UCTE

Statistical Yearbook 2001

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 400 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

35	Transmission System Operators (TSO)
21	European Countries
400 million	Customers served by the represented power systems
512 GW	Installed capacity
2160 TWh	Electricity consumption in 2001
230 TWh	Sum of electricity exchange between member TSO's under rules of UCTE
200.000 km	Length of high-voltage transmission lines managed by the TSO's

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 Half-yearly Reports, 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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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 (Table 8a and Table 8b) are also available on the UCTE web site under "Statistics/ Terms of Power Balance".

Terminology index

1 Monthly values

1st synchronous UCTE region

2nd synchronous UCTE region

Synchronous operation with 1st UCTE region

Synchronous operation with 2nd UCTE region

Monthly values

I

OPERATION AND PHYSICAL EXCHANGE BALANCE (PER COUNTRY FOR THE YEARS 1996, 2000, 2001)

Abbreviations used in tables

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

AL	Albania
BG	Bulgaria
BY	Belarus
DK	Denmark
GB	Great Britain
MA	Morocco
RO	Romania
S	Sweden
UA	Ukraine

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

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

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

Thermal conventional net production

Thermal nuclear net production

Hydraulic net production

Total net electrical energy production

Total physical import/export balance

Consumption of pumps

National electrical consumption

National electrical consumption as percentage of total values

Energy capability factor (hydro power)

Consumption load at 3:00 a.m. on the 3rd Wednesday

Consumption load at 11:00 a.m.on the 3rd Wednesday

Peak load on the 3rd Wednesday

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

BELGIQUE

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	30009
			2000	32723
			2001	30414
Thermal nuclear net production	GWh	Σ	1996	41150
			2000	45748
			2001	44004
Hydraulic net production	GWh	Σ	1996	1200
			2000	1691
			2001	1635
Total net electrical energy production	GWh	Σ	1996 [2]	72359
			2000 [2]	80162
			2001 [2]	76053
Total physical import / export balance [1]	GWh	Σ	1996	4191
			2000	4328
			2001	9105
Consumption of pumps	GWh	Σ	1996	1267
			2000	1639
			2001	1604
National electrical consumption	GWh	Σ	1996	75283
			2000	82851
			2001	83554
National electrical consumption as percentage of total values	%∅	pond.	1996	100
			2000	100
			2001	100
Energy capability factor (hydro power)	∅	pond.	1996	-
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	9683
			2000	9257
			2001	10567
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	10977
			2000	11417
			2001	12092
Peak load on the 3rd Wednesday	MW	max.	1996	11446
			2000	12291
			2001	12953
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	10673
			2000	11333
			2001	10667

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2695	2688	2979	2465	2412	2273	2026	2105	2235	2786	2341	3004
3347	3523	3210	2728	2584	2406	2418	2204	2343	2514	2766	2680
2779	2433	2822	2196	2413	2475	2533	2474	2540	2327	2806	2616
4104	3895	3726	3253	3247	3024	3102	2937	3361	3178	3816	3507
4101	3069	3917	3561	3662	3547	3336	3755	4063	4278	4159	4300
4257	3729	3553	3471	3353	3251	3106	3421	3421	4251	3883	4308
103	104	107	88	93	85	96	103	74	93	117	137
149	146	151	135	106	116	140	131	131	152	164	170
150	153	152	150	145	122	121	104	129	131	130	148
6902	6687	6812	5806	5752	5382	5224	5145	5670	6057	6274	6648
7597	6738	7278	6424	6352	6069	5894	6090	6537	6944	7089	7150
7186	6315	6527	5817	5911	5848	5760	5999	6090	6709	6819	7072
278	158	96	274	366	311	255	457	347	520	516	613
89	494	275	380	470	385	411	332	173	423	385	511
851	902	1202	1214	858	641	538	472	662	493	605	667
108	93	101	97	111	102	118	121	85	110	97	124
134	125	131	124	108	131	138	138	147	157	151	155
131	140	127	127	141	138	146	127	132	138	123	134
7072	6752	6807	5983	6007	5591	5361	5481	5932	6467	6693	7137
7552	7107	7422	6680	6714	6323	6167	6284	6563	7210	7323	7506
7906	7077	7602	6904	6628	6351	6152	6344	6620	7064	7301	7605
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	100	100	100	100	100	100	100	100	100	100	100
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
8459	**9683**	8187	7191	7539	6825	6207	6816	7152	7200	8579	8735
9075	**9257**	8923	8340	7779	7915	7155	6634	7694	8460	9096	9205
10567	9657	9477	8765	7947	7807	7114	7284	8017	7875	9016	9761
10612	**10977**	10269	9623	10047	9489	8336	9554	9809	9828	10856	10884
11362	11375	11124	10602	10592	10794	9408	10161	10642	11397	11221	**11417**
12092	11810	12046	11636	10727	10576	9328	7873	10878	10658	11432	11699
11205	11174	10464	9836	10397	9898	8685	9963	9399	10119	**11446**	11414
11973	11957	11432	11025	10877	11097	9860	10626	10984	11596	12186	**12291**
12953	12186	12134	11799	11158	10924	9760	8531	11338	11196	12116	**12281**
10136	**10673**	9752	9069	9576	9178	8213	9090	9399	8434	9863	9506
11333	10703	10111	10554	10421	10487	8941	9528	10456	10858	10637	10870
10602	9992	**10667**	9753	9650	10092	8983	7818	10255	9966	10105	10588

BELGIQUE | GWh

Physical exchanges in interconnected operation[1]

MM_YY	B→F	B→L	B→NL	B_UCTE_EXP	B_III_EXP	B_CENTREL_EXP	F→B	L→B	NL→B	B_UCTE_IMP	B_III_IMP	B_CENTREL_IMP	B_UCTE_SLD	B_III_SLD	B_CENTREL_SLD
	Export (-)						Import (+)						Balance		
I.96	141	130	215	486	0	0	413	0	339	752	0	0	266	0	0
II.96	161	94	239	494	0	0	292	0	348	640	0	0	146	0	0
III.96	224	134	258	616	0	0	316	0	386	702	0	0	86	0	0
IV.96	119	120	292	531	0	0	434	0	360	794	0	0	263	0	0
V.96	72	111	201	384	0	0	406	0	334	740	0	0	356	0	0
VI.96	103	110	256	469	0	0	448	0	323	771	0	0	302	0	0
VII.96	130	115	246	491	0	0	502	0	317	819	0	0	328	0	0
VIII.96	44	63	359	466	0	0	687	0	226	913	0	0	447	0	0
IX.96	70	116	316	502	0	0	568	0	271	839	0	0	337	0	0
X.96	34	130	168	332	0	0	518	0	322	840	0	0	508	0	0
XI.96	82	128	185	395	0	0	503	0	396	899	0	0	504	0	0
XII.96	94	125	64	283	0	0	371	0	515	886	0	0	603	0	0
1996	**1274**	**1376**	**2799**	**5449**	**0**	**0**	**5458**	**0**	**4137**	**9595**	**0**	**0**	**4146**	**0**	**0**
I.00	82	164	328	574	0	0	350	0	304	654	0	0	80	0	0
II.00	17	184	183	384	0	0	486	0	380	866	0	0	482	0	0
III.00	19	198	386	603	0	0	600	0	265	865	0	0	262	0	0
IV.00	10	169	351	530	0	0	628	0	272	900	0	0	370	0	0
V.00	10	179	469	658	0	0	925	0	194	1119	0	0	461	0	0
VI.00	16	172	412	600	0	0	732	0	244	976	0	0	376	0	0
VII.00	10	177	390	577	0	0	714	0	265	979	0	0	402	0	0
VIII.00	5	100	617	722	0	0	833	0	213	1046	0	0	324	0	0
IX.00	9	111	600	720	0	0	729	0	154	883	0	0	163	0	0
X.00	4	157	432	593	0	0	759	0	246	1005	0	0	412	0	0
XI.00	13	186	472	671	0	0	762	0	284	1046	0	0	375	0	0
XII.00	6	170	510	686	0	0	875	0	311	1186	0	0	500	0	0
2000	**201**	**1967**	**5150**	**7318**	**0**	**0**	**8393**	**0**	**3132**	**11525**	**0**	**0**	**4207**	**0**	**0**
I.01	14	175	260	449	0	0	861	0	428	1289	0	0	840	0	0
II.01	10	161	138	309	0	0	713	0	488	1201	0	0	892	0	0
III.01	4	188	85	277	0	0	848	0	620	1468	0	0	1191	0	0
IV.01	0	164	147	311	0	0	1074	0	441	1515	0	0	1204	0	0
V.01	0	177	411	588	0	0	1069	0	369	1438	0	0	850	0	0
VI.01	0	172	419	591	0	0	1032	0	191	1223	0	0	632	0	0
VII.01	4	169	515	688	0	0	1134	0	92	1226	0	0	538	0	0
VIII.01	1	110	764	875	0	0	1258	0	78	1336	0	0	461	0	0
IX.01	2	166	460	628	0	0	1060	60	162	1282	0	0	654	0	0
X.01	5	190	569	764	0	0	1036	36	177	1249	0	0	485	0	0
XI.01	47	173	459	679	0	0	876	151	248	1275	0	0	596	0	0
XII.01	118	162	260	540	0	0	554	135	508	1197	0	0	657	0	0
2001	**205**	**2007**	**4487**	**6699**	**0**	**0**	**11515**	**382**	**3802**	**15699**	**0**	**0**	**9000**	**0**	**0**

[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".

DEUTSCHLAND | GWh

Physical exchanges in interconnected operation[1]

MM_YY	D→CH	D→CZ	D→DK	D→F	D→L	D→NL	D→A	D→PL	D→S	D_UCTE_EXP	D_III_EXP	D_CENTREL_EXP	CH→D	CZ→D	DK→D	F→D	L→D	NL→D	A→D	PL→D	S→D	D_UCTE_IMP	D_III_IMP	D_CENTREL_IMP	D_UCTE_SLD	D_III_SLD	D_CENTREL_SLD
MM_YY	Export (-)												Import (+)												Balance		
I.96	891	109	6	0	376	1092	621	378	14	2980	20	487	384	230	444	1639	48	14	266	187	8	2351	452	417	-629	432	-70
II.96	916	309	18	0	372	1039	526	396	66	2853	84	705	358	211	550	1545	56	117	276	159	2	2352	552	370	-501	468	-335
III.96	1190	371	13	0	387	1148	790	322	84	3515	97	693	374	318	556	1587	63	136	240	125	4	2400	560	443	-1115	463	-250
IV.96	873	205	113	0	356	1054	739	342	99	3022	212	547	337	314	389	1365	64	134	230	129	6	2130	395	443	-892	183	-104
V.96	372	74	133	9	361	1166	512	385	144	2420	277	459	441	325	275	1124	71	99	286	169	0	2021	275	494	-399	-2	35
VI.96	454	66	330	1	331	1201	477	396	109	2464	439	462	301	334	152	1255	61	136	292	157	3	2045	155	491	-419	-284	29
VII.96	664	54	129	0	334	1114	480	289	52	2592	181	343	408	232	146	1251	73	114	282	124	28	2128	174	356	-464	-7	13
VIII.96	523	5	289	1	314	1101	519	279	87	2458	376	284	443	230	152	1268	77	217	283	64	0	2288	152	294	-170	-224	10
IX.96	856	12	67	0	355	1087	542	349	89	2840	156	361	312	274	307	1340	83	222	279	66	0	2236	307	340	-604	151	-21
X.96	827	98	43	0	358	1202	446	315	55	2833	98	413	432	134	255	1481	67	183	420	114	0	2583	255	248	-250	157	-165
XI.96	768	111	78	0	366	1181	504	300	68	2819	146	411	442	136	213	1424	74	139	278	147	16	2357	229	283	-462	83	-128
XII.96	816	61	213	21	216	1381	595	283	165	3029	378	344	339	215	208	1404	72	130	232	127	0	2177	208	342	-852	-170	-2
1996	**9150**	**1475**	**1432**	**32**	**4126**	**13766**	**6751**	**4034**	**1032**	**33825**	**2464**	**5509**	**4571**	**2953**	**3647**	**16683**	**809**	**1641**	**3364**	**1568**	**67**	**27068**	**3714**	**4521**	**-6757**	**1250**	**-988**
I.00	1252	12	42	114	392	1482	902	248	0	4142	42	260	321	645	500	847	64	38	304	12	0	1574	500	657	-2568	458	397
II.00	1131	3	5	30	378	1455	802	160	0	3796	5	163	297	854	607	984	68	23	396	34	0	1768	607	888	-2028	602	725
III.00	1133	0	2	2	363	1391	740	138	0	3629	2	138	342	1035	734	1366	48	42	487	57	0	2285	734	1092	-1344	732	954
IV.00	920	0	17	5	348	1522	634	119	1	3429	18	119	359	910	471	1265	55	118	510	60	5	2307	476	970	-1122	458	851
V.00	338	0	51	25	365	1362	251	155	1	2341	52	155	754	750	413	1249	58	160	776	40	119	2997	532	790	656	480	635
VI.00	319	0	60	3	343	1565	284	236	10	2514	70	236	784	594	456	1500	56	135	584	15	41	3059	497	609	545	427	373
VII.00	698	135	123	1	359	1539	495	241	1	3092	124	376	381	520	615	1291	58	85	387	15	193	2202	808	535	-890	684	159
VIII.00	658	33	57	7	343	1282	398	224	13	2688	70	257	493	579	507	1674	57	185	477	35	128	2886	635	614	198	565	357
IX.00	952	8	17	3	364	1349	670	190	7	3338	24	198	250	569	433	1408	60	75	353	64	74	2146	507	633	-1192	483	435
X.00	825	7	55	9	386	1660	643	93	13	3523	68	100	330	844	438	1240	60	25	468	127	47	2123	485	971	-1400	417	871
XI.00	823	8	16	10	387	1603	615	88	27	3438	43	96	396	876	561	1146	68	3	451	123	21	2064	582	999	-1374	539	903
XII.00	1052	25	15	17	413	1588	812	112	18	3882	33	137	443	756	553	1231	85	8	415	107	26	2182	579	863	-1700	546	726
2000	**10101**	**231**	**460**	**226**	**4441**	**17798**	**7246**	**2004**	**91**	**39812**	**551**	**2235**	**5150**	**8932**	**6288**	**15201**	**737**	**897**	**5608**	**689**	**654**	**27593**	**6942**	**9621**	**-12219**	**6391**	**7386**
I.01	1159	32	8	24	404	1674	851	162	5	4112	13	194	449	740	632	1004	63	12	406	51	32	1934	664	791	-2178	651	597
II.01	968	12	91	29	355	1611	673	81	28	3636	119	93	409	776	329	644	49	2	414	92	30	1518	359	868	-2118	240	775
III.01	815	1	290	11	402	1692	524	87	128	3444	418	88	518	958	208	1006	63	23	550	134	12	2160	220	1092	-1284	-198	1004
IV.01	654	0	291	25	370	1445	616	84	162	3110	453	84	373	863	224	812	65	36	408	137	18	1694	242	1000	-1416	-211	916
V.01	340	0	308	24	340	1405	313	108	135	2422	443	108	796	866	224	905	57	42	683	133	53	2483	277	999	61	-166	891
VI.01	309	3	379	7	353	1280	600	104	229	2549	608	107	854	776	174	1033	60	105	500	120	17	2552	191	896	3	-417	789
VII.01	354	8	292	32	341	1111	600	112	195	2438	487	120	918	657	209	1552	36	53	500	104	35	3059	244	761	621	-243	641
VIII.01	367	7	287	32	367	1080	600	167	137	2446	424	174	882	529	158	1519	70	75	500	53	85	3046	243	582	600	-181	408
IX.01	867	1	133	2	397	1297	600	96	15	3163	148	97	361	779	441	1476	82	24	500	104	178	2443	619	883	-720	471	786
X.01	1041	54	58	0	405	1389	600	165	39	3435	97	219	395	680	500	2098	74	13	500	37	181	3080	681	717	-355	584	498
XI.01	1313	29	18	1	396	1360	600	60	8	3670	26	89	261	832	744	1507	64	8	500	147	226	2340	970	979	-1330	944	890
XII.01	1908	52	83	42	392	1665	600	90	89	4607	172	142	132	805	643	1019	62	13	500	80	125	1726	768	885	-2881	596	743
2001	**10095**	**199**	**2238**	**229**	**4522**	**17009**	**7177**	**1316**	**1170**	**39032**	**3408**	**1515**	**6348**	**9261**	**4486**	**14575**	**745**	**406**	**5961**	**1192**	**992**	**28035**	**5478**	**10453**	**-10997**	**2070**	**8938**

[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".

