	213	411	411	379	0	360	739	739	328	328
III.95	72	135	170	377	377	413	0	272	685	685	308	308
IV.95	171	107	305	583	583	464	0	237	701	701	118	118
V.95	78	119	279	476	476	530	0	285	815	815	339	339
VI.95	57	110	223	390	390	457	0	328	785	785	395	395
VII.95	14	109	201	324	324	646	0	251	897	897	573	573
VIII.95	0	103	322	425	425	854	0	186	1040	1040	615	615
IX.95	4	111	64	179	179	473	0	339	812	812	633	633
X.95	124	116	196	436	436	266	0	349	615	615	179	179
XI.95	140	122	308	570	570	441	0	227	668	668	98	98
XII.95	382	121	185	688	688	185	0	465	650	650	-38	-38
1995	**1243**	**1370**	**2712**	**5325**	**5325**	**5584**	**0**	**3640**	**9224**	**9224**	**3899**	**3899**
I.04	130	110	374	614	614	728	229	406	1363	1363	749	749
II.04	134	140	131	405	405	518	215	602	1335	1335	930	930
III.04	144	153	134	431	431	505	213	598	1316	1316	885	885
IV.04	124	122	239	485	485	561	195	480	1236	1236	751	751
V.04	48	152	372	572	572	624	109	219	952	952	380	380
VI.04	31	139	625	795	795	870	196	180	1246	1246	451	451
VII.04	144	148	527	819	819	352	204	171	727	727	-92	-92
VIII.04	78	98	585	761	761	856	215	186	1257	1257	496	496
IX.04	99	135	285	519	519	623	226	398	1247	1247	728	728
X.04	23	150	251	424	424	802	222	351	1375	1375	951	951
XI.04	91	105	352	548	548	683	192	461	1336	1336	788	788
XII.04	133	120	178	431	431	475	166	581	1222	1222	791	791
2004	**1179**	**1572**	**4053**	**6804**	**6804**	**7597**	**2382**	**4633**	**14612**	**14612**	**7808**	**7808**
I.05	299	92	120	511	511	264	232	688	1184	1184	673	673
II.05	442	101	80	623	623	163	48	789	1000	1000	377	377
III.05	392	109	173	674	674	416	229	761	1406	1406	732	732
IV.05	253	100	95	448	448	180	218	592	990	990	542	542
V.05	66	101	464	631	631	593	188	235	1016	1016	385	385
VI.05	54	94	690	838	838	916	183	102	1201	1201	363	363
VII.05	194	129	683	1006	1006	377	205	123	705	705	-301	-301
VIII.05	73	88	807	968	968	1060	189	92	1341	1341	373	373
IX.05	27	137	673	837	837	1135	217	120	1472	1472	635	635
X.05	61	145	338	544	544	716	216	234	1166	1166	622	622
XI.05	97	146	201	444	444	627	204	564	1395	1395	951	951
XII.05	264	125	109	498	498	308	229	775	1312	1312	814	814
2005	**2222**	**1367**	**4433**	**8022**	**8022**	**6755**	**2358**	**5075**	**14188**	**14188**	**6166**	**6166**

[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".

Physical exchanges in interconnected operation [1]

MM_YY	BG→CS	BG→GR	BG→MK	BG→RO	BG→TR	UCTE_EXP	Total_EXP	CS→BG	GR→BG	MK→BG	RO→BG	TR→BG	UCTE_IMP	Total_IMP	BG_UCTE	BG_Total
	Export (-)							Import (+)							Balance	
I.95	0	3	0	0	n.a.	3	n.a.	0	3	0	0	n.a.	3	n.a.	0	n.a.
II.95	0	0	0	0	n.a.	0	n.a.	0	0	0	0	n.a.	0	n.a.	0	n.a.
III.95	0	41	0	0	n.a.	41	n.a.	0	0	0	0	n.a.	0	n.a.	-41	n.a.
IV.95	0	74	0	0	n.a.	74	n.a.	0	0	0	0	n.a.	0	n.a.	-74	n.a.
V.95	0	93	0	0	n.a.	93	n.a.	0	0	0	0	n.a.	0	n.a.	-93	n.a.
VI.95	0	106	0	0	n.a.	106	n.a.	0	0	0	0	n.a.	0	n.a.	-106	n.a.
VII.95	0	0	0	0	n.a.	0	n.a.	0	0	0	0	n.a.	0	n.a.	0	n.a.
VIII.95	0	0	0	0	n.a.	0	n.a.	2	0	0	0	n.a.	2	n.a.	2	n.a.
IX.95	1	20	0	0	n.a.	21	n.a.	1	6	0	0	n.a.	7	n.a.	-14	n.a.
X.95	0	87	0	0	n.a.	87	n.a.	0	0	0	0	n.a.	0	n.a.	-87	n.a.
XI.95	0	103	0	0	n.a.	103	n.a.	0	0	0	0	n.a.	0	n.a.	-103	n.a.
XII.95	102	122	0	0	n.a.	224	n.a.	0	0	0	0	n.a.	0	n.a.	-224	n.a.
1995	**103**	**649**	**0**	**0**	**n.a.**	**752**	**n.a.**	**3**	**9**	**0**	**0**	**n.a.**	**12**	**n.a.**	**-740**	**n.a.**
I.04	285	365	0	48	0	698	698	0	0	0	51	0	51	51	-647	-647
II.04	205	335	0	36	0	576	576	0	0	0	62	0	62	62	-514	-514
III.04	115	277	0	66	0	458	458	1	0	0	17	0	18	18	-440	-440
IV.04	149	100	0	111	0	360	360	2	0	0	8	0	10	10	-350	-350
V.04	107	189	0	99	0	395	395	3	0	0	27	0	30	30	-365	-365
VI.04	64	266	0	113	0	443	443	2	0	0	65	0	67	67	-376	-376
VII.04	111	323	0	89	0	523	523	0	1	0	94	0	95	95	-428	-428
VIII.04	142	363	0	111	0	616	616	0	0	0	55	0	55	55	-561	-561
IX.04	144	363	0	144	0	651	651	0	0	0	92	0	92	92	-559	-559
X.04	200	341	0	44	0	585	585	0	0	0	92	0	92	92	-493	-493
XI.04	241	348	0	69	0	658	658	0	0	0	128	0	128	128	-530	-530
XII.04	238	363	0	59	0	660	660	0	0	0	41	0	41	41	-619	-619
2004	**2001**	**3633**	**0**	**989**	**0**	**6623**	**6623**	**8**	**1**	**0**	**732**	**0**	**741**	**741**	**-5882**	**-5882**
I.05	262	408	0	23	0	693	693	0	0	0	81	0	81	81	-612	-612
II.05	327	411	0	29	0	767	767	0	0	0	60	0	60	60	-707	-707
III.05	283	375	0	109	0	767	767	0	0	0	12	0	12	12	-755	-755
IV.05	218	319	3	100	0	640	640	0	0	0	22	0	22	22	-618	-618
V.05	229	211	0	90	0	530	530	0	0	0	3	0	3	3	-527	-527
VI.05	210	377	2	84	0	673	673	0	0	0	15	0	15	15	-658	-658
VII.05	205	436	30	54	0	725	725	0	0	0	68	0	68	68	-657	-657
VIII.05	89	395	29	29	0	542	542	0	0	0	87	0	87	87	-455	-455
IX.05	116	367	24	69	0	576	576	0	0	0	57	0	57	57	-519	-519
X.05	154	373	82	86	0	695	695	4	0	0	99	0	103	103	-592	-592
XI.05	312	431	79	55	0	877	877	0	0	0	141	0	141	141	-736	-736
XII.05	355	450	85	2	0	892	892	0	0	0	152	0	152	152	-740	-740
2005	**2760**	**4553**	**334**	**730**	**0**	**8377**	**8377**	**4**	**0**	**0**	**797**	**0**	**801**	**801**	**-7576**	**-7576**

[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".

Bulgaria [3]

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	16641
			2005	18656
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	21238
			2005	20943
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	3257
			2005	4664
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	41136
			2005	44263
Physical import	GWh	Σ	1995	n.a.
			2004	741
			2005	801
Physical export	GWh	Σ	1995	n.a.
			2004	6623
			2005	8377
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-5846
			2005	-7642
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	273
			2005	538
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	35017
			2005	36083
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	4707
			2005	4854
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	5432
			2005	5814
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	5949
			2005	6222
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	20:00
			2005	19:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	6371
			2005	6858

Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1933	1710	1539	1263	1137	837	1175	1098	1052	1377	1420	2100
2116	1889	1804	1664	1416	1049	1141	1146	1225	1398	1635	2173
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2017	1972	1902	1497	1526	1499	1527	1764	1846	1739	2090	1859
1735	1859	1873	1371	1128	1559	1925	1655	1673	1989	2284	1892
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
290	310	284	270	258	490	284	247	186	156	209	273
393	423	541	404	550	568	292	336	247	237	260	413
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4240	3992	3725	3030	2921	2826	2986	3109	3084	3272	3719	4232
4244	4171	4218	3439	3094	3176	3358	3137	3145	3624	4179	4478
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
51	62	18	10	30	67	95	55	92	92	128	41
81	60	12	22	3	15	68	87	57	103	141	152
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
698	576	458	360	395	443	523	616	651	585	658	660
693	767	767	640	530	673	725	542	576	695	877	892
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-576	-517	-442	-351	-367	-378	-432	-566	-564	-495	-534	-624
-617	-713	-761	-621	-530	-663	-663	-460	-524	-597	-744	-749
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
31	18	14	17	25	8	17	16	24	34	25	44
43	38	39	38	47	21	43	48	47	63	49	62
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3633	3457	3269	2662	2529	2440	2537	2527	2496	2743	3160	3564
3584	3420	3418	2780	2517	2492	2652	2629	2574	2964	3386	3667
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4439	**4707**	4031	3349	3190	2975	3066	2993	3012	3185	3826	4531
4472	**4854**	4009	3295	2992	3004	3167	3040	3038	3723	3999	4682
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5294	5253	4354	3893	3680	3587	3619	3505	3590	3848	4840	**5432**
5423	5166	4408	3852	3536	3639	3853	3754	4047	4729	5031	**5814**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5835	5828	5135	4378	4162	4012	3937	3981	4290	4615	5390	**5949**
5815	5563	5214	4239	4086	3999	4231	3949	4301	5467	5590	**6222**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
19:00	20:00	20:00	22:00	22:00	23:00	22:00	22:00	21:00	20:00	19:00	**20:00**
20:00	20:00	20:00	22:00	22:00	23:00	23:00	21:00	20:00	20:00	20:00	**19:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6243	5956	5001	4261	4099	4152	4136	4324	4481	4697	5733	**6371**
6272	6390	5581	4767	4539	4684	4745	4427	4859	5327	6044	**6858**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] The values of production and consumption are gross values

Switzerland

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	23486
			2004	25432
			2005	22020
Thermal conventional net production	GWh	Σ	1995	1275
			2004	2974
			2005	2207
Hydraulic net production	GWh	Σ	1995	35597
			2004	35117
			2005	32759
Other renewable net production [1]	GWh	Σ	2005	932
- of which wind	GWh	Σ	2005	6
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	60358
			2004 [3]	63523
			2005 [3]	57918
Physical import	GWh	Σ	1995	18113
			2004	26083
			2005	37298
Physical export	GWh	Σ	1995	25143
			2004	25314
			2005	29828
Total physical import/export balance [2]	GWh	Σ	1995	-7271
			2004	-703
			2005	7760
Consumption of pumps	GWh	Σ	1995	1520
			2004	2433
			2005	2631
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	51567
			2004	60387
			2005	63047
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	6802
			2004	7491
			2005	7741
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	8594
			2004	9431
			2005	9724
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	8594
			2004	9548
			2005	9724
Time of maximum load on the 3rd Wednesday		CET	1995	11:00
			2004	18:00
			2005	11:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	10435
			2004	12228
			2005	11032

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2294	2063	2277	1938	1945	1528	1539	1250	1881	2259	2223	2289
2413	2252	2401	2316	2249	1554	2212	1331	1652	2311	2329	2412
2414	2179	2292	1480	1246	754	1334	1051	2102	2406	2336	2426
140	138	137	78	75	66	72	74	81	106	138	170
270	261	269	236	237	238	235	224	235	244	250	275
199	195	183	171	174	173	180	179	170	187	186	210
2883	2425	2701	2472	3477	3761	4223	3541	3026	2353	2371	2364
2426	2102	2585	2093	3126	4034	4003	3753	3167	2622	2751	2455
2370	2753	2606	2506	3242	3751	3339	3134	2807	2157	2144	1950
84	82	78	72	73	73	76	75	72	79	79	89
1	1	1	0	0	0	0	0	0	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0
5317	4626	5115	4488	5497	5355	5834	4865	4988	4718	4732	4823
5109	4615	5255	4645	5612	5826	6450	5308	5054	5177	5330	5142
5067	5209	5159	4229	4735	4751	4929	4439	5151	4829	4745	4675
1878	1544	1699	1515	1105	933	841	1215	1492	1659	1962	2270
3188	2890	2574	2210	1466	1251	1118	1508	2080	2209	2587	3002
3540	3223	3342	3530	2856	2710	2815	2754	2379	3234	3254	3661
1982	1796	2002	1863	2420	2179	2561	2014	2255	2031	1921	2119
2253	1990	2101	1839	2046	2088	2578	1832	2159	2034	2274	2120
2544	2795	2757	2558	2663	2361	2652	2163	2352	2613	2302	2068
-131	-222	-270	-356	-1356	-1279	-1751	-863	-820	-405	3	179
786	808	354	251	-720	-984	-1641	-460	-174	63	211	803
1006	437	598	986	349	360	175	603	39	641	963	1603
28	25	31	87	140	194	373	246	138	114	53	91
122	90	69	120	246	308	363	338	235	216	158	168
69	53	145	150	258	329	401	319	274	249	176	208
5158	4379	4814	4045	4001	3882	3710	3756	4030	4199	4682	4911
5773	5333	5540	4776	4646	4534	4446	4510	4645	5024	5383	5777
6004	5593	5612	5065	4826	4782	4703	4723	4916	5221	5532	6070
6802	6070	5867	5144	4754	4389	3981	4018	4431	4649	5387	6393
7351	7035	6424	5892	5352	5295	5003	5057	5327	6065	7193	**7491**
7365	**7741**	6730	6249	5469	5360	5111	5101	5751	5960	6494	7627
8594	8139	8015	7282	7507	7432	6393	6910	7568	7270	7783	7919
9336	9037	8555	8187	8083	8490	7849	8276	8493	8734	9089	**9431**
9514	9524	9076	8880	8551	8475	7827	7893	8609	8981	9035	**9724**
8594	8142	8015	7282	7507	7432	6393	6910	7568	7270	7783	8108
9342	9043	8555	8187	8083	8490	7849	8276	8493	8734	9089	**9548**
9514	9535	9076	8880	8617	8475	7827	7893	8609	8981	9116	**9724**
11:00	10:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	10:00
10:00	10:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	**18:00**
11:00	10:00	11:00	11:00	10:00	11:00	11:00	11:00	11:00	11:00	17:00	**11:00**
10217	10131	10145	9242	**10435**	10062	10106	8683	8486	8657	8704	9472
9497	9573	9529	9156	10582	11040	**12228**	10173	10353	9384	9089	10689
11032	11003	9084	8884	10064	9741	9383	7924	10528	9705	9930	9728

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

Switzerland | GWh

MM_YY	CH→AT	CH→DE	CH→FR	CH→IT	UCTE_EXP	Total_EXP	AT→CH	DE→CH	FR→CH	IT→CH	UCTE_IMP	Total_IMP	CH_UCTE	CH_Total
	Export (-)						Import (+)						Balance	
I.95	73	391	41	1477	1982	1982	103	832	943	0	1878	1878	-104	-104
II.95	31	335	34	1396	1796	1796	110	603	831	0	1544	1544	-252	-252
III.95	48	431	30	1493	2002	2002	89	673	937	0	1699	1699	-303	-303
IV.95	7	458	5	1393	1863	1863	174	590	751	0	1515	1515	-348	-348
V.95	12	696	5	1707	2420	2420	168	283	653	1	1105	1105	-1315	-1315
VI.95	25	526	8	1620	2179	2179	141	298	494	0	933	933	-1246	-1246
VII.95	35	669	34	1823	2561	2561	103	284	453	1	841	841	-1720	-1720
VIII.95	14	630	39	1331	2014	2014	217	413	585	0	1215	1215	-799	-799
IX.95	10	410	31	1804	2255	2255	229	540	723	0	1492	1492	-763	-763
X.95	30	369	5	1627	2031	2031	176	556	924	3	1659	1659	-372	-372
XI.95	5	335	24	1557	1921	1921	200	808	949	5	1962	1962	41	41
XII.95	1	286	130	1702	2119	2119	263	1134	873	0	2270	2270	151	151
1995	**291**	**5536**	**386**	**18930**	**25143**	**25143**	**1973**	**7014**	**9116**	**10**	**18113**	**18113**	**-7030**	**-7030**
I.04	2	81	126	2044	2253	2253	445	1482	1261	0	3188	3188	935	935
II.04	0	72	125	1793	1990	1990	537	1318	1035	0	2890	2890	900	900
III.04	1	172	100	1828	2101	2101	518	1067	989	0	2574	2574	473	473
IV.04	3	146	82	1608	1839	1839	469	831	910	0	2210	2210	371	371
V.04	37	473	43	1493	2046	2046	276	455	734	1	1466	1466	-580	-580
VI.04	23	328	286	1451	2088	2088	315	449	484	3	1251	1251	-837	-837
VII.04	101	390	421	1666	2578	2578	181	485	452	0	1118	1118	-1460	-1460
VIII.04	59	389	234	1150	1832	1832	177	671	655	5	1508	1508	-324	-324
IX.04	13	258	231	1657	2159	2159	311	1035	734	0	2080	2080	-79	-79
X.04	38	219	227	1550	2034	2034	283	1031	892	3	2209	2209	175	175
XI.04	31	165	216	1862	2274	2274	379	1413	793	2	2587	2587	313	313
XII.04	1	93	213	1813	2120	2120	528	1593	881	0	3002	3002	882	882
2004	**309**	**2786**	**2304**	**19915**	**25314**	**25314**	**4419**	**11830**	**9820**	**14**	**26083**	**26083**	**769**	**769**
I.05	12	34	255	2243	2544	2544	725	1864	951	0	3540	3540	996	996
II.05	0	38	327	2430	2795	2795	821	1797	605	0	3223	3223	428	428
III.05	0	68	268	2421	2757	2757	905	1650	787	0	3342	3342	585	585
IV.05	0	75	129	2354	2558	2558	899	1811	820	0	3530	3530	972	972
V.05	147	150	82	2284	2663	2663	752	1184	914	6	2856	2856	193	193
VI.05	0	104	237	2020	2361	2361	764	1135	804	7	2710	2710	349	349
VII.05	0	186	327	2139	2652	2652	730	1487	591	7	2815	2815	163	163
VIII.05	34	286	90	1753	2163	2163	516	1424	807	7	2754	2754	591	591
IX.05	4	218	179	1951	2352	2352	606	1014	751	8	2379	2379	27	27
X.05	0	155	80	2378	2613	2613	856	1313	1059	6	3234	3234	621	621
XI.05	14	145	186	1957	2302	2302	637	1523	1078	16	3254	3254	952	952
XII.05	0	114	477	1477	2068	2068	908	1872	807	74	3661	3661	1593	1593
2005	**211**	**1573**	**2637**	**25407**	**29828**	**29828**	**9119**	**18074**	**9974**	**131**	**37298**	**37298**	**7470**	**7470**

[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".

Physical exchanges in interconnected operation [1]

Serbia & Montenegro | GWh

MM_YY	CS→BA	CS→BG	CS→HR	CS→HU	CS→MK	CS→RO	CS→AL	UCTE_EXP	Total_EXP	BA→CS	BG→CS	HR→CS	HU→CS	MK→CS	RO→CS	AL→CS	UCTE_IMP	Total_IMP	CS_UCTE	CS_Total
	Export (-)									Import (+)									Balance	
I.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	0	17
II.95	0	0	0	0	0	2	0	0	2	0	0	0	0	0	10	0	0	10	0	8
III.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11	0	11
IV.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
VI.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VII.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII.95	0	2	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	-3
IX.95	0	1	0	0	0	1	27	0	29	0	1	0	0	0	4	2	0	7	0	-22
X.95	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	2
XI.95	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	3	0	3
XII.95	0	0	0	0	0	0	0	0	0	0	102	0	61	0	20	6	0	189	0	189
1995	**0**	**3**	**0**	**0**	**0**	**4**	**27**	**0**	**34**	**0**	**103**	**0**	**64**	**0**	**64**	**9**	**0**	**240**	**0**	**206**
I.04	82	0	32	0	163	0	19	277	296	235	285	0	0	0	254	5	774	779	497	483
II.04	60	0	26	0	168	0	43	254	297	201	205	0	0	0	186	0	592	592	338	295
III.04	104	1	25	0	145	0	16	275	291	226	115	0	0	0	139	21	480	501	205	210
IV.04	88	2	20	0	189	2	16	301	317	171	149	0	0	0	109	24	429	453	128	136
V.04	93	3	18	0	181	8	16	303	319	142	107	0	0	0	51	26	300	326	-3	7
VI.04	67	2	19	0	143	5	13	236	249	131	64	0	0	0	69	6	264	270	28	21
VII.04	61	0	19	0	152	2	13	234	247	76	111	0	2	0	138	1	327	328	93	81
VIII.04	15	0	11	0	143	0	21	169	190	47	142	0	1	0	171	0	361	361	192	171
IX.04	14	0	12	0	120	0	40	146	186	11	144	0	1	0	196	0	352	352	206	166
X.04	31	0	218	0	146	5	69	400	469	111	200	0	83	0	190	0	584	584	184	115
XI.04	48	0	335	0	128	0	55	511	566	74	241	1	129	0	239	0	684	684	173	118
XII.04	68	0	305	0	229	0	1	602	603	74	238	0	178	0	272	68	762	830	160	227
2004	**731**	**8**	**1040**	**0**	**1907**	**22**	**322**	**3708**	**4030**	**1499**	**2001**	**1**	**394**	**0**	**2014**	**151**	**5909**	**6060**	**2201**	**2030**
I.05	82	0	377	0	234	0	7	693	700	93	262	0	175	0	280	78	810	888	117	188
II.05	100	0	371	0	164	0	0	635	635	45	327	0	198	0	304	112	874	986	239	351
III.05	80	0	380	2	129	0	1	591	592	67	283	0	90	0	241	102	681	783	90	191
IV.05	51	0	318	6	124	0	7	499	506	54	218	0	100	0	187	63	559	622	60	116
V.05	59	0	265	0	212	8	2	544	546	42	229	0	129	0	51	77	451	528	-93	-18
VI.05	133	0	300	0	171	2	7	606	613	20	210	0	140	0	98	61	468	529	-138	-84
VII.05	44	0	299	0	200	13	18	556	574	77	205	1	132	0	115	44	530	574	-26	0
VIII.05	34	0	284	0	177	7	8	502	510	142	89	0	181	0	138	25	550	575	48	65
IX.05	72	0	328	3	133	0	12	536	548	59	116	0	99	1	164	55	439	494	-97	-54
X.05	70	4	374	3	78	3	26	532	558	100	154	0	90	0	213	48	557	605	25	47
XI.05	123	0	440	2	182	0	39	747	786	86	312	0	124	0	348	31	870	901	123	115
XII.05	63	0	402	0	186	0	66	651	717	108	355	1	235	0	364	15	1063	1078	412	361
2005	**911**	**4**	**4138**	**16**	**1990**	**33**	**193**	**7092**	**7285**	**893**	**2760**	**2**	**1693**	**1**	**2503**	**711**	**7852**	**8563**	**760**	**1278**

[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".

Serbia & Montenegro

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	25300
			2005	27468
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	13365
			2005	13879
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	40278
			2005 [3]	41347
Physical import	GWh	Σ	1995	n.a.
			2004	6060
			2005	8563
Physical export	GWh	Σ	1995	n.a.
			2004	4033
			2005	7285
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	1993
			2005	1247
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	778
			2005	962
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	41493
			2005	41632
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	5597
			2005	5308
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	6850
			2005	6734
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	7153
			2005	7126
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	19:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	6181
			2005	6401

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

Serbia & Montenegro

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2870	2470	2179	1570	1471	1458	1850	1990	2075	2320	2497	2550
2891	2655	2622	1944	1574	1687	1876	1939	2087	2444	2868	2881
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1087	1199	1513	1518	1482	1194	834	608	532	775	1093	1530
1266	1215	1361	1311	1481	1175	991	929	911	981	983	1275
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4122	3822	3846	3217	3076	2763	2796	2706	2716	3224	3740	4250
4157	3870	3983	3255	3055	2862	2867	2868	2998	3425	3851	4156
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
779	592	501	453	326	270	328	361	352	584	684	830
888	986	783	622	528	529	574	575	494	605	901	1078
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
296	297	291	317	319	252	247	190	186	469	566	603
700	635	592	506	546	613	574	510	548	558	786	717
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
482	294	209	135	1	37	68	146	166	114	116	225
186	350	191	114	-19	-88	0	57	-56	38	114	360
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
89	19	113	122	83	20	38	63	44	65	48	74
60	73	111	142	124	12	57	109	92	48	34	100
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4515	4097	3942	3230	2994	2780	2826	2789	2838	3273	3808	4401
4283	4147	4063	3227	2912	2762	2810	2816	2850	3415	3931	4416
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5164	**5597**	4356	3765	3339	3055	3286	3115	3035	3478	4843	5539
5151	5078	4484	3487	2862	2852	2889	2825	2925	3968	4408	**5308**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6515	6573	5142	5026	4664	4259	4302	4220	4434	4910	5979	**6850**
6287	6616	5578	5066	4336	4206	4181	4249	4573	5488	5652	**6734**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6755	6954	5813	5615	5220	4819	4695	4876	5033	5627	6535	**7153**
6894	7010	6275	5541	4799	4885	4665	4574	5112	6222	6058	**7126**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
21:00	21:00	21:00	22:00	23:00	23:00	23:00	22:00	22:00	21:00	19:00	**19:00**
20:00	20:00	20:00	21:00	22:00	22:00	22:00	21:00	20:00	20:00	19:00	**18:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5384	5651	4164	4635	4294	3970	3945	3885	3959	4361	5373	**6181**
6401	5719	5292	4732	4354	4121	4080	4119	4692	5631	5473	6107

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Czech Republic

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	24817
			2005	23255
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	50567
			2005	49861
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	2517
			2005	3016
Other renewable net production [1]	GWh	Σ	2005	62
- of which wind	GWh	Σ	2005	22
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	77901
			2005 [3]	76194
Physical import	GWh	Σ	1995	n.a.
			2004	9770
			2005	12344
Physical export	GWh	Σ	1995	n.a.
			2004	25489
			2005	24971
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-15717
			2005	-12634
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	733
			2005	867
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	61451
			2005	62693
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	7983
			2005	7943
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	9500
			2005	9339
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	10097
			2005	9576
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	18:00
			2005	13:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	11781
			2005	11399

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2666	1972	1765	1775	1333	1288	2302	2561	2146	2249	2309	2451
2552	2287	2235	1141	1730	1665	2087	1721	1532	2052	2063	2190
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4715	4543	5000	4163	4393	4078	3341	3384	3675	4116	4516	4643
4354	4149	4570	4744	4078	3829	3161	3875	3934	4086	4319	4762
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
159	246	272	306	250	269	159	155	149	158	183	211
250	281	340	327	270	167	255	294	239	219	184	190
5	4	4	4	4	4	4	4	5	8	8	8
3	1	2	1	1	1	2	1	2	3	2	3
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7540	6761	7037	6244	5976	5635	5802	6100	5970	6523	7008	7305
7161	6721	7149	6216	6082	5665	5507	5894	5710	6365	6574	7150
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1086	1057	1053	850	729	508	544	589	787	924	719	924
1215	1124	1110	934	779	762	795	667	888	1213	1450	1407
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2405	2176	2233	2115	1924	1705	2075	2271	2119	2199	2030	2237
2239	2042	2275	2063	1989	1873	1878	1999	1852	2246	2131	2384
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-1319	-1118	-1179	-1265	-1194	-1198	-1529	-1684	-1333	-1275	-1311	-1312
-1024	-917	-1164	-1132	-1211	-1112	-1083	-1332	-971	-1033	-679	-976
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
68	67	62	60	50	36	51	73	70	69	64	63
95	68	69	71	50	35	65	83	85	78	79	89
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6153	5576	5796	4919	4732	4401	4222	4343	4567	5179	5633	5930
6042	5736	5916	5013	4821	4518	4359	4479	4654	5254	5816	6085
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7819	7479	6882	6272	5987	5560	5337	5326	5716	6650	6701	**7983**
7725	**7943**	7366	6092	5928	5721	5404	5490	5859	6655	7048	7525
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9107	8853	7945	7465	7295	7094	6868	7053	7366	8142	7484	**9500**
9166	**9339**	8468	7930	7791	7400	7100	7280	7691	8339	8891	9034
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9585	9088	8338	7634	7472	7297	7121	7200	7535	8578	8292	**10097**
9483	**9576**	8814	8000	8020	7546	7270	7345	7782	8661	9343	9424
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
17:00	13:00	19:00	12:00	13:00	13:00	13:00	12:00	12:00	19:00	18:00	**18:00**
17:00	**13:00**	19:00	13:00	13:00	13:00	13:00	13:00	20:00	19:00	17:00	17:00
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11352	11002	10364	10029	9431	8717	9123	9546	9386	10493	9920	**11781**
11079	**11399**	10545	9863	9606	9624	8659	9138	9103	10495	10662	10846

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

Czech Republic | GWh

MM_YY	CZ→AT	CZ→DE	CZ→PL	CZ→SK	UCTE_EXP	Total_EXP	AT→CZ	DE→CZ	PL→CZ	SK→CZ	UCTE_IMP	Total_IMP	CZ_UCTE	CZ_Total
	Export (-)						Import (+)						Balance	
I.95	284	108	n.a.	n.a.	392	n.a.	0	7	n.a.	n.a.	7	n.a.	-385	n.a.
II.95	197	79	n.a.	n.a.	276	n.a.	0	6	n.a.	n.a.	6	n.a.	-270	n.a.
III.95	311	96	n.a.	n.a.	407	n.a.	0	12	n.a.	n.a.	12	n.a.	-395	n.a.
IV.95	120	83	n.a.	n.a.	203	n.a.	0	14	n.a.	n.a.	14	n.a.	-189	n.a.
V.95	110	214	n.a.	n.a.	324	n.a.	2	10	n.a.	n.a.	12	n.a.	-312	n.a.
VI.95	121	204	n.a.	n.a.	325	n.a.	0	3	n.a.	n.a.	3	n.a.	-322	n.a.
VII.95	134	175	n.a.	n.a.	309	n.a.	0	3	n.a.	n.a.	3	n.a.	-306	n.a.
VIII.95	0	197	n.a.	n.a.	197	n.a.	0	0	n.a.	n.a.	0	n.a.	-197	n.a.
IX.95	69	188	n.a.	n.a.	257	n.a.	7	1	n.a.	n.a.	8	n.a.	-249	n.a.
X.95	148	240	n.a.	n.a.	388	n.a.	0	27	n.a.	n.a.	27	n.a.	-361	n.a.
XI.95	299	353	n.a.	n.a.	652	n.a.	0	92	n.a.	n.a.	92	n.a.	-560	n.a.
XII.95	287	330	n.a.	n.a.	617	n.a.	0	96	n.a.	n.a.	96	n.a.	-521	n.a.
1995	**2080**	**2267**	**n.a.**	**n.a.**	**4347**	**n.a.**	**9**	**271**	**n.a.**	**n.a.**	**280**	**n.a.**	**-4067**	**n.a.**
I.04	661	1164	2	578	2405	2405	0	11	1036	39	1086	1086	-1319	-1319
II.04	564	1055	3	554	2176	2176	0	4	1012	41	1057	1057	-1119	-1119
III.04	443	1237	2	551	2233	2233	1	0	1013	39	1053	1053	-1180	-1180
IV.04	533	1035	6	541	2115	2115	0	4	815	31	850	850	-1265	-1265
V.04	183	1326	6	409	1924	1924	0	0	664	65	729	729	-1195	-1195
VI.04	268	1190	12	235	1705	1705	8	1	447	52	508	508	-1197	-1197
VII.04	482	1069	14	510	2075	2075	0	0	510	34	544	544	-1531	-1531
VIII.04	655	1027	9	580	2271	2271	0	0	551	38	589	589	-1682	-1682
IX.04	588	932	6	593	2119	2119	0	42	742	3	787	787	-1332	-1332
X.04	626	1006	9	558	2199	2199	0	6	897	21	924	924	-1275	-1275
XI.04	541	1081	3	405	2030	2030	0	25	641	53	719	719	-1311	-1311
XII.04	704	994	8	531	2237	2237	0	51	826	47	924	924	-1313	-1313
2004	**6248**	**13116**	**80**	**6045**	**25489**	**25489**	**9**	**144**	**9154**	**463**	**9770**	**9770**	**-15719**	**-15719**
I.05	755	935	2	547	2239	2239	0	69	1091	55	1215	1215	-1024	-1024
II.05	554	976	2	510	2042	2042	0	51	1024	49	1124	1124	-918	-918
III.05	501	1232	4	538	2275	2275	1	28	1046	35	1110	1110	-1165	-1165
IV.05	510	1093	3	457	2063	2063	0	4	887	43	934	934	-1129	-1129
V.05	376	1130	10	473	1989	1989	1	0	768	10	779	779	-1210	-1210
VI.05	313	1138	8	414	1873	1873	3	0	710	49	762	762	-1111	-1111
VII.05	260	1100	10	508	1878	1878	0	20	720	55	795	795	-1083	-1083
VIII.05	494	1116	14	375	1999	1999	3	0	552	112	667	667	-1332	-1332
IX.05	481	1007	4	360	1852	1852	2	6	801	79	888	888	-964	-964
X.05	621	1147	4	474	2246	2246	1	26	1097	89	1213	1213	-1033	-1033
XI.05	583	1017	1	530	2131	2131	0	92	1253	105	1450	1450	-681	-681
XII.05	666	1131	1	586	2384	2384	1	109	1216	81	1407	1407	-977	-977
2005	**6114**	**13022**	**63**	**5772**	**24971**	**24971**	**12**	**405**	**11165**	**762**	**12344**	**12344**	**-12627**	**-12627**

[1] These physical energy flows were measured on all cross-frontier transmission lines . These values may differ from the official statistics and the total physical balance in the table "Monthly values: Operation".

Physical exchanges in interconnected operation [1]

Germany | GWh

MM_YY	DE→AT	DE→CH	DE→CZ	DE→FR	DE→LU	DE→NL	DE→PL	DE→DK_W	DE→DK_E [2]	DE→SE	UCTE_EXP	Total_EXP	AT→DE	CH→DE	CZ→DE	FR→DE	LU→DE	NL→DE	PL→DE	DK_W→DE	DK_E [2]→DE	SE→DE	UCTE_IMP	Total_IMP	DE_UCTE	DE_Total
MM_YY	Export (-)												Import (+)												Balance	
I.95	587	832	7	0	371	998	435	n.a.	4	2	2788	3236	297	391	108	1616	51	28	335	n.a.	255	26	2383	3107	-405	-129
II.95	434	603	6	0	318	1021	295	n.a.	3	0	2376	2680	289	335	79	1280	39	29	223	n.a.	263	33	1972	2570	-404	-110
III.95	430	673	12	0	357	985	302	n.a.	4	0	2445	2763	372	431	96	1634	46	27	249	n.a.	355	80	2510	3290	65	527
IV.95	477	590	14	4	341	1000	339	n.a.	5	0	2412	2770	287	458	83	1347	57	15	262	n.a.	292	81	2164	2882	-248	112
V.95	424	283	10	7	348	1011	360	n.a.	4	0	2073	2447	470	696	214	1252	66	27	233	n.a.	410	160	2511	3528	438	1081
VI.95	214	298	3	22	338	1141	289	n.a.	4	0	2013	2309	464	526	204	1134	66	7	163	n.a.	387	174	2197	3125	184	816
VII.95	297	284	3	3	348	1281	308	n.a.	4	0	2213	2528	709	669	175	1166	64	4	154	n.a.	521	155	2612	3617	399	1089
VIII.95	383	413	0	0	336	1201	274	n.a.	5	0	2333	2612	459	630	197	1722	80	0	102	n.a.	430	158	2891	3778	558	1166
IX.95	333	540	1	0	355	1316	343	n.a.	19	0	2544	2907	340	410	188	1609	72	0	170	n.a.	372	90	2431	3251	-113	344
X.95	486	556	27	1	383	1084	336	n.a.	59	1	2510	2933	322	369	240	1485	75	7	183	n.a.	312	105	2258	3098	-252	165
XI.95	593	808	92	2	382	897	244	n.a.	21	7	2682	3046	294	335	353	1448	66	31	91	n.a.	339	34	2174	2991	-508	-55
XII.95	774	1134	96	2	390	902	359	n.a.	4	3	3202	3664	224	286	330	1281	63	35	185	n.a.	408	27	1889	2839	-1313	-825
1995	**5432**	**7014**	**271**	**41**	**4267**	**12837**	**3884**	**n.a.**	**136**	**13**	**29591**	**33895**	**4527**	**5536**	**2267**	**16974**	**745**	**210**	**2350**	**n.a.**	**4344**	**1123**	**27992**	**38076**	**-1599**	**4181**
I.04	1296	1482	11	5	433	1611	338	109	184	133	5176	5602	254	81	1164	1519	71	6	6	394	146	108	3101	3749	-2075	-1853
II.04	1152	1318	4	79	395	1833	346	134	147	123	5127	5531	297	72	1055	746	55	1	2	343	152	83	2228	2806	-2899	-2725
III.04	1000	1067	0	91	420	1883	238	96	128	122	4699	5045	326	172	1237	603	54	15	44	461	196	104	2451	3212	-2248	-1833
IV.04	757	831	4	79	398	1737	149	218	169	144	3955	4486	324	146	1035	845	64	3	87	251	110	65	2504	2930	-1451	-1556
V.04	407	455	0	14	397	1217	221	286	27	148	2711	3172	401	473	1326	1494	60	22	11	261	0	119	3787	4167	1076	995
VI.04	296	449	1	62	396	1054	76	337	61	175	2334	2907	542	328	1190	1416	61	97	114	212	6	82	3748	4048	1414	1141
VII.04	256	485	0	27	412	865	147	161	74	101	2192	2528	674	390	1069	1493	61	81	80	196	166	117	3848	4327	1656	1799
VIII.04	328	671	0	6	385	927	185	304	103	169	2502	3078	427	389	1027	1672	60	197	36	167	5	60	3808	4040	1306	962
IX.04	568	1035	42	4	409	1165	271	182	0	94	3494	3770	333	258	932	1443	65	108	27	346	0	147	3166	3659	-328	-111
X.04	730	1031	6	4	422	1516	363	171	43	81	4072	4367	288	219	1006	1453	64	16	3	445	101	161	3049	3756	-1023	-611
XI.04	892	1413	25	7	420	1548	324	148	103	50	4629	4930	292	165	1081	1544	63	12	32	415	189	63	3189	3856	-1440	-1074
XII.04	1240	1593	51	18	441	2001	500	67	86	106	5844	6103	307	93	994	1254	73	0	8	551	223	161	2729	3664	-3115	-2439
2004	**8922**	**11830**	**144**	**396**	**4928**	**17357**	**3158**	**2213**	**1125**	**1446**	**46735**	**51519**	**4465**	**2786**	**13116**	**15482**	**751**	**558**	**450**	**4042**	**1294**	**1270**	**37608**	**44214**	**-9127**	**-7305**
I.05	1639	1864	69	8	431	2097	361	3	36	61	6469	6569	448	34	935	1009	66	0	3	698	224	288	2495	3705	-3974	-2864
II.05	1475	1797	51	130	405	1969	247	0	10	12	6074	6096	455	38	976	698	63	2	17	734	320	306	2249	3609	-3825	-2487
III.05	1577	1650	28	214	436	2171	204	59	35	67	6280	6441	545	68	1232	770	69	1	46	669	243	199	2731	3842	-3549	-2599
IV.05	1323	1811	4	15	400	2080	142	31	17	38	5775	5861	637	75	1093	1137	60	0	45	641	295	286	3047	4269	-2728	-1592
V.05	1019	1184	0	0	405	1143	99	78	40	70	3850	4038	680	150	1130	2067	67	17	95	522	232	0	4206	4960	356	922
VI.05	1029	1135	0	11	404	1012	41	18	11	18	3632	3679	734	104	1138	1779	61	60	230	554	314	309	4106	5283	474	1604
VII.05	1065	1487	20	5	421	1081	135	2	5	4	4214	4225	753	186	1100	1412	69	61	118	361	342	389	3699	4791	-515	566
VIII.05	858	1424	0	14	389	959	89	78	43	58	3733	3912	704	286	1116	2364	64	72	167	410	259	232	4773	5674	1040	1762
IX.05	985	1014	6	1	412	942	66	12	4	9	3426	3451	533	218	1007	1735	56	103	219	537	155	279	3871	4842	445	1391
X.05	1277	1313	26	16	433	1615	241	33	17	40	4921	5011	497	155	1147	1219	66	4	69	481	304	269	3157	4211	-1764	-800
XI.05	1343	1523	92	33	445	1890	240	8	3	15	5566	5592	514	145	1017	1281	72	3	27	740	332	300	3059	4431	-2507	-1161
XII.05	1781	1872	109	47	452	2301	401	17	23	44	6963	7047	495	114	1131	762	72	2	10	736	280	243	2586	3845	-4377	-3202
2005	**15371**	**18074**	**405**	**494**	**5033**	**19260**	**2266**	**339**	**244**	**436**	**60903**	**61922**	**6995**	**1573**	**13022**	**16233**	**785**	**325**	**1046**	**7083**	**3300**	**3100**	**39979**	**53462**	**-20924**	**-8460**

[1] These physical energy flows were measured on all cross-frontier transmission lines . These values may differ from the official statistics and the total physical balance in the table "Monthly values: Operation".

[2] Physical exchanges of the year 1995 with the whole Denmark

Germany

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	145115
			2004	158380
			2005	154531
Thermal conventional net production	GWh	Σ	1995	250124
			2004	387479
			2005	357573
Hydraulic net production	GWh	Σ	1995	20250
			2004	23430
			2005	23586
Other renewable net production [1]	GWh	Σ	2005	38382
- of which wind	GWh	Σ	2005	28881
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995 [3]	483127
			2004 [3]	569289
			2005 [3]	574072
Physical import	GWh	Σ	1995	38076
			2004	44214
			2005	53462
Physical export	GWh	Σ	1995	33895
			2004	51519
			2005	61923
Total physical import/export balance [2]	GWh	Σ	1995	4674
			2004	-7306
			2005	-8475
Consumption of pumps	GWh	Σ	1995	5659
			2004	9310
			2005	9226
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	482142
			2004	552673
			2005	556371
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	55023
			2004	61868
			2005	58901
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	77137
			2004	79670
			2005	79670
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	77320
			2004	81648
			2005	82527
Time of maximum load on the 3rd Wednesday		CET	1995	12:00
			2004	18:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	79450
			2004	79700
			2005	79700

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
14351	12313	11628	11450	9638	10722	10497	11438	11814	13037	13909	14318
15193	13933	13973	13927	11830	11195	11904	11461	11384	13706	14587	15287
15072	13483	14728	13244	11350	10822	11423	11848	12357	13422	12749	14033
22520	19354	22609	18092	18774	16446	16380	15634	22002	23555	26370	28388
36514	34971	36416	30216	29133	28464	28437	28649	30789	32689	34640	36561
31026	32703	32636	29486	26930	27703	28033	25710	25755	29174	33481	34936
1443	1513	1715	1892	2023	1905	1832	1587	1862	1478	1455	1545
1877	1818	1851	1974	2100	2270	2202	2012	1814	1919	1833	1760
1835	1744	2030	2203	2470	2105	2189	2111	1868	1778	1546	1707
6574	3995	3425	2443	2326	2093	2404	2398	2479	3253	3218	3774
5907	3328	2758	1732	1615	1398	1525	1519	1601	2337	2302	2859
0	0	0	0	0	0	0	0	0	0	0	0
44551	38581	41805	36551	35390	33806	33383	33324	41486	44267	48528	51455
53584	50722	52240	46117	43063	41929	42543	42122	43987	48314	51060	53608
54507	51925	52819	47376	43076	42723	44049	42067	42459	47627	50994	54450
3107	2570	3290	2882	3528	3125	3617	3778	3251	3098	2991	2839
3749	2806	3212	2930	4167	4048	4327	4040	3659	3756	3856	3664
3705	3609	3842	4269	4960	5283	4791	5674	4842	4211	4431	3845
3236	2680	2763	2770	2447	2309	2528	2612	2907	2933	3046	3664
5602	5531	5045	4486	3172	2907	2528	3078	3770	4367	4930	6103
6569	6096	6441	5861	4038	3680	4225	3912	3451	5011	5592	7047
-108	-97	525	277	1195	821	1007	1242	436	205	-16	-813
-1853	-2725	-1833	-1556	995	1141	1799	962	-111	-611	-1075	-2439
-2864	-2487	-2599	-1592	922	1603	566	1762	1391	-800	-1161	-3216
412	368	398	438	510	497	521	485	507	541	497	485
714	685	713	690	767	751	807	850	816	820	826	871
716	672	753	710	758	728	810	819	769	793	770	928
44031	38116	41932	36390	36075	34130	33869	34081	41415	43931	48015	50157
51017	47312	49694	43871	43291	42319	43535	42234	43060	46883	49159	50298
50927	48766	49467	45074	43240	43598	43805	43010	43081	46034	49063	50306
49344	44615	47658	41931	37167	34835	33370	31735	40771	42186	48284	**55023**
60659	54065	49120	48681	48021	43736	44725	44395	43296	52637	53846	**61868**
56813	58461	50879	45934	46813	46263	46593	42527	48351	48351	53406	**58901**
65605	64412	63682	62575	61525	60786	57571	55919	72122	70591	73460	**77137**
77692	77472	73296	74615	73626	73076	73846	71208	74505	76813	79450	**79670**
77692	77472	73296	74615	73626	73076	73846	71208	74505	76813	79450	**79670**
65896	65326	64880	63286	62615	61987	58975	57062	72647	71492	74980	**77320**
80109	79780	75714	75494	74615	75164	75384	72307	75274	78351	80659	**81648**
80329	82527	78351	75384	74945	74505	74945	72967	75714	78791	**82527**	80879
12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	18:00	**12:00**
19:00	19:00	20:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	**18:00**
19:00	19:00	20:00	13:00	13:00	13:00	13:00	13:00	13:00	20:00	**18:00**	18:00
66100	64460	61370	59950	58280	58120	54200	52680	72990	71600	76100	**79450**
77700	77500	73300	74600	73600	73100	73800	71200	74500	76800	79500	**79700**
77700	77500	73300	74600	73600	73100	73800	71200	74500	76800	79500	**79700**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Spain

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	53146
			2004	60836
			2005	54978
Thermal conventional net production	GWh	Σ	1995	76239
			2004	130108
			2005	152481
Hydraulic net production	GWh	Σ	1995	21734
			2004	33899
			2005	22494
Other renewable net production [1]	GWh	Σ	2005	24508
- of which wind	GWh	Σ	2005	17343
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995 [3]	160763
			2004 [3]	239196
			2005 [3]	260467
Physical import	GWh	Σ	1995	7632
			2004	8185
			2005	10201
Physical export	GWh	Σ	1995	2947
			2004	10862
			2005	11124
Total physical import/export balance [2]	GWh	Σ	1995	4489
			2004	-3028
			2005	-1343
Consumption of pumps	GWh	Σ	1995	2082
			2004	4605
			2005	6360
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	163170
			2004	231563
			2005	252764
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	17786
			2004	26639
			2005	27948
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	25887
			2004	36747
			2005	38615
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	27397
			2004	39570
			2005	40972
Time of maximum load on the 3rd Wednesday		CET	1995	20:00
			2004	20:00
			2005	19:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	22848
			2004	36690
			2005	38187

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
5146	4395	4447	4134	4754	4514	4117	4142	3815	4208	4297	5177
5449	5124	4932	5110	4821	5133	5507	5391	4700	4458	5059	5152
5569	4878	4409	3780	3627	3798	3906	4533	5123	4712	5175	5468
5992	4970	5592	5639	5734	5991	7109	6606	7267	6898	6871	7570
9604	10047	11280	9075	9520	10685	12226	11101	11874	11463	11128	12105
13089	12454	12887	11049	11651	13430	14635	12303	12669	12345	12694	13275
2699	2502	3034	1836	1666	1704	1624	1102	936	1002	1222	2407
4043	3566	3411	3245	3606	3035	2386	2013	1801	2026	2618	2149
1941	1828	2131	2396	2607	2243	1775	1421	1167	1188	1709	2088
2187	2022	2116	2256	1836	1547	1915	1942	1590	2163	2262	2672
1873	1700	1677	1783	1388	1140	1167	1210	925	1346	1401	1733
0	0	0	0	0	0	0	0	0	0	0	0
14720	12624	13907	12350	12930	12988	13670	12606	12785	12881	13181	16121
20315	19933	20876	18543	19093	20056	21403	19686	19548	19093	20005	20645
23306	21674	22053	19941	20178	21515	22784	20682	21025	20904	22352	24054
635	571	607	577	607	610	716	724	739	691	599	556
668	589	726	516	630	592	743	483	689	689	779	1081
1371	1094	941	847	970	946	954	696	553	571	480	778
224	177	220	216	220	234	307	313	326	239	193	278
923	829	907	1114	929	901	976	939	725	987	793	839
1015	743	842	755	789	745	899	849	1028	1195	1124	1140
382	376	379	355	379	369	406	390	389	435	380	249
-318	-300	-234	-621	-304	-321	-242	-455	-54	-331	-46	198
296	300	51	69	176	176	32	-175	-495	-663	-690	-420
230	152	150	139	127	127	164	157	174	178	167	317
405	276	339	329	393	426	408	386	388	412	359	484
553	433	493	451	644	635	693	446	520	483	455	554
14872	12848	14136	12566	13182	13230	13912	12839	13000	13138	13394	16053
19592	19357	20303	17593	18396	19309	20753	18845	19106	18350	19600	20359
23049	21541	21611	19559	19710	21056	22123	20061	20010	19758	21207	23080
17786	16911	16984	15396	15452	15942	16676	13911	15051	15159	15844	16447
25893	25450	24774	23504	21610	22465	25019	21937	22767	21941	25569	**26639**
27450	26836	24645	23292	22154	23553	24785	22170	22013	21244	25097	**27948**
25887	23156	23382	21660	21357	22696	23284	19003	21348	20977	21938	23839
35961	35440	33881	32162	31715	32291	35223	29393	33526	31898	35926	**36747**
38452	36950	33941	32389	31512	33054	36115	30025	31395	31324	35520	**38615**
27397	23824	24572	21918	21886	23457	24353	20130	21746	22592	23632	25324
38310	37401	34729	33168	32504	33548	37580	31291	34647	34065	39031	**39570**
39989	39826	35191	33512	31886	34627	39125	32575	33803	33197	37109	**40972**
20:00	20:00	21:00	12:00	13:00	13:00	13:00	13:00	13:00	20:00	20:00	20:00
20:00	20:00	21:00	22:00	13:00	18:00	13:00	13:00	13:00	21:00	20:00	**20:00**
20:00	21:00	21:00	22:00	13:00	13:00	18:00	13:00	22:00	21:00	20:00	**19:00**
22848	20073	20476	20390	20024	21568	22134	18277	19788	19660	20116	21769
36012	35157	32646	31178	30554	31536	35326	29414	32569	32022	**36690**	33455
37220	36032	33232	32224	31142	32032	35225	29694	31353	31387	36205	**38187**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

MM_YY	ES→FR	ES→PT	ES→MA	UCTE_EXP	Total_EXP	FR→ES	PT→ES	MA→ES	UCTE_IMP	Total_IMP	ES_UCTE	ES_Total
	Export (-)					Import (+)					Balance	
I.95	43	181	0	224	224	544	91	0	635	635	411	411
II.95	15	162	0	177	177	484	87	0	571	571	394	394
III.95	18	202	0	220	220	505	102	0	607	607	387	387
IV.95	6	210	0	216	216	462	115	0	577	577	361	361
V.95	16	204	0	220	220	506	101	0	607	607	387	387
VI.95	20	214	0	234	234	496	114	0	610	610	376	376
VII.95	48	259	0	307	307	557	159	0	716	716	409	409
VIII.95	32	281	0	313	313	550	174	0	724	724	411	411
IX.95	29	297	0	326	326	532	207	0	739	739	413	413
X.95	25	214	0	239	239	470	221	0	691	691	452	452
XI.95	44	149	0	193	193	443	156	0	599	599	406	406
XII.95	81	197	0	278	278	341	215	0	556	556	278	278
1995	**377**	**2570**	**0**	**2947**	**2947**	**5890**	**1742**	**0**	**7632**	**7632**	**4685**	**4685**
I.04	99	689	135	788	923	400	268	0	668	668	-120	-255
II.04	84	618	127	702	829	374	215	0	589	589	-113	-240
III.04	119	701	87	820	907	537	188	1	725	726	-95	-181
IV.04	95	850	169	945	1114	402	114	0	516	516	-429	-598
V.04	51	754	124	805	929	486	143	1	629	630	-176	-299
VI.04	42	733	126	775	901	469	118	5	587	592	-188	-309
VII.04	44	805	127	849	976	593	146	4	739	743	-110	-233
VIII.04	66	753	120	819	939	366	115	2	481	483	-338	-456
IX.04	15	625	85	640	725	528	158	3	686	689	46	-36
X.04	67	727	193	794	987	498	190	1	688	689	-106	-298
XI.04	60	595	138	655	793	561	217	1	778	779	123	-14
XII.04	18	673	148	691	839	820	258	0	1078	1078	387	239
2004	**760**	**8523**	**1579**	**9283**	**10862**	**6034**	**2130**	**18**	**8164**	**8182**	**-1119**	**-2680**
I.05	8	942	65	950	1015	948	409	14	1357	1371	407	356
II.05	30	682	31	712	743	741	338	15	1079	1094	367	351
III.05	52	742	48	794	842	645	281	15	926	941	132	99
IV.05	35	683	37	718	755	646	188	13	834	847	116	92
V.05	9	716	64	725	789	803	158	9	961	970	236	181
VI.05	32	677	36	709	745	715	216	15	931	946	222	201
VII.05	77	782	40	859	899	677	267	10	944	954	85	55
VIII.05	30	659	160	689	849	578	117	1	695	696	6	-153
IX.05	56	858	114	914	1028	402	148	3	550	553	-364	-475
X.05	113	931	151	1044	1195	419	150	2	569	571	-475	-624
XI.05	126	894	104	1020	1124	295	181	4	476	480	-544	-644
XII.05	181	911	48	1092	1140	415	353	10	768	778	-324	-362
2005	**749**	**9477**	**898**	**10226**	**11124**	**7284**	**2806**	**111**	**10090**	**10201**	**-136**	**-923**

[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".

Physical exchanges in interconnected operation [1]

France | GWh

MM_YY	FR→BE	FR→CH	FR→DE	FR→ES	FR→IT	FR→GB	UCTE_EXP	Total_EXP	BE→FR	CH→FR	DE→FR	ES→FR	IT→FR	GB→FR	UCTE_IMP	Total_IMP	FR_UCTE	FR_Total
	Export (-)								Import (+)								Balance	
I.95	476	943	1616	544	1690	1471	5269	6740	112	41	0	43	31	0	227	227	-5042	-6513
II.95	379	831	1280	484	1666	1331	4640	5971	89	34	0	15	24	0	162	162	-4478	-5809
III.95	413	937	1634	505	1723	1476	5212	6688	72	30	0	18	22	0	142	142	-5070	-6546
IV.95	464	751	1347	462	1940	1407	4964	6371	171	5	4	6	18	0	204	204	-4760	-6167
V.95	530	653	1252	506	1612	1300	4553	5853	78	5	7	16	15	0	121	121	-4432	-5732
VI.95	457	494	1134	496	1475	1280	4056	5336	57	8	22	20	22	0	129	129	-3927	-5207
VII.95	646	453	1166	557	1457	1454	4279	5733	14	34	3	48	22	0	121	121	-4158	-5612
VIII.95	854	585	1722	550	859	1465	4570	6035	0	39	0	32	24	0	95	95	-4475	-5940
IX.95	473	723	1609	532	1296	1429	4633	6062	4	31	0	29	9	0	73	73	-4560	-5989
X.95	266	924	1485	470	1639	1479	4784	6263	124	5	1	25	18	0	173	173	-4611	-6090
XI.95	441	949	1448	443	1466	1361	4747	6108	140	24	2	44	25	3	235	238	-4512	-5870
XII.95	185	873	1281	341	1215	625	3895	4520	382	130	2	81	35	22	630	652	-3265	-3868
1995	**5584**	**9116**	**16974**	**5890**	**18038**	**16078**	**55602**	**71680**	**1243**	**386**	**41**	**377**	**265**	**25**	**2312**	**2337**	**-53290**	**-69343**
I.04	728	1261	1519	400	1527	954	5435	6389	130	126	5	99	32	78	392	470	-5043	-5919
II.04	518	1035	746	374	1416	661	4089	4750	134	125	79	84	34	92	456	548	-3633	-4202
III.04	505	989	603	537	1635	465	4269	4734	144	100	91	119	33	264	487	751	-3782	-3983
IV.04	561	910	845	402	1479	751	4197	4948	124	82	79	95	37	33	417	450	-3780	-4498
V.04	624	734	1494	486	1353	829	4691	5520	48	43	14	51	38	83	194	277	-4497	-5243
VI.04	870	484	1416	469	1285	948	4524	5472	31	286	62	42	45	39	466	505	-4058	-4967
VII.04	352	452	1493	593	1376	928	4266	5194	144	421	27	44	67	16	703	719	-3563	-4475
VIII.04	856	655	1672	366	1162	896	4711	5607	78	234	6	66	88	7	472	479	-4239	-5128
IX.04	623	734	1443	528	1362	772	4690	5462	99	231	4	15	50	24	399	423	-4291	-5039
X.04	802	892	1453	498	1499	1271	5144	6415	23	227	4	67	19	0	340	340	-4804	-6075
XI.04	683	793	1544	561	1523	925	5104	6029	91	216	7	60	53	117	427	544	-4677	-5485
XII.04	475	881	1254	820	1508	924	4938	5862	133	213	18	18	48	59	430	489	-4508	-5373
2004	**7597**	**9820**	**15482**	**6034**	**17125**	**10324**	**56058**	**66382**	**1179**	**2304**	**396**	**760**	**544**	**812**	**5183**	**5995**	**-50875**	**-60387**
I.05	264	951	1009	948	1424	880	4596	5476	299	255	8	8	90	105	660	765	-3936	-4711
II.05	163	605	698	741	1138	628	3345	3973	442	327	130	30	96	208	1025	1233	-2320	-2740
III.05	416	787	770	645	1278	866	3896	4762	392	268	214	52	57	118	983	1101	-2913	-3661
IV.05	180	820	1137	646	1246	872	4029	4901	253	129	15	35	49	81	481	562	-3548	-4339
V.05	593	914	2067	803	1268	1133	5645	6778	66	82	0	9	50	25	207	232	-5438	-6546
VI.05	916	804	1779	715	1193	798	5407	6205	54	237	11	32	52	55	386	441	-5021	-5764
VII.05	377	591	1412	677	1238	860	4295	5155	194	327	5	77	43	56	646	702	-3649	-4453
VIII.05	1060	807	2364	578	873	1247	5682	6929	73	90	14	30	59	9	266	275	-5416	-6654
IX.05	1135	751	1735	402	1238	713	5261	5974	27	179	1	56	36	91	299	390	-4962	-5584
X.05	716	1059	1219	419	1527	1133	4940	6073	61	80	16	113	21	5	291	296	-4649	-5777
XI.05	627	1078	1281	295	1276	1240	4557	5797	97	186	33	126	50	10	492	502	-4065	-5295
XII.05	308	807	762	415	794	1139	3086	4225	264	477	47	181	99	28	1068	1096	-2018	-3129
2005	**6755**	**9974**	**16233**	**7284**	**14493**	**11509**	**54739**	**66248**	**2222**	**2637**	**494**	**749**	**702**	**791**	**6804**	**7595**	**-47935**	**-58653**

[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".

France

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	358779
			2004	426816
			2005	429978
Thermal conventional net production	GWh	Σ	1995	33929
			2004	55365
			2005	58956
Hydraulic net production	GWh	Σ	1995	73506
			2004	64458
			2005	55983
Other renewable net production [1]	GWh	Σ	2005	4321
- of which wind	GWh	Σ	2005	992
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995 [3]	470923
			2004	546639
			2005	549238
Physical import	GWh	Σ	1995	1952
			2004	5995
			2005	7595
Physical export	GWh	Σ	1995	71680
			2004	66382
			2005	66248
Total physical import/export balance [2]	GWh	Σ	1995	-69550
			2004	-62107
			2005	-60248
Consumption of pumps	GWh	Σ	1995	4231
			2004	7294
			2005	6590
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	397142
			2004	477238
			2005	482400
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	49926
			2004	64420
			2005	66631
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	61815
			2004	77328
			2005	80254
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	64111
			2004	79981
			2005	82319
Time of maximum load on the 3rd Wednesday		CET	1995	19:00
			2004	19:00
			2005	19:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	71474
			2004	83264
			2005	80237

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
36909	30157	32737	29125	26749	25495	26685	27486	26508	29582	32815	34531
41762	36195	36113	33943	32039	30499	32408	30449	33064	37584	39283	43477
42475	36432	36777	33286	33345	32848	32109	33133	33410	35715	38395	42053
3278	1710	3099	2537	2048	2524	2795	2038	3504	2783	4141	3472
6393	6282	7177	4266	3042	3077	2628	2801	3149	3502	6187	6861
6654	7413	7514	4032	2662	2886	3288	1997	3105	3703	7175	8527
7338	6991	7875	6186	7126	6766	6098	4340	5119	6189	4256	5222
7040	6326	6623	5508	6494	6083	4840	4277	3857	4180	4364	4866
4973	5323	5024	5994	6182	4945	4129	3624	3849	3752	3862	4326
414	360	385	326	363	307	372	341	310	339	389	415
101	82	67	69	72	53	74	77	57	103	107	130
0	0	0	0	0	0	0	0	0	0	0	0
48005	39251	44153	38230	36286	35136	35937	34206	35486	38943	41628	43662
55195	48803	49913	43717	41575	39659	39876	37527	40070	45266	49834	55204
54516	49528	49700	43638	42552	40986	39898	39095	40674	43509	49821	55321
227	162	142	204	121	129	121	95	73	173	235	270
470	548	751	450	277	505	719	479	423	340	544	489
765	1233	1101	562	232	441	702	275	390	296	502	1096
6740	5971	6688	6371	5853	5336	5733	6035	6062	6263	6108	4520
6389	4750	4734	4948	5520	5472	5194	5607	5462	6415	6029	5862
5476	3973	4762	4901	6778	6205	5155	6929	5974	6073	5797	4225
-6624	-5296	-6688	-5839	-5802	-5294	-5715	-6019	-6088	-6189	-5971	-4025
-6053	-4356	-4134	-4623	-5391	-5107	-4573	-5276	-5186	-6229	-5645	-5534
-4841	-2895	-3769	-4476	-6677	-5881	-4583	-6766	-5711	-5886	-5447	-3316
370	210	191	217	296	404	370	330	430	548	468	397
732	576	575	545	667	496	581	474	550	822	655	621
573	449	616	511	557	524	501	446	484	719	600	610
41011	33745	37274	32174	30188	29438	29852	27857	28968	32206	35189	39240
48410	43871	45204	38549	35517	34056	34722	31777	34334	38215	43534	49049
49102	46184	45315	38651	35318	34581	34814	31883	34479	36904	43774	51395
49926	43737	45930	42093	40316	36219	37350	30281	34017	34737	41439	49655
57664	58900	49132	49055	41535	41613	41663	36271	40792	46892	56670	**64420**
61106	66353	53702	50922	44358	41757	41718	36416	42039	44754	52724	**66631**
61665	54072	56345	53547	51797	48157	49498	41262	47992	47365	54300	**61815**
71713	68683	59763	59854	54421	55140	55814	48623	55328	61319	69865	**77328**
74000	75133	62636	63587	57594	56034	56355	47835	56197	60085	67049	**80254**
64111	56188	58169	53562	51859	48244	49498	42272	47992	51627	57603	62577
74535	71184	60997	60334	55245	55841	56407	50121	55783	61597	73166	**79981**
76129	79074	64725	64139	57787	56859	56752	49477	56394	60204	72087	**82319**
19:00	19:00	19:00	11:00	11:00	12:00	11:00	13:00	11:00	19:00	19:00	19:00
19:00	19:00	20:00	11:00	13:00	12:00	12:00	13:00	12:00	12:00	19:00	**19:00**
19:00	19:00	11:00	11:00	12:00	12:00	12:00	13:00	12:00	12:00	19:00	**19:00**
71474	63041	65323	60025	59684	54147	56952	49601	55188	56371	63921	65379
81061	75293	67824	66502	62673	60882	61428	54262	60638	70740	75295	**83264**
76909	78960	68784	67421	65183	65727	60329	57184	64459	68150	75426	**80237**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Greece

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	0
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	30949
			2004	44243
			2005	43304
Hydraulic net production	GWh	Σ	1995	3766
			2004	4926
			2005	5583
Other renewable net production [1]	GWh	Σ	2005	1056
- of which wind	GWh	Σ	2005	946
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995 [3]	36543
			2004 [3]	49169
			2005 [3]	49943
Physical import	GWh	Σ	1995	123
			2004	4862
			2005	5632
Physical export	GWh	Σ	1995	27
			2004	2043
			2005	1838
Total physical import/export balance [2]	GWh	Σ	1995	799
			2004	2818
			2005	3781
Consumption of pumps	GWh	Σ	1995	363
			2004	766
			2005	848
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	36979
			2004	51221
			2005	52876
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	5164
			2004	5538
			2005	5993
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	6481
			2004	8347
			2005	8838
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	6798
			2004	8507
			2005	9140
Time of maximum load on the 3rd Wednesday		CET	1995	20:00
			2004	13:00
			2005	13:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	5698
			2004	7432
			2005	7844

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
2577	2489	2576	2326	2381	2398	2795	2803	2568	2561	2640	2835
3884	3550	3570	3349	3229	3510	4225	3936	3682	3573	3641	4094
3921	3407	3369	3175	3291	3586	4283	3909	3542	3412	3568	3841
609	242	315	248	237	414	454	277	168	205	340	257
427	479	518	357	458	402	490	380	342	315	430	328
371	480	802	564	517	404	454	456	307	323	402	503
84	97	78	88	69	67	78	74	64	117	107	133
74	88	68	77	59	59	70	66	56	108	99	122
0	0	0	0	0	0	0	0	0	0	0	0
3354	2875	3043	2709	2756	2960	3420	3242	2880	2912	3137	3255
4311	4029	4088	3706	3687	3912	4715	4316	4024	3888	4071	4422
4376	3984	4249	3827	3877	4057	4815	4439	3913	3852	4077	4477
0	0	0	0	0	0	0	0	0	0	0	123
387	388	365	281	360	394	526	515	413	422	397	414
460	448	425	409	307	461	585	527	498	477	525	510
27	0	0	0	0	0	0	0	0	0	0	0
148	286	250	159	161	30	23	35	236	285	261	169
214	193	377	198	39	66	72	77	106	123	161	212
-88	-17	9	46	152	251	24	18	84	111	99	110
240	102	114	122	199	365	502	479	176	136	137	246
246	255	46	210	268	394	511	448	390	352	364	297
27	28	31	35	27	21	26	29	36	38	28	37
67	57	49	65	48	57	60	69	71	56	71	96
77	42	23	50	71	72	80	74	89	95	91	84
3239	2830	3021	2720	2881	3190	3418	3231	2928	2985	3208	3328
4484	4074	4153	3763	3838	4220	5157	4726	4129	3968	4137	4572
4545	4197	4272	3987	4074	4379	5246	4813	4214	4109	4350	4690
5164	4770	4941	3466	2965	3563	3761	3160	3235	3356	3855	4103
4449	4882	4321	4052	3830	4523	**5538**	4668	4214	3858	4185	5029
4881	4674	4401	4048	4287	4430	**5993**	5161	4239	4214	4484	5466
6481	5964	6354	4545	4763	5515	5644	4711	5015	4831	4947	5391
6767	7400	6228	6456	6240	7559	**8347**	7184	6871	6337	6573	7524
7288	6948	6341	6303	7052	7222	**8838**	7480	6808	6680	6926	7670
6798	6284	6417	5045	4988	5786	5833	5090	5280	5196	5325	5762
7080	7667	6818	6696	6636	7712	**8507**	7313	7363	6698	7171	8122
7687	7333	6967	6805	7205	7340	**9140**	7599	7193	7429	7502	8596
20:00	20:00	12:00	22:00	22:00	13:00	13:00	13:00	21:00	20:00	19:00	20:00
19:00	19:00	19:00	21:00	21:00	12:00	**13:00**	12:00	20:00	19:00	19:00	19:00
19:00	19:00	19:00	21:00	21:00	12:00	**13:00**	12:00	20:00	20:00	19:00	19:00
5473	4926	5297	4992	4806	5628	**5698**	4670	5026	4868	4917	5384
6294	7222	6043	6044	5944	7081	**7432**	6312	6624	6130	6363	7342
6788	6465	6317	5779	6457	6679	**7844**	6892	6311	6263	6440	7277

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

MM_YY	GR→BG	GR→IT	GR→MK	GR→AL	UCTE_EXP	Total_EXP	BG→GR	IT→GR	MK→GR	AL→GR	UCTE_IMP	Total_IMP	GR_UCTE	GR_Total
	Export (-)						Import (+)						Balance	
I.95	0	0	62	34	62	96	3	0	3	2	3	8	-59	-88
II.95	0	0	11	32	11	43	0	0	21	4	21	25	10	-18
III.95	3	0	14	36	14	53	41	0	16	5	16	62	2	9
IV.95	0	0	19	28	19	47	74	0	14	5	14	93	-5	46
V.95	0	0	8	11	8	19	93	0	51	27	51	171	43	152
VI.95	0	0	4	14	4	18	106	0	86	77	86	269	82	251
VII.95	0	0	12	20	12	32	0	0	48	8	48	56	36	24
VIII.95	0	0	11	15	11	26	0	0	18	23	18	41	7	15
IX.95	6	0	5	17	5	28	20	0	55	37	55	112	50	84
X.95	0	0	3	47	3	50	87	0	71	3	71	161	68	111
XI.95	0	0	8	62	8	70	103	0	60	5	60	168	52	98
XII.95	0	0	37	75	37	112	122	0	99	1	99	222	62	110
1995	**9**	**0**	**194**	**391**	**194**	**594**	**649**	**0**	**542**	**197**	**542**	**1388**	**348**	**794**
I.04	0	56	51	41	107	148	365	0	12	10	377	387	270	239
II.04	0	190	6	90	196	286	335	0	51	2	386	388	190	102
III.04	0	220	8	22	228	250	277	0	60	28	337	365	109	115
IV.04	0	146	1	12	147	159	100	0	157	24	257	281	110	122
V.04	0	149	5	7	154	161	189	0	118	53	307	360	153	199
VI.04	0	26	1	3	27	30	266	0	79	49	345	394	318	364
VII.04	1	0	2	20	3	23	323	107	71	25	501	526	498	503
VIII.04	0	0	3	32	3	35	363	82	58	12	503	515	500	480
IX.04	0	154	11	71	165	236	363	1	49	0	413	413	248	177
X.04	0	195	2	88	197	285	341	0	81	0	422	422	225	137
XI.04	0	192	8	61	200	261	348	1	46	2	395	397	195	136
XII.04	0	96	4	69	100	169	363	0	51	0	414	414	314	245
2004	**1**	**1424**	**102**	**516**	**1527**	**2043**	**3633**	**191**	**833**	**205**	**4657**	**4862**	**3130**	**2819**
I.05	0	119	4	91	123	214	408	0	52	0	460	460	337	246
II.05	0	72	15	106	87	193	411	0	37	0	448	448	361	255
III.05	0	285	16	76	301	377	375	0	50	0	425	425	124	48
IV.05	0	158	0	40	158	198	319	0	90	0	409	409	251	211
V.05	0	20	1	18	21	39	211	2	82	12	295	307	274	268
VI.05	0	0	11	55	11	66	377	21	60	3	458	461	447	395
VII.05	0	0	2	70	2	72	436	74	75	0	585	585	583	513
VIII.05	0	0	6	71	6	77	395	69	63	0	527	527	521	450
IX.05	0	27	0	79	27	106	367	38	93	0	498	498	471	392
X.05	0	2	2	119	4	123	373	27	77	0	477	477	473	354
XI.05	0	28	2	131	30	161	431	13	81	0	525	525	495	364
XII.05	0	0	12	200	12	212	450	24	36	0	510	510	498	298
2005	**0**	**711**	**71**	**1056**	**782**	**1838**	**4553**	**268**	**796**	**15**	**5617**	**5632**	**4835**	**3794**

[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".

Physical exchanges in interconnected operation [1]

MM_YY	HR→BA	HR→CS	HR→HU	HR→SI	UCTE_EXP	Total_EXP	BA→HR	CS→HR	HU→HR	SI→HR	UCTE_IMP	Total_IMP	HR_UCTE	HR_Total
	Export (-)						Import (+)						Balance	
I.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.95	0	0	1	0	0	1	0	0	0	0	0	0	0	-1
VII.95	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII.95	0	0	0	0	0	0	0	0	5	0	0	5	0	5
IX.95	0	0	0	0	0	0	0	0	7	0	0	7	0	7
X.95	0	0	0	0	0	0	0	0	18	0	0	18	0	18
XI.95	0	0	0	0	0	0	0	0	40	0	0	40	0	40
XII.95	0	0	0	0	0	0	0	0	40	0	0	40	0	40
1995	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**110**	**0**	**0**	**110**	**0**	**109**
I.04	80	0	0	361	441	441	140	32	549	126	847	847	406	406
II.04	58	0	0	442	500	500	167	26	575	96	864	864	364	364
III.04	65	0	0	363	428	428	207	25	483	35	750	750	322	322
IV.04	88	0	0	539	627	627	144	20	364	271	799	799	172	172
V.04	61	0	0	363	424	424	162	18	163	245	588	588	164	164
VI.04	42	0	0	384	426	426	92	19	257	234	602	602	176	176
VII.04	61	0	0	388	449	449	97	19	365	248	729	729	280	280
VIII.04	91	0	0	304	395	395	118	11	341	233	703	703	308	308
IX.04	76	0	0	515	591	591	193	12	535	36	776	776	185	185
X.04	102	0	0	484	586	586	242	218	459	116	1035	1035	449	449
XI.04	125	1	0	547	673	673	222	335	467	87	1111	1111	438	438
XII.04	70	0	0	747	817	817	315	305	572	58	1250	1250	433	433
2004	**919**	**1**	**0**	**5437**	**6357**	**6357**	**2099**	**1040**	**5130**	**1785**	**10054**	**10054**	**3697**	**3697**
I.05	107	0	0	768	875	875	275	377	672	22	1346	1346	471	471
II.05	131	0	0	688	819	819	225	371	647	46	1289	1289	470	470
III.05	90	0	0	849	939	939	352	380	601	29	1362	1362	423	423
IV.05	85	0	0	737	822	822	257	318	523	60	1158	1158	336	336
V.05	79	0	0	578	657	657	194	265	432	99	990	990	333	333
VI.05	102	0	0	611	713	713	245	300	520	66	1131	1131	418	418
VII.05	143	1	0	649	793	793	183	299	621	130	1233	1233	440	440
VIII.05	139	0	0	477	616	616	161	284	469	177	1091	1091	475	475
IX.05	74	0	0	582	656	656	238	328	418	140	1124	1124	468	468
X.05	103	0	0	695	798	798	222	374	517	137	1250	1250	452	452
XI.05	163	0	0	581	744	744	184	440	573	140	1337	1337	593	593
XII.05	124	1	0	729	854	854	199	402	696	30	1327	1327	473	473
2005	**1340**	**2**	**0**	**7944**	**9286**	**9286**	**2735**	**4138**	**6689**	**1076**	**14638**	**14638**	**5352**	**5352**

[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".

Croatia

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	5432
			2005	5177
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	7000
			2005	6397
Other renewable net production [1]	GWh	Σ	2005	21
- of which wind	GWh	Σ	2005	11
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	12432
			2005 [3]	11595
Physical import	GWh	Σ	1995	n.a.
			2004	10054
			2005	14638
Physical export	GWh	Σ	1995	n.a.
			2004	6357
			2005	9286
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	3662
			2005	5113
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	134
			2005	151
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	15960
			2005	16557
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1544
			2005	1643
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	2445
			2005	2521
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	2692
			2005	2810
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	19:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	2295
			2005	2183

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
592	577	369	206	245	445	558	617	623	430	385	385
457	585	483	258	313	433	500	451	416	344	514	423
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
568	517	774	877	779	531	462	339	408	407	570	768
684	474	609	687	595	378	404	381	397	537	486	765
2	2	2	2	2	1	1	2	2	1	2	2
1	1	1	1	1	1	0	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1160	1094	1143	1083	1024	976	1020	956	1031	837	955	1153
1143	1061	1094	947	910	812	905	834	815	882	1002	1190
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
847	864	750	799	588	602	729	703	776	1035	1111	1250
1346	1289	1362	1158	990	1131	1233	1091	1124	1250	1337	1327
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
441	500	428	627	424	426	449	395	591	586	673	817
875	819	939	822	657	713	793	616	656	798	744	854
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
407	363	318	171	161	172	279	308	183	441	429	430
459	462	407	330	326	408	432	469	454	448	454	464
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5	9	3	0	6	12	30	15	6	21	12	15
26	23	4	10	10	10	13	20	14	5	10	6
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1562	1448	1458	1254	1179	1136	1269	1249	1208	1257	1372	1568
1576	1500	1497	1267	1226	1210	1324	1283	1255	1325	1446	1648
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1489	**1544**	1347	1267	830	1184	1332	1270	1241	1272	1399	1534
1592	1611	1455	1268	1182	1222	1321	1233	1386	1314	1351	**1643**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2365	2311	1919	1883	1644	1830	2067	1966	1928	1967	2110	**2445**
2521	2499	2114	2054	1955	1914	2062	2005	2087	2092	2118	2507
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2576	2600	2288	2104	1710	1940	2177	2176	2147	2224	2363	**2692**
2684	2692	2434	2197	2024	1987	2221	2177	2279	2443	2443	**2810**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
20:00	20:00	20:00	21:00	13:00	22:00	13:00	21:00	20:00	20:00	19:00	**19:00**
19:00	20:00	20:00	21:00	22:00	22:00	22:00	21:00	20:00	20:00	19:00	**18:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2101	**2295**	2021	1890	1861	1880	2039	1943	1712	1589	1929	2024
1824	1820	1544	1561	1609	1425	1616	1521	1766	1819	1903	**2183**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Hungary

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	11199
			2005	13005
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	19358
			2005	17884
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	196
			2005	200
Other renewable net production [1]	GWh	Σ	2005	1400
- of which wind	GWh	Σ	2005	11
Not clearly identifiable net production [1]	GWh	Σ	2005	600
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	30753
			2005 [3]	33089
Physical import	GWh	Σ	1995	n.a.
			2004	13791
			2005	15635
Physical export	GWh	Σ	1995	n.a.
			2004	6321
			2005	9411
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	7468
			2005	6225
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	38221
			2005	39314
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	4397
			2005	4459
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	5834
			2005	5747
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	6357
			2005	6146
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	17:00
			2005	15:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	4974
			2005	4714

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
989	925	937	586	581	782	953	977	1228	982	1171	1088
981	883	1008	1025	956	1181	1284	1287	1035	984	1065	1316
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1970	1666	1696	1736	1654	1436	1449	1357	1232	1634	1608	1920
1797	1710	1628	1307	1369	1269	1361	1296	1374	1528	1632	1613
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
18	14	9	5	21	23	16	21	18	22	15	14
19	18	12	5	4	15	24	18	22	21	19	23
87	76	91	75	87	119	166	194	152	166	121	66
1	0	1	0	1	0	1	1	1	1	2	2
90	85	82	70	61	22	15	12	15	18	48	82
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2977	2605	2642	2327	2256	2241	2418	2355	2478	2638	2794	3022
2974	2772	2821	2482	2477	2606	2850	2807	2598	2717	2885	3100
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1138	1262	1253	1101	1085	967	1057	1067	1182	1227	1195	1257
1460	1379	1322	1299	1228	1154	1274	1105	1118	1349	1441	1506
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
612	614	548	401	351	274	394	407	611	612	647	850
934	877	743	667	594	679	949	814	578	728	827	1021
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
526	648	705	698	734	693	662	659	572	615	548	408
527	501	579	632	634	475	325	291	540	621	614	486
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3503	3253	3347	3025	2990	2934	3080	3014	3050	3253	3342	3430
3501	3273	3400	3114	3111	3081	3175	3098	3138	3338	3499	3586
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4325	4275	3972	3823	3824	3722	3967	3805	3835	4172	4240	**4397**
4459	4431	3790	3922	3856	3948	3901	3761	3936	4264	4237	4387
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5389	5446	4915	4882	4945	5020	5450	5107	5113	5161	5534	**5834**
5747	5537	5143	5248	5327	5274	5325	5153	5340	5417	5569	5471
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5821	5784	5451	5003	5021	5028	5543	5294	5331	5668	6060	**6357**
6146	5919	5658	5500	5383	5489	5539	5176	5556	5912	6097	6064
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
17:00	19:00	19:00	20:00	11:00	11:00	12:00	21:00	20:00	19:00	17:00	**17:00**
15:00	19:00	19:00	20:00	11:00	12:00	13:00	11:00	20:00	19:00	17:00	17:00
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4314	4257	3751	3759	3699	3875	4345	3873	3944	3997	4340	**4974**
4559	4432	3915	3888	3929	4271	**4714**	4310	4045	4148	4232	4438

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

Hungary | GWh

MM_YY	HU→AT	HU→CS	HU→HR	HU→RO	HU→SK	HU→UA_W	UCTE_EXP	Total_EXP	AT→HU	CS→HU	HR→HU	RO→HU	SK→HU	UA_W→HU	UCTE_IMP	Total_IMP	HU_UCTE	HU_Total
	Export (-)								Import (+)								Balance	
I.95	44	0	0	n.a.	n.a.	n.a.	44	n.a.	18	0	0	n.a.	n.a.	n.a.	18	n.a.	-26	n.a.
II.95	67	0	0	n.a.	n.a.	n.a.	67	n.a.	13	0	0	n.a.	n.a.	n.a.	13	n.a.	-54	n.a.
III.95	21	0	0	n.a.	n.a.	n.a.	21	n.a.	41	0	0	n.a.	n.a.	n.a.	41	n.a.	20	n.a.
IV.95	10	0	0	n.a.	n.a.	n.a.	10	n.a.	34	0	0	n.a.	n.a.	n.a.	34	n.a.	24	n.a.
V.95	9	0	0	n.a.	n.a.	n.a.	9	n.a.	33	0	0	n.a.	n.a.	n.a.	33	n.a.	24	n.a.
VI.95	6	0	0	n.a.	n.a.	n.a.	6	n.a.	63	0	1	n.a.	n.a.	n.a.	64	n.a.	58	n.a.
VII.95	7	0	0	n.a.	n.a.	n.a.	7	n.a.	102	0	0	n.a.	n.a.	n.a.	102	n.a.	95	n.a.
VIII.95	9	0	5	n.a.	n.a.	n.a.	14	n.a.	43	0	0	n.a.	n.a.	n.a.	43	n.a.	29	n.a.
IX.95	15	0	7	n.a.	n.a.	n.a.	22	n.a.	14	0	0	n.a.	n.a.	n.a.	14	n.a.	-8	n.a.
X.95	17	0	18	n.a.	n.a.	n.a.	35	n.a.	78	0	0	n.a.	n.a.	n.a.	78	n.a.	43	n.a.
XI.95	28	0	40	n.a.	n.a.	n.a.	68	n.a.	69	0	0	n.a.	n.a.	n.a.	69	n.a.	1	n.a.
XII.95	37	0	40	n.a.	n.a.	n.a.	77	n.a.	74	0	0	n.a.	n.a.	n.a.	74	n.a.	-3	n.a.
1995	**270**	**0**	**110**	**n.a.**	**n.a.**	**n.a.**	**380**	**n.a.**	**582**	**0**	**1**	**n.a.**	**n.a.**	**n.a.**	**583**	**n.a.**	**203**	**n.a.**
I.04	59	0	549	0	0	4	608	612	23	0	0	0	789	326	812	1138	204	526
II.04	38	0	575	0	0	1	613	614	29	0	0	0	806	427	835	1262	222	648
III.04	50	0	483	0	0	15	533	548	22	0	0	0	814	417	836	1253	303	705
IV.04	37	0	364	0	0	0	401	401	64	0	0	0	670	367	734	1101	333	700
V.04	188	0	163	0	0	0	351	351	21	0	0	0	728	336	749	1085	398	734
VI.04	17	0	257	0	0	0	274	274	102	0	0	0	549	316	651	967	377	693
VII.04	27	2	365	0	0	0	394	394	40	0	0	0	671	346	711	1057	317	663
VIII.04	65	1	341	0	0	0	407	407	34	0	0	0	632	401	666	1067	259	660
IX.04	75	1	535	0	0	0	611	611	49	0	0	0	649	484	698	1182	87	571
X.04	68	83	459	2	0	0	612	612	30	0	0	37	739	421	806	1227	194	615
XI.04	36	129	467	12	0	3	644	647	48	0	0	87	690	370	825	1195	181	548
XII.04	80	178	572	17	0	3	847	850	16	0	0	70	809	362	895	1257	48	407
2004	**740**	**394**	**5130**	**31**	**0**	**26**	**6295**	**6321**	**478**	**0**	**0**	**194**	**8546**	**4573**	**9218**	**13791**	**2923**	**7470**
I.05	59	175	672	28	0	0	934	934	23	0	0	81	918	438	1022	1460	88	526
II.05	24	198	647	8	0	0	877	877	52	0	0	99	822	406	973	1379	96	502
III.05	19	90	601	18	0	15	728	743	67	2	0	82	785	386	936	1322	208	579
IV.05	22	100	523	19	0	3	664	667	165	6	0	45	680	403	896	1299	232	632
V.05	20	129	432	11	0	2	592	594	74	0	0	112	653	389	839	1228	247	634
VI.05	12	140	520	7	0	0	679	679	76	0	0	113	612	353	801	1154	122	475
VII.05	183	132	621	13	0	0	949	949	57	0	0	94	895	228	1046	1274	97	325
VIII.05	153	181	469	6	0	5	809	814	49	0	0	102	581	373	732	1105	-77	291
IX.05	50	99	418	10	0	1	577	578	106	3	0	97	500	412	706	1118	129	540
X.05	103	90	517	18	0	0	728	728	71	3	0	105	744	426	923	1349	195	621
XI.05	126	124	573	4	0	0	827	827	45	2	0	136	749	509	932	1441	105	614
XII.05	86	235	696	4	0	0	1021	1021	24	0	0	124	867	491	1015	1506	-6	485
2005	**857**	**1693**	**6689**	**146**	**0**	**26**	**9385**	**9411**	**809**	**16**	**0**	**1190**	**8806**	**4814**	**10821**	**15635**	**1436**	**6224**

[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".

Physical exchanges in interconnected operation [1]

Italy | **GWh**

MM_YY	IT→AT	IT→CH	IT→FR	IT→GR	IT→SI	UCTE_EXP	Total_EXP	AT→IT	CH→IT	FR→IT	GR→IT	SI→IT	UCTE_IMP	Total_IMP	IT_UCTE	IT_Total
	Export (-)							Import (+)							Balance	
I.95	0	0	31	0	91	122	122	129	1477	1690	0	53	3349	3349	3227	3227
II.95	0	0	24	0	99	123	123	84	1396	1666	0	25	3171	3171	3048	3048
III.95	0	0	22	0	96	118	118	99	1493	1723	0	28	3343	3343	3225	3225
IV.95	0	0	18	0	80	98	98	114	1393	1940	0	36	3483	3483	3385	3385
V.95	0	1	15	0	90	106	106	115	1707	1612	0	58	3492	3492	3386	3386
VI.95	0	0	22	0	41	63	63	120	1620	1475	0	144	3359	3359	3296	3296
VII.95	0	1	22	0	60	83	83	138	1823	1457	0	107	3525	3525	3442	3442
VIII.95	0	0	24	0	78	102	102	48	1331	859	0	34	2272	2272	2170	2170
IX.95	0	0	9	0	62	71	71	107	1804	1296	0	84	3291	3291	3220	3220
X.95	0	3	18	0	110	131	131	104	1627	1639	0	19	3389	3389	3258	3258
XI.95	0	5	25	0	99	129	129	109	1557	1466	0	21	3153	3153	3024	3024
XII.95	0	0	35	0	38	73	73	156	1702	1215	0	142	3215	3215	3142	3142
1995	**0**	**10**	**265**	**0**	**944**	**1219**	**1219**	**1323**	**18930**	**18038**	**0**	**751**	**39042**	**39042**	**37823**	**37823**
I.04	0	0	32	0	1	33	33	137	2044	1527	56	425	4189	4189	4156	4156
II.04	0	0	34	0	0	34	34	126	1793	1416	190	530	4055	4055	4021	4021
III.04	0	0	33	0	0	33	33	139	1828	1635	220	478	4300	4300	4267	4267
IV.04	0	0	37	0	0	37	37	145	1608	1479	146	571	3949	3949	3912	3912
V.04	0	1	38	0	0	39	39	132	1493	1353	149	444	3571	3571	3532	3532
VI.04	0	3	45	0	0	48	48	141	1451	1285	26	516	3419	3419	3371	3371
VII.04	0	0	67	107	0	174	174	152	1666	1376	0	517	3711	3711	3537	3537
VIII.04	0	5	88	82	2	177	177	112	1150	1162	0	228	2652	2652	2475	2475
IX.04	0	0	50	1	0	51	51	125	1657	1362	154	445	3743	3743	3692	3692
X.04	0	3	19	0	0	22	22	136	1550	1499	195	544	3924	3924	3902	3902
XI.04	0	2	53	1	0	56	56	136	1862	1523	192	718	4431	4431	4375	4375
XII.04	0	0	48	0	0	48	48	140	1813	1508	96	764	4321	4321	4273	4273
2004	**0**	**14**	**544**	**191**	**3**	**752**	**752**	**1621**	**19915**	**17125**	**1424**	**6180**	**46265**	**46265**	**45513**	**45513**
I.05	0	0	90	0	0	90	90	142	2243	1424	119	789	4717	4717	4627	4627
II.05	0	0	96	0	0	96	96	123	2430	1138	72	725	4488	4488	4392	4392
III.05	2	0	57	0	0	59	59	124	2421	1278	285	789	4897	4897	4838	4838
IV.05	0	0	49	0	0	49	49	122	2354	1246	158	842	4722	4722	4673	4673
V.05	0	6	50	2	0	58	58	137	2284	1268	20	580	4289	4289	4231	4231
VI.05	0	7	52	21	0	80	80	129	2020	1193	0	630	3972	3972	3892	3892
VII.05	0	7	43	74	0	124	124	109	2139	1238	0	732	4218	4218	4094	4094
VIII.05	0	7	59	69	0	135	135	122	1753	873	0	372	3120	3120	2985	2985
IX.05	0	8	36	38	0	82	82	122	1951	1238	27	546	3884	3884	3802	3802
X.05	0	6	21	27	0	54	54	129	2378	1527	2	834	4870	4870	4816	4816
XI.05	0	16	50	13	0	79	79	119	1957	1276	28	548	3928	3928	3849	3849
XII.05	0	74	99	24	0	197	197	119	1477	794	0	544	2934	2934	2737	2737
2005	**2**	**131**	**702**	**268**	**0**	**1103**	**1103**	**1497**	**25407**	**14493**	**711**	**7931**	**50039**	**50039**	**48936**	**48936**

[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".

Italy

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	0
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	187825
			2004	240859
			2005	241071
Hydraulic net production	GWh	Σ	1995	41383
			2004	49285
			2005	42386
Other renewable net production [1]	GWh	Σ	2005	7368
- of which wind	GWh	Σ	2005	2330
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	229208
			2004	290144
			2005 [3]	290825
Physical import	GWh	Σ	1995	38291
			2004	46265
			2005	50039
Physical export	GWh	Σ	1995	275
			2004	752
			2005	1103
Total physical import/export balance [2]	GWh	Σ	1995	37487
			2004	45513
			2005	48936
Consumption of pumps	GWh	Σ	1995	5626
			2004	10300
			2005	9320
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	261069
			2004	325357
			2005	330441
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	24921
			2004	32656
			2005	33627
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	41320
			2004	52356
			2005	52820
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	42271
			2004	53093
			2005	54115
Time of maximum load on the 3rd Wednesday		CET	1995	18:00
			2004	18:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	36834
			2004	46194
			2005	49828

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
17216	15613	17446	14940	14474	13896	15244	13022	15162	16712	17359	16741
21136	20454	21215	18692	18012	18434	21092	18573	21382	21381	19746	20742
20463	19835	20355	18047	18603	19981	21798	17946	20629	19544	21344	22526
3156	2723	2774	3032	4228	4779	4950	3479	3614	3051	2746	2851
3132	3109	3548	3820	5660	5974	5657	3817	3255	3216	4423	3674
3468	3033	3277	3455	4385	4164	4203	3147	3558	3819	2958	2919
628	583	583	635	612	506	615	620	542	533	647	864
188	197	161	215	197	109	203	198	130	101	227	404
0	0	0	0	0	0	0	0	0	0	0	0
20372	18336	20220	17972	18702	18675	20194	16501	18776	19763	20105	19592
24268	23563	24763	22512	23672	24408	26749	22390	24637	24597	24169	24416
24559	23451	24215	22137	23600	24651	26616	21713	24729	23896	24949	26309
3296	3146	3315	3447	3434	3215	3418	2238	3207	3370	3132	3073
4189	4055	4300	3949	3571	3419	3711	2652	3743	3924	4431	4321
4717	4488	4897	4722	4289	3972	4218	3120	3884	4870	3928	2934
31	24	22	18	16	22	23	24	9	21	30	35
33	34	33	37	39	48	174	177	51	22	56	48
90	96	59	49	58	80	124	135	82	54	79	197
3226	3047	3225	2985	3385	3303	3444	2168	3220	3259	3083	3142
4156	4021	4267	3912	3532	3371	3537	2475	3692	3902	4375	4273
4627	4392	4838	4673	4231	3892	4094	2985	3802	4816	3849	2737
471	290	438	395	402	354	594	300	374	609	695	704
901	892	925	840	882	895	869	755	724	790	932	895
947	820	874	753	772	701	705	603	686	786	800	873
23127	21093	23007	20562	21685	21624	23044	18369	21622	22413	22493	22030
27523	26692	28105	25584	26322	26884	29417	24110	27605	27709	27612	27794
28239	27023	28179	26057	27059	27842	30005	24095	27845	27926	27998	28173
23759	23441	23058	22368	22833	23877	**24921**	16291	23317	23017	23086	22977
28865	29467	28104	28156	28185	29680	**32656**	24040	30687	29087	28975	29749
29502	29797	29638	28272	28475	30025	**33627**	23152	29779	29214	29403	31079
41320	38960	38903	37744	37882	38892	40456	23893	37982	37278	38096	39285
48988	49611	46251	45358	44665	47635	**52356**	34080	49076	47655	48021	49347
52111	50965	47421	46922	45799	47993	**52820**	31850	47094	47799	48784	51710
42271	39643	39647	38415	38421	39167	40673	24839	38293	39643	40582	41416
50679	50230	47169	45896	44984	47635	52356	35567	49076	48196	50513	**53093**
53182	51748	48905	47183	46147	48203	52820	34004	47236	48320	50571	**54115**
18:00	18:00	19:00	11:00	11:00	11:00	11:00	21:00	11:00	18:00	18:00	18:00
18:00	18:00	19:00	11:00	11:00	11:00	11:00	21:00	11:00	19:00	18:00	**18:00**
18:00	18:00	19:00	11:00	11:00	11:00	11:00	21:00	10:00	19:00	18:00	**18:00**
36664	33362	34014	33365	32815	34439	35425	21350	32671	33939	35242	**36834**
43611	43192	40046	39025	39170	41821	**46194**	31667	42712	41038	43487	46138
46144	43692	40773	39063	39081	41128	45811	29450	40204	40421	42648	**49828**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Luxembourg

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	0
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	407
			2004	3080
			2005	3040
Hydraulic net production	GWh	Σ	1995	834
			2004	906
			2005	860
Other renewable net production [1]	GWh	Σ	2005	107
- of which wind	GWh	Σ	2005	53
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	1278
			2004	4067
			2005	4079
Physical import	GWh	Σ	1995	5637
			2004	6500
			2005	6400
Physical export	GWh	Σ	1995	745
			2004	3133
			2005	3143
Total physical import/export balance [2]	GWh	Σ	1995	4943
			2004	3365
			2005	3261
Consumption of pumps	GWh	Σ	1995	1075
			2004	1055
			2005	1103
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	5146
			2004	6377
			2005	6237
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	652
			2004	808
			2005	770
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	774
			2004	919
			2005	919
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	776
			2004	961
			2005	942
Time of maximum load on the 3rd Wednesday		CET	1995	18:00
			2004	11:00
			2005	19:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	793
			2004	917
			2005	964

Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
43	33	34	33	35	34	30	30	32	35	35	33
295	274	279	261	155	251	256	238	278	285	284	224
295	86	292	278	254	239	266	226	267	273	265	299
64	51	59	68	73	72	68	82	76	79	70	72
90	73	69	76	71	69	69	68	76	78	79	88
80	73	81	69	75	64	71	66	58	69	74	80
13	8	9	8	9	7	8	8	6	10	10	11
8	4	5	4	4	2	4	3	3	6	4	6
0	0	0	0	0	0	0	0	0	0	0	0
110	87	96	104	111	109	101	115	111	118	108	108
393	354	355	344	231	327	332	312	361	370	370	318
395	169	389	361	344	316	351	305	337	358	355	397
479	427	492	448	467	448	457	439	466	499	504	511
543	535	573	520	549	535	560	483	544	572	525	561
523	506	545	500	506	498	550	477	549	578	591	577
51	39	46	57	66	66	64	80	72	75	66	63
300	270	267	259	169	257	265	275	291	286	255	239
298	111	298	278	255	244	274	253	273	282	276	301
428	389	446	397	408	389	398	366	401	431	440	450
243	265	305	260	380	278	295	209	252	286	270	322
225	396	247	222	253	254	276	225	276	296	315	276
76	59	68	81	92	92	94	111	102	106	99	95
96	79	78	89	88	86	86	83	91	90	88	101
93	86	97	84	94	86	97	90	80	94	101	101
462	417	474	420	427	406	405	370	410	443	449	463
540	540	582	515	523	519	541	438	522	566	552	539
527	479	539	499	503	484	530	440	533	560	569	572
652	523	579	596	564	528	480	371	573	585	576	591
704	727	739	691	679	612	706	524	703	700	**808**	708
635	665	656	675	365	344	663	509	650	737	**770**	743
716	715	658	755	708	715	657	536	757	734	712	**774**
858	**919**	817	767	748	809	818	726	851	904	905	836
807	817	849	863	473	306	914	689	**919**	748	843	915
716	752	742	**776**	727	719	682	554	764	762	**776**	774
870	938	890	831	847	815	870	733	874	959	**961**	885
823	855	927	887	510	495	925	708	919	796	**942**	929
11:00	20:00	20:00	12:00	12:00	11:00	12:00	12:00	12:00	19:00	**18:00**	11:00
19:00	12:00	20:00	22:00	19:00	13:00	12:00	12:00	12:00	12:00	**11:00**	19:00
12:00	19:00	20:00	12:00	13:00	13:00	12:00	12:00	11:00	12:00	**19:00**	11:00
736	730	680	770	719	732	676	553	771	753	723	**793**
857	**917**	816	762	747	804	818	720	849	900	903	830
806	812	**964**	861	476	311	910	686	916	828	839	914

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

Physical exchanges in interconnected operation [1]

Luxembourg | GWh

MM_YY	LU→BE	LU→DE	UCTE_EXP	Total_EXP	BE→LU	DE→LU	UCTE_IMP	Total_IMP	LU_UCTE	LU_Total
	Export (-)				Import (+)				Balance	
I.95	0	51	51	51	108	371	479	479	428	428
II.95	0	39	39	39	109	318	427	427	388	388
III.95	0	46	46	46	135	357	492	492	446	446
IV.95	0	57	57	57	107	341	448	448	391	391
V.95	0	66	66	66	119	348	467	467	401	401
VI.95	0	66	66	66	110	338	448	448	382	382
VII.95	0	64	64	64	109	348	457	457	393	393
VIII.95	0	80	80	80	103	336	439	439	359	359
IX.95	0	72	72	72	111	355	466	466	394	394
X.95	0	75	75	75	116	383	499	499	424	424
XI.95	0	66	66	66	122	382	504	504	438	438
XII.95	0	63	63	63	121	390	511	511	448	448
1995	**0**	**745**	**745**	**745**	**1370**	**4267**	**5637**	**5637**	**4892**	**4892**
I.04	229	71	300	300	110	433	543	543	243	243
II.04	215	55	270	270	140	395	535	535	265	265
III.04	213	54	267	267	153	420	573	573	306	306
IV.04	195	64	259	259	122	398	520	520	261	261
V.04	109	60	169	169	152	397	549	549	380	380
VI.04	196	61	257	257	139	396	535	535	278	278
VII.04	204	61	265	265	148	412	560	560	295	295
VIII.04	215	60	275	275	98	385	483	483	208	208
IX.04	226	65	291	291	135	409	544	544	253	253
X.04	222	64	286	286	150	422	572	572	286	286
XI.04	192	63	255	255	105	420	525	525	270	270
XII.04	166	73	239	239	120	441	561	561	322	322
2004	**2382**	**751**	**3133**	**3133**	**1572**	**4928**	**6500**	**6500**	**3367**	**3367**
I.05	232	66	298	298	92	431	523	523	225	225
II.05	48	63	111	111	101	405	506	506	395	395
III.05	229	69	298	298	109	436	545	545	247	247
IV.05	218	60	278	278	100	400	500	500	222	222
V.05	188	67	255	255	101	405	506	506	251	251
VI.05	183	61	244	244	94	404	498	498	254	254
VII.05	205	69	274	274	129	421	550	550	276	276
VIII.05	189	64	253	253	88	389	477	477	224	224
IX.05	217	56	273	273	137	412	549	549	276	276
X.05	216	66	282	282	145	433	578	578	296	296
XI.05	204	72	276	276	146	445	591	591	315	315
XII.05	229	72	301	301	125	452	577	577	276	276
2005	**2358**	**785**	**3143**	**3143**	**1367**	**5033**	**6400**	**6400**	**3257**	**3257**

[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".

Physical exchanges in interconnected operation [1]

FYROM | GWh

MM_YY	MK→BG	MK→CS	MK→GR	UCTE_EXP	Total_EXP	BG→MK	CS→MK	GR→MK	UCTE_IMP	Total_IMP	MK_UCTE	MK_Total
	Export (-)					Import (+)					Balance	
I.95	n.a.	0	3	3	3	n.a.	0	62	62	62	59	59
II.95	n.a.	0	21	21	21	n.a.	0	11	11	11	-10	-10
III.95	n.a.	0	16	16	16	n.a.	0	14	14	14	-2	-2
IV.95	n.a.	0	14	14	14	n.a.	0	19	19	19	5	5
V.95	n.a.	0	51	51	51	n.a.	0	8	8	8	-43	-43
VI.95	n.a.	0	86	86	86	n.a.	0	4	4	4	-82	-82
VII.95	n.a.	0	48	48	48	n.a.	0	12	12	12	-36	-36
VIII.95	n.a.	0	18	18	18	n.a.	0	11	11	11	-7	-7
IX.95	n.a.	0	55	55	55	n.a.	0	5	5	5	-50	-50
X.95	n.a.	0	71	71	71	n.a.	0	3	3	3	-68	-68
XI.95	n.a.	0	60	60	60	n.a.	0	8	8	8	-52	-52
XII.95	n.a.	0	99	99	99	n.a.	0	37	37	37	-62	-62
1995	**n.a.**	**0**	**542**	**542**	**542**	**n.a.**	**0**	**194**	**194**	**194**	**-348**	**-348**
I.04	0	0	12	12	12	0	163	51	214	214	202	202
II.04	0	0	51	51	51	0	168	6	174	174	123	123
III.04	0	0	60	60	60	0	145	8	153	153	93	93
IV.04	0	0	157	157	157	0	189	1	190	190	33	33
V.04	0	0	118	118	118	0	181	5	186	186	68	68
VI.04	0	0	79	79	79	0	143	1	144	144	65	65
VII.04	0	0	71	71	71	0	152	2	154	154	83	83
VIII.04	0	0	58	58	58	0	143	3	146	146	88	88
IX.04	0	0	49	49	49	0	120	11	131	131	82	82
X.04	0	0	81	81	81	0	146	2	148	148	67	67
XI.04	0	0	46	46	46	0	128	8	136	136	90	90
XII.04	0	0	51	51	51	0	229	4	233	233	182	182
2004	**0**	**0**	**833**	**833**	**833**	**0**	**1907**	**102**	**2009**	**2009**	**1176**	**1176**
I.05	0	0	52	52	52	0	234	4	238	238	186	186
II.05	0	0	37	37	37	0	164	15	179	179	142	142
III.05	0	0	50	50	50	0	129	16	145	145	95	95
IV.05	0	0	90	90	90	3	124	0	127	127	37	37
V.05	0	0	82	82	82	0	212	1	213	213	131	131
VI.05	0	0	60	60	60	2	171	11	184	184	124	124
VII.05	0	0	75	75	75	30	200	2	232	232	157	157
VIII.05	0	0	63	63	63	29	177	6	212	212	149	149
IX.05	0	1	93	94	94	24	133	0	157	157	63	63
X.05	0	0	77	77	77	82	78	2	162	162	85	85
XI.05	0	0	81	81	81	79	182	2	263	263	182	182
XII.05	0	0	36	36	36	85	186	12	283	283	247	247
2005	**0**	**1**	**796**	**797**	**797**	**334**	**1990**	**71**	**2395**	**2395**	**1598**	**1598**

[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".

FYROM

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	4731
			2005	4994
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	1477
			2005	1481
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	6208
			2005 [3]	6475
Physical import	GWh	Σ	1995	n.a.
			2004	2009
			2005	2395
Physical export	GWh	Σ	1995	n.a.
			2004	833
			2005	797
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	1176
			2005	1599
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	7384
			2005	8074
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	910
			2005	1073
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1243
			2005	1359
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1358
			2005	1450
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	18:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	998
			2005	1031

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
469	473	475	380	273	260	302	338	361	431	470	499
499	456	472	406	292	292	339	340	424	474	493	507
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
133	125	112	142	177	160	128	85	64	77	135	139
148	192	187	167	139	137	77	59	51	88	108	128
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
602	598	587	522	450	420	430	423	425	508	605	638
647	648	659	573	431	429	416	399	475	562	601	635
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
214	174	153	190	186	144	154	146	131	148	136	233
238	179	145	127	213	184	232	212	157	162	263	283
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12	51	60	157	118	79	71	58	49	81	46	51
52	37	50	90	82	60	75	63	94	77	81	36
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
202	123	93	33	68	65	83	88	81	67	90	183
186	142	97	38	131	124	157	148	62	84	183	247
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
804	721	680	555	518	485	513	511	506	575	695	821
833	790	756	611	562	553	573	547	537	646	784	882
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
730	866	673	629	516	487	542	536	520	586	760	**910**
957	860	770	619	605	603	613	588	547	772	848	**1073**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1142	1147	851	887	768	729	789	774	751	782	1008	**1243**
1253	1175	910	887	818	840	860	818	848	975	1146	**1359**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1218	1242	1000	951	892	827	847	891	881	949	1212	**1358**
1370	1269	1148	1028	901	950	928	892	930	1220	1330	**1450**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
18:00	19:00	20:00	21:00	22:00	22:00	22:00	21:00	20:00	20:00	18:00	**18:00**
18:00	20:00	20:00	21:00	22:00	22:00	22:00	21:00	20:00	20:00	18:00	**18:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
877	**998**	713	839	631	610	626	614	604	649	869	998
951	927	819	837	818	636	599	580	716	861	850	**1031**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

The Netherlands

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	3451
			2004	3605
			2005	3772
Thermal conventional net production	GWh	Σ	1995	54942
			2004	91033
			2005	86658
Hydraulic net production	GWh	Σ	1995	0
			2004	0
			2005	0
Other renewable net production [1]	GWh	Σ	2005	5936
- of which wind	GWh	Σ	2005	2060
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	77616
			2004 [3]	94638
			2005 [3]	96366
Physical import	GWh	Σ	1995	15549
			2004	21410
			2005	23693
Physical export	GWh	Σ	1995	3850
			2004	5191
			2005	5400
Total physical import/export balance [2]	GWh	Σ	1995	11594
			2004	16219
			2005	18292
Consumption of pumps	GWh	Σ	1995	0
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	89210
			2004	110857
			2005	114658
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	7783
			2004	9845
			2005	9702
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	13702
			2004	15896
			2005	16439
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	13713
			2004	16725
			2005	16858
Time of maximum load on the 3rd Wednesday		CET	1995	11:00
			2004	18:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	9863
			2004	11619
			2005	13290

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

The Netherlands

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
36	27	138	362	376	363	371	368	358	313	364	375
301	315	336	325	335	323	333	330	300	45	325	337
337	305	337	325	327	323	331	326	179	334	324	324
5298	4629	4975	4091	4257	4243	4192	4250	4417	4788	4669	5133
8190	7754	8109	7118	7084	6881	7241	7197	7444	7954	7868	8193
7857	7362	7651	6847	6886	6778	6835	6774	7169	7127	7453	7919
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
663	510	536	450	486	427	433	447	429	505	514	536
340	187	213	127	163	104	110	124	106	182	191	213
0	0	0	0	0	0	0	0	0	0	0	0
7208	6378	6909	6018	6096	5982	5850	5921	6122	6893	6895	7344
8491	8069	8445	7443	7419	7204	7574	7527	7744	7999	8193	8530
8857	8177	8524	7622	7699	7528	7599	7547	7777	7966	8291	8779
1244	1234	1155	1305	1290	1364	1482	1523	1380	1280	1205	1087
1985	1964	2017	1976	1589	1679	1392	1512	1450	1767	1900	2179
2217	2049	2344	2175	1607	1702	1764	1766	1615	1953	2091	2410
369	389	299	252	312	335	255	186	339	356	258	500
412	603	613	483	241	277	252	383	506	367	473	581
688	791	762	592	252	162	184	164	223	238	567	777
876	844	857	1002	976	1028	1227	1336	1040	924	897	587
1573	1360	1404	1493	1348	1402	1140	1129	944	1401	1427	1598
1529	1257	1581	1583	1356	1540	1580	1602	1392	1715	1524	1633
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
8084	7222	7766	7020	7072	7010	7077	7257	7162	7817	7792	7931
10064	9429	9849	8936	8767	8606	8714	8656	8688	9400	9620	10128
10386	9434	10105	9205	9055	9068	9179	9149	9169	9681	9815	10412
7676	**7783**	7604	6469	6530	7110	6924	7155	6867	6832	6288	6515
9170	8514	8387	**9845**	8926	8982	9414	9315	8382	8562	8300	9030
9308	9677	8968	9159	9319	9054	9310	9066	9310	9202	**9702**	9630
13702	13295	13261	12189	12205	12104	11947	11963	12384	12354	12296	12740
14972	14417	14141	14241	13924	14087	14610	14513	14205	14747	14772	**15896**
16149	**16439**	14650	15099	14619	14489	13939	13847	14371	15061	16110	16186
13713	13439	13408	12189	12298	12226	12109	12160	12391	12354	12397	12894
15298	14722	14411	14261	14031	14087	14894	14641	14292	14858	15367	**16725**
16241	16439	14832	15229	14768	14733	14050	14068	14543	15151	**16858**	16597
11:00	12:00	12:00	11:00	11:00	12:00	12:00	12:00	12:00	11:00	11:00	11:00
18:00	19:00	20:00	12:00	12:00	11:00	12:00	12:00	12:00	12:00	18:00	**18:00**
18:00	11:00	20:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	**18:00**	18:00
9269	8663	8879	9132	9060	8759	8507	8432	9619	9161	8692	**9863**
10429	10291	10208	10461	10468	9873	**11619**	11594	11284	10987	11347	11452
12979	13226	12070	11812	12398	11819	11419	11459	12119	12336	**13290**	13221

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

The Netherlands | GWh

MM_YY	NL→BE	NL→DE	UCTE_EXP	Total_EXP	BE→NL	DE→NL	UCTE_IMP	Total_IMP	NL_UCTE	NL_Total
	Export (-)				Import (+)				Balance	
I.95	341	28	369	369	246	998	1244	1244	875	875
II.95	360	29	389	389	213	1021	1234	1234	845	845
III.95	272	27	299	299	170	985	1155	1155	856	856
IV.95	237	15	252	252	305	1000	1305	1305	1053	1053
V.95	285	27	312	312	279	1011	1290	1290	978	978
VI.95	328	7	335	335	223	1141	1364	1364	1029	1029
VII.95	251	4	255	255	201	1281	1482	1482	1227	1227
VIII.95	186	0	186	186	322	1201	1523	1523	1337	1337
IX.95	339	0	339	339	64	1316	1380	1380	1041	1041
X.95	349	7	356	356	196	1084	1280	1280	924	924
XI.95	227	31	258	258	308	897	1205	1205	947	947
XII.95	465	35	500	500	185	902	1087	1087	587	587
1995	**3640**	**210**	**3850**	**3850**	**2712**	**12837**	**15549**	**15549**	**11699**	**11699**
I.04	406	6	412	412	374	1611	1985	1985	1573	1573
II.04	602	1	603	603	131	1833	1964	1964	1361	1361
III.04	598	15	613	613	134	1883	2017	2017	1404	1404
IV.04	480	3	483	483	239	1737	1976	1976	1493	1493
V.04	219	22	241	241	372	1217	1589	1589	1348	1348
VI.04	180	97	277	277	625	1054	1679	1679	1402	1402
VII.04	171	81	252	252	527	865	1392	1392	1140	1140
VIII.04	186	197	383	383	585	927	1512	1512	1129	1129
IX.04	398	108	506	506	285	1165	1450	1450	944	944
X.04	351	16	367	367	251	1516	1767	1767	1400	1400
XI.04	461	12	473	473	352	1548	1900	1900	1427	1427
XII.04	581	0	581	581	178	2001	2179	2179	1598	1598
2004	**4633**	**558**	**5191**	**5191**	**4053**	**17357**	**21410**	**21410**	**16219**	**16219**
I.05	688	0	688	688	120	2097	2217	2217	1529	1529
II.05	789	2	791	791	80	1969	2049	2049	1258	1258
III.05	761	1	762	762	173	2171	2344	2344	1582	1582
IV.05	592	0	592	592	95	2080	2175	2175	1583	1583
V.05	235	17	252	252	464	1143	1607	1607	1355	1355
VI.05	102	60	162	162	690	1012	1702	1702	1540	1540
VII.05	123	61	184	184	683	1081	1764	1764	1580	1580
VIII.05	92	72	164	164	807	959	1766	1766	1602	1602
IX.05	120	103	223	223	673	942	1615	1615	1392	1392
X.05	234	4	238	238	338	1615	1953	1953	1715	1715
XI.05	564	3	567	567	201	1890	2091	2091	1524	1524
XII.05	775	2	777	777	109	2301	2410	2410	1633	1633
2005	**5075**	**325**	**5400**	**5400**	**4433**	**19260**	**23693**	**23693**	**18293**	**18293**

[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".

Physical exchanges in interconnected operation [1]

Poland | GWh

MM_YY	PL→CZ	PL→DE	PL→SK	PL→UA	PL→BY	PL→SE	UCTE_EXP	Total_EXP	CZ→PL	DE→PL	SK→PL	UA→PL	BY→PL	SE→PL	UCTE_IMP	Total_IMP	PL_UCTE	PL_Total
	Export (-)								Import (+)								Balance	
I.95	n.a.	335	n.a.	n.a.	n.a.	n.a.	335	n.a.	n.a.	435	n.a.	n.a.	n.a.	n.a.	435	n.a.	100	n.a.
II.95	n.a.	223	n.a.	n.a.	n.a.	n.a.	223	n.a.	n.a.	295	n.a.	n.a.	n.a.	n.a.	295	n.a.	72	n.a.
III.95	n.a.	249	n.a.	n.a.	n.a.	n.a.	249	n.a.	n.a.	302	n.a.	n.a.	n.a.	n.a.	302	n.a.	53	n.a.
IV.95	n.a.	262	n.a.	n.a.	n.a.	n.a.	262	n.a.	n.a.	339	n.a.	n.a.	n.a.	n.a.	339	n.a.	77	n.a.
V.95	n.a.	233	n.a.	n.a.	n.a.	n.a.	233	n.a.	n.a.	360	n.a.	n.a.	n.a.	n.a.	360	n.a.	127	n.a.
VI.95	n.a.	163	n.a.	n.a.	n.a.	n.a.	163	n.a.	n.a.	289	n.a.	n.a.	n.a.	n.a.	289	n.a.	126	n.a.
VII.95	n.a.	154	n.a.	n.a.	n.a.	n.a.	154	n.a.	n.a.	308	n.a.	n.a.	n.a.	n.a.	308	n.a.	154	n.a.
VIII.95	n.a.	102	n.a.	n.a.	n.a.	n.a.	102	n.a.	n.a.	274	n.a.	n.a.	n.a.	n.a.	274	n.a.	172	n.a.
IX.95	n.a.	170	n.a.	n.a.	n.a.	n.a.	170	n.a.	n.a.	343	n.a.	n.a.	n.a.	n.a.	343	n.a.	173	n.a.
X.95	n.a.	183	n.a.	n.a.	n.a.	n.a.	183	n.a.	n.a.	336	n.a.	n.a.	n.a.	n.a.	336	n.a.	153	n.a.
XI.95	n.a.	91	n.a.	n.a.	n.a.	n.a.	91	n.a.	n.a.	244	n.a.	n.a.	n.a.	n.a.	244	n.a.	153	n.a.
XII.95	n.a.	185	n.a.	n.a.	n.a.	n.a.	185	n.a.	n.a.	359	n.a.	n.a.	n.a.	n.a.	359	n.a.	174	n.a.
1995	**n.a.**	**2350**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**2350**	**n.a.**	**n.a.**	**3884**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**3884**	**n.a.**	**1534**	**n.a.**
I.04	1036	6	292	0	0	291	1334	1625	2	338	0	74	121	0	340	535	-994	-1090
II.04	1012	2	316	0	0	283	1330	1613	3	346	0	78	108	0	349	535	-981	-1078
III.04	1013	44	312	0	0	273	1369	1642	2	238	0	87	103	25	240	455	-1129	-1187
IV.04	815	87	220	0	0	189	1122	1311	6	149	0	69	97	21	155	342	-967	-969
V.04	664	11	135	0	0	169	810	979	6	221	1	80	100	20	228	428	-582	-551
VI.04	447	114	96	0	0	274	657	931	12	76	4	73	98	2	92	265	-565	-666
VII.04	510	80	146	0	0	140	736	876	14	147	2	61	72	39	163	335	-573	-541
VIII.04	551	36	95	0	0	291	682	973	9	185	1	76	21	0	195	292	-487	-681
IX.04	742	27	201	0	0	169	970	1139	6	271	0	64	70	21	277	432	-693	-707
X.04	897	3	246	0	0	136	1146	1282	9	363	0	64	70	3	372	509	-774	-773
XI.04	641	32	302	0	0	102	975	1077	3	324	0	46	69	0	327	442	-648	-635
XII.04	826	8	263	0	0	58	1097	1155	8	500	0	81	71	82	508	742	-589	-413
2004	**9154**	**450**	**2624**	**0**	**0**	**2375**	**12228**	**14603**	**80**	**3158**	**8**	**853**	**1000**	**213**	**3246**	**5312**	**-8982**	**-9291**
I.05	1091	3	297	0	0	8	1391	1399	2	361	0	82	80	324	363	849	-1028	-550
II.05	1024	17	282	0	0	8	1323	1331	2	247	0	76	74	211	249	610	-1074	-721
III.05	1046	46	260	0	0	121	1352	1473	4	204	0	82	80	1	208	371	-1144	-1102
IV.05	887	45	272	0	0	174	1204	1378	3	142	0	74	72	4	145	295	-1059	-1083
V.05	768	95	213	0	0	177	1076	1253	10	99	0	64	75	18	109	266	-967	-987
VI.05	710	230	199	0	0	21	1139	1160	8	41	0	96	76	163	49	384	-1090	-776
VII.05	720	118	127	0	0	118	965	1083	10	135	0	90	42	34	145	311	-820	-772
VIII.05	552	167	28	0	0	59	747	806	14	89	0	98	48	0	103	249	-644	-557
IX.05	801	219	156	0	0	20	1176	1196	4	66	0	91	75	36	70	272	-1106	-924
X.05	1097	69	272	0	0	178	1438	1616	4	241	0	79	85	4	245	413	-1193	-1203
XI.05	1253	27	348	0	0	49	1628	1677	1	240	0	77	83	22	241	423	-1387	-1254
XII.05	1216	10	338	0	0	249	1564	1813	1	401	0	75	85	0	402	562	-1162	-1251
2005	**11165**	**1046**	**2792**	**0**	**0**	**1182**	**15003**	**16185**	**63**	**2266**	**0**	**984**	**875**	**817**	**2329**	**5005**	**-12674**	**-11180**

[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".

Poland

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	138306
			2005	140182
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	3487
			2005	3550
Other renewable net production [1]	GWh	Σ	2005	224
- of which wind	GWh	Σ	2005	132
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	141793
			2005 [3]	143956
Physical import	GWh	Σ	1995	n.a.
			2004	5312
			2005	5005
Physical export	GWh	Σ	1995	n.a.
			2004	14603
			2005	16185
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-9292
			2005	-11188
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	2226
			2005	2156
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	130275
			2005	130612
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	15928
			2005	14958
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	19039
			2005	19929
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	20937
			2005	21578
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	17:00
			2005	17:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	20708
			2005	22196

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
13577	12262	12697	11117	10401	10271	10334	10505	10708	11954	11971	12509
12513	11797	12670	11163	10719	10204	10511	10414	11077	12407	12937	13770
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
251	336	377	371	282	254	258	305	234	244	274	301
312	258	362	423	355	301	260	320	234	236	224	265
22	16	25	18	16	16	21	14	14	18	23	21
15	10	17	11	9	8	13	6	6	10	14	13
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
13828	12598	13074	11488	10683	10525	10592	10810	10942	12198	12245	12810
12847	12071	13057	11604	11090	10521	10792	10748	11325	12661	13184	14056
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
535	535	455	342	428	265	335	292	432	509	442	742
849	610	371	295	266	384	311	249	272	413	423	562
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1625	1613	1642	1311	979	931	876	973	1139	1282	1077	1155
1399	1331	1473	1378	1253	1160	1083	806	1196	1616	1677	1813
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-1090	-1078	-1187	-969	-552	-666	-541	-681	-707	-773	-635	-413
-550	-723	-1102	-1082	-986	-777	-773	-557	-926	-1204	-1254	-1254
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
218	186	196	185	92	167	193	207	192	201	197	192
182	161	180	185	124	145	188	197	188	205	195	206
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
12520	11334	11691	10334	10039	9692	9858	9922	10043	11224	11413	12205
12115	11187	11775	10337	9980	9599	9831	9994	10211	11252	11735	12596
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
15928	15473	14447	13385	12648	12594	12862	12810	13241	14582	14800	15571
14931	14382	14065	12582	12059	11721	11731	11677	12425	13820	13780	**14958**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
18948	18742	17076	15838	15755	15546	15793	15883	16024	17660	18361	**19039**
18802	18657	18088	16638	16571	15911	15454	15867	16465	17974	18482	**19929**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
20186	19878	18670	17183	16092	15641	15841	16546	17526	19535	19920	**20937**
19978	19970	19496	17787	16736	16116	15562	16438	18290	19698	20218	**21578**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
17:00	19:00	19:00	21:00	21:00	12:00	12:00	21:00	20:00	19:00	17:00	**17:00**
17:00	19:00	20:00	21:00	13:00	12:00	12:00	21:00	20:00	20:00	17:00	**17:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
20708	20443	18801	17667	17026	16945	17253	16585	17626	18741	19762	20675
20518	20677	19982	19262	18407	17955	17328	16776	18253	20442	20714	**22196**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Portugal

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	0
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	20299
			2004	28744
			2005	33263
Hydraulic net production	GWh	Σ	1995	8229
			2004	10686
			2005	4910
Other renewable net production [1]	GWh	Σ	2005	3515
- of which wind	GWh	Σ	2005	1726
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995 [3]	31009
			2004 [3]	41506
			2005 [3]	43611
Physical import	GWh	Σ	1995	2570
			2004	8523
			2005	9477
Physical export	GWh	Σ	1995	1742
			2004	2130
			2005	2806
Total physical import/export balance [2]	GWh	Σ	1995	916
			2004	6481
			2005	6819
Consumption of pumps	GWh	Σ	1995	158
			2004	407
			2005	567
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	31767
			2004	47580
			2005	49863
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	2995
			2004	4995
			2005	5559
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	5206
			2004	7306
			2005	7811
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	5218
			2004	8257
			2005	8669
Time of maximum load on the 3rd Wednesday		CET	1995	19:00
			2004	20:00
			2005	20:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	4685
			2004	6940
			2005	7495

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1406	916	1315	1529	1738	1754	2035	1979	2000	2077	1971	1579
2213	1851	2326	1939	2173	2498	2787	2388	2515	2380	2542	3132
3259	3047	2985	2440	2561	2894	2995	2675	2583	2579	2539	2706
1224	1330	1106	602	525	480	390	244	300	414	531	1083
1482	1487	1143	862	826	582	481	497	678	827	1042	779
512	467	478	486	364	347	265	235	221	201	520	814
225	242	279	276	266	195	291	276	285	358	374	448
98	113	140	127	115	84	131	118	129	183	208	280
0	0	0	0	0	0	0	0	0	0	0	0
2859	2441	2632	2316	2460	2428	2636	2416	2500	2708	2720	2893
3889	3514	3652	2948	3157	3242	3440	3037	3361	3376	3773	4117
4168	3916	3899	3358	3354	3588	3709	3327	3254	3303	3595	4141
181	162	202	210	204	214	259	281	297	214	149	197
689	618	701	850	754	733	805	753	625	727	595	673
942	682	742	683	716	677	782	659	858	931	894	911
91	87	102	115	101	114	159	174	207	221	156	215
268	215	188	114	143	118	146	115	158	190	217	258
409	338	281	188	158	216	267	117	148	150	181	353
98	83	109	102	110	107	102	113	98	2	1	-9
434	414	523	743	615	621	664	643	473	542	383	426
548	357	473	504	567	475	527	559	725	789	724	571
13	12	0	0	0	3	22	30	26	21	19	12
36	14	24	25	27	49	74	53	46	28	2	29
55	56	62	38	28	36	49	31	39	45	60	68
2944	2512	2741	2418	2570	2532	2716	2499	2572	2689	2702	2872
4287	3914	4151	3666	3745	3814	4030	3627	3788	3890	4154	4514
4661	4217	4310	3824	3893	4027	4187	3855	3940	4047	4259	4644
2737	2520	2458	2565	2478	2782	**2995**	2467	2712	2703	2595	2818
4748	4485	4296	4281	4221	4516	4551	3995	4237	4216	4717	**4995**
4919	4983	4547	4359	4273	4616	4820	4309	4482	4376	4791	**5559**
5206	4868	4601	4564	4520	4757	5085	4058	4715	4745	4797	5203
7306	6982	6440	6497	6388	6726	6666	5432	6197	6469	6885	7286
7366	7471	6778	6602	6452	6822	7125	5714	6534	6613	7079	**7811**
5206	4871	4613	4564	4520	4776	5085	4126	4715	4778	4955	**5218**
8074	7672	7058	6855	6671	7031	6998	5777	6481	6965	7883	**8257**
8015	8148	7118	6800	6673	7081	7483	6078	6812	6969	7788	**8669**
11:00	12:00	12:00	11:00	11:00	12:00	11:00	12:00	11:00	20:00	19:00	**19:00**
20:00	21:00	21:00	13:00	13:00	13:00	18:00	13:00	17:00	21:00	20:00	**20:00**
20:00	21:00	21:00	13:00	13:00	13:00	13:00	13:00	13:00	21:00	20:00	**20:00**
4544	4292	4028	3989	3980	4095	4536	3201	4234	4258	4256	**4685**
6207	5969	5695	5238	5300	5599	5926	4271	5427	5323	6535	**6940**
6354	6829	6153	5460	5138	5980	6267	4993	5309	5451	5534	**7495**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

Portugal | **GWh**

MM_YY	PT→ES	UCTE_EXP	Total_EXP	ES→PT	UCTE_IMP	Total_IMP	PT_UCTE	PT_Total
	Export (-)			Import (+)			Balance	
I.95	91	91	91	181	181	181	90	90
II.95	87	87	87	162	162	162	75	75
III.95	102	102	102	202	202	202	100	100
IV.95	115	115	115	210	210	210	95	95
V.95	101	101	101	204	204	204	103	103
VI.95	114	114	114	214	214	214	100	100
VII.95	159	159	159	259	259	259	100	100
VIII.95	174	174	174	281	281	281	107	107
IX.95	207	207	207	297	297	297	90	90
X.95	221	221	221	214	214	214	-7	-7
XI.95	156	156	156	149	149	149	-7	-7
XII.95	215	215	215	197	197	197	-18	-18
1995	**1742**	**1742**	**1742**	**2570**	**2570**	**2570**	**828**	**828**
I.04	268	268	268	689	689	689	421	421
II.04	215	215	215	618	618	618	403	403
III.04	188	188	188	701	701	701	513	513
IV.04	114	114	114	850	850	850	736	736
V.04	143	143	143	754	754	754	611	611
VI.04	118	118	118	733	733	733	615	615
VII.04	146	146	146	805	805	805	659	659
VIII.04	115	115	115	753	753	753	638	638
IX.04	158	158	158	625	625	625	467	467
X.04	190	190	190	727	727	727	537	537
XI.04	217	217	217	595	595	595	378	378
XII.04	258	258	258	673	673	673	415	415
2004	**2130**	**2130**	**2130**	**8523**	**8523**	**8523**	**6393**	**6393**
I.05	409	409	409	942	942	942	533	533
II.05	338	338	338	682	682	682	344	344
III.05	281	281	281	742	742	742	461	461
IV.05	188	188	188	683	683	683	495	495
V.05	158	158	158	716	716	716	558	558
VI.05	216	216	216	677	677	677	461	461
VII.05	267	267	267	782	782	782	515	515
VIII.05	117	117	117	659	659	659	542	542
IX.05	148	148	148	858	858	858	710	710
X.05	150	150	150	931	931	931	781	781
XI.05	181	181	181	894	894	894	713	713
XII.05	353	353	353	911	911	911	558	558
2005	**2806**	**2806**	**2806**	**9477**	**9477**	**9477**	**6671**	**6671**

[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".

Physical exchanges in interconnected operation [1]

Romania | GWh

MM_YY	RO→BG	RO→CS	RO→HU	RO→UA_W	RO→MD	UCTE_EXP	Total_EXP	BG→RO	CS→RO	HU→RO	UA_W→RO	MD→RO	UCTE_IMP	Total_IMP	RO_UCTE	RO_Total
	Export (-)							Import (+)							Balance	
I.95	n.a.	17	n.a.	n.a.	n.a.	17	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	-17	n.a.
II.95	n.a.	10	n.a.	n.a.	n.a.	10	n.a.	n.a.	2	n.a.	n.a.	n.a.	2	n.a.	-8	n.a.
III.95	n.a.	11	n.a.	n.a.	n.a.	11	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	-11	n.a.
IV.95	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
V.95	n.a.	1	n.a.	n.a.	n.a.	1	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	-1	n.a.
VI.95	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VII.95	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VIII.95	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	1	n.a.	n.a.	n.a.	1	n.a.	1	n.a.
IX.95	n.a.	4	n.a.	n.a.	n.a.	4	n.a.	n.a.	1	n.a.	n.a.	n.a.	1	n.a.	-3	n.a.
X.95	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
XI.95	n.a.	1	n.a.	n.a.	n.a.	1	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	-1	n.a.
XII.95	n.a.	20	n.a.	n.a.	n.a.	20	n.a.	n.a.	0	n.a.	n.a.	n.a.	0	n.a.	-20	n.a.
1995	**n.a.**	**64**	**n.a.**	**n.a.**	**n.a.**	**64**	**n.a.**	**n.a.**	**4**	**n.a.**	**n.a.**	**n.a.**	**4**	**n.a.**	**-60**	**n.a.**
I.04	51	254	0	0	0	305	305	48	0	0	0	40	48	88	-257	-217
II.04	62	186	0	0	0	248	248	36	0	0	0	29	36	65	-212	-183
III.04	17	139	0	0	0	156	156	66	0	0	0	27	66	93	-90	-63
IV.04	8	109	0	0	0	117	117	111	2	0	0	25	113	138	-4	21
V.04	27	51	0	0	0	78	78	99	8	0	0	33	107	140	29	62
VI.04	65	69	0	0	0	134	134	113	5	0	0	33	118	151	-16	17
VII.04	94	138	0	0	0	232	232	89	2	0	0	33	91	124	-141	-108
VIII.04	55	171	0	0	0	226	226	111	0	0	0	62	111	173	-115	-53
IX.04	92	196	0	0	0	288	288	144	0	0	0	73	144	217	-144	-71
X.04	92	190	37	0	0	319	319	44	5	2	78	60	51	189	-268	-130
XI.04	128	239	87	1	0	454	455	69	0	12	78	0	81	159	-373	-296
XII.04	41	272	70	0	0	383	383	59	0	17	126	9	76	211	-307	-172
2004	**732**	**2014**	**194**	**1**	**0**	**2940**	**2941**	**2941**	**22**	**31**	**282**	**424**	**1042**	**1748**	**-1898**	**-1193**
I.05	81	280	81	0	0	442	442	23	0	28	56	14	51	121	-391	-321
II.05	60	304	99	6	0	463	469	29	0	8	70	0	37	107	-426	-362
III.05	12	241	82	13	0	335	348	109	0	18	51	0	127	178	-208	-170
IV.05	22	187	45	0	0	254	254	100	0	19	60	0	119	179	-135	-75
V.05	3	51	112	2	0	166	168	90	8	11	43	0	109	152	-57	-16
VI.05	15	98	113	1	0	226	227	84	2	7	53	0	93	146	-133	-81
VII.05	68	115	94	0	0	277	277	54	13	13	73	0	80	153	-197	-124
VIII.05	87	138	102	2	0	327	329	29	7	6	43	0	42	85	-285	-244
IX.05	57	164	97	0	0	318	318	69	0	10	47	0	79	126	-239	-192
X.05	99	213	105	0	0	417	417	86	3	18	69	0	107	176	-310	-241
XI.05	141	348	136	6	0	625	631	55	0	4	45	0	59	104	-566	-527
XII.05	152	364	124	0	0	640	640	2	0	4	73	0	6	79	-634	-561
2005	**797**	**2503**	**1190**	**30**	**0**	**4490**	**4520**	**730**	**33**	**146**	**683**	**14**	**909**	**1606**	**-3581**	**-2914**

[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".