DEUTSCHLAND

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	306127
			2000	314105
			2001	316901
Thermal nuclear net production	GWh	Σ	1996	151908
			2000	158887
			2001	161154
Hydraulic net production	GWh	Σ	1996	19084
			2000	23596
			2001	23403
Total net electrical energy production	GWh	Σ	1996 [2]	477119
			2000 [2]	496588
			2001 [2]	501458
Total physical import / export balance [1]	GWh	Σ	1996	-5441
			2000	3154
			2001	60
Consumption of pumps	GWh	Σ	1996	5568
			2000	5789
			2001	6133
National electrical consumption	GWh	Σ	1996	466110
			2000	493953
			2001	495385
National electrical consumption as percentage of total values	%	∅ pond.	1996	92
			2000	93
			2001	93
Energy capability factor (hydro power)		∅ pond.	1996	0,97
			2000	1,23
			2001	1,21
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	55068
			2000	53010
			2001	53500
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	70701
			2000	72500
			2001	73200
Peak load on the 3rd Wednesday	MW	max.	1996	70992
			2000	74300
			2001	75000
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	80800
			2000	79400
			2001	80200

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
30055	30043	30193	24670	23532	21786	21795	21171	23194	25709	26001	27978
31041	28967	29986	25223	23034	22248	23411	23490	24424	25989	27910	28382
31956	28078	29572	26431	25028	21758	22170	21354	22965	27229	30204	30156
14129	11956	12287	11876	11581	11289	11846	12325	12489	12953	14188	14989
14903	13104	12486	12062	13011	11588	13017	12242	13602	14324	13911	14637
14911	13287	14411	13057	12399	12240	12811	13780	13752	12722	12702	15082
1431	1141	1304	1442	1766	1672	1774	1692	1667	1744	1722	1729
2021	2031	2278	2180	2346	1917	1995	1924	1783	1859	1642	1620
2054	1811	2072	2348	2435	2056	1944	1857	2069	1647	1454	1656
45615	43140	43784	37988	36879	34747	35415	35188	37350	40406	41911	44696
47965	44102	44750	39465	38391	35753	38423	37656	39809	42172	43463	44639
48921	43176	46055	41836	39862	36054	36925	36991	38786	41598	44360	46894
-186	-330	-935	-778	-248	-544	-340	-275	-341	-162	-397	-905
-1541	-698	350	214	1757	1303	16	61	132	734	690	136
-930	-1103	-478	-711	786	375	1018	877	537	727	504	-1542
432	381	422	436	505	462	478	492	514	511	472	463
492	450	482	470	488	460	461	517	500	464	500	505
539	454	514	487	516	509	521	545	548	480	482	538
44997	42429	42427	36774	36126	33741	34597	34421	36495	39733	41042	43328
45932	42954	44618	39209	39660	36596	37978	37200	39441	42442	43653	44270
47452	41619	45063	40638	40132	35920	37422	37323	38775	41845	44382	44814
92	92	92	92	92	92	92	92	92	92	92	92
93	93	93	93	93	93	93	93	93	93	93	93
93	93	93	93	93	93	93	93	93	93	93	93
0,96	0,71	0,75	0,77	0,92	0,83	0,98	0,92	1,16	1,27	1,32	1,19
1,50	1,53	1,47	1,24	1,20	0,99	1,09	1,07	1,17	1,37	1,22	1,10
1,50	1,33	1,29	1,36	1,25	1,06	1,03	1,01	1,38	1,18	1,06	1,11
52757	**55068**	49793	43566	39782	36056	34553	35428	39256	40003	47762	49026
48930	52590	49530	44360	39520	39880	39200	37200	40000	46000	**53010**	51930
49400	53100	50000	44800	39900	40300	39600	37600	40400	46500	**53500**	52400
70701	68220	66151	63398	63975	61825	58251	61045	64001	66760	68095	69915
68120	69140	67430	67940	63680	65130	60660	60900	63700	67400	71474	**72500**
68800	69800	68100	68600	64300	65800	61300	61500	64300	68100	71600	**73200**
70992	70067	66151	63483	64725	62749	59310	61808	64837	67576	69334	70781
69740	71060	69750	68400	64650	66100	62090	61100	64400	67500	72500	**74300**
70400	71800	70400	69100	65300	66800	62700	61700	65000	68200	73200	**75000**
80400	78000	76000	73500	72700	70600	66000	69300	72900	75400	78200	**80800**
74900	76000	74100	74700	70000	72600	66700	62700	68500	72400	78500	**79400**
75600	76800	74800	75400	70700	73300	67400	63300	69200	73100	79300	**80200**

ESPAÑA

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	61574
			2000	104592
			2001	101861
Thermal nuclear net production	GWh	Σ	1996	54112
			2000	59530
			2001	60985
Hydraulic net production	GWh	Σ	1996	41020
			2000	31355
			2001	43313
Total net electrical energy production	GWh	Σ	1996 [2]	156706
			2000 [2]	195477
			2001 [2]	206159
Total physical import / export balance [1]	GWh	Σ	1996	1061
			2000	4441
			2001	3459
Consumption of pumps	GWh	Σ	1996	1522
			2000	4908
			2001	4132
National electrical consumption	GWh	Σ	1996	156245
			2000	195010
			2001	205486
National electrical consumption as percentage of total values	%	∅ pond.	1996	94
			2000	94
			2001	94
Energy capability factor (hydro power)		∅ pond.	1996	1,30
			2000	0,90
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	16353
			2000	21476
			2001	23643
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	23400
			2000	29451
			2001	33500
Peak load on the 3rd Wednesday	MW	max.	1996	24906
			2000	32430
			2001	38170
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	24445
			2000	29209
			2001	33015

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
3101	3465	4951	3516	3292	5774	7204	6669	6553	6323	6436	4290
9712	8606	9554	8127	6833	8416	9304	8735	9864	9478	8971	6992
6584	5922	6061	6119	7219	8974	9783	9295	10111	10151	10264	11378
5196	4737	4831	4446	5117	3774	3664	3673	3886	4866	4596	5326
5459	5121	4959	4468	4874	5232	5359	5001	4031	4408	5065	5553
5502	4781	4682	4579	5513	5104	5433	5309	4702	4738	5174	5468
6338	5746	3692	3831	3953	3016	2383	1616	1841	1859	2318	4427
2850	1860	1794	2602	3793	2601	1976	1932	2023	1997	2822	5105
6781	6076	6971	4590	3597	2764	2301	2155	1763	2037	2270	2008
14635	13948	13474	11793	12362	12564	13251	11958	12280	13048	13350	14043
18021	15587	16307	15197	15500	16249	16639	15668	15918	15883	16858	17650
18867	16779	17714	15288	16329	16842	17517	16759	16576	16926	17708	18854
-23	-229	96	235	175	297	338	289	54	-123	-16	-32
196	416	422	519	684	174	259	209	341	444	516	261
-38	22	-84	447	579	504	431	282	283	140	403	490
761	190	30	34	44	73	66	12	23	39	70	180
369	313	346	514	618	330	323	246	257	363	452	777
539	307	387	201	215	259	303	292	369	364	336	560
13851	13529	13540	11994	12493	12788	13523	12235	12311	12886	13264	13831
17848	15690	16383	15202	15566	16093	16575	15631	16002	15964	16922	17134
18290	16494	17243	15534	16693	17087	17645	16749	16490	16702	17775	18784
94	94	94	94	94	94	94	94	94	94	94	94
94	94	94	94	94	94	94	94	94	94	94	94
94	94	94	94	94	94	94	94	94	94	94	94
2,33	1,21	0,93	1,12	1,28	0,87	0,83	1,12	1,00	0,62	0,97	1,90
0,44	0,27	0,27	1,35	1,43	0,66	0,43	0,42	0,59	0,60	1,59	2,17
-	-	-	-	-	-	-	-	-	-	-	-
15167	15949	14955	14210	14057	15361	15222	13762	14366	14614	**16353**	16022
20700	19470	18263	18887	17393	18990	19459	17138	18266	18673	20888	**21476**
21958	20614	19431	18921	18588	20417	19374	19033	19199	18733	22251	**23643**
21960	**23400**	21253	20112	18633	21277	21461	18269	20270	20104	22516	22477
29063	26346	25028	24446	24801	27030	27122	23316	25257	25491	28134	**29451**
29770	28653	26830	26393	26499	28175	27771	19534	27170	26166	30958	**33500**
23230	**24906**	22226	20352	18949	22774	22360	18843	20670	21678	24434	23944
31117	27550	27550	24793	25084	28037	28522	25224	25803	27494	30129	**32430**
30984	29749	27930	27164	27128	29725	29019	27972	28540	28770	**38170**	35186
21824	**24445**	21092	19985	18832	21270	21523	18116	20638	20196	22372	22135
29006	25613	25613	24793	23951	27430	27452	24342	24893	25239	27231	**29209**
29932	28438	26628	26504	26499	27290	26921	26289	27054	26131	30055	**33015**

Physical exchanges in interconnected operation[1]

MM_YY	E→F	E→P	E→MA	E_UCTE_EXP	E_III_EXP	E_CENTREL_EXP	F→E	P→E	MA→E	E_UCTE_IMP	E_III_IMP	E_CENTREL_IMP	E_UCTE_SLD	E_III_SLD	E_CENTREL_SLD
	Export (-)						Import (+)						Balance		
I.96	207	272	0	479	0	0	186	304	0	490	0	0	11	0	0
II.96	329	253	0	582	0	0	107	263	0	370	0	0	-212	0	0
III.96	173	209	0	382	0	0	295	216	0	511	0	0	129	0	0
IV.96	84	200	0	284	0	0	325	206	0	531	0	0	247	0	0
V.96	101	165	0	266	0	0	273	179	0	452	0	0	186	0	0
VI.96	295	293	0	588	0	0	375	304	0	679	0	0	91	0	0
VII.96	77	392	0	469	0	0	416	400	0	816	0	0	347	0	0
VIII.96	58	380	0	438	0	0	354	391	0	745	0	0	307	0	0
IX.96	65	434	0	499	0	0	343	234	0	577	0	0	78	0	0
X.96	85	526	0	611	0	0	393	114	0	507	0	0	-104	0	0
XI.96	78	503	0	581	0	0	401	183	0	584	0	0	3	0	0
XII.96	112	403	0	515	0	0	295	211	0	506	0	0	-9	0	0
1996	**1664**	**4030**	**0**	**5694**	**0**	**0**	**3763**	**3005**	**0**	**6768**	**0**	**0**	**1074**	**0**	**0**
I.00	137	326	196	463	196	0	516	380	0	896	0	0	433	-196	0
II.00	57	267	218	324	218	0	685	312	0	997	0	0	673	-218	0
III.00	37	390	228	427	228	0	833	286	0	1119	0	0	692	-228	0
IV.00	35	327	218	362	218	0	765	359	0	1124	0	0	762	-218	0
V.00	9	330	215	339	215	0	823	423	0	1246	0	0	907	-215	0
VI.00	9	455	201	464	201	0	678	207	0	885	0	0	421	-201	0
VII.00	38	479	154	517	154	0	677	260	0	937	0	0	420	-154	0
VIII.00	53	522	163	575	163	0	726	247	0	973	0	0	398	-163	0
IX.00	50	425	164	475	164	0	726	267	0	993	0	0	518	-164	0
X.00	52	363	185	415	185	0	744	333	0	1077	0	0	662	-185	0
XI.00	53	419	154	472	154	0	810	358	0	1168	0	0	696	-154	0
XII.00	57	294	165	351	165	0	496	333	0	829	0	0	478	-165	0
2000	**587**	**4597**	**2261**	**5184**	**2261**	**0**	**8479**	**3765**	**0**	**12244**	0	**0**	**7060**	**-2261**	**0**
I.01	186	225	160	411	160	0	284	302	0	586	0	0	175	-160	0
II.01	159	200	158	359	158	0	344	240	0	584	0	0	225	-158	0
III.01	220	200	132	420	132	0	275	227	0	502	0	0	82	-132	0
IV.01	118	178	132	296	132	0	467	436	0	903	0	0	607	-132	0
V.01	34	235	120	269	120	0	696	281	0	977	0	0	708	-120	0
VI.01	37	329	122	366	122	0	678	323	0	1001	0	0	635	-122	0
VII.01	44	427	146	471	146	0	705	353	0	1058	0	0	587	-146	0
VIII.01	56	355	150	411	150	0	713	139	0	852	0	0	441	-150	0
IX.01	46	471	114	517	114	0	671	261	0	932	0	0	415	-114	0
X.01	60	362	150	422	150	0	442	308	0	750	0	0	328	-150	0
XI.01	81	318	126	399	126	0	692	282	0	974	0	0	575	-126	0
XII.01	133	329	67	462	67	0	752	327	0	1079	0	0	617	-67	0
2001	**1174**	**3629**	**1577**	**4803**	**1577**	**0**	**6719**	**3479**	**0**	**10198**	**0**	**0**	**5395**	**-1577**	**0**

[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 | GWh

Physical exchanges in interconnected operation[1]

MM_YY	F→B	F→CH	F→D	F→E	F→GB	F→I	F_UCTE_EXP	F_III_EXP	F_CENTREL_EXP	B→F	CH→F	D→F	E→F	GB→F	I→F	F_UCTE_IMP	F_III_IMP	F_CENTREL_IMP	F_UCTE_SLD	F_III_SLD	F_CENTREL_SLD
	Export (-)									Import (+)									Balance		
I.96	413	1150	1639	186	1467	1651	5039	1467	0	141	4	0	207	0	16	368	0	0	-4671	-1467	0
II.96	292	983	1545	107	1319	1535	4462	1319	0	161	33	0	329	0	22	545	0	0	-3917	-1319	0
III.96	316	1182	1587	295	1406	1529	4909	1406	0	224	32	0	173	3	22	451	3	0	-4458	-1403	0
IV.96	434	979	1365	325	1430	1380	4483	1430	0	119	0	0	84	0	14	217	0	0	-4266	-1430	0
V.96	406	823	1124	273	1434	1549	4175	1434	0	72	3	9	101	0	14	199	0	0	-3976	-1434	0
VI.96	448	608	1255	375	1400	1471	4157	1400	0	103	13	1	295	0	28	440	0	0	-3717	-1400	0
VII.96	502	686	1251	416	1467	1375	4230	1467	0	130	8	0	77	0	17	232	0	0	-3998	-1467	0
VIII.96	687	839	1268	354	1474	1124	4272	1474	0	44	4	1	58	0	27	134	0	0	-4138	-1474	0
IX.96	568	923	1340	343	1111	1426	4600	1111	0	70	5	0	65	0	22	162	0	0	-4438	-1111	0
X.96	518	979	1481	393	1334	1623	4994	1334	0	34	7	0	85	0	16	142	0	0	-4852	-1334	0
XI.96	503	1001	1424	401	1366	1491	4820	1366	0	82	6	0	78	0	7	173	0	0	-4647	-1366	0
XII.96	371	879	1404	295	1418	1637	4586	1418	0	94	22	21	112	0	23	272	0	0	-4314	-1418	0
1996	**5458**	**11032**	**16683**	**3763**	**16626**	**17791**	**54727**	**16626**	**0**	**1274**	**137**	**32**	**1664**	**3**	**228**	**3335**	**3**	**0**	**-51392**	**-16623**	**0**
I.00	350	881	847	516	862	1190	3784	862	0	82	274	114	137	0	44	651	0	0	-3133	-862	0
II.00	486	902	984	685	1133	1228	4285	1133	0	17	109	30	57	0	34	247	0	0	-4038	-1133	0
III.00	600	1025	1366	833	1251	1330	5154	1251	0	19	115	2	37	0	44	217	0	0	-4937	-1251	0
IV.00	628	815	1265	765	1099	1105	4578	1099	0	10	84	5	35	0	49	183	0	0	-4395	-1099	0
V.00	925	531	1249	823	1456	1402	4930	1456	0	10	87	25	9	0	28	159	0	0	-4771	-1456	0
VI.00	732	427	1500	678	1251	1524	4861	1251	0	16	61	3	9	0	32	121	0	0	-4740	-1251	0
VII.00	714	682	1291	677	1246	1454	4818	1246	0	10	68	1	38	0	32	149	0	0	-4669	-1246	0
VIII.00	833	705	1674	726	1367	953	4891	1367	0	5	110	7	53	0	39	214	0	0	-4677	-1367	0
IX.00	729	684	1408	726	1203	1389	4936	1203	0	9	287	3	50	0	22	371	0	0	-4565	-1203	0
X.00	759	721	1240	744	1124	1371	4835	1124	0	4	255	9	52	0	18	338	0	0	-4497	-1124	0
XI.00	762	858	1146	810	1176	1575	5151	1176	0	13	129	10	53	0	22	227	0	0	-4924	-1176	0
XII.00	875	1126	1231	496	1194	1621	5349	1194	0	6	73	17	57	0	29	182	0	0	-5167	-1194	0
2000	**8393**	**9357**	**15201**	**8479**	**14362**	**16142**	**57572**	**14362**	**0**	**201**	**1652**	**226**	**587**	**0**	**393**	**3059**	**0**	**0**	**-54513**	**-14362**	**0**
I.01	861	1075	1004	284	1118	1706	4930	1118	0	14	108	24	186	0	29	361	0	0	-4569	-1118	0
II.01	713	853	644	344	934	1516	4070	934	0	10	137	29	159	0	29	364	0	0	-3706	-934	0
III.01	848	1026	1006	275	1149	1811	4966	1149	0	4	59	11	220	0	29	323	0	0	-4643	-1149	0
IV.01	1074	758	812	467	827	1672	4783	827	0	0	42	25	118	0	31	216	0	0	-4567	-827	0
V.01	1069	470	905	696	924	1405	4545	924	0	0	123	24	34	0	44	225	0	0	-4320	-924	0
VI.01	1032	462	1033	678	888	1404	4609	888	0	0	97	7	37	1	31	172	1	0	-4437	-887	0
VII.01	1134	597	1552	705	1034	1586	5574	1034	0	4	91	32	44	0	32	203	0	0	-5371	-1034	0
VIII.01	1258	391	1519	713	1075	1129	5010	1075	0	1	302	32	56	0	60	451	0	0	-4559	-1075	0
IX.01	1060	628	1476	671	719	1329	5164	719	0	2	172	2	46	0	21	243	0	0	-4921	-719	0
X.01	1036	1016	2098	442	1039	1674	6266	1039	0	5	46	0	60	0	13	124	0	0	-6142	-1039	0
XI.01	876	1073	1507	692	583	1612	5760	583	0	47	109	1	81	58	29	267	58	0	-5493	-525	0
XII.01	554	981	1019	752	537	1354	4660	537	0	118	320	42	133	144	77	690	144	0	-3970	-393	0
2001	**11515**	**9330**	**14575**	**6719**	**10827**	**18198**	**60337**	**10827**	**0**	**205**	**1606**	**229**	**1174**	**203**	**425**	**3639**	**203**	**0**	**-56698**	**-10624**	**0**

[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 conventional net production	GWh	Σ	1996	37801
			2000	41181
			2001	35629
Thermal nuclear net production	GWh	Σ	1996	378215
			2000	395198
			2001	401280
Hydraulic net production	GWh	Σ	1996	65641
			2000	67619
			2001	74872
Total net electrical energy production	GWh	Σ	1996	481657
			2000	503998
			2001	511781
Total physical import / export balance [1]	GWh	Σ	1996	-69118
			2000	-69923
			2001	-68901
Consumption of pumps	GWh	Σ	1996	5836
			2000	6604
			2001	5840
National electrical consumption	GWh	Σ	1996	406703
			2000	427471
			2001	437040
National electrical consumption as percentage of total values	%	∅ pond.	1996	99
			2000	97
			2001	97
Energy capability factor (hydro power)		∅ pond.	1996	0,98
			2000	0,99
			2001	1,05
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	58226
			2000	54084
			2001	65278
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	61950
			2000	63596
			2001	72555
Peak load on the 3rd Wednesday	MW	max.	1996	64493
			2000	66863
			2001	74952
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	71192
			2000	70927
			2001	74967

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

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
3390	4835	4010	2780	2283	2648	2499	932	2665	3577	3907	4275
6887	5476	3720	3806	1311	2032	2381	1902	2499	3438	3842	3887
3493	3316	3053	2261	1992	2066	1600	1174	1558	2403	5443	7270
36781	34014	34341	31693	28810	26220	28557	28291	29290	32395	33218	34605
36298	33699	35868	32216	30667	29450	31112	30301	31039	33379	34638	36531
38868	33307	33738	31562	28868	28537	31198	30762	32907	35789	37163	38581
6637	6207	5354	4403	6055	5843	5223	4196	3945	4320	5667	7791
5402	5285	5712	5781	7072	5821	4772	4502	4384	5383	7028	6477
7421	6213	8001	8191	8405	6905	6442	4847	4572	4880	4362	4633
46808	45056	43705	38876	37148	34711	36279	33419	35900	40292	42792	46671
48587	44460	45300	41803	39050	37303	38265	36705	37922	42200	45508	46895
49782	42836	44792	42014	39265	37508	39240	36783	39037	43072	46968	50484
-6216	-5383	-5878	-5769	-5477	-5399	-5447	-5682	-5649	-6291	-6082	-5845
-4080	-5232	-6299	-5604	-6282	-6060	-6037	-6133	-5888	-5672	-6186	-6450
-5832	-4777	-5946	-5530	-5395	-5473	-6466	-5786	-5761	-7296	-6179	-4460
477	401	446	508	490	473	482	429	403	586	609	532
565	664	639	584	550	336	367	389	450	656	706	698
655	432	573	481	490	276	253	368	455	696	559	602
40115	39272	37381	32599	31181	28839	30350	27308	29848	33415	36101	40294
43942	38564	38362	35615	32218	30907	31861	30183	31584	35872	38616	39747
43295	37627	38273	36003	33380	31759	32521	30629	32821	35080	40230	45422
99	99	99	99	99	99	99	99	99	99	99	99
97	97	97	97	97	97	97	97	97	97	97	97
97	97	97	97	97	97	97	97	97	97	97	97
1,27	0,87	0,79	0,75	1,04	0,96	0,92	0,99	0,63	0,77	1,33	1,41
0,79	1,02	0,89	0,99	1,16	0,94	0,77	0,85	0,71	1,21	1,46	1,04
1,13	0,83	1,49	1,12	1,32	1,15	1,10	1,02	1,03	0,92	0,60	0,57
48663	**58226**	46087	40122	40569	36731	37606	32765	36699	39547	49080	48291
54084	49396	45664	46822	38203	39220	39546	33428	38322	43997	48914	48680
57843	54112	47017	48907	39454	39644	39551	35133	42569	40548	55750	**65278**
61754	**61950**	55916	51778	52811	48610	49485	43644	49438	53551	61000	58785
63596	61569	54085	57900	51342	52904	51931	45472	52407	58221	61838	60820
66220	60325	57389	60834	53193	52807	53229	38607	57599	55367	64505	**72555**
63848	64329	56686	51922	52982	48889	49685	44213	49698	53968	**64493**	61320
66863	64869	56354	58154	51811	53075	52390	49928	52584	58493	61838	64447
68581	61493	57700	61014	53631	53291	54018	41005	57639	55944	68435	**74952**
71192	70087	64975	60849	60718	56827	57280	52478	57220	63209	70901	68045
68484	69429	63298	66583	62077	62301	61080	55466	61189	66304	**70927**	70366
74967	68034	67014	68676	61361	60493	64195	48340	65539	66460	72691	74546

HELLAS

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	30978
			2000	41130
			2001	41818
Thermal nuclear net production	GWh	Σ	1996	0
			2000	0
			2001	0
Hydraulic net production	GWh	Σ	1996	4482
			2000	4078
			2001	2663
Total net electrical energy production	GWh	Σ	1996 [2]	35460
			2000 [2]	45208
			2001 [2]	44481
Total physical import / export balance [1]	GWh	Σ	1996	1349
			2000	-6
			2001	2501
Consumption of pumps	GWh	Σ	1996	223
			2000	585
			2001	897
National electrical consumption	GWh	Σ	1996	36586
			2000	44617
			2001	46085
National electrical consumption as percentage of total values	%	∅ pond.	1996	95
			2000	95
			2001	91
Energy capability factor (hydro power)		∅ pond.	1996	1,23
			2000	0,59
			2001	0,49
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	4021
			2000	5270
			2001	5627
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	5963
			2000	6983
			2001	8023
Peak load on the 3rd Wednesday	MW	max.	1996	6503
			2000	7699
			2001	8270
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	6325
			2000	8531
			2001	7414

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2802	2435	2594	2298	2415	2653	2980	2829	2484	2539	2522	2427
3643	3463	3396	3036	3124	3423	3866	3690	3273	3248	3322	3646
3601	3224	3438	3162	3263	3482	3989	3777	3366	3396	3413	3707
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
303	454	519	290	247	229	395	325	220	290	417	793
621	333	329	246	279	311	526	366	212	231	262	362
168	152	134	127	167	248	392	298	221	165	185	406
3105	2889	3113	2588	2662	2882	3375	3154	2704	2829	2939	3220
4264	3796	3725	3282	3403	3734	4392	4056	3485	3479	3584	4008
3769	3376	3572	3289	3430	3730	4381	4075	3587	3561	3598	4113
176	123	93	115	239	165	170	101	111	87	23	-54
-378	-246	-81	5	70	223	242	132	111	28	-45	-67
196	134	89	51	140	284	312	293	235	243	279	245
22	20	14	19	17	8	2	1	24	33	32	31
7	52	54	48	40	25	33	43	60	68	74	81
83	66	70	61	83	57	40	62	92	99	95	89
3259	2992	3192	2684	2884	3039	3543	3254	2791	2883	2930	3135
3879	3498	3590	3239	3433	3932	4601	4145	3536	3439	3465	3860
3882	3444	3591	3279	3487	3957	4653	4306	3730	3705	3782	4269
95	95	95	95	95	95	95	95	95	95	95	95
95	95	95	95	95	95	95	95	95	95	95	95
91	91	91	91	91	91	91	91	91	91	91	91
0,82	1,45	1,08	1,12	0,86	0,78	0,80	0,98	1,54	1,87	1,89	1,55
0,75	1,11	0,85	0,59	0,48	0,51	0,36	0,37	0,36	0,51	0,25	0,26
0,48	0,55	0,50	0,61	0,45	0,35	0,42	0,48	0,48	0,16	0,26	0,61
3914	3464	3809	3143	2862	3217	**4021**	3348	2999	2892	3158	3433
4306	4159	3919	3657	3541	4389	**5270**	4641	4049	3860	3746	4482
4534	4781	3972	4122	3942	4481	**5627**	4362	4426	4293	4749	4944
5561	4770	5288	4685	4701	5237	**5963**	5182	4802	4766	4798	5089
6386	5855	5366	5563	5316	6286	**6983**	5899	5941	5478	5561	6193
6479	6360	5730	5565	5641	6819	**8023**	5176	6678	6056	6203	7012
5811	5698	5764	4936	5310	6166	**6503**	6073	5349	5421	5395	5960
6876	6663	6510	5986	6424	**7699**	7183	7605	6862	6467	6568	7182
6668	6938	6199	5782	5920	6870	**8270**	5524	6739	6360	6872	7735
5881	3490	3811	3178	5049	5588	**6325**	5515	5207	5060	5044	5347
6714	6032	5629	5563	6016	6284	**8531**	6405	6141	6141	5858	6393
6159	6085	5569	5554	5294	6261	**7414**	4642	6074	5663	5731	6664

Physical exchanges in interconnected operation[1]

MM_YY	GR→AL	GR→BG	GR→I	GR→JIEL	GR_UCTE_EXP	GR_III_EXP	GR_CENTREL_EXP	AL→GR	BG→GR	I→GR	JIEL→GR	GR_UCTE_IMP	GR_III_IMP	GR_CENTREL_IMP	GR_UCTE_SLD	GR_III_SLD	GR_CENTREL_SLD
	Export (-)							Import (+)							Balance		
I.96	27	0	0	76	76	27	0	8	128	0	142	142	136	0	66	109	0
II.96	25	0	0	291	291	25	0	5	120	0	315	315	125	0	24	100	0
III.96	33	0	0	108	108	33	0	1	115	0	119	119	116	0	11	83	0
IV.96	12	3	0	4	4	15	0	22	5	0	106	106	27	0	102	12	0
V.96	5	10	0	2	2	15	0	57	68	0	131	131	125	0	129	110	0
VI.96	12	12	0	1	1	24	0	30	51	0	109	109	81	0	108	57	0
VII.96	25	0	0	2	2	25	0	23	10	0	164	164	33	0	162	8	0
VIII.96	35	0	0	5	5	35	0	4	6	0	131	131	10	0	126	-25	0
IX.96	41	3	0	1	1	44	0	2	42	0	112	112	44	0	111	0	0
X.96	51	1	0	128	128	52	0	0	67	0	199	199	67	0	71	15	0
XI.96	47	11	0	124	124	58	0	0	23	0	182	182	23	0	58	-35	0
XII.96	69	35	0	116	116	104	0	0	12	0	155	155	12	0	39	-92	0
1996	**382**	**75**	**0**	**858**	**858**	**457**	**0**	**152**	**647**	**0**	**1865**	**1865**	**799**	**0**	**1007**	**342**	**0**
I.00	0	124	0	72	72	124	0	0	5	0	3	3	5	0	-69	-119	0
II.00	154	39	0	78	78	193	0	1	19	0	5	5	20	0	-73	-173	0
III.00	85	9	0	58	58	94	0	2	57	0	12	12	59	0	-46	-35	0
IV.00	24	10	0	38	38	34	0	7	57	0	13	13	64	0	-25	30	0
V.00	16	4	0	18	18	20	0	23	55	0	30	30	78	0	12	58	0
VI.00	37	0	0	0	0	37	0	14	107	0	139	139	121	0	139	84	0
VII.00	47	0	0	0	0	47	0	2	142	0	145	145	144	0	145	97	0
VIII.00	139	0	0	1	1	139	0	0	147	0	125	125	147	0	124	8	0
IX.00	136	0	0	9	9	136	0	0	179	0	77	77	179	0	68	43	0
X.00	67	4	0	36	36	71	0	0	102	0	33	33	102	0	-3	31	0
XI.00	87	10	0	36	36	97	0	0	70	0	19	19	70	0	-17	-27	0
XII.00	130	2	0	76	76	132	0	0	125	0	16	16	125	0	-60	-7	0
2000	**922**	**202**	**0**	**422**	**422**	**1124**	**0**	**49**	**1065**	**0**	**617**	**617**	**1114**	**0**	**195**	**-10**	**0**
I.01	98	0	0	9	9	98	0	0	249	0	54	54	249	0	45	151	0
II.01	106	0	0	18	18	106	0	0	229	0	29	29	229	0	11	123	0
III.01	77	1	0	5	5	78	0	0	61	0	111	111	61	0	106	-17	0
IV.01	88	2	0	2	2	90	0	0	59	0	84	84	59	0	82	-31	0
V.01	60	0	0	1	1	60	0	1	82	0	119	119	83	0	118	23	0
VI.01	27	0	0	0	0	27	0	6	143	0	164	164	149	0	164	122	0
VII.01	50	0	0	1	1	50	0	1	225	0	138	138	226	0	137	176	0
VIII.01	109	0	0	5	5	109	0	0	337	0	71	71	337	0	66	228	0
IX.01	76	0	0	6	6	76	0	1	193	0	123	123	194	0	117	118	0
X.01	94	0	6	1	7	94	0	0	236	14	96	110	236	0	103	142	0
XI.01	92	0	0	2	2	92	0	0	291	0	82	82	291	0	80	199	0
XII.01	120	0	0	5	5	120	0	0	303	0	68	68	303	0	63	183	0
2001	**997**	**3**	**6**	**55**	**61**	**1000**	**0**	**9**	**2408**	**14**	**1139**	**1153**	**2417**	**0**	**1092**	**1417**	**0**

[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]