Romania

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	5146
			2005	5132
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	30512
			2005	29764
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	16276
			2005	19908
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	51934
			2005 [3]	54804
Physical import	GWh	Σ	1995	n.a.
			2004	1748
			2005	1606
Physical export	GWh	Σ	1995	n.a.
			2004	2941
			2005	4520
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-1189
			2005	-2919
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	50745
			2005	51885
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	5982
			2005	6269
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	7548
			2005	7328
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	8028
			2005	7974
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	17:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	7548
			2005	7328

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
488	456	439	466	489	470	480	425	0	474	471	488
402	383	487	474	487	468	440	289	283	490	440	489
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3463	3045	2682	1868	1772	1909	2482	2195	2841	2578	2795	2882
3371	3300	2966	2249	1378	1574	1656	1889	2228	2477	3257	3419
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
951	1082	1455	1592	1675	1415	1187	1312	1070	1311	1601	1625
1350	1250	1560	1666	2204	1906	1932	2009	1613	1541	1434	1443
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4902	4583	4576	3926	3936	3794	4149	3932	3911	4363	4867	4995
5123	4933	5013	4389	4069	3948	4028	4187	4124	4508	5131	5351
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
88	65	93	138	140	151	124	173	217	189	159	211
121	107	178	179	152	146	153	85	126	176	104	79
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
305	248	156	117	78	134	232	226	288	319	455	383
442	469	348	254	168	227	277	329	318	417	631	640
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-217	-183	-62	22	62	17	-108	-52	-71	-130	-296	-171
-321	-363	-170	-76	-17	-81	-125	-244	-192	-241	-527	-562
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4685	4400	4514	3948	3998	3811	4041	3880	3840	4233	4571	4824
4802	4570	4843	4313	4052	3867	3903	3943	3932	4267	4604	4789
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5697	5738	5556	5140	5005	4869	4925	4817	4763	5333	5608	**5982**
6269	5952	5802	5510	4936	4844	4670	4794	4936	5321	5568	5766
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7086	7050	6577	6042	6156	6003	6331	5830	5815	6424	6944	**7548**
7328	7235	6583	6459	6052	5983	5785	5983	6431	6729	7023	7143
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7310	7268	6972	6411	6318	6017	6439	6019	6109	6965	7668	**8028**
7810	7748	7384	6689	6225	6134	6041	6114	6590	7192	7731	**7974**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
17:00	18:00	19:00	20:00	11:00	21:00	21:00	12:00	20:00	19:00	17:00	**17:00**
18:00	19:00	19:00	20:00	21:00	21:00	13:00	21:00	20:00	19:00	17:00	**18:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7086	7050	6577	6042	6156	6003	6331	5830	5815	6424	6944	**7548**
7328	7235	6583	6459	6052	5983	5785	5983	6431	6729	7023	7143

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Slovenia

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	5203
			2005	5609
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	4649
			2005	4601
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	3608
			2005	3002
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	14166
			2005	13212
Physical import	GWh	Σ	1995	n.a.
			2004	7442
			2005	9285
Physical export	GWh	Σ	1995	n.a.
			2004	8199
			2005	9540
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-797
			2005	-445
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	13369
			2005	12767
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1368
			2005	1416
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	1966
			2005	1991
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	2049
			2005	2074
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	19:00
			2005	08:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	2103
			2005	2079

Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
501	467	499	463	490	459	472	432	40	422	482	476
492	447	494	441	495	457	492	443	480	448	473	447
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
462	438	444	361	333	296	344	307	433	415	385	431
479	479	428	376	292	398	311	229	289	416	483	421
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
202	167	259	342	381	410	422	276	275	304	340	230
132	126	166	276	291	223	338	343	309	373	207	218
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1226	1128	1265	1227	1267	1226	1303	1068	787	1201	1271	1197
1103	1052	1088	1093	1078	1078	1141	1015	1078	1237	1163	1086
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
498	603	528	707	521	590	598	451	739	623	721	863
894	804	917	853	654	739	803	587	716	881	674	763
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
564	638	580	855	713	755	767	479	483	674	821	870
886	811	860	916	685	764	882	599	732	999	746	660
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-66	-38	-58	-151	-196	-170	-171	-30	252	-56	-103	-10
6	-9	54	-64	-34	-26	-86	-15	-18	-122	-30	-101
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1160	1090	1207	1076	1071	1056	1132	1038	1039	1145	1168	1187
1109	1043	1142	1029	1044	1052	1055	1000	1060	1115	1133	985
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1223	1263	1290	1176	1170	1183	1211	1204	1149	1243	1280	**1368**
1316	1309	1330	1244	1195	1210	1284	1151	1248	1301	1333	**1416**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1838	1861	1800	1762	1708	1723	1763	1716	1733	1825	1917	**1966**
1955	1895	1827	1807	1843	1792	1808	1669	1831	1867	1881	**1991**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1910	1926	1914	1817	1754	1771	1836	1763	1791	1943	**2049**	2031
2003	2013	2010	1870	1849	1847	1848	1721	1957	1997	2068	**2074**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
20:00	19:00	20:00	13:00	12:00	13:00	12:00	12:00	20:00	20:00	**19:00**	18:00
19:00	19:00	20:00	21:00	12:00	13:00	12:00	9:00	20:00	20:00	18:00	**08:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1761	1792	1658	**2103**	1952	1814	1799	1508	1457	1928	1898	1747
1762	1755	1764	1965	1885	1830	1940	1720	1865	**2079**	1913	1728

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

Physical exchanges in interconnected operation [1]

Slovenia | **GWh**

MM_YY	SI→AT	SI→HR	SI→IT	UCTE_EXI	Total_EXP	AT→SI	HR→SI	IT→SI	UCTE_IMP	Total_IMP	SI_UCTE	SI_Total
	Export (-)					Import (+)					Balance	
I.95	3	0	53	56	56	166	0	91	257	257	201	201
II.95	22	0	25	47	47	69	0	99	168	168	121	121
III.95	16	0	28	44	44	101	0	96	197	197	153	153
IV.95	3	0	36	39	39	117	0	80	197	197	158	158
V.95	3	0	58	61	61	212	0	90	302	302	241	241
VI.95	3	0	144	147	147	185	0	41	226	226	79	79
VII.95	2	0	107	109	109	184	0	60	244	244	135	135
VIII.95	8	0	34	42	42	167	0	78	245	245	203	203
IX.95	1	0	84	85	85	126	0	62	188	188	103	103
X.95	4	0	19	23	23	151	0	110	261	261	238	238
XI.95	0	0	21	21	21	179	0	99	278	278	257	257
XII.95	0	0	142	142	142	204	0	38	242	242	100	100
1995	**65**	**0**	**751**	**816**	**816**	**1861**	**0**	**944**	**2805**	**2805**	**1989**	**1989**
I.04	13	126	425	564	564	136	361	1	498	498	-66	-66
II.04	12	96	530	638	638	161	442	0	603	603	-35	-35
III.04	67	35	478	580	580	165	363	0	528	528	-52	-52
IV.04	13	271	571	855	855	168	539	0	707	707	-148	-148
V.04	24	245	444	713	713	158	363	0	521	521	-192	-192
VI.04	5	234	516	755	755	206	384	0	590	590	-165	-165
VII.04	2	248	517	767	767	210	388	0	598	598	-169	-169
VIII.04	18	233	228	479	479	145	304	2	451	451	-28	-28
IX.04	2	36	445	483	483	224	515	0	739	739	256	256
X.04	14	116	544	674	674	139	484	0	623	623	-51	-51
XI.04	16	87	718	821	821	174	547	0	721	721	-100	-100
XII.04	48	58	764	870	870	116	747	0	863	863	-7	-7
2004	**234**	**1785**	**6180**	**8199**	**8199**	**2002**	**5437**	**3**	**7442**	**7442**	**-757**	**-757**
I.05	75	22	789	886	886	126	768	0	894	894	8	8
II.05	40	46	725	811	811	116	688	0	804	804	-7	-7
III.05	42	29	789	860	860	68	849	0	917	917	57	57
IV.05	14	60	842	916	916	116	737	0	853	853	-63	-63
V.05	6	99	580	685	685	76	578	0	654	654	-31	-31
VI.05	68	66	630	764	764	128	611	0	739	739	-25	-25
VII.05	20	130	732	882	882	154	649	0	803	803	-79	-79
VIII.05	50	177	372	599	599	110	477	0	587	587	-12	-12
IX.05	46	140	546	732	732	134	582	0	716	716	-16	-16
X.05	28	137	834	999	999	186	695	0	881	881	-118	-118
XI.05	58	140	548	746	746	93	581	0	674	674	-72	-72
XII.05	86	30	544	660	660	34	729	0	763	763	103	103
2005	**533**	**1076**	**7931**	**9540**	**9540**	**1341**	**7944**	**0**	**9285**	**9285**	**-255**	**-255**

[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".

Physical exchanges in interconnected operation [1]

Slovak Republic | GWh

MM_YY	SK→CZ	SK→HU	SK→PL	SK→UA_W	UCTE_EXP	Total_EXP	CZ→SK	HU→SK	PL→SK	UA_W→SK	UCTE_IMP	Total_IMP	SK_UCTE	SK_Total
	Export (-)						Import (+)						Balance	
I.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
II.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
III.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
IV.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
V.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VI.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VII.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VIII.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
IX.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
X.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
XI.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
XII.95	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
1995	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**0**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**0**	**n.a.**	**0**	**n.a.**
I.04	39	789	0	151	828	979	578	0	292	5	870	875	42	-104
II.04	41	806	0	149	847	996	554	0	316	5	870	875	23	-121
III.04	39	814	0	116	853	969	551	0	312	5	863	868	10	-101
IV.04	31	670	0	111	701	812	541	0	220	4	761	765	60	-47
V.04	65	728	1	51	794	845	409	0	135	9	544	553	-250	-292
VI.04	52	549	4	46	605	651	235	0	96	5	331	336	-274	-315
VII.04	34	671	2	86	707	793	510	0	146	9	656	665	-51	-128
VIII.04	38	632	1	109	671	780	580	0	95	5	675	680	4	-100
IX.04	3	649	0	201	652	853	593	0	201	3	794	797	142	-56
X.04	21	739	0	201	760	961	558	0	246	4	804	808	44	-153
XI.04	53	690	0	162	743	905	405	0	302	5	707	712	-36	-193
XII.04	47	809	0	192	856	1048	531	0	263	5	794	799	-62	-249
2004	**463**	**8546**	**8**	**1575**	**9017**	**10592**	**6045**	**0**	**2624**	**64**	**8669**	**8733**	**-348**	**-1859**
I.05	55	918	0	187	973	1160	547	0	297	0	844	844	-129	-316
II.05	49	822	0	172	871	1043	510	0	282	0	792	792	-79	-251
III.05	35	785	0	99	820	919	538	0	260	0	798	798	-22	-121
IV.05	43	680	0	169	723	892	457	0	272	0	729	729	6	-163
V.05	10	653	0	141	663	804	473	0	213	0	686	686	23	-118
VI.05	49	612	0	109	661	770	414	0	199	0	613	613	-48	-157
VII.05	55	895	0	69	950	1019	508	0	127	2	635	637	-315	-382
VIII.05	112	581	0	83	693	776	375	0	28	2	403	405	-290	-371
IX.05	79	500	0	104	579	683	360	0	156	0	516	516	-63	-167
X.05	89	744	0	157	833	990	474	0	272	0	746	746	-87	-244
XI.05	105	749	0	210	854	1064	530	0	348	0	878	878	24	-186
XII.05	81	867	0	222	948	1170	586	0	338	0	924	924	-24	-246
2005	**762**	**8806**	**0**	**1722**	**9568**	**11290**	**5772**	**0**	**2792**	**4**	**8564**	**8568**	**-1004**	**-2722**

[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".

Slovak Republic

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	15651
			2005	16376
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	8620
			2005	5508
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	4041
			2005	4571
Other renewable net production [1]	GWh	Σ	2005	6
- of which wind	GWh	Σ	2005	6
Not clearly identifiable net production [1]	GWh	Σ	2005	2680
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	28312
			2005 [3]	29141
Physical import	GWh	Σ	1995	n.a.
			2004	8733
			2005	8568
Physical export	GWh	Σ	1995	n.a.
			2004	10592
			2005	11290
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-1862
			2005	-2721
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	147
			2005	137
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	26303
			2005	26283
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	3410
			2005	3373
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	4099
			2005	4010
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	4323
			2005	4323
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	17:00
			2005	17:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	4172
			2005	4219

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1588	1384	1291	953	1230	1219	1119	1240	1213	1370	1424	1620
1672	1491	1282	1084	920	1186	1408	1360	1293	1435	1545	1700
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
849	772	806	749	700	580	606	542	602	754	821	839
537	541	533	373	453	328	292	231	399	596	641	584
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
277	371	438	409	362	432	367	272	251	260	290	312
354	330	471	578	578	392	427	512	268	226	173	262
1	0	1	0	1	0	0	0	0	1	1	1
1	0	1	0	1	0	0	0	0	1	1	1
259	243	261	222	202	191	181	195	183	224	249	270
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2714	2527	2535	2111	2292	2231	2092	2054	2066	2384	2535	2771
2823	2605	2548	2257	2154	2097	2308	2298	2143	2482	2609	2817
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
875	875	868	765	553	336	665	680	797	808	712	799
844	792	798	729	686	613	637	405	516	746	878	924
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
979	996	969	812	845	651	793	780	853	961	905	1048
1160	1043	919	892	804	770	1019	776	683	990	1064	1170
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-104	-120	-101	-48	-291	-316	-129	-99	-56	-154	-193	-251
-316	-251	-121	-163	-117	-157	-381	-370	-168	-244	-187	-246
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
19	13	17	9	3	5	5	11	17	14	17	17
13	4	8	12	6	6	5	16	15	16	18	18
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2591	2394	2417	2054	1998	1910	1958	1944	1993	2216	2325	2503
2494	2350	2419	2082	2031	1934	1922	1912	1960	2222	2404	2553
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3410	3361	2997	2776	2583	2596	2661	2473	2722	2953	3161	3174
3373	3337	3152	2651	2543	2574	2558	2437	2598	2995	3154	**3373**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3862	3856	3395	3194	3151	3143	3153	3040	3275	3567	3684	**4099**
4010	3886	3351	3333	3326	3244	3083	3142	3285	3543	3812	3915
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4167	4056	3727	3305	3202	3192	3189	3196	3479	3775	4004	**4323**
4172	4106	3900	3450	3384	3244	3163	3188	3435	3837	4033	**4323**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
17:00	19:00	19:00	21:00	13:00	12:00	12:00	21:00	19:00	19:00	17:00	**17:00**
19:00	19:00	19:00	20:00	12:00	11:00	12:00	12:00	20:00	19:00	17:00	**17:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3991	3924	3507	3111	3421	3420	3196	3068	3122	3623	3624	**4172**
4219	4140	3595	3373	3200	3159	3414	3503	3364	3558	3949	4048

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Denmark West

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	24247
			2005	15472
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	24
			2005	23
Other renewable net production [1]	GWh	Σ	2005	6386
- of which wind	GWh	Σ	2005	5038
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	24516
			2005 [3]	21881
Physical import	GWh	Σ	1995	n.a.
			2004	5044
			2005	7367
Physical export	GWh	Σ	1995	n.a.
			2004	8459
			2005	7948
Total physical import/export balance 2	GWh	Σ	1995	n.a.
			2004	-3419
			2005	-585
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	21097
			2005	21296
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	2149
			2005	2113
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	3483
			2005	3545
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	3588
			2005	3569
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	18:00
			2005	18:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	5411
			2005	4609

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

Denmark West

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2620	2394	2547	1871	1649	1651	1368	1431	1676	2032	2419	2589
1531	1563	1736	1121	1015	1146	958	1107	1199	1228	1295	1573
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1	3	3	2	2	1	1	1	2	2	3	3
4	3	3	2	2	1	1	1	1	1	2	2
910	583	559	482	446	455	336	440	425	466	581	703
815	482	435	377	344	347	226	330	304	340	465	573
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2647	2421	2576	1892	1668	1669	1383	1446	1695	2055	2446	2618
2445	2149	2298	1605	1463	1602	1295	1548	1625	1695	1878	2278
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
250	229	230	452	591	545	524	659	499	503	299	263
392	507	475	764	784	624	627	604	611	594	790	595
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
900	846	921	699	634	558	419	391	509	767	857	958
880	835	895	679	578	568	364	444	541	511	759	894
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-651	-618	-692	-246	-43	-14	104	267	-10	-264	-558	-694
-488	-329	-420	84	205	56	263	160	70	81	31	-298
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1996	1803	1884	1646	1625	1655	1487	1713	1685	1791	1888	1924
1957	1820	1878	1689	1668	1658	1558	1708	1695	1776	1909	1980
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2149	1988	1892	1845	1888	1868	1513	1800	1731	1883	1956	2045
1953	**2113**	2053	1840	1832	1823	1550	1812	1834	1779	1981	2034
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3483	3246	3092	3067	3010	2927	2482	3071	2944	3044	3341	3479
3485	**3545**	3365	3062	3030	3029	2481	3093	3053	2996	3257	3454
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3588	3294	3092	3067	3010	2927	2482	3071	2944	3186	3405	3552
3538	**3569**	3365	3078	3083	3029	2497	3093	3053	3064	3445	3527
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
18:00	18:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	18:00	18:00	17:00
18:00	**18:00**	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	18:00	11:00
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3772	3698	4649	3026	4041	4371	2315	2360	4289	4318	3211	**5411**
3061	3995	**4609**	3154	2869	3012	2554	2998	3191	3471	3219	3765

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

Physical exchanges in interconnected operation [1]

Denmark West | GWh

MM_YY	DK_W→DE	DK_W→NO	DK_W→SE	UCTE_EXP	Total_EXP	DE→DK_W	NO→DK_W	SE→DK_W	UCTE_IMP	Total_IMP	DK_W_UCTE	DK_W_Total
	Export (-)					Import (+)					Balance	
I.95	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.95	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.95	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.95	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.95	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.95	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.95	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.95	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.95	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.95	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.95	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.95	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1995	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**
I.04	394	383	123	394	900	109	117	24	109	250	-285	-650
II.04	343	385	118	343	846	134	68	27	134	229	-209	-617
III.04	461	376	84	461	921	96	110	24	96	230	-365	-691
IV.04	251	426	22	251	699	218	89	145	218	452	-33	-247
V.04	261	316	57	261	634	286	170	135	286	591	25	-43
VI.04	212	288	58	212	558	337	129	79	337	545	125	-13
VII.04	196	222	1	196	419	161	116	247	161	524	-35	105
VIII.04	167	194	30	167	391	304	206	149	304	659	137	268
IX.04	346	152	11	346	509	182	199	118	182	499	-164	-10
X.04	445	309	13	445	767	171	124	208	171	503	-274	-264
XI.04	415	392	50	415	857	148	56	95	148	299	-267	-558
XII.04	551	337	70	551	958	67	98	98	67	263	-484	-695
2004	**4042**	**3780**	**637**	**4042**	**8459**	**2213**	**1482**	**1349**	**2213**	**5044**	**-1829**	**-3415**
I.05	698	115	67	698	880	3	319	70	3	392	-695	-488
II.05	734	27	74	734	835	0	436	71	0	507	-734	-328
III.05	669	99	127	669	895	59	362	54	59	475	-610	-420
IV.05	641	24	14	641	679	31	532	201	31	764	-610	85
V.05	522	47	9	522	578	78	478	228	78	784	-444	206
VI.05	554	9	5	554	568	18	320	286	18	624	-536	56
VII.05	361	3	0	361	364	2	333	292	2	627	-359	263
VIII.05	410	24	10	410	444	78	271	255	78	604	-332	160
IX.05	537	4	0	537	541	12	294	305	12	611	-525	70
X.05	481	23	7	481	511	33	304	257	33	594	-448	83
XI.05	740	7	12	740	759	8	602	180	8	790	-732	31
XII.05	736	84	74	736	894	17	460	118	17	595	-719	-299
2005	**7083**	**466**	**399**	**7083**	**7948**	**339**	**4711**	**2317**	**339**	**7367**	**-6744**	**-581**

[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".

Physical exchanges in interconnected operation [1]

Ukraine West | GWh

MM_YY	UA_W→HU	UA_W→RO	UA_W→SK	UCTE_EXP	Total_EXP	HU→UA_W	RO→UA_W	SK→UA_W	UCTE_IMP	Total_IMP	UA_W_UCTE	UA_W_Total
	Export (-)					Import (+)					Balance	
I.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
II.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
III.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
IV.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
V.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VI.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VII.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
VIII.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
IX.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
X.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
XI.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
XII.95	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	0	n.a.	0	n.a.
1995	**n.a.**	**n.a.**	**n.a.**	**0**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**0**	**n.a.**	**0**	**n.a.**
I.04	326	0	5	331	331	4	0	151	155	155	-176	-176
II.04	427	0	5	432	432	1	0	149	150	150	-282	-282
III.04	417	0	5	422	422	15	0	116	131	131	-291	-291
IV.04	367	0	4	371	371	0	0	111	111	111	-260	-260
V.04	336	0	9	345	345	0	0	51	51	51	-294	-294
VI.04	316	0	5	321	321	0	0	46	46	46	-275	-275
VII.04	346	0	9	355	355	0	0	86	86	86	-269	-269
VIII.04	401	0	5	406	406	0	0	109	109	109	-297	-297
IX.04	484	0	3	487	487	0	0	201	201	201	-286	-286
X.04	421	78	4	503	503	0	0	201	201	201	-302	-302
XI.04	370	78	5	453	453	3	1	162	166	166	-287	-287
XII.04	362	126	5	493	493	3	0	192	195	195	-298	-298
2004	**4573**	**282**	**64**	**4919**	**4919**	**26**	**1**	**1575**	**1602**	**1602**	**-3317**	**-3317**
I.05	438	56	0	494	494	0	0	187	187	187	-307	-307
II.05	406	70	0	476	476	0	6	172	178	178	-298	-298
III.05	386	51	0	437	437	15	13	99	127	127	-310	-310
IV.05	403	60	0	463	463	3	0	169	172	172	-291	-291
V.05	389	43	0	432	432	2	2	141	145	145	-287	-287
VI.05	353	53	0	406	406	0	1	109	110	110	-296	-296
VII.05	228	73	2	303	303	0	0	69	69	69	-234	-234
VIII.05	373	43	2	418	418	5	2	83	90	90	-328	-328
IX.05	412	47	0	459	459	1	0	104	105	105	-354	-354
X.05	426	69	0	495	495	0	0	157	157	157	-338	-338
XI.05	509	45	0	554	554	0	6	210	216	216	-338	-338
XII.05	491	73	0	564	564	0	0	222	222	222	-342	-342
2005	**4814**	**683**	**4**	**5501**	**5501**	**26**	**30**	**1722**	**1778**	**1778**	**-3723**	**-3723**

[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".

Ukraine West

Monthly values / Operation

				I-XII
Thermal nuclear net production	GWh	Σ	1995	n.a.
			2004	0
			2005	0
Thermal conventional net production	GWh	Σ	1995	n.a.
			2004	7547
			2005	7976
Hydraulic net production	GWh	Σ	1995	n.a.
			2004	141
			2005	110
Other renewable net production [1]	GWh	Σ	2005	0
- of which wind	GWh	Σ	2005	0
Not clearly identifiable net production [1]	GWh	Σ	2005	0
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004 [3]	7688
			2005 [3]	8086
Physical import	GWh	Σ	1995	n.a.
			2004	1602
			2005	1778
Physical export	GWh	Σ	1995	n.a.
			2004	4919
			2005	5501
Total physical import/export balance [2]	GWh	Σ	1995	n.a.
			2004	-3262
			2005	-3724
Consumption of pumps	GWh	Σ	1995	n.a.
			2004	0
			2005	0
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	n.a.
			2004	4426
			2005	4362
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	680
			2005	726
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	866
			2005	833
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	n.a.
			2004	975
			2005	978
Time of maximum load on the 3rd Wednesday		CET	1995	n.a.
			2004	18:00
			2005	17:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	n.a.
			2004	1375
			2005	1356

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
646	708	692	572	591	548	559	541	597	659	684	750
770	729	735	625	583	585	513	594	608	700	747	787
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4	10	14	19	18	9	7	12	4	14	14	16
6	6	11	19	20	11	6	9	6	4	5	7
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
650	718	706	591	609	557	566	553	601	673	698	766
776	735	746	644	603	596	519	603	614	704	752	794
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
155	150	131	111	51	46	86	109	201	201	166	195
187	178	127	172	145	110	69	90	105	157	216	222
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
331	432	422	371	345	321	355	406	487	503	453	493
494	476	437	463	432	406	303	418	459	495	554	564
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-170	-277	-286	-255	-290	-271	-265	-294	-282	-298	-281	-293
-307	-297	-310	-291	-286	-296	-235	-329	-354	-338	-338	-343
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
480	441	420	336	319	286	301	259	319	375	417	473
469	438	436	353	317	300	284	274	260	366	414	451
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
660	**680**	575	462	462	407	435	382	456	556	606	678
726	661	631	505	487	458	406	390	398	570	592	677
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
779	805	692	549	584	573	575	506	557	634	770	**866**
827	799	734	669	578	574	576	567	494	712	749	**833**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
919	939	877	702	684	599	613	575	702	807	918	**975**
954	957	869	785	644	657	629	601	619	857	874	**978**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
19:00	19:00	19:00	21:00	21:00	21:00	21:00	21:00	20:00	19:00	18:00	**18:00**
18:00	18:00	18:00	20:00	20:00	21:00	21:00	20:00	20:00	19:00	18:00	**17:00**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1293	1310	1204	977	1098	1087	1078	1017	1066	1136	1280	**1375**
1339	1292	1246	1183	1090	1081	919	1083	1033	1211	1247	**1356**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

[3] including deliveries from industry

				I-XII
Thermal nuclear net production	GWh	Σ	1995	627731
			2004	798627
			2005	792648
Thermal conventional net production	GWh	Σ	1995	732766
			2004	1356268
			2005	1349313
Hydraulic net production	GWh	Σ	1995	265837
			2004	319770
			2005	292334
Other renewable net production [1]	GWh	Σ	2005	89904
- of which wind	GWh	Σ	2005	54684
Not clearly identifiable net production [1]	GWh	Σ	2005	7501
Total net electrical energy production, calculated to represent 100% of the national values	GWh	Σ	1995 [3]	1740224
			2004 [3]	2505194
			2005 [3]	2539701
Physical import	GWh	Σ	1995	148589
			2004	270415
			2005	322241
Physical export	GWh	Σ	1995	155436
			2004	276713
			2005	316500
Total physical import/export balance [2]	GWh	Σ	1995	-8377
			2004	-10275
			2005	2899
Consumption of pumps	GWh	Σ	1995	24597
			2004	45195
			2005	46509
National electrical consumption, calculated to represent 100% of the national values	GWh	Σ	1995	1707250
			2004	2449724
			2005	2496091
Consumption load 3:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	188634
			2004	280126
			2005	281146
Consumption load 11:00 a.m. on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	262745
			2004	372593
			2005	378976
Maximum load on the 3rd Wednesday, calculated to represent 100% of the national values	MW	max.	1995	196290
			2004	386414
			2005	389858
Time of maximum load on the 3rd Wednesday		CET	1995	19:00
			2004	19:00
			2005	19:00
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1995	264082
			2004	371039
			2005	375934

[1] Before 2005, the information on renewable and not identifiable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
63207	52865	55077	51079	46717	45864	46023	47445	47334	53388	57630	61102
77598	68276	67874	64610	60221	57464	62865	59283	60144	68415	72735	79142
78395	68556	69710	61589	59682	58276	60048	60580	62361	66938	69743	76770
67122	56955	65672	54411	54195	51704	54993	52142	62412	66174	72303	74683
125712	119626	124957	103609	99745	100648	106351	102447	110977	115472	119821	126903
121335	120116	122206	104388	98681	104027	108837	98369	104896	110832	124406	131220
23767	21923	24651	22096	25698	26007	25636	19249	20504	18838	17116	20352
27245	26269	28766	27509	32221	32125	28533	23966	21395	21958	25266	24517
23404	23153	25435	27744	30956	27340	25626	23443	21714	21102	20171	22246
11133	8125	7763	6802	6291	5493	6510	6554	6153	7754	8053	9273
8626	5722	5120	4156	3637	2968	3310	3334	3029	4403	4586	5793
349	328	343	812	922	673	718	723	623	678	560	772
164736	141018	155428	136380	135191	131830	134859	126904	139539	148577	158021	167741
233168	216712	224291	198142	194665	192861	200437	188075	194935	208269	220426	233213
235315	220932	226131	201958	197158	196464	202456	190298	196393	207971	223613	241012
13188	11473	12619	12119	12437	11419	12537	12000	12351	12564	12699	13183
25535	23701	23937	21792	19894	19023	20247	19430	21714	23529	24646	26967
30094	27992	28900	26916	24679	25210	25667	24119	24226	27392	28118	28928
13823	12140	13180	12907	12952	11863	13164	12687	13229	13346	13101	13044
26249	24140	23538	22481	20430	20080	20812	20657	22093	24374	25039	26820
29025	26426	28347	26306	24932	24228	25175	24428	23506	27468	27765	28894
-1059	-241	-861	-870	-551	-469	-963	-1004	-1005	-1038	-603	287
-1040	-788	24	-1004	-876	-1372	-886	-1567	-723	-1071	-744	-228
801	1271	322	442	-428	870	316	-474	513	-260	58	-532
1854	1423	1554	1815	2053	2143	2493	2048	2143	2380	2242	2449
3882	3308	3489	3477	3712	3726	4107	3821	3646	4062	3850	4115
3907	3296	3865	3573	4011	3774	4229	3792	3789	4109	3838	4326
161823	139354	153013	133695	132587	129218	131403	123852	136391	145159	155176	165579
228246	212616	220826	193661	190077	187763	195444	182687	190566	203136	215832	228870
232209	218907	222588	198827	192719	193560	198543	186032	193117	203602	219833	236154
188634	171753	177604	158081	149026	144475	144541	122639	146386	149160	166339	186011
268135	262006	236881	231356	216120	214378	222338	202983	214688	233252	254363	**280126**
270890	278303	247778	228461	218029	217011	223335	198726	219341	227123	248626	**281146**
260431	241913	244822	229781	226107	223701	221885	190190	233728	229829	244849	**262745**
358928	354471	325146	320253	310236	315584	323735	289482	320608	331370	352459	**372593**
370163	368101	333951	328905	317388	317041	325335	285600	318950	331841	351694	**378976**
196290	178102	181142	167209	164584	162920	164317	135987	161611	166232	172195	186557
369073	362109	331274	320253	311036	318631	327316	294232	322244	332401	362472	**386414**
380001	381036	343430	328905	318330	320708	329014	290404	319599	336998	365056	**389858**
19:00	10:00	11:00	11:00	11:00	11:00	11:00	12:00	11:00	19:00	10:00	10:00
19:00	19:00	20:00	11:00	12:00	12:00	12:00	12:00	12:00	20:00	19:00	**19:00**
19:00	19:00	20:00	11:00	12:00	12:00	12:00	12:00	12:00	20:00	19:00	**19:00**
257604	238052	240514	229564	226103	222568	222504	191904	235200	235465	250977	**264082**
361083	352094	324733	318399	310368	313939	326847	289929	318070	331436	352771	**371039**
362501	360995	329426	323025	317860	320094	323493	290301	322610	333549	353913	**375934**

[2] Terminology 2.15, see also note Physical energy exchange in interconnected operation

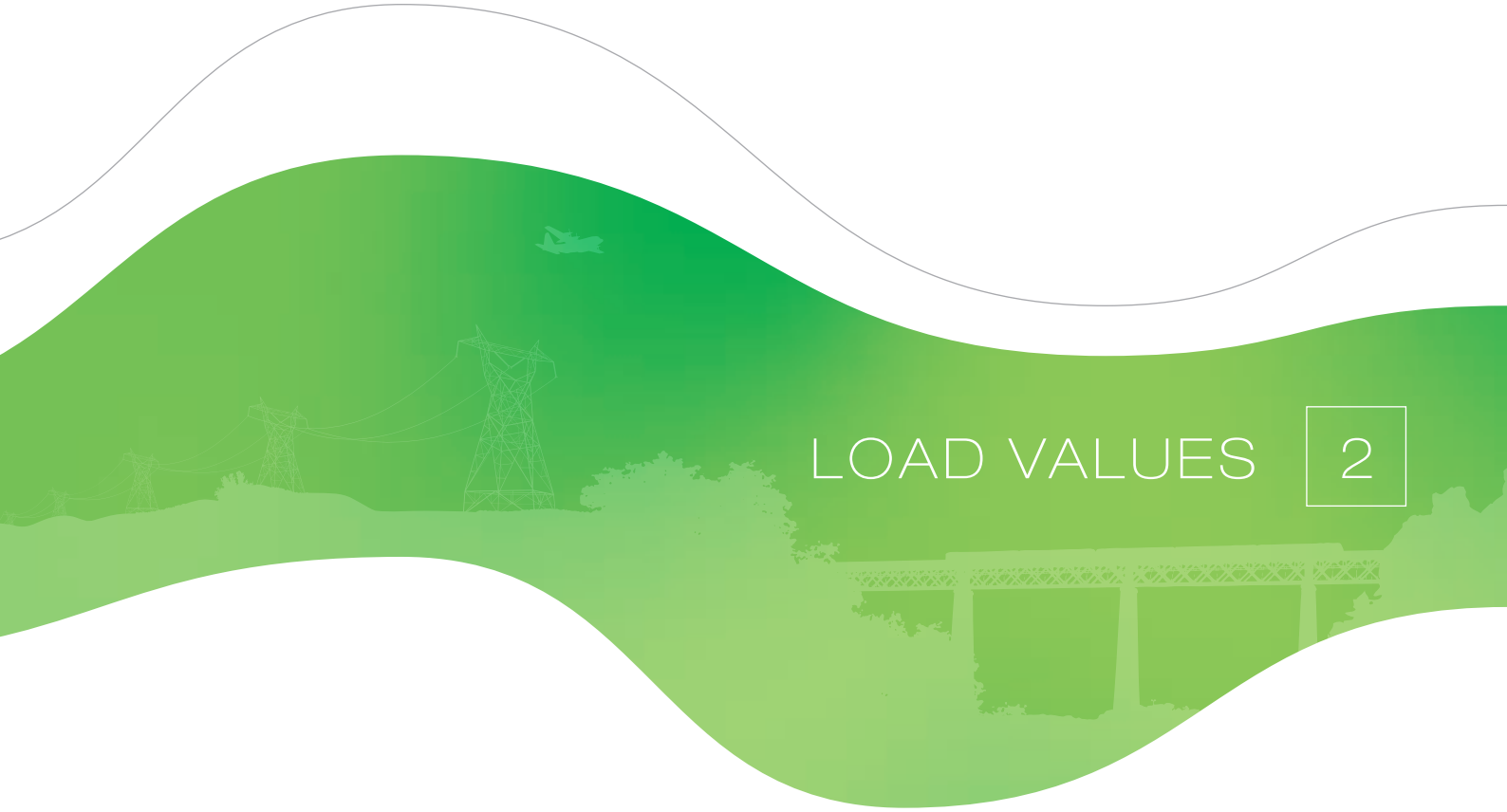
[3] including deliveries from industry

[4] Denmark West and Ukraine West are not part of UCTE values

Annual physical electricity exchange in interconnected operation (GWh)

EXPORTING COUNTRIES	Year	IMPORTING COUNTRIES AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR	HR
AT	1995					1973		9	4527				
	2004					4419		9	4465				
	2005					9119		12	6995				
BA	1995						0						0
	2004						1499						2099
	2005						893						2735
BE	1995										1243		
	2004										1179		
	2005										2222		
BG	1995						103					649	
	2004						2001					3633	
	2005						2760					4553	
CH	1995	291							5536		386		
	2004	309							2786		2304		
	2005	211							1573		2637		
CS	1995		0		3								0
	2004		731		8								1040
	2005		911		4								4138
CZ	1995	2080							2267				
	2004	6248							13116				
	2005	6114							13022				
DE	1995	5432				7014		271			41		
	2004	8922				11830		144			396		
	2005	15371				18074		405			494		
ES	1995										377		
	2004										760		
	2005										749		
FR	1995			5584		9116			16974	5890			
	2004			7597		9820			15482	6034			
	2005			6755		9974			16233	7284			
GR	1995				9								
	2004				1								
	2005				0								
HR	1995		0				0						
	2004		919				1						
	2005		1340				2						
HU	1995	270					0						110
	2004	740					394						5130
	2005	857					1693						6689
IT	1995	0				10					265	0	
	2004	0				14					544	191	
	2005	2				131					702	268	
LU	1995			0					745				
	2004			2382					751				
	2005			2358					785				
MK	1995						n.a.					542	
	2004						0					833	
	2005						0					796	
NL	1995			3640					210				
	2004			4633					558				
	2005			5075					325				
PL	1995							n.a.	2350				
	2004							9154	450				
	2005							11165	1046				
PT	1995									1742			
	2004									2130			
	2005									2806			
RO	1995				n.a.		64						
	2004				732		2014						
	2005				797		2503						
SI	1995	65											0
	2004	234											1785
	2005	533											1076
SK	1995							n.a.					
	2004							463					
	2005							762					
DK_W	1995								n.a.				
	2004								4042				
	2005								7083				
UA_W	1995												
	2004												
	2005												
UCTE	1995	5788	0	9224	12	18113	0	280	27992	7632	2312	542	0
	2004	16453	1650	14612	741	26083	5909	9770	37608	8164	5183	4657	10054
	2005	23088	2251	14188	801	37298	7852	12344	39979	10090	6804	5617	14638
Third countries	1995	2350	0	0	n.a.	0	240	n.a.	10084	0	25	846	110
	2004	0	0	0	0	0	151	0	6606	18	812	205	0
	2005	0	0	0	0	0	711	0	13483	111	791	15	0
Total Import	1995	8138	0	9224	n.a.	18113	240	n.a.	38076	7632	2337	1388	110
	2004	16453	1650	14612	741	26083	6060	9770	44214	8182	5995	4862	10054
	2005	23088	2251	14188	801	37298	8563	12344	53462	10201	7595	5632	14638
UCTE Balance	1995	-3896	0	3899	-740	-7030	0	-4067	-1599	4685	-53290	348	0
	2004	3459	-1948	7808	-5882	769	2201	-15719	-9127	-1119	-50875	3130	3697
	2005	3315	-1377	6166	-7576	7470	760	-12627	-20924	-136	-47935	4835	5352
Total Balance	**1995**	**-2137**	**0**	**3899**	**n.a.**	**-7030**	**206**	**n.a.**	**4181**	**4685**	**-69343**	**794**	**109**
	2004	**3459**	**-1948**	**7808**	**-5882**	**769**	**2030**	**-15719**	**-7305**	**-2680**	**-60387**	**2819**	**3697**
	2005	**3315**	**-1377**	**6166**	**-7576**	**7470**	**1278**	**-12627**	**-8460**	**-923**	**-58653**	**3794**	**5352**

HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	DK_W	UA_W	UCTE	Third countries	Total Export
582 478 809	1323 1621 1497							1861 2002 1341				9684 12994 19773	591 0 0	**10275** **12994** **19773**
												0 3598 3628	0 0 0	**0** **3598** **3628**
		1370 1572 1367		2712 4053 4433								5325 6804 8022	0 0 0	**5325** **6804** **8022**
							0 989 730					752 6623 8377	n.a. 0 0	**n.a.** **6623** **8377**
	18930 19915 25407											25143 25314 29828	0 0 0	**25143** **25314** **29828**
0 0 16			0 1907 1990				4 22 33					0 3708 7092	34 322 193	**34** **4030** **7285**
					n.a. 80 63				n.a. 6045 5772			4347 25489 24971	n.a. 0 0	**n.a.** **25489** **24971**
		4267 4928 5033		12837 17357 19260	3884 3158 2266					n.a. 2213 339		29591 46735 60903	4304 4784 1019	**33895** **51519** **61922**
						2570 8523 9477						2947 9283 10226	0 1579 898	**2947** **10862** **11124**
	18038 17125 14493											55602 56058 54739	16078 10324 11509	**71680** **66382** **66248**
	0 1424 711		194 102 71									194 1527 782	400 516 1056	**594** **2043** **1838**
1 0 0								0 5437 7944				0 6357 9286	1 0 0	**1** **6357** **9286**
							n.a. 31 146		n.a. 0 0		n.a. 26 26	380 6295 9385	n.a. 26 26	**n.a.** **6321** **9411**
								944 3 0				1219 752 1103	0 0 0	**1219** **752** **1103**
												745 3133 3143	0 0 0	**745** **3133** **3143**
												542 833 797	0 0 0	**542** **833** **797**
												3850 5191 5400	0 0 0	**3850** **5191** **5400**
									n.a. 2624 2792			2350 12228 15003	n.a. 2375 1182	**n.a.** **14603** **16185**
												1742 2130 2806	0 0 0	**1742** **2130** **2806**
n.a. 194 1190											n.a. 1 30	64 2940 4490	n.a. 1 30	**n.a.** **2941** **4520**
	751 6180 7931											816 8199 9540	0 0 0	**816** **8199** **9540**
n.a. 8546 8806					n.a. 8 0						n.a. 1575 1722	0 9017 9568	n.a. 1575 1722	**n.a.** **10592** **11290**
												n.a. 4042 7083	n.a. 4417 865	**n.a.** **8459** **7948**
n.a. 4573 4814							n.a. 282 683		n.a. 64 4			0 4919 5501	n.a. 0 0	**n.a.** **4919** **5501**
583 9218 10821	39042 46265 50039	5637 6500 6400	194 2009 2395	15549 21410 23693	3884 3246 2329	2570 8523 9477	4 1042 909	2805 7442 9285	0 8669 8564	n.a. 2213 339	0 1602 1778	145293 255208 298862		**158808** **268511** **316497**
n.a. 4573 4814	0 0 0	0 0 0	0 0 0	0 0 0	n.a. 2066 2676	0 0 0	n.a. 706 697	0 0 0	n.a. 64 4	n.a. 2831 7028	n.a. 0 0	13655 15201 23302		
n.a. 13791 15635	39042 46265 50039	5637 6500 6400	194 2009 2395	15549 21410 23693	n.a. 5312 5005	2570 8523 9477	n.a. 1748 1606	2805 7442 9285	n.a. 8733 8568	n.a. 5044 7367	n.a. 1602 1778	151055 270409 322164		
203 2923 1436	37823 45513 48936	4892 3367 3257	-348 1176 1598	11699 16219 18293	1534 -8982 -12674	828 6393 6671	-60 -1898 -3581	1989 -757 -255	0 -348 -1004	n.a. -1829 -6744	n.a. -3317 -3723			
n.a. **7470** **6224**	**37823** **45513** **48936**	**4892** **3367** **3257**	**-348** **1176** **1598**	**11699** **16219** **18293**	**n.a.** **-9291** **-11180**	**828** **6393** **6671**	**n.a.** **-1193** **-2914**	**1989** **-757** **-255**	**n.a.** **-1859** **-2722**	**n.a.** **-3415** **-581**	**n.a.** **-3317** **-3723**			



LOAD VALUES 2

Load values [1]

II

HOURLY LOAD VALUES PER COUNTRY - GRAPHS AND TABLES

[1] **All values are calculed to represent 100% of the national values**

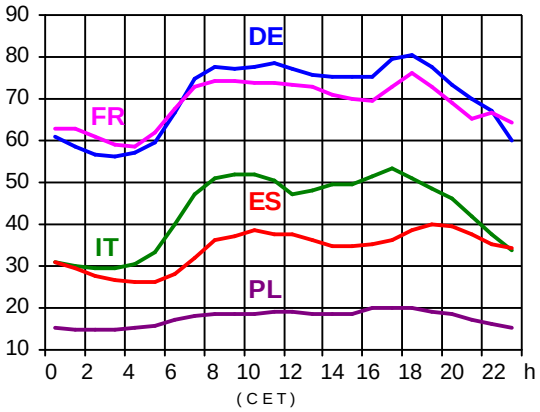
Load diagrams on the 3rd Wednesday

Tables hourly load values on each 3rd Wednesday in 2005

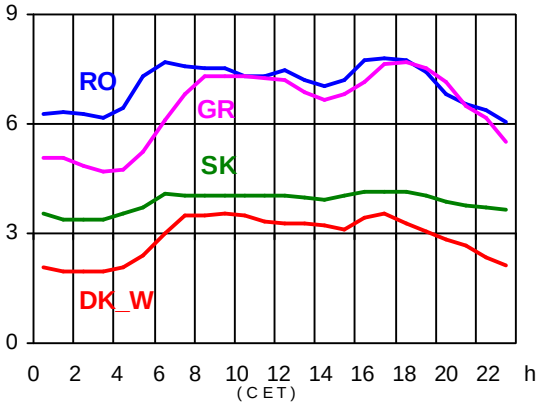
[2] Values estimated on the basis of the vertical load. The vertical load is the total amount of the power flows out of the transmission network into distribution and large consumer networks.
[3] FYROM = Former Yugoslav Republic of Macedonia
[4] Denmark West represents the Western part of Denmark synchronously interconnected with UCTE (Jutland and Funen)
[5] Ukraine West represents the so-called Burshtyn Island synchronously interconnected with UCTE

Load diagrams on the 3rd Wednesday in GW

19.01.2005 **(in GW)**



19.01.2005 **(in GW)**



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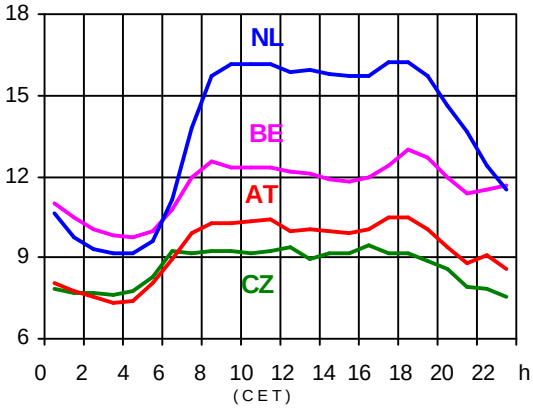

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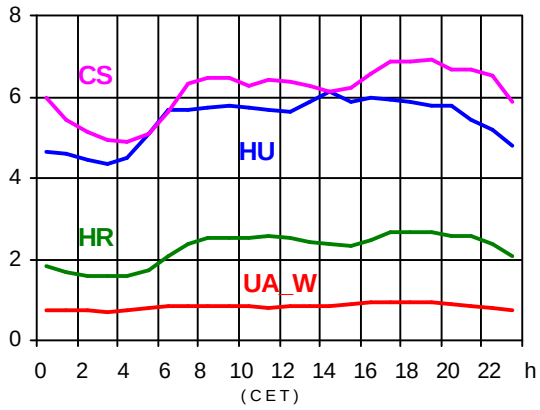

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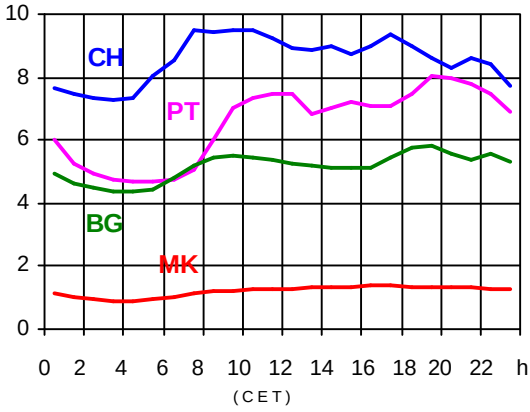

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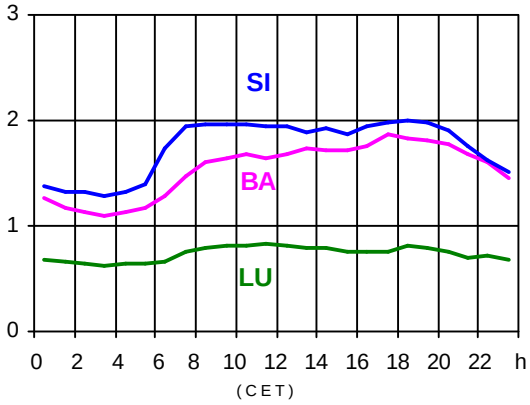

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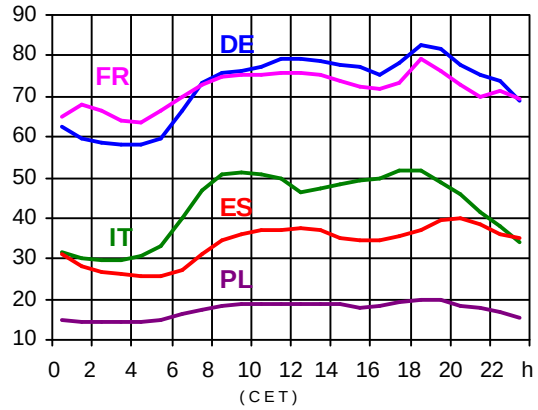

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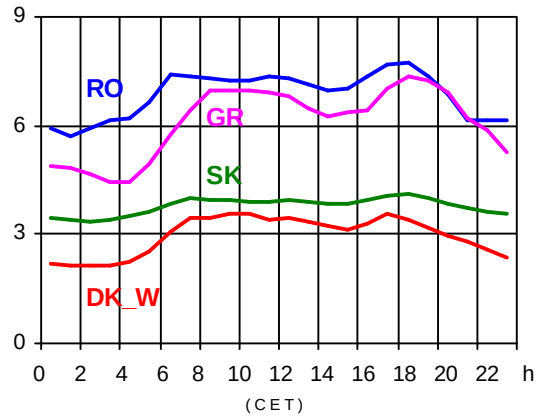

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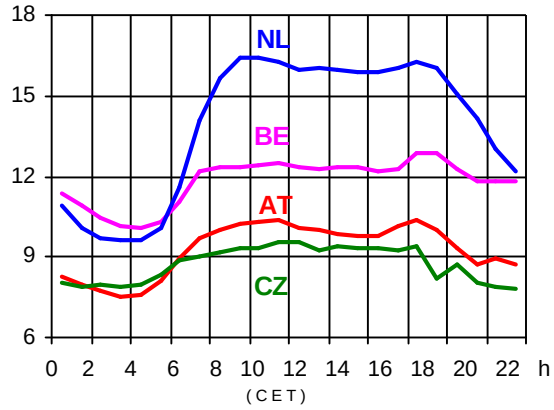

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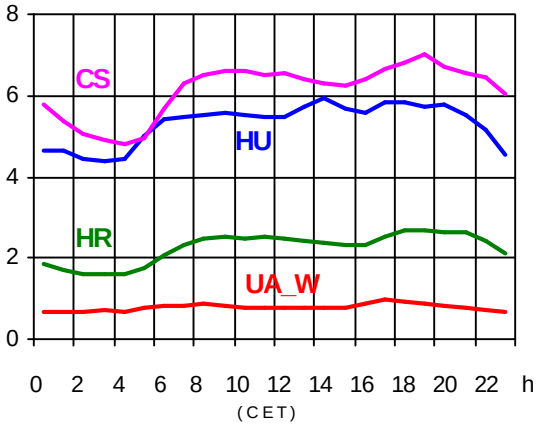

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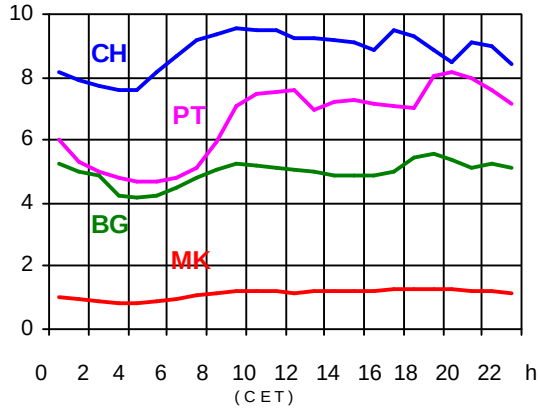

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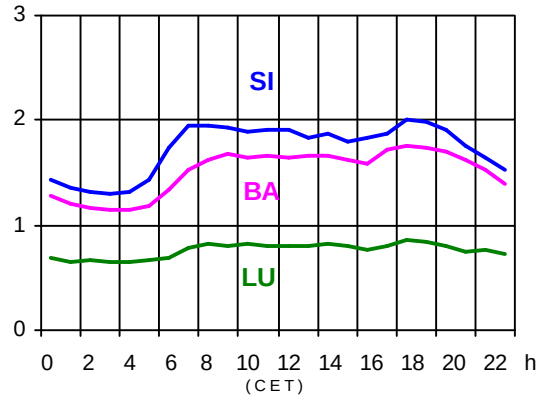

Load diagrams on the 3rd Wednesday in GW

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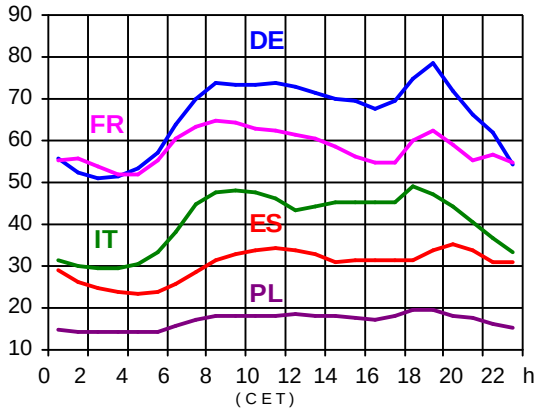

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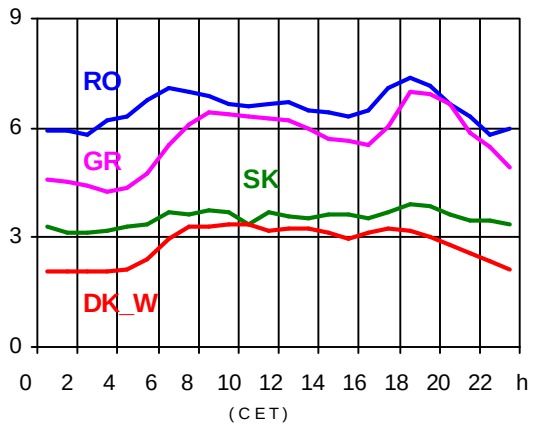

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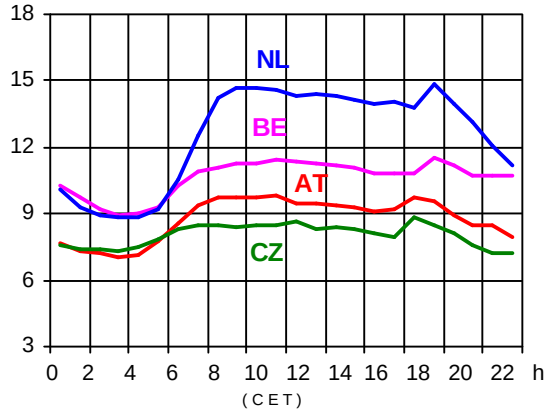

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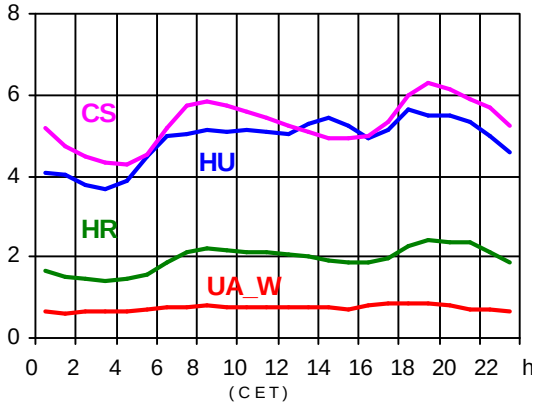

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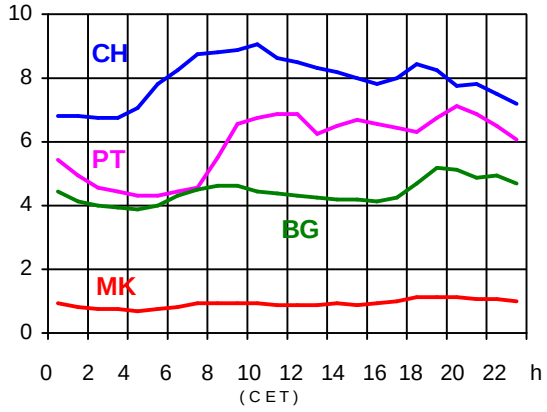

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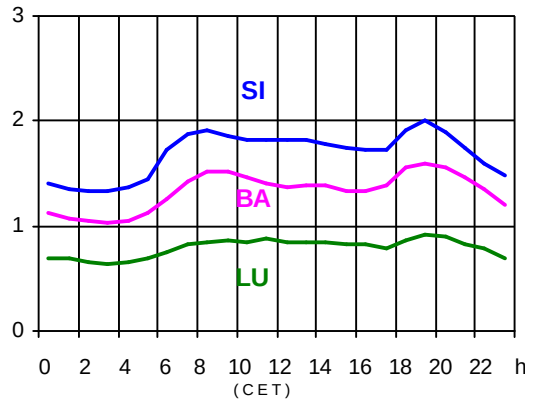

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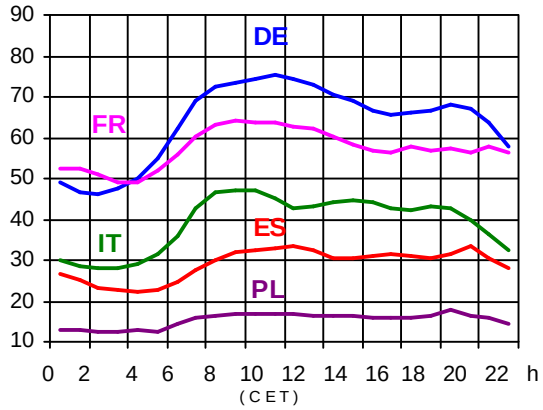

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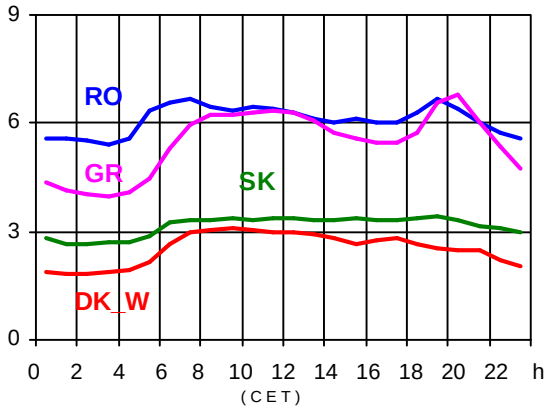

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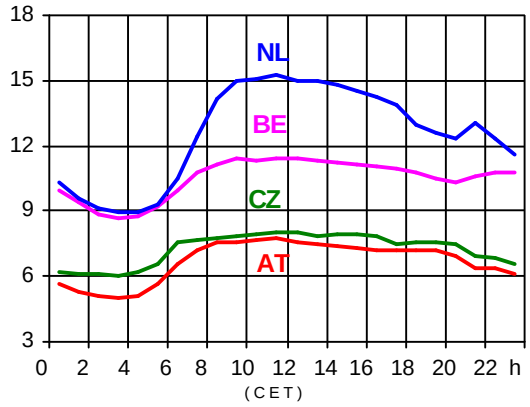

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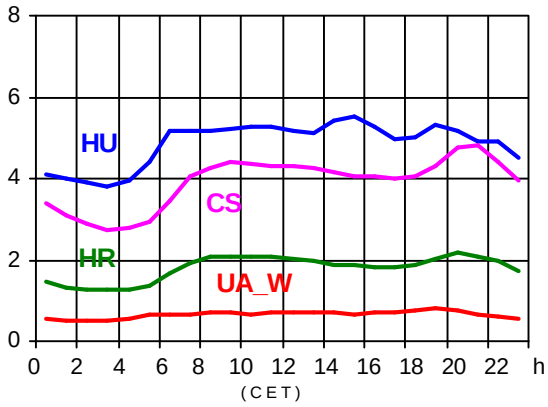

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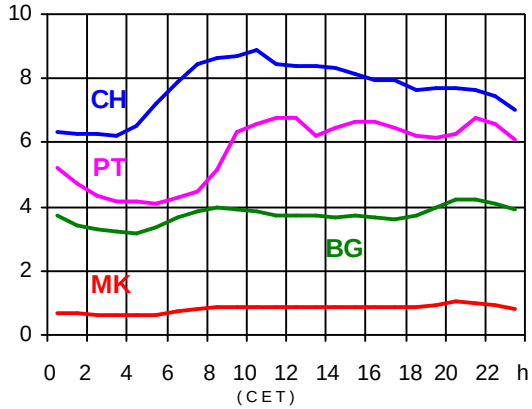

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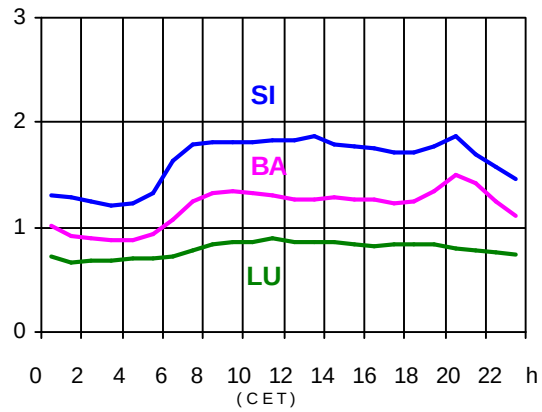

Load diagrams on the 3rd Wednesday in GW

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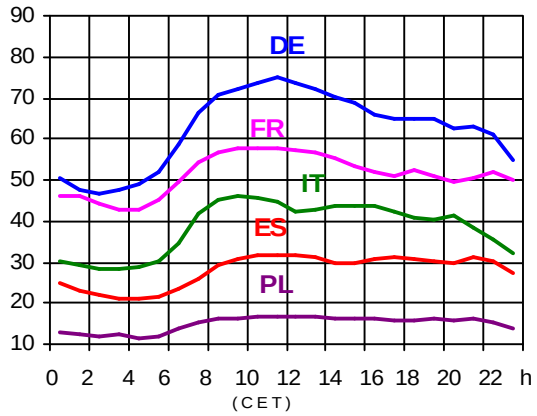

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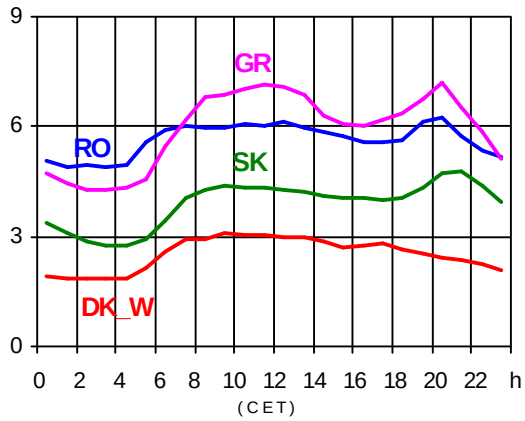

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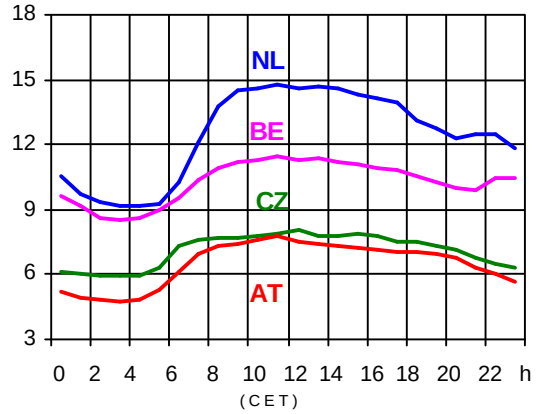

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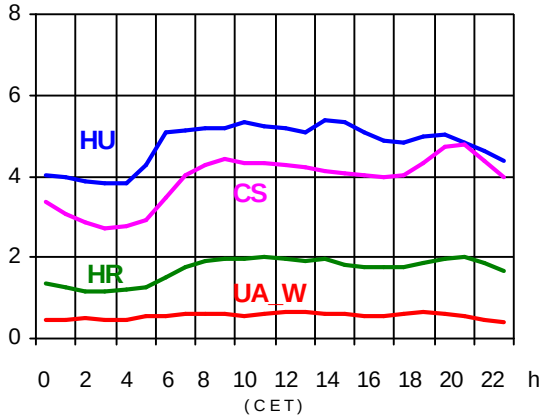

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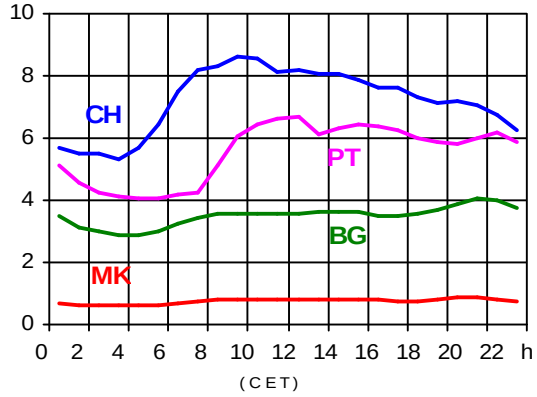

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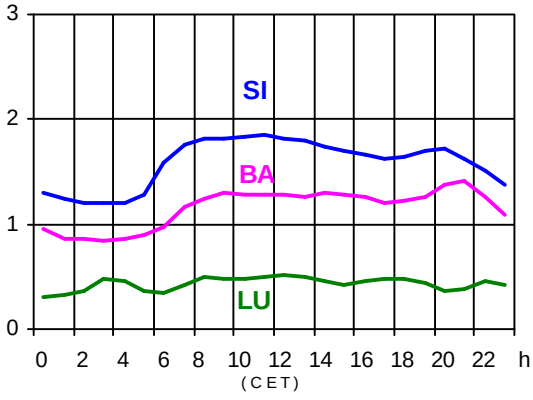

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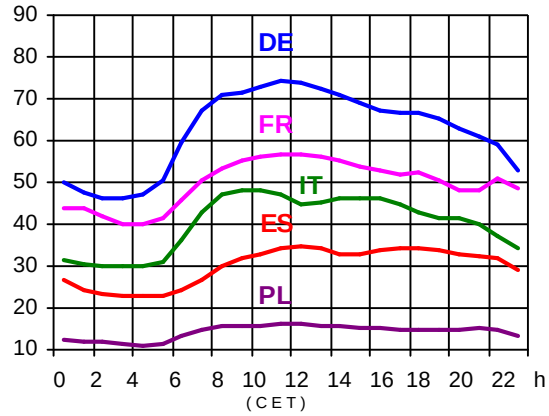