ITALIA | GWh

MM_YY	I→A	I→CH	I→F	I→GR	I→SLO	I_UCTE_EXP	I_III_EXP	I_CENTREL_EXP	A→I	CH→I	F→I	GR→I	SLO→I	I_UCTE_IMP	I_III_IMP	I_CENTREL_IMP	I_UCTE_SLD	I_III_SLD	I_CENTREL_SLD
	Export (-)								Import (+)								Balance		
I.96	0	0	16	0	55	71	0	0	116	1301	1651	0	127	3195	0	0	3124	0	0
II.96	0	4	22	0	77	103	0	0	98	1271	1535	0	64	2968	0	0	2865	0	0
III.96	0	4	22	0	63	89	0	0	98	1409	1529	0	58	3094	0	0	3005	0	0
IV.96	0	0	14	0	25	39	0	0	128	1500	1380	0	151	3159	0	0	3120	0	0
V.96	0	0	14	0	17	31	0	0	131	1681	1549	0	147	3508	0	0	3477	0	0
VI.96	0	2	28	0	46	76	0	0	137	1756	1471	0	71	3435	0	0	3359	0	0
VII.96	0	2	17	0	57	76	0	0	149	1789	1375	0	78	3391	0	0	3315	0	0
VIII.96	0	0	27	0	65	92	0	0	75	1114	1124	0	48	2361	0	0	2269	0	0
IX.96	0	1	22	0	41	64	0	0	133	1489	1426	0	89	3137	0	0	3073	0	0
X.96	0	4	16	0	10	30	0	0	116	1268	1623	0	212	3219	0	0	3189	0	0
XI.96	0	1	7	0	17	25	0	0	116	1442	1491	0	222	3271	0	0	3246	0	0
XII.96	0	2	23	0	34	59	0	0	126	1451	1637	0	181	3395	0	0	3336	0	0
1996	**0**	**20**	**228**	**0**	**507**	**755**	**0**	**0**	**1423**	**17471**	**17791**	**0**	**1448**	**38133**	**0**	**0**	**37378**	**0**	**0**
I.00	0	0	44	0	1	45	0	0	171	1760	1190	0	415	3536	0	0	3491	0	0
II.00	0	0	34	0	0	34	0	0	158	1757	1228	0	409	3552	0	0	3518	0	0
III.00	0	1	44	0	0	45	0	0	172	1962	1330	0	411	3875	0	0	3830	0	0
IV.00	0	0	49	0	0	49	0	0	158	1766	1105	0	556	3585	0	0	3536	0	0
V.00	0	1	28	0	7	36	0	0	186	1926	1402	0	379	3893	0	0	3857	0	0
VI.00	0	3	32	0	21	56	0	0	176	1896	1524	0	219	3815	0	0	3759	0	0
VII.00	0	0	32	0	8	40	0	0	178	1949	1454	0	264	3845	0	0	3805	0	0
VIII.00	0	2	39	0	21	62	0	0	103	1275	953	0	114	2445	0	0	2383	0	0
IX.00	0	3	22	0	7	32	0	0	129	1849	1389	0	209	3576	0	0	3544	0	0
X.00	0	0	18	0	8	26	0	0	182	2295	1371	0	420	4268	0	0	4242	0	0
XI.00	0	0	22	0	0	22	0	0	169	1924	1575	0	524	4192	0	0	4170	0	0
XII.00	0	0	29	0	0	29	0	0	164	1976	1621	0	589	4350	0	0	4321	0	0
2000	**0**	**10**	**393**	**0**	**73**	**476**	**0**	**0**	**1946**	**22335**	**16142**	**0**	**4509**	**44932**	**0**	**0**	**44456**	**0**	**0**
I.01	0	0	29	0	0	29	0	0	166	2032	1706	0	546	4450	0	0	4421	0	0
II.01	0	0	29	0	0	29	0	0	136	1800	1516	0	540	3992	0	0	3963	0	0
III.01	0	0	29	0	0	29	0	0	145	1874	1811	0	622	4452	0	0	4423	0	0
IV.01	0	0	31	0	0	31	0	0	162	1841	1672	0	591	4266	0	0	4235	0	0
V.01	0	0	44	0	0	44	0	0	169	1933	1405	0	455	3962	0	0	3918	0	0
VI.01	0	2	31	0	7	40	0	0	165	1920	1404	0	308	3797	0	0	3757	0	0
VII.01	0	2	32	0	17	51	0	0	165	1882	1586	0	246	3879	0	0	3828	0	0
VIII.01	0	31	60	0	23	114	0	0	73	1136	1129	0	109	2447	0	0	2333	0	0
IX.01	0	7	21	0	3	31	0	0	165	2166	1329	0	338	3998	0	0	3967	0	0
X.01	0	0	13	14	7	34	0	0	178	2457	1674	6	367	4682	0	0	4648	0	0
XI.01	0	0	29	0	8	37	0	0	164	2323	1612	0	428	4527	0	0	4490	0	0
XII.01	0	0	77	0	1	78	0	0	175	2462	1354	0	583	4574	0	0	4496	0	0
2001	**0**	**42**	**425**	**14**	**66**	**547**	**0**	**0**	**1863**	**23826**	**18198**	**6**	**5133**	**49026**	**0**	**0**	**48479**	**0**	**0**

[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".

ITALIA

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	184534
			2000	212112
			2001	212223
Thermal nuclear net production	GWh	Σ	1996	0
			2000	0
			2001	0
Hydraulic net production	GWh	Σ	1996	46080
			2000	50314
			2001	54209
Total net electrical energy production	GWh	Σ	1996	230614
			2000	262426
			2001	266432
Total physical import / export balance [1]	GWh	Σ	1996	37389
			2000	44457
			2001	48479
Consumption of pumps	GWh	Σ	1996	6844
			2000	9177
			2001	9430
National electrical consumption	GWh	Σ	1996	261159
			2000	297706
			2001	305481
National electrical consumption as percentage of total values	%	∅ pond.	1996	100
			2000	100
			2001	100
Energy capability factor (hydro power)		∅ pond.	1996	0,98
			2000	1,00
			2001	1,07
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	24183
			2000	28591
			2001	29678
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	40727
			2000	46893
			2001	49051
Peak load on the 3rd Wednesday	MW	max.	1996	42064
			2000	49019
			2001	51277
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	36900
			2000	42305
			2001	44804

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

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
17287	16871	17666	14764	14172	14448	15464	12762	15476	15918	14949	14757
18992	18868	19644	16440	16227	17268	18467	16357	18980	17262	16683	16924
18452	17402	17973	15798	16240	16407	17971	16528	18037	18558	18904	19953
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
3329	3100	3186	3324	4574	4535	4408	3591	3335	4113	4329	4256
3609	2979	2938	3858	5488	4978	4410	3833	3465	4720	5412	4624
4573	3747	4573	4452	6108	6083	6214	4697	3601	3963	3362	2836
20616	19971	20852	18088	18746	18983	19872	16353	18811	20031	19278	19013
22601	21847	22582	20298	21715	22246	22877	20190	22445	21982	22095	21548
23025	21149	22546	20250	22348	22490	24185	21225	21638	22521	22266	22789
3124	2866	3005	3121	3478	3363	3318	2267	3075	3192	3245	3335
3491	3518	3830	3537	3857	3759	3805	2383	3544	4242	4170	4321
4421	3963	4423	4235	3918	3757	3828	2333	3967	4648	4490	4496
681	571	792	634	455	593	463	425	465	600	638	527
861	708	805	750	825	684	690	674	739	765	810	866
925	756	790	805	832	717	745	717	631	784	818	910
23059	22266	23065	20575	21769	21753	22727	18195	21421	22623	21885	21821
25231	24657	25607	23085	24747	25321	25992	21899	25250	25459	25455	25003
26521	24356	26179	23680	25434	25530	27268	22841	24974	26385	25938	26375
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	100	100	100	100	100	100	100	100	100	100	100
1,02	0,93	0,80	0,81	0,96	0,84	0,83	0,94	0,79	1,31	1,45	1,37
0,87	0,78	0,77	1,03	1,06	0,81	0,73	0,95	0,78	1,50	1,65	1,35
1,52	1,14	1,35	1,06	1,25	1,07	1,08	1,09	0,79	0,81	0,64	1,04
22420	22577	22561	22005	22003	23696	**24183**	18911	22647	22380	21924	22589
26748	26562	26573	26698	27168	28173	28258	20097	**28591**	26950	27707	27620
28137	27950	27093	26577	27404	28141	**29678**	21061	27715	27889	28097	28759
40097	**40727**	39053	37122	36540	39369	40576	28297	38704	38657	39453	40009
44758	45136	43083	43127	42448	45322	44708	29332	45781	42896	44978	**46893**
48147	45988	44067	44201	43824	44542	47416	25013	43867	44291	46449	**49051**
41885	41044	39857	38049	37155	39455	40793	28660	38924	38982	40716	**42064**
46427	45481	43572	43645	42635	45322	44708	30966	45781	43427	47212	**49019**
49129	46634	44506	44505	44076	44779	47416	27915	44111	44949	49270	**51277**
36900	35600	35000	32637	31650	34007	35666	24879	33547	33605	34837	36412
40666	39492	37503	37755	36362	39265	38734	26503	40380	36874	40284	**42305**
42239	39624	37724	37577	37912	38318	41489	24494	37567	37706	42003	**44804**

SLOVENIJA

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	n.a.
			2000	4474
			2001	4234
Thermal nuclear net production	GWh	Σ	1996	n.a.
			2000	4542
			2001	5079
Hydraulic net production	GWh	Σ	1996	n.a.
			2000	3513
			2001	3270
Total net electrical energy production	GWh	Σ	1996	n.a.
			2000	12529
			2001	12583
Total physical import / export balance [1]	GWh	Σ	1996	n.a
			2000	-1349
			2001	-1792
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	0
			2001	0
National electrical consumption	GWh	Σ	1996	n.a.
			2000	11180
			2001	10791
National electrical consumption as percentage of total values	%	∅ pond.	1996	n.a.
			2000	95
			2001	95
Energy capability factor (hydro power)		∅ pond.	1996	n.a.
			2000	0,82
			2001	0,92
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	1070
			2001	1142
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	1576
			2001	1713
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	1698
			2001	1789
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	1919
			2001	1888

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

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.
433	379	421	352	828	370	255	254	371	245	237	329
262	343	392	384	400	215	261	288	300	403	475	511
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
457	432	460	199	0	165	479	438	416	500	489	507
506	455	503	428	95	214	483	447	477	503	488	480
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
160	145	183	298	385	305	310	288	192	390	455	402
369	248	332	328	449	212	332	219	258	229	170	124
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1050	956	1064	849	1213	840	1044	980	979	1135	1181	1238
1137	1046	1227	1140	944	641	1076	954	1035	1135	1133	1115
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-61	-68	-117	-24	31	39	-189	-142	-84	-210	-239	-285
-152	-175	-259	-259	-47	-72	-179	-85	-139	-182	-154	-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.
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.
989	888	947	825	1244	879	855	838	895	925	942	953
985	871	968	881	897	569	897	869	896	953	979	1026
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
95	95	95	95	95	95	95	95	95	95	95	95
95	95	95	95	95	95	95	95	95	95	95	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.
0,90	0,97	0,83	1,02	0,99	0,74	0,80	0,85	0,68	1,36	1,49	0,38
0,45	0,31	0,83	1,12	1,02	0,84	0,92	1,09	1,10	0,90	0,83	1,49
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1055	0	1013	964	980	996	928	828	1002	991	967	**1070**
1090	1042	1019	1019	963	1011	972	887	985	1026	1059	**1142**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1540	1550	1464	1388	1393	1440	1342	1298	1467	1464	1481	**1576**
1638	1515	1504	1513	1434	1429	1427	1041	1492	1532	1605	**1713**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1650	1634	1580	1461	1452	1490	1381	1378	1554	1555	1631	**1698**
1695	1618	1568	1568	1488	1470	1483	1085	1575	1646	1601	**1789**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1529	1545	1580	1118	1307	1417	1635	1443	1589	1703	1691	**1919**
1647	1648	1813	1813	1327	1631	1631	1230	1685	1681	1796	**1888**

SLOVENIJA | GWh

Physical exchanges in interconnected operation[1]

MM_YY	SLO→A	SLO→I	SLO→HR	SLO_UCTE_EXP	SLO_III_EXP	SLO_CENTREL_EXP	A→SLO	I→SLO	HR→SLO	SLO_UCTE_IMP	SLO_III_IMP	SLO_CENTREL_IMP	SLO_UCTE_SLD	SLO_III_SLD	SLO_CENTREL_SLD
	Export (-)						Import (+)						Balance		
I.96	5	127	n.a.	n.a.	0	0	132	55	n.a.	n.a.	0	0	n.a.	0	0
II.96	3	64	n.a.	n.a.	0	0	118	77	n.a.	n.a.	0	0	n.a.	0	0
III.96	5	58	n.a.	n.a.	0	0	116	63	n.a.	n.a.	0	0	n.a.	0	0
IV.96	27	151	n.a.	n.a.	0	0	61	25	n.a.	n.a.	0	0	n.a.	0	0
V.96	30	147	n.a.	n.a.	0	0	111	17	n.a.	n.a.	0	0	n.a.	0	0
VI.96	1	71	n.a.	n.a.	0	0	161	46	n.a.	n.a.	0	0	n.a.	0	0
VII.96	2	78	n.a.	n.a.	0	0	165	57	n.a.	n.a.	0	0	n.a.	0	0
VIII.96	30	48	n.a.	n.a.	0	0	94	65	n.a.	n.a.	0	0	n.a.	0	0
IX.96	2	89	n.a.	n.a.	0	0	114	41	n.a.	n.a.	0	0	n.a.	0	0
X.96	15	212	n.a.	n.a.	0	0	64	10	n.a.	n.a.	0	0	n.a.	0	0
XI.96	18	222	n.a.	n.a.	0	0	95	17	n.a.	n.a.	0	0	n.a.	0	0
XII.96	13	181	n.a.	n.a.	0	0	88	34	n.a.	n.a.	0	0	n.a.	0	0
1996	**151**	**1448**	n.a.	n.a.	**0**	**0**	**1319**	**507**	n.a.	n.a.	**0**	**0**	**n.a.**	**0**	**0**
I.00	0	415	0	415	0	0	263	1	90	354	0	0	-61	0	0
II.00	2	409	0	411	0	0	255	0	88	343	0	0	-68	0	0
III.00	2	411	0	413	0	0	272	0	24	296	0	0	-117	0	0
IV.00	2	556	0	558	0	0	251	0	283	534	0	0	-24	0	0
V.00	0	379	91	470	0	0	314	7	180	501	0	0	31	0	0
VI.00	0	219	225	444	0	0	305	21	157	483	0	0	39	0	0
VII.00	0	264	399	663	0	0	313	8	153	474	0	0	-189	0	0
VIII.00	2	114	407	523	0	0	257	21	103	381	0	0	-142	0	0
IX.00	0	209	322	531	0	0	233	7	207	447	0	0	-84	0	0
X.00	0	420	366	786	0	0	302	8	266	576	0	0	-210	0	0
XI.00	2	524	337	863	0	0	257	0	367	624	0	0	-239	0	0
XII.00	11	589	308	908	0	0	215	0	408	623	0	0	-285	0	0
2000	**21**	**4509**	**2455**	**6985**	**0**	**0**	**3237**	**73**	**2326**	**5636**	**0**	**0**	**-1349**	**0**	**0**
I.01	8	546	257	811	0	0	199	0	460	659	0	0	-152	0	0
II.01	4	540	239	783	0	0	247	0	360	607	0	0	-176	0	0
III.01	24	622	270	916	0	0	190	0	473	663	0	0	-253	0	0
IV.01	8	591	271	870	0	0	168	0	443	611	0	0	-259	0	0
V.01	0	455	157	612	0	0	296	0	269	565	0	0	-47	0	0
VI.01	0	308	269	577	0	0	345	7	153	505	0	0	-72	0	0
VII.01	0	246	365	611	0	0	274	17	141	432	0	0	-179	0	0
VIII.01	4	109	357	470	0	0	225	23	137	385	0	0	-85	0	0
IX.01	0	338	310	648	0	0	298	3	208	509	0	0	-139	0	0
X.01	0	367	317	684	0	0	260	7	235	502	0	0	-182	0	0
XI.01	8	428	251	687	0	0	205	8	320	533	0	0	-154	0	0
XII.01	6	583	203	792	0	0	320	1	382	703	0	0	-89	0	0
2001	**62**	**5133**	**3266**	**8461**	**0**	**0**	**3027**	**66**	**3581**	**6674**	**0**	**0**	**-1787**	**0**	**0**

[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".