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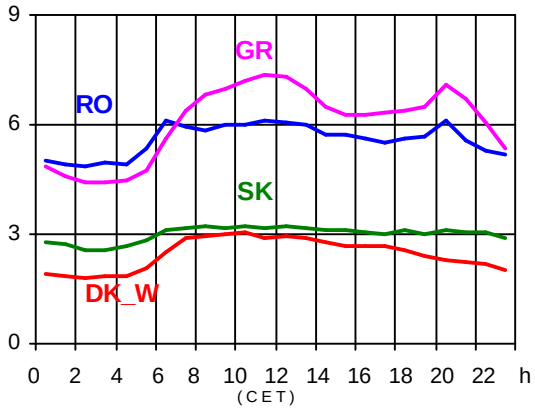

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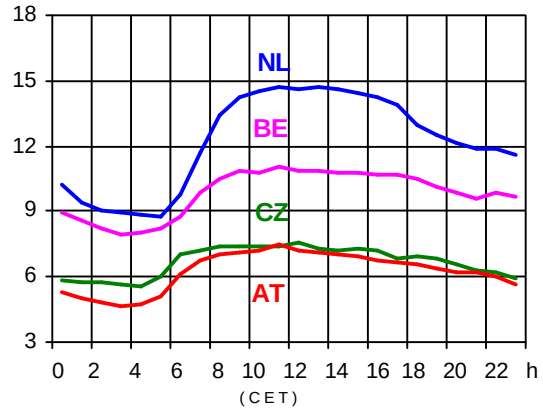

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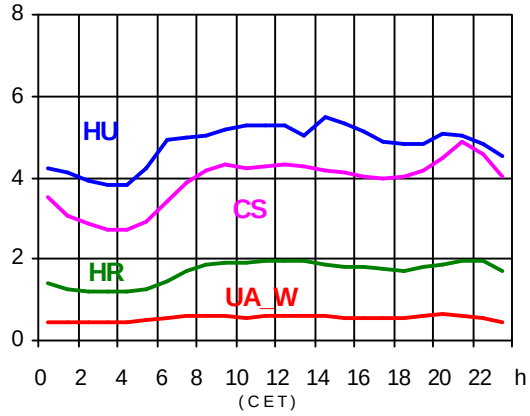

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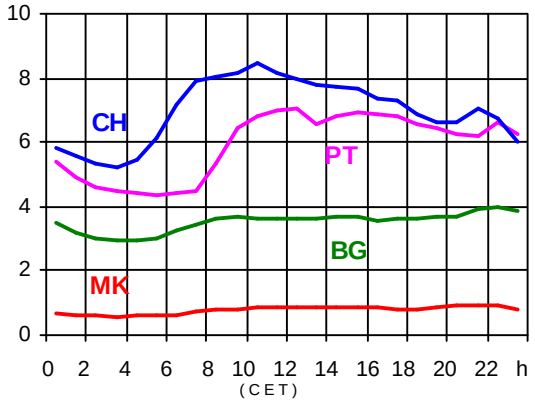

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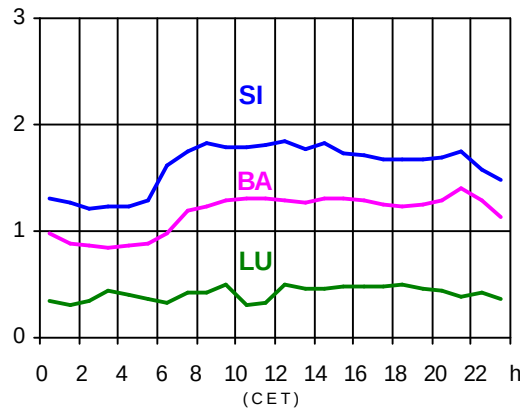
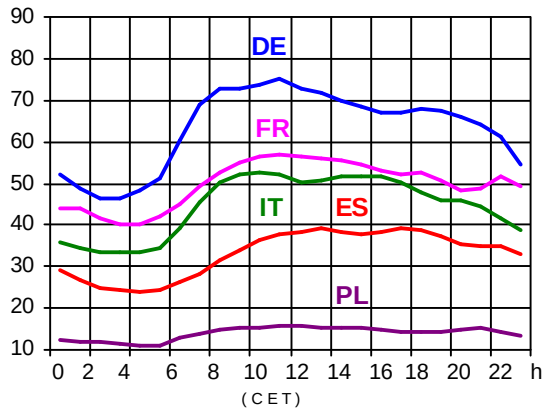


Load diagrams on the 3rd Wednesday in GW

20.07.2005 **(in GW)**



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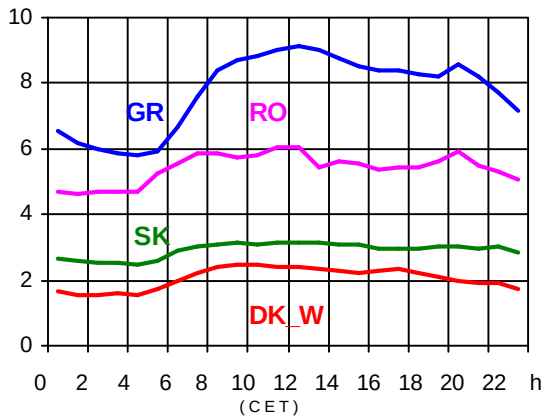

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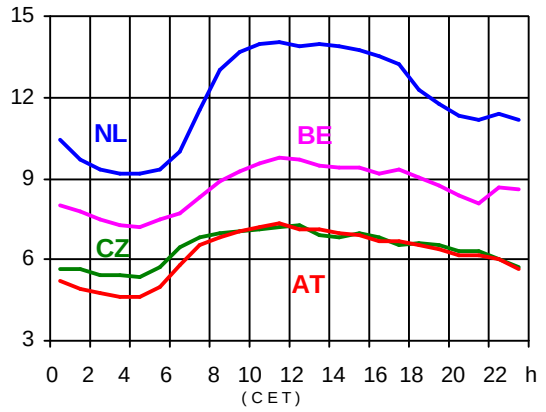

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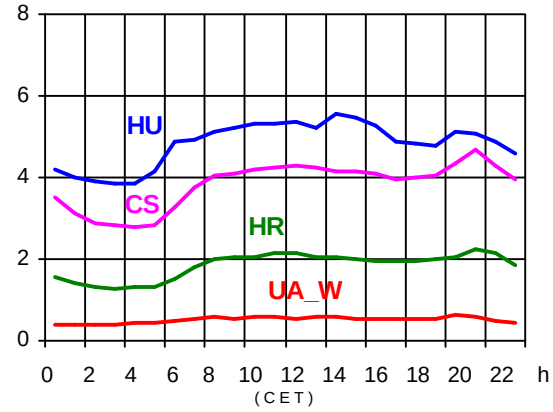

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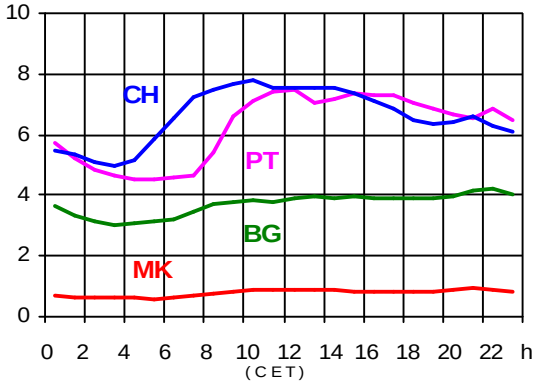

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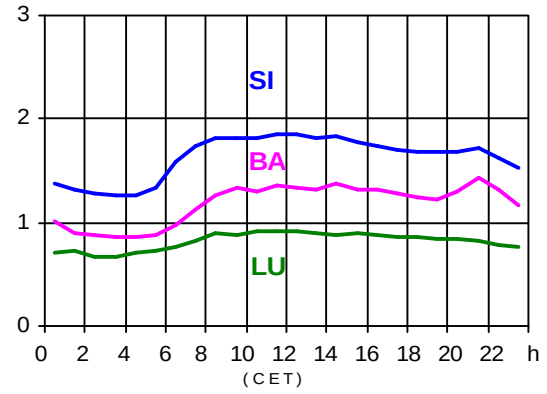
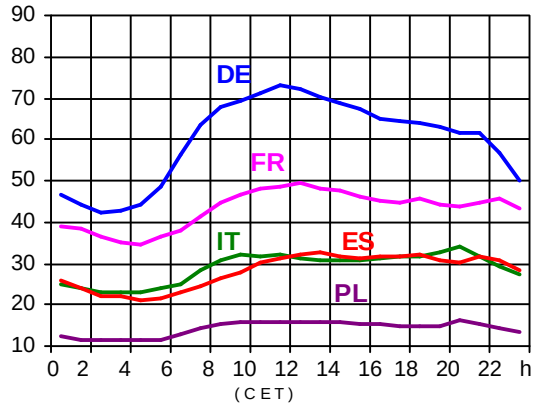


17.08.2005 **(in GW)**



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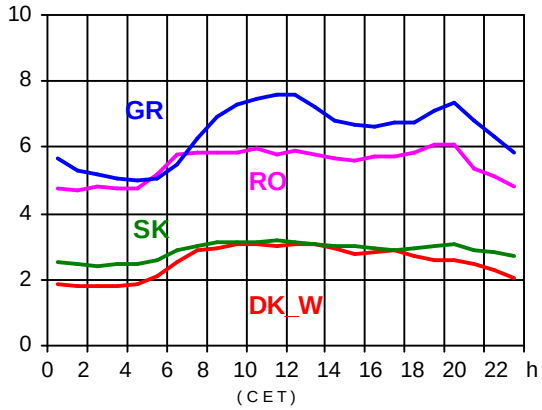

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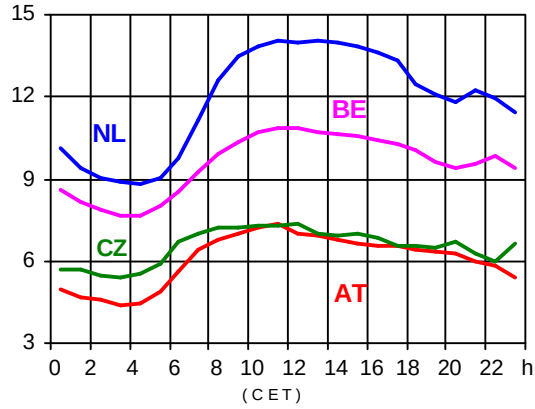

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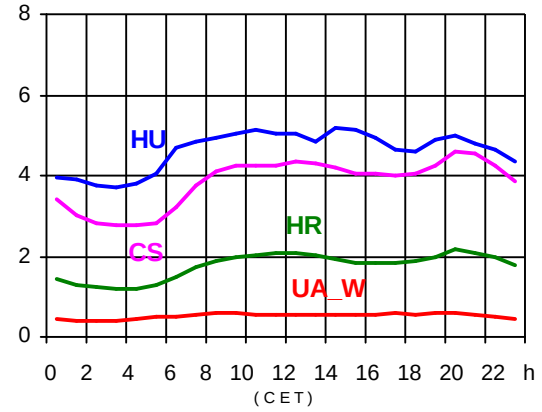

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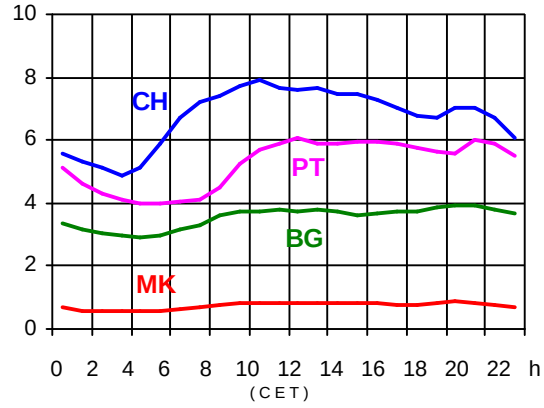

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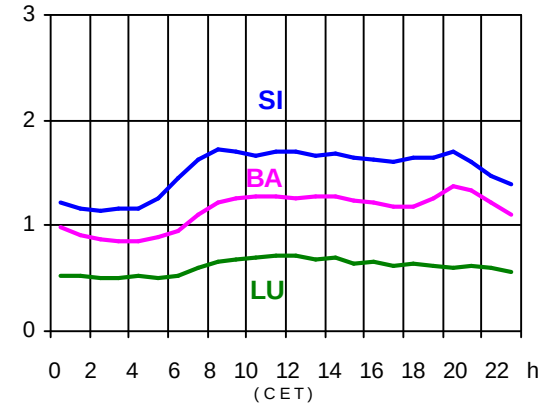
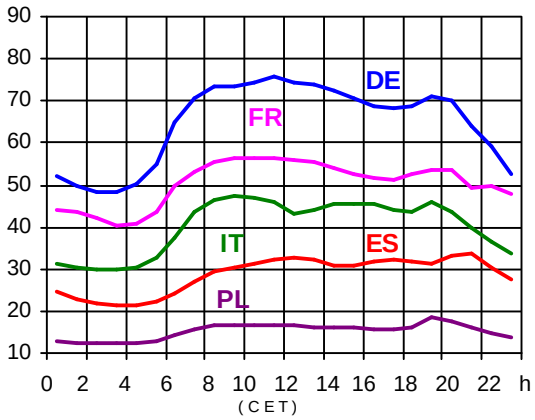


Load diagrams on the 3rd Wednesday in GW

21.09.2005 **(in GW)**



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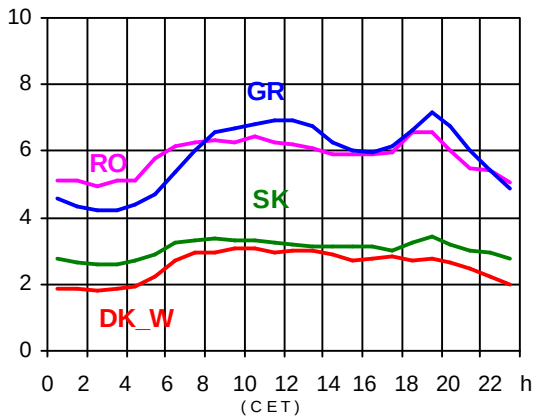

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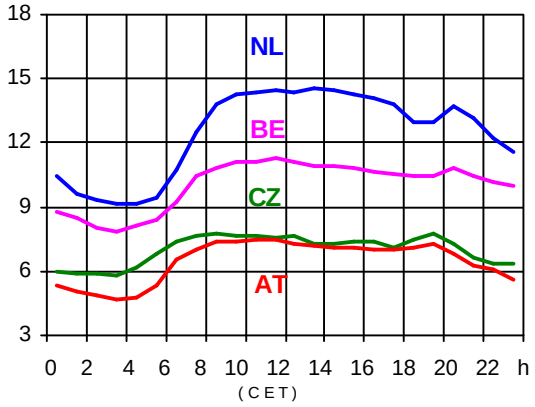

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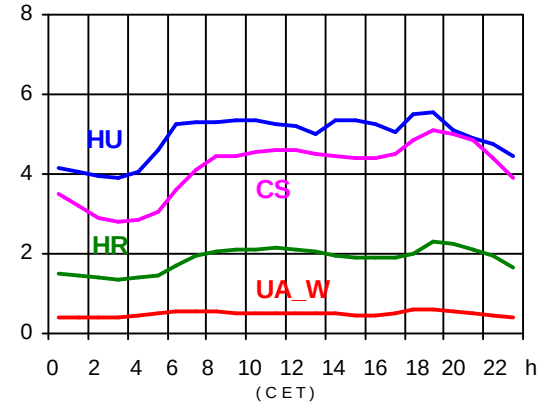

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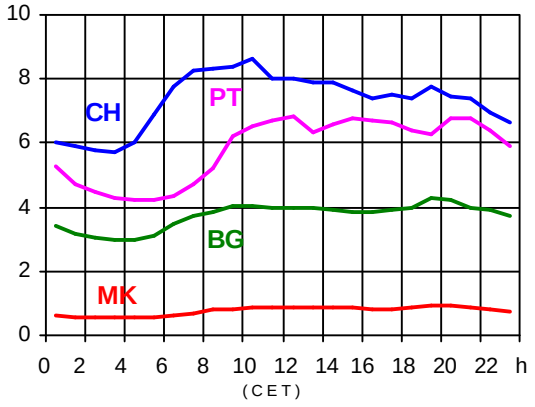

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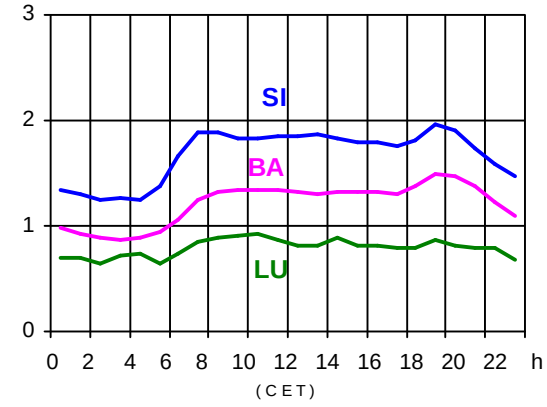

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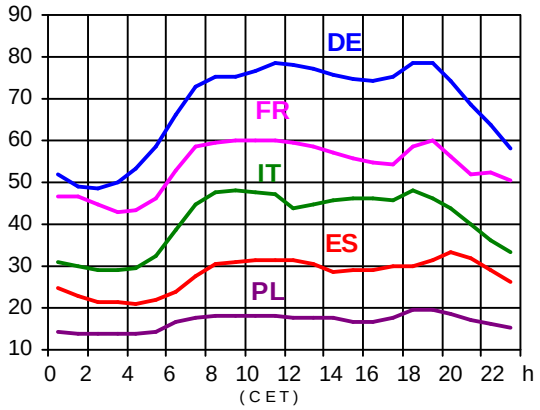

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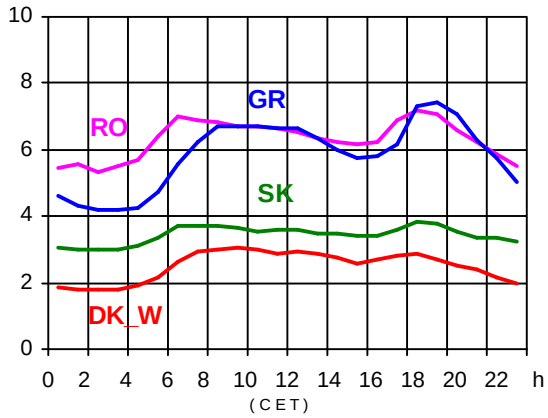

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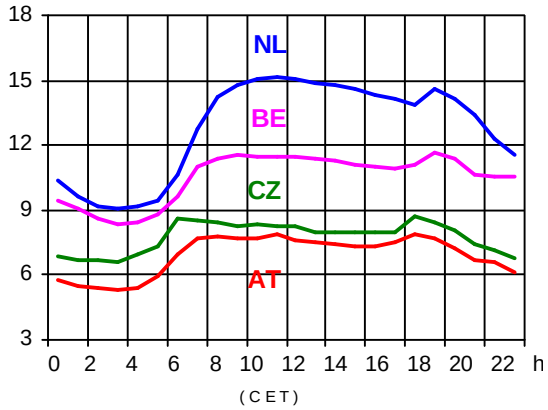

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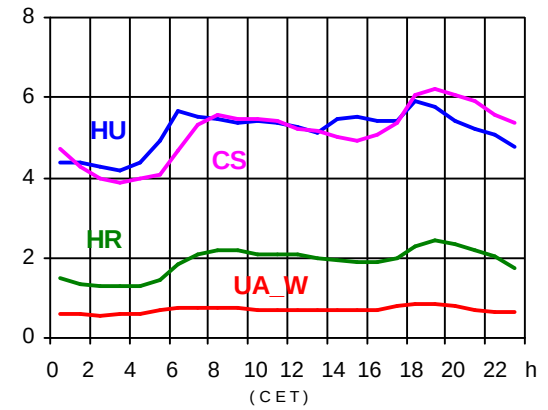

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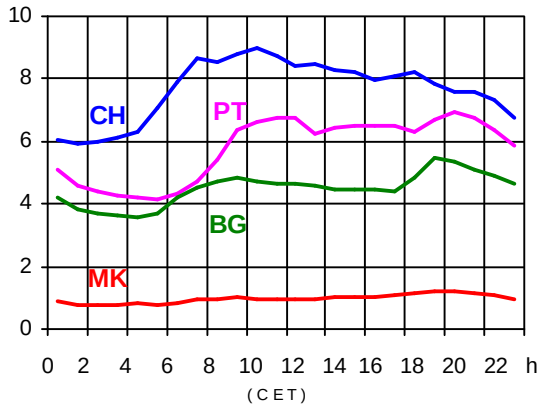

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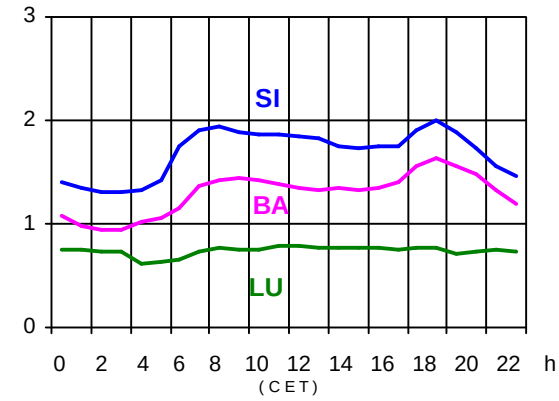
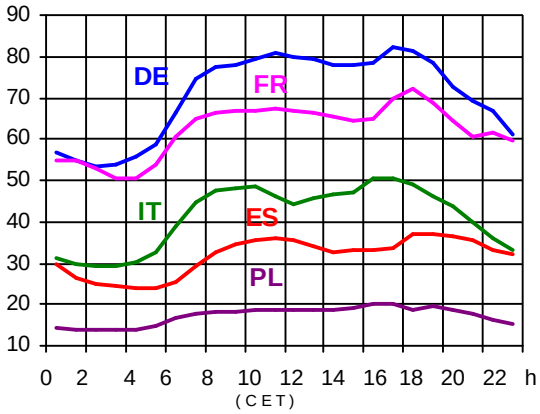
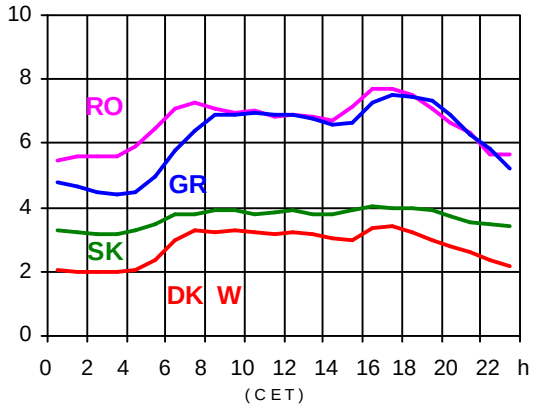


Load diagrams on the 3rd Wednesday in GW

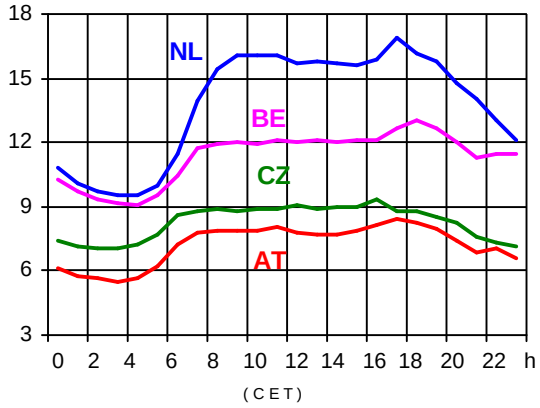
16.11.2005 **(in GW)**



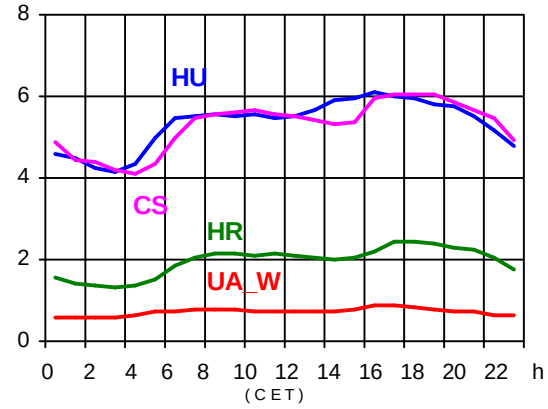
16.11.2005 **(in GW)**



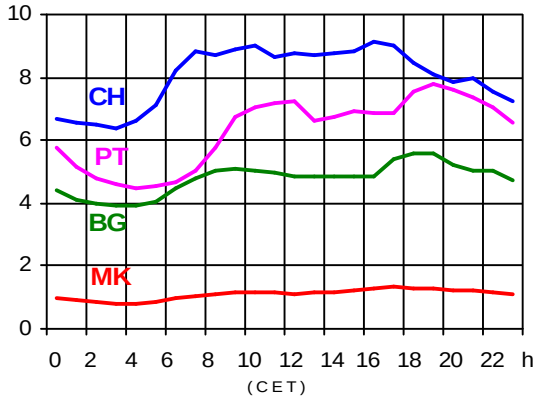
16.11.2005 **(in GW)**



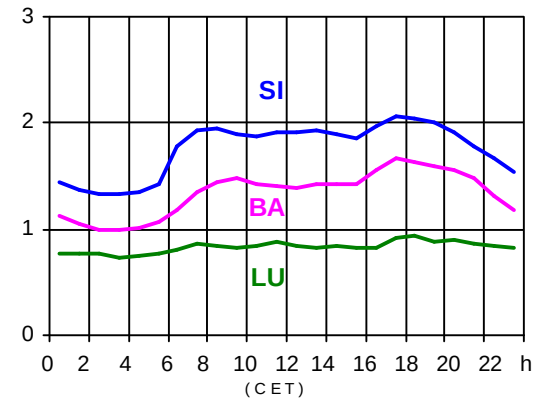
16.11.2005 **(in GW)**



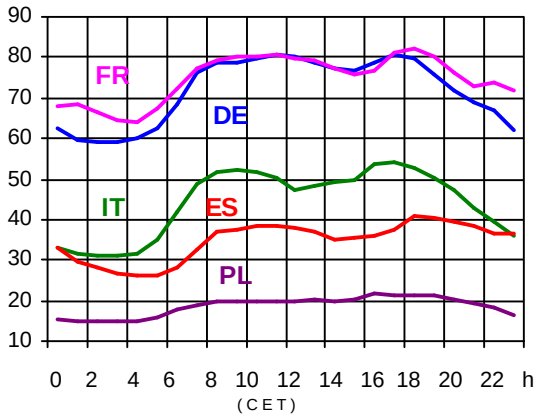
16.11.2005 **(in GW)**



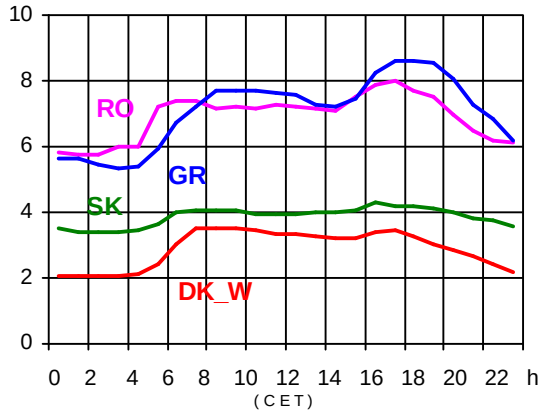
16.11.2005 **(in GW)**



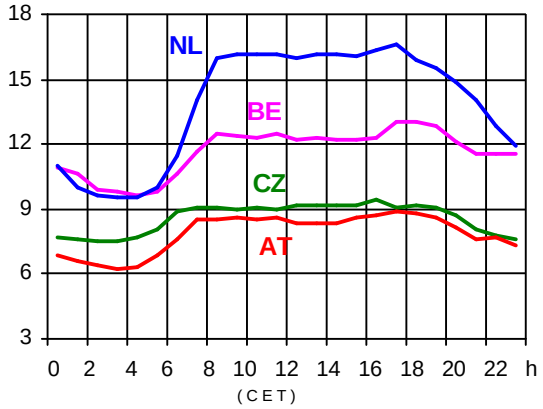
21.12.2005 **(in GW)**



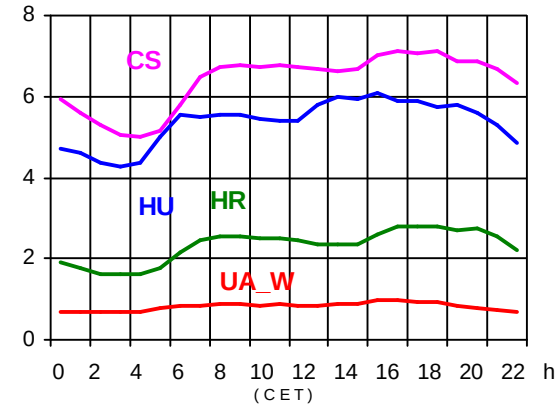
21.12.2005 **(in GW)**



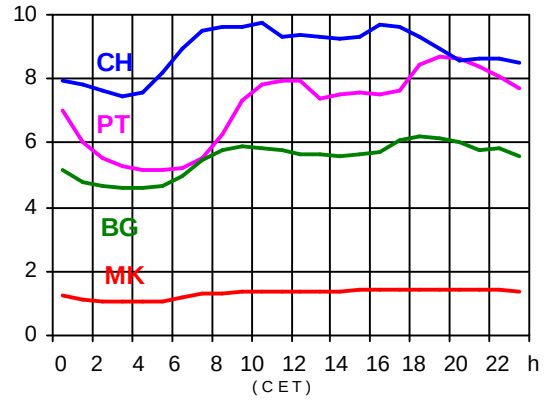
21.12.2005 **(in GW)**



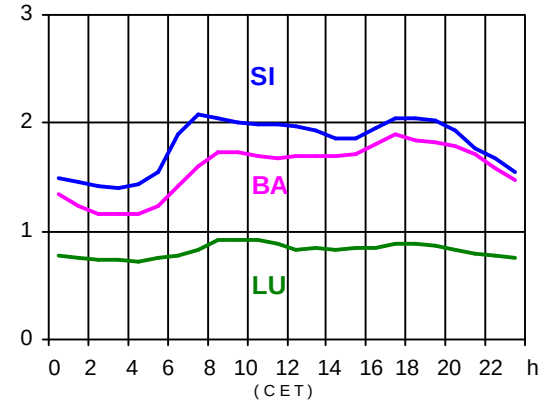
21.12.2005 **(in GW)**



21.12.2005 **(in GW)**

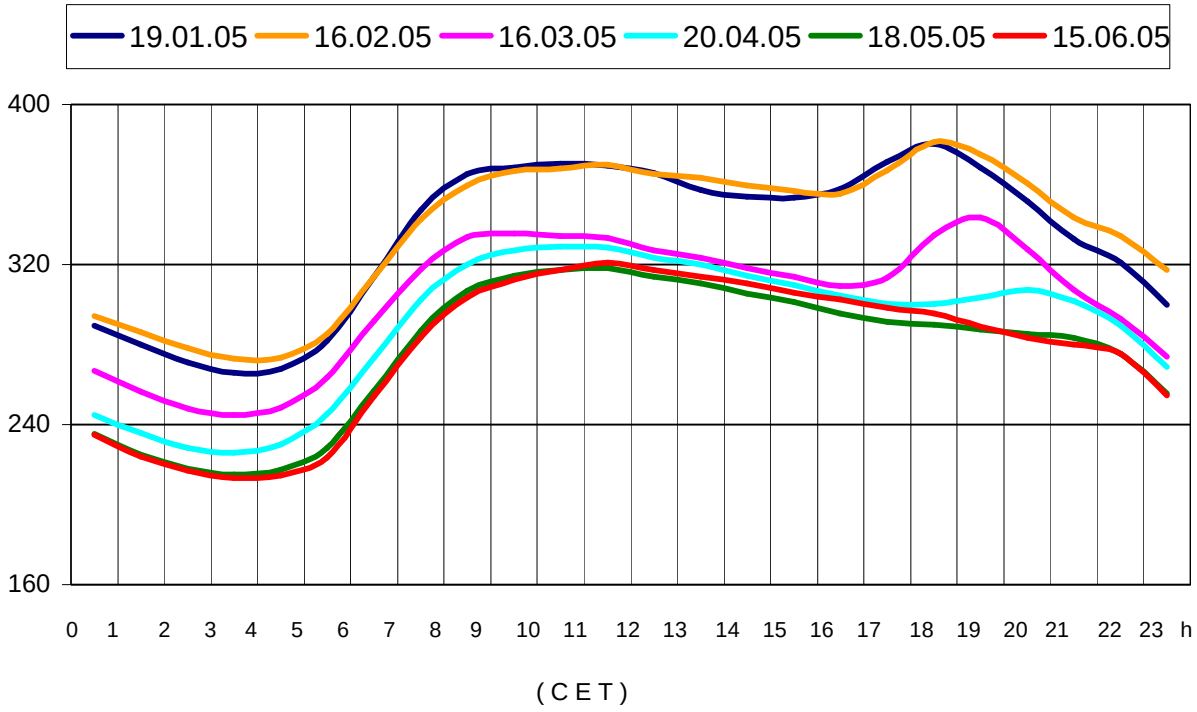


21.12.2005 **(in GW)**



Load diagrams on the 3rd Wednesday in GW

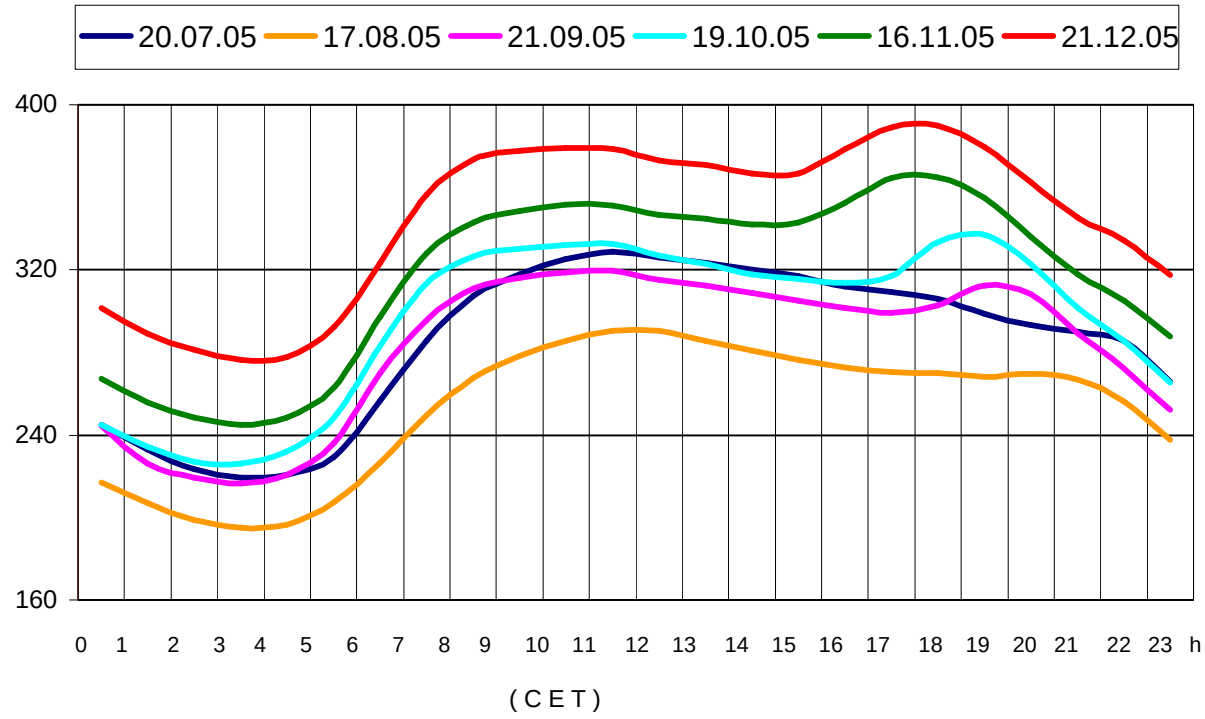
UCTE monthly load diagrams January - June 2005 in GW



[1] Percentage as referred to total values (%)

	AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR	HR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	DK_W	UA_W
19.01.05	82	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
16.02.05	82	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
16.03.05	82	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
20.04.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
18.05.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
15.06.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100

UCTE monthly load diagrams July - December 2005 in GW



[1] Percentage as referred to total values (%)

	AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR	HR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	DK_W	UA_W
20.07.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
17.08.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
21.09.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
19.10.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
16.11.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100
21.12.05	100	100	100	100	100	100	100	91	98	100	100	100	100	100	99	100	100	100	96	100	95	100	100	100

Hourly load values on the 3rd Wednesday in MW

Austria

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	8095	7779	7516	7315	7411	8040	8949	9922	10265	10237	10317
16 / 2 / 2005	8233	7937	7762	7546	7578	8135	8917	9666	10033	10200	10323
16 / 3 / 2005	7682	7350	7179	7016	7148	7795	8593	9355	9701	9699	9773
20 / 4 / 2005	5634	5277	5143	5040	5132	5676	6550	7227	7537	7540	7684
18 / 5 / 2005	5210	4973	4866	4712	4849	5305	6168	6993	7290	7373	7573
15 / 6 / 2005	5261	4986	4853	4666	4701	5119	6089	6772	7022	7108	7249
20 / 7 / 2005	5237	4924	4791	4598	4650	4994	5801	6507	6840	7026	7208
17 / 8 / 2005	4972	4697	4596	4392	4436	4857	5634	6437	6784	6970	7183
21 / 9 / 2005	5311	5005	4873	4712	4760	5319	6497	7022	7364	7345	7450
19/ 10 / 2005	5760	5511	5405	5274	5389	5984	6960	7677	7807	7709	7730
16/ 11 / 2005	6092	5787	5632	5488	5657	6254	7199	7772	7884	7847	7918
21/ 12 / 2005	6824	6554	6363	6187	6281	6820	7609	8502	8566	8606	8517

Bosnia - Herzegovina

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	1256	1178	1138	1100	1127	1177	1280	1467	1606	1647	1678
16 / 2 / 2005	1279	1202	1161	1145	1145	1189	1334	1534	1616	1687	1651
16 / 3 / 2005	1132	1078	1042	1022	1048	1124	1265	1425	1518	1513	1469
20 / 4 / 2005	1010	922	887	880	881	928	1065	1253	1319	1346	1323
18 / 5 / 2005	950	853	856	843	858	891	966	1161	1235	1290	1279
15 / 6 / 2005	985	883	863	846	857	893	983	1183	1236	1284	1302
20 / 7 / 2005	1005	900	879	851	855	878	973	1131	1258	1330	1307
17 / 8 / 2005	979	915	872	858	849	890	949	1095	1218	1263	1273
21 / 9 / 2005	972	925	882	862	889	935	1049	1239	1327	1336	1331
19/ 10 / 2005	1070	986	951	937	1017	1066	1146	1365	1430	1450	1420
16/ 11 / 2005	1128	1046	1003	1001	1015	1064	1182	1357	1449	1483	1431
21/ 12 / 2005	1335	1229	1158	1155	1159	1226	1426	1606	1726	1734	1688

Belgium

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	10978	10459	10013	9812	9731	9970	10804	11979	12550	12344	12297
16 / 2 / 2005	11389	10927	10436	10176	10089	10289	11087	12214	12315	12357	12403
16 / 3 / 2005	10250	9735	9168	8954	9015	9284	10319	10948	11083	11236	11251
20 / 4 / 2005	9977	9370	8851	8629	8739	9206	9928	10738	11124	11391	11364
18 / 5 / 2005	9604	9189	8636	8528	8617	8939	9505	10376	10931	11227	11303
15 / 6 / 2005	8971	8586	8194	7976	8018	8187	8772	9875	10544	10839	10816
20 / 7 / 2005	7972	7778	7507	7267	7161	7473	7724	8318	8916	9277	9530
17 / 8 / 2005	8590	8191	7851	7676	7690	8048	8510	9249	9916	10371	10683
21 / 9 / 2005	8809	8455	8074	7867	8110	8441	9249	10437	10845	11113	11139
19/ 10 / 2005	9403	9031	8582	8307	8436	8760	9594	11010	11396	11567	11434
16/ 11 / 2005	10278	9708	9394	9134	9114	9510	10457	11745	11913	11987	11944
21/ 12 / 2005	10893	10598	9910	9828	9596	9764	10628	11655	12434	12420	12319

Austria

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
10395	10009	10027	9976	9930	10084	10521	10456	10066	9367	8778	9061	8557
10368	10051	10021	9872	9777	9741	10173	10402	9990	9349	8724	8909	8684
9816	9439	9459	9354	9285	9079	9184	9696	9561	8963	8461	8485	7951
7777	7570	7491	7409	7331	7199	7207	7242	7166	6918	6413	6350	6076
7781	7476	7409	7343	7243	7111	7084	7040	6993	6759	6339	6014	5669
7446	7204	7121	7020	6925	6759	6655	6603	6355	6164	6232	6019	5669
7357	7089	7123	6967	6876	6716	6700	6546	6367	6162	6158	6035	5615
7368	7032	6903	6751	6627	6541	6529	6426	6342	6303	5961	5868	5393
7506	7258	7151	7095	7070	6998	7001	7096	7299	6801	6294	6082	5569
7841	7569	7491	7392	7313	7282	7486	7873	7736	7231	6698	6618	6160
8019	7765	7735	7737	7842	8126	8408	8235	7924	7422	6903	7043	6570
8650	8349	8371	8355	8570	8708	8904	8831	8643	8158	7608	7724	7299

Bosnia - Herzegovina

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
1650	1671	1734	1723	1708	1764	1861	1824	1819	1779	1677	1609	1449
1658	1642	1669	1669	1628	1579	1714	1762	1737	1705	1620	1530	1400
1415	1371	1392	1384	1339	1335	1394	1565	1600	1564	1455	1351	1208
1302	1272	1268	1295	1268	1263	1222	1240	1353	1496	1413	1255	1109
1280	1271	1263	1292	1274	1261	1200	1217	1258	1382	1405	1265	1094
1302	1292	1271	1307	1310	1289	1251	1234	1251	1287	1405	1279	1137
1366	1341	1326	1368	1324	1324	1272	1245	1231	1300	1428	1327	1166
1271	1267	1272	1270	1242	1216	1175	1177	1251	1365	1329	1220	1097
1338	1330	1303	1320	1323	1327	1306	1372	1487	1475	1382	1224	1094
1391	1343	1323	1342	1328	1350	1395	1564	1630	1566	1472	1332	1191
1413	1388	1417	1422	1430	1549	1676	1631	1600	1558	1476	1309	1186
1670	1685	1693	1686	1705	1802	1891	1844	1822	1778	1704	1588	1466

Belgium

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
12355	12217	12125	11915	11826	11942	12420	13007	12723	11994	11408	11554	11690
12476	12312	12298	12313	12320	12188	12241	12880	12883	12284	11784	11792	11834
11432	11395	11268	11142	11100	10828	10778	10778	11499	11189	10731	10703	10735
11460	11381	11300	11239	11144	11087	10993	10788	10485	10341	10624	10768	10816
11455	11246	11339	11215	11063	10881	10777	10567	10295	10034	9926	10454	10454
11038	10891	10897	10796	10744	10688	10710	10473	10166	9878	9583	9823	9704
9747	9679	9478	9406	9388	9158	9320	9070	8777	8376	8100	8662	8580
10882	10890	10681	10621	10533	10411	10274	10031	9647	9393	9542	9870	9404
11259	11071	10962	10903	10804	10668	10580	10417	10441	10849	10471	10158	10024
11458	11492	11352	11242	11116	11008	10891	11081	11631	11378	10682	10586	10542
12083	11998	12103	12059	12136	12128	12628	12990	12644	11999	11284	11436	11445
12437	12219	12311	12203	12187	12336	12990	13059	12812	12074	11553	11557	11583

Hourly load values on the 3rd Wednesday in MW

Bulgaria

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	4957	4624	4472	4396	4388	4461	4787	5185	5423	5525	5423
16 / 2 / 2005	5268	4996	4854	4244	4177	4220	4503	4829	5092	5225	5166
16 / 3 / 2005	4407	4148	4009	3956	3885	3991	4286	4500	4604	4608	4408
20 / 4 / 2005	3699	3436	3295	3223	3186	3346	3664	3852	3951	3911	3852
18 / 5 / 2005	3483	3136	2992	2872	2906	3017	3242	3430	3557	3565	3536
15 / 6 / 2005	3523	3202	3004	2932	2920	2991	3267	3410	3595	3659	3639
20 / 7 / 2005	3674	3338	3167	3041	3058	3120	3228	3458	3693	3804	3853
17 / 8 / 2005	3378	3152	3040	2953	2893	2984	3133	3301	3611	3756	3754
21 / 9 / 2005	3439	3184	3038	3001	2996	3091	3475	3697	3881	4008	4047
19/ 10 / 2005	4203	3840	3723	3610	3576	3725	4197	4493	4700	4819	4729
16/ 11 / 2005	4444	4139	3999	3925	3913	4039	4450	4762	5002	5076	5031
21/ 12 / 2005	5150	4810	4682	4609	4600	4654	4981	5436	5781	5902	5814

Switzerland

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	7655	7496	7365	7257	7349	8013	8561	9466	9459	9502	9514
16 / 2 / 2005	8142	7924	7741	7581	7615	8150	8670	9200	9386	9535	9524
16 / 3 / 2005	6839	6786	6730	6734	7081	7796	8230	8773	8793	8846	9076
20 / 4 / 2005	6362	6246	6249	6210	6509	7184	7887	8428	8661	8672	8880
18 / 5 / 2005	5708	5519	5469	5319	5704	6440	7486	8173	8306	8617	8551
15 / 6 / 2005	5842	5568	5360	5212	5442	6165	7172	7919	8038	8158	8475
20 / 7 / 2005	5455	5334	5111	4971	5177	5838	6543	7207	7464	7648	7827
17 / 8 / 2005	5571	5313	5101	4875	5120	5894	6700	7220	7406	7700	7893
21 / 9 / 2005	6055	5927	5751	5737	6031	6871	7768	8283	8294	8356	8609
19/ 10 / 2005	6072	5955	5960	6122	6326	7044	7903	8662	8513	8760	8981
16/ 11 / 2005	6706	6551	6494	6366	6642	7141	8220	8845	8723	8872	9035
21/ 12 / 2005	7934	7819	7627	7473	7578	8178	8925	9512	9604	9634	9724

Serbia & Montenegro

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	6000	5447	5151	4958	4896	5064	5646	6337	6454	6468	6287
16 / 2 / 2005	5758	5390	5078	4906	4784	4968	5662	6286	6501	6611	6616
16 / 3 / 2005	5177	4730	4484	4324	4284	4521	5177	5724	5820	5746	5578
20 / 4 / 2005	4132	3724	3487	3336	3351	3470	4106	4873	5120	5109	5066
18 / 5 / 2005	3375	3068	2862	2740	2780	2915	3454	4037	4261	4413	4336
15 / 6 / 2005	3517	3089	2852	2742	2720	2901	3424	3894	4166	4305	4206
20 / 7 / 2005	3513	3134	2889	2812	2771	2832	3270	3737	4041	4117	4181
17 / 8 / 2005	3390	3003	2825	2745	2741	2830	3198	3760	4091	4239	4249
21 / 9 / 2005	3502	3195	2925	2809	2860	3037	3605	4100	4442	4470	4573
19/ 10 / 2005	4708	4289	3968	3892	3969	4078	4692	5315	5551	5484	5488
16/ 11 / 2005	4881	4461	4408	4205	4099	4321	4995	5446	5583	5629	5652
21/ 12 / 2005	5961	5578	5308	5063	4991	5176	5799	6486	6708	6788	6734

Bulgaria

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
5354	5284	5197	5141	5106	5132	5440	5773	5815	5596	5394	5551	5312
5134	5035	4973	4891	4888	4888	5020	5443	5563	5358	5137	5279	5123
4393	4290	4262	4199	4192	4134	4258	4709	5214	5105	4906	4947	4660
3756	3713	3738	3695	3703	3649	3611	3756	3947	4237	4239	4107	3904
3570	3579	3611	3619	3597	3517	3499	3572	3669	3865	4086	4005	3754
3640	3650	3616	3672	3676	3585	3616	3624	3666	3690	3906	3999	3874
3791	3905	3935	3906	3963	3877	3884	3919	3928	3936	4130	4231	3995
3815	3762	3769	3755	3639	3692	3734	3763	3857	3949	3942	3803	3653
3949	3946	3945	3931	3864	3866	3908	3997	4301	4220	3982	3910	3717
4671	4652	4594	4433	4431	4457	4415	4812	5467	5326	5073	4891	4619
4947	4874	4846	4826	4864	4845	5370	5580	5590	5205	5051	5045	4751
5748	5657	5667	5618	5636	5696	6060	6222	6178	6033	5797	5858	5607

Switzerland

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
9217	8942	8847	8976	8755	9014	9395	8963	8601	8262	8586	8448	7724
9505	9221	9221	9176	9133	8841	9482	9277	8858	8453	9104	8970	8388
8622	8486	8332	8193	8011	7805	8020	8451	8261	7729	7809	7491	7166
8442	8383	8402	8349	8155	7964	7959	7645	7681	7696	7639	7439	7012
8117	8161	8084	8070	7891	7610	7602	7282	7106	7169	7065	6748	6274
8144	7987	7797	7758	7645	7375	7285	6866	6650	6622	7067	6740	6036
7547	7540	7577	7569	7389	7124	6846	6500	6372	6435	6576	6286	6108
7686	7621	7673	7486	7463	7254	7053	6750	6684	7013	7023	6688	6086
8038	8018	7884	7916	7662	7361	7495	7372	7769	7474	7408	6950	6624
8737	8422	8486	8249	8190	7959	8071	8205	7865	7598	7609	7354	6751
8657	8766	8738	8761	8827	9116	9007	8472	8116	7869	7958	7524	7260
9331	9377	9301	9280	9336	9684	9658	9300	8954	8596	8633	8636	8482

Serbia & Montenegro

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
6408	6350	6273	6126	6202	6550	6880	6850	6894	6674	6681	6498	5868
6528	6556	6378	6271	6267	6384	6682	6803	7010	6725	6579	6430	6050
5446	5216	5098	4933	4913	5002	5318	5977	6275	6114	5862	5706	5253
4945	4929	4724	4637	4603	4549	4562	4680	5196	5541	5467	5097	4594
4304	4284	4235	4128	4056	4048	3991	4035	4319	4736	4799	4398	3950
4279	4334	4281	4181	4108	4021	3959	4020	4172	4491	4885	4562	4013
4245	4286	4267	4145	4137	4080	3958	3990	4067	4358	4665	4286	3945
4241	4358	4290	4205	4032	4046	3995	4074	4231	4574	4538	4247	3876
4600	4587	4502	4448	4397	4402	4498	4860	5112	4983	4845	4412	3901
5416	5237	5157	5020	4921	5068	5370	6063	6222	6058	5901	5568	5347
5553	5493	5400	5300	5388	5929	6055	6058	6048	5861	5681	5454	4929
6763	6736	6671	6613	6668	7016	7126	7077	7103	6894	6866	6675	6341

Hourly load values on the 3rd Wednesday in MW

Czech Republic

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	7848	7703	7725	7646	7766	8263	9206	9165	9230	9217	9166
16 / 2 / 2005	8032	7908	7943	7882	7977	8307	8896	9041	9182	9304	9339
16 / 3 / 2005	7613	7442	7366	7291	7452	7843	8341	8458	8518	8378	8468
20 / 4 / 2005	6157	6086	6092	5986	6157	6607	7539	7666	7795	7809	7930
18 / 5 / 2005	6126	6000	5928	5930	5910	6334	7345	7574	7707	7725	7791
15 / 6 / 2005	5852	5774	5721	5670	5569	6033	6991	7213	7422	7365	7400
20 / 7 / 2005	5680	5654	5404	5410	5372	5706	6484	6807	6977	7014	7100
17 / 8 / 2005	5690	5657	5490	5426	5581	5893	6676	6995	7243	7241	7280
21 / 9 / 2005	6003	5917	5859	5841	6155	6779	7365	7635	7782	7653	7691
19/ 10 / 2005	6895	6722	6655	6588	6915	7343	8582	8491	8458	8277	8339
16/ 11 / 2005	7416	7159	7048	7045	7201	7717	8654	8802	8863	8778	8891
21/ 12 / 2005	7690	7583	7525	7504	7663	8082	8910	9059	9108	9017	9034

Germany

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	60989	58461	56813	56263	56923	59340	66483	74945	77472	76923	77692
16 / 2 / 2005	62417	59780	58461	58021	58241	59780	66483	73296	75824	76483	77472
16 / 3 / 2005	55824	52527	50879	51208	53516	57252	63956	70109	73846	73406	73296
20 / 4 / 2005	48901	46593	45934	47362	49890	54945	62197	68901	72417	73516	74615
18 / 5 / 2005	50329	47692	46813	47362	49120	51758	58681	66593	70549	72087	73626
15 / 6 / 2005	49890	47472	46263	46153	47252	50659	59670	67142	70879	71428	73076
20 / 7 / 2005	51978	48901	46593	46373	48131	51318	60329	68791	72637	72527	73846
17 / 8 / 2005	46703	44285	42527	42637	44065	48571	56153	63296	67692	69120	71208
21 / 9 / 2005	52087	49560	48351	48571	50219	54835	64945	70549	73406	73296	74505
19/ 10 / 2005	52087	49230	48351	49780	53516	58461	66263	72857	75054	75274	76813
16/ 11 / 2005	56923	54615	53406	53736	55714	58681	66593	74615	77472	78131	79450
21/ 12 / 2005	62637	59670	58901	59010	60109	62307	68351	76043	78681	78901	79670

Spain

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	31130	29723	27450	26654	26093	26171	28034	31715	36352	37279	38452
16 / 2 / 2005	31171	28386	26836	26027	25572	25676	27374	30976	34698	35894	36950
16 / 3 / 2005	28939	26365	24645	23742	23223	23887	25904	28482	31569	32977	33941
20 / 4 / 2005	26681	25201	23292	22463	22421	22620	24566	27361	30179	31739	32389
18 / 5 / 2005	25062	23193	22154	21311	21220	21436	23594	25871	29491	30947	31512
15 / 6 / 2005	26671	24457	23553	23082	22996	22975	24438	26834	29889	31907	33054
20 / 7 / 2005	29262	26590	24785	24341	23993	24192	26127	28264	31400	33914	36115
17 / 8 / 2005	25959	23868	22170	21831	21302	21805	22902	24517	26172	27981	30025
21 / 9 / 2005	24904	22967	22013	21479	21500	22171	24272	26990	29178	30523	31395
19/ 10 / 2005	24881	22788	21244	21319	21185	21736	23697	27658	30304	30908	31324
16/ 11 / 2005	29588	26513	25097	24269	23915	24087	25626	29482	32861	34680	35520
21/ 12 / 2005	33102	29662	27948	26836	26145	26326	28048	32421	36887	37687	38615

Czech Republic

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
9239	9377	8938	9178	9153	9483	9171	9161	8881	8543	7930	7817	7556
9545	9576	9225	9378	9298	9317	9217	9386	8223	8693	8068	7917	7783
8504	8654	8332	8401	8259	8155	7983	8814	8489	8126	7595	7232	7219
7986	8000	7857	7898	7968	7807	7505	7559	7617	7469	6952	6800	6545
7858	8020	7768	7804	7889	7798	7500	7506	7333	7163	6783	6532	6302
7392	7546	7280	7252	7277	7226	6841	6945	6802	6540	6309	6193	5902
7188	7270	6923	6854	6956	6819	6529	6588	6502	6332	6285	6003	5747
7278	7345	6998	6960	6984	6860	6546	6567	6505	6720	6267	6018	6663
7583	7623	7306	7246	7396	7377	7116	7486	7736	7259	6664	6400	6350
8247	8213	7991	7994	7985	7977	7975	8661	8418	8062	7400	7117	6760
8870	9056	8895	9019	8972	9343	8796	8838	8543	8205	7640	7366	7157
9013	9166	9154	9194	9170	9424	9078	9182	9109	8672	8095	7779	7557

Germany

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
78571	77362	75824	75384	75054	75164	79670	80329	77802	73296	70109	67142	60000
79120	79120	78791	77912	77032	75384	78131	82527	81538	77692	75054	73846	69120
73846	72637	71538	70109	69450	67802	69340	74835	78351	71868	66263	62087	54175
75384	74175	73076	70549	69010	66483	65604	65934	66813	67912	67252	63846	57692
74945	73516	71978	70109	68681	65934	65164	65164	64835	62747	62967	61318	54945
74505	73626	72307	70769	69230	67252	66813	66593	65164	62857	60879	59230	52967
74945	72967	71648	69780	68571	66813	67142	68131	67582	65824	64065	61208	54505
72967	71978	70109	68681	67142	64945	64505	63956	63186	61538	61428	56593	50000
75714	74615	73736	72527	70769	68681	68461	68681	71208	70219	64175	59010	52747
78571	77912	77032	75604	74945	74285	75384	78461	78791	74175	68681	63846	57912
80989	80109	79340	78131	77912	78571	82527	81208	78461	72747	69340	66813	61208
80549	80109	78901	77252	76703	78571	80879	79450	75934	71648	69120	67032	62087

Spain

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
37765	37433	36150	34820	34729	35051	35986	38544	39989	39304	37554	35061	34380
37237	37352	36787	34989	34658	34491	35623	36844	39290	39826	38228	35839	35112
34302	33896	32859	31170	31282	31307	31356	31529	33575	35191	34018	31146	30960
32801	33173	32359	30719	30513	30955	31495	30869	30419	31420	33512	30677	27837
31780	31886	31398	29775	29785	30680	30984	30810	30201	29874	31153	30276	27488
34161	34627	34422	33028	32967	33873	34469	34379	33650	32812	32457	31791	29090
37550	38303	39081	38052	37785	38431	39125	38882	37375	35329	34828	35026	32774
31366	32265	32575	31723	31080	31451	31566	32026	30829	30215	31526	30917	28344
32322	32595	32244	30618	30777	31654	32101	31952	31289	33036	33803	30315	27562
31230	31431	30453	28780	28813	29263	29842	29800	31645	33197	31930	28897	26146
35870	35314	34261	32481	33008	33256	33796	36844	37109	36379	35420	32929	32322
38433	38127	37023	35238	35360	35950	37505	40972	40655	39669	38483	36261	36440

Hourly load values on the 3rd Wednesday in MW

France

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	62872	63072	61106	59130	58696	61977	67664	73038	74317	74405	74000
16 / 2 / 2005	65041	68131	66353	64197	63695	66516	70105	72826	74545	75446	75133
16 / 3 / 2005	55113	55615	53702	51795	51903	55260	60443	63345	64725	64156	62636
20 / 4 / 2005	52607	52633	50922	49090	48896	51852	55845	60158	63047	64139	63587
18 / 5 / 2005	46297	46230	44358	42579	42657	45254	49672	54249	56790	57636	57594
15 / 6 / 2005	44017	43726	41757	40026	39982	41579	45883	50409	53534	55313	56034
20 / 7 / 2005	44158	43860	41718	40298	40289	42143	44941	49233	52616	55039	56355
17 / 8 / 2005	38687	38483	36416	34828	34733	36574	38132	41393	44583	46813	47835
21 / 9 / 2005	43915	43722	42039	40468	40664	43506	49823	53027	55355	56295	56197
19/ 10 / 2005	46855	46669	44754	43064	43228	46236	52752	58352	59613	60204	60085
16/ 11 / 2005	54741	54704	52724	50629	50658	54033	60680	64816	66498	67101	67049
21/ 12 / 2005	67904	68202	66631	64479	64209	67185	72401	77443	79300	80245	80254

Greece

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	5084	5077	4881	4706	4750	5212	6123	6795	7310	7301	7288
16 / 2 / 2005	4864	4854	4674	4456	4453	4920	5741	6423	6975	6953	6948
16 / 3 / 2005	4560	4539	4401	4264	4360	4753	5549	6108	6430	6352	6341
20 / 4 / 2005	4339	4165	4048	3973	4101	4493	5287	5971	6252	6260	6303
18 / 5 / 2005	4698	4432	4287	4257	4333	4563	5455	6196	6819	6884	7052
15 / 6 / 2005	4832	4566	4430	4420	4473	4752	5606	6365	6812	6978	7222
20 / 7 / 2005	6558	6183	5993	5834	5818	5905	6672	7622	8395	8692	8838
17 / 8 / 2005	5651	5324	5161	5055	5016	5054	5480	6253	6915	7278	7480
21 / 9 / 2005	4552	4349	4239	4224	4369	4724	5346	6053	6548	6708	6808
19/ 10 / 2005	4605	4329	4214	4179	4253	4723	5573	6244	6711	6678	6680
16/ 11 / 2005	4775	4634	4484	4388	4483	4986	5781	6375	6911	6891	6926
21/ 12 / 2005	5609	5618	5466	5316	5373	5947	6730	7217	7697	7685	7670

Croatia

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	1833	1681	1592	1575	1588	1717	2078	2366	2498	2533	2521
16 / 2 / 2005	1850	1695	1611	1591	1606	1736	2078	2322	2491	2523	2499
16 / 3 / 2005	1671	1526	1455	1431	1443	1575	1861	2129	2215	2179	2114
20 / 4 / 2005	1474	1337	1268	1247	1265	1390	1662	1944	2051	2063	2054
18 / 5 / 2005	1347	1236	1182	1174	1184	1238	1493	1755	1896	1969	1955
15 / 6 / 2005	1410	1255	1222	1213	1217	1245	1458	1723	1883	1911	1914
20 / 7 / 2005	1567	1393	1321	1284	1295	1307	1527	1797	1982	2038	2062
17 / 8 / 2005	1439	1299	1233	1201	1209	1285	1468	1717	1896	1984	2005
21 / 9 / 2005	1496	1439	1386	1367	1392	1448	1684	1938	2070	2097	2087
19/ 10 / 2005	1500	1358	1314	1293	1312	1455	1822	2106	2180	2167	2092
16/ 11 / 2005	1556	1425	1351	1334	1350	1490	1835	2058	2161	2153	2118
21/ 12 / 2005	1928	1747	1643	1596	1612	1774	2172	2460	2571	2573	2507

France

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
73935	73163	72922	70966	69831	69359	72951	76129	72884	69163	65370	66662	64184
75840	75772	75380	73651	72498	72021	73288	79074	76497	72936	69682	71450	69616
62159	61493	60670	58382	56390	54876	54850	59895	62610	58999	55110	56607	54769
63473	62923	62220	60442	58428	57029	56189	57772	56790	57559	56329	57838	56221
57787	57374	56931	55354	53584	52007	50973	52270	50920	49678	50385	51756	50008
56859	56680	56065	55342	53998	52732	51898	52535	50594	48261	47919	50731	48435
56752	56688	56164	55692	54325	53179	52248	52527	50810	48537	48656	51498	49151
48706	49477	48259	47462	46268	45227	44652	45530	44431	43799	44706	45685	43272
56394	55878	55415	54178	52684	51700	51033	52660	53667	53503	49465	49978	48052
60148	59468	58554	57120	55925	54811	54517	58450	59800	56056	52041	52507	50561
67543	66821	66513	65497	64475	64894	69909	72087	68848	64631	60701	61750	59536
80644	79817	78998	77297	75935	76689	81119	82319	79973	76427	72882	73980	71827

Greece

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
7241	7180	6884	6653	6836	7160	7642	7687	7542	7156	6471	6151	5497
6926	6798	6489	6263	6359	6431	6999	7333	7256	6899	6199	5883	5289
6282	6222	5968	5712	5669	5544	6015	6967	6954	6661	5861	5486	4912
6346	6282	6050	5752	5574	5466	5491	5720	6575	6805	6007	5353	4726
7124	7095	6839	6294	6048	6033	6185	6334	6763	7205	6514	5843	5117
7340	7307	6969	6514	6269	6281	6340	6361	6501	7064	6701	6074	5365
9034	9140	9024	8785	8545	8423	8385	8256	8181	8611	8230	7727	7185
7599	7576	7215	6836	6661	6630	6723	6736	7106	7336	6799	6332	5827
6922	6905	6732	6278	6003	5979	6166	6629	7193	6739	6003	5399	4872
6674	6620	6349	5959	5741	5797	6195	7290	7429	7094	6302	5731	5052
6918	6864	6742	6568	6663	7259	7502	7455	7317	6916	6270	5818	5196
7621	7547	7256	7192	7478	8242	8593	8596	8526	8032	7287	6851	6206

Croatia

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
2553	2499	2404	2366	2342	2448	2684	2670	2649	2586	2583	2383	2084
2525	2479	2402	2357	2314	2344	2546	2688	2692	2627	2617	2432	2125
2115	2075	2000	1931	1870	1869	1949	2287	2434	2386	2342	2126	1846
2083	2050	1989	1897	1855	1843	1840	1874	2020	2197	2089	1991	1729
2004	1985	1935	1986	1822	1777	1758	1759	1838	1986	2024	1873	1643
1939	1972	1942	1879	1814	1792	1763	1689	1815	1885	1987	1949	1703
2139	2167	2063	2071	2005	1967	1940	1946	2008	2047	2221	2126	1877
2062	2064	2012	1922	1842	1816	1814	1856	1961	2177	2087	1970	1759
2135	2112	2032	1958	1907	1903	1925	2009	2279	2239	2098	1950	1674
2105	2073	2000	1934	1883	1887	1973	2284	2443	2347	2185	2033	1757
2147	2121	2058	2024	2027	2204	2443	2427	2391	2301	2252	2056	1758
2499	2451	2376	2341	2343	2603	2810	2801	2790	2713	2740	2558	2231

Hourly load values on the 3rd Wednesday in MW

Hungary

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	4644	4605	4459	4346	4494	5072	5678	5675	5740	5756	5747
16 / 2 / 2005	4641	4653	4431	4362	4446	5024	5426	5463	5517	5573	5537
16 / 3 / 2005	4059	4008	3790	3698	3879	4489	4998	5051	5136	5106	5143
20 / 4 / 2005	4119	4003	3922	3811	3955	4419	5189	5168	5144	5227	5248
18 / 5 / 2005	4017	3950	3856	3799	3835	4279	5061	5154	5163	5202	5327
15 / 6 / 2005	4240	4124	3948	3815	3838	4233	4954	5004	5051	5200	5274
20 / 7 / 2005	4173	3988	3901	3840	3848	4142	4902	4939	5130	5235	5325
17 / 8 / 2005	3967	3883	3761	3693	3820	4029	4695	4820	4951	5027	5153
21 / 9 / 2005	4146	4054	3936	3883	4031	4610	5251	5294	5305	5332	5340
19/ 10 / 2005	4393	4379	4264	4152	4393	4928	5687	5491	5461	5385	5417
16/ 11 / 2005	4561	4476	4237	4168	4325	4984	5461	5505	5561	5526	5569
21/ 12 / 2005	4716	4591	4387	4256	4376	4997	5564	5512	5533	5539	5471

Italy

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	31103	29851	29502	29501	30707	33149	40130	46978	50964	52059	52111
16 / 2 / 2005	31503	30221	29797	29830	30592	33291	39908	46580	50579	51439	50965
16 / 3 / 2005	31236	30233	29638	29580	30341	33203	38038	44613	47781	47961	47421
20 / 4 / 2005	29946	28740	28272	28202	28786	31261	35934	42781	46356	47183	46922
18 / 5 / 2005	30288	29143	28475	28472	28912	30282	34787	41569	45149	46147	45799
15 / 6 / 2005	31595	30413	30025	29832	30236	30946	36149	42887	47112	48203	47993
20 / 7 / 2005	35849	34370	33627	33244	33663	34271	39249	45338	50225	52319	52820
17 / 8 / 2005	24899	23745	23152	23007	23183	24030	24967	28246	30772	31940	31850
21 / 9 / 2005	31310	30350	29779	29750	30344	32650	37562	43387	46453	47236	47094
19/ 10 / 2005	31172	29822	29214	29174	29656	32326	38712	44725	47559	48145	47799
16/ 11 / 2005	31178	29805	29403	29501	30022	32572	38921	44844	47566	48199	48784
21/ 12 / 2005	33170	31655	31079	30864	31464	34801	41958	48619	51645	52196	51710

Luxembourg

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	679	653	635	617	633	644	662	756	801	811	807
16 / 2 / 2005	693	644	666	652	647	672	695	781	821	809	817
16 / 3 / 2005	703	686	657	644	657	691	742	818	853	863	849
20 / 4 / 2005	720	663	676	689	693	702	721	784	843	865	864
18 / 5 / 2005	315	326	366	478	463	369	344	418	501	477	474
15 / 6 / 2005	351	312	344	438	396	365	335	429	431	496	306
20 / 7 / 2005	700	727	664	675	709	726	760	826	895	880	914
17 / 8 / 2005	525	522	509	496	526	510	517	599	665	676	690
21 / 9 / 2005	702	707	651	712	737	641	729	851	880	902	919
19/ 10 / 2005	754	759	737	724	617	631	646	727	768	757	748
16/ 11 / 2005	779	771	771	739	755	770	805	870	839	829	843
21/ 12 / 2005	775	764	743	732	719	747	776	830	929	927	915

Hungary

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
5659	5623	5854	6146	5899	5986	5909	5899	5776	5763	5428	5191	4799
5490	5456	5743	5919	5686	5562	5807	5815	5723	5786	5519	5184	4519
5077	5024	5301	5451	5237	4921	5151	5658	5494	5501	5314	4990	4590
5256	5169	5093	5412	5500	5288	4970	5018	5319	5178	4918	4888	4493
5244	5194	5059	5383	5322	5096	4896	4839	4983	5008	4848	4647	4401
5300	5278	5052	5489	5334	5130	4860	4815	4821	5068	5029	4855	4525
5325	5342	5204	5539	5443	5290	4881	4818	4802	5106	5097	4902	4587
5061	5018	4854	5176	5117	4939	4649	4615	4867	4995	4768	4633	4330
5235	5219	4991	5328	5346	5245	5034	5496	5556	5112	4894	4744	4445
5350	5277	5113	5482	5530	5413	5418	5912	5746	5426	5206	5050	4772
5466	5490	5676	5897	5958	6097	6017	5965	5813	5771	5489	5165	4759
5416	5404	5776	5971	5950	6064	5900	5871	5732	5800	5607	5278	4877

Italy

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
50617	47335	48066	49299	49682	51249	53182	51153	48439	46010	41685	37765	33962
49688	46372	47374	48408	49048	49702	51748	51608	48634	45800	41601	37958	34126
46096	43310	44337	45239	45293	45275	45041	48905	46962	44492	40540	36756	33400
45243	42668	43345	44307	44451	44237	42853	42254	43018	42530	39517	36164	32569
44544	42352	42790	43696	43885	43524	42087	40868	40139	41114	38621	35360	32270
47279	44843	45272	46011	46125	46233	44609	42999	41645	41559	40175	37369	34168
52171	50451	50854	51477	51841	51581	50184	47912	45849	45773	44483	41733	38840
31976	31348	30949	30715	30811	31270	31502	31721	32502	34004	31890	29464	27341
45812	43331	44129	45303	45579	45286	43961	43754	45852	43520	39927	36681	33652
46927	44009	44867	45793	46195	46388	45911	48320	46348	43587	39933	36338	33402
46358	44332	45435	46665	46984	50410	50571	48994	45988	43571	39793	36040	33225
50212	47375	48320	49480	49849	53907	54115	52550	50026	47103	43076	39573	35817

Luxembourg

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
823	804	792	791	758	749	764	820	799	755	699	720	673
806	796	806	815	807	774	804	856	832	799	747	760	729
886	853	839	851	828	828	792	863	927	898	829	796	703
888	854	857	860	836	827	838	834	837	798	788	764	732
494	510	492	454	421	462	475	479	449	355	381	453	418
334	496	466	467	476	490	484	495	471	435	390	423	374
925	911	907	884	892	879	862	861	838	835	816	791	756
708	707	687	694	643	668	619	637	612	606	622	604	565
861	814	811	889	815	810	791	801	869	806	791	790	680
797	791	778	779	775	767	746	761	761	706	739	756	734
884	852	825	847	827	830	918	942	884	908	867	854	827
884	823	845	824	841	843	878	893	867	823	784	780	763

Hourly load values on the 3rd Wednesday in MW

FYROM

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	1149	1024	957	916	917	937	1030	1119	1214	1231	1253
16 / 2 / 2005	1011	944	860	844	821	873	974	1073	1148	1189	1175
16 / 3 / 2005	909	809	770	731	709	745	830	920	937	925	910
20 / 4 / 2005	699	664	619	604	610	644	738	825	879	894	887
18 / 5 / 2005	704	638	605	595	597	610	679	759	804	805	818
15 / 6 / 2005	700	635	603	579	589	589	641	734	797	821	840
20 / 7 / 2005	708	653	613	600	601	591	624	708	784	835	860
17 / 8 / 2005	681	597	588	576	579	591	623	702	765	820	818
21 / 9 / 2005	615	568	547	543	544	577	613	700	788	827	848
19/ 10 / 2005	878	792	772	778	798	790	848	940	973	1012	975
16/ 11 / 2005	989	911	848	814	816	849	957	1051	1112	1152	1146
21/ 12 / 2005	1233	1134	1073	1047	1033	1071	1185	1278	1325	1358	1359

The Netherlands

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	10664	9724	9308	9129	9175	9640	11162	13840	15727	16169	16149
16 / 2 / 2005	10880	10053	9677	9613	9655	10073	11553	14041	15654	16387	16439
16 / 3 / 2005	10093	9316	8968	8861	8862	9227	10558	12541	14200	14680	14650
20 / 4 / 2005	10352	9566	9159	8937	8919	9286	10533	12463	14191	14984	15099
18 / 5 / 2005	10533	9684	9319	9170	9149	9300	10262	12111	13761	14487	14619
15 / 6 / 2005	10244	9407	9054	8930	8877	8766	9743	11664	13429	14262	14489
20 / 7 / 2005	10466	9684	9310	9212	9202	9316	10017	11527	13011	13702	13939
17 / 8 / 2005	10156	9373	9066	8887	8848	9042	9747	11123	12616	13504	13847
21 / 9 / 2005	10412	9658	9310	9128	9143	9424	10758	12492	13807	14284	14371
19/ 10 / 2005	10338	9584	9202	9081	9132	9430	10643	12741	14248	14808	15061
16/ 11 / 2005	10868	10066	9702	9554	9543	9984	11428	13922	15458	16050	16110
21/ 12 / 2005	10971	10036	9630	9500	9548	9983	11468	14088	16011	16162	16186

Poland

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	15255	14945	14931	14961	15126	15827	17374	17946	18458	18472	18802
16 / 2 / 2005	14877	14549	14382	14309	14538	14999	16507	17445	18240	18589	18657
16 / 3 / 2005	14646	14162	14065	14073	14344	14285	15775	17138	17937	18148	18088
20 / 4 / 2005	13073	12831	12582	12658	12719	12520	14321	15791	16569	16625	16638
18 / 5 / 2005	12912	12272	12059	12187	11649	11855	13933	15318	16175	16392	16571
15 / 6 / 2005	12425	11887	11721	11593	11171	11418	13301	14943	15498	15769	15911
20 / 7 / 2005	12340	11872	11731	11643	11086	11102	12793	14047	14884	15340	15454
17 / 8 / 2005	12190	11686	11677	11553	11573	11359	12925	14248	15239	15721	15867
21 / 9 / 2005	12921	12587	12425	12466	12567	13012	14426	15869	16410	16510	16465
19/ 10 / 2005	14277	13914	13820	13778	13933	14442	16606	17414	18120	18094	17974
16/ 11 / 2005	14285	13864	13780	13883	14055	14594	16649	17626	18404	18425	18482
21/ 12 / 2005	15593	15032	14958	14820	15104	15654	17758	19069	19625	19788	19929

FYROM

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
1249	1249	1302	1329	1319	1370	1363	1353	1354	1330	1318	1283	1239
1179	1170	1184	1201	1180	1197	1252	1261	1269	1247	1212	1225	1156
880	861	886	911	893	911	972	1119	1148	1132	1087	1064	973
894	883	894	892	881	857	853	859	958	1028	986	914	832
831	801	821	843	811	795	756	758	799	893	901	839	759
843	842	844	880	868	851	817	813	831	899	950	891	809
867	876	884	864	839	821	799	815	806	902	928	869	803
833	836	843	832	830	802	771	762	810	892	848	789	724
862	843	843	854	850	814	813	879	930	928	883	810	738
967	957	978	988	1024	1046	1104	1175	1220	1198	1154	1106	985
1151	1131	1141	1175	1213	1283	1330	1293	1277	1248	1204	1185	1078
1345	1355	1380	1397	1399	1418	1450	1426	1420	1428	1415	1428	1367

The Netherlands

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
16157	15891	15911	15810	15697	15724	16241	16232	15724	14639	13668	12399	11512
16273	15992	16054	15980	15883	15893	16074	16239	16016	15020	14176	13007	12222
14544	14327	14412	14340	14093	13993	14034	13751	14832	13996	13163	12049	11204
15229	15010	14991	14796	14507	14209	13901	12973	12587	12351	13042	12306	11643
14768	14634	14724	14567	14350	14123	13939	13141	12718	12333	12449	12519	11879
14686	14594	14733	14609	14464	14236	13888	12933	12537	12127	11908	11873	11622
14050	13891	13933	13862	13720	13492	13248	12300	11740	11339	11153	11422	11194
14040	13960	14068	14004	13814	13646	13304	12439	12089	11780	12234	11962	11449
14501	14370	14543	14477	14281	14070	13823	12934	12934	13693	13181	12216	11526
15151	15020	14914	14741	14584	14310	14111	13869	14637	14123	13403	12329	11532
16057	15656	15794	15697	15600	15906	16858	16150	15756	14806	14041	13006	12143
16184	16016	16136	16168	16091	16334	16597	15911	15477	14862	14037	12877	11951

Poland

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
18932	18910	18569	18355	18545	19978	19906	19765	19260	18738	17305	16321	15276
18724	18667	18839	18674	18070	18473	19570	19970	19650	18394	17792	16820	15563
18155	18392	18251	18154	17624	17344	17941	19416	19496	18284	17525	16356	15234
16701	16673	16553	16437	16202	15938	15784	15824	16433	17787	16583	15758	14276
16598	16736	16596	16501	16305	16076	15681	15771	16052	15890	16247	15107	13757
16116	15959	15885	15937	15423	15278	14952	15000	14890	14531	15456	14911	13552
15562	15515	15493	15348	15046	14713	14506	14502	14452	14670	15307	14370	13139
15963	15994	15887	15730	15410	15066	14735	14693	14696	16438	15460	14437	13347
16472	16401	16269	16209	15970	15714	15594	16219	18290	17458	15979	14865	13665
17878	17635	17455	17389	16903	16634	17432	19546	19698	18704	17189	16281	15132
18497	18584	18682	18666	18986	20218	20193	18793	19648	18893	17529	16414	15324
19853	19989	20095	19997	20477	21578	21425	21173	21248	20389	19154	18121	16510

Hourly load values on the 3rd Wednesday in MW

Portugal

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	6027	5264	4920	4761	4672	4654	4729	5065	5991	7034	7367
16 / 2 / 2005	6030	5332	4983	4789	4698	4657	4796	5151	5926	7089	7472
16 / 3 / 2005	5456	4909	4549	4412	4336	4305	4433	4588	5507	6560	6776
20 / 4 / 2005	5201	4704	4361	4192	4146	4074	4257	4449	5172	6323	6601
18 / 5 / 2005	5105	4552	4267	4131	4077	4073	4174	4235	5111	6077	6454
15 / 6 / 2005	5428	4931	4624	4490	4405	4347	4399	4480	5325	6433	6824
20 / 7 / 2005	5696	5192	4816	4651	4523	4518	4559	4621	5388	6562	7106
17 / 8 / 2005	5101	4620	4311	4141	3990	3997	4046	4098	4516	5230	5714
21 / 9 / 2005	5245	4718	4476	4280	4241	4222	4334	4707	5224	6214	6528
19/ 10 / 2005	5126	4609	4376	4244	4191	4156	4328	4694	5418	6386	6614
16/ 11 / 2005	5750	5119	4775	4586	4500	4512	4654	5040	5790	6742	7085
21/ 12 / 2005	6996	6036	5564	5297	5189	5162	5232	5561	6293	7315	7814

Romania

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	6300	6330	6269	6157	6436	7303	7712	7603	7507	7507	7328
16 / 2 / 2005	5932	5713	5952	6133	6185	6643	7392	7357	7294	7229	7235
16 / 3 / 2005	5903	5922	5802	6223	6325	6753	7086	6982	6894	6628	6583
20 / 4 / 2005	5571	5578	5510	5434	5591	6342	6584	6689	6466	6354	6459
18 / 5 / 2005	5063	4916	4936	4879	4963	5547	5908	6009	5978	5942	6052
15 / 6 / 2005	5026	4922	4844	4950	4912	5329	6114	5928	5812	5999	5983
20 / 7 / 2005	4713	4604	4670	4700	4712	5247	5586	5839	5844	5723	5785
17 / 8 / 2005	4777	4702	4794	4776	4779	5205	5788	5814	5856	5828	5983
21 / 9 / 2005	5114	5140	4936	5142	5097	5772	6162	6250	6312	6242	6431
19/ 10 / 2005	5424	5540	5321	5499	5711	6391	7026	6900	6827	6705	6729
16/ 11 / 2005	5439	5564	5568	5621	5906	6451	7069	7248	7107	6939	7023
21/ 12 / 2005	5836	5735	5766	6004	5996	7196	7407	7418	7175	7212	7143

Slovenia

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	1372	1329	1317	1277	1319	1387	1729	1936	1958	1959	1956
16 / 2 / 2005	1424	1349	1309	1306	1327	1431	1747	1945	1958	1925	1896
16 / 3 / 2005	1399	1346	1331	1331	1363	1438	1728	1883	1912	1851	1827
20 / 4 / 2005	1314	1281	1244	1206	1235	1325	1640	1797	1804	1815	1807
18 / 5 / 2005	1304	1245	1196	1208	1213	1284	1583	1757	1819	1812	1843
15 / 6 / 2005	1307	1265	1211	1223	1231	1287	1612	1756	1820	1796	1793
20 / 7 / 2005	1385	1322	1284	1267	1262	1337	1583	1739	1808	1823	1808
17 / 8 / 2005	1228	1166	1152	1159	1162	1255	1453	1635	1721	1700	1669
21 / 9 / 2005	1340	1296	1248	1264	1255	1384	1666	1888	1895	1834	1832
19/ 10 / 2005	1398	1340	1301	1306	1322	1423	1759	1907	1935	1892	1867
16/ 11 / 2005	1438	1376	1334	1325	1348	1433	1784	1938	1944	1894	1881
21/ 12 / 2005	1487	1455	1417	1399	1440	1555	1894	2075	2052	2004	1992

Portugal

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
7477	7488	6829	7042	7192	7121	7103	7446	8016	7966	7788	7439	6905
7555	7571	6969	7200	7285	7172	7080	7002	8020	8149	7951	7573	7134
6873	6881	6280	6519	6660	6548	6455	6297	6752	7116	6838	6495	6035
6745	6800	6223	6443	6665	6668	6473	6208	6173	6288	6798	6567	6074
6603	6674	6100	6331	6456	6377	6279	5968	5880	5823	6021	6215	5854
7020	7082	6582	6819	6917	6881	6790	6556	6425	6278	6226	6606	6265
7386	7474	7014	7175	7380	7325	7268	7059	6851	6652	6557	6856	6452
5915	6077	5880	5860	5935	5918	5885	5735	5642	5570	6049	5908	5522
6722	6812	6334	6596	6746	6731	6654	6414	6286	6786	6747	6411	5886
6742	6768	6220	6419	6506	6493	6477	6329	6667	6970	6731	6373	5831
7188	7235	6610	6770	6945	6883	6882	7567	7784	7596	7349	7043	6569
7953	7959	7384	7502	7582	7541	7674	8464	8673	8634	8411	8100	7689

Romania

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
7332	7492	7184	7052	7193	7729	7810	7737	7407	6828	6566	6380	6045
7380	7321	7125	6950	7033	7348	7707	7748	7367	6864	6124	6158	6124
6653	6713	6507	6414	6322	6499	7099	7384	7152	6643	6338	5833	5975
6421	6321	6146	6012	6141	6011	6019	6300	6684	6428	6022	5753	5564
6046	6137	5945	5852	5756	5588	5544	5642	6120	6225	5736	5322	5151
6089	6059	6014	5732	5706	5605	5530	5613	5688	6134	5550	5316	5188
6039	6041	5434	5624	5559	5366	5452	5412	5605	5956	5493	5309	5044
5778	5892	5755	5672	5614	5708	5730	5841	6089	6114	5372	5097	4817
6265	6217	6056	5876	5894	5911	5970	6590	6590	6017	5486	5396	5056
6654	6536	6349	6220	6140	6246	6891	7192	7053	6600	6200	5841	5505
6835	6897	6836	6686	7127	7731	7704	7514	7098	6665	6328	5675	5632
7261	7213	7150	7092	7527	7864	7974	7714	7497	6992	6481	6162	6124

Slovenia

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
1948	1944	1889	1919	1861	1939	1985	2003	1982	1908	1748	1629	1505
1920	1902	1842	1879	1804	1842	1873	2014	1994	1915	1753	1640	1521
1828	1817	1814	1785	1738	1727	1728	1904	2011	1899	1752	1592	1485
1822	1826	1866	1792	1766	1752	1721	1722	1781	1871	1696	1574	1462
1849	1820	1802	1734	1708	1658	1634	1642	1699	1714	1633	1517	1385
1815	1847	1772	1837	1736	1718	1679	1666	1668	1698	1746	1576	1475
1848	1845	1812	1832	1779	1736	1700	1682	1682	1691	1714	1631	1526
1702	1699	1662	1678	1638	1621	1614	1642	1637	1698	1598	1469	1396
1851	1840	1867	1821	1796	1786	1751	1813	1958	1911	1734	1588	1479
1871	1855	1824	1756	1738	1741	1751	1907	1998	1878	1737	1559	1457
1921	1916	1926	1889	1859	1967	2068	2043	2008	1918	1781	1671	1534
1995	1966	1924	1867	1852	1957	2053	2040	2018	1927	1773	1668	1553

Hourly load values on the 3rd Wednesday in MW

Slovak Republic

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	3525	3405	3373	3382	3525	3687	4065	4023	4058	4034	4010
16 / 2 / 2005	3481	3391	3337	3381	3503	3643	3867	3981	3960	3928	3886
16 / 3 / 2005	3293	3148	3152	3206	3293	3372	3692	3643	3747	3714	3351
20 / 4 / 2005	2790	2629	2651	2699	2732	2861	3262	3291	3328	3369	3333
18 / 5 / 2005	2683	2571	2543	2540	2522	2752	3113	3252	3384	3322	3326
15 / 6 / 2005	2780	2710	2574	2579	2656	2861	3092	3166	3202	3148	3244
20 / 7 / 2005	2642	2562	2558	2539	2445	2584	2915	3000	3115	3122	3083
17 / 8 / 2005	2552	2461	2437	2457	2486	2609	2875	3009	3145	3161	3142
21 / 9 / 2005	2773	2652	2598	2592	2707	2877	3242	3284	3356	3306	3285
19/ 10 / 2005	3082	3005	2995	2998	3123	3326	3697	3688	3716	3636	3543
16/ 11 / 2005	3282	3211	3154	3143	3310	3509	3800	3785	3893	3914	3812
21/ 12 / 2005	3524	3409	3373	3383	3432	3636	4023	4036	4044	4045	3915

UCTE

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	289413	279828	270890	265857	267719	281705	313884	347317	365351	368411	370163
16 / 2 / 2005	293914	285978	278303	272989	273343	285190	313713	342428	359753	366374	368101
16 / 3 / 2005	266904	256378	247778	244495	248467	263586	291802	317529	333723	335531	333951
20 / 4 / 2005	244753	235646	228461	225867	229909	245156	273479	302411	320206	327136	328905
18 / 5 / 2005	235118	224828	218029	215089	217514	228442	256904	286992	306678	314395	317388
15 / 6 / 2005	234859	224164	217011	213359	214449	223634	254087	283725	303491	312377	317041
20 / 7 / 2005	244736	232968	223335	219455	220631	229554	256624	285469	307319	317989	325335
17 / 8 / 2005	217080	206938	198726	195218	196579	207309	226569	249524	267771	278322	285600
21 / 9 / 2005	244528	226384	219341	216704	220616	236335	269830	295701	310928	315891	318950
19/ 10 / 2005	244879	234451	227123	226098	231997	248454	283132	313456	326739	330115	331841
16/ 11 / 2005	267106	255922	248626	244868	248347	262988	297205	327906	342994	348293	351694
21/ 12 / 2005	301261	288911	281146	276351	277611	292236	323238	356320	373686	377734	378976

Slovak Republic

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
4020	4047	3972	3936	4037	4152	4136	4172	4052	3853	3785	3714	3634
3870	3934	3911	3821	3851	3956	4057	4106	4022	3822	3736	3631	3582
3690	3575	3529	3616	3607	3542	3695	3900	3832	3628	3450	3473	3336
3368	3368	3325	3321	3375	3333	3300	3369	3450	3326	3173	3113	3004
3348	3332	3244	3204	3204	3183	3144	3231	3215	3172	2991	2974	2854
3185	3237	3174	3133	3107	3076	3008	3085	2996	3104	3042	3046	2886
3163	3159	3129	3114	3061	2964	2964	2990	3003	3039	2977	3013	2844
3188	3152	3064	3027	2982	2969	2910	2938	3007	3081	2892	2861	2691
3259	3206	3126	3160	3141	3145	3003	3275	3435	3186	3042	2928	2793
3579	3600	3453	3455	3423	3427	3600	3837	3796	3560	3336	3346	3238
3837	3882	3797	3807	3886	4033	3983	3974	3897	3703	3566	3477	3402
3923	3943	3973	3988	4090	4323	4212	4168	4129	3986	3793	3733	3595

UCTE

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
369244	365550	356960	353666	353270	357579	371085	380001	368471	351508	332529	320776	299850
369747	365093	363479	359587	356818	355526	367087	381036	375062	360339	343406	334230	317200
333012	326926	323333	318188	314059	309329	313357	334704	343430	327484	307253	292776	273798
328320	323422	319770	314154	309875	304412	300390	300441	303299	307172	301453	289315	268905
318330	314082	310360	305550	301151	295538	291151	289896	287583	285125	283276	275433	255426
320708	317351	313758	310426	306114	302367	298213	295295	288755	283381	279798	275253	254754
329014	325889	323275	320310	316823	312078	309215	305952	298827	293208	289864	285308	265831
290404	290318	285406	281059	276308	272695	270286	269919	267980	269556	266873	256427	237548
319599	314991	312182	308931	305074	301431	298985	302710	312484	308220	289260	272222	252110
332402	326877	322731	318088	315407	313607	316954	333391	336998	322838	301601	285456	265385
351196	346537	344766	341917	342921	352574	364636	365056	354747	336180	317930	305079	287812
378379	373280	370702	366551	366745	378545	388885	389858	379580	362636	345294	334214	317364

Hourly load values on the 3rd Wednesday in MW

Denmark West

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	2066	1990	1953	1971	2053	2399	3025	3516	3475	3529	3485
16 / 2 / 2005	2174	2133	2113	2159	2234	2543	3091	3435	3467	3542	3545
16 / 3 / 2005	2087	2083	2053	2058	2148	2402	2949	3317	3285	3334	3365
20 / 4 / 2005	1876	1837	1840	1854	1943	2145	2644	3007	3015	3078	3062
18 / 5 / 2005	1931	1849	1832	1859	1849	2116	2578	2950	2924	3083	3030
15 / 6 / 2005	1883	1842	1823	1839	1839	2067	2510	2916	2942	3019	3029
20 / 7 / 2005	1639	1529	1550	1575	1540	1699	1949	2253	2402	2497	2481
17 / 8 / 2005	1860	1825	1812	1822	1884	2081	2544	2883	2968	3082	3093
21 / 9 / 2005	1896	1849	1834	1855	1941	2201	2690	2963	2980	3046	3053
19/ 10 / 2005	1849	1796	1779	1808	1887	2154	2664	2961	2986	3064	2996
16/ 11 / 2005	2069	1997	1981	2010	2071	2368	2975	3296	3254	3301	3257
21/ 12 / 2005	2079	2059	2034	2045	2149	2444	3007	3527	3488	3517	3454

Ukraine West

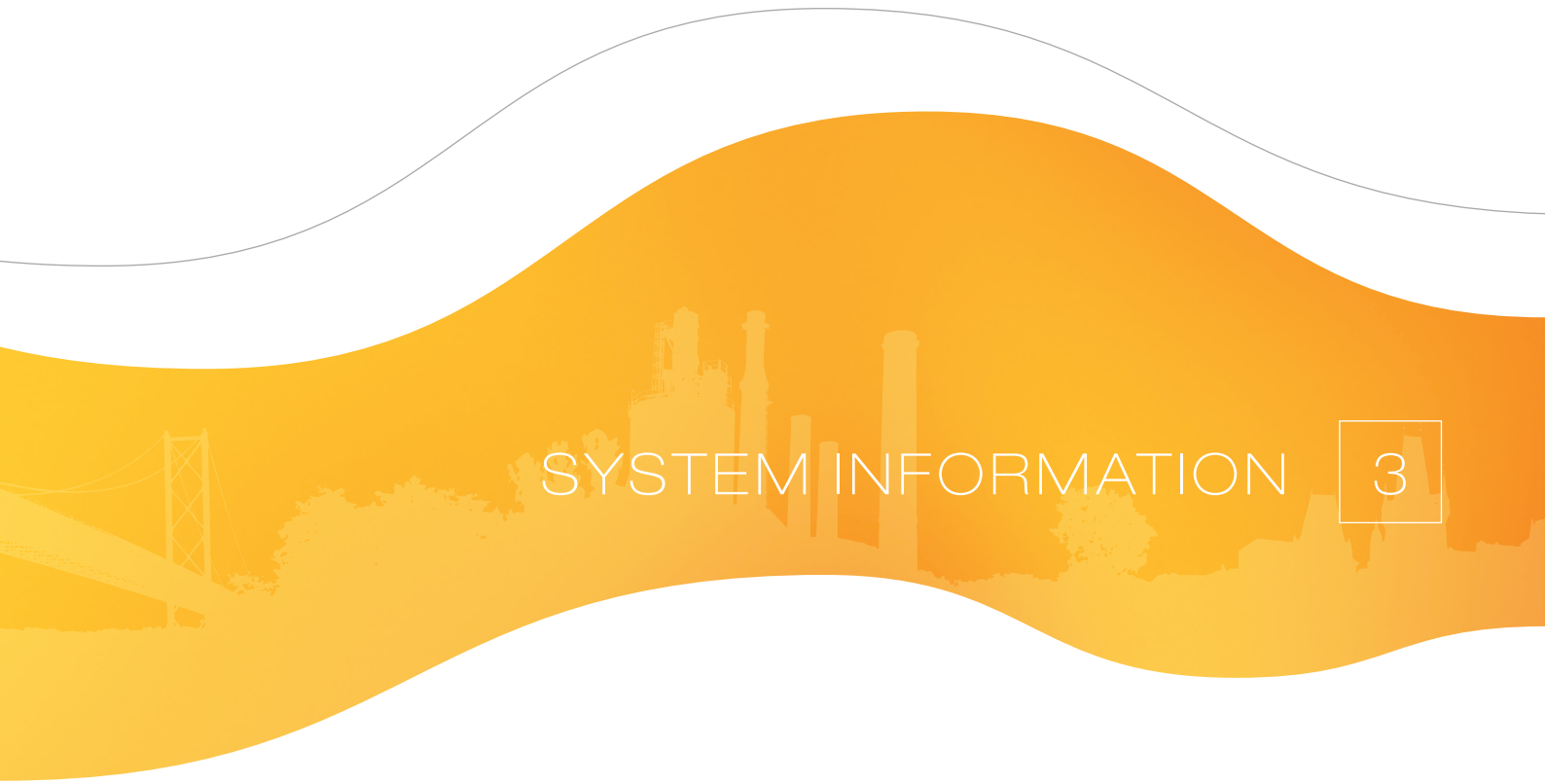
Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
19 / 1 / 2005	754	728	726	716	755	794	864	838	861	841	827
16 / 2 / 2005	686	671	661	701	673	792	819	803	855	803	799
16 / 3 / 2005	643	627	631	641	664	729	748	777	792	764	734
20 / 4 / 2005	538	523	505	506	533	640	669	663	692	687	669
18 / 5 / 2005	457	438	487	456	466	549	571	607	602	605	578
15 / 6 / 2005	468	475	458	460	468	502	568	580	603	582	574
20 / 7 / 2005	411	413	406	414	432	447	503	538	589	547	576
17 / 8 / 2005	425	419	390	407	445	473	509	561	581	579	567
21 / 9 / 2005	416	414	398	416	434	513	532	531	532	507	494
19/ 10 / 2005	592	580	570	586	603	686	751	754	761	765	712
16/ 11 / 2005	580	589	592	601	634	713	749	775	759	769	749
21/ 12 / 2005	691	677	677	685	698	795	854	852	867	867	833

Denmark West

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
3303	3286	3274	3221	3109	3427	3538	3300	3062	2839	2670	2366	2145
3428	3438	3366	3263	3138	3295	3569	3377	3164	2946	2794	2568	2354
3214	3234	3249	3128	2982	3121	3238	3177	2994	2785	2566	2357	2149
2970	2980	2933	2836	2671	2742	2811	2665	2516	2489	2462	2196	2021
3011	2971	2981	2858	2719	2749	2823	2635	2531	2422	2379	2235	2057
2915	2943	2896	2784	2647	2693	2667	2537	2424	2292	2242	2183	1997
2437	2394	2346	2313	2215	2263	2362	2204	2070	1969	1934	1885	1707
3015	3074	3059	2951	2744	2811	2882	2721	2586	2575	2490	2264	2050
2979	3024	2997	2880	2732	2785	2832	2692	2780	2624	2451	2220	1990
2902	2923	2846	2725	2588	2679	2800	2883	2702	2498	2393	2167	1964
3177	3232	3185	3060	2979	3374	3445	3239	2991	2796	2613	2353	2147
3344	3312	3280	3192	3190	3399	3437	3243	3046	2832	2642	2428	2165

Ukraine West

12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00
809	815	862	852	877	954	954	922	920	894	830	785	726
789	799	775	791	784	874	957	933	872	847	778	714	679
749	759	739	735	728	791	869	868	857	792	727	696	653
692	692	697	713	681	689	721	759	785	741	638	587	559
621	637	644	608	585	569	570	593	637	590	530	467	424
583	584	581	587	561	557	552	553	584	657	617	536	475
561	546	565	578	534	552	535	522	541	629	569	488	443
554	560	531	552	554	537	571	565	601	597	549	478	431
480	487	486	491	469	475	504	580	619	572	496	445	421
715	706	684	695	671	677	793	857	840	779	706	627	625
739	720	745	755	771	860	874	843	791	739	726	639	612
860	840	842	865	902	978	965	936	927	856	788	715	669



SYSTEM INFORMATION 3

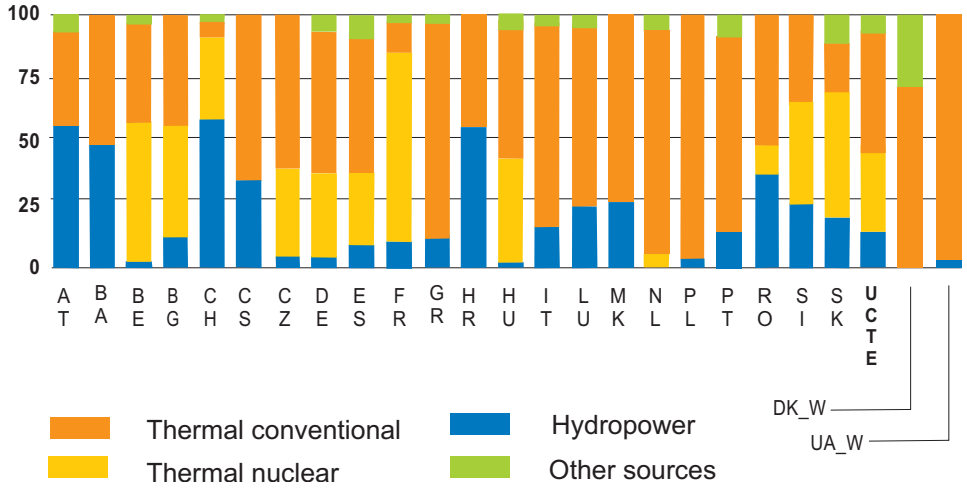
Tables and graphs [1,2]

III

[1] **All values of production and consumption are calculated to represent 100% of the national values**

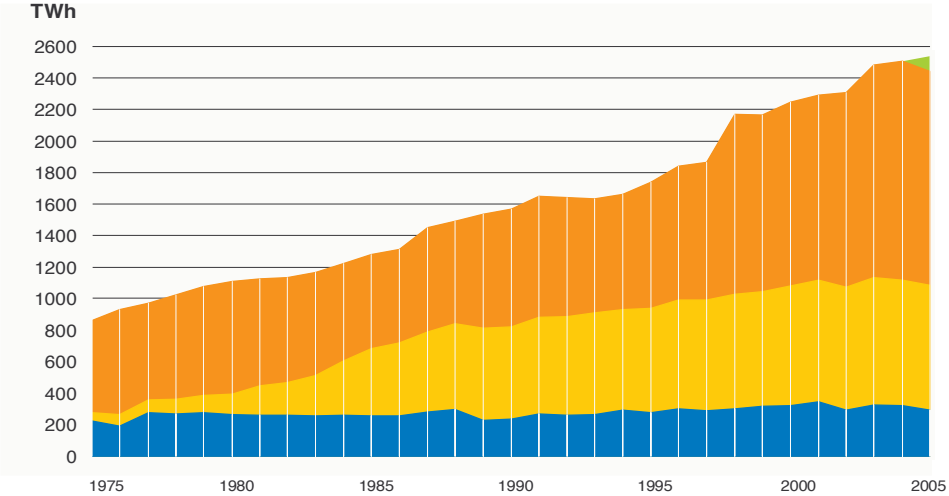
[2] The Bulgarian values of production and consumption are gross

Net electricity production[1] and its structure



Country	Thermal nuclear TWh	%	Thermal conventional TWh	%	Hydro-production TWh	%	Other renewable TWh	%	of which wind TWh	Not clearly identifiable TWh	%	Total TWh
AT	-	-	24,1	37,7	35,5	55,7	-	-	-	4,2	6,6	**63,8** [2]
BA	-	-	6,6	52,4	6,0	47,6	-	-	-	-	-	**12,6**
BE	45,3	54,8	33,7	40,8	1,5	1,9	2,1	2,5	0,2	-	-	**82,7** [2]
BG	18,7	42,1	20,9	47,3	4,7	10,5	-	-	-	-	-	**44,3**
CH	22,0	38,0	2,2	3,8	32,8	56,6	0,9	1,6	0,01	-	-	**57,9** [2]
CS	-	-	27,5	66,4	13,9	33,6	-	-	-	-	-	**41,5** [2]
CZ	23,3	30,5	49,8	65,4	3,0	4,0	0,1	0,1	0,02	-	-	**76,2** [2]
DE	154,5	26,9	357,6	62,3	23,6	4,1	38,4	6,7	28,9	-	-	**574,1** [2]
ES	55,0	21,1	157,2	60,4	22,5	8,6	25,8	9,9	17,3	-	-	**260,5** [2]
FR	430,0	78,3	59,0	10,7	56,0	10,2	4,3	0,8	1,0	-	-	**549,2**
GR[3]	-	-	43,3	86,7	5,6	11,2	1,1	2,1	1,0	-	-	**49,9** [2]
HR	-	-	5,2	44,6	6,4	55,2	0,02	0,2	0,01	-	-	**11,6** [2]
HU	13,0	39,3	17,9	54,0	0,2	0,6	1,4	4,2	0,01	0,6	1,8	**33,1** [2]
IT	-	-	241,1	82,9	42,4	14,6	7,4	2,5	2,3	-	-	**290,8** [2]
LU	-	-	3,1	76,0	0,9	21,3	0,1	2,6	0,05	-	-	**4,1**
MK	-	-	5,0	77,1	1,5	22,9	-	-	-	-	-	**6,5** [2]
NL	3,8	3,9	86,7	89,9	-	-	5,9	6,2	2,1	-	-	**96,4** [2]
PL	-	-	140,2	97,4	3,6	2,5	0,2	0,2	0,1	-	-	**144,0** [2]
PT	-	-	35,2	80,7	4,9	11,3	3,5	8,1	1,7	-	-	**43,6** [2]
RO	5,1	9,4	29,8	54,3	19,9	36,3	-	-	-	-	-	**54,8** [2]
SI	5,6	42,5	4,6	34,8	3,0	22,7	-	-	-	-	-	**13,2**
SK	16,4	56,2	5,5	18,9	4,6	15,7	0,01	-	0,01	2,7	9,2	**29,1** [2]
UCTE	**792,7**	**31,2**	**1356,0**	**53,4**	**292,3**	**11,5**	**91,2**	**3,6**	**54,7**	**7,5**	**0,3**	**2539,7** [2]
DK_W	-	-	15,5	70,7	0,02	0,1	6,4	29,2	5,0	-	-	**21,9** [2]
UA_W	-	-	8,0	98,6	0,1	1,4	-	-	-	-	-	**8,1** [2]

[1] Before 2005, the information on other renewable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").
[2] Including deliveries from industry
[3] The values for Greece refer to the interconnected system and not to the whole country.



Year	Hydro power TWh	Thermal nuclear TWh	Thermal conventional TWh	Other sources [1] TWh	Total TWh
1975	222,9	50,0	585,4		858,3
1976	191,2	69,5	669,1		929,8
1977	276,2	82,2	610,4		968,8
1978	266,1	97,4	659,9		1023,4
1979	275,4	110,6	691,3		1077,3
1980	263,4	133,9	712,1		1109,4
1981	256,4	191,0	678,4		1125,8
1982	258,0	211,2	665,5		1134,7
1983	255,9	258,8	653,3		1168,0
1984	257,0	348,5	617,3		1222,8
1985	255,2	426,3	597,3		1278,8
1986	253,3	464,4	593,6		1311,3
1987	276,8	510,4	662,4		1449,6
1988	295,4	545,0	650,3		1490,8
1989	226,7	583,5	725,4		1535,6
1990	233,0	588,1	747,1		1568,1
1991	265,2	614,3	768,3		1647,7
1992	257,8	626,5	754,2		1638,6
1993	262,2	648,0	719,9		1630,0
1994	290,3	636,6	730,6		1657,5
1995 [2]	276,0	659,5	803,1		1738,5
1996	298,8	690,7	852,0		1841,4
1997	286,0	701,3	876,5		1863,8
1998 [3]	298,5	725,0	1146,4		2169,8
1999	314,6	729,9	1119,5		2164,0
2000	319,1	764,3	1163,0		2246,4
2001	346,5	773,1	1171,5		2291,0
2002	289,7	784,6	1229,5		2303,9
2003 [4]	321,7	814,8	1348,1		2484,6
2004	319,8	798,6	1386,8		2505,2
2005	292,3	792,6	1356,0	98,7	2539,7

[1] Before 2005, the information on other renewable energy sources was collected in a different manner. Some countries added them to thermal conventional, some considered them as the part of not represented in the figures (through the factor "representativity").

[2] As of September 1995 total German values

[3] Including values of CZ, HU, PL, SK as of 1998

[4] Including values of RO, BG as of 2003

T3 National electricity consumption and maximum load in 2005

National electricity consumption

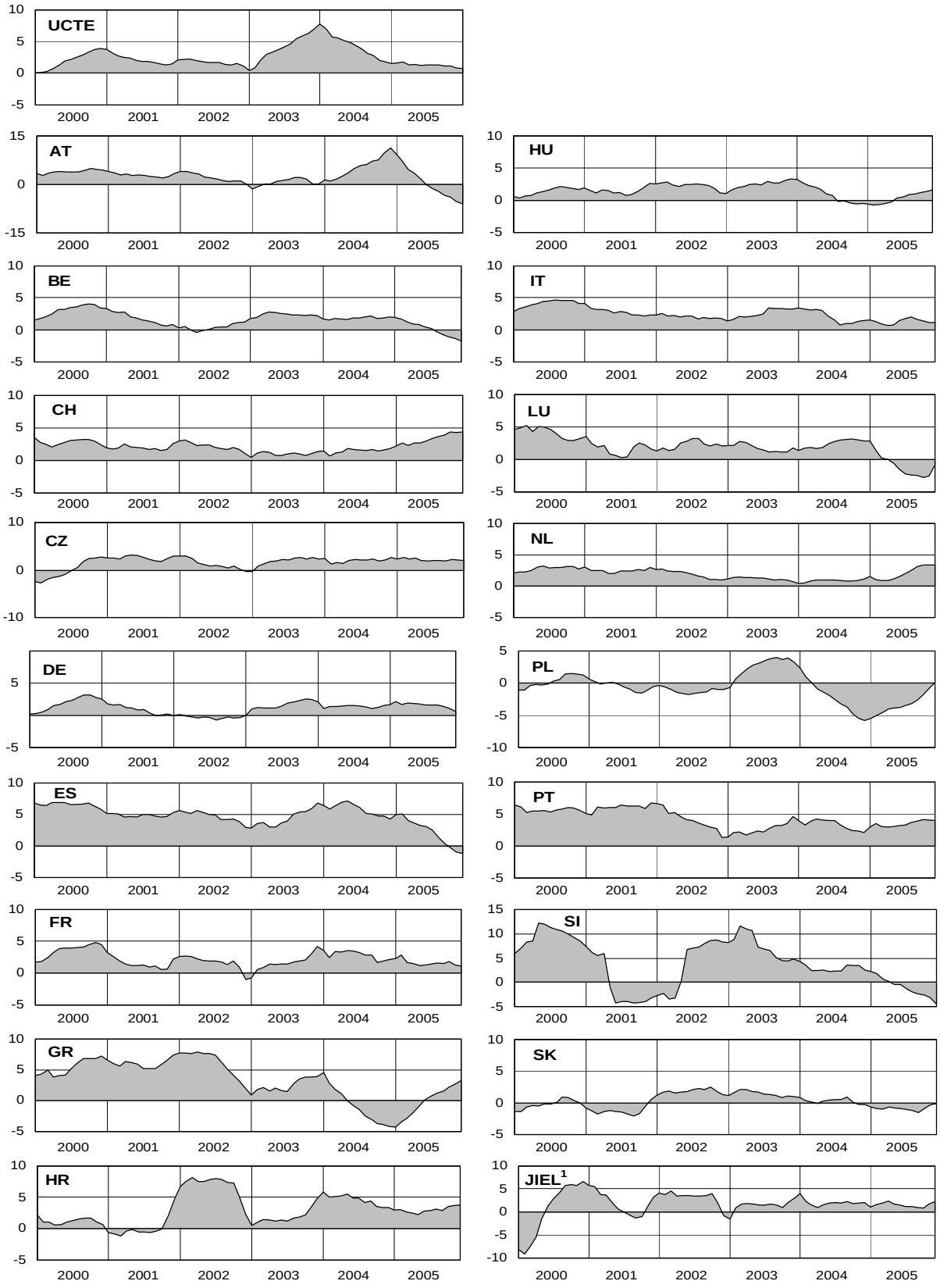
Country	GWh	D %[1]	repr %[2]	Country	GWh	D %[1]	repr %[2]
AT[3]	63174	-6,1	90/100	**HU**	39314	2,8	100
BA	11191	4,9	100	**IT**	330441	1,5	100
BE	87169	-1,3	100	**LU**	6237	-2,3	99
BG	36083	3,0	100	**MK**	8074	8,5	100
CH	63047	4,4	100	**NL**	114658	3,3	100
CS	41632	0,3	100	**PL**	130612	0,3	100
CZ	62693	1,9	100	**PT**	49863	4,6	96
DE	556371	0,7	100	**RO**	51885	2,2	100
ES	252764	9,2	98	**SI**	12767	-4,7	95
FR	482400	1,1	100	**SK**	26283	-0,1	100
GR[4]	52876	3,1	100				
HR	16557	3,7	100				
				DK_W	21296	0,9	100
UCTE	**2496091**	**1,9**		**UA_W**	4362	- 1,5	100

[1] As compared to the last year
[2] Percentage as referred to the total values of a country.
(The total values of a country are defined as the synchronously interconnected system plus the areas directly connected via AC or DC to the mainland system.)
[3] In January, February and March 90%, the other months 100%
[4] The values for Greece refer to the interconnected system and not to the whole country.

Highest load 3rd Wednesday of each country / **Maximum load in each country**

Country	MW	Date	Time	MW	Date	Day	Time
AT[6]	10521	19 January	06:00 p.m.	9190	12 December	Monday	06:30 p.m.
BA	1821	21 December	06:00 p.m.	2005	31 December	Saturday	06:00 p.m.
BE	13059	21 December	07:00 p.m.	13731	13 December	Tuesday	06:00 p.m.
BG	6222	21 December	07:00 p.m.	6502	09 February	Wednesday	07:00 p.m.
CH	9724	21 December	11:00 a.m.	9783	21 December	Wednesday	11:45 a.m.
CS	7126	21 December	06:00 p.m.	7621	09 February	Wednesday	08:00 p.m.
CZ	9576	16 February	01:00 p.m.	10011	28 November	Monday	05:00 p.m.
DE	82527	16 November	06:00 p.m.	76700	15 December	Thursday	05:45 p.m.
ES[7]	40972	21 December	07:00 p.m.	43378	27 January	Thursday	08:00 p.m.
FR	82319	21 December	07:00 p.m.	86024	28 February	Monday	07:15 p.m.
GR[4]	9140	20 July	01:00 p.m.	9491	03 August	Wednesday	01:00 p.m.
HR	2810	21 December	06:00 p.m.	2900	02 March	Wednesday	08:00 p.m.
HU[8]	6146	19 January	03:00 p.m.	6439	24 November	Thursday	03:00 p.m.
IT	54115	21 December	06:00 p.m.	55015	20 December	Tuesday	06:00 p.m.
LU	942	16 November	07:00 p.m.	1046	29 November	Tuesday	07:00 p.m.
MK	1450	21 December	06:00 p.m.	1490	31 December	Saturday	06:00 p.m.
NL	16858	16 November	06:00 p.m.	16916	09 December	Friday	05:30 p.m.
PL	21578[9]	21 December	05:00 p.m.	21680	21 December	Wednesday	05:00 p.m.
PT	8669	21 December	08:00 p.m.	8528	27 January	Thursday	08:30 p.m.
RO	7974	21 December	06:00 p.m.	8102	15 December	Thursday	05:00 p.m.
SI	2074	21 December	08:00 a.m.	2073	24 November	Thursday	07:00 p.m.
SK	4323	21 December	05:00 p.m.	4346	12 December	Monday	05:00 p.m.
UCTE	**389858**	**21 December**	**07:00 p.m.**				
DK_W	3569	16 February	06:00 p.m.				
UA_W	978	21 December	05:00 p.m.	1024	11 February	Friday	06:00 p.m.

[6] The maximum load values represents 82%.
[7] The maximum load values represents 96 %.
[8] The highest load on the 3rd Wednesday are gross load values, the maximum load are net load values.
[9] Average value of this hour.



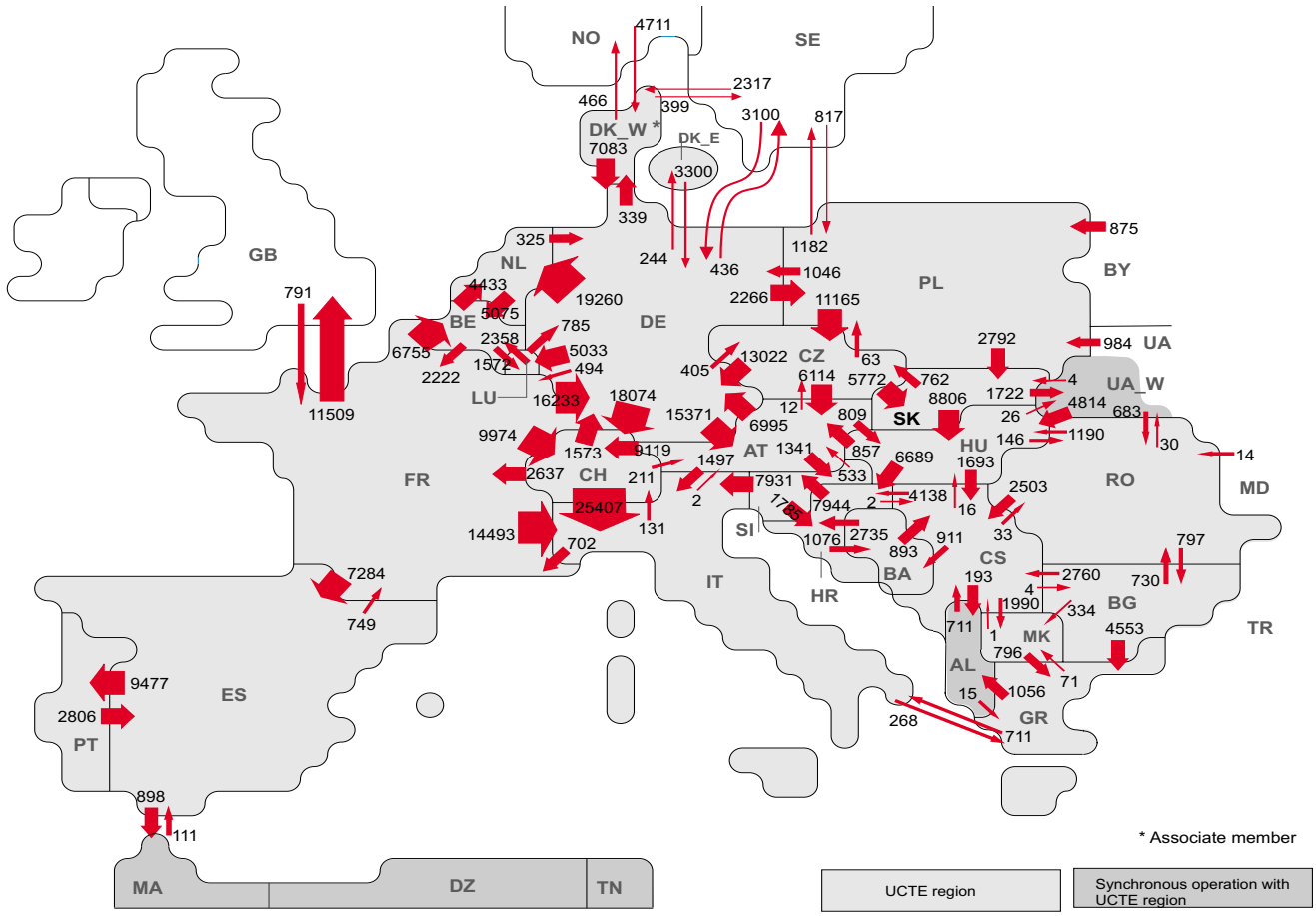
[1] JIEL = FRY + FYROM (Federal Republic of Yugoslavia and Former Yugoslav Republic of Macedonia)

T4 Development of power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.[1]

Month	GW	Month	GW	Month	GW	Month	GW	Month	GW	Month	GW
01/1982	187,3	01/1986	206,1	01/1990	233,5	**01/1994**	**254,4**	**01/1998**	**313,9**	01/2002	336,2
02/1982	190,4	**02/1986**	**215,1**	02/1990	214,3	02/1994	243,5	02/1998	294,4	02/2002	323,8
03/1982	181,7	03/1986	192,7	03/1990	209,7	03/1994	223,9	03/1998	294,1	03/2002	305,0
04/1982	170,9	04/1986	192,8	04/1990	219,6	04/1994	227,3	04/1998	292,0	04/2002	306,1
05/1982	162,4	05/1986	182,6	05/1990	204,4	05/1994	215,2	05/1998	265,4	05/2002	290,7
06/1982	164,6	06/1986	182,3	06/1990	207,5	06/1994	213,6	06/1998	271,0	06/2002	305,0
07/1982	151,6	07/1986	176,7	07/1990	204,8	07/1994	212,8	07/1998	267,8	07/2002	292,7
08/1982	***138,5***	***08/1986***	***161,7***	***08/1990***	***164,0***	***08/1994***	***193,8***	***08/1998***	***252,0***	***08/2002***	***268,0***
09/1982	164,3	09/1986	190,8	09/1990	209,8	09/1994	221,1	09/1998	280,0	09/2002	294,5
10/1982	168,5	10/1986	185,3	10/1990	210,8	10/1994	223,8	10/1998	289,3	10/2002	303,8
11/1982	178,8	11/1986	199,2	11/1990	226,6	11/1994	227,9	11/1998	308,9	11/2002	327,3
12/1982	**190,8**	12/1986	207,6	**12/1990**	**249,4**	12/1994	243,9	12/1998	311,5	**12/2002**	**344,4**
01/1983	187,7	**01/1987**	**231,7**	01/1991	244,3	01/1995	254,6	01/1999	307,3	01/2003	361,7
02/1983	**197,6**	02/1987	215,6	02/1991	242,5	02/1995	235,4	02/1999	313,8	**02/2003**	**369,2**
03/1983	180,8	03/1987	208,1	03/1991	214,9	03/1995	237,6	03/1999	291,4	03/2003	328,1
04/1983	172,1	04/1987	195,9	04/1991	216,6	04/1995	227,1	04/1999	285,7	04/2003	314,0
05/1983	167,4	05/1987	193,1	05/1991	214,0	05/1995	223,6	05/1999	273,0	05/2003	313,9
06/1983	165,2	06/1987	189,8	06/1991	211,5	06/1995	220,3	06/1999	280,1	06/2003	319,1
07/1983	158,3	07/1987	188,2	07/1991	208,4	07/1995	220,2	07/1999	277,2	07/2003	318,3
08/1983	***141,0***	***08/1987***	***167,0***	***08/1991***	***189,7***	***08/1995***	***189,6***	***08/1999***	***255,1***	***08/2003***	***288,7***
09/1983	168,3	09/1987	193,4	09/1991	208,9	09/1995	232,7	09/1999	278,0	09/2003	309,5
10/1983	170,5	10/1987	196,5	10/1991	214,5	10/1995	265,4	10/1999	296,2	10/2003	320,4
11/1983	184,3	11/1987	204,7	11/1991	237,5	11/1995	285,4	11/1999	308,5	11/2003	338,1
12/1983	188,7	12/1987	216,1	**12/1991**	**245,3**	**12/1995**	**300,4**	**12/1999**	**319,1**	12/2003	356,9
01/1984	192,0	01/1988	211,4	**01/1992**	**245,9**	**01/1996**	**305,8**	01/2000	321,0	01/2004	361,1
02/1984	**197,1**	02/1988	209,3	02/1992	242,8	02/1996	302,0	02/2000	312,9	02/2004	352,1
03/1984	182,5	03/1988	208,0	03/1992	219,6	03/1996	284,4	03/2000	297,4	03/2004	324,7
04/1984	174,4	04/1988	194,3	04/1992	223,0	04/1996	266,9	04/2000	293,4	04/2004	318,4
05/1984	174,4	05/1988	192,6	05/1992	208,4	05/1996	264,3	05/2000	285,5	05/2004	310,4
06/1984	169,3	06/1988	193,3	06/1992	201,7	06/1996	263,3	06/2000	296,2	06/2004	313,9
07/1984	164,0	07/1988	188,4	07/1992	205,5	07/1996	259,0	07/2000	285,4	07/2004	326,8
08/1984	***152,5***	***08/1988***	***171,3***	***08/1992***	***187,4***	***08/1996***	***241,9***	***08/2000***	***259,1***	***08/2004***	***289,9***
09/1984	175,7	09/1988	197,9	09/1992	209,3	09/1996	267,5	09/2000	290,1	09/2004	318,1
10/1984	175,2	10/1988	197,5	10/1992	226,1	10/1996	276,0	10/2000	298,7	10/2004	331,4
11/1984	187,8	11/1988	215,8	11/1992	229,5	11/1996	296,7	11/2000	316,4	11/2004	352,8
12/1984	196,6	**12/1988**	**227,7**	12/1992	235,7	12/1996	304,0	**12/2000**	**324,3**	**12/2004**	**371,0**
01/1985	**224,6**	**01/1989**	**232,9**	01/1993	233,0	01/1997	306,2	01/2001	332,6	01/2005	362,5
02/1985	207,5	02/1989	228,7	02/1993	242,9	02/1997	291,8	02/2001	317,2	02/2005	361,0
03/1985	196,6	03/1989	218,4	03/1993	223,6	03/1997	279,2	03/2001	310,8	03/2005	329,4
04/1985	182,1	04/1989	215,7	04/1993	210,4	04/1997	279,8	04/2001	308,5	04/2005	323,0
05/1985	175,4	05/1989	203,3	05/1993	205,3	05/1997	266,4	05/2001	290,0	05/2005	317,9
06/1985	177,2	06/1989	205,8	06/1993	199,8	06/1997	267,0	06/2001	296,3	06/2005	320,1
07/1985	172,3	07/1989	197,0	07/1993	203,0	07/1997	263,1	07/2001	291,5	07/2005	323,5
08/1985	***157,9***	***08/1989***	***179,2***	***08/1993***	***190,7***	***08/1997***	***243,6***	***08/2001***	***242,8***	***08/2005***	***290,3***
09/1985	180,2	09/1989	203,3	09/1993	213,2	09/1997	266,3	09/2001	296,6	09/2005	322,6
10/1985	184,2	10/1989	207,4	10/1993	224,1	10/1997	283,6	10/2001	300,3	10/2005	333,5
11/1985	209,8	11/1989	225,3	11/1993	228,4	11/1997	293,9	11/2001	329,5	11/2005	343,3
12/1985	205,2	12/1989	223,3	**12/1993**	**245,6**	**12/1997**	**316,0**	**12/2001**	**343,4**	**12/2005**	**375,9**

[1] Including Denmark from 01/1990, German total values from 09/1995 on, the former CENTREL countries CZ, HU, PL, SK from 10/1995 and RO, BG from 1/2003 on.

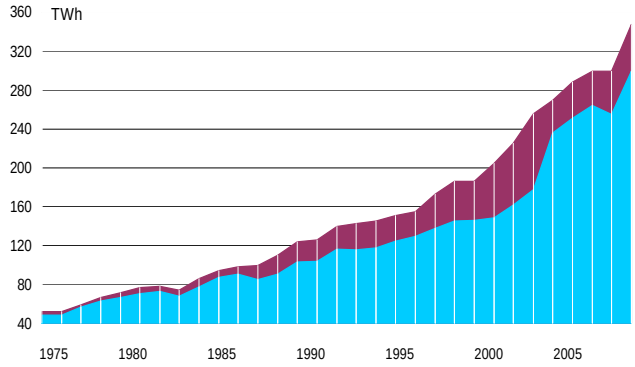
Physical energy flows 2005 in GWh

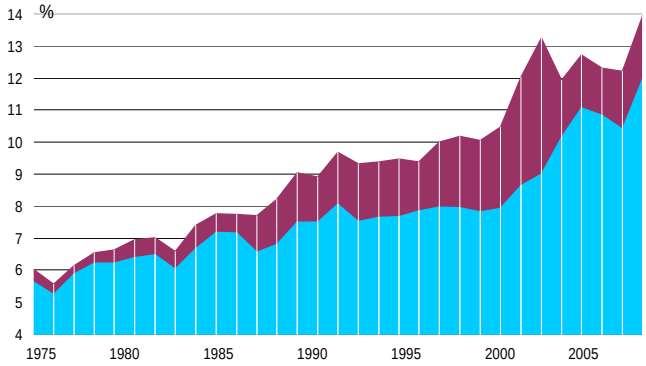


Exporting countries	Importing countries																							Sum export
	AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR	HR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	DK_W	UA_W	Other	
AT	-	-	-	-	9119	-	12	6995	-	-	-	-	809	1497	-	-	-	-	-	-	1341	-	-	-	-	19773
BA	-	-	-	-	-	893	-	-	-	-	-	2735	-	-	-	-	-	-	-	-	-	-	-	-	-	3628
BE	-	-	-	-	-	-	-	-	-	2222	-	-	-	-	1367	-	4433	-	-	-	-	-	-	-	-	8022
BG	-	-	-	-	-	2760	-	-	-	-	4553	-	-	-	-	334	-	-	-	730	-	-	-	-	0	8377
CH	211	-	-	-	-	-	-	1573	-	2637	-	-	-	25407	-	-	-	-	-	-	-	-	-	-	-	29828
CS	-	911	-	4	-	-	-	-	-	-	-	4138	16	-	-	1990	-	-	-	33	-	-	-	-	193	7285
CZ	6114	-	-	-	-	-	-	13022	-	-	-	-	-	-	-	-	-	63	-	-	-	5772	-	-	-	24971
DE	15371	-	-	-	18074	-	405	-	-	494	-	-	-	-	5033	-	19260	2266	-	-	-	-	339	-	680	61922
ES	-	-	-	-	-	-	-	-	-	749	-	-	-	-	-	-	-	-	9477	-	-	-	-	-	898	11124
FR	-	-	6755	-	9974	-	-	16233	7284	-	-	-	-	14493	-	-	-	-	-	-	-	-	-	-	11509	66248
GR	-	-	-	0	-	-	-	-	-	-	-	-	-	711	-	71	-	-	-	-	-	-	-	-	1056	1838
HR	-	1340	-	-	-	2	-	-	-	-	-	-	0	-	-	-	-	-	-	-	7944	-	-	-	-	9286
HU	857	-	-	-	-	1693	-	-	-	-	-	6689	-	-	-	-	-	-	-	146	-	0	-	26	-	9411
IT	2	-	-	-	131	-	-	-	-	702	268	-	-	-	-	-	-	-	-	-	0	-	-	-	-	1103
LU	-	-	2358	-	-	-	-	785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3143
MK	-	-	-	0	-	1	-	-	-	-	796	-	-	-	-	-	-	-	-	-	-	-	-	-	-	797
NL	-	-	5075	-	-	-	-	325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5400
PL	-	-	-	-	-	-	11165	1046	-	-	-	-	-	-	-	-	-	-	-	-	-	2792	-	-	1182	16185
PT	-	-	-	-	-	-	-	-	2806	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2806
RO	-	-	-	797	-	2503	-	-	-	-	-	-	1190	-	-	-	-	-	-	-	-	-	-	30	0	4520
SI	533	-	-	-	-	-	-	-	-	-	-	1076	-	7931	-	-	-	-	-	-	-	-	-	-	-	9540
SK	-	-	-	-	-	-	762	-	-	-	-	-	8806	-	-	-	-	0	-	-	-	-	-	1722	-	11290
DK_W	-	-	-	-	-	-	-	7083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	865	7948
UA_W	-	-	-	-	-	-	-	-	-	-	-	-	4814	-	-	-	-	-	-	683	-	4	-	-	-	5501
Other	-	-	-	0	-	711	-	6400	111	791	15	-	-	-	-	-	-	2676	-	14	-	-	7028	-	-	17746
Sum imp	23088	2251	14188	801	37298	8563	12344	53462	10201	7595	5632	14638	15635	50039	6400	2395	23693	5005	9477	1606	9285	8568	7367	1778	16383	347692

Sum of physical energy flows between UCTE countries = 298862 GWh Total physical energy flows = 347692 GWh

T5a Development of physical exchanges on tie lines





Year		Sum of electricity exchanges within the UCTE	Part of exchanges in the consumption of the UCTE	Sum of electricity exchanges with CENTREL	Part of exchanges with CENTREL in the consumption of the UCTE	Volume of exchanges with third countries[1]	Part of exchanges with third countries in the consumption of the UCTE	Total exchanges	Part of total exchanges in the consumption of the UCTE
		TWh	%	TWh	%	TWh	%	TWh	%
1975		48,4	5,7			3,2	0,4	51,6	6,0
1976		48,6	5,3			2,9	0,3	51,5	5,6
1977		56,4	5,9			2,6	0,3	59,0	6,1
1978		62,9	6,2			3,3	0,3	66,2	6,5
1979		66,4	6,2			4,3	0,4	70,8	6,6
1980		70,5	6,4			5,9	0,5	76,4	6,9
1981		72,2	6,5			6,0	0,5	78,3	7,0
1982		67,9	6,0			6,2	0,6	74,2	6,6
1983		77,5	6,7			8,3	0,7	85,7	7,4
1984		87,0	7,2			7,1	0,6	94,1	7,8
1985		90,5	7,2			7,4	0,6	97,9	7,8
1986		85,0	6,6			14,7	1,1	99,7	7,7
1987		90,7	6,8			18,9	1,4	109,5	8,2
1988		102,6	7,5			20,9	1,5	123,5	9,0
1989		103,8	7,5			21,9	1,4	125,7	8,9
1990		115,8	8,0			23,9	1,7	139,7	9,7
1991		117,7	7,8			26,9	1,9	144,6	9,7
1992		117,6	7,8			27,8	1,9	145,4	9,7
1993		124,4	8,3			26,2	1,7	150,6	10,0
1994		129,5	8,1			26,2	1,6	155,7	10,1
1995	[2]	137,4	8,4	11,9	0,7	23,1	1,5	172,3	10,8
1996		145,0	8,7	14,1	0,8	26,8	1,6	185,9	11,1
1997		144,7	8,5	13,9	0,8	27,1	1,7	185,7	11,0
1998		148,9	8,4	14,0	0,8	25,4	1,5	204,5	10,7
1999		161,6	8,0	16,5	0,8	29,7	1,7	225,4	11,5
2000		177,5	8,5	22,1	1,1	29,6	1,6	229,2	12,4
2001	[3]	235,5	10,5			33,7	1,8	269,2	12,4
2002		250,9	11,1			36,9	1,6	287,8	12,7
2003	[4]	263,8	10,8			35,5	1,5	299,3	12,3
2004		255,2	10,4			44,0	1,8	299,2	12,2
2005		298,9	12,0			48,8	2,0	347,7	13,9

[1] Import + export
[2] As of September 1995 total German values
[3] From year 2001 on sum of exchanges including CZ, HU, PL SK
[4] From year 2003 on sum of exchanges including RO and BG

Control area	Export Programs	Import Programs	Export Programs at 03:00	Import Programs at 03:00	Export Programs at 11:00	Import Programs at 11:00
AT	8354350	9527815	11914	10054	11190	16381
BA	2241230	750558	3222	2033	3781	1538
BE	6368482	11548820	9153	13381	10843	18150
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	26396887	56201507	25923	53883	44130	36991
CS	5417718	6759671	6761	7787	8168	10357
CZ	21936293	8664952	28897	11213	32002	13927
DE	46552492	30470933	60995	32106	53746	54585
ES	9449148	8087545	16121	10476	13529	12117
FR	90872607	32283526	119178	41955	116969	48717
GR	857948	4643945	1033	6397	1418	6764
HR	1808397	6995402	2389	9452	2099	8961
HU	5577087	11800596	9810	13360	6495	19876
IT	1605920	47727184	2384	53763	1524	73743
MK	175574	1785844	1331	2573	510	2942
NL	4876415	23497675	7773	27460	2811	35291
PL	13100029	2244366	16033	3292	21720	3161
PT	701300	7528397	5	13569	3383	11357
RO	5547512	2798638	5283	4246	9510	3652
SI	7418147	7238350	9607	9698	10340	9142
SK	7317503	4047484	9897	3764	10242	8129
DK_W	7155001	7265421	7829	8257	12452	12497
UA_W	3723826	240	4693	10	5812	10

- Control areas can differ from national borders (i.e. German block which includes parts of AT, LU and DK_W).