HRVATSKA | GWh

Physical exchanges in interconnected operation[1]

MM_YY	HR→BiH	HR→H	HR→JIEL	HR→SLO	HR_UCTE_EXP	HR_III_EXP	HR_CENTREL_EXP	BiH→HR	H→HR	JIEL→HR	SLO→HR	HR_UCTE_IMP	HR_III_IMP	HR_CENTREL_IMP	HR_UCTE_SLD	HR_III_SLD	HR_CENTREL_SLD
	Export (-)							Import (+)							Balance		
I.96	n.a.	0	0	n.a.	n.a.	0	0	n.a.	7	0	n.a.	n.a.	0	7	n.a.	0	7
II.96	n.a.	0	0	n.a.	n.a.	0	0	n.a.	3	0	n.a.	n.a.	0	3	n.a.	0	3
III.96	n.a.	3	0	n.a.	n.a.	0	3	n.a.	0	0	n.a.	n.a.	0	0	n.a.	0	-3
IV.96	n.a.	3	0	n.a.	n.a.	0	3	n.a.	0	0	n.a.	n.a.	0	0	n.a.	0	-3
V.96	n.a.	0	0	n.a.	n.a.	0	0	n.a.	6	0	n.a.	n.a.	0	6	n.a.	0	6
VI.96	n.a.	0	0	n.a.	n.a.	0	0	n.a.	10	0	n.a.	n.a.	0	10	n.a.	0	10
VII.96	n.a.	0	0	n.a.	n.a.	0	0	n.a.	8	0	n.a.	n.a.	0	8	n.a.	0	8
VIII.96	n.a.	0	0	n.a.	n.a.	0	0	n.a.	10	0	n.a.	n.a.	0	10	n.a.	0	10
IX.96	n.a.	3	0	n.a.	n.a.	0	3	n.a.	3	0	n.a.	n.a.	0	3	n.a.	0	0
X.96	n.a.	4	0	n.a.	n.a.	0	4	n.a.	7	0	n.a.	n.a.	0	7	n.a.	0	3
XI.96	n.a.	2	0	n.a.	n.a.	0	2	n.a.	9	0	n.a.	n.a.	0	9	n.a.	0	7
XII.96	n.a.	2	0	n.a.	n.a.	0	2	n.a.	10	0	n.a.	n.a.	0	10	n.a.	0	8
1996	**n.a.**	**17**	**0**	**n.a.**	**n.a.**	0	**17**	**n.a.**	**73**	**0**	**n.a.**	**n.a.**	0	**73**	**n.a.**	0	**56**
I.00	62	0	0	90	152	0	0	0	384	0	0	0	0	384	-152	0	384
II.00	39	0	0	88	127	0	0	0	445	0	0	0	0	445	-127	0	445
III.00	51	0	0	24	75	0	0	0	451	0	0	0	0	451	-75	0	451
IV.00	0	0	0	283	283	0	0	31	358	19	0	50	0	358	-233	0	358
V.00	0	0	0	180	180	0	0	0	354	16	91	107	0	354	-73	0	354
VI.00	0	0	0	157	157	0	0	0	311	16	225	241	0	311	84	0	311
VII.00	0	0	0	153	153	0	0	0	325	19	399	418	0	325	265	0	325
VIII.00	0	0	0	103	103	0	0	0	225	18	407	425	0	225	322	0	225
IX.00	0	0	0	207	207	0	0	0	393	19	322	341	0	393	134	0	393
X.00	0	0	0	266	266	0	0	0	469	7	366	373	0	469	107	0	469
XI.00	0	0	0	367	367	0	0	0	362	14	337	351	0	362	-16	0	362
XII.00	0	0	0	408	408	0	0	0	394	0	308	308	0	394	-100	0	394
2000	**152**	**0**	**0**	**2326**	**2478**	**0**	**0**	**31**	**4471**	**128**	**2455**	**2614**	**0**	**4471**	**136**	**0**	**4471**
I.01	160	0	0	460	620	0	0	70	390	0	257	327	0	390	-293	0	390
II.01	147	0	0	360	507	0	0	80	357	0	239	319	0	357	-188	0	357
III.01	100	0	1	473	574	0	0	116	336	0	270	386	0	336	-188	0	336
IV.01	124	0	0	443	567	0	0	71	287	0	271	342	0	287	-225	0	287
V.01	99	0	0	269	368	0	0	63	316	0	157	220	0	316	-148	0	316
VI.01	179	0	0	153	332	0	0	18	303	0	269	287	0	303	-45	0	303
VII.01	146	0	0	141	287	0	0	17	250	0	365	382	0	250	95	0	250
VIII.01	144	0	0	137	281	0	0	24	245	0	357	381	0	245	100	0	245
IX.01	153	0	0	208	361	0	0	17	392	0	310	327	0	392	-34	0	392
X.01	184	3	0	235	419	0	3	25	506	0	317	342	0	506	-77	0	503
XI.01	162	0	0	320	482	0	0	40	600	0	251	291	0	600	-191	0	600
XII.01	169	0	0	382	551	0	0	45	711	0	203	248	0	711	-303	0	711
2001	**1767**	**3**	**1**	**3581**	**5349**	**0**	**3**	**586**	**4693**	**0**	**3266**	**3852**	**0**	**4693**	**-1497**	**0**	**4690**

[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".

HRVATSKA

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	n.a
			2000	4025
			2001	4711
Thermal nuclear net production	GWh	Σ	1996	n.a
			2000	0
			2001	0
Hydraulic net production	GWh	Σ	1996	n.a
			2000	5804
			2001	6551
Total net electrical energy production	GWh	Σ	1996	n.a.
			2000	9829
			2001	11262
Total physical import / export balance [1]	GWh	Σ	1996	n.a.
			2000	3952
			2001	3190
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	18
			2001	49
National electrical consumption	GWh	Σ	1996	n.a.
			2000	13763
			2001	14403
National electrical consumption as percentage of total values	%	∅ pond.	1996	n.a
			2000	100
			2001	100
Energy capability factor (hydro power)		∅ pond.	1996	-
			2000	-
			2001	1,03
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	1419
			2001	1685
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	2329
			2001	2630
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	2430
			2001	2713
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	2151
			2001	2630

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

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.
451	388	362	327	235	361	423	406	371	191	218	292
388	317	285	296	259	328	436	454	377	404	484	683
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.
768	562	526	594	453	315	223	231	206	400	711	815
885	733	835	793	607	436	344	321	357	319	426	495
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1219	950	888	921	688	676	646	637	577	591	929	1107
1273	1050	1120	1089	866	764	780	775	734	723	910	1178
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
232	318	376	125	309	333	427	440	450	504	215	223
99	171	111	66	172	261	348	347	360	429	414	412
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	4	9	5
12	4	1	4	1	4	6	1	5	6	0	5
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1451	1268	1264	1046	997	1009	1073	1077	1027	1091	1135	1325
1360	1217	1230	1151	1037	1021	1122	1121	1089	1146	1324	1585
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
100	100	100	100	100	100	100	95	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	100
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
1,06	0,97	0,78	1,80	1,01	0,82	1,00	1,15	1,03	0,69	0,83	1,64
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1419	1276	1178	991	991	1052	1045	1009	1081	1008	1091	1289
1349	1310	1178	1267	987	1030	1135	1101	1097	1062	1345	**1685**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2329	2184	1990	1631	1607	1710	1708	1737	1694	1643	1741	2151
2313	2118	1882	2011	1630	1739	1789	1513	1898	1769	2191	**2630**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2430	2262	2147	1786	1729	1794	1762	1834	1892	1830	1977	2304
2375	2255	2043	2152	1727	1776	1852	1611	1974	1966	2379	**2713**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1917	1572	1403	1311	1018	1056	1708	1737	1694	1643	1741	**2151**
2313	2118	1882	2011	1630	1739	1789	1513	1898	1769	2191	**2630**

				I-XII
Thermal conventional net production	GWh	Σ	1996	26947
			2000	27967
			2001	28547
Thermal nuclear net production	GWh	Σ	1996	0
			2000	0
			2001	0
Hydraulic net production	GWh	Σ	1996	18822
			2000	13157
			2001	13197
Total net electrical energy production	GWh	Σ	1996	45769
			2000	41124
			2001	41744
Total physical import / export balance [1]	GWh	Σ	1996	706
			2000	3109
			2001	4229
Consumption of pumps	GWh	Σ	1996	1454
			2000	727
			2001	1046
National electrical consumption	GWh	Σ	1996	45021
			2000	43506
			2001	44927
National electrical consumption as percentage of total values	%	∅ pond.	1996	96
			2000	96
			2001	96
Energy capability factor (hydro power)		∅ pond.	1996	1,16
			2000	0,90
			2001	0,93
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	5643
			2000	5464
			2001	6582
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	7697
			2000	7445
			2001	8025
Peak load on the 3rd Wednesday	MW	max.	1996	7968
			2000	7886
			2001	8297
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	6917
			2000	6351
			2001	6477

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

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
3044	2813	3038	2104	1334	1688	1757	1973	2001	2162	2384	2649
2916	2867	2686	1928	1865	1969	2119	2191	2319	2052	2354	2701
2940	2479	2554	2318	1736	1882	2088	1904	1979	2366	2850	3451
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
1838	1720	1618	1870	1928	1261	1170	1028	1195	1452	1580	2162
1610	1278	1544	1461	1182	1020	972	772	544	946	912	916
1190	1168	1336	1507	1303	1082	922	799	877	825	1043	1145
4882	4533	4656	3974	3262	2949	2927	3001	3196	3614	3964	4811
4526	4145	4230	3389	3047	2989	3091	2963	2863	2998	3266	3617
4130	3647	3890	3825	3039	2964	3010	2703	2856	3191	3893	4596
118	236	271	-91	-271	-136	-52	-96	66	248	160	253
642	457	255	44	0	-159	-192	-44	164	330	513	1099
932	802	309	24	44	-8	23	295	250	264	511	783
81	81	290	229	150	48	45	46	125	138	121	100
50	95	111	169	109	2	14	19	55	32	42	29
159	90	165	135	72	44	64	49	110	67	61	30
4919	4688	4637	3654	2841	2765	2830	2859	3137	3724	4003	4964
5118	4507	4374	3264	2938	2828	2885	2900	2972	3296	3737	4687
4903	4359	4034	3714	3011	2912	2969	2949	2996	3388	4343	5349
96	96	96	96	96	96	96	96	96	96	96	96
96	96	96	96	96	96	96	96	96	96	96	96
96	96	96	96	96	96	96	96	96	96	96	96
1,44	0,72	0,97	1,46	1,12	0,80	1,20	0,30	1,98	1,55	1,06	1,34
1,17	1,12	1,14	1,25	0,61	0,63	0,70	0,83	0,67	1,02	0,75	0,71
1,17	1,05	1,03	1,01	0,80	0,86	0,89	0,83	1,35	0,76	0,81	0,71
5643	5129	5127	4951	2684	2734	2714	2869	3102	3205	3965	4959
5464	4996	4359	2824	2779	2865	2791	2885	2881	2998	3653	5265
5625	5277	3952	4357	2922	2930	3039	2897	3187	3116	5328	**6582**
7697	7054	6956	6951	4677	4494	4361	4447	5106	5134	5599	6839
7315	7011	6183	4703	4516	4628	4552	4398	4629	4985	5338	**7445**
7728	7325	5871	6243	4655	4839	4476	4366	5080	4876	6847	**8025**
7968	7406	7479	7122	5026	4772	4651	4905	5714	6065	6492	7441
7886	7318	7244	5233	4992	4918	4843	4791	5235	5690	6385	7471
8058	7570	6524	6339	5239	4961	4909	4836	5538	5755	7176	**8297**
4862	4455	4640	3941	3167	2924	2908	2997	3235	3597	5599	**6917**
6351	6200	6031	4661	4412	4932	5033	4630	4278	4881	4999	5603
6477	6160	5767	5889	4850	4868	4209	3701	4444	4192	5889	6432

Physical exchanges in interconnected operation[1]

MM_YY	JIEL→AL	JIEL→BG	JIEL→BiH	JIEL→GR	JIEL→H	JIEL→HR	JIEL→RO	JIEL_UCTE_EXP	JIEL_III_EXP	JIEL_CENTREL_EXP	AL→JIEL	BG→JIEL	BiH→JIEL	GR→JIEL	H→JIEL	HR→JIEL	RO→JIEL	JIEL_UCTE_IMP	JIEL_III_IMP	JIEL_CENTREL_IMP	JIEL_UCTE_SLD	JIEL_III_SLD	JIEL_CENTREL_SLD
	Export (-)										Import (+)										Balance		
I.96	0	0	n.a.	142	0	0	2	142	2	0	8	5	n.a.	76	53	0	44	76	57	53	-66	55	53
II.96	4	0	n.a.	315	0	0	8	315	12	0	10	134	n.a.	291	76	0	26	291	170	76	-24	158	76
III.96	1	0	n.a.	119	0	0	68	119	69	0	168	78	n.a.	108	94	0	2	108	248	94	-11	179	94
IV.96	9	5	n.a.	106	16	0	78	106	92	16	122	1	n.a.	4	0	0	4	4	127	0	-102	35	-16
V.96	0	67	n.a.	131	5	0	90	131	157	5	0	8	n.a.	2	0	0	2	2	10	0	-129	-147	-5
VI.96	2	40	n.a.	109	11	0	110	109	152	11	119	8	n.a.	1	0	0	0	1	127	0	-108	-25	-11
VII.96	7	2	n.a.	164	0	0	40	164	49	0	55	74	n.a.	2	12	0	12	2	141	12	-162	92	12
VIII.96	16	23	n.a.	131	0	0	47	131	86	0	32	29	n.a.	5	42	0	6	5	67	42	-126	-19	42
IX.96	2	8	n.a.	112	0	0	20	112	30	0	63	80	n.a.	1	0	0	45	1	188	0	-111	158	0
X.96	7	2	n.a.	199	0	0	0	199	9	0	85	117	n.a.	128	0	0	102	128	304	0	-71	295	0
XI.96	6	0	n.a.	182	9	0	7	182	13	9	90	87	n.a.	124	1	0	43	124	220	1	-58	207	-8
XII.96	21	0	n.a.	155	12	0	12	155	33	12	116	114	n.a.	116	13	0	61	116	291	13	-39	258	1
1996	**75**	**147**	**n.a.**	**1865**	**53**	**0**	**482**	**1865**	**704**	**53**	**868**	**735**	**n.a.**	**858**	**291**	**0**	**347**	**858**	**1950**	**291**	**-1007**	**1246**	**238**
I.00	2	2	96	3	0	0	7	99	11	0	30	140	311	72	118	0	81	383	251	118	284	240	118
II.00	0	10	79	5	0	0	38	84	48	0	33	63	256	78	137	0	23	334	119	137	250	71	137
III.00	5	50	77	12	0	0	74	89	129	0	41	17	333	58	7	0	16	391	74	7	302	-55	7
IV.00	1	33	114	13	0	19	50	146	84	0	30	18	179	38	0	0	8	217	56	0	71	-28	0
V.00	1	51	83	30	0	16	40	129	92	0	12	9	170	18	1	0	13	188	34	1	59	-58	1
VI.00	0	59	93	139	0	16	38	248	97	0	0	4	167	0	2	0	13	167	17	2	-81	-80	2
VII.00	17	47	99	145	0	19	96	263	160	0	0	4	197	0	25	0	4	197	8	25	-66	-152	25
VIII.00	7	32	81	125	0	18	86	224	125	0	3	31	152	1	103	0	14	153	48	103	-71	-77	103
IX.00	1	7	45	77	0	19	20	141	28	0	0	73	125	9	84	0	42	134	115	84	-7	87	84
X.00	3	3	90	33	0	7	5	130	11	0	5	140	137	36	56	0	97	173	242	56	43	231	56
XI.00	50	6	37	19	0	14	6	70	62	0	5	101	324	36	73	0	108	360	214	73	290	152	73
XII.00	33	0	67	16	0	0	0	83	33	0	14	295	336	76	160	0	334	412	643	160	329	610	160
2000	**120**	**300**	**961**	**617**	**0**	**128**	**460**	**1706**	**880**	**0**	**173**	**895**	**2687**	**422**	**766**	**0**	**753**	**3109**	**1821**	**766**	**1403**	**941**	**766**
I.01	72	0	47	54	0	0	0	101	72	0	0	245	379	9	142	0	330	388	575	142	287	503	142
II.01	99	0	41	29	0	0	0	70	99	0	0	219	381	18	138	0	217	399	436	138	329	337	138
III.01	96	4	31	111	0	0	17	142	117	0	0	48	458	5	25	1	31	464	79	25	322	-38	25
IV.01	70	51	59	84	0	0	77	143	198	0	0	7	348	2	1	0	7	350	14	1	207	-184	1
V.01	72	27	73	119	0	0	18	192	117	0	3	16	281	1	29	0	24	282	43	29	90	-74	29
VI.01	36	87	54	164	0	0	58	218	181	0	3	5	280	0	95	0	8	280	16	95	62	-165	95
VII.01	41	41	86	138	0	0	66	224	148	0	23	23	234	1	105	0	10	235	56	105	11	-92	105
VIII.01	75	0	89	71	0	0	19	160	94	0	4	191	168	5	123	0	58	173	253	123	13	159	123
IX.01	51	1	36	123	0	0	21	159	73	0	5	175	166	6	96	0	34	172	214	96	13	141	96
X.01	71	12	30	96	0	0	7	126	90	0	5	67	182	1	144	0	79	183	151	144	57	61	144
XI.01	90	0	49	82	0	0	2	131	92	0	6	138	299	2	182	0	107	301	251	182	170	159	182
XII.01	50	0	100	68	0	0	0	168	50	0	7	245	259	5	195	0	290	264	542	195	96	492	195
2001	**823**	**223**	**695**	**1139**	**0**	**0**	**285**	**1834**	**1331**	**0**	**56**	**1379**	**3435**	**55**	**1275**	**1**	**1195**	**3491**	**2630**	**1275**	**1657**	**1299**	**1275**

[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]

LUXEMBOURG | GWh

MM_YY	L→B	L→D	L_UCTE_EXP	L_III_EXP	L_CENTREL_EXP	B→L	D→L	L_UCTE_IMP	L_III_IMP	L_CENTREL_IMP	L_UCTE_SLD	L_III_SLD	L_CENTREL_SLD
	Export (-)					Import (+)					Balance		
I.96	0	48	48	0	0	130	376	506	0	0	458	0	0
II.96	0	56	56	0	0	94	372	466	0	0	410	0	0
III.96	0	63	63	0	0	134	387	521	0	0	458	0	0
IV.96	0	64	64	0	0	120	356	476	0	0	412	0	0
V.96	0	71	71	0	0	111	361	472	0	0	401	0	0
VI.96	0	61	61	0	0	110	331	441	0	0	380	0	0
VII.96	0	73	73	0	0	115	334	449	0	0	376	0	0
VIII.96	0	77	77	0	0	63	314	377	0	0	300	0	0
IX.96	0	83	83	0	0	116	355	471	0	0	388	0	0
X.96	0	67	67	0	0	130	358	488	0	0	421	0	0
XI.96	0	74	74	0	0	128	366	494	0	0	420	0	0
XII.96	0	72	72	0	0	125	216	341	0	0	269	0	0
1996	**0**	**809**	**809**	**0**	**0**	**1376**	**4126**	**5502**	**0**	**0**	**4693**	**0**	**0**
I.00	0	64	64	0	0	164	392	556	0	0	492	0	0
II.00	0	68	68	0	0	184	378	562	0	0	494	0	0
III.00	0	48	48	0	0	198	363	561	0	0	513	0	0
IV.00	0	55	55	0	0	169	348	517	0	0	462	0	0
V.00	0	58	58	0	0	179	365	544	0	0	486	0	0
VI.00	0	56	56	0	0	172	343	515	0	0	459	0	0
VII.00	0	58	58	0	0	177	359	536	0	0	478	0	0
VIII.00	0	57	57	0	0	100	343	443	0	0	386	0	0
IX.00	0	60	60	0	0	111	364	475	0	0	415	0	0
X.00	0	60	60	0	0	157	386	543	0	0	483	0	0
XI.00	0	68	68	0	0	186	387	573	0	0	505	0	0
XII.00	0	85	85	0	0	170	413	583	0	0	498	0	0
2000	**0**	**737**	**737**	**0**	**0**	**1967**	**4441**	**6408**	**0**	**0**	**5671**	**0**	**0**
I.01	0	63	63	0	0	175	404	579	0	0	516	0	0
II.01	0	49	49	0	0	161	355	516	0	0	467	0	0
III.01	0	63	63	0	0	188	402	590	0	0	527	0	0
IV.01	0	65	65	0	0	164	370	534	0	0	469	0	0
V.01	0	57	57	0	0	177	340	517	0	0	460	0	0
VI.01	0	60	60	0	0	172	353	525	0	0	465	0	0
VII.01	0	36	36	0	0	169	341	510	0	0	474	0	0
VIII.01	0	70	70	0	0	110	367	477	0	0	407	0	0
IX.01	60	82	142	0	0	166	397	563	0	0	421	0	0
X.01	36	74	110	0	0	190	405	595	0	0	485	0	0
XI.01	151	64	215	0	0	173	396	569	0	0	354	0	0
XII.01	135	62	197	0	0	162	392	554	0	0	357	0	0
2001	**382**	**745**	**1127**	**0**	**0**	**2007**	**4522**	**6529**	**0**	**0**	**5402**	**0**	**0**

[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".

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Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	380
			2000	262
			2001	581
Thermal nuclear net production	GWh	Σ	1996	0
			2000	0
			2001	0
Hydraulic net production	GWh	Σ	1996	873
			2000	883
			2001	873
Total net electrical energy production	GWh	Σ	1996	1253
			2000	1145
			2001	1454
Total physical import / export balance [1]	GWh	Σ	1996	4901
			2000	5711
			2001	5511
Consumption of pumps	GWh	Σ	1996	1140
			2000	1022
			2001	1026
National electrical consumption	GWh	Σ	1996	5014
			2000	5834
			2001	5939
National electrical consumption as percentage of total values	%	∅ pond.	1996	99
			2000	99
			2001	99
Energy capability factor (hydro power)		∅ pond.	1996	-
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	643
			2000	727
			2001	729
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	755
			2000	859
			2001	824
Peak load on the 3rd Wednesday	MW	max.	1996	772
			2000	888
			2001	879
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	780
			2000	878
			2001	833

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

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
36	32	35	32	33	29	30	29	30	31	31	32
26	25	27	22	19	17	17	16	18	22	26	27
29	27	29	26	23	21	20	16	24	24	177	165
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
56	64	71	68	76	65	76	79	84	69	82	83
78	83	64	69	66	62	68	64	67	72	86	104
79	64	77	79	70	66	41	74	89	85	75	74
92	96	106	100	109	94	106	108	114	100	113	115
104	108	91	91	85	79	85	80	85	94	112	131
108	91	106	105	93	87	61	90	113	109	252	239
458	411	459	418	409	387	380	307	395	429	420	428
492	494	513	468	492	465	483	392	420	489	505	498
516	468	526	469	460	466	475	417	481	521	354	358
69	83	92	90	100	87	101	106	115	93	102	102
89	95	68	75	81	77	81	81	82	84	92	117
88	70	87	86	80	82	52	97	114	99	87	84
481	424	473	428	418	394	385	309	394	436	431	441
507	507	536	484	496	467	487	391	423	499	525	512
536	489	545	488	473	471	484	410	480	531	519	513
99	99	99	99	99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99	99	99	99	99
99	99	99	99	99	99	99	99	99	99	99	99
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
643	572	619	582	532	538	486	381	529	522	594	502
727	679	633	628	641	597	658	403	592	611	673	699
663	718	**729**	641	623	602	593	391	661	667	724	716
753	677	656	652	**755**	646	601	564	618	698	723	687
783	764	688	748	**859**	713	810	607	652	708	818	825
813	722	766	795	681	630	810	446	**824**	804	734	717
772	695	750	661	770	677	647	582	677	732	741	695
829	860	800	766	863	726	854	621	702	760	**888**	874
879	859	826	811	751	715	811	450	863	862	802	857
780	703	683	680	**780**	667	628	588	643	726	754	717
802	783	713	770	**878**	732	831	635	672	732	846	870
815	723	766	797	684	634	816	452	**833**	795	741	722

NEDERLAND

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	55024
			2000	49198
			2001	86669
Thermal nuclear net production	GWh	Σ	1996	3804
			2000	3712
			2001	3745
Hydraulic net production	GWh	Σ	1996	0
			2000	0
			2001	0
Total net electrical energy production	GWh	Σ	1996 [2]	58828
			2000 [2]	52910
			2001 [2]	90414
Total physical import / export balance [1]	GWh	Σ	1996	10792
			2000	18914
			2001	17284
Consumption of pumps	GWh	Σ	1996	0
			2000	0
			2001	0
National electrical consumption	GWh	Σ	1996	69620
			2000	71824
			2001	107698
National electrical consumption as percentage of total values	%	∅ pond.	1996	76
			2000	69
			2001	100
Energy capability factor (hydro power)		∅ pond.	1996	-
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	6263
			2000	6776
			2001	7712
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	11111
			2000	11648
			2001	13344
Peak load on the 3rd Wednesday	MW	max.	1996	11226
			2000	12255
			2001	13755
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	9422
			2000	8904
			2001	11361

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
4970	4896	4861	4288	4294	4164	4231	4427	4357	4798	4788	4950
4280	4100	4230	3875	4048	3798	3822	4176	4145	4329	4192	4203
7812	7038	7855	7047	6899	6707	6818	6809	7059	7330	7445	7850
300	81	110	359	376	363	374	362	363	376	366	374
333	333	333	327	336	286	335	328	282	153	327	339
337	306	337	326	336	324	329	314	140	335	325	336
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
5270	4977	4971	4647	4670	4527	4605	4789	4720	5174	5154	5324
4613	4433	4563	4202	4384	4084	4157	4504	4427	4482	4519	4542
8149	7344	8192	7373	7235	7031	7147	7123	7199	7665	7770	8186
955	813	884	853	935	998	930	1016	910	866	831	801
1467	1234	1470	1483	1477	1598	1578	1502	1719	1821	1788	1777
1494	1258	1134	1114	1406	1403	1481	1690	1571	1767	1563	1403
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
6225	5790	5855	5500	5605	5525	5535	5805	5630	6040	5985	6125
6080	5667	6033	5685	5861	5682	5735	6006	6146	6303	6307	6319
9643	8602	9326	8487	8641	8434	8628	8813	8770	9432	9333	9589
74	74	74	77	76	77	76	78	77	77	74	73
66	66	66	69	69	71	69	71	72	69	68	69
100	100	100	100	100	100	100	100	100	100	100	100
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
5533	5761	5229	5194	5287	5553	5425	**6263**	5349	5709	5683	5532
5273	5440	5238	5500	6222	**6776**	5609	6013	6134	5725	5820	5628
7236	6589	6895	6960	7125	**7712**	7066	7532	7057	6931	7044	7453
10837	10654	10218	10316	10504	10335	9869	10742	10274	10587	10899	**11111**
10958	10976	10849	10730	10633	11583	10112	10683	10963	11163	11460	**11648**
13102	12532	12804	12460	11856	12102	11624	12669	12489	12101	12600	**13344**
10852	10791	10316	10365	10559	10407	9900	10771	10311	10674	10999	**11226**
11569	10977	10900	10847	10721	11700	10324	10820	11279	11262	12240	**12255**
13348	12500	12939	12480	12090	12255	11783	12842	12622	12280	13371	**13755**
8815	8957	8437	8799	7591	8635	8058	8348	8641	9333	8683	**9422**
8043	**8904**	8329	8319	8379	8879	7859	8454	7818	8151	7861	8055
10456	10050	10494	10387	9292	9061	9125	9622	9572	9361	10093	**11361**

Physical exchanges in interconnected operation[1]

MM_YY	NL→B	NL→D	NL_UCTE_EXP	NL_III_EXP	NL_CENTREL_EXP	B→NL	D→NL	NL_UCTE_IMP	NL_III_IMP	NL_CENTREL_IMP	NL_UCTE_SLD	NL_III_SLD	NL_CENTREL_SLD
	Export (-)					Import (+)					Balance		
I.96	339	14	353	0	0	215	1092	1307	0	0	954	0	0
II.96	348	117	465	0	0	239	1039	1278	0	0	813	0	0
III.96	386	136	522	0	0	258	1148	1406	0	0	884	0	0
IV.96	360	134	494	0	0	292	1054	1346	0	0	852	0	0
V.96	334	99	433	0	0	201	1166	1367	0	0	934	0	0
VI.96	323	136	459	0	0	256	1201	1457	0	0	998	0	0
VII.96	317	114	431	0	0	246	1114	1360	0	0	929	0	0
VIII.96	226	217	443	0	0	359	1101	1460	0	0	1017	0	0
IX.96	271	222	493	0	0	316	1087	1403	0	0	910	0	0
X.96	322	183	505	0	0	168	1202	1370	0	0	865	0	0
XI.96	396	139	535	0	0	185	1181	1366	0	0	831	0	0
XII.96	515	130	645	0	0	64	1381	1445	0	0	800	0	0
1996	**4137**	**1641**	**5778**	**0**	**0**	**2799**	**13766**	**16565**	**0**	**0**	**10787**	**0**	**0**
I.00	304	38	342	0	0	328	1482	1810	0	0	1468	0	0
II.00	380	23	403	0	0	183	1455	1638	0	0	1235	0	0
III.00	265	42	307	0	0	386	1391	1777	0	0	1470	0	0
IV.00	272	118	390	0	0	351	1522	1873	0	0	1483	0	0
V.00	194	160	354	0	0	469	1362	1831	0	0	1477	0	0
VI.00	244	135	379	0	0	412	1565	1977	0	0	1598	0	0
VII.00	265	85	350	0	0	390	1539	1929	0	0	1579	0	0
VIII.00	213	185	398	0	0	617	1282	1899	0	0	1501	0	0
IX.00	154	75	229	0	0	600	1349	1949	0	0	1720	0	0
X.00	246	25	271	0	0	432	1660	2092	0	0	1821	0	0
XI.00	284	3	287	0	0	472	1603	2075	0	0	1788	0	0
XII.00	311	8	319	0	0	510	1588	2098	0	0	1779	0	0
2000	**3132**	**897**	**4029**	**0**	**0**	**5150**	**17798**	**22948**	**0**	**0**	**18919**	**0**	**0**
I.01	428	12	440	0	0	260	1674	1934	0	0	1494	0	0
II.01	488	2	490	0	0	138	1611	1749	0	0	1259	0	0
III.01	620	23	643	0	0	85	1692	1777	0	0	1134	0	0
IV.01	441	36	477	0	0	147	1445	1592	0	0	1115	0	0
V.01	369	42	411	0	0	411	1405	1816	0	0	1405	0	0
VI.01	191	105	296	0	0	419	1280	1699	0	0	1403	0	0
VII.01	92	53	145	0	0	515	1111	1626	0	0	1481	0	0
VIII.01	78	75	153	0	0	764	1080	1844	0	0	1691	0	0
IX.01	162	24	186	0	0	460	1297	1757	0	0	1571	0	0
X.01	177	13	190	0	0	569	1389	1958	0	0	1768	0	0
XI.01	248	8	256	0	0	459	1360	1819	0	0	1563	0	0
XII.01	508	13	521	0	0	260	1665	1925	0	0	1404	0	0
2001	**3802**	**406**	**4208**	**0**	**0**	**4487**	**17009**	**21496**	**0**	**0**	**17288**	**0**	**0**

[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]