- Values are calculated on an hourly base (MWh).

- This values are not the provisional values entered in the VULCANUS system, but the definitive values after an eventual correction during the actual date.

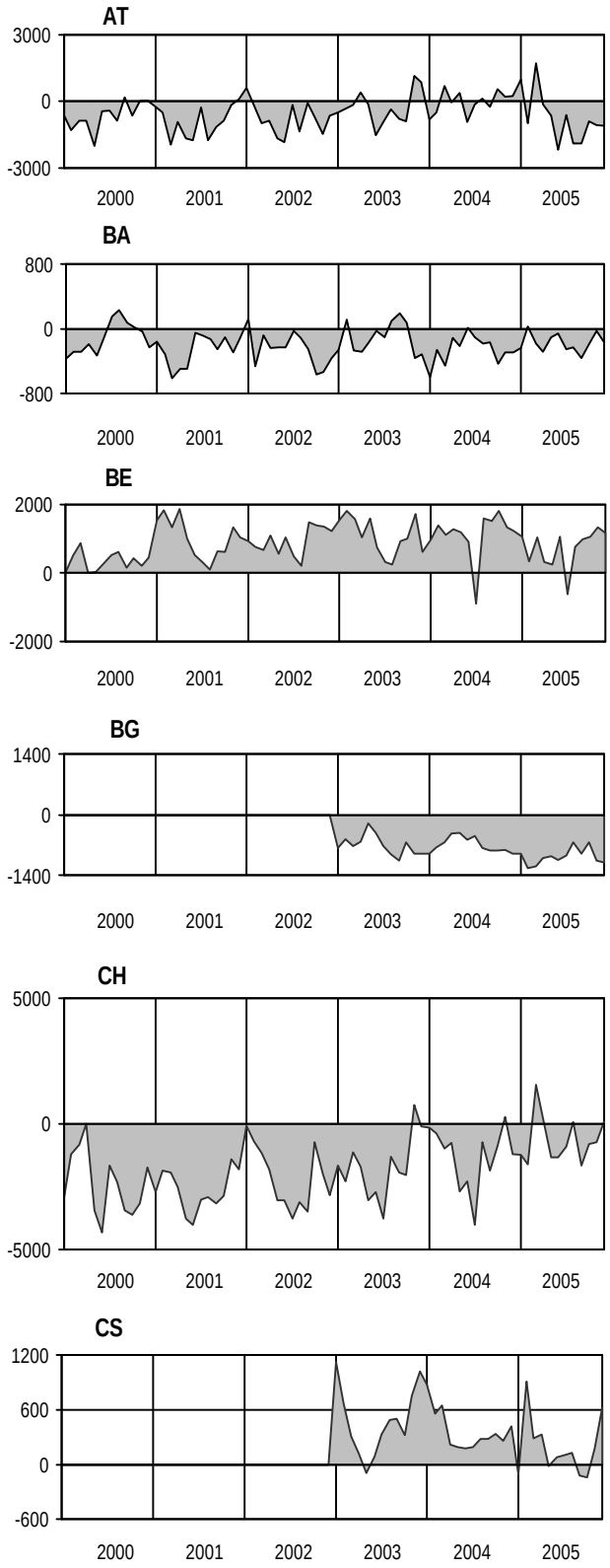
- Export Programs: Sum of all positive values of every hour of every border
- Import Programs: Sum of all negative values of every hour of every border

- Export Programs at 03:00: Sum of all positive values the third Wednesday from 02:00 to 03:00 a.m.
- Import Programs at 03:00: Sum of all negative values the third Wednesday from 02:00 to 03:00 a.m.

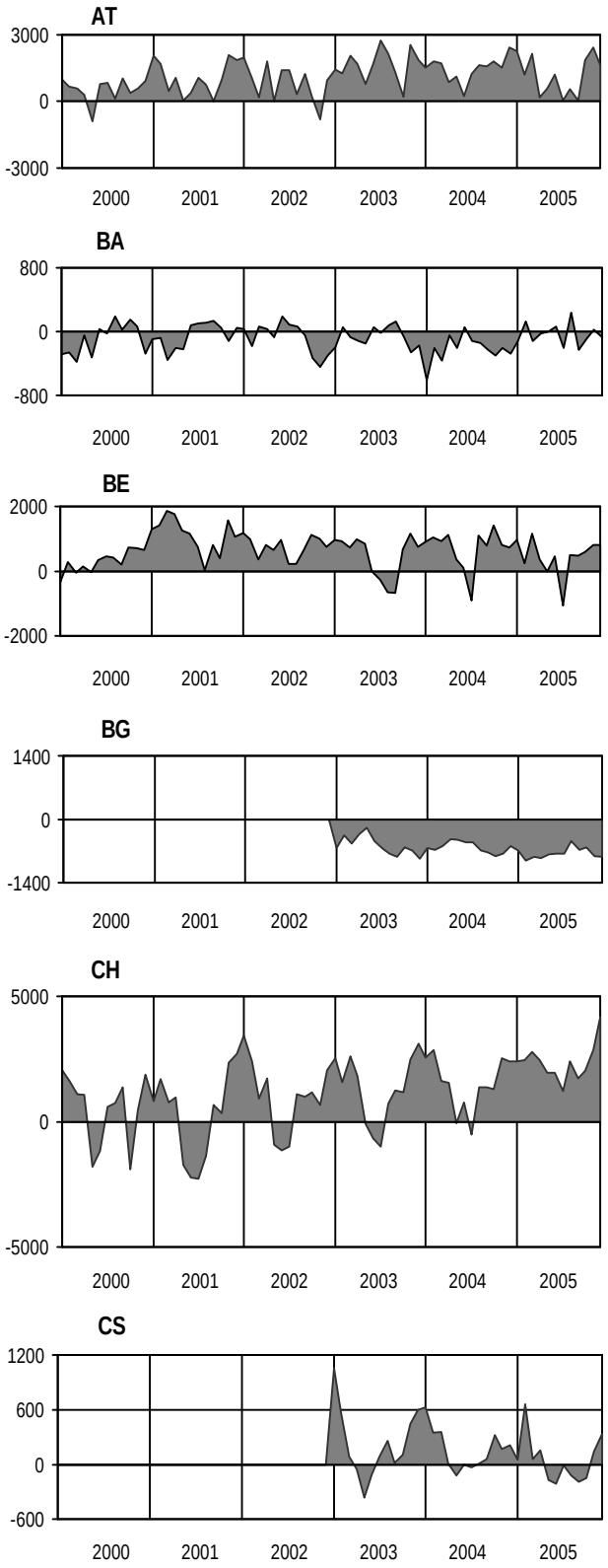
- Export Programs at 11:00: Sum of all positive values the third Wednesday from 10:00 to 11:00 a.m.
- Import Programs at 11:00: Sum of all negative values the third Wednesday from 10:00 to 11:00 a.m

G3 Balance of the simultaneous power flows across the frontiers of the UCTE countries

11:00 Day load in MW [1]



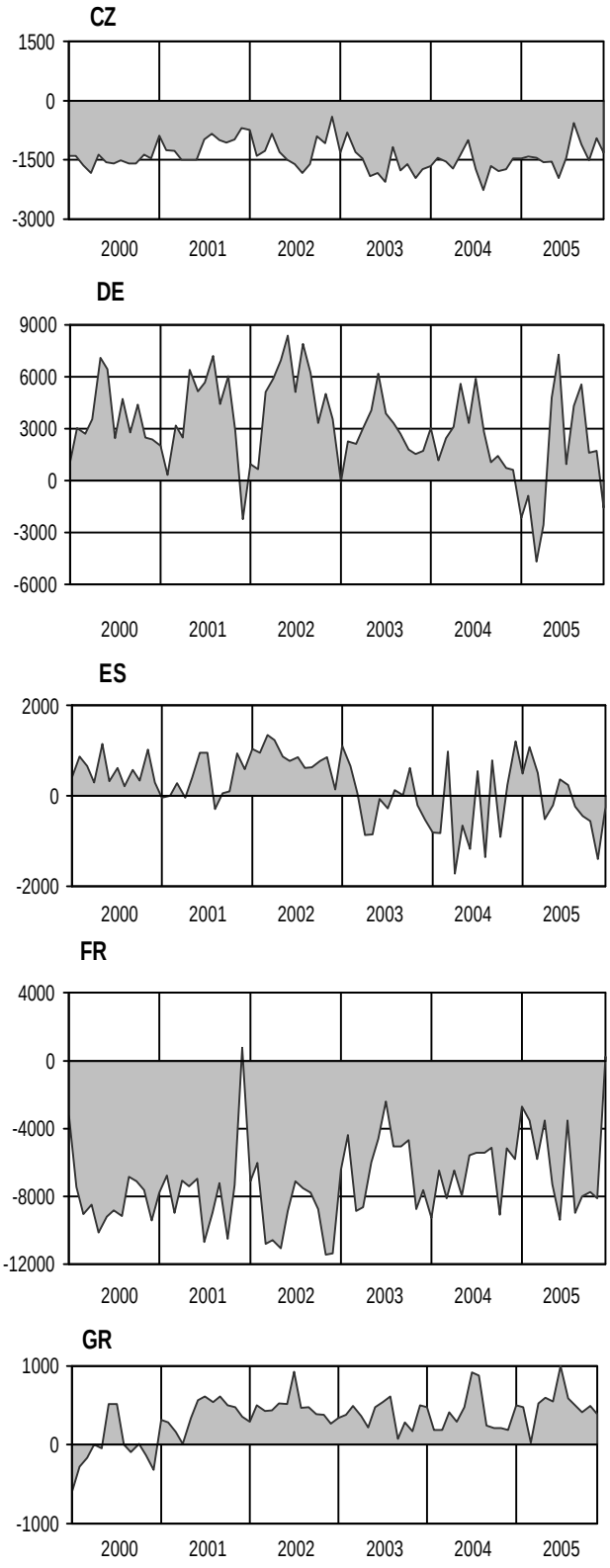
03:00 Night load in MW [1]



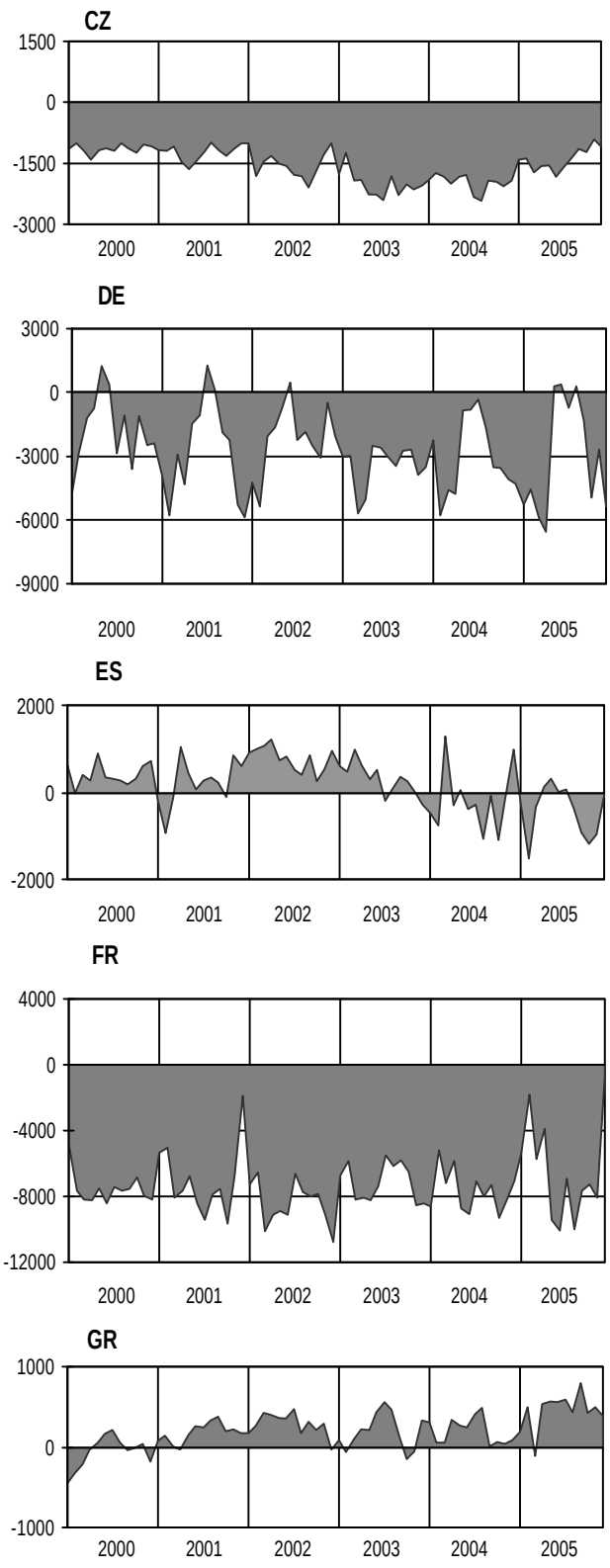
[1] On the 3rd Wednesday of each month

G3 Balance of the simultaneous power flows across the frontiers of the UCTE countries

11:00 Day load in MW [1]



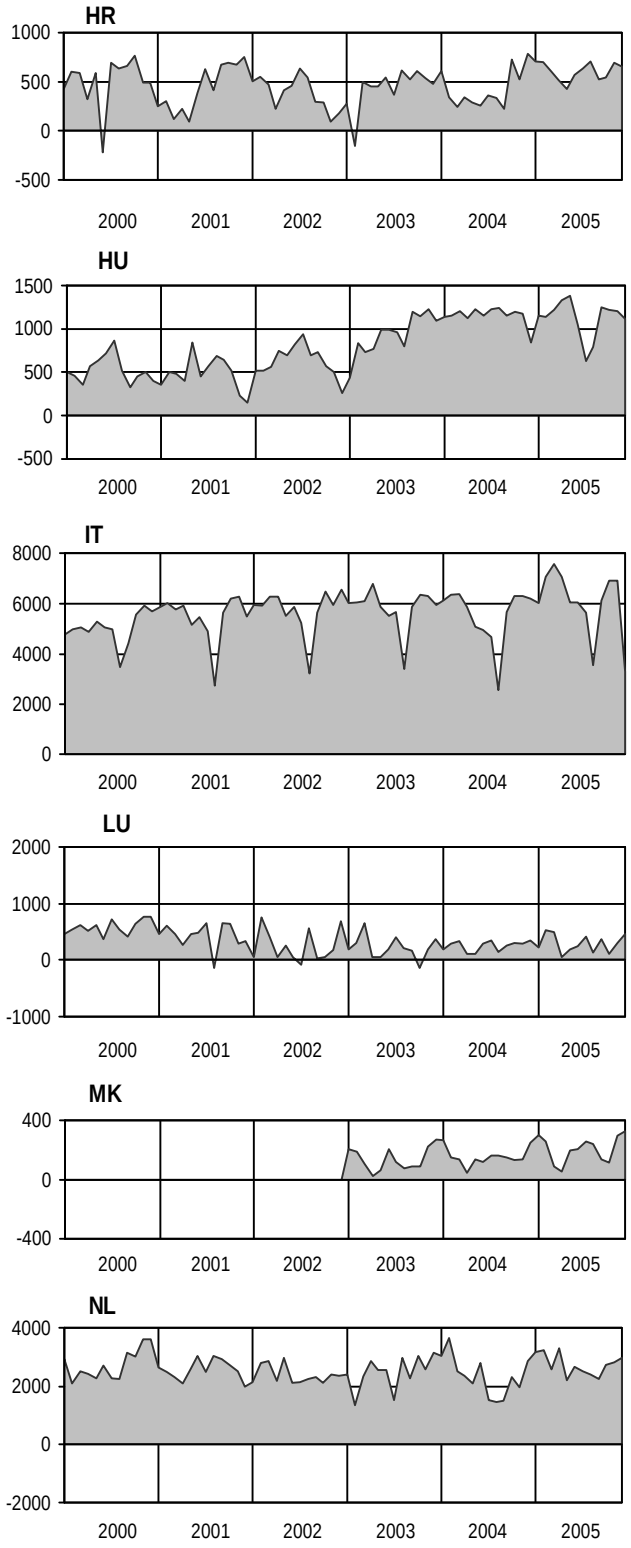
03:00 Night load in MW [1]



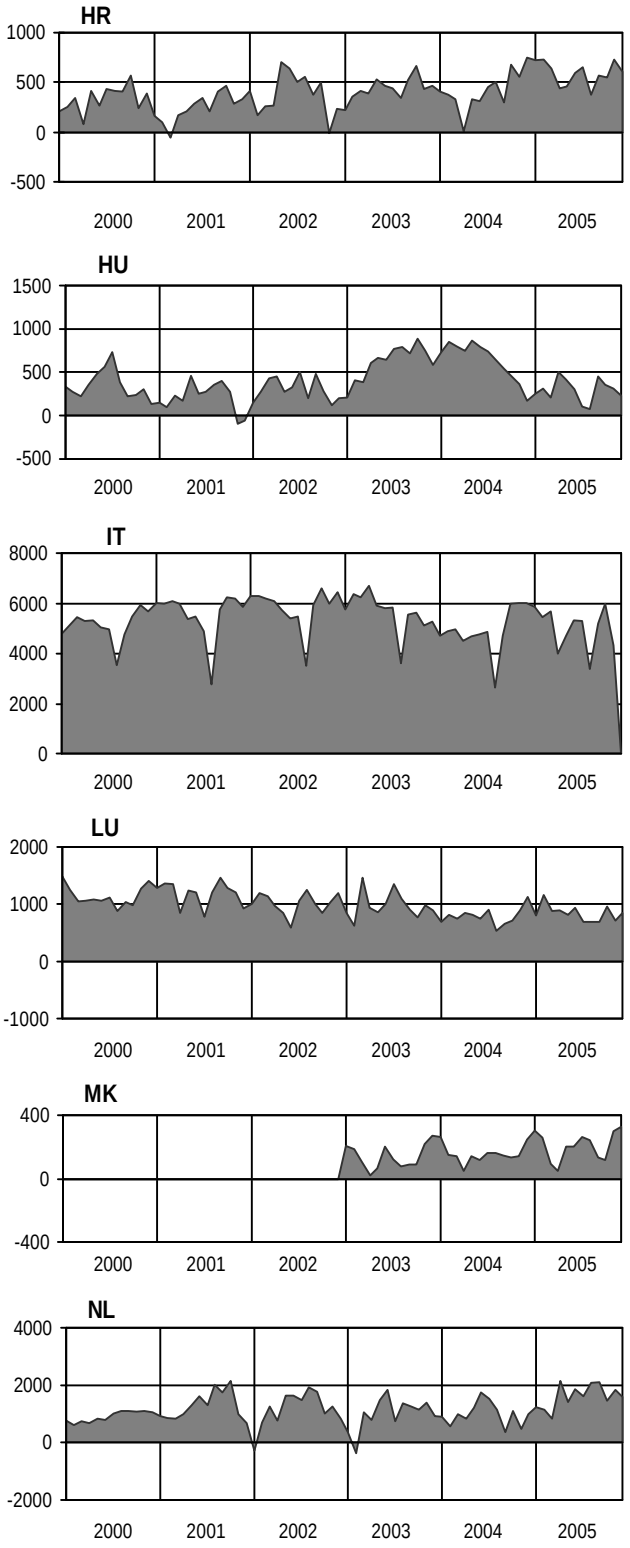
[1] On the 3rd Wednesday of each month

G3 Balance of the simultaneous power flows across the frontiers of the UCTE countries

11:00 Day load in MW [1]



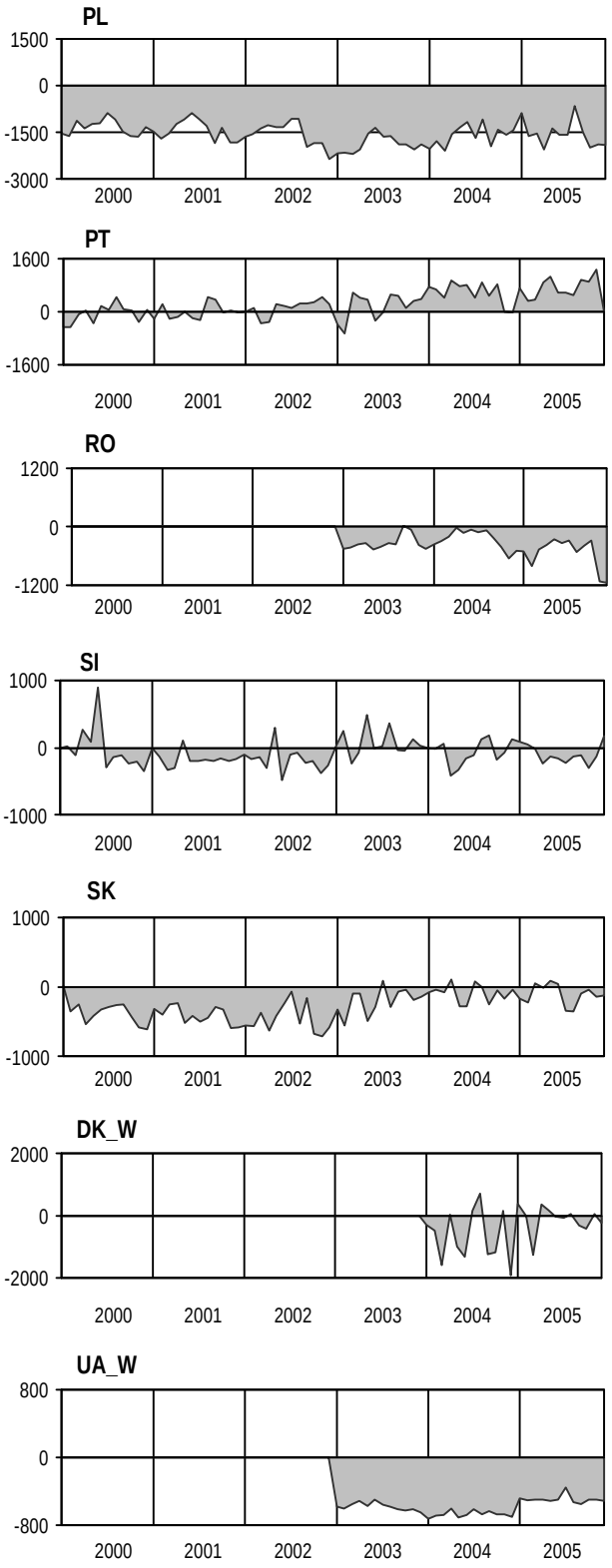
03:00 Night load in MW [1]



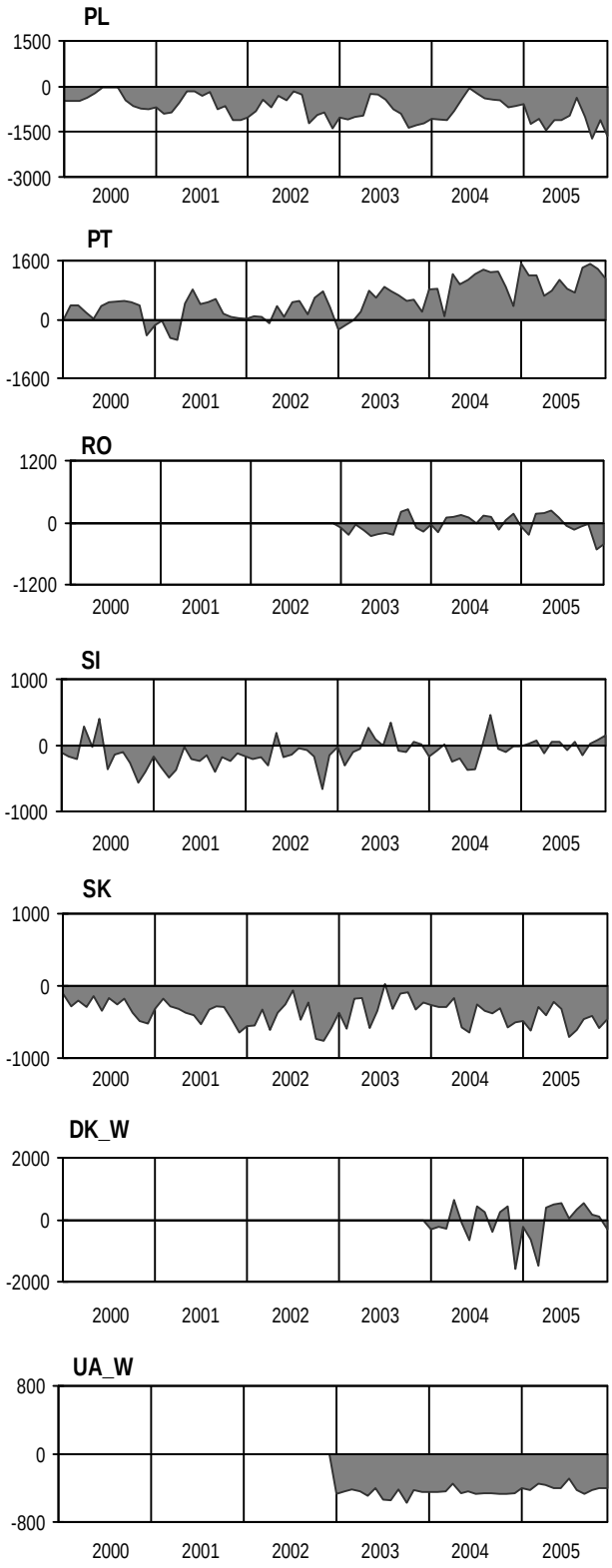
[1] On the 3rd Wednesday of each month

G3 Balance of the simultaneous power flows across the frontiers of the UCTE countries

11:00 Day load in MW [1]



03:00 Night load in MW [1]



[1] On the 3rd Wednesday of each month

T6 Development of the balance of the simultaneous power flows across the frontiers of the UCTE countries [1]

MW

Date	Night	Day	Date	Night	Day
I.2000	17024	11724	I.2003[3]	28921	24641
II.2000	17664	14630	II.2003	24316	22212
III.2000	17267	15400	III.2003	29221	26150
IV.2000	16786	15903	IV.2003	28527	26909
V.2000	12996	18659	V.2003	25320	24900
VI.2000	14341	18620	VI.2003	25915	25054
VII.2000	16139	15145	VII.2003	24493	20980
VIII.2000	13993	16018	VIII.2003	24256	22918
IX.2000	15786	14995	IX.2003	26076	24320
X.2000	13951	16251	X.2003	23730	23139
XI.2000	17709	16831	XI.2003	29334	29503
XII.2000	18891	17040	XII.2003	28642	28666
I.2001	19241	15530	I.2004	26336	26954
II.2001	20576	16165	II.2004	27452	27601
III.2001	19726	17651	III.2004	24520	25689
IV.2001	19632	15559	IV.2004	23264	23332
V.2001	15655	17735	V.2004	21353	24641
VI.2001[2]	21017	24715	VI.2004	21719	21271
VII.2001	19222	25324	VII.2004	21893	23480
VIII.2001	17476	22151	VIII.2004	18957	18405
IX.2001	24340	23573	IX.2004	26624	24670
X.2001	24983	25279	X.2004	28075	28255
XI.2001	28571	24405	XI.2004	29424	26969
XII.2001	27423	21122	XII.2004	34232	27561
I.2002	28647	23600	I.2005	30606	27403
II.2002	28364	24882	II.2005	31334	30189
III.2002	23176	25924	III.2005	31233	33611
IV.2002	25500	24720	IV.2005	28305	31143
V.2002	22660	26484	V.2005	25721	24831
VI.2002	21746	24905	VI.2005	29741	28372
VII.2002	23635	24549	VII.2005	25259	24783
VIII.2002	21967	23121	VIII.2005	24871	23367
IX.2002	26098	22894	IX.2005	26750	24784
X.2002	24076	24634	X.2005	29481	26373
XI.2002	22212	25754	XI.2005	28963	28871
XII.2002	27435	25747	XII.2005	24896	22593

[1] Day load at 11.00 a.m. and night load at 3.00 a.m. on the 3rd Wednesday of each month. The power flows crossing common borders with neighbouring third countries are excluded.
[2] As of June 2001 on the power flows include CENTREL countries CZ, HU, PL and SK.
[3] From year 2003 on the power flows include RO and BG.

T7 Maximum output capacity on 31 December 2005, 2004 and 2000 in MW

	Thermal nuclear			Thermal conventional			Hydropower			Other sources			Total			Representativity [1]		
Country	2005	2004	2000	2005	2004	2000	2005	2004	2000	2005	2004	2000	2005	2004	2000	2005	2004	2000
AT	-	-	-	5900	5900	5200	11700	11700	10985	670	670	35	18270	18270	16220	100	100	90
BA	-	-	-	1957	1957	n.a.	2064	2064	n.a.	-	-	n.a.	4021	4021	n.a.	99	99	n.a.
BE	5802	5802	5738	8099	7996	8322	1417	1416	1406	750	395	183	16068	15609	15649	100	99	99
BG	2880	2880	n.a.	5410	6420	n.a.	2700	2930	n.a.	1	-	n.a.	10991	1223	n.a.	100	100	n.a.
CH	3220	3220	3200	335	320	290	13355	13315	13240	520	540	500	17430	17395	17230	100	100	100
CS	-	-	n.a.	6400	6400	n.a.	3497	3497	n.a.	-	-	n.a.	9897	9897	n.a.	100	96	n.a.
CZ	3537	3537	1637	10558	10591	10562	2165	2138	2076	43	20	1	16303	16286	14276	100	100	100
DE	20200	20500	20984	70400	68100	71722	9100	9000	8417	19600	17300	2582	119300	114900	103705	90	90	91
ES	7600	7600	7478	36673	33051	21660	18675	18523	17656	10673	9393	2229	73621	68667	49023	100	100	94
FR	63260	63363	63183	25331	26908	23085	25398	25394	24278	1554	1056	222	115543	116721	110768	100	100	97
GR [2]	-	-	-	7601	7212	6301	3108	3103	3092	595	380	-	11304	10695	9393	100	100	95
HR	-	-	-	1691	1662	1428	2079	2079	2076	5	5	-	3775	3746	3504	100	100	100
HU	1755	1755	1758	5202	5685	5608	46	46	46	1077	790	311	8080	8276	7723	100	100	100
IT	-	-	-	62164	58990	54187	20993	20744	20480	2313	1777	1208	85470	81511	75875	100	100	100
LU	-	-	-	481	477	75	1128	1128	1128	67	60	15	1676	1665	1218	100	96	99
MK	-	-	n.a.	1010	907	n.a.	517	503	n.a.	-	-	n.a.	1527	1410	n.a.	100	100	n.a.
NL	449	449	449	19457	18770	17107	37	37	35	2034	18961	1053	21977	21152	18644	100	100	90
PL	-	-	-	29724	29350	31222	2245	2193	2140	108	145	-	32077	31688	33362	100	100	100
PT	-	-	-	6561	6194	4855	4915	4717	4386	1353	835	372	12829	11746	9613	96	94	91
RO	655	655	n.a.	9173	10081	n.a.	5819	6007	n.a.	-	-	n.a.	15647	16743	n.a.	100	100	n.a.
SI	670	670	670	1262	1262	1241	872	862	778	-	-	-	2804	2794	2689	100	100	100
SK	2640	2640	2200	2270	2290	2291	2429	2429	2425	699	699	660	8038	8058	7576	100	100	100
UCTE	**112668**	**113071**	**107297**	**317659**	**310523**	**271909**	**134259**	**133825**	**118537**	**42062**	**35993**	**9371**	**606648**	**593412**	**507114**			
DK_W	-	-	n.a.	5154	5098	n.a.	10	11	n.a.	2392	2379	n.a.	7556	7488	n.a.	100	100	n.a.
UA_W	-	-	n.a.	2347	2347	n.a.	27	27	n.a.	-	-	n.a.	2374	2374	n.a.	100	100	n.a.

[1] Percentage as referred to the total values of a country
(The total values of a country are defined as the synchronously interconnected system plus the areas directly connected via AC or DC to the mainland system.)
[2] The values for Greece refer to the interconnected system and not to the whole country.

T8a

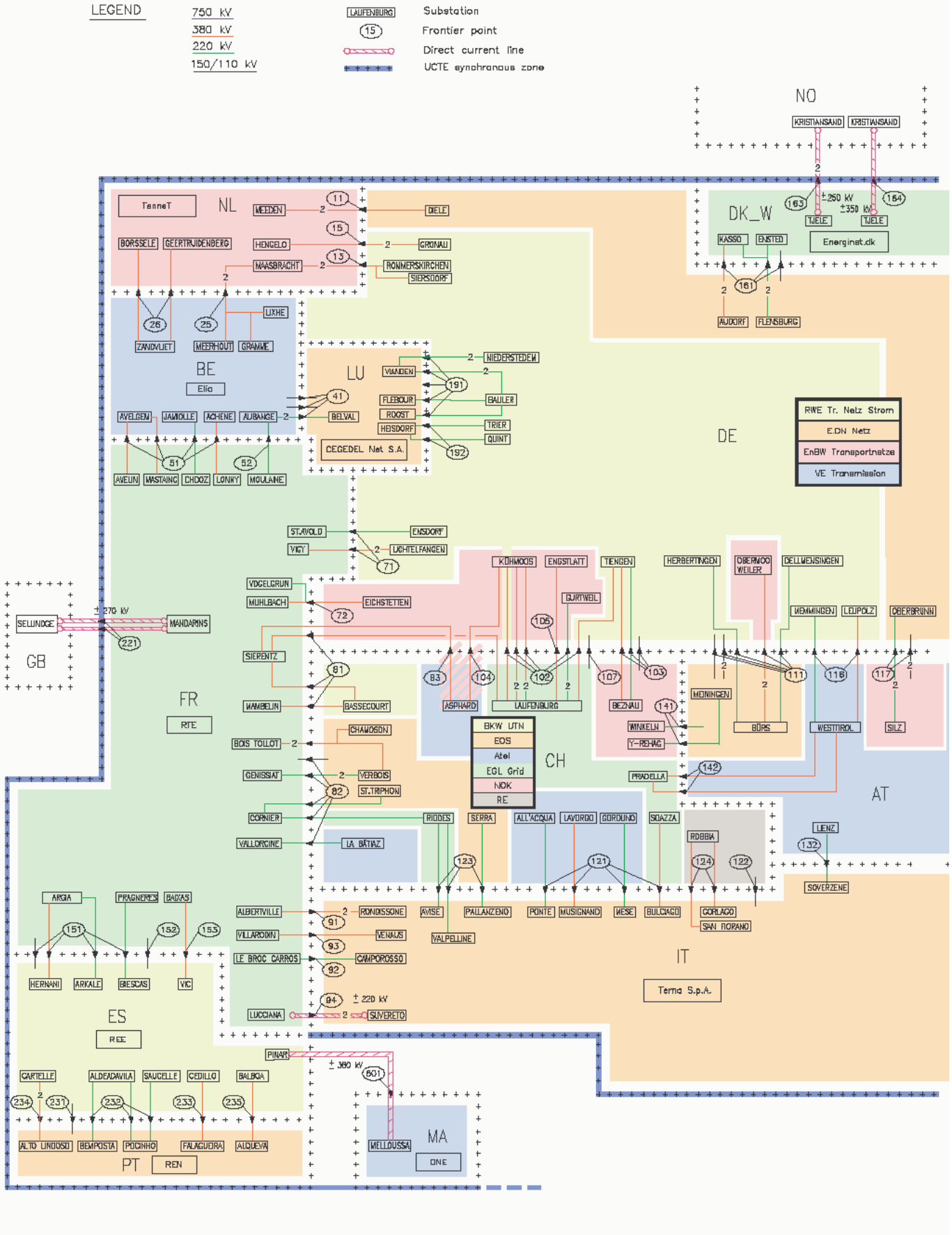
UCTE System Adequacy Retrospect 2005, Power Data

Net values at the refence time 11:00 a.m. on the 3rd Wednesday of each month (Data published on 1 August 2006) Values in GW

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
National generating capacity												
1. Hydro power stations	133.7	134.0	134.3	134.4	134.5	134.6	134.4	134.3	134.6	134.7	134.7	134.7
2. Nuclear power stations	113.1	113.1	113.1	113.1	112.7	112.7	112.7	112.7	112.7	112.8	112.8	112.7
3. Conventional thermal power stations	314.7	315.6	315.4	315.9	316.2	316.8	316.8	318.3	319.7	320.6	321.5	322.6
4. Renewable energy sources	34.6	35.1	35.5	36.1	36.6	36.8	37.4	38.1	38.5	39.1	39.4	39.9
5. Not clearly identifable energy sources	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.4
6. National generating capacity (6 = 1+2+3+4+5)	**597.5**	**599.3**	**599.8**	**601.0**	**601.4**	**602.4**	**602.7**	**604.6**	**606.8**	**608.5**	**609.7**	**611.3**
7. Non-usable capacity	106.7	100.7	114.3	113.6	112.4	120.8	120.9	126.0	119.1	118.9	112.3	110.0
8. Overhauls (thermal power stations)	12.2	17.2	29.8	48.3	56.2	51.7	42.9	44.6	47.0	33.7	25.8	11.8
9. Outages (thermal power stations)	11.9	16.9	15.1	14.3	19.3	18.6	24.5	23.4	19.3	18.7	18.0	22.3
10.System services reserve	32.0	29.9	32.6	30.0	28.8	25.7	29.5	29.4	27.7	28.3	27.6	27.0
11.Reliably available capacity (11 = 6-(7+8+9+10))	**434.7**	**434.7**	**408.1**	**394.7**	**384.8**	**385.7**	**384.8**	**381.1**	**393.7**	**408.9**	**426.0**	**440.3**
12.Load	**361.1**	**359.9**	**328.8**	**322.6**	**310.1**	**313.8**	**315.5**	**276.6**	**309.4**	**324.1**	**342.6**	**369.5**
13.Margin against monthly peak load	33.9	34.5	51.7	22.1	24.0	26.7	20.0	47.0	23.2	24.7	47.8	28.9
14.Remaining capacity without exchanges (14 = 11-12)	**73.1**	**74.7**	**79.2**	**72.1**	**74.7**	**71.9**	**69.3**	**104.5**	**84.3**	**84.8**	**83.4**	**70.8**
Physical exchanges												
15.Import	39.9	44.7	43.9	41.2	34.8	41.0	40.2	34.3	37.9	39.9	42.1	39.5
16.Export	33.5	34.4	38.8	35.5	28.9	32.5	32.4	31.1	30.5	34.8	35.6	31.3
17.**Physical exchange balance (17=15-16)**	**6.4**	**10.3**	**5.2**	**5.8**	**5.9**	**8.5**	**7.8**	**3.1**	**7.3**	**5.1**	**6.5**	**8.2**
18.Remaining capacity with exchange (18=14+17)	**79.5**	**85.0**	**84.4**	**77.9**	**80.6**	**80.4**	**77.1**	**107.6**	**91.6**	**89.9**	**90.0**	**78.9**

T8b | **UCTE System Adequacy Retrospect 2005, Energy Data (Data published on 1 August 2006)** | **Values in TWh**

	AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR	HR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	UCTE	UA_W
Generation																								
1. Hydro power stations	34.2	6.0	1.6	4.7	32.7	13.9	3.0	27.7	19.4	56.0	5.6	6.4	0.2	47.9	0.8	1.5	0.1	3.6	4.9	19.9	3.0	4.6	**291.9**	0.1
2. Nuclear power stations	0.0	0.0	45.3	18.7	22.0	0.0	23.3	154.6	57.5	430.0	0.0	0.0	13.0	0.0	0.0	0.0	3.8	0.0	0.0	5.1	5.6	16.3	**795.2**	0.0
3. Conventional thermal power stations	18.4	6.6	33.6	20.9	2.2	27.5	49.9	358.9	158.1	58.9	43.3	4.6	17.4	240.8	3.1	5.0	88.4	140.2	32.9	29.8	4.6	5.5	**1358.5**	8.0
4. Renewable energy sources	0.0	0.0	2.0	0.0	0.9	0.0	0.1	40.1	28.0	4.3	1.1	0.0	1.4	6.9	0.1	0.0	3.9	0.2	3.9	0.0	0.0	0.0	**92.9**	0.0
5. Not clearly identified energy sources	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	**8.5**	0.0
6.Total (6 = 1+2+3+4+5)	**57.8**	**12.6**	**82.5**	**44.3**	**57.9**	**41.4**	**76.2**	**581.3**	**263.1**	**549.2**	**49.9**	**11.0**	**32.6**	**289.6**	**4.1**	**6.5**	**96.2**	**144.0**	**41.7**	**54.8**	**13.3**	**29.1**	**2547.0**	**8.1**
7. Exchanges (7 = 7a - 7b)	**2.7**	**-1.4**	**6.2**	**-7.6**	**7.8**	**7.2**	**-12.6**	**-8.5**	**-1.4**	**-60.2**	**3.8**	**5.2**	**6.2**	**49.0**	**3.3**	**1.7**	**18.3**	**-11.2**	**6.8**	**-2.9**	**-0.2**	**-2.7**	**-3.7**	**5.5**
7a.Import	20.3	1.1	14.2	0.0	37.6	8.5	12.4	53.4	6.5	8.1	5.6	8.8	15.6	50.1	6.4	1.7	23.7	5.0	9.6	1.6	9.3	8.6	**309.8**	1.8
7b.Export	17.6	2.5	8.0	7.6	29.8	1.3	25.0	61.9	7.9	68.3	1.8	3.6	9.4	1.1	3.2	0.0	5.4	16.2	2.8	4.5	9.5	11.3	**304.3**	5.5
8. Pumped storage	3.3	0.0	1.8	0.5	2.6	1.0	0.9	9.2	15.8	6.6	0.8	0.1	0.0	9.3	1.1	0.0	0.0	2.2	0.6	0.0	0.0	0.1	**56.0**	0.0
9. Consumption (9 = 6+7-8))	**57.1**	**11.1**	**86.8**	**36.6**	**61.2**	**43.6**	**62.7**	**563.5**	**245.7**	**482.4**	**52.9**	**16.7**	**38.8**	**329.4**	**6.2**	**8.1**	**114.6**	**130.6**	**48.0**	**51.9**	**12.8**	**26.3**	**2491.5**	**4.4**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LAUFENBURG
Substation
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Direct current line
UCTE synchronous zone
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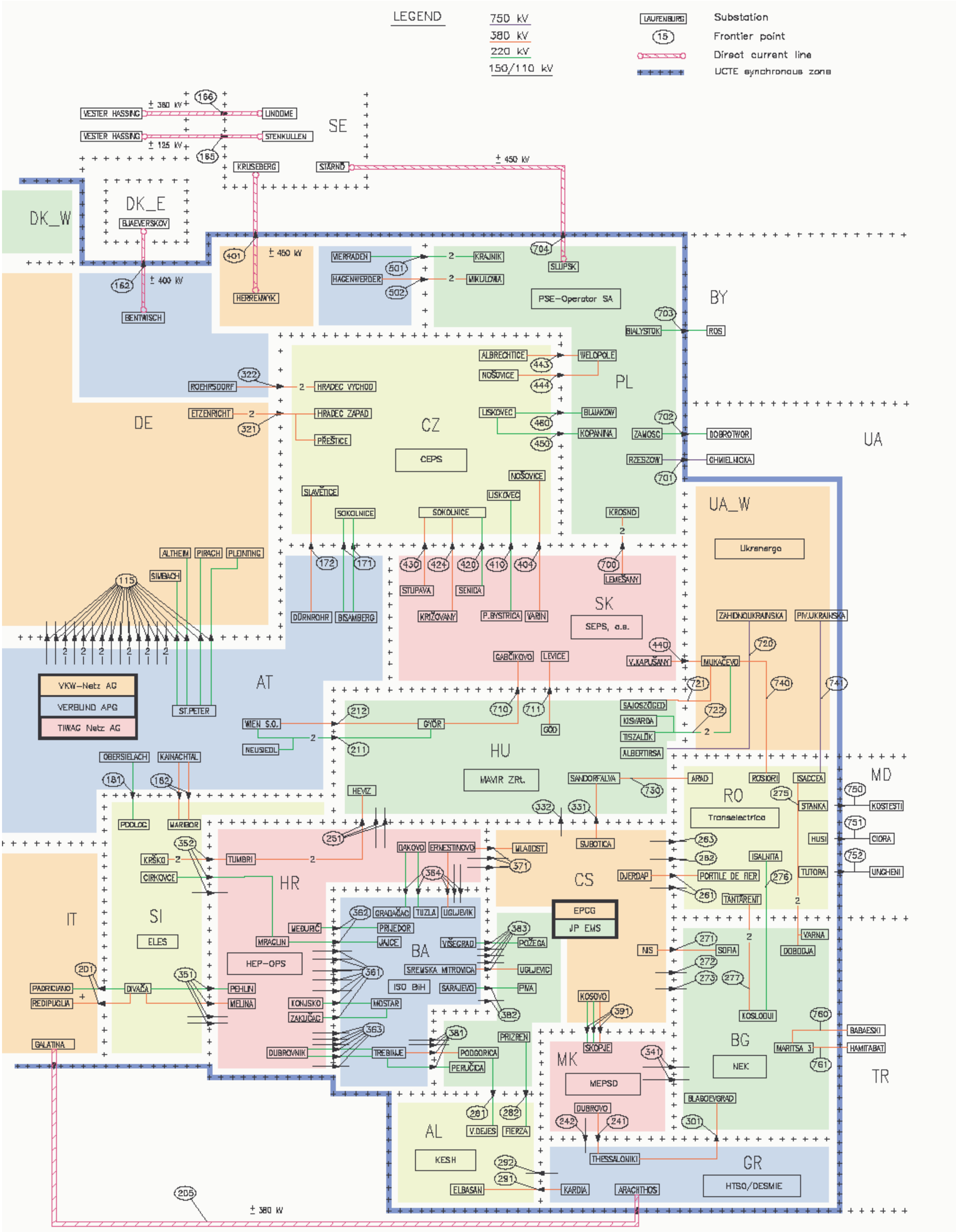
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Direct current line
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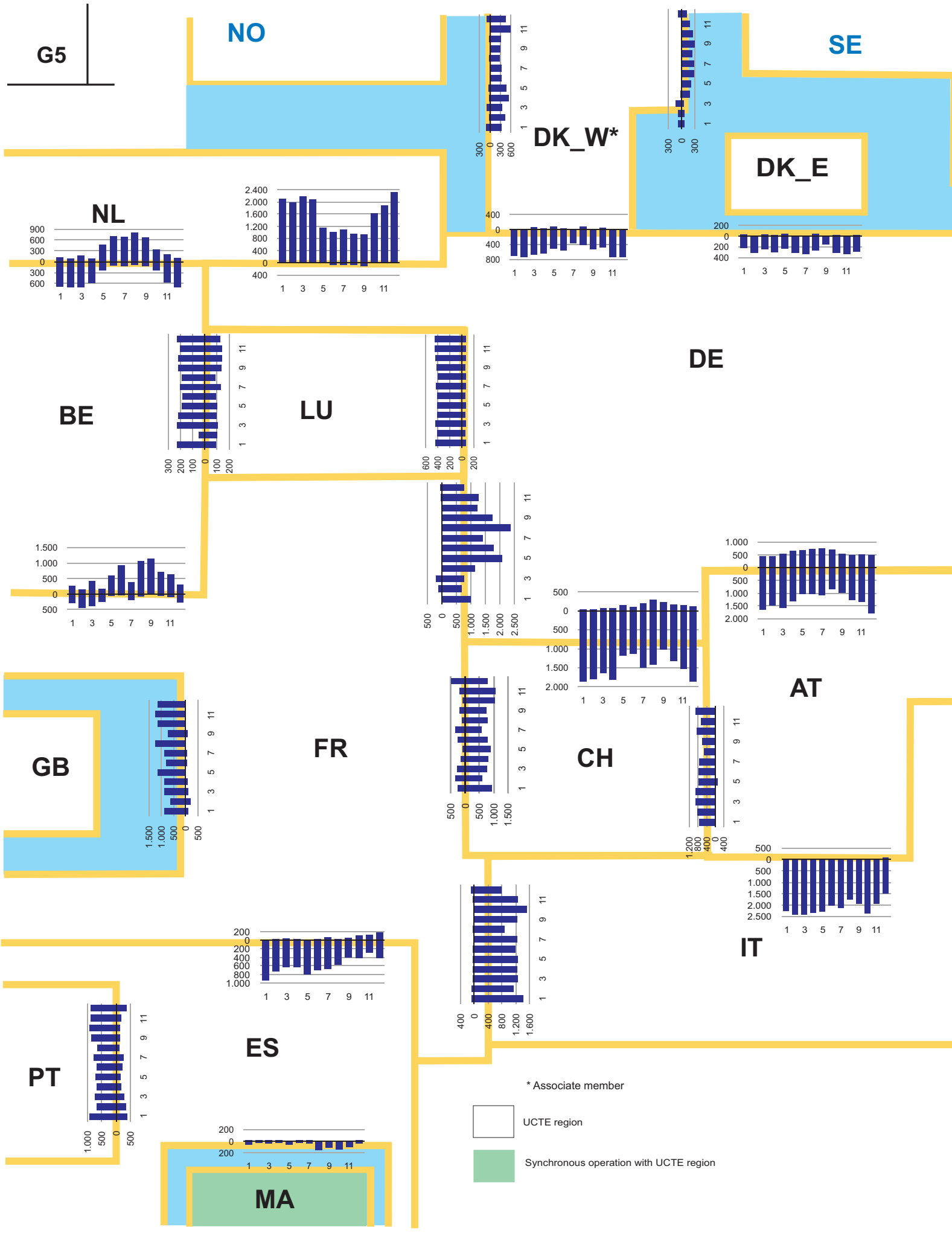
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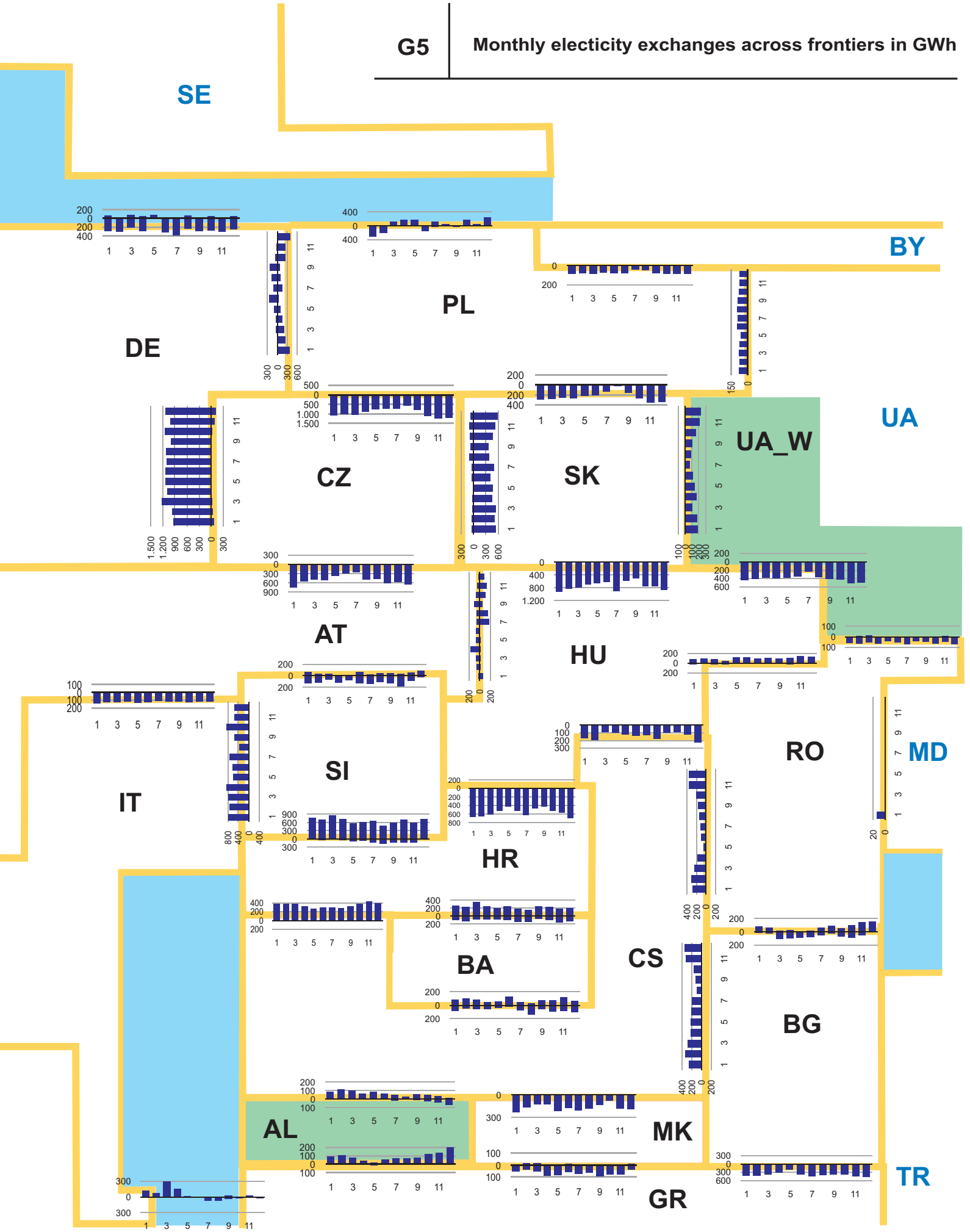
Synchronous operation with UCTE region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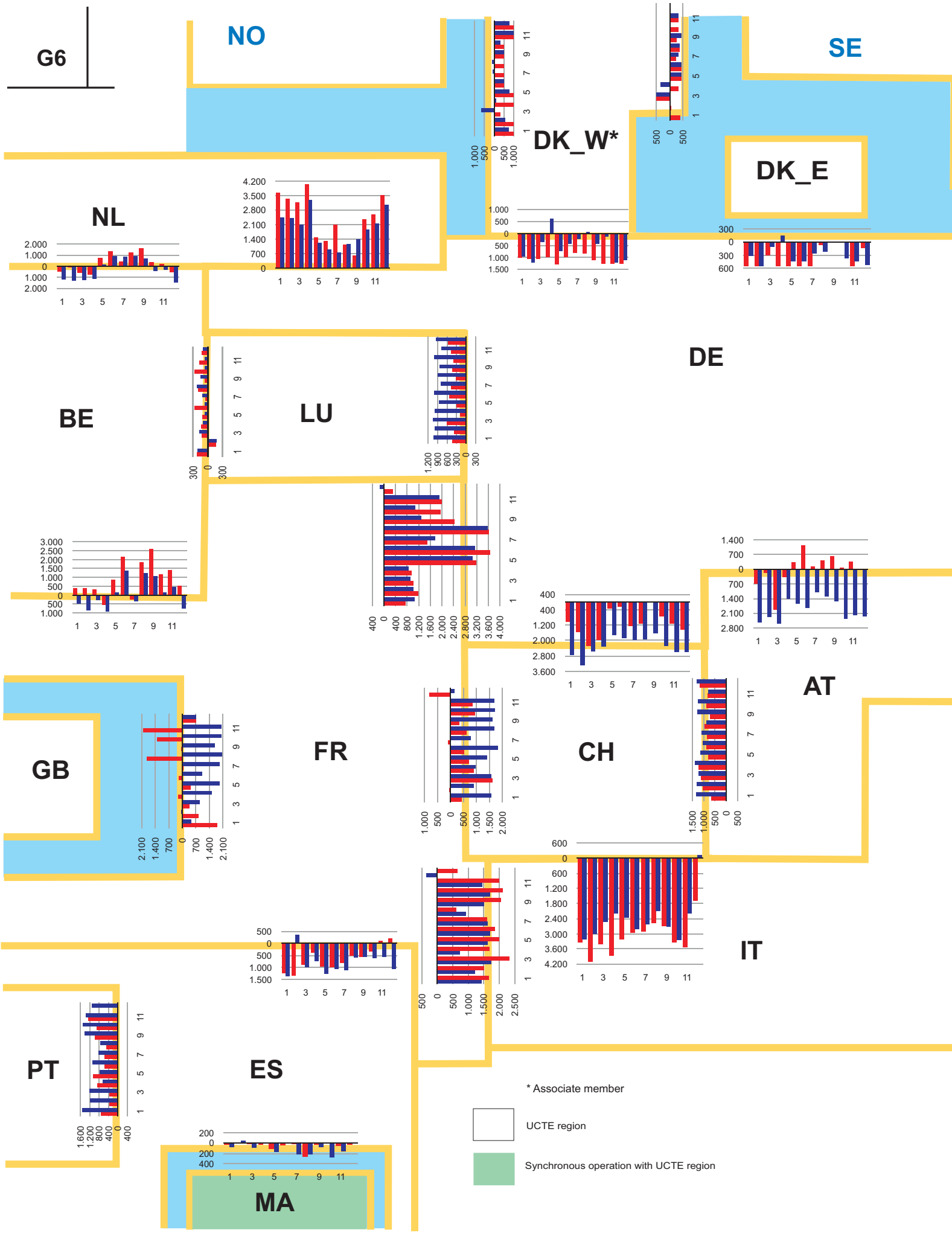
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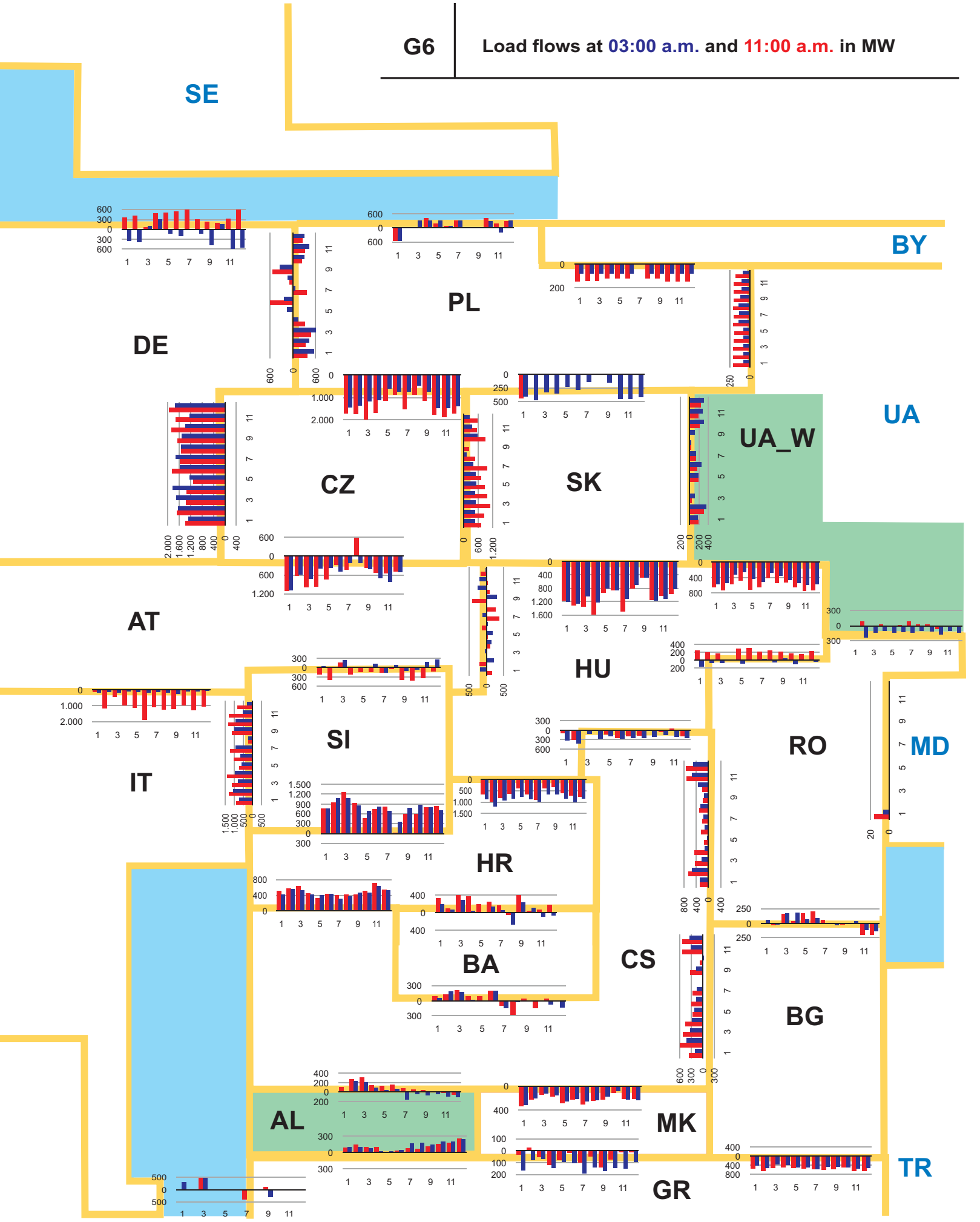
Synchronous operation with UCTE region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TR

Observations	
[1]	Limited by phase shifting transformer in Meeden
[2]	Limited by phase shifting transformer in Meeden
[3]	Transformer in Borssele
[4]	Former October 2005 in FR Avelin
[5]	Transducer
[6]	Installed in Verbois
[7]	Cross-border power station (220/130)
[8]	Cross-border power station (220/130)
[9]	Cross-border power station (220/130)
[10]	Line property EnBW Netz in Germany partielly on the same tower as line Asphard-Kühmoos or Sierentz-Laufenburg
[11]	DC link with three connections
[12]	Transforming station of Lucciana in Corsica
[13]	DC link with three connections
[14]	Transforming station of Lucciana in Corsica
[15]	Partially on the same tower as the Laufenbourg-Engstlatt line (No. 105.1)
[16]	Transducer
[17]	Transducer
[18]	On the same tower as line No. 81 Laufenburg-Sierentz 380 kV
[19]	Transducer
[20]	From Kühmoos to Laufenbourg on the same tower
[21]	Disconnector
[22]	Limited by measuring transducer at Laufenbourg
[23]	From Kühmoos to Laufenbourg on the same tower
[24]	On the same tower as line Sierentz-Laufenburg
[25]	Limited by switching devices in Austria
[26]	Cable at Braunau
[27]	Cable at Braunau

T 9 **T 9**

Circuit ID	Connection between:						Voltage of the circuit		Conventional trans-mission capacity of the connection (thermal)*		Limited by the transformers or by the substations			
	From substation			to substation							of circuits		of lines	
[Frontier point.Line.Circuit]	Country	Name	Operated by	Country	Name	Operated by	Forecast	Present	Forecast	Present	at	Voltage	Transmission capacity	Voltage
							kV	kV	MVA	MVA	MVA	kV	MVA	kV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11.1.1	DE	Diele	E.ON Netz	NL	Meeden	TenneT		380		1382	1000 [1]			
11.1.2	DE	Diele	E.ON Netz	NL	Meeden	TenneT		380		1382	1000 [2]			
13.1.1	DE	Siersdorf	RWE Transportnetz Strom	NL	Maasbracht	TenneT		380		1645				
13.1.2	DE	Rommerskirchen	RWE Transportnetz Strom	NL	Maasbracht	TenneT		380		1698				
15.1.1	DE	Gronau	RWE Transportnetz Strom	NL	Hengelo	TenneT		380		1790				
15.1.2	DE	Gronau	RWE Transportnetz Strom	NL	Hengelo	TenneT		380		1790				
25.1.1	BE	Gramme	Elia	NL	Maasbracht	TenneT		380		1207				
25.1.2	BE	Meerhout	Elia	NL	Maasbracht	TenneT		380		1270				
26.1.1	BE	Zandvliet	Elia	NL	Geertruidenberg	TenneT		380		1476				
26.2.1	BE	Zandvliet	Elia	NL	Borssele	TenneT		380		1476	450 [3]			
41.1.1	BE	Aubange	Elia	LU	Belval	SOTEL		220		358				
41.1.2	BE	Aubange	Elia	LU	Belval	SOTEL		220		358				
41.2.1	BE	Aubange	Elia	LU	Belval	SOTEL		150		157	100			
41.3.1	BE	Aubange	Elia	LU	Belval	SOTEL		150		157	100			
51.1.1	BE	Jamiolle	Elia	FR	Chooz	RTE		220		356	290	150		
51.2.1	BE	Avelgem	Elia	FR	Mastaing [4]	RTE		380		1207				
51.2.2	BE	Avelgem	Elia	FR	Avelin	RTE		380		1367				
51.3.1	BE	Achène	Elia	FR	Lonny	RTE		380		1207				
52.1.1	BE	Aubange	Elia	FR	Moulaine	RTE		220		286				
71.1.1	DE	Uchtelfangen	RWE Transportnetz Strom	FR	Vigy	RTE		380		1790				
71.1.2	DE	Uchtelfangen	RWE Transportnetz Strom	FR	Vigy	RTE		380		1790				
71.2.1	DE	Ensdorf	RWE Transportnetz Strom	FR	St-Avold	RTE		220		261				
72.1.1	DE	Eichstetten	EnBW Transportnetze	FR	Vogelgrün	RTE	380	220		338 [5]		220		
72.1.2	DE	Eichstetten	EnBW Transportnetze	FR	Muhlbach	RTE		380		1751				
81.1.1	CH	Bassecourt	BKW	FR	Sierentz	RTE		380		1186				
81.2.1	CH	Laufenburg	EGL Grid	FR	Sierentz	RTE		380		1167				
81.3.1	CH	Bassecourt	BKW	FR	Mambelin	RTE		380		1046				
82.1.1	CH	Verbois	EOS	FR	Bois-Tollot	RTE		380		1211	800	220 [6]		
82.1.2	CH	Chamoson	EOS	FR	Bois-Tollot	RTE		380		1409	600			
82.2.1	CH	Verbois	EOS	FR	Génissiat	RTE		220		315				11 [7]
82.2.2	CH	Verbois	EOS	FR	Génissiat	RTE		220		315				11 [8]
82.3.1	CH	Verbois	EOS	FR	Chancy-Pougny	SFRM C-P		130		52	42			11 [9]
82.4.1	CH	La Bâtiaz	Atel	FR	Vallorcine	RTE		220		266				
82.5.1	CH	Riddes	EGL Grid	FR	Cornier	RTE		220		275				
82.6.1	CH	St.-Triphon	EOS	FR	Cornier	RTE		220		275				
83.1.1 [10]	CH/DE	Asphard	Atel/NOK /EnBW Transp.netze	FR	Sierentz	RTE		380		1167				
91.1.1	FR	Albertville	RTE	IT	Rondissone	Terna		380		1244				
91.1.2	FR	Albertville	RTE	IT	Rondissone	Terna		380		1244				
92.1.1	FR	Le Broc Carros	RTE	IT	Camporosso	Terna		220		320				
93.1.1	FR	Villarodin	RTE	IT	Venaus	Terna		380		956				
94.1.1 [11]	FR	Lucciana	EDF	IT	Suvereto	Terna		220 [12]		300			50	
94.1.2 [13]	FR	Lucciana	EDF	IT	Suvereto	Terna		220 [14]		300			50	
102.1.1 [15]	CH	Laufenburg	EGL Grid	DE	Gurtweil	EnBW Transportnetze		220		485	457 [16]	220		
102.1.2	CH	Laufenburg	EGL Grid	DE	Gurtweil	EnBW Transportnetze		220		469	457 [17]	220		
102.2.1 [18]	CH	Laufenburg	EGL Grid	DE	Kühmoos	EnBW Transportnetze		220		469	457 [19]	220		
102.3.1 [20]	CH	Laufenburg	EGL Grid	DE	Kühmoos	EnBW Transportnetze	380	220		469	476 [21]	220		
102.3.2	CH	Laufenburg	EGL Grid	DE	Kühmoos	EnBW Transportnetze		380		1620	1264			
102.4.1	CH	Laufenburg	EGL Grid	DE	Kühmoos	EnBW Transportnetze		380		1620	1580			
102.4.2	CH	Laufenburg	EGL Grid	DE	Kühmoos	RWE Transportnetz Strom		380		1620	1264 [22]			
102.5.1 [23]	CH	Laufenburg	EGL Grid	DE	Tiengen	RWE Transportnetz Strom		380		1131				
103.1.1	CH	Beznau	NOK	DE	Tiengen	RWE Transportnetz Strom		380		1158				
103.1.2	CH	Beznau	NOK	DE	Tiengen	RWE Transportnetz Strom	380	220		335				
103.1.3	CH	Klingnau	AWAG	DE	Tiengen	RWE Transportnetz Strom	380	110		57	40			
104.1.1 [24]	CH	Asphard	Atel/NOK	DE	Kühmoos	EnBW Transportnetze		380		1340				
105.1.1	CH	Laufenburg	EGL Grid	DE	Engstlatt	EnBW Transportnetze		380		1675				
107.1.1	CH	Laufenburg 220kV	EGL Grid	DE	Laufenburg 110 kV	ED		220/110		200				
111.1.1	AT	Bürs	VIW	DE	Obermooweiler	EnBW Transportnetze		380		1369				
111.1.2	AT	Bürs	VIW	DE	Obermooweiler	EnBW Transportnetze		380		1369				
111.2.1	AT	Bürs	VIW	DE	Herbertingen	RWE Transportnetz Strom	380	220		389				
111.3.1	AT	Bürs	VIW	DE	Dellmensingen	RWE Transportnetz Strom	380	220		492	457 [25]			
111.4.1	AT	Rieden	VKW -Netz	DE	Lindau	VKW -Netz		110		84				
111.4.2	AT	Hörbranz	VKW -Netz	DE	Lindau	VKW -Netz		110		84				
111.5.1	AT	Vorderwald	VKW -Netz	DE	Weiler	VKW -Netz		110		141				
115.1.1	AT	Braunau	ÖBK	DE	Neuötting	E.ON Netz		110		102			82 [26]	
115.2.1	AT	Braunau	ÖBK	DE	Stammham	E.ON Netz		110		102			82 [27]	
115.3.1	AT	Ranshofen	Verbund - APG	DE	Neuötting	E.ON Netz		110		90				
115.4.1	AT	Antiesenhofen	Verbund - APG	DE	Egglfing	E.ON Netz		110		102				

*The conventional transmission capacity of cross-frontier tie-lines is based upon parameters standardised within UCTE for the calculation of the thermal load capability of each line. For areal lines these are : ambient temperature of + 35°C, wind velocity of 0,56 m/s at a right angle to the line as well as the voltage value stated in column 10 or 11. The conditions relevant to system operation in various countries at various time of the year can strongly differ from those above. Because the real allowable load capability of the line depends on many other factors, such as load flow distribution, upholding of voltage, real ambient conditions, limits of stability, n-1 security, etc., the conventional transmission capacity has no relevance from the point of view of system operation or economics but allows just a comparison of order of magnitude of the various lines. Adding together the conventional transmission capacity of several tie-lines does not allow to infer on the real total transmission capability and leads to irrelevant results from the point of view of system operation.