ÖSTERREICH | GWh

MM_YY	A→CH	A→CZ	A→D	A→H	A→I	A→SLO	A_UCTE_EXP	A_III_EXP	A_CENTREL_EXP	CH→A	CZ→A	D→A	H→A	I→A	SLO→A	A_UCTE_IMP	A_III_IMP	A_CENTREL_IMP	A_UCTE_SLD	A_III_SLD	A_CENTREL_SLD
	Export (-)									Import (+)									Balance		
I.96	144	0	266	17	116	132	658	0	17	26	363	621	137	0	5	652	0	500	-6	0	483
II.96	65	0	276	15	98	118	557	0	15	95	318	526	106	0	3	624	0	424	67	0	409
III.96	196	0	240	62	98	116	650	0	62	16	317	790	31	0	5	811	0	348	161	0	286
IV.96	220	0	230	61	128	61	639	0	61	4	139	739	11	0	27	770	0	150	131	0	89
V.96	176	3	286	112	131	111	704	0	115	31	117	512	10	0	30	573	0	127	-131	0	12
VI.96	149	0	292	106	137	161	739	0	106	23	100	477	13	0	1	501	0	113	-238	0	7
VII.96	129	2	282	97	149	165	725	0	99	51	81	480	18	0	2	533	0	99	-192	0	0
VIII.96	223	2	283	83	75	94	675	0	85	27	13	519	25	0	30	576	0	38	-99	0	-47
IX.96	203	0	279	33	133	114	729	0	33	25	141	542	60	0	2	569	0	201	-160	0	168
X.96	181	16	420	51	116	64	781	0	67	17	199	446	54	0	15	478	0	253	-303	0	186
XI.96	185	12	278	30	116	95	674	0	42	23	214	504	96	0	18	545	0	310	-129	0	268
XII.96	155	2	232	14	126	88	601	0	16	33	225	595	136	0	13	641	0	361	40	0	345
1996	**2026**	**37**	**3364**	**681**	**1423**	**1319**	**8132**	**0**	**718**	**371**	**2227**	**6751**	**697**	**0**	**151**	**7273**	**0**	**2924**	**-859**	**0**	**2206**
I.00	386	0	304	11	171	263	1124	0	11	3	469	902	65	0	0	905	0	534	-219	0	523
II.00	417	0	396	28	158	255	1226	0	28	4	320	802	26	0	2	808	0	346	-418	0	318
III.00	384	0	487	58	172	272	1315	0	58	4	276	740	11	0	2	746	0	287	-569	0	229
IV.00	384	0	510	18	158	251	1303	0	18	4	350	634	79	0	2	640	0	429	-663	0	411
V.00	283	1	776	51	186	314	1559	0	52	42	314	251	38	0	0	293	0	352	-1266	0	300
VI.00	210	0	584	81	176	305	1275	0	81	31	425	284	39	0	0	315	0	464	-960	0	383
VII.00	290	0	387	50	178	313	1168	0	50	16	476	495	63	0	0	511	0	539	-657	0	489
VIII.00	250	0	477	37	103	257	1087	0	37	39	505	398	83	0	2	439	0	588	-648	0	551
IX.00	424	0	353	25	129	233	1139	0	25	18	539	670	91	0	0	688	0	630	-451	0	605
X.00	411	0	468	51	182	302	1363	0	51	28	585	643	55	0	0	671	0	640	-692	0	589
XI.00	334	0	451	14	169	257	1211	0	14	17	624	615	124	0	2	634	0	748	-577	0	734
XII.00	388	0	415	1	164	215	1182	0	1	8	597	812	168	0	11	831	0	765	-351	0	764
2000	**4161**	**1**	**5608**	**425**	**1946**	**3237**	**14952**	**0**	**426**	**214**	**5480**	**7246**	**842**	**0**	**21**	**7481**	**0**	**6322**	**-7471**	**0**	**5896**
I.01	399	0	406	2	166	199	1170	0	2	9	619	851	173	0	8	868	0	792	-302	0	790
II.01	354	0	414	7	136	247	1151	0	7	3	489	673	107	0	4	680	0	596	-471	0	589
III.01	295	1	550	19	145	190	1180	0	20	14	361	524	71	0	24	562	0	432	-618	0	412
IV.01	390	1	408	20	162	168	1128	0	21	9	380	616	96	0	8	633	0	476	-495	0	455
V.01	211	0	683	40	169	296	1359	0	40	35	388	313	68	0	0	348	0	456	-1011	0	416
VI.01	111	0	500	38	165	345	1121	0	38	71	306	600	109	0	0	671	0	415	-450	0	377
VII.01	52	0	500	22	165	274	991	0	22	257	425	600	86	0	0	857	0	511	-134	0	489
VIII.01	72	0	500	17	73	225	870	0	17	281	512	600	109	0	4	885	0	621	15	0	604
IX.01	420	0	500	41	165	298	1383	0	41	18	412	600	37	0	0	618	0	449	-765	0	408
X.01	303	0	500	19	178	260	1241	0	19	26	694	600	87	0	0	626	0	781	-615	0	762
XI.01	463	0	500	0	164	205	1332	0	0	5	624	600	140	0	8	613	0	764	-719	0	764
XII.01	571	0	500	6	175	320	1566	0	6	1	520	600	84	0	6	607	0	604	-959	0	598
2001	**3641**	**2**	**5961**	**231**	**1863**	**3027**	**14492**	**0**	**233**	**729**	**5730**	**7177**	**1167**	**0**	**62**	**7968**	**0**	**6897**	**-6524**	**0**	**6664**

[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".

ÖSTERREICH

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	13248
			2000	11910
			2001	14159
Thermal nuclear net production	GWh	Σ	1996	0
			2000	0
			2001	0
Hydraulic net production	GWh	Σ	1996	32707
			2000	42158
			2001	40487
Total net electrical energy production	GWh	Σ	1996	45955
			2000	54068
			2001	54646
Total physical import / export balance [1]	GWh	Σ	1996	965
			2000	-1364
			2001	184
Consumption of pumps	GWh	Σ	1996	1881
			2000	1984
			2001	1994
National electrical consumption	GWh	Σ	1996	45039
			2000	50720
			2001	52836
National electrical consumption as percentage of total values	%	∅ pond.	1996	83
			2000	87
			2001	87
Energy capability factor (hydro power)		∅ pond.	1996	0,99
			2000	1,16
			2001	1,11
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	5334
			2000	5759
			2001	5705
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	7440
			2000	7903
			2001	7717
Peak load on the 3rd Wednesday	MW	max.	1996	7440
			2000	8261
			2001	7918
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	7776
			2000	9056
			2001	9394

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

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2240	2328	2189	1075	269	353	315	506	724	704	925	1620
2150	1783	1676	743	223	131	225	187	814	1051	1323	1604
1829	1810	1640	819	393	239	311	364	921	1438	2015	2380
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
1922	1547	1693	2430	3528	3293	3463	3069	3051	3335	2934	2442
2605	2936	3431	3668	4751	4263	3981	3907	3104	3552	3134	2826
2803	2646	3404	3583	4472	4290	4195	3446	3740	2809	2461	2638
4162	3875	3882	3505	3797	3646	3778	3575	3775	4039	3859	4062
4755	4719	5107	4411	4974	4394	4206	4094	3918	4603	4457	4430
4632	4456	5044	4402	4865	4529	4506	3810	4661	4247	4476	5018
407	464	449	233	-201	-278	-225	-172	-27	-60	73	302
292	-115	-337	-208	-927	-545	-173	-124	262	-95	178	428
499	117	-176	-13	-573	-457	-367	242	-389	367	499	435
48	34	85	137	295	205	263	220	237	199	115	43
88	114	134	207	149	151	208	185	220	243	181	104
99	83	128	124	265	229	170	162	168	169	177	220
4521	4305	4246	3601	3301	3163	3290	3183	3511	3780	3817	4321
4959	4490	4636	3996	3898	3698	3825	3785	3960	4265	4454	4754
5032	4490	4740	4265	4027	3843	3969	3890	4104	4445	4798	5233
85	85	85	84	82	82	82	82	83	83	83	85
88	88	88	87	86	85	85	85	86	86	87	88
88	88	88	88	87	86	86	86	87	87	88	89
0,93	0,75	0,73	0,85	0,99	0,86	0,94	0,88	1,19	1,40	1,38	1,18
1,00	1,40	1,34	1,24	1,17	1,00	1,00	1,05	1,05	1,41	1,36	1,14
1,14	1,16	1,32	1,19	1,17	1,08	1,02	0,89	1,31	1,05	1,00	1,11
5334	5149	4894	4393	3825	3696	3442	3398	3952	3880	4347	4966
5759	5299	4882	4446	4221	4351	4080	3504	4116	4498	4557	5399
5671	5131	4665	4820	3929	3972	3896	3763	4695	4506	5462	**5705**
7440	7127	6678	6152	6107	5863	5893	6030	6536	6451	6713	7085
7903	7515	7201	6883	6614	6757	6423	6516	6855	7188	7167	7689
7717	7405	7164	6956	6390	6494	6426	5777	7133	7072	7467	7611
7440	7216	6775	6259	6290	6037	6117	6133	6681	6514	6805	7193
8163	7689	7515	7222	7012	7152	6959	6781	7092	7464	7452	**8261**
7905	7506	7382	7070	6566	6717	6481	5777	7133	7139	7913	**7918**
7776	7638	6906	5894	7158	6980	7173	7475	7379	7602	6798	7216
8608	**9056**	8492	8000	8977	8231	7909	8307	7209	8975	7506	7891
8260	8173	**9394**	8075	8539	8693	7277	7548	8224	8455	8109	7847

PORTUGAL

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	15471
			2000	25970
			2001	25962
Thermal nuclear net production	GWh	Σ	1996	0
			2000	0
			2001	0
Hydraulic net production	GWh	Σ	1996	14441
			2000	11603
			2001	14304
Total net electrical energy production	GWh	Σ	1996 [2]	29912
			2000 [2]	37573
			2001 [2]	40266
Total physical import / export balance [1]	GWh	Σ	1996	1109
			2000	936
			2001	245
Consumption of pumps	GWh	Σ	1996	137
			2000	560
			2001	484
National electrical consumption	GWh	Σ	1996	30884
			2000	37949
			2001	40027
National electrical consumption as percentage of total values	%	∅ pond.	1996	92
			2000	92
			2001	91
Energy capability factor (hydro power)		∅ pond.	1996	1,30
			2000	1,08
			2001	1,19
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	2753
			2000	3284
			2001	3826
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	5009
			2000	5834
			2001	6470
Peak load on the 3rd Wednesday	MW	max.	1996	5077
			2000	6167
			2001	7020
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	4850
			2000	6213
			2001	6409

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
565	542	1062	884	982	1534	2106	1989	1814	1626	1480	887
2539	2428	2485	1970	1509	2200	2500	2325	2246	2502	2313	953
1233	1092	1201	1559	2151	2512	2762	2396	2516	2559	2730	3251
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
2313	2168	1558	1466	1497	881	577	337	466	580	829	1769
1145	747	533	1062	1662	609	509	413	686	656	1049	2532
2546	2138	2320	1748	1186	676	551	525	531	745	714	624
2878	2710	2620	2350	2479	2415	2683	2326	2280	2206	2309	2656
3684	3175	3018	3032	3171	2809	3009	2738	2932	3158	3362	3485
3779	3230	3521	3307	3337	3188	3313	2921	3047	3304	3444	3875
-25	-5	0	1	-8	-5	-1	-1	208	418	325	202
-46	-36	111	-26	-85	255	229	286	167	39	69	-27
-69	-37	-22	-254	-40	12	81	229	221	64	46	14
33	21	1	1	0	1	6	3	14	19	19	19
45	55	63	58	39	31	56	36	30	43	66	38
14	10	10	38	49	38	53	42	56	45	43	86
2820	2684	2619	2350	2471	2409	2676	2322	2474	2605	2615	2839
3593	3084	3066	2948	3047	3033	3182	2988	3069	3154	3365	3420
3696	3183	3489	3015	3248	3162	3341	3108	3212	3323	3447	3803
92	92	92	92	92	92	92	92	92	92	92	92
92	92	92	92	92	92	92	92	92	92	92	92
91	91	91	91	91	91	91	91	91	91	91	91
1,97	1,45	1,06	1,35	1,59	1,10	0,91	0,67	0,67	0,50	0,92	1,65
0,55	0,40	0,32	1,33	1,77	0,82	0,78	1,25	1,65	0,84	1,43	2,50
1,75	1,28	1,81	1,26	1,09	0,84	0,95	1,79	1,12	1,26	0,58	0,29
2335	2159	2413	2312	2359	2594	**2753**	2220	2513	2448	2604	2506
3231	3035	2896	2887	2877	3170	3264	2802	3031	3073	**3284**	3271
3304	3155	3106	2928	3053	3463	3303	3010	3342	3224	3467	**3826**
4645	**5009**	4628	4127	4183	4418	4695	3601	4294	4394	4738	4712
5834	5306	4903	5215	4942	5168	5364	4435	5072	5202	5631	5687
5989	5434	5532	5097	5302	5729	5375	3633	5494	5557	5921	**6470**
4706	5058	4643	4197	4231	4492	4755	3646	4379	4446	**5077**	4880
6167	5677	5095	5271	5006	5249	5468	4567	5131	5398	6116	6022
6377	5720	5699	5165	5371	5808	5476	4195	5600	5660	6532	**7020**
4705	**4850**	4635	4129	4158	4420	4609	3518	3761	3809	4189	4622
6213	5712	4891	5014	5218	4855	5180	3826	4898	5036	5854	5494
6085	5156	5600	5156	5146	5746	5512	2997	5004	5446	5790	**6409**

Physical exchanges in interconnected operation[1]

PORTUGAL | GWh

MM_YY	P_E	P_UCTE_EXP	P_III_EXP	P_CENTREL_EXP	E_P	P_UCTE_IMP	P_III_IMP	P_CENTREL_IMP	P_UCTE_SLD	P_III_SLD	P_CENTREL_SLD
	Export (-)				Import (+)				Balance		
I.96	304	304	0	0	272	272	0	0	-32	0	0
II.96	263	263	0	0	253	253	0	0	-10	0	0
III.96	216	216	0	0	209	209	0	0	-7	0	0
IV.96	206	206	0	0	200	200	0	0	-6	0	0
V.96	179	179	0	0	165	165	0	0	-14	0	0
VI.96	304	304	0	0	293	293	0	0	-11	0	0
VII.96	400	400	0	0	392	392	0	0	-8	0	0
VIII.96	391	391	0	0	380	380	0	0	-11	0	0
IX.96	234	234	0	0	434	434	0	0	200	0	0
X.96	114	114	0	0	526	526	0	0	412	0	0
XI.96	183	183	0	0	503	503	0	0	320	0	0
XII.96	211	211	0	0	403	403	0	0	192	0	0
1996	**3005**	**3005**	**0**	**0**	**4030**	**4030**	**0**	**0**	**1025**	**0**	**0**
I.00	380	380	0	0	326	326	0	0	-54	0	0
II.00	312	312	0	0	267	267	0	0	-45	0	0
III.00	286	286	0	0	390	390	0	0	104	0	0
IV.00	359	359	0	0	327	327	0	0	-32	0	0
V.00	423	423	0	0	330	330	0	0	-93	0	0
VI.00	207	207	0	0	455	455	0	0	248	0	0
VII.00	260	260	0	0	479	479	0	0	219	0	0
VIII.00	247	247	0	0	522	522	0	0	275	0	0
IX.00	267	267	0	0	425	425	0	0	158	0	0
X.00	333	333	0	0	363	363	0	0	30	0	0
XI.00	358	358	0	0	419	419	0	0	61	0	0
XII.00	333	333	0	0	294	294	0	0	-39	0	0
2000	**3765**	**3765**	**0**	**0**	**4597**	**4597**	**0**	**0**	**832**	**0**	**0**
I.01	302	302	0	0	225	225	0	0	-77	0	0
II.01	240	240	0	0	200	200	0	0	-40	0	0
III.01	227	227	0	0	200	200	0	0	-27	0	0
IV.01	436	436	0	0	178	178	0	0	-258	0	0
V.01	281	281	0	0	235	235	0	0	-46	0	0
VI.01	323	323	0	0	329	329	0	0	6	0	0
VII.01	353	353	0	0	427	427	0	0	74	0	0
VIII.01	139	139	0	0	355	355	0	0	216	0	0
IX.01	261	261	0	0	471	471	0	0	210	0	0
X.01	308	308	0	0	362	362	0	0	54	0	0
XI.01	282	282	0	0	318	318	0	0	36	0	0
XII.01	327	327	0	0	329	329	0	0	2	0	0
2001	**3479**	**3479**	**0**	**0**	**3629**	**3629**	**0**	**0**	**150**	**0**	**0**

[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]