	Observations
[28]	Transducer at Ering
[29]	Transducer at Ering
[30]	Isolator in St. Peter
[31]	Isolator in St. Peter
[32]	Only Temporary line; from December 2006 toll 2006; afterwards disconnected till approx.2010
[33]	No international interconnector
[34]	CFT blocker at St. Peter
[35]	No international interconnector
[36]	CFT blocker at St. Peter
[37]	Switching device at Oberbrunn
[38]	Switching device at Oberbrunn
[39]	Line only crosses German territory without any electrical interconnection between Austria/Germany
[40]	Line complete in Austria
[41]	Possible to lay a second circuit
[42]	Possible to lay a second circuit
[43]	New substation with 400kV near spanish frontier: replace Cantegrit
[44]	New substation with 225kV near Spanish frontier: replace Mouguerre
[45]	Limited by transformer in Enstedt
[46]	Limited by transformer in Kassø / DK
[47]	Transducer at Kassø / DK
[48]	Transducer at Kassø
[49]	Monopol
[50]	DC submarine and underground cable
[51]	DC submarine and underground cable
[52]	DC submarine and underground cable
[53]	Under water cable
[54]	Under water cable
[55]	Under water cable
[56]	Limited by high-frequency coil
[57]	Generator line in radial operation - interconnected operation impossible
[58]	Installed at Vianden
[59]	Generator line in radial operation - interconnected operation impossible
[60]	Installed at Vianden
[61]	Generator line in radial operation - interconnected operation impossible
[62]	Installed at Vianden

T 9 — Connection between: — Voltage of the circuit — Conventional trans-mission capacity of the connection (thermal)* — Limited by the transformers or by the substations — of circuits — of lines — **T 9**

Circuit ID	From substation			to substation			Voltage of the circuit		Conventional trans-mission capacity of the connection (thermal)*		Limited by the transformers or by the substations — of circuits: at	of circuits: Voltage	of lines: Transmission capacity	of lines: Voltage
[Frontier point.Line.Circuit]	Country	Name	Operated by	Country	Name	Operated by	Forecast	Present	Forecast	Present				
							kV	kV	MVA	MVA	MVA	kV	MVA	kV
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
115.5.1	AT	St. Peter	Verbund - APG	DE	Altheim	E.ON Netz		220		301				
115.6.1	AT	St. Peter	Verbund - APG	DE	Simbach	E.ON Netz		220		301				
115.7.1	AT	St. Peter	Verbund - APG	DE	Ering	E.ON Netz		110		152	137		114 [28]	
115.7.2	AT	St. Peter	Verbund - APG	DE	Ering	E.ON Netz		110		152	137		114 [29]	
115.8.1	AT	St. Peter	Verbund - APG	DE	Egglfing	E.ON Netz		110		105				
115.9.1	AT	St. Peter	Verbund - APG	DE	Pirach	E.ON Netz		220		518	457 [30]			
115.10.1	AT	St. Peter	Verbund - APG	DE	Pleinting	E.ON Netz		220		518	457 [31]			
115.11.1	AT	Ranna	EAGOÖ-Netz	DE	Passau/Hauzenberg	E.ON Netz		110		90 [32]				
115.12.1	AT	Oberaudorf	ÖBK	DE	Rosenheim	E.ON Netz		110		93				
115.13.1	AT	Oberaudorf	ÖBK	DE	Kiefersfelden	E.ON Netz		110		102				
115.14.1	AT	Antiesenhofen	EAGOÖ-Netz	DE	Weidach	Thüga		110		130				
115.14.2	AT	Antiesenhofen	EAGOÖ-Netz	DE	Weidach	Thüga		110		130				
115.15.1	AT	Aigerding	Verbund - APG/EAGOÖ-Netz	DE	Passau	ÖBK		110		102				
115.16.1 [33]	AT	St. Peter	Verbund - APG	DE	Schärding	ÖBK		220		301			229 [34]	
115.16.2 [35]	AT	St. Peter	Verbund - APG	DE	Schärding	ÖBK		220		301			229 [36]	
115.17.1	AT	Kufstein	TIWAG-Netz	DE	Oberaudorf	ÖBK		110		90				
115.17.2	AT	Ebbs	TIWAG-Netz	DE	Oberaudorf	ÖBK		110		127				
116.1.1	AT	Westtirol	Verbund - APG	DE	Leupolz	RWE Transportnetz Strom		380		1316				
116.2.1	AT	Westtirol	Verbund - APG	DE	Memmingen	RWE Transportnetz Strom	380	220		762				
117.1.1	AT	Silz	TIWAG-Netz	DE	Oberbrunn	E.ON Netz		220		793	762 [37]			
117.1.2	AT	Silz	TIWAG-Netz	DE	Oberbrunn	E.ON Netz		220		793	762 [38]			
117.2.1	AT	Kufstein	TIWAG-Netz	DE	Oberaudorf	TIWAG-Netz		110		90 [39]				
117.2.2	AT	Ebbs	TIWAG-Netz	DE	Oberaudorf	TIWAG-Netz		110		127[40]				
117.3.1	AT	Reutte	TIWAG-Netz	DE	Füssen	EW Reutte		110		127				
117.3.2	AT	Reutte	TIWAG-Netz	DE	Füssen	EW Reutte		110		127				
121.1.1	CH	All'Acqua	Atel	IT	Ponte	Terna		220		278				
121.2.1	CH	Gorduno	Atel	IT	Mese	Terna		220		278				
121.3.1	CH	Soazza	EGL Grid	IT	Bulciago	Terna		380		1224				
121.4.1	CH	Lavorgo	Atel	IT	Musignano	Terna		380		1204				
122.1.1[41]	CH	Campocologno	RE	IT	Poschiavino	Terna		150		103	42			
123.1.1	CH	Riddes	EGL Grid	IT	Avise	Terna		220		309				
123.2.1	CH	Riddes	EGL Grid	IT	Valpelline	Terna		220		309				
123.3.1	CH	Serra	RHOWAG	IT	Pallanzeno	Terna		220		278				
124.1.1	CH	Robbia	RE	IT	Gorlago	Terna		380		1340				
124.1.2	CH	Robbia	RE	IT	San Fiorano	Terna		380		1340				
132.1.1	AT	Lienz	Verbund - APG	IT	Soverzene	Terna		220		257				
141.1.1 [42]	AT	Meiningen	VKW-Netz	CH	Y-Rehag	NOK	380	220		501				
141.2.1	AT	Meiningen	VKW-Netz	CH	Winkeln	NOK	380	220		776				
142.1.1	AT	Westtirol	Verbund - APG	CH	Pradella	EGL Grid		380		1340				
142.2.1	AT	Westtirol	Verbund - APG	CH	Pradella	EGL Grid		380		1340				
151.1.1	ES	Hernani	REE	FR	Argia [43]	RTE		380		1136				
151.2.1	ES	Irún	REE	FR	Errondenia	RTE		132		56				
151.3.1	ES	Arkale	REE	FR	Argia [43]	RTE		220		340				
151.4.1	ES	Biescas	REE	FR	Pragnères	RTE		220		257				
152.1.1	ES	Benós	REE	FR	Lac d'Oo	RTE		110		63				
153.1.1	ES	Vic	REE	FR	Baixas	RTE		380		1105				
161.1.1 [45]	DE	Flensburg	E.ON Netz	DK_W	Ensted	Energinet.dk		220		332	305			
161.2.1	DE	Flensburg	E.ON Netz	DK_W	Kassø	Energinet.dk		220		332	305 [46]			
161.3.1	DE	Audorf	E.ON Netz	DK_W	Kassø	Energinet.dk		380		1078	658 [47]			
161.3.2	DE	Audorf	E.ON Netz	DK_W	Kassø	Energinet.dk		380		1078	658 [48]			
161.4.1	DE	Flensburg UW Nord	E.ON Netz	DK_W	Ensted	Energinet.dk		150		150				
162.1.1 [49]	DE	Bentwisch	VE Transmission	DK_E	Bjæverskov	Energinet.dk		400		600 [50]				
163.1.1	NO	Kristiansand	Statnett	DK_W	Tjele	Energinet.dk				250 [51]				
163.1.2	NO	Kristiansand	Statnett	DK_W	Tjele	Energinet.dk				250 [52]				
164.1.1	NO	Kristiansand	Statnett	DK_W	Tjele	Energinet.dk				350 [53]				
165.1.1	SE	Stenkullen	Svenska Kraftnät	DK_W	Vester Hassing	Energinet.dk				125 [54]				
166.1.1	SE	Lindome	Svenska Kraftnät	DK_W	Vester Hassing	Energinet.dk				360 [55]				
171.1.1	AT	Bisamberg	Verbund - APG	CZ	Sokolnice	CEPS		220		269				
171.2.1	AT	Bisamberg	Verbund - APG	CZ	Sokolnice	CEPS		220		269				
172.1.1	AT	Dürnrohr	Verbund - APG	CZ	Slavetice	CEPS		380		1711	1386 [56]			
181.1.1	AT	Obersielach	Verbund - APG	SI	Podlog	ELES		220		351				
182.1.1	AT	Kainachtal	Verbund - APG	SI	Maribor	ELES		380		1514	450			
182.2.1	AT	Kainachtal	Verbund - APG	SI	Maribor	ELES		380		1514	450			
191.1.1	DE	Niederstedem	RWE Transportnetz Strom	LU	Vianden	SEO		220		490	460 [57,58]			
191.1.2	DE	Niederstedem	RWE Transportnetz Strom	LU	Vianden	SEO		220		490	230			
191.2.1	DE	Bauler	RWE Transportnetz Strom	LU	Vianden	SEO		220		730	345 [59,60]			
191.2.2	DE	Bauler	RWE Transportnetz Strom	LU	Vianden	SEO		220		730	230 [61,62]			

*The conventional transmission capacity of cross-frontier tie-lines is based upon parameters standardised within UCTE for the calculation of the thermal load capability of each line. For arial lines these are : ambient temperature of + 35°C, wind velocity of 0,56 m/s at a right angle to the line as well as the voltage value stated in column 10 or 11. The conditions relevant to system operation in various countries at various time of the year can strongly differ from those above. Because the real allowable load capability of the line depends on many other factors, such as load flow distribution, upholding of voltage, real ambient conditions, limits of stability, n-1 security, etc., the conventional transmission capacity has no relevance from the point of view of system operation or economics but allows just a comparison of order of magnitude of the various lines. Adding together the conventional transmission capacity of several tie-lines does not allow to infer on the real total transmission capability and leads to irrelevant results from the point of view of system operation.

Observations	
[63]	The 400kV DC link between GR-IT is composed of an overhead line and a submarine cable
[64]	In Hungary 2 systems in parallel operation
[65]	DC submarine cable
[66]	Unit is MW instead of MVA
[67]	DC submarine cable
[68]	Unit is MW instead of MVA
[69]	Limited by the connected network
[70]	Nominal voltage in Croatia
[71]	Limited by the connected network
[72]	Nominal voltage in Croatia
[73]	Built for 750 kV
[74]	4500 MVA at 750 kV
[75]	The limitation is 750MW
[76]	Limited by the Albanian network
[77]	Capacity of current transformers at Bistrica
[78]	Limitating installations in CZ
[79]	Limitating installations in Etzenricht
[80]	Limited by disconnector / CEPS
[81]	Limited by disconnector / CEPS
[82]	Disconnected in Yugoslavia

Circuit ID	Connection between:						Voltage of the circuit		Conventional trans-mission capacity of the connection (thermal)*		Limited by the transformers or by the substations				T 9
	From substation			to substation							of circuits		of lines		
[Frontier point.Line.Circuit]	Country	Name	Operated by	Country	Name	Operated by	Forecast	Present	Forecast	Present	at	Voltage	Transmission capacity	Voltage	
							kV	kV	MVA	MVA	MVA	kV	MVA	kV	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
191.3.1	DE	Bauler	RWE Transportnetz Strom	LU	Flebour	CEGEDEL Net SA		220		490					
191.4.1	DE	Bauler	RWE Transportnetz Strom	LU	Roost	CEGEDEL Net SA		220		490					
192.1.1	DE	Trier	RWE Transportnetz Strom	LU	Heisdorf	CEGEDEL Net SA		220		490					
192.2.1	DE	Quint	RWE Transportnetz Strom	LU	Heisdorf	CEGEDEL Net SA		220		490					
201.1.1	IT	Redipuglia	Terna	SI	Divaca	ELES		380		1619					
201.2.1	IT	Padriciano	Terna	SI	Divaca	ELES		220		305					
205.1.1 [63]	IT	Galatina	Terna	GR	Arachthos	HTSO		380		500					
211.1.1	AT	Wien Süd-Ost	Verbund - APG	HU	Györ	MAVIR		220		305					
211.1.2	AT	Neusiedel	Verbund - APG	HU	Györ	MAVIR		220		305					
212.1.1 [64]	AT	Wien Süd-Ost	Verbund - APG	HU	Györ	MAVIR		380		1514					
221.1.1	FR	Mandarins	RTE	GB	Sellindge	National Grid		270 [65]		1000 [66]					
221.2.1	FR	Mandarins	RTE	GB	Sellindge	National Grid		270 [67]		1000 [68]					
231.1.1	ES	Las Conchas	REE	PT	Lindoso	REN		132		90					
232.1.1	ES	Aldeadávila	REE	PT	Bemposta	REN		220		321					
232.2.1	ES	Aldeadávila	REE	PT	Pocinho	REN		220		321					
232.3.1	ES	Saucelle	REE	PT	Pocinho	REN		220		321					
233.1.1	ES	Cedillo	REE	PT	Falagueira	REN		380		1150					
234.1.1	ES	Cartelle	REE	PT	Alto Lindoso	REN		380		1036					
234.1.2	ES	Cartelle	REE	PT	Alto Lindoso	REN		380		1036					
235.1.1	ES	Balboa	REE	PT	Alqueva	REN		400		1258					
241.1.1	MK	Dubrovo	MEPSO	GR	Thessaloniki	HTSO		400		1300					
242.1.1	MK	Bitola	MEPSO	GR	Amyndeo	HTSO		150		120	100				
251.1.1	HU	Lenti	MAVIR	HR	Nedeljanec	HEP-OPS		120		82	50 [69]	110 [70]			
251.2.1	HU	Siklos	MAVIR	HR	Donji Miholjac	HEP-OPS		120		114	50 [71]	110 [72]			
251.3.1	HU	Héviz	MAVIR	HR	Zerjavinec	HEP-OPS		400		1246					
251.3.2	HU	Héviz	MAVIR	HR	Zerjavinec	HEP-OPS		400		1246					
261.1.1	CS	Djerdap	EMS	RO	Portile de Fier	TRANSELECTRICA		380		1200					
261.2.1	CS	Sip	EMS	RO	Gura Vaii	TRANSELECTRICA		110		90					
262.1.1	CS	Kikinda 1	EMS	RO	Jimbolia	TRANSELECTRICA		110		55					
263.1.1	CS	Kusijak	EMS	RO	Ostrovu Mare	TRANSELECTRICA		110		115					
271.1.1	BG	Sofija Zapad	NEK	CS	Niš	EMS		380		1264					
272.1.1	BG	Breznik	NEK	CS	HE Vrla 1	EMS		110		90					
273.1.1	BG	Kula	NEK	CS	Zajecar	EMS		110		90					
275.1.1	RO	Isaccea	TRANSELECTRICA	BG	Varna	NEK	750	400 [73]	4500	2300 [74]			750[75]		
275.2.1	RO	Isaccea	TRANSELECTRICA	BG	Dobrudja	NEK		400		1660			830		
276.1.1	RO	Isalnita	TRANSELECTRICA	BG	Kozlodui	NEK		220		330					
277.1.1	RO	Tântareni	TRANSELECTRICA	BG	Kozlodui	NEK		400		1200		1000			
277.1.2	RO	Tântareni	TRANSELECTRICA	BG	Kozlodui	NEK		400		1200					
281.1.1	AL	Vau i Dejës	KESH	CS	Podgorica	EP CG		220		276					
282.1.1	AL	Fierza	KESH	CS	Prizren	EMS		220		311					
291.1.1	AL	Elbassan	KESH	GR	Kardia	HTSO		400		1300	250 [76]				
292.1.1	AL	Bistrica	KESH	GR	Mourtos	HTSO		150		120	40 [77]				
301.1.1	BG	Blagoevgrad	NEK	GR	Thessaloniki	HTSO		400		1300	700				
321.1.1	CZ	Hradec Zapad	CEPS	DE	Etzenricht	E.ON Netz		380		1386	1316 [78]				
321.1.2	CZ	Prestice	CEPS	DE	Etzenricht	E.ON Netz		380		1579 [79]					
322.1.1	CZ	Hradec Vychod	CEPS	DE	Röhrsdorf	VE Transmission		380		1476	1320 [80]				
322.1.2	CZ	Hradec Vychod	CEPS	DE	Röhrsdorf	VE Transmission		380		1476	1320 [81]				
331.1.1	HU	Sándorfalva	MAVIR	CS	Subotica 3	EMS		380		1264	1050				
332.1.1	HU	Szeged	MAVIR	CS	Subotica	EMS		120		86 [82]					
341.1.1	BG	Skakavica	NEK	MK	Kriva Palanka	MEPSO		110		123					
341.2.1	BG	Petric	NEK	MK	Sušica	MEPSO		110		123					
351.1.1	HR	Melina	HEP -OPS	SI	Divaca	ELES		380		1264					
351.2.1	HR	Pehlin	HEP -OPS	SI	Divaca	ELES		220		366					
351.3.1	HR	Buje	HEP -OPS	SI	Koper	ELES		110		89					
351.4.1	HR	Matulji	HEP -OPS	SI	Ilirska Bistrica	ELES		110		53					
352.1.1	HR	Tumbri	HEP -OPS	SI	Krško	ELES		380		1316					
352.1.2	HR	Tumbri	HEP -OPS	SI	Krško	ELES		380		1316					
352.2.1	HR	Žerjavinec	HEP -OPS	SI	Cirkovce	ELES		220		297					
352.3.1	HR	Nedeljanec	HEP -OPS	SI	Formin	ELES		110		115					
361.1.1	BA	Mostar	NOS BiH	HR	Konjsko	HEP-OPS		400		1316					
361.2.1	BA	Mostar	NOS BiH	HR	Zakucac	HEP-OPS		220		311					
361.3.1	BA	Grahovo	NOS BiH	HR	Knin	HEP-OPS		110		90					
361.4.1	BA	Buško Blato	NOS BiH	HR	Kraljevac	HEP-OPS		110		115					
361.5.1	BA	Buško Blato	NOS BiH	HR	Peruca	HEP-OPS		110		90					
361.6.1	BA	Grude	NOS BiH	HR	Imotski	HEP-OPS		110		72					
361.7.1	BA	Kulen Vakuf	NOS BiH	HR	Gracac	HEP-OPS		110		120	101				

*The conventional transmission capacity of cross-frontier tie-lines is based upon parameters standardised within UCTE for the calculation of the thermal load capability of each line. For arial lines these are : ambient temperature of + 35°C, wind velocity of 0,56 m/s at a right angle to the line as well as the voltage value stated in column 10 or 11. The conditions relevant to system operation in various countries at various time of the year can strongly differ from those above. Because the real allowable load capability of the line depends on many other factors, such as load flow distribution, upholding of voltage, real ambient conditions, limits of stability, n-1 security, etc., the conventional transmission capacity has no relevance from the point of view of system operation or economics but allows just a comparison of order of magnitude of the various lines. Adding together the conventional transmission capacity of several tie-lines does not allow to infer on the real total transmission capability and leads to irrelevant results from the point of view of system operation.

Observations	
[83]	Destroyed line
[84]	Out of operation
[85]	Destroyed line and substation
[86]	Destroyed line
[87]	Destroyed line
[88]	New line 400 kV between CS (EMS) and BA (NOS) Ugljevik - Sremska Mitrovica is operational from EMS side
[89]	Line is destroyed, currently under construction
[90]	Line is destroyed, currently under construction
[91]	Monopol
[92]	Limited by the measuring transformer of current
[93]	Limited by the connections amoung equipments
[94]	Limited by the measuring transformer of current
[95]	Limited by the measuring transformer of current
[96]	Submarine cable
[97]	Limited by current transformer at Krosno
[98]	Limited by the measuring current transformer
[99]	Limited by current transformer at Krosno
[100]	Limited by the measuring current transformer
[101]	Limited by HF attenuator at UA side
[102]	Out of operation
[103]	Radial operation
[104]	Out of operation
[105]	Submarine cable
[106]	Limited by the measuring transformer of current
[107]	Limited by HF attenuator
[108]	Limited by the measuring transformer of current
[109]	Limited by HF attenuator
[110]	Limited by HF attenuator
[111]	Out of operation / substation local automatic equipment
[112]	Out of operation / substation local automatic equipment
[113]	Limited by HF attenuator
[114]	Not in operation
[115]	Limitation 900 MW

Circuit ID	Connection between:						Voltage of the circuit		Conventional trans-mission capacity of the connection (thermal)*		Limited by the transformers or by the substations of circuits		of lines		T 9
	From substation			to substation			Forecast	Present	Forecast	Present	at	Voltage	Transmission capacity	Voltage	
[Frontier point.Line.Circuit]	Country	Name	Operated by	Country	Name	Operated by	kV	kV	MVA	MVA	MVA	kV	MVA	kV	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
362.1.1	BA	Jajce	NOS BiH	HR	Mraclin	HEP-OPS		220		297[83]					
362.2.1	BA	Prijedor	NOS BiH	HR	Meduric	HEP-OPS		220		297					
363.1.1	BA	Trebinje	NOS BiH	HR	Dubrovnik	HEP-OPS		220		460 [84]					
363.2.1	BA	Trebinje	NOS BiH	HR	Dubrovnik	HEP-OPS		220		460					
363.3.1	BA	Capljina	NOS BiH	HR	Opuzen	HEP-OPS		110		84					
363.4.1	BA	Neum	NOS BiH	HR	Opuzen	HEP-OPS		110		84					
363.5.1	BA	Neum	NOS BiH	HR	Ston	HEP-OPS		110		76					
363.6.1	BA	Trebinje	NOS BiH	HR	Komolac	HEP-OPS		110		84					
364.1.1	BA	Ugljevik	NOS BiH	HR	Ernestinovo	HEP-OPS		400		1264 [85]					
364.2.1	BA	Gradacac	NOS BiH	HR	Đakovo	HEP-OPS		220		229 [86]					
364.3.1	BA	Tuzla	NOS BiH	HR	Đakovo	HEP-OPS		220		229					
364.4.1	BA	Bosanski Brod	NOS BiH	HR	Slavonski Brod 2	HEP-OPS		110		115[87]					
364.5.1	BA	Orasje	NOS BiH	HR	Županja	HEP-OPS		110		76					
371.1.1	HR	Ernestinovo	HEP-OPS	CS	Sremska Mitrovica	EMS		380		1264					
371.2.1	HR	Nijemci	HEP-OPS	CS	Šid	EMS		110		76					
371.3.1	HR	Beli Manastir	HEP-OPS	CS	Apatin	EMS		110		78					
381.1.1	BA	Trebinje	NOS BiH	CS	Podgorica	EPCG		380		1264					
381.2.1	BA	Trebinje	NOS BiH	CS	Perucica	EPCG		220		276					
381.3.1	BA	Trebinje	NOS BiH	CS	Herceg Novi	EPCG		110		90					
381.4.1	BA	Bileca	NOS BiH	CS	Vilusi	EPCG		110		84					
382.1.1	BA	Sarajevo 20	NOS BiH	CS	Piva	EPCG		220		366					
382.2.1	BA	Goražde	NOS BiH	CS	Pljevlja	EPCG		110		90					
383.1.1	BA	Višegrad	NOS BiH	CS	Požega	EMS		220		311					
383.2.1	BA	Bijeljina	NOS BiH	CS	Lešnica	EMS		110		123					
383.3.1	BA	Zvornik	NOS BiH	CS	HE Zvornik	EMS		110		123					
383.4.1	BA	Višegrad	NOS BiH	CS	Potpec	EMS		110		123					
383.5.1	BA	Ugljevik	NOS BiH	CS	Sremska Mitrovica	EMS		380		1264 [88]					
391.1.1	MK	Skopje 1	MEPSO	CS	Kosovo A	EMS		220		311[89]					
391.2.1	MK	Skopje 1	MEPSO	CS	Kosovo A	EMS		220		311[90]					
391.3.1	MK	Skopje 5	MEPSO	CS	Kosovo B	EMS		380		1218					
401.1.1 [91]	DE	Herrenwyk	E.ON Netz	SE	Kruseberg	Sydkraft/Vattenfall		450		600					
404.1.1	CZ	Nosovice	CEPS	SK	Varin	SEPS		400		1465	1386 [92]				
410.1.1	CZ	Liskovec	CEPS	SK	Pov. Bystrica	SEPS		220		269					
420.1.1	CZ	Sokolnice	CEPS	SK	Senica	SEPS		220		318					
424.1.1	CZ	Sokolnice	CEPS	SK	Krizovany	SEPS		400		1503	1323 [93]				
430.1.1	CZ	Sokolnice	CEPS	SK	Stupava	SEPS		400		1559	831[94]				
440.1.1	SK	V.Kapusany	SEPS	UA_W	Mukachevo	NPC Ukrenergo		400		1186	693 [95]				
443.1.1	CZ	Albrechtice	CEPS	PL	Dobrzen	PSE-Operator SA		400		1088					
444.1.1	CZ	Nošovice	CEPS	PL	Wielopole	PSE-Operator SA		400		1088					
450.1.1	CZ	Liskovec	CEPS	PL	Kopanina	PSE-Operator SA		220		399					
460.1.1	CZ	Liskovec	CEPS	PL	Bujakov	PSE-Operator SA		220		399					
501.1.1	DE	Vierraden	VE Transmission	PL	Krajnik	PSE-Operator SA		220		400					
501.1.2	DE	Vierraden	VE Transmission	PL	Krajnik	PSE-Operator SA		220		400					
502.1.1	DE	Hagenwerder	VE Transmission	PL	Mikulowa	PSE-Operator SA		380		1302					
502.1.2	DE	Hagenwerder	VE Transmission	PL	Mikulowa	PSE-Operator SA		380		1302					
601.1.1 [96]	ES	Pinar del Rey	REE	MA	Melloussa	ONE		380		730					
700.1.1	PL	Krosno Iskrzynia	PSE-Operator SA	SK	Lemešany	SEPS		400		1252	831[97,98]				
700.1.2	PL	Krosno Iskrzynia	PSE-Operator SA	SK	Lemešany	SEPS		400		1252	831[99,100]				
701.1.1	PL	Rzeszów	PSE-Operator SA	UA	Khmelnytska	NPC Ukrenergo		750		2595 [101]	1949 [102]				
702.1.1	PL	Zamosc	PSE-Operator SA	UA	Dobrotvir	NPC Ukrenergo		220		309 [103]					
703.1.1	PL	Bialystok	PSE-Operator SA	BY	Ros	Grodnoenergo		220		215[104]					
704.1.1	PL	Slupsk	PSE-Operator SA	SE	Stärnö	SvK		450		600 [105]					
710.1.1	HU	Györ	MAVIR	SK	Gabcikovo	SEPS		400		1246					
711.1.1	HU	Göd	MAVIR	SK	Levice	SEPS		400		1246	1108 [106]				
720.1.1	HU	Albertirsa	MAVIR	UA_W	Zahidno Ukrainska	NPC Ukrenergo		750		4000	2146 [107]				
721.1.1	HU	Sajószöged	MAVIR	UA_W	Mukacevo	NPC Ukrenergo		400		1635	693 [108]				
722.1.1	HU	Kisvárda	MAVIR	UA_W	Mukacevo	NPC Ukrenergo		220		312	305 [109]				
722.1.2	HU	Tiszalök	MAVIR	UA_W	Mukacevo	NPC Ukrenergo		220		312	305 [110]				
730.1.1	HU	Sándorfalva	MAVIR	RO	Arad	TRANSELECTRICA		400		1200					
740.1.1	RO	Rosiori	TRANSELECTRICA	UA_W	Mukacevo	NPC Ukrenergo		400		550 [111]					
741.1.1	RO	Isaccea	TRANSELECTRICA	UA_W	PivdennoUkrainska AES	NPC Ukrenergo		750		4500 [112]	2100 [113]				
750.1.1	RO	Stânca	TRANSELECTRICA	MD	Costesti	Moldenergo		110		55					
751.1.1	RO	Husi	TRANSELECTRICA	MD	Cioara	Moldenergo		110		55					
752.1.1	RO	Tutora	TRANSELECTRICA	MD	Ungheni	Moldenergo		110		55					
753.1.1	RO	Issaccea	TRANSELECTRICA	MD	Vulcanesti	Moldenergo		400		1200					
760.1.1	BG	Maritsa3	NEK	TR	Babaeski	TEIAS		400		1309 [114]	900				
761.1.1	BG	Maritsa3	NEK	TR	Hamitabat	TEIAS		400	1715	900 [115]					

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Abbreviations used of grid operators

Austria	APG	Verbund - Austria Power Grid AG
	TIWAG Netz AG	Tiroler Wasserkraft AG
	VKW - Netz AG	VKW - Netz AG
Bosnia - Herzegovina	ISO BiH	Nezavisni operator sustava u Bosni i Hercegovini
Belgium	Elia	Elia System Operator SA/NV
Bulgaria	NEK	Natsionalna Elektricheska Kompania EAD
Switzerland	ATEL	Aare -Tessin Ltd. for Electricity
	BKW UTN	BKW Übertragungsnetz AG
	EGL Grid	EGL Grid AG
	EOS	Energy Ouest Suisse
	ETRANS	ETRANS Ltd.
	NOK	Nordostschweizerische Kraftwerke AG
	RE	Rätia Energie
Serbia & Montenegro	EPCG	Elektroprivreda Crne Gore
	EPS	JP Elektromreža Srbije
Czech Republic	CEPS	CEPS a.s.
Germany	E.ON Netz	E.ON Netz GmbH
	EnBW Transportnetze	EnBW Transportnetze AG
	RWE Transportnetz Strom	RWE Transportnetz Strom GmbH
	VE Transmission	Vattenfall Europe Transmission GmbH
Spain	REE	Red Eléctrica de España S.A.
France	RTE	RTE Gestionnaire du Réseau de Transport d'Electricité
Greece	HTSO / DESMIE	Hellenic Transmission System Operator/ Diachiristis Elinikou Sistimatos Metaforas Ilectrikis Energias
Croatia	HEP	HEP-Operator prijenosnog sustava d.o.o.
Hungary	MAVIR ZRt	MAVIR Magyar Villamosenergia-ipari Rendszerirányító Zártkörúen Múködó Részvénytársaság
Italy	Terna S.p.A.	Terna - Rete Elettrica Nazionale SpA
Luxembourg	CEGEDEL Net S.A.	Compagnie Grand Ducale d'Electricité du Luxembourg
FYROM	MEPSO	Elektrostopanstvo na Makedonija AD, Skopje
The Netherlands	TenneT	TenneT TSO B.V.
Poland	PSE-Operator S.A.	Operator Systemu Przesylowego
Portugal	REN	Rede Eléctrica Nacional, S.A.
Romania	TRANSELECTRICA	C.N. Transelectrica S.A.
Slovenia	ELES	Elektro Slovenija
Slovak Republic	SEPS	Slovenska elektrizacna prenosova sustava, a.s.
Denmark West	Energinet.dk	Energinet.dk
Denmark East	Energinet.dk	Energinet.dk
Ukraine West	NPC Ukrenergo	NPC Ukrenergo
Albania	KESH	Albanian Electroenergetic Corporation
Belarus	Grodnoenergo	Grodnoenergo
Great Britain	National Grid	The National Grid Company plc
Morocco	ONE	Office National de l'Electricité
Republic of Moldavia	Moldenergo	Moldenergo
Norway	Statnett	Statnett
Republic of Turkey	TEIAS	Türkiye Elektrik Iletim A.S.
Sweden	SYDKRAFT	Sydkraft AB
	VATTENFALL	Vattenfall AB
	SvK	Svenska Kraftnät

T9a Unavailability of international tie lines - Overview

Circuit ID	From substation	To substation	Voltage [kV]	Thermal conventional transmission capacity [MVA]	Major Reason	Time whole year [min]	January [min]	February [min]	March [min]	April [min]	May [min]	June [min]	July [min]	August [min]	September [min]	October [min]	November [min]	December [min]
11.1.1	DE - Diele (E.ON Netz)	NL - Meeden (TenneT)	380	1382	R1	3153			484	1793		565			311			
11.1.2	DE - Conneforde (E.ON Netz)	NL - Meeden (TenneT)	380	1382	R1	2043			2043									
13.1.1	DE - Siersdorf (RWE Transportnetz Strom)	NL - Maasbracht (TenneT)	380	1645	R9, R10	13718					13597						121	
13.1.2	DE - Rommerskirchen (RWE Transportnetz Strom)	NL - Maasbracht (TenneT)	380	1698	R1, R10	23635					23033						602	
15.1.1	DE - Gronau W (RWE Transportnetz Strom)	NL - Hengelo (TenneT)	380	1790	R1	4952								4814			138	
15.1.2	DE - Gronau Z (RWE Transportnetz Strom)	NL - Hengelo (TenneT)	380	1790	R1	4815								4815				
25.1.1	BE - Gramme (Elia)	NL - Maasbracht (TenneT)	380	1207	R1	4332									4332			
25.1.2	NL - Maasbracht (TenneT)	BE - Meerhout (Elia)	380	1270	R1	14952						14952						
26.1.1	BE - Zandvliet (Elia)	NL - Geertruidenberg (TenneT)	380	1476	R8	2677											2677	
26.2.1	BE - Zandvliet (Elia)	NL - Borssele (TenneT)	380	1476	R1, R2, R8	11491									2670		7468	1353
41.2.1	BE - Aubange (Elia)	LU - Belval (SOTEL)	150	157	R1, R6	39225					5514	31374		1880	457			
41.3.1	BE - Aubange (Elia)	LU - Belval (SOTEL)	150	157	R1	35617				2656	7231	24840	890					
51.1.1	BE - Jamiolle (Elia)	FR - Chooz (RTE)	220	356	R1, R3	11734			11220						514			
51.2.1	BE - Avelgem (Elia)	FR - Mastaing ( )	380	1207	R3	20920				13590						7330		
51.3.1	BE - Achène (Elia)	FR - Lonny (RTE)	380	1207	R1	1002				485					517			
52.1.1	BE - Aubange (Elia)	FR - Moulaine (RTE)	220	286	R1	5193										4983		210
71.1.1	DE - Uchtelfangen (RWE Transportnetz Strom)	FR - Vigy (RTE)	380	1790	R1	4513			2312							2201		
71.1.2	DE - Uchtelfangen (RWE Transportnetz Strom)	FR - Vigy (RTE)	380	1790	R1, R2	6373			5160							1213		
71.2.1	DE - Ensdorf (RWE Transportnetz Strom)	FR - St-Avold (RTE)	220	261	R1	3652	1627								2025			
72.1.1	DE - Eichstetten (EnBW Transportnetze)	FR - Vogelgrün (RTE)	220	338	R1, R4, R9	37094			17344			4828					14922	
72.1.2	DE - Eichstetten (EnBW Transportnetze)	FR - Muhlbach (RTE)	380	1751	R1	4969			4969									
81.1.1	FR - Sierentz (RTE)	CH - Bassecourt (BKW)	380	1186	R1, R2, R10	14405	579				616		6495			6173		542
81.2.1	CH - Laufenburg (EGL Grid)	FR - Sierentz (RTE)	380	1167	R1, R9	99092		5					29793	44640	22445		2209	
81.3.1	CH - Bassecourt (BKW)	FR - Mambelin (RTE)	380	1046	R1	10244	6307	415	3522									
82.1.1	FR - Bois-Tollot (RTE)	CH - Verbois (EOS)	380	1211	R10	6352						6352						
82.1.2	FR - Bois-Tollot (RTE)	CH - Chamoson (EOS)	380	1409	R1	39228		555			4003	8843	9591		6706	9530		
82.2.1	CH - Verbois (EOS)	FR - Génissiat (RTE)	220	280	R10	470									470			
82.2.2	FR - Génissiat (RTE)	CH - Verbois (EOS)	220	280	R1	1967									1967			
82.4.1	FR - Vallorcine (RTE)	CH - La Bâtiaz (Atel)	220	266	R10	6265							6265					
82.5.1	CH - Riddes (EGL Grid)	FR - Cornier (RTE)	220	275	R1	4105				3454					651			
82.6.1	CH - St.-Triphon (EOS)	FR - Cornier (RTE)	220	275	R1	5215		360								4855		
83.1.1	FR - Sierentz (RTE)	CH - Asphard (Atel/NOK/EnBW TN)	380	1167	R1	15												15
91.1.1	FR - Albertville (RTE)	IT - Rondissone (Terna)	380	1150	R1	540					540							
91.1.2	FR - Albertville (RTE)	IT - Rondissone (Terna)	380	1150	R1, R8	799	185				614							
92.1.1	FR - Le Broc Carros (RTE)	IT - Camporosso (Terna)	220	335	R1, R8	18290			18060				230					
93.1.1	FR - Villarodin (RTE)	IT - Venaus (Terna)	380	879	R1, R8	302							111				191	
94.1.1	FR - Lucciana (EDF)	IT - Suvereto (Terna)	220	300	R1	26519									6779	19740		
102.1.1	CH - Laufenburg (EGL Grid)	DE - Gurtweil (EnBW Transportnetze)	220	485	R1	892			892									
102.1.2	CH - Laufenburg (EGL Grid)	DE - Gurtweil (EnBW Transportnetze)	220	485	R1, R10	5069			1805		3264							
102.2.1	CH - Laufenburg (EGL Grid)	DE - Kühmoos (EnBW Transportnetze)	220	295	R2, R9	14227								13967	2		258	
102.3.1	DE - Kühmoos (EnBW Transportnetze)	CH - Laufenburg (EGL Grid)	220	485	R1, R2	28486								28227			259	
102.3.2	DE - Kühmoos (EnBW Transportnetze)	CH - Laufenburg (EGL Grid)	380	1620	R1, R7	54326	844		35577	909	8760					6083	2153	
102.4.1	DE - Kühmoos (EnBW Transportnetze)	CH - Laufenburg (EGL Grid)	380	1620	R1,R2,R9,R10	60610	844		35574	815	8889			7691		6083	714	
102.4.2	DE - Kühmoos (RWE Transportnetz Strom)	CH - Laufenburg (EGL Grid)	380	1580	R4	7705								7705				
102.5.1	DE - Tiengen (RWE Transportnetz Strom)	CH - Laufenburg (EGL Grid)	380	1158	R1, R2	348					296						52	
103.1.1	CH - Beznau (NOK)	DE - Tiengen (RWE Transportnetz Strom)	380	1158	R1, R9	36644	600			447		481		3825	31291			
103.1.2	CH - Beznau (NOK)	DE - Tiengen (RWE Transportnetz Strom)	220	335	R1, R9	27005	592	160	3349			6861		3796	12247			
104.1.1	CH - Asphard (Atel/NOK)	DE - Kühmoos (EnBW Transportnetze)	380	1340	R1, R9	1912	614									1298		
105.1.1	DE - Engstlatt (EnBW Transportnetze)	CH - Laufenburg (EGL Grid)	380	1675	R1, R2, R9	10826					296	585	3561			6384		
111.1.1	DE - Obermooweiler (EnBW Transportnetze)	AT - Bürs (VIW)	380	1369	R1	109											109	
111.1.2	DE - Obermooweiler (EnBW Transportnetze)	AT - Bürs (VIW)	380	1369	R1	1003			783								220	
111.2.1	AT - Bürs (VIW)	DE - Herbertingen (RWE Tr.Netz Strom)	220	389	R1, R9, R10	55402		445		12702		450		477	11186		932	29210
111.3.1	DE - Dellmensingen (RWE Tr.Netz Strom)	AT - Bürs (VIW)	220	492	R1, R10	12067		622	3656	7044		273		472				
115.5.1	DE - Altheim (E.ON Netz)	AT - St. Peter (Verbund-APG)	220	301	R1, R7	15006	3052			577			305		3311	5331	1286	1144
115.6.1	DE - Simbach (E.ON Netz)	AT - St. Peter (Verbund-APG)	220	301	R1,R2,R3,R9	13144	624			534			276		2948	5330	1286	2146
115.9.1	AT - St. Peter (Verbund-APG)	DE - Pirach (E.ON Netz)	220	518	R1	9271	1120		2454			1010	686	3022	602	277	100	
115.10.1	AT - St. Peter (Verbund-APG)	DE - Pleinting (E.ON Netz)	220	518	R1, R9	1893	589		712				18		500		74	
116.1.1	AT - Westtirol (Verbund-APG)	DE - Leupolz (RWE Transportnetz Strom)	380	1316	R9	569											569	
116.2.1	AT - Westtirol (Verbund-APG)	DE - Memmingen (RWE Tr.Netz Strom)	220	762	R1	6945			1278	3598					1238		831	
117.1.1	AT - Silz (TIWAG)	DE - Oberbrunn (E.ON Netz)	220	793	R9	1968			570			1040			90		268	
117.1.2	AT - Silz (TIWAG)	DE - Oberbrunn (E.ON Netz)	220	793	R1, R2	4931			3789			1142						
121.1.1	CH - Airolo (Atel)	IT - Ponte (Terna)	220	257	R1, R9, R10	22156						5330	975		6074	9777		
121.2.1	CH - Gorduno (Atel)	IT - Mese (Terna)	220	257	R1	21102				7621		13481						
121.3.1	CH - Soazza (EGL Grid)	IT - Bulciago (Terna)	380	1142	R1, R10	974						514			460			
121.4.1	IT - Musignano (Terna)	CH - Lavorgo (Atel)	380	1118	R1	16319								3896	12423			
123.1.1	IT - Avise (Terna)	CH - Riddes (EGL Grid)	220	290	R1, R8	18219				1192			14929		2098			
123.2.1	CH - Riddes (EGL Grid)	IT - Valpelline (Terna)	220	290	R10	273									273			
123.3.1	CH - Serra (RHOWAG)	IT - Pallanzeno (Terna)	220	257	R1, R2, R7	7251			201			118				6295		637
124.1.1	CH - Robbia (RE)	IT - Gorlago (Terna)	380	1340	R1, R2, R10	25502								15199	2167		8136	
124.1.2	CH - Robbia (RE)	IT - San Fiorano (Terna)	380	1340	R2, R9	28214							149	16533	2160		9372	

Reasons: R1 - Maintenance, R2 - Repair, R3 - New construction, R4 - Overload (also calculated), R5 - False operation, R6 - Failure in prodection device or other element, R7 - Outside impacts (animals, trees, fire, avalance,...), R8 - Very exceptional conditions (weather, natural disaster,...), R9 - Other reasons, R10 - Unknown reasons

T9a Unavailability of international tie lines - Overview

Circuit ID	From substation	To substation	Voltage [kV]	Thermal conventional transmission capacity [MVA]	Major Reason	Time whole year [min]	January [min]	February [min]	March [min]	April [min]	May [min]	June [min]	July [min]	August [min]	September [min]	October [min]	November [min]	December [min]
132.1.1	IT - Soverzene (Terna)	AT - Lienz (Verbund-APG)	220	257	R1, R9, R10	19840	122		2249		354		9645	6792	101	577		
141.1.1	CH - Y-Rehag (NOK)	AT - Meiningen (VKW-ÜN)	220	501	R1, R5, R10	14899					586	1035		529	1921	540	10288	
141.2.1	AT - Meiningen (VKW-ÜN)	CH - Winkeln (NOK)	220	776	R1	2592									498	201	1893	
142.1.1	AT - Westtirol (Verbund-APG)	CH - Pradella (EGL Grid)	380	1340	R1	5624							4509				1115	
142.2.1	AT - Westtirol (Verbund-APG)	CH - Pradella (EGL Grid)	380	1340	R1	6953							5774				1179	
151.1.1	ES - Hernani (REE)	FR - Argia (RTE)	380	1136	R1	511				511								
151.2.1	ES - Irún (REE)	FR - Errondenia (RTE)	132	59	R1, R9	32305			15267	11097								5941
151.3.1	ES - Arkale (REE)	FR - Argia (RTE)	220	340	R1	516					516							
151.4.1	ES - Biescas (REE)	FR - Pragnères (RTE)	220	247	R1, R2	2656								2019		637		
152.1.1	ES - Benós (REE)	FR - Lac d'Oo (RTE)	110	76	R1, R2	16548						16117					431	
153.1.1	ES - Vic (REE)	FR - Baixas (RTE)	380	1105	R1	4900			4900									
161.1.1	DE - Flensburg (E.ON Netz)	DK_W - Ensted (Energinet.dk)	220	332	R1, R9	30613		494				5291			16819	8009		
161.2.1	DE - Flensburg (E.ON Netz)	DK_W - Kassø (Energinet.dk)	220	332	R1, R10	12598			53			3400			9145			
161.3.1	DE - Audorf (E.ON Netz)	DK_W - Kassø (Energinet.dk)	380	1382	R1, R2	12473				3394					9079			
162.1.1	DE - Bentwisch (VE Transmission)	DK_E - Bjæverskov (Energinet.dk)	400	600	R2, R9, R10	640	300	243								97		
163.1.1	DK_W - Tjele (Energinet.dk)	NO - Kristiansand (Stanett)	150		R1, R2, R8	9279	5512	1711							2056			
163.1.2	DK_W - Tjele (Energinet.dk)	NO - Kristiansand (Stanett)	150		R1, R10	2076				20					2056			
164.1.1	DK_W - Tjele (Energinet.dk)	NO - Kristiansand (Stanett)	300		R4, R5, R6	218912	44		93		5855	43200	44640	44640	43200	37240		
165.1.1	DK_W - Vester Hassing (Energinet.dk)	SE - Stenkullen (Svenska Kraftnet)	130		R2 - R8	35796	1169	979	51	163	2180	139	11	46	78	11675	16140	3165
166.1.1	DK_W - Vester Hassing (Energinet.dk)	SE - Lindome (Svenska Kraftnet)	130		R5, R9, R10	20968		2649	14905		2380				293	261	360	120
171.1.1	AT - Bisamberg (Verbund-APG)	CZ - Sokolnice (CEPS)	220	269	R1	6245			218		6027							
171.2.1	AT - Bisamberg (Verbund-APG)	CZ - Sokolnice (CEPS)	220	269	R1, R7	6396				239	6007				150			
172.1.1	AT - Dürnrohr (Verbund-APG)	CZ - Slavetice (CEPS)	380	1711	R1	36331							36331					
181.1.1	AT - Obersielach (Verbund-APG)	SI - Podlog (ELES)	220	351	R1	15120				13918			547		288			367
182.1.1	AT - Kainachtal (Verbund-APG)	SI - Maribor (ELES)	380	1514	R1	5572						4772	800					
182.2.1	AT - Kainachtal (Verbund-APG)	SI - Maribor (ELES)	380	1514	R1	7306						6798	508					
191.4.1	DE - Bauler (RWE Transportnetz Strom)	LU - Flebour (CEGEDEL Net SA)	220	490	R1, R10	8155				443	7712							
191.4.2	DE - Bauler (RWE Transportnetz Strom)	LU - Roost (CEGEDEL Net SA)	220	490	R1	3455						3281	174					
192.1.1	DE - Trier (RWE Transportnetz Strom)	LU - Heisdorf (CEGEDEL Net SA)	220	490	R1, R7, R10	82531	428	395	68			2775	7039	4704	14210	44640	8272	
192.2.1	LU - Heisdorf (CEGEDEL Net SA)	DE - Quint (RWE Transportnetz Strom)	220	490	R1	69057		245				4920	5216	15753	19902		19668	3353
201.1.1	IT - Redipuglia (Terna)	SI - Divaca (ELES)	380	1712	R1	15000								15000				
201.2.1	SI - Divaca (ELES)	IT - Padriciano (Terna)	220	330	R1, R4, R9	26228			24639					1584		5		
205.1.1	IT - Galatina (Terna)	GR - Arachthos (HTSO)	380	500	R1, R4, R6	30602			399	600	12322	17215					66	
211.1.1	HU - Györ (MAVIR)	AT - Wien Süd-Ost (Verbund-APG)	220	305	R1	44423					4099	16306			1060		22590	368
211.1.2	AT - Neusiedl (Verbund-APG)	HU - Györ (MAVIR)	220	305	R1	37114						13933	654				22527	
212.1.1	AT - Wien Süd-Ost (Verbund-APG)	HU - Györ (MAVIR)	380	1514	R1	19739					12550	4766		2423				
221.1.1	FR - Mandarins (RTE)	GB - Sellindge (National Grid)	270		R1, R2, R10	10587			505				300	933	8249		600	
221.2.1	FR - Mandarins (RTE)	GB - Sellindge (National Grid)	270		R1, R6, R9	17478	3135					8853	3426	900	69	480	615	
232.1.1	ES - Aldeadávila (REE)	PT - Bemposta (REN)	220	268	R1, R9	436										220	216	
232.2.1	PT - Pocinho (REN)	ES - Aldeadávila (REE)	220	268	R1	1900						1900						
232.3.1	ES - Saucelle (REE)	PT - Pocinho (REN)	220	268	R1	3571								3571				
233.1.1	ES - Cedillo (REE)	PT - Falagueira (REN)	380	707	R1	440								440				
234.1.1	ES - Cartelle (REE)	PT - Alto Lindoso (REN)	380	1036	R1	28086								27987				99
234.1.2	ES - Cartelle (REE)	PT - Alto Lindoso (REN)	380	1360	R1	27983								27983				
235.1.1	ES - Balboa (REE)	PT - Alqueva (REN)			R1, R9	11065			9266						1799			
241.1.1	GR - Thessaloniki (HTSO)	MK - Dubrovo (MEPSO)	380	1300	R1	17752									9659	8093		
242.1.1	GR - Amyndeo (HTSO)	MK - Bitola (MEPSO)	150	120	R1, R9	18130			300				21		9659	8150		
261.1.1	CS - Djerdap (EMS)	RO - Portile de Fier (TRANSELECTRICA)	380	1264	R1, R4, R5	16206	60					14		3420			5605	7107
261.2.1	RO - Guravai (TRANSELECTRICA)	CS - Sip (EMS)	110	90	R1	480								480				
271.1.1	CS - Niš (EMS)	BG - Sofija Zapad (NEK)	380	1264	R1, R5	19884						27		11616	8241			
275.2.1	RO - Isaccea (TRANSELECTRICA)	BG - Dobrudja (NEK)			R1	25018								11159	13859			
276.1.1	RO - Isalnita (TRANSELECTRICA)	BG - Kozlodui (NEK)	220	360	R1	2640							2640					
277.1.1	RO - Tântareni (TRANSELECTRICA)	BG - Kozlodui (NEK)	400	1450	R1	12300						10440			1860			
277.1.2	RO - Tântareni (TRANSELECTRICA)	BG - Kozlodui (NEK)	400	1450	R1	25979						5459	18480		2040			
281.1.1	CS - Podgorica (EP CG)	AL - Vau i Dejës (KESH)	220	311	R1, R5	1914	176		884	44			96	128	38		548	
282.1.1	CS - Prizren (EMS)	AL - Fierza (KESH)	220	311	R1,R2,R5,R10	52562		305	110	597		10722		40491			96	241
291.1.1	AL - Elbassan (KESH)	GR - Kardia (HTSO)	400	1300	R1	6485				6485								
301.1.1	BG - Blagoevgrad (NEK)	GR - Thessaloniki (HTSO)	400	1300	R1, R8	18359		67			18292							
321.1.1	CZ - Hradec Zapad (CEPS)	DE - Etzenricht (E.ON Netz)	400	1639	R1	6300								6300				
321.1.2	CZ - Prestice (CEPS)	DE - Etzenricht (E.ON Netz)	380	1645	R1, R9	6241				6193	48							
322.1.1	CZ - Hradec Vychod (CEPS)	DE - Röhrsdorf (VE Transmission)	380	1476	R1, R9, R10	8255		1600	1697	3460	14					514	970	
322.1.2	CZ - Hradec Vychod (CEPS)	DE - Röhrsdorf (VE Transmission)	380	1476	R1, R7, R10	8279		1968	552	3945						514	1300	
331.1.1	CS - Subotica 3 (EMS)	HU - Sándorfalva (MAVIR)	380	1246	R2	102		102										
351.1.1	HR - Melina (HEP)	SI - Divaca (ELES)	380	1264	R1, R2, R9	7961			112	70	7749						30	
351.2.1	HR - Pehlin (HEP)	SI - Divaca (ELES)	220	366	R8	3											3	
351.4.1	HR - Matulji (HEP)	SI - Ilirska Bistrica (ELES)	110	53	R9	9			9									
352.1.1	SI - Krško (ELES)	HR - Tumbri (HEP)	380	1316	R9	1350										1350		
352.2.1	SI - Cirkovce (ELES)	HR - Mraclin (HEP)	220	297	R9	360	360											
361.1.1	HR - Konjsko (HEP)	BA - Mostar (NOS BiH)	400	1316	R9	8779	5176	3603										

Reasons: R1 - Maintenance, R2 - Repair, R3 - New construction, R4 - Overload (also calculated), R5 - False operation, R6 - Failure in prodection device or other element, R7 - Outside impacts (animals, trees, fire, avalance,...), R8 - Very exceptional conditions (weather, natural disaster,...), R9 - Other reasons, R10 - Unknown reasons

T9a Unavailability of international tie lines - Overview

Circuit ID	From substation	To substation	Voltage [kV]	Thermal conventional transmission capacity [MVA]	Major Reason	Time whole year [min]	January [min]	February [min]	March [min]	April [min]	May [min]	June [min]	July [min]	August [min]	September [min]	October [min]	November [min]	December [min]
361.2.1	BA - Mostar (NOS BiH)	HR - Zakucac (HEP)	220	311	R2, R4, R9	17239	2	2677	14560									
362.2.1	BA - Prijedor (NOS BiH)	HR - Meduric (HEP)	220	297	R1, R9, R10	914	274	283	357									
363.3.1	BA - Capljina (NOS BiH)	HR - Opuzen (HEP)	110	84	R8	27		27										
363.4.1	BA - Neum (NOS BiH)	HR - Opuzen (HEP)	110	84	R8	4		4										
363.5.1	BA - Neum (NOS BiH)	HR - Ston (HEP)	110	76	R1	280			280									
363.6.1	BA - Trebinje (NOS BiH)	HR - Komolac (HEP)	110	84	R2, R8, R9	2886		2886										
364.3.1	BA - Tuzla (NOS BiH)	HR - Đakovo (HEP)	220	229	R9	25			25									
364.5.1	BA - Orasje (NOS BiH)	HR - Zupanja (HEP)	110	76	R2	238			238									
371.2.1	HR - Nijemci (HEP)	CS - Šid (EMS)	110	76	R9	20	20											
371.3.1	HR - Beli Manastir (HEP)	CS - Apatin (EMS)	110	78	R1, R2	606	550		56									
381.1.1	CS - Podgorica (EP CG)	BA - Trebinje (NOS BiH)	380	1264	R1, R2, R5	5921	44	153	226	8			5461	5	24			
381.2.1	CS - Perucica (EP CG)	BA - Trebinje (NOS BiH)	220	311	R1, R5, R7	13563		811			48	9712	1361	931	249	7	444	
381.3.1	CS - Herceg Novi (EP CG)	BA - Trebinje (NOS BiH)	110	90	R1, R2, R5	23646	3090			12774	1193	1729	731	141	1645	197	478	1668
381.4.1	CS - Vilusi (EP CG)	BA - Bileca (NOS BiH)	110	84	R1, R2, R5	2940						1071	877	361	16	610	5	
382.1.1	CS - Piva (EP CG)	BA - Sarajevo 20 (NOS BiH)	220	366	R1, R5, R9	34645						601	1644	2066	1354	554		28426
383.1.1	CS - Požega (EMS)	BA - Višegrad (NOS BiH)	220	311	R2	187												187
383.3.1	CS - HE Zvornik (EMS)	BA - Zvornik (NOS BiH)	110	123	R1, R2	3961						3961						
383.4.1	CS - Potpec (EMS)	BA - Višegrad (NOS BiH)	110	123	R2	482							482					
391.1.1	CS - Kosovo A (EMS)	MK - Skopje 1 (MEPSO)	220	311	R9, R10	525600	44640	40320	44640	43200	44640	43200	44640	44640	43200	44640	43200	44640
391.2.1	CS - Kosovo A (EMS)	MK - Skopje 1 (MEPSO)	220	311	R9, R10	525600	44640	40320	44640	43200	44640	43200	44640	44640	43200	44640	43200	44640
391.3.1	CS - Kosovo B (EMS)	MK - Skopje 4 (MEPSO)	380	1264	R1, R6	9829				39			455			9335		
401.1.1	DE - Herrenwyk (E.ON Netz)	SE - Kruseberg (Sydkraft/Vattenfall)	450	600	R1, R4-R7	11125			156			167		2327	6406		1512	557
404.1.1	CZ - Nošovice (CEPS)	SK - Varin (SEPS)	400	1465	R1,R2,R6,R9	30159	1850	3			15480	12452			133		72	169
410.1.1	CZ - Lieskovec (CEPS)	SK - Pov. Bystrica (SEPS)	220	269	R1, R8	16297	28								6039	10230		
420.1.1	CZ - Sokolnice (CEPS)	SK - Senica (SEPS)	220	318	R1, R9	51517			25364	24118					2035			
424.1.1	CZ - Sokolnice (CEPS)	SK - Krizovany (SEPS)	400	1503	R1, R2, R9	17480		631		1899							14950	
430.1.1	CZ - Sokolnice (CEPS)	SK - Stupava (SEPS)	400	1711	R1, R2	19312					397		116		5293	13506		
440.1.1	SK - V.Kapusany (CEPS)	UA_W - Mukacevo (NPC Ukrenergo)	400	1186	R1, R2, R10	12947				6393			13			6541		
443.1.1	CZ - Albrechtice (CEPS)	PL - Dobrzen (PSE Operator SA)	400	1212	R1, R2, R3	5741	90				616			5035				
444.1.1	CZ - Nošovice (CEPS)	PL - Wielopole (PSE Operator SA)	400	1212	R1, R2	1162						705			457			
450.1.1	CZ - Lieskovec (CEPS)	PL - Kopanina (PSE Operator SA)	220	400	R1	2224					1716				508			
460.1.1	CZ - Lieskovec (CEPS)	PL - Bujaków (PSE Operator SA)	220	400	R1, R2	3506						2195	1311					
501.1.1	DE - Vierraden (VE Transmission)	PL - Krajnik (PSE Operator SA)	220	392	R1, R2	7187		278						4710			1814	385
501.1.2	DE - Vierraden (VE Transmission)	PL - Krajnik (PSE Operator SA)	220	392	R1, R10	5771										3560		2211
502.1.1	DE - Hagenwerder (VE Transmission)	PL - Mikulowa (PSE Operator SA)	380	1427	R1	2739				2739								
502.1.2	DE - Hagenwerder (VE Transmission)	PL - Mikulowa (PSE Operator SA)	380	1427	R1, R2	3980				2537	403					1040		
601.1.1	ES - Pinar del Rey (REE)	MA - Melloussa (ONE)	380	730	R1	6483		541					249	1695	673	360	2153	812
700.1.1	PL - Krosno Iskrzynia (PSE SA)	SK - Lemešany (SEPS)	400	1434	R1, R2	38705	502							38203				
700.1.2	PL - Krosno Iskrzynia (PSE SA)	SK - Lemešany (SEPS)	400	1434	R1, R2	38721	519							38202				
702.1.1	PL - Zamosc (PSE Operator SA)	UA_W - Dobrotwor (NPC Ukrenergo)	220	168	R1, R9	19482				4311	5160	2870			5713			1428
704.1.1	PL - Slupsk (PSE Operator SA)	SE - Stärno (SvK)	450	600	R1,R2,R8,R9	53602		2937	27				40	24113	6294		17774	2417
710.1.1	HU - Györ (MAVIR)	SK - Gabcikova (SEPS)	400	1246	R1, R2, R10	43357				16187				293	20869	6008		
711.1.1	SK - Levice (SEPS)	HU - Göd (MAVIR)	400	1246	R1	12055								11875			180	
720.1.1	HU - Albertirsa (MAVIR)	UA_W - Zahidno Ukrainska (NPC Ukrenergo)	750	4000	R1, R9	52947						8331	44190	426				
721.1.1	HU - Sajószöged (MAVIR)	UA_W - Mukacevo (NPC Ukrenergo)	400	1635	R1	26985						26610						375
722.1.1	HU - Kisvarda (MAVIR)	UA_W - Mukacevo (NPC Ukrenergo)	220	275	R1	56692									16904	39788		
722.1.2	HU - Tiszalök (MAVIR)	UA_W - Mukacevo (NPC Ukrenergo)	220	275	R1	29184					21224	7960						
740.1.1	RO - Rosiori (TRANSELECTRICA)	UA_W - Mukacevo (NPC Ukrenergo)	400	1400	R1	37560	23935	775	3929	2295					6626			
741.1.1	RO - Isaccea (TRANSELECTRICA)	UA_W - Niwnitschnoi Ukr.(NPC Ukrenergo)	750	4000	R1	1320		1320										
750.1.1	RO - Stânca (TRANSELECTRICA)	MD - Costesti (Moldenergo)	110	90	R1	6000								6000				
752.1.1	RO - Husi (TRANSELECTRICA)	MD - Ungheni (Moldenergo)	400	90	R1	4860									4860			
753.1.1	RO - Isaccea (TRANSELECTRICA)	MD - Vulcanesti (Moldenergo)		1700	R1	10104			4044		4860		240				960	

Reasons: R1 - Maintenance, R2 - Repair, R3 - New construction, R4 - Overload (also calculated), R5 - False operation, R6 - Failure in prodection device or other element, R7 - Outside impacts (animals, trees, fire, avalance,...), R8 - Very exceptional conditions (weather, natural disaster,...), R9 - Other reasons, R10 - Unknown reasons

	Circuit length (km)				Transformers 400kV → 220kV	
					in the network	
Country	220 kV	of which cable	400 kV	of which cable	Number	Capacity GVA
AT[1]	3765	5	2474	56	13	10,8
BA	1507	0	766	0	7	3,0
BE	400	0	1324	0	6	2,0
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	4956	20	1780	0	18	10,0
CS	2598	0	1814	0	13	5,2
CZ	1922	0	3421	0	4	2
DE[3]	16300	30	19400	60	91	53,5
ES	16846	110	16458	41	95	52,0
FR	26319	906	21008	3	208	106,0
GR	11029	177	4156	160	45	13,0
HR[2]	1145	0	1159	0	4	2,0
HU	1188	0	2364	0	3	1,5
IT	11387	860	10528	317	51	20,5
LU	236	6	0	0	0	0,0
MK[4]	70	0	397	0	0	0,0
NL	683	6	2003	0	4	2,5
PL	7908	0	4919	245	15	6,8
PT	2854	19	1501	0	7	3,2
RO	4132	0	4630	0	22	9,0
SI[2]	328	0	510	0	3	1,2
SK	962	0	1753	0	3	1,4
UCTE	**116534**	**2139**	**102365**	**882**	**608**	**303,6**
DK_W	39	0	833	14	0	0,0
UA_W	594	0	590[5]	0	6[5]	2,3[5]

[1] Values as of 31 December 2000
[2] Values as of 31 December 2004
[3] Values transformers of power units as of 31 December 2000
[4] Values as of 31 December 2003
[5] Including 330 kV and 750 kV equipment

	Transformers 220kV ➔ < 220kV				Transformers 400kV ➔ < 220kV			
	of power units		in the network		of power units		in the network	
Country	Number	Capacity GVA	Number	Capacity GVA	Number	Capacity GVA	Number	Capacity GVA
AT[1]	64	7,1	67	11,5	3	1,2	13	3,9
BA	15	2,0	15	2,0	3	1,0	7	2,0
BE	3	1,0	24	3,0	14	8,0	27	12,0
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	104	4,5	143	21,3	8	4,3	3	0,6
CS	23	4,6	51	7,7	11	4,9	13	3,8
CZ	5	1,1	20	4,0	33	11,3	42	11,6
DE[3]	111	31,0	394	74,4	100	62,0	211	60,3
ES	0	0,0	0	0,0	0	0,0	57	16,0
FR	232	30,0	798	83,0	103	86,0	55	13,0
GR	90	8,0	414	17,0	17	5,0	0	0,0
HR[2]	7	1,3	21	3,2	2	0,3	7	2,4
HU	0	0,0	26	4,2	0	0,0	24	5,5
IT	112	23,0	153	25,5	120	36,2	216	55,6
LU	11	1,8	19	2,7	0	0,0	0	0,0
MK[4]	0	0,0	4	0,6	2	0,5	7	2,1
NL	9	3,2	25	4,4	6	3,6	35	16,1
PL[2]	58	13,9	113	18,0	25	8,6	36	9,6
PT	61	4,1	64	7,8	19	4,4	16	4,5
RO	45	9,1	91	17,6	13	5,3	22	10,5
SI[2]	0	0,0	15	2,3	0	0,0	5	1,5
SK	8	1,5	13	2,6	20	4,1	19	5,0
UCTE	**953**	**147,2**	**2450**	**312,6**	**466**	**235,4**	**773**	**224,2**
DK_W	0	0,0	2	0,7	4	1,6	18	7,5
UA_W	7	1,8	14	1,9	5[5]	1,3[5]	1[5]	1,0[5]

	AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR	HR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	DK W	UA W
AT					- / 2 / 2		2 / 1	22 / 11 / 3					2 / 1	1 / -							- / 1 / 2			
BA						6 / 3 / 1						11 / 7 / 2												
BE										- / 2 / 3					2 / 2 / -		- / - / 4							
BG	2 / - / 1										- / - / 1					2				- / 1 / 4				
CH								2 / 5 / 7		1 / 5 / 5				1 / 5 / 4										
CS												2 / - / 1	1 / - / 1			- / 2 / 1				3 / - / 1				
CZ								- / - / 4										- / 2 / 2				- / 2 / 3		
DE										- / 2 / 4					- / 8 / -		- / - / 6	- / 2 / 2					1 / 2 / 2	
ES										2 / 2 / 2									1 / 3 / 4					
FR														- / 3 / 3										
GR														- / - / 1		1 / - / 1								
HR													2 / - / 2								3 / 2 / 3			
HU																				- / - / 1		- / - / 2		- / 2 / 2
IT																					- / 1 / 1			
PL																						- / - / 2		
RO																							- / - / 2	
SK																							- / - / 1	

<220 kV
220 kV
380 kV

As of 31.12.2005

T12a Commissioning of new interconnection developments

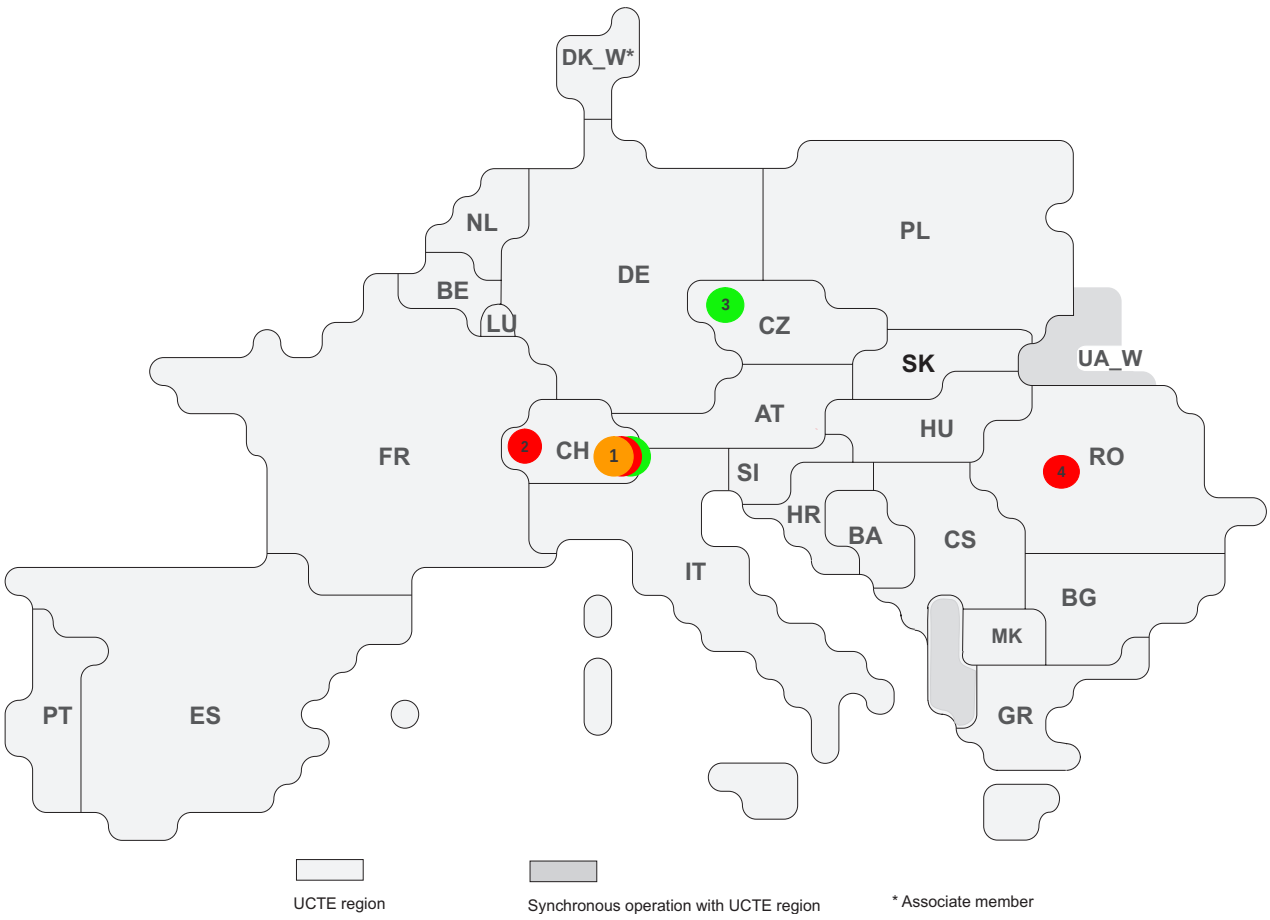
Country	Name of line	Voltage	Main characteristics
BE - FR	Second circuit of the line Avelgem - Avelin	380 kV	Second circuit, 23 km, AC line
IT - CH	San Fiorano - Filisur	380 kV	
	San Fiorano - Robbia	380 kV	
	Gorlago - Sils/Pradella	380 kV	
	Ponte - Airolo/Fiesch	380 kV	
DE - AT	Hauzenberg - Ranna-Passau 147	110 kV	Interconnection between APG power system and E.ON Netz

T12b Main grid developments

Country	Name of line or equipment	Voltage in kV	Main characteristics
BA	Kakanj - Prijedor	220	Single circuit line. This line was damaged during the war.
BE	Koksijde	150/36	Additional transformator
	Zeebrugge	150	GIS station
	Cable Izegem-Oostrozebeke	150	AC cable, 8.1 km
	Aubange	220/150/5	New transformer replacing an existing one
	Second circuit of the Baisy-Thy-Corbais	150	Second circuit, 13.3 km, AC line
	Second circuit of the line Beerst-Koksijde	150	Second circuit, 15 km, AC line
	Awirs	220/70	Additional transformator
CH	"Nufenen" line All' Acqua - Ulrichen	380	AC double circuit line in 220 kV operation. Using this line topological changes have been introduced resulting in the creation on the T-connection: Fiesch/Airola-Ponte and the circuit Mörel-Airolo
CS	Sremska Mitrovica - Ugljevik	380	Single line, AC, 35 km
CZ	Cebin T401	400/110	New 350 MVA transformer
DE	Connection Eula	380	Double circuit, AC, < 1km
	Connection Weida	380	Double circuit, AC, 2km
	Connection Röhrsdorf - Weida	380	Upgrading of an AC-circuit from 220 to 380 kV, 61 km
	Connection Schönewalde	380	Double circuit, AC, < 1km
	Connection Großschwabhausen	380	Single circuit, AC, 4 km
ES	E/S Morella L/Aragón - La Plana	400	0.469 km
	E/S Olmedo L/Muearra - Lastras	400	0.562 km
	E/S La Espulga L/Ascó - Begues	400	2 x 1.46 km
	L Sentmenat - Can Barba 2	400	0.2 km
	E/S La Lora L/Barcina - Herrera	400	0.8 km
	E/S Rubió L/Pierola - Pobla	220	2 x 0.2 km
	E/S Jundiz L/Mercedes - Puentelarrá	220	2 x 0.105 km
	E/S Camino Fregacedos L/Moralja -T Fortuna I	220	2.4 km
	E/S Poligono L/Los Ramos - Tajo	220	2 x 4.35 km
	E/S Aljarafe L/Quintos - Santiponce	220	2 x 0.455 km
	L Cartelle - Frieria	220	18.5 km
	E/S Chantada L/Belesar - Castrelo	220	2 x 2.25 km
	L San Sebastian de los Reyes - AENA	220	3.5 km
	E/S Vilafranca L/Constanti - Viladecans	220	2 x 0.082km
	Substation Espulga	400	
	Substation Lora	400	
	Substation El Cereal	400	
	Substation Torremendo	400	

T12b Main grid developments

Country	Name of line or equipment	Voltage in kV	Main characteristics
ES	Substation Chantada	220	
	Substation Villafranca del Penedés	220	
	Substation Poligono	220	
	Substation Aljarafe	220	
FR	Avelgem - Avelin 2	400	Length of the line: 19.6 km
	Avelgem - Mastaing 1	400	Length of the line: 0.5 km
	Lonny - Mastaing 2	400	Length of the line: 0.5 km
	Cantegrit - Saucats 2	400	Length of the line: 71.9 km
	Cantegrit - Saucats 3	400	Length of the line: 71.8 km
GR	HT s/s Magiko	150	New substation
	HT s/s Sapka	150	New substation
	HT s/s Andros	150	New substation
	EHT s/s Enthes	400	New power plant cc-natural gas
	HT s/s Didyma	150	New substation
	HT s/s Panachaiko	150	New substation
IT	Feroleto - Rizziconi	380	Single line 68 km
	Pian della Speranza - Montaldo	380	Single line 117 km
	Suvereto - Valmontone	380	Single line 270 km
	Altomonte - Feroleto	380	Single line 108 km
	Porto Tolle - Forli	380	
	Ravenna Canale 353 - Forli	380	
	Ravenna Canale 316 - Forli	380	
	Ferrara Focomorto - Ravenna Canale	380	
	Vellai/Soverzene - Lienz	220	Single line 140 km
	Airolo - Fiesch	220	Single line 59 km
	Ottana - Busachi	220	
	Villasor - Busachi	220	
	Ponte - Airola Fiesch	220	
PL	Tarnów - Krosno Iskrzynia	400	New single line
RO	Sibiu Sud Transformer	400/110	250 MVA
SK	Choke coils	10.5	2x45 MVAr new
	Substation Senica	220	Reconstruction
	Line V 273	220	Exchange of wires

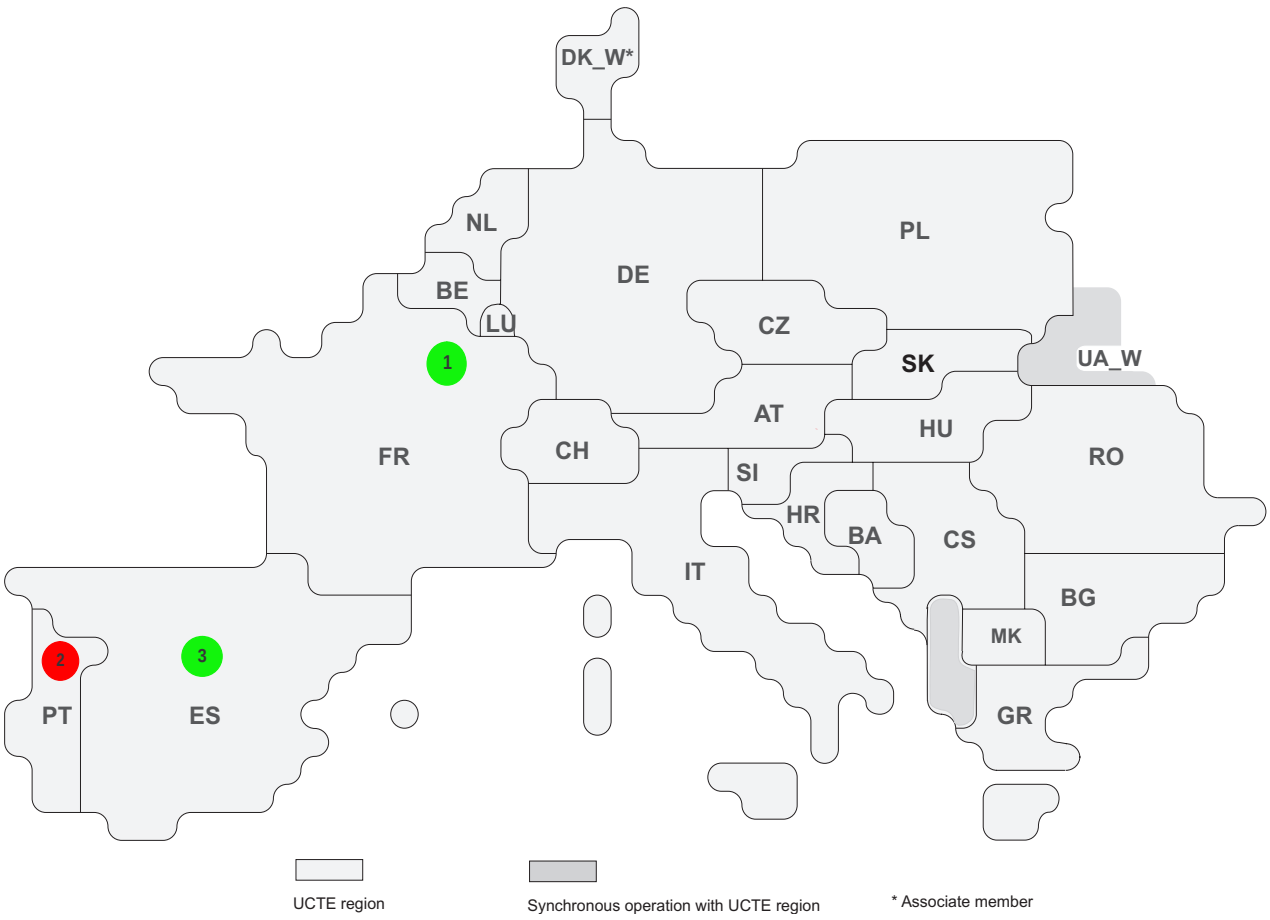


Reasons:

R4	Overload (also calculated brake)	R8	Very exceptional conditions (weather, natural disaster, ...)
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	CH	Banlieue Ouest	R4,R6,R8	300	600	11	2,60
2	CH	Lachmatt	R6	15	40	22	0,13
3	CZ	Nosovice	R8	10	0	3	0,09
4	RO	Hasdat	R6	6	5	7	0,06

[1] (year [in min] * energy not supply) / consumption last 12 months

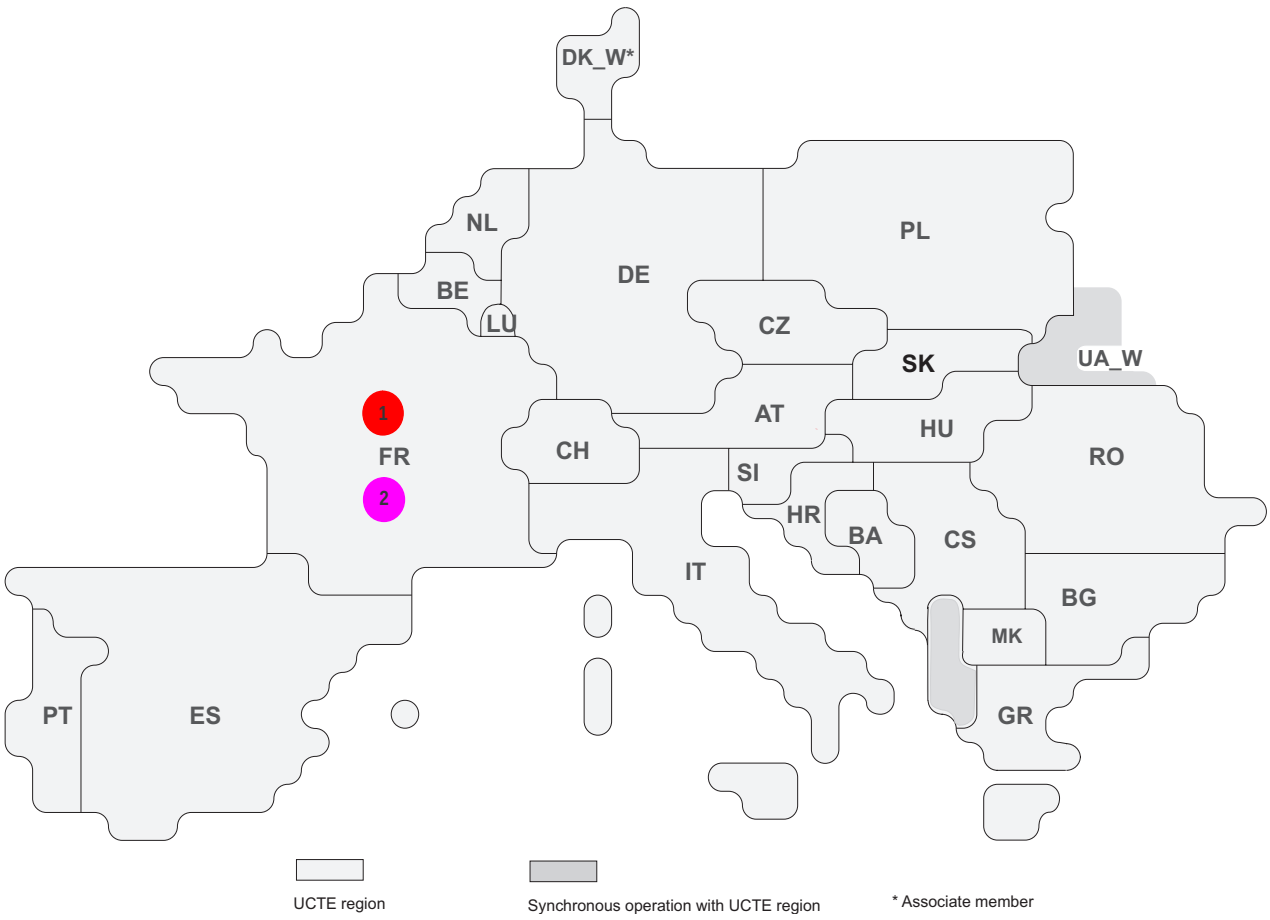


Reasons:

R4	Overload (also calculated brake)	R8	Very exceptional conditions (weather, natural disaster, ...)
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	FR	Grande Synthe	R8	71	54	81	0,08
2	PT	Valdigem	R6	32	0	15	0,35
3	ES	Fuencarral	R7	28	0	60	0,06

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

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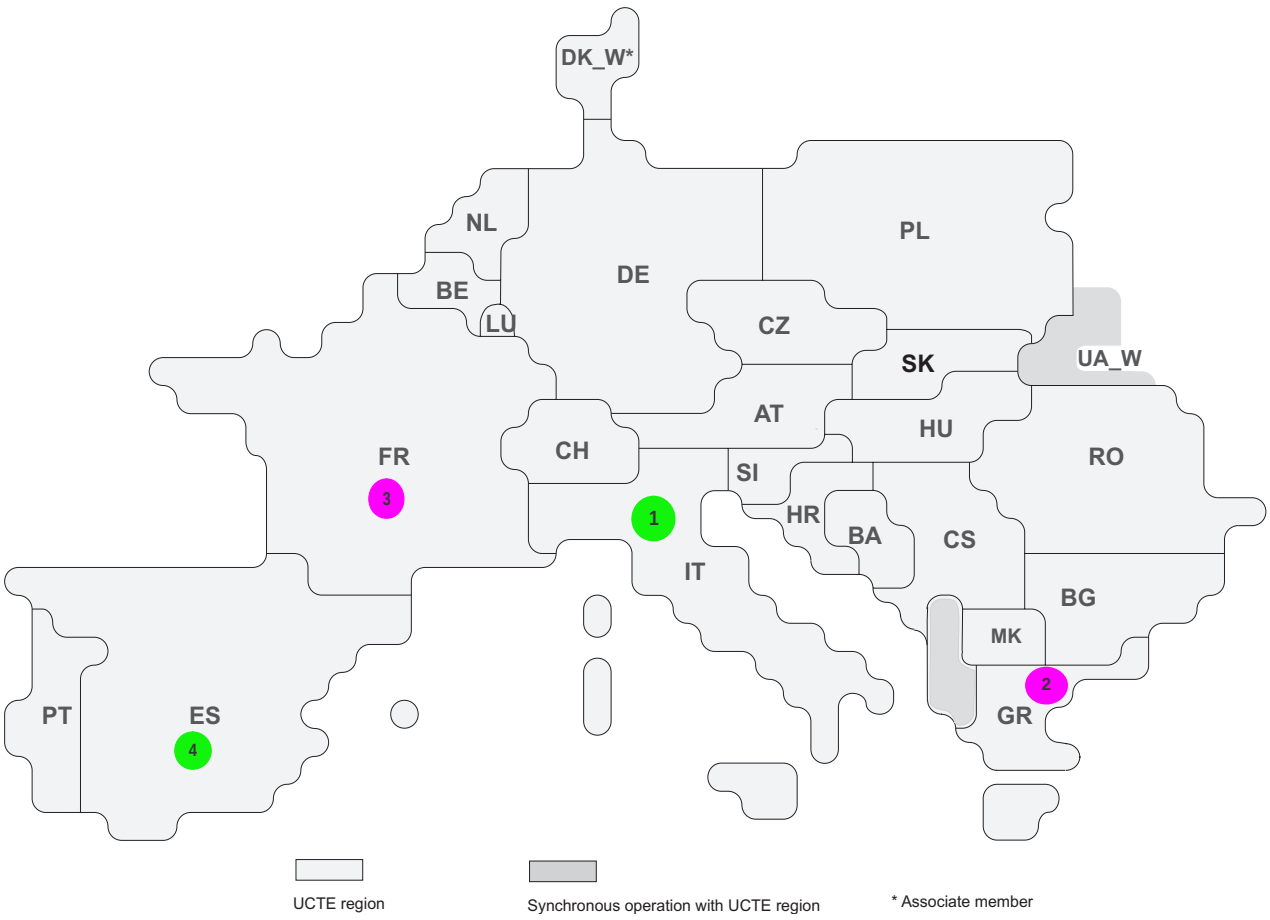
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	FR	Genissiat Poste	R6	16	36	30	0,02
2	FR	Colonie	R9	2	26	4	0,00

[1] (year [in min] * energy not supply) / consumption last 12 months

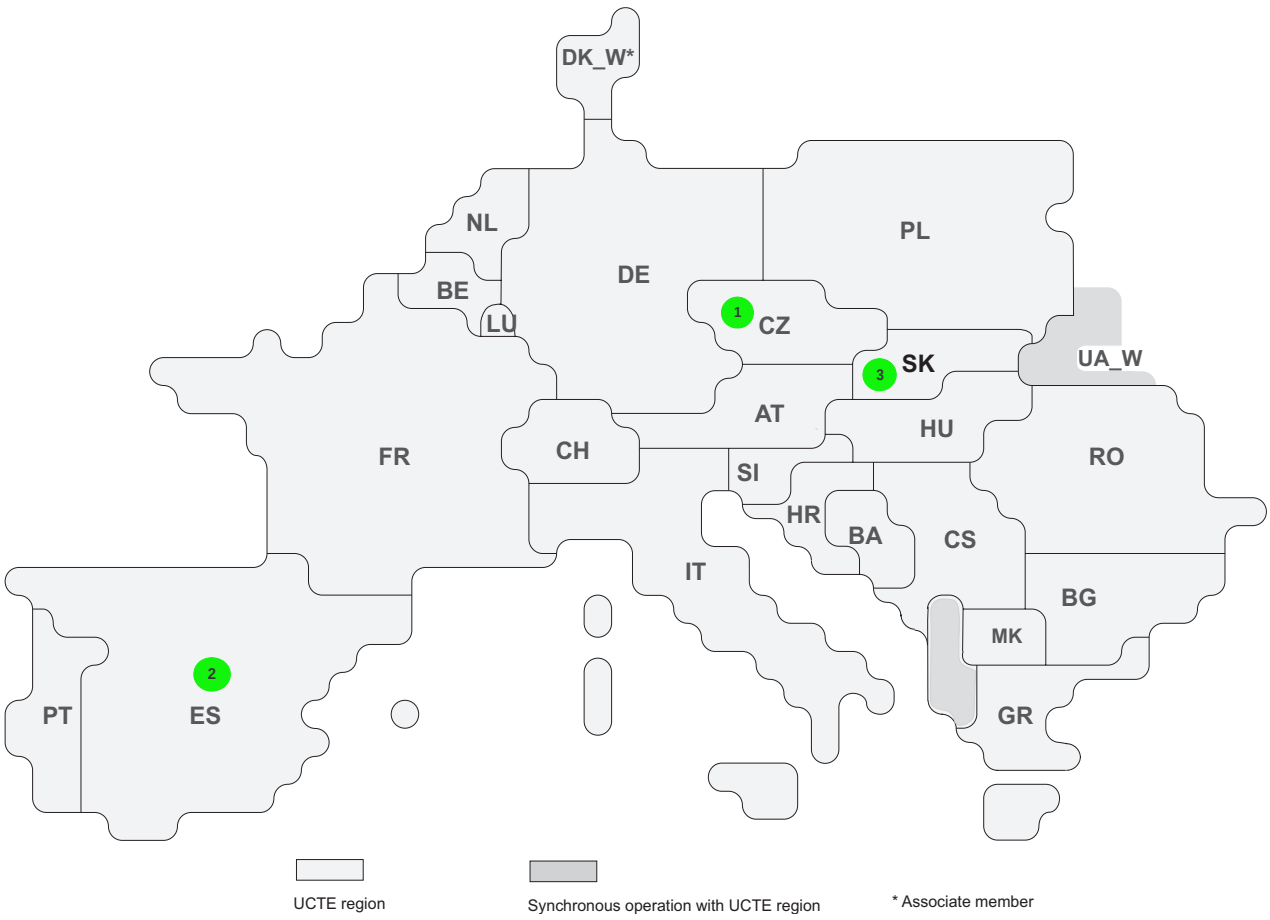


Reasons:

R4	Overload (also calculated brake)	R8	Very exceptional conditions (weather, natural disaster, ...)
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	IT	Roma Nord	R8	50	250	52	0,08
2	GR	Pallini	R10	38	450	5	0,39
3	FR	Chevilly	R9	26	60	125	0,03
4	ES	Compostilla	R7	2	0	9	0,03

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

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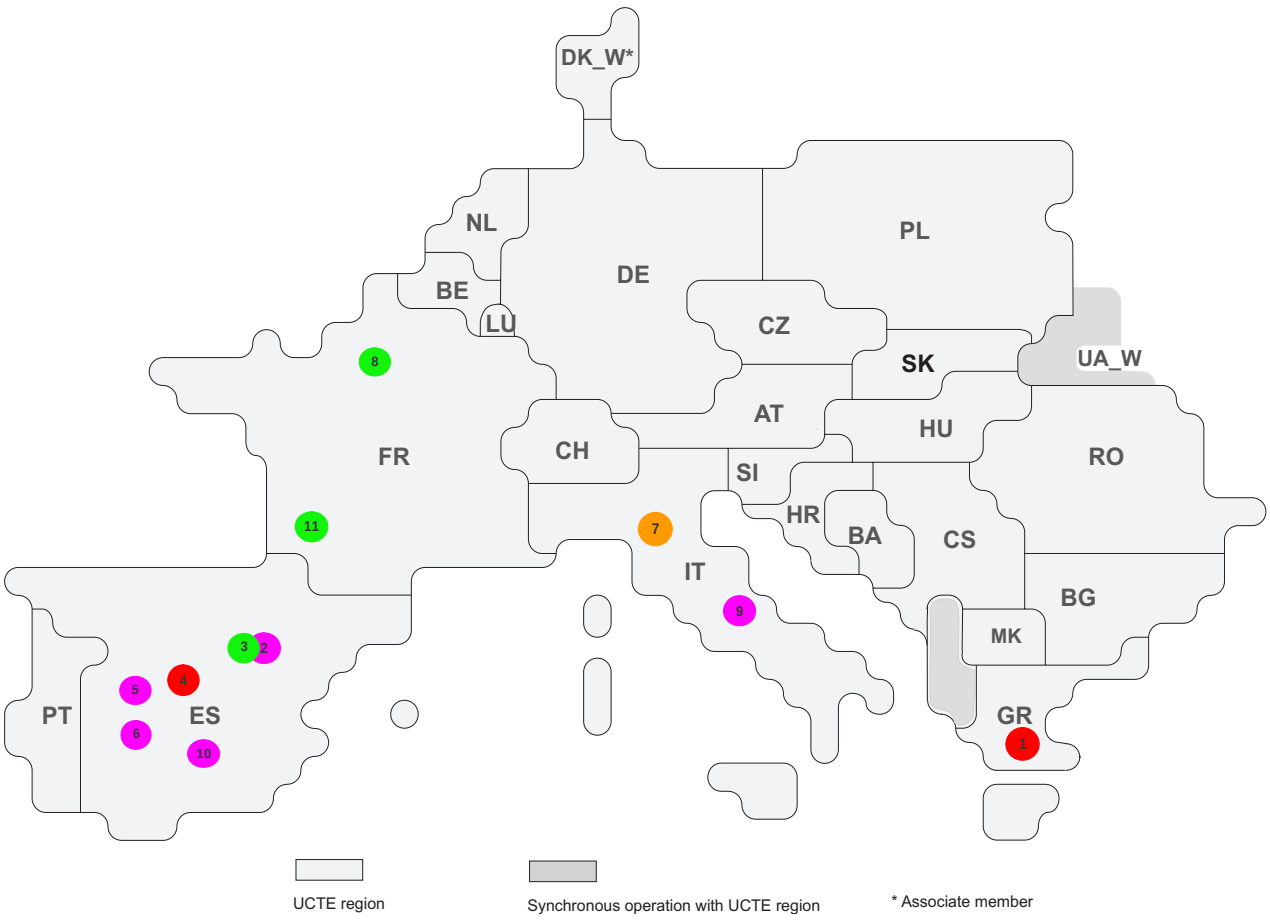
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	CZ	Opocinek	R8	18	0	42	0,15
2	ES	Cacicedo	R7	8	0	6	0,02
3	SK	Levice	R8	4	70	3	0,08

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

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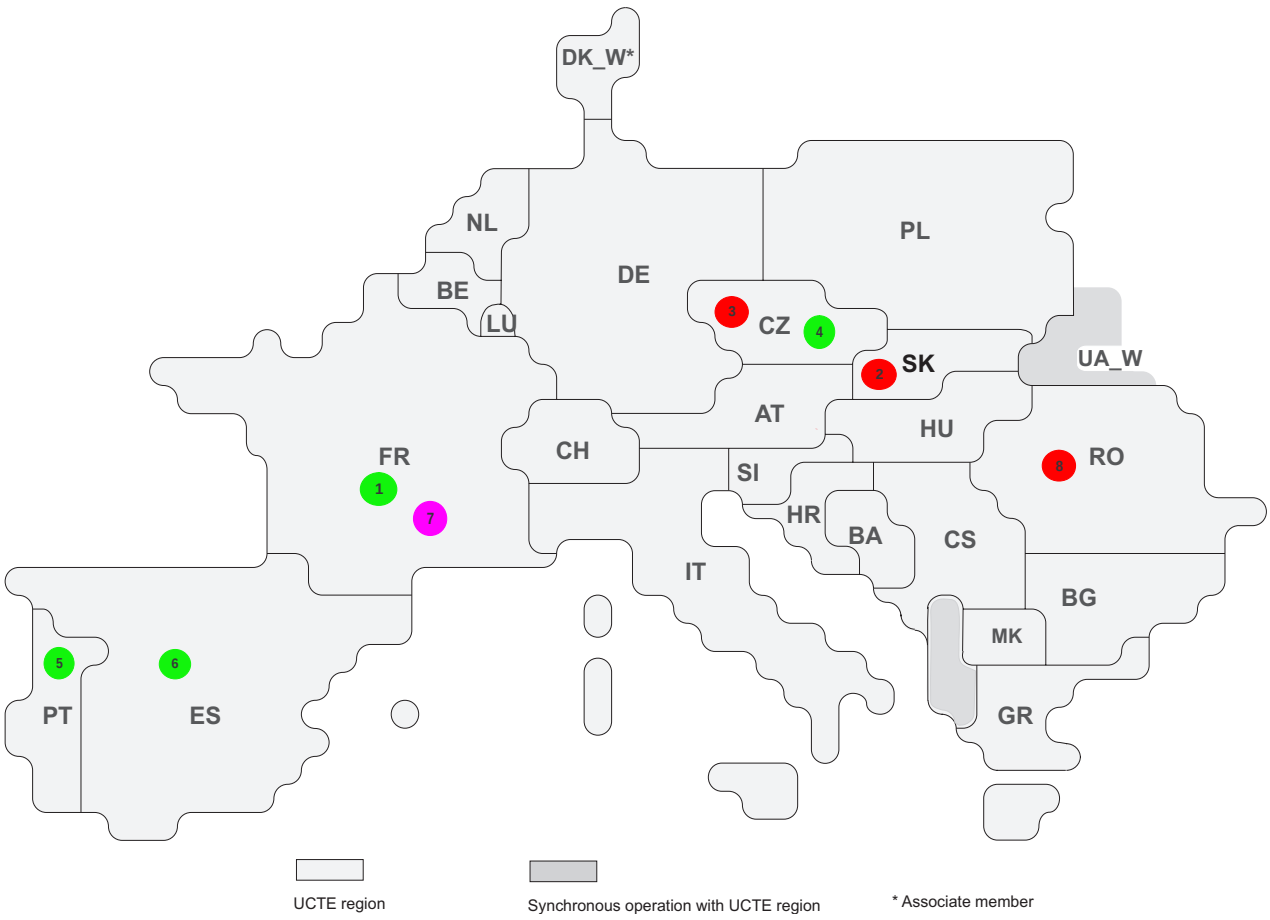
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	GR	Agios Dhmhtrios	R6	8250	550	900	83,16
2	ES	Penagos	R9	250	150	200	0,52
3	ES	Penagos	R7	124	75	100	0,26
4	ES	Dos Hermanas	R6	88	271	28	0,18
5	ES	Alcores	R10	20	0	8	0,08
6	ES	Villaverde	R9	19	135	53	0,04
7	IT	Brindisi	R4	20	69	29	0,03
8	FR	Chesnoy	R8	19	12	247	0,02
9	IT	Salerno	R9	12	57	13	0,02
10	ES	Besos	R10	5	0	7	0,01
11	FR	Hospitalet	R8	5	5	56	0,01

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

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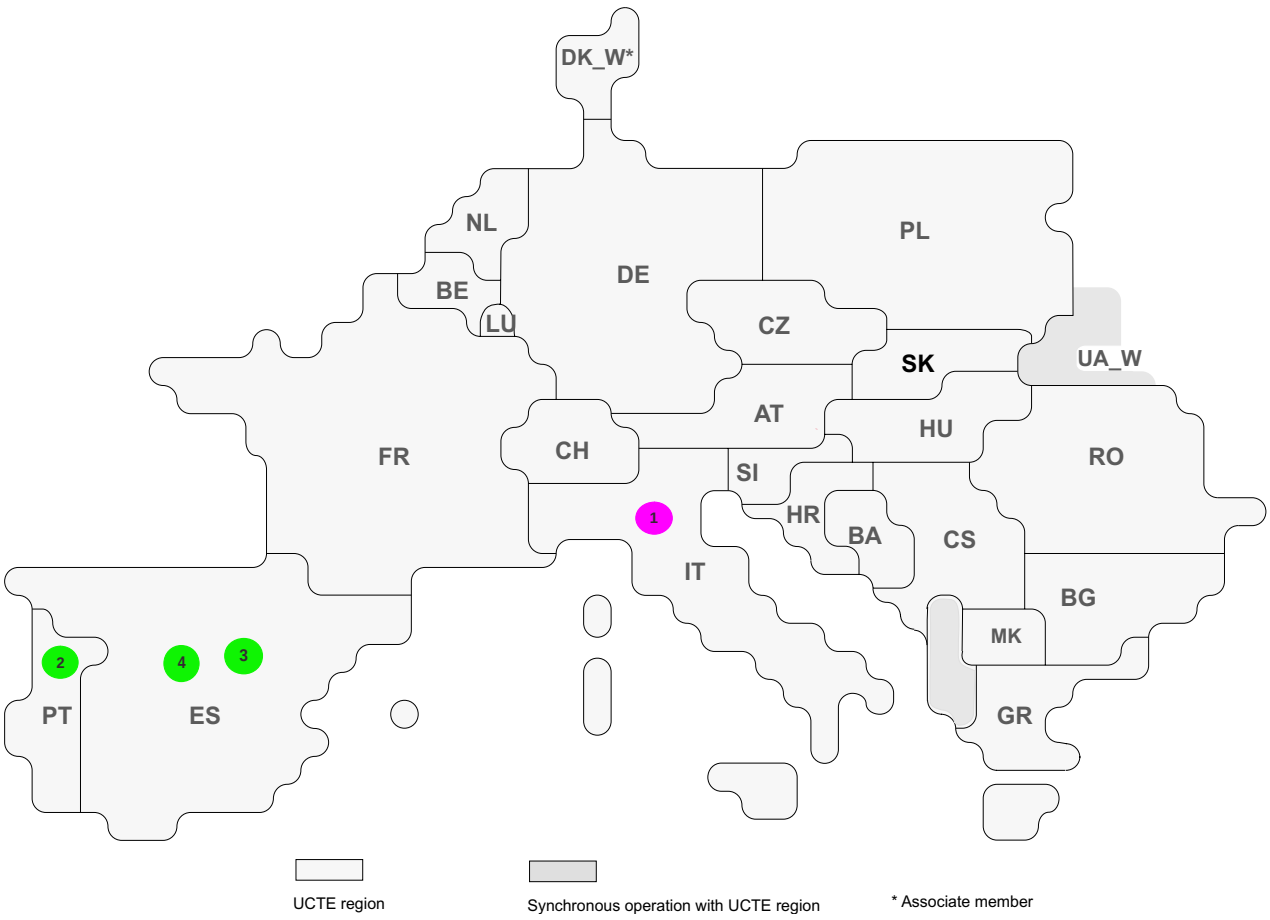
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	FR	Villarodin	R8	36	8	275	0,04
2	SK	Krizovany	R6	33	160	47	0,66
3	CZ	Liskovec	R5	11	71	5	0,09
4	CZ	Vitkov	R8	17	0	10	0,07
5	PT	Mogofores	R7	8	0	7	0,07
6	ES	Compostilla	R7	3	0	16	0,01
7	FR	Neuilly Sur Marne	R9	2	27	4	0,00
8	RO	Cernavoda	R6	0	706	3126	0,00

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

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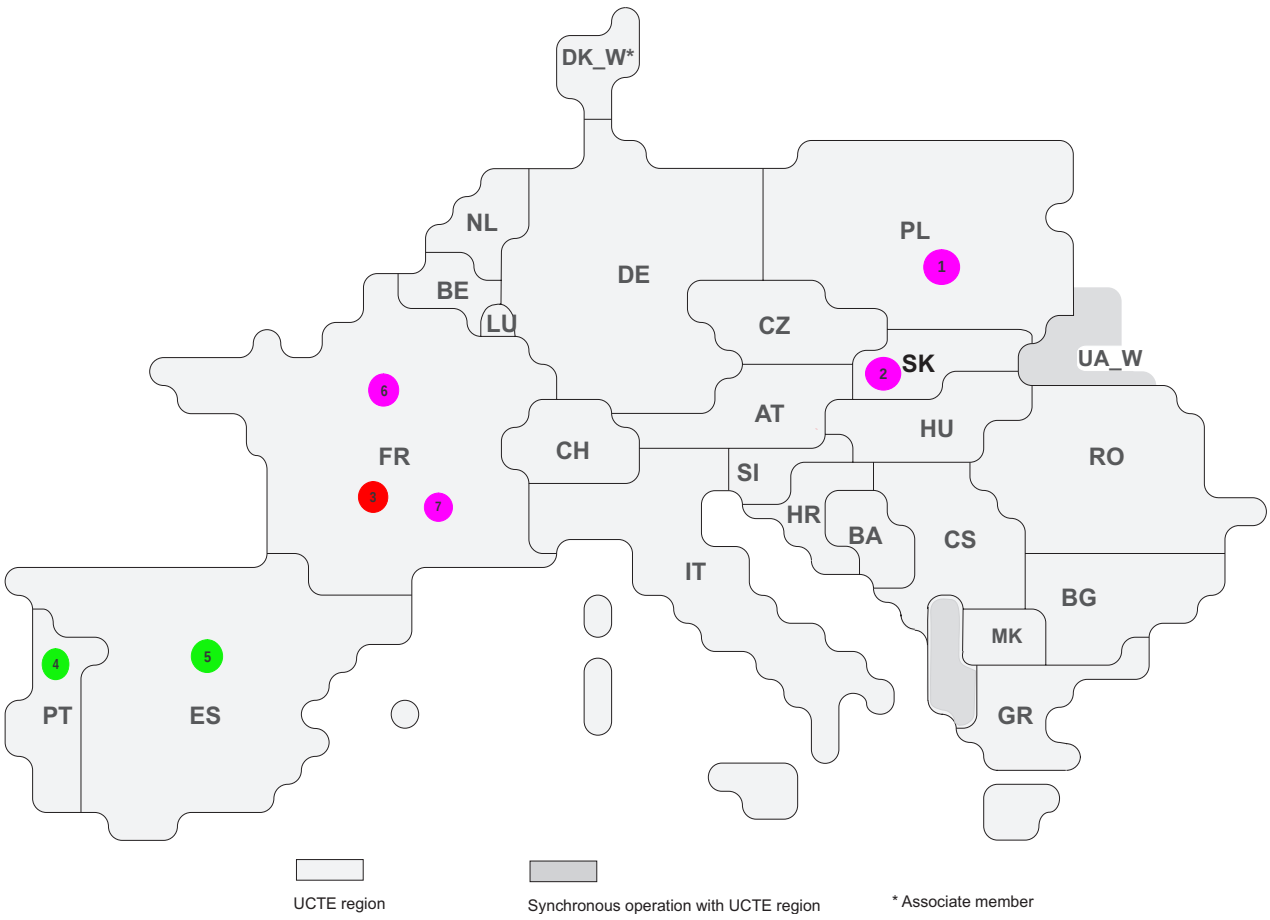
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	IT	Novi Ligure	R9	20	6	197	0,03
2	PT	Mogofores	R7	9	0	9	0,10
3	ES	Casa Campo	R7	5	13	24	0,008
4	ES	Mazarredo	R7	4	10	24	0,006

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

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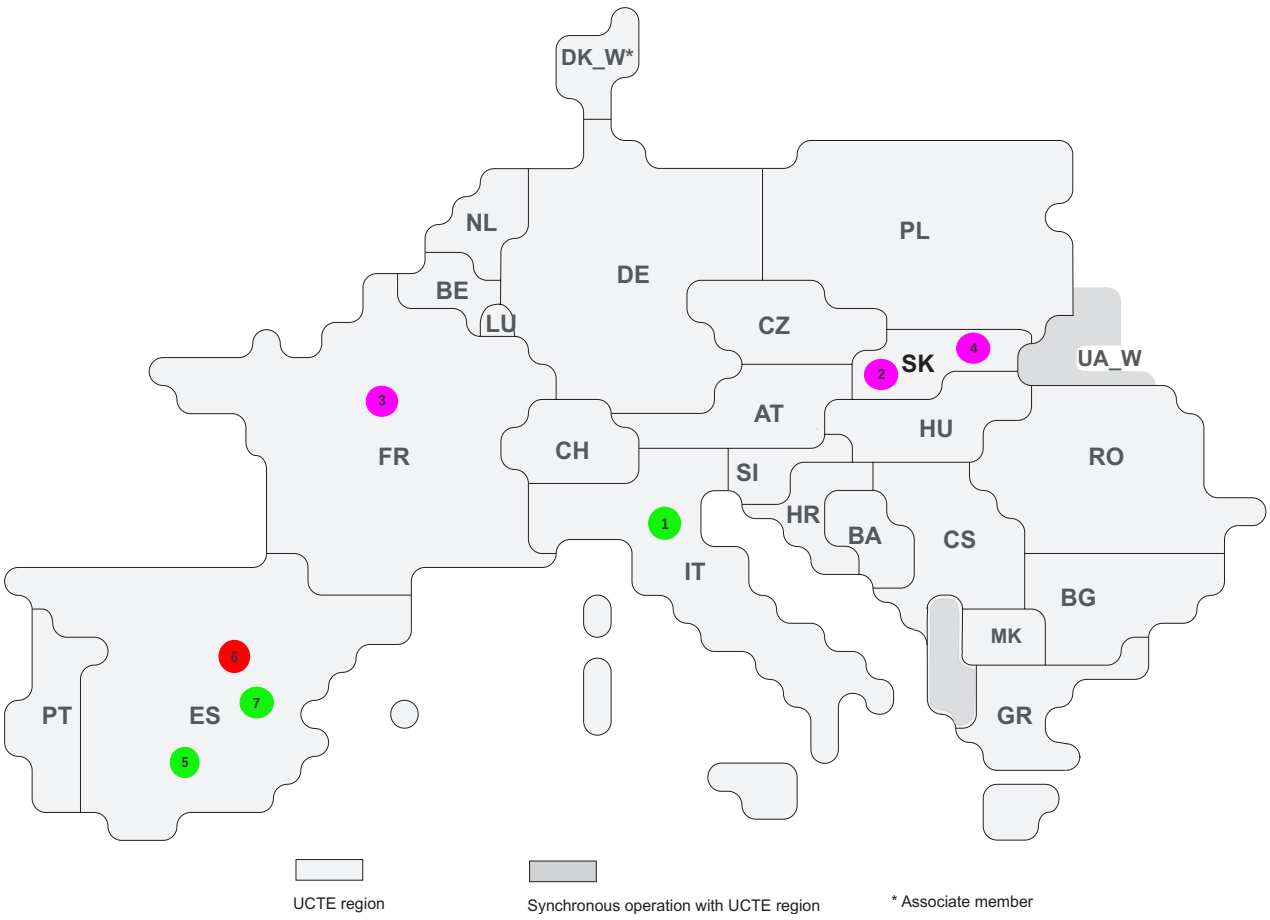
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	PL	Patnow	R10	3490	600	349	14,14
2	SK	Medzibrod	R9	10	95	6	0,20
3	FR	Gien	R5	13	20	40	0,01
4	PT	Ferro	R7	4	0	8	0,06
5	ES	Casares	R8	6	76	5	0,02
6	FR	Roubaix Nord	R9	11	72	18	0,01
7	FR	Cretaine	R9	10	45	13	0,01

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

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R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
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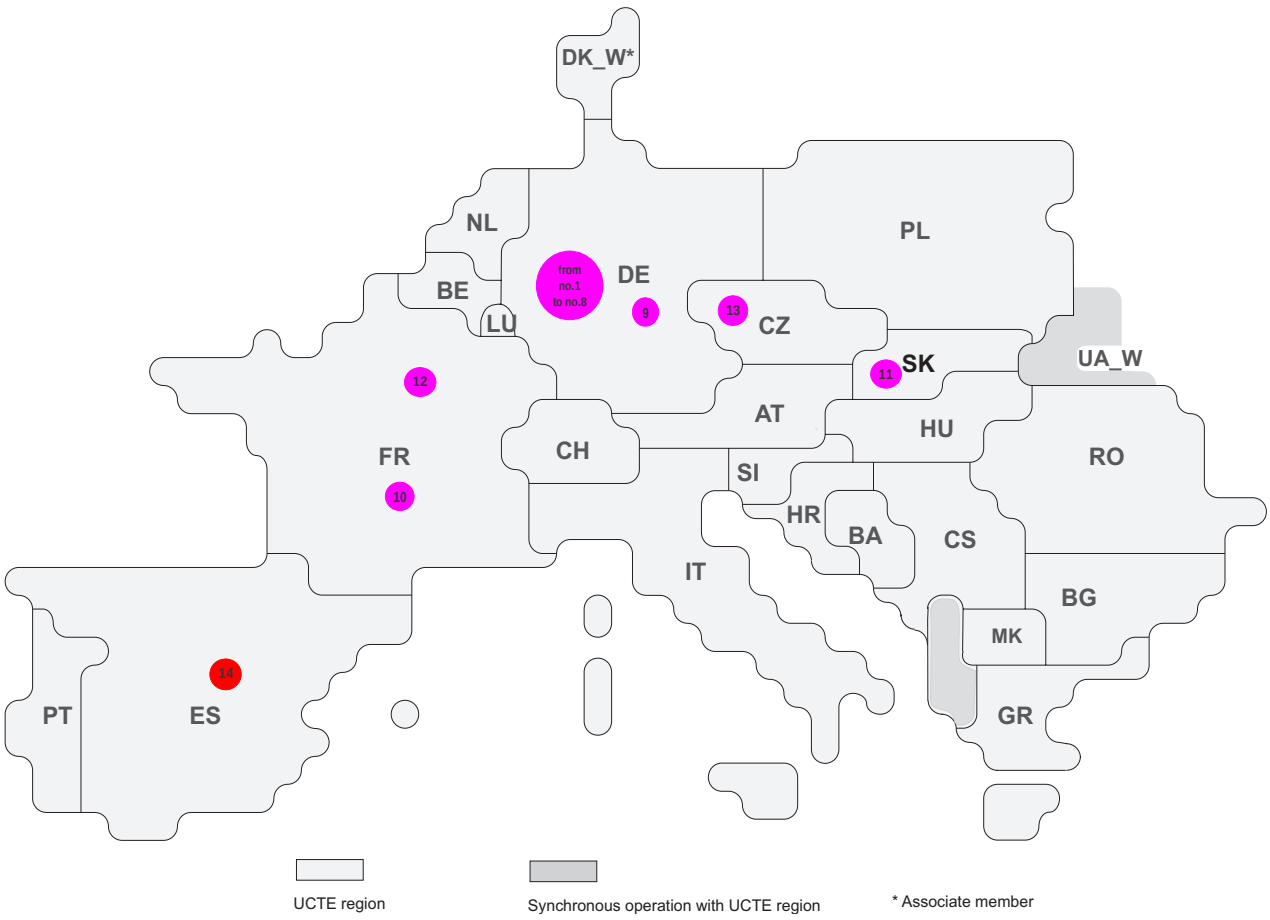
Nbr	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	IT	Misterbianco	R8	43	221	21	0,07
2	SK	H. Zdana	R10	21	257	5	0,42
3	FR	Mouche	R9	9	31	17	0,01
4	SK	S.N.Ves	R10	3	148	1	0,06
5	ES	Aljarafe	R8	27	87	18	0,07
6	ES	Sabón	R6	24	9	25	0,06
7	ES	Foix	R8	10	60	54	0,02

[1] (year [in min] * energy not supply) / consumption last 12 months

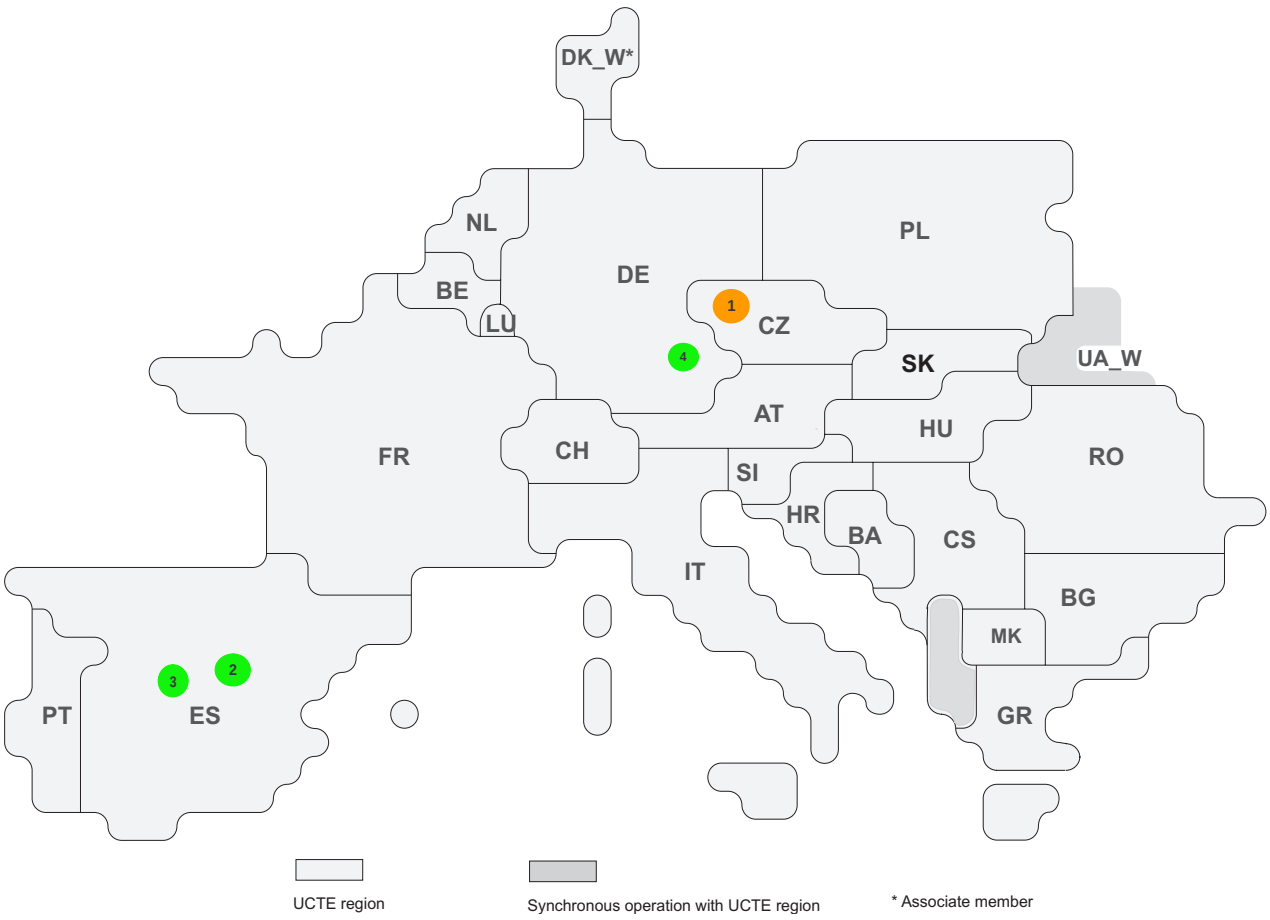


Reasons:

R4	Overload (also calculated brake)	R8	Very exceptional conditions (weather, natural disaster, ...)
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

No	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	DE	Ibbenbüren	R9	9505	705	809	8,98
2	DE	Walsum	R9	702	1080	117	0,66
3	DE	Hesseln	R9	18	220	10	0,02
4	DE	Luestringen	R9	42	500	30	0,04
5	DE	Voerde	R9	216	1290	20	0,20
6	DE	Wehrendorf	R9	25	310	15	0,02
7	DE	Westerkappeln	R9	26	300	10	0,02
8	DE	St.Huelfe	R9	12	140	0	0,01
9	DE	Remptendorf	R9	5564	1435	2676	5,26
10	FR	Cusset Poste	R9	155	87	107	0,17
11	SK	Krizovany	R10	20	150	8	0,40
12	FR	Vénissieux	R9	36	30	71	0,04
13	CZ	Milín	R9	10	0	8	0,09
14	ES	Pinar del Rey	R5	5	4	85	0,01

[1] (year [in min] * energy not supply) / consumption last 12 months



Reasons:

R4	Overload (also calculated brake)	R8	Very exceptional conditions (weather, natural disaster, ...)
R5	False operation		
R6	Failure in protection device or other element	R9	Other reasons
R7	Outside impacts (animals, trees, fire, avalances,...)	R10	Unknown reasons

No	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption[1]
1	CZ	Chrast	R4	5	60	5	0,04
2	ES	Mazarredo	R7	25	36	60	0,01
3	ES	Mequinenza	R8	6	13	30	0,01
4	DE	KHT	R8	0	250	44	0,00

[1] (year [in min] * energy not supply) / consumption last 12 months

Inventory										
	Conventional thermal units								Nuclear thermal units	
Country	10 MW ≤ x < 200 MW		200 MW ≤ x < 400 MW		≥ 400 MW		Total			
	Number	MW	Number	MW	Number	MW	Number	MW	Number	MW
AT [1]	57	2941	9	2796	0	0	66	5737	0	0
BA	9	512	6	1445	0	0	15	1957	0	0
BE [2]	72	3415	11	3366	3	1380	86	8161	7	5802
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	17	282	0	0	0	0	17	282	5	3220
CS	14	1104	15	4056	2	1240	31	6400	0	0
CZ	169	9590	0	0	1	460	170	10050	6	3537
DE [4]	403	23572	66	20178	47	27749	516	71499	18	20200
ES	563	16023	55	18880	15	8899	633	43802	9	7600
FR	268	7037	24	5908	16	9640	308	22585	59	63260
GR	22	2477	18	5124	0	0	40	7601	0	0
HR [3]	24	1137	2	508	0	0	26	1645	0	0
HU	54	2552	14	2918	0	0	68	5470	4	1755
IT	1650	18983	75	24482	30	18885	1755	62350	0	0
LU	0	0	1	385	0	0	1	385	0	0
MK [3]	2	301	3	606	0	0	5	907	0	0
NL	95	3906	19	5783	14	8177	128	17866	1	449
PL	255	12767	63	15409	2	1008	320	29184	0	0
PT	31	1598	16	4888	0	0	47	6486	0	0
RO	100	6662	14	4065	0	0	114	10727	1	655
SI [3]	2	267	1	312	1	676	4	1255	1	670
SK	23	2055	1	214	0	0	24	2269	6	2640
UCTE	**3830**	**117181**	**413**	**121323**	**131**	**78114**	**4374**	**316618**	**117**	**109788**
DK_W	27	822	8	2776	1	626	36	4224	0	0
UA_W	16	2500	0	0	0	0	16	2500	0	0

[1] Values on conventional thermal units as of 31 December 2003
[2] The conventional thermal units include the other renewable units.
[3] Values on conventional thermal units as of 31 December 2004
[4] Values on conventional thermal units as of 31 December 2000

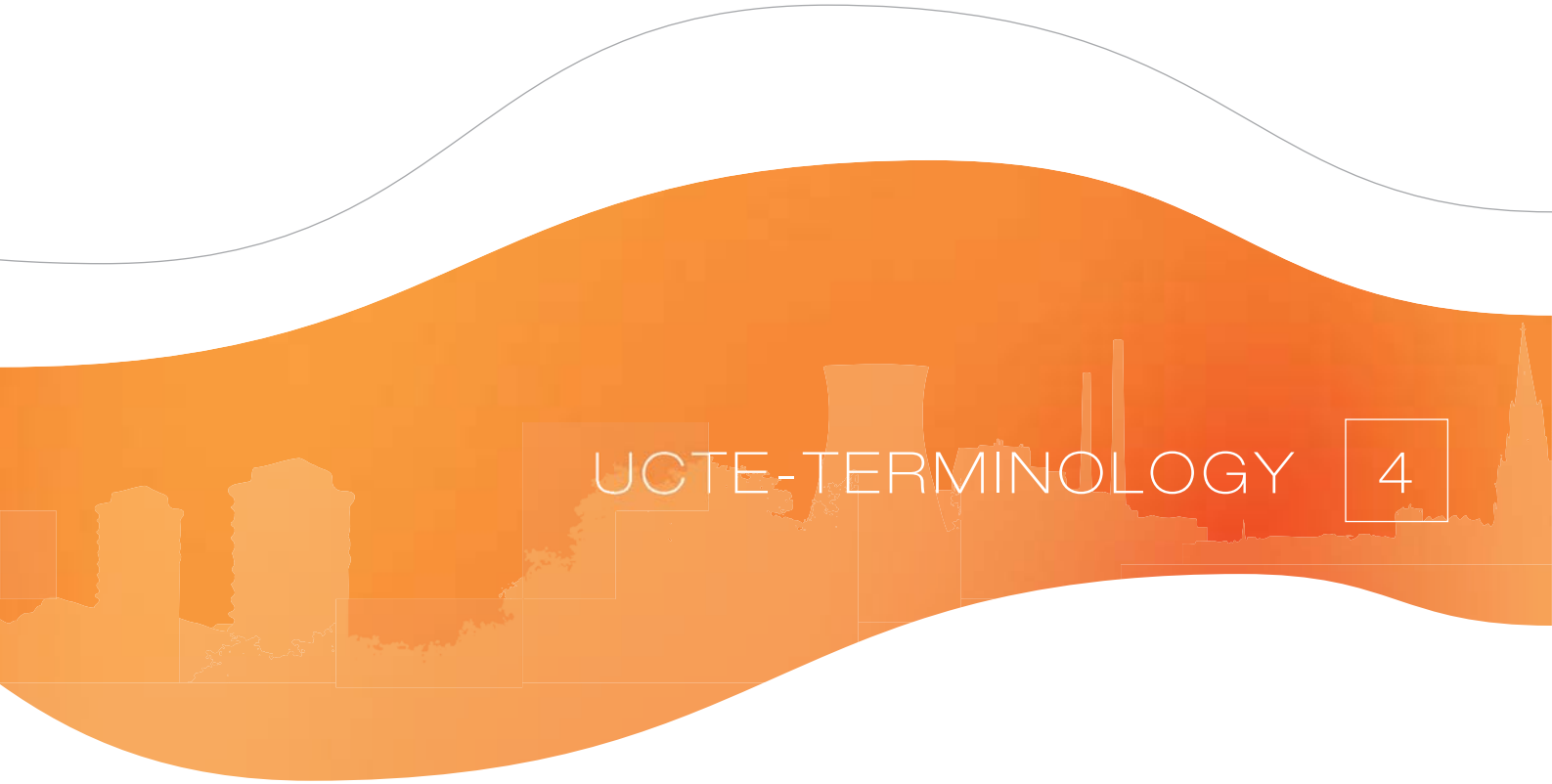
Country	Commissioning				Decommissioning			
	Thermal conventional		Thermal nuclear		Thermal conventional		Thermal nuclear	
	Number	MW	Number	MW	Number	MW	Number	MW
AT	0	0	0	0	0	0	0	0
BA	0	0	0	0	0	0	0	0
BE [1]	2	408	0	0	0	0	0	0
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	0	0	0	0	0	0	0	0
CS	0	0	0	0	0	0	0	0
CZ	0	0	0	0	0	0	0	0
DE	1	500	0	0	1	170	0	0
ES	64	5418	0	0	2	427	1	340
FR	0	0	0	0	8	1758	0	0
GR	1	389	0	0	0	0	0	0
HR	0	0	0	0	0	0	0	0
HU	2	29	0	0	0	0	0	0
IT	41	4071	0	0	93	472	0	0
LU	0	0	0	0	0	0	0	0
MK	0	0	0	0	0	0	0	0
NL	0	0	0	0	0	0	0	0
PL	1	449	0	0	3	96	0	0
PT	3	489	0	0	1	47	0	0
RO	0	0	0	0	0	0	0	0
SI	0	0	0	0	0	0	0	0
SK	0	0	0	0	1	13	0	0
UCTE	**115**	**11753**	**0**	**0**	**109**	**2983**	**1**	**340**
DK_W	1	25	0	0	0	0	0	0
UA_W	0	0	0	0	0	0	0	0

[1] The conventional thermal units include the other renewable units.

Inventory of hydro power units										
	1 MW ≤ x < 10 MW		10 MW ≤ x < 50 MW		50 MW ≤ x < 100 MW		≥ 100 MW		**Total**	
Country	Number	MW	Number	MW	Number	MW	Number	MW	Number	MW
AT [1]	208	650	101	2526	20	1492	26	6698	355	11366
BA	2	10	16	335	12	774	7	945	37	2064
BE	28	101	0	0	0	0	7	1308	35	1409
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	180	642	101	2482	39	2655	36	7442	356	13221
CS	11	30	37	870	8	583	11	2014	67	3497
CZ	53	163	8	178	0	0	5	1711	66	2052
DE [3]	234	898	78	1648	14	1026	15	4841	341	8413
ES	474	1602	132	3002	42	2891	38	10969	686	18464
FR	500	1617	178	4330	41	3025	58	16002	777	24974
GR	21	79	3	63	2	120	11	2846	37	3108
HR [2]	22	69	21	576	6	453	8	978	57	2076
HU	10	46	0	0	0	0	0	0	10	46
IT	605	1986	229	5376	29	1960	42	11601	905	20923
LU	3	20	1	11	0	0	1	1096	5	1127
MK [2]	22	36	3	73	3	265	1	150	29	524
NL	0	0	3	35	0	0	0	0	3	35
PL	62	177	4	79	3	224	5	1672	74	2152
PT	90	416	37	882	33	2204	8	1395	168	4897
RO	147	851	107	2352	13	887	11	2004	278	6094
SI [2]	1	8	11	288	5	319	2	230	19	845
SK	29	176	36	700	10	820	6	734	81	2430
UCTE	**2702**	**9577**	**1106**	**25806**	**280**	**19698**	**298**	**74636**	**4386**	**129717**
DK_W	3	7	0	0	0	0	0	0	3	7
UA_W	3	27	0	0	0	0	0	0	3	27

[1] Values as of 31 December 2003
[2] Values as of 31 December 2004
[3] Values as of 31 December 2000

Country	Commissioning		Decommissioning	
	Number	MW	Number	MW
AT	0	0	0	0
BA	0	0	0	0
BE	0	0	0	0
BG	n.a.	n.a.	n.a	n.a.
CH	1	2	0	0
CS	0	0	0	0
CZ	0	0	0	0
DE	0	0	0	0
ES	0	0	0	0
FR	0	0	0	0
GR	0	0	0	0
HR	0	0	0	0
HU	0	0	0	0
IT	14	338	3	74,5
LU	0	0	0	0
MK	0	0	0	0
NL	0	0	0	0
PL	1	2	0	0
PT	3	197	0	0
RO	2	12	0	0
SI	0	0	0	0
SK	0	0	0	0
UCTE	**21**	**551**	**3**	**74,5**
DK_W	0	0	0	0
UA_W	0	0	0	0



UCTE-TERMINOLOGY 4

Terminology index

The Terminology index contains all terms used in this Statistical Yearbook. The corresponding explanations are available on the UCTE internet site (www.ucte.org) under "Statistics / General Terms" on the mentioned chapters.

Explanations to the UCTE Power Balance / System Adequacy (Table 8a and Table 8b) are also available on the UCTE website under "Statistics / Terms System Adequacy Assessment (SAA)".

Terminology index

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