SCHWEIZ | GWh

MM_YY	CH→A	CH→D	CH→F	CH→I	CH_UCTE_EXP	CH_III_EXP	CH_CENTREL_EXP	A→CH	D→CH	F→CH	I→CH	CH_UCTE_IMP	CH_III_IMP	CH_CENTREL_IMP	CH_UCTE_SLD	CH_III_SLD	CH_CENTREL_SLD
	Export (-)							Import (+)							Balance		
I.96	26	384	4	1301	1715	0	0	144	891	1150	0	2185	0	0	470	0	0
II.96	95	358	33	1271	1757	0	0	65	916	983	4	1968	0	0	211	0	0
III.96	16	374	32	1409	1831	0	0	196	1190	1182	4	2572	0	0	741	0	0
IV.96	4	337	0	1500	1841	0	0	220	873	979	0	2072	0	0	231	0	0
V.96	31	441	3	1681	2156	0	0	176	372	823	0	1371	0	0	-785	0	0
VI.96	23	301	13	1756	2093	0	0	149	454	608	2	1213	0	0	-880	0	0
VII.96	51	408	8	1789	2256	0	0	129	664	686	2	1481	0	0	-775	0	0
VIII.96	27	443	4	1114	1588	0	0	223	523	839	0	1585	0	0	-3	0	0
IX.96	25	312	5	1489	1831	0	0	203	856	923	1	1983	0	0	152	0	0
X.96	17	432	7	1268	1724	0	0	181	827	979	4	1991	0	0	267	0	0
XI.96	23	442	6	1442	1913	0	0	185	768	1001	1	1955	0	0	42	0	0
XII.96	33	339	22	1451	1845	0	0	155	816	879	2	1852	0	0	7	0	0
1996	**371**	**4571**	**137**	**17471**	**22550**	**0**	**0**	**2026**	**9150**	**11032**	**20**	**22228**	**0**	**0**	**-322**	**0**	**0**
I.00	3	321	274	1760	2358	0	0	386	1252	881	0	2519	0	0	161	0	0
II.00	4	297	109	1757	2167	0	0	417	1131	902	0	2450	0	0	283	0	0
III.00	4	342	115	1962	2423	0	0	384	1133	1025	1	2543	0	0	120	0	0
IV.00	4	359	84	1766	2213	0	0	384	920	815	0	2119	0	0	-94	0	0
V.00	42	754	87	1926	2809	0	0	283	338	531	1	1153	0	0	-1656	0	0
VI.00	31	784	61	1896	2772	0	0	210	319	427	3	959	0	0	-1813	0	0
VII.00	16	381	68	1949	2414	0	0	290	698	682	0	1670	0	0	-744	0	0
VIII.00	39	493	110	1275	1917	0	0	250	658	705	2	1615	0	0	-302	0	0
IX.00	18	250	287	1849	2404	0	0	424	952	684	3	2063	0	0	-341	0	0
X.00	28	330	255	2295	2908	0	0	411	825	721	0	1957	0	0	-951	0	0
XI.00	17	396	129	1924	2466	0	0	334	823	858	0	2015	0	0	-451	0	0
XII.00	8	443	73	1976	2500	0	0	388	1052	1126	0	2566	0	0	66	0	0
2000	**214**	**5150**	**1652**	**22335**	**29351**	**0**	**0**	**4161**	**10101**	**9357**	**10**	**23629**	**0**	**0**	**-5722**	**0**	**0**
I.01	9	449	108	2032	2598	0	0	399	1159	1075	0	2633	0	0	35	0	0
II.01	3	409	137	1800	2349	0	0	354	968	853	0	2175	0	0	-174	0	0
III.01	14	518	59	1874	2465	0	0	295	815	1026	0	2136	0	0	-329	0	0
IV.01	9	373	42	1841	2265	0	0	390	654	758	0	1802	0	0	-463	0	0
V.01	35	796	123	1933	2887	0	0	211	340	470	0	1021	0	0	-1866	0	0
VI.01	71	854	97	1920	2942	0	0	111	309	462	2	884	0	0	-2058	0	0
VII.01	257	918	91	1882	3148	0	0	52	354	597	2	1005	0	0	-2143	0	0
VIII.01	281	882	302	1136	2601	0	0	72	367	391	31	861	0	0	-1740	0	0
IX.01	18	361	172	2166	2717	0	0	420	867	628	7	1922	0	0	-795	0	0
X.01	26	395	46	2457	2924	0	0	303	1041	1016	0	2360	0	0	-564	0	0
XI.01	5	261	109	2323	2698	0	0	463	1313	1073	0	2849	0	0	151	0	0
XII.01	1	132	320	2462	2915	0	0	571	1908	981	0	3460	0	0	545	0	0
2001	**729**	**6348**	**1606**	**23826**	**32509**	**0**	**0**	**3641**	**10095**	**9330**	**42**	**23108**	**0**	**0**	**-9401**	**0**	**0**

[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".

SCHWEIZ

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	1703
			2000	2597
			2001	2601
Thermal nuclear net production	GWh	Σ	1996	23681
			2000	24949
			2001	25293
Hydraulic net production	GWh	Σ	1996	29698
			2000	37846
			2001	42252
Total net electrical energy production	GWh	Σ	1996 [2]	55082
			2000 [2]	65392
			2001 [2]	70146
Total physical import / export balance [1]	GWh	Σ	1996	-946
			2000	-7017
			2001	-10299
Consumption of pumps	GWh	Σ	1996	1754
			2000	1974
			2001	1947
National electrical consumption	GWh	Σ	1996	52382
			2000	56401
			2001	57900
National electrical consumption as percentage of total values	%	∅ pond.	1996	100
			2000	100
			2001	100
Energy capability factor (hydro power)		∅ pond.	1996	0,92
			2000	1,15
			2001	1,17
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	6607
			2000	6770
			2001	7837
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	8362
			2000	8867
			2001	9276
Peak load on the 3rd Wednesday	MW	max.	1996	8452
			2000	9027
			2001	9396
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	9834
			2000	12181
			2001	12408

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
193	214	148	124	117	99	92	89	121	143	173	190
238	232	229	218	197	193	176	185	213	236	245	235
246	228	236	223	212	202	190	165	211	228	227	233
2295	2149	2270	2201	2213	1484	1538	1144	1898	2006	2206	2277
2354	2213	2355	2278	2307	2133	1285	1024	1979	2341	2297	2383
2356	2136	2375	2298	2336	2111	1468	1130	2051	2348	2297	2387
2231	2424	1763	1704	2681	3354	3297	2910	2170	2128	2619	2417
2895	2475	2532	2264	3980	4079	3799	3727	2825	3402	3191	2677
3051	2895	3132	2874	4163	4442	5130	5076	3292	2985	2708	2504
4719	4787	4181	4029	5011	4937	4927	4143	4189	4277	4998	4884
5487	4920	5116	4760	6484	6405	5260	4936	5017	5979	5733	5295
5653	5259	5743	5395	6711	6755	6788	6371	5554	5561	5232	5124
412	169	668	167	-849	-946	-862	-95	90	209	-23	114
59	141	12	-194	-1822	-1927	-870	-432	-429	-1030	-485	-40
-52	-238	-403	-574	-1955	-2157	-2160	-1810	-906	-630	97	489
56	28	85	87	198	221	327	315	131	113	125	68
72	40	44	139	228	305	248	275	219	158	122	124
87	66	114	106	255	312	287	239	139	128	96	118
5075	4928	4764	4109	3964	3770	3738	3733	4148	4373	4850	4930
5474	5021	5084	4427	4434	4173	4142	4229	4369	4791	5126	5131
5514	4955	5226	4715	4501	4286	4341	4322	4509	4803	5233	5495
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	100	100	100	100	100	100	100	100	100	100	100
1,08	0,81	0,75	0,79	0,97	0,92	0,85	0,97	0,63	0,87	1,52	1,23
1,11	1,35	1,20	1,14	1,46	1,11	0,87	1,03	0,94	1,58	1,59	1,29
1,25	1,07	1,50	1,00	1,47	1,20	1,16	1,21	0,95	1,11	0,89	0,89
6186	**6607**	6033	5153	4314	4314	4033	4213	4649	4702	5769	5834
6770	6427	5985	6105	4905	4950	4674	4744	5038	5283	6196	6678
7413	6853	6114	6298	5178	4992	4810	4614	5512	5123	6775	**7837**
8324	**8362**	7637	7302	6970	7140	6547	7311	7370	7519	7850	7677
8867	8743	8312	8076	7851	7772	7141	7702	8015	8063	8395	8668
9167	8745	8879	8327	7974	7852	7620	7285	8195	8204	8890	**9276**
8382	**8452**	7788	7453	7188	7336	6699	7511	7544	7919	7995	7944
9027	8961	8538	8286	8067	8075	7229	7871	8095	8159	8618	8908
9337	8843	8994	8496	8196	8090	7778	7407	8328	8288	9030	**9396**
8624	**9834**	7288	7669	8547	9323	9224	7668	8498	8208	8492	8683
11986	10156	9310	8247	11518	**12181**	9048	10334	11955	11678	11635	10591
12038	10681	10862	11003	11840	**12408**	10842	10398	11421	11275	10414	11226

				I-XII
Thermal conventional net production	GWh	Σ	1996	770081
			2000	871875
			2001	906310
Thermal nuclear net production	GWh	Σ	1996	657235
			2000	692109
			2001	701540
Hydraulic net production	GWh	Σ	1996	284551
			2000	293617
			2001	321029
Total net electrical energy production	GWh	Σ	1996 [2]	1711867
			2000 [2]	1857601
			2001 [2]	1928879
Total physical import / export balance [1]	GWh	Σ	1996	-12371
			2000	9343
			2001	13255
Consumption of pumps	GWh	Σ	1996	27627
			2000	34987
			2001	34582
National electrical consumption	GWh	Σ	1996	1671869
			2000	1832785
			2001	1907552
National electrical consumption as percentage of total values	%∅	pond.	1996	-
			2000	-
			2001	-
Energy capability factor (hydro power)	∅	pond.	1996	1,04
			2000	1,02
			2001	1,19
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	192359
			2000	193541
			2001	219731
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	441727
			2000	272553
			2001	296803
Peak load on the 3rd Wednesday	MW	max.	1996	260639
			2000	287135
			2001	308176
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	265388
			2000	280707
			2001	298332

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

[2] Including deliveries from industry

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
70926	71779	74386	59407	55539	58000	61004	55839	62197	66880	66457	67667
86655	81105	81626	68795	62037	64832	69384	66118	71509	72557	74402	72855
81604	73709	77111	68639	68228	67268	70932	66998	71964	78816	87437	93604
63269	57265	58027	54277	51593	46154	49176	49183	51736	56170	58838	61547
63448	57971	60378	55111	54857	52401	54923	53089	55412	59383	60886	64250
66737	58001	59599	55721	52900	51781	54828	55163	57450	60686	62032	66642
27546	25460	21554	21820	27325	25046	23687	19647	18711	21023	23613	29119
23913	20860	22015	24218	31563	26397	23681	22090	19622	23760	26868	28630
32070	28044	33339	30770	33107	29382	28929	24418	21499	20820	19360	19291
161741	154504	153967	135504	134457	129200	133867	124669	132644	144073	148908	158333
174016	159936	164019	148124	148457	143630	147988	141297	146543	155700	162156	165735
180411	159754	170049	155130	154235	148431	154689	146579	150913	160322	168829	179537
-473	-531	-568	-1222	-1426	-1582	-1336	-1788	-715	-853	-1029	-848
854	677	780	719	31	-157	-11	-1138	1082	2047	2074	2385
1935	1507	426	279	353	-464	-637	-204	1372	1555	3432	3701
1935	1507	426									
2769	1903	2358	2272	2365	2273	2351	2170	2136	2441	2400	2189
2772	2711	2877	3138	3235	2532	2619	2603	2759	3037	3205	3499
3331	2478	2966	2655	2999	2665	2640	2701	2819	3075	2877	3376
158499	152070	151041	132010	130666	125345	130180	120711	129793	140779	145479	155296
172555	157902	161922	145705	145253	140941	145358	137556	145237	154710	161025	164621
179015	158783	167509	152754	151589	145302	151412	143674	149466	158802	169384	179862
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
1,47	0,99	0,84	0,93	1,05	0,89	0,90	0,92	0,88	1,05	1,28	1,45
0,81	0,85	0,83	1,12	1,17	0,90	0,81	0,95	0,86	1,26	1,40	1,31
1,25	1,00	1,35	1,11	1,24	1,09	1,08	1,07	1,04	0,94	0,74	0,81
179150	**192359**	171803	154782	145089	143275	142605	132334	145173	149062	171778	174355
193541	188586	179056	173109	157220	163324	161937	141326	160797	172127	189602	192692
204790	200289	184648	180382	162015	166502	165758	148668	168862	171493	204567	**219731**
253874	252420	238196	225711	223396	**441727**	219531	202179	224715	231942	246688	248445
268814	263615	247900	249311	236618	247134	238266	212427	243118	251350	265139	**272553**
280975	267032	259064	256331	245606	245033	246814	197233	256897	252553	277402	**296803**
260639	260347	242283	227721	226359	226430	222868	205935	227338	237137	257224	258421
280717	273126	259102	253236	241380	252369	243605	224040	247336	257157	275593	**287135**
288689	275671	264844	263445	248641	254181	251756	210850	257000	259015	296867	**308176**
265388	262180	246394	233302	232652	233086	230270	212707	234009	242171	258950	263233
276786	271542	257172	257480	250827	260612	249989	224281	251715	260666	275472	**280707**
287590	273682	268980	268595	254724	260534	257603	212344	258770	262000	284908	**298332**

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Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	n.a.
			2000	52728
			2001	52545
Thermal nuclear net production	GWh	Σ	1996	n.a.
			2000	12709
			2001	13778
Hydraulic net production	GWh	Σ	1996	n.a.
			2000	2304
			2001	2456
Total net electrical energy production	GWh	Σ	1996 [2]	n.a.
			2000 [2]	67741
			2001 [2]	68779
Total physical import / export balance [1]	GWh	Σ	1996	n.a.
			2000	-10018
			2001	-9536
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	749
			2001	554
National electrical consumption	GWh	Σ	1996	n.a.
			2000	56974
			2001	58689
National electrical consumption as percentage of total values	%	∅ pond.	1996	n.a.
			2000	100
			2001	100
Energy capability factor (hydro power)		∅ pond.	1996	n.a.
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	7512
			2001	7990
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	8606
			2001	9090
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	8744
			2001	9609
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	10606
			2001	10841

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

[2] Including deliveries from industry

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.
5198	4588	5040	4191	3937	3875	3667	3953	4202	4465	4700	4912
5289	4625	4983	4707	4246	4111	3643	3679	3893	3930	4862	4577
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1201	1166	1073	937	956	894	1040	950	886	1143	1209	1254
1256	1130	1154	925	952	898	965	1080	1112	1563	1209	1534
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
131	248	351	305	184	140	143	159	141	169	173	160
147	195	257	289	215	154	146	172	223	204	230	224
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
6530	6002	6464	5433	5077	4909	4850	5062	5229	5777	6082	6326
6692	5950	6394	5921	5413	5163	4754	4931	5228	5697	6301	6335
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-676	-728	-987	-914	-849	-784	-862	-881	-860	-878	-825	-774
-752	-727	-808	-978	-1066	-921	-749	-742	-746	-777	-734	-536
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
52	41	43	41	61	64	79	82	74	67	70	75
45	48	51	35	38	46	50	44	42	52	53	50
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5802	5233	5434	4478	4167	4061	3909	4099	4295	4832	5187	5477
5895	5175	5535	4908	4309	4196	3955	4145	4440	4868	5514	5749
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	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.
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7512	7022	6955	5775	5261	5236	4993	5184	5523	5750	6435	7098
7990	7274	7039	6665	5445	5457	4946	5069	5904	5799	7177	7676
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8606	8273	8151	6940	6658	6707	6481	6721	7285	7420	7843	8298
8941	8613	8282	7817	6736	6768	6398	6725	7327	7393	8884	**9090**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8744	8355	8299	7002	6690	6725	6481	6737	7364	7534	8414	8721
9609	9204	8867	8240	6848	6858	6512	6851	7453	7694	9171	9235
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10594	10310	**10606**	9392	8542	8945	8777	8891	9087	9448	10086	10419
10755	10706	10139	10261	9136	9035	7866	8269	9100	9227	**10841**	10392

Physical exchanges in interconnected operation[1]

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MM_YY	CZ→A	CZ→D	CZ→PL	CZ→SK	CZ_UCTE_EXP	CZ_III_EXP	CZ_CENTREL_EXP	A→CZ	D→CZ	PL→CZ	SK→CZ	CZ_UCTE_IMP	CZ_III_IMP	CZ_CENTREL_IMP	CZ_UCTE_SLD	CZ_III_SLD	CZ_CENTREL_SLD
	Export (-)							Import (+)							Balance		
I.96	363	230	n.a.	n.a.	593	0	n.a.	0	109	n.a.	n.a.	109	0	n.a.	-484	0	n.a.
II.96	318	211	n.a.	n.a.	529	0	n.a.	0	309	n.a.	n.a.	309	0	n.a.	-220	0	n.a.
III.96	317	318	n.a.	n.a.	635	0	n.a.	0	371	n.a.	n.a.	371	0	n.a.	-264	0	n.a.
IV.96	139	314	n.a.	n.a.	453	0	n.a.	0	205	n.a.	n.a.	205	0	n.a.	-248	0	n.a.
V.96	117	325	n.a.	n.a.	442	0	n.a.	3	74	n.a.	n.a.	77	0	n.a.	-365	0	n.a.
VI.96	100	334	n.a.	n.a.	434	0	n.a.	0	66	n.a.	n.a.	66	0	n.a.	-368	0	n.a.
VII.96	81	232	n.a.	n.a.	313	0	n.a.	2	54	n.a.	n.a.	56	0	n.a.	-257	0	n.a.
VIII.96	13	230	n.a.	n.a.	243	0	n.a.	2	5	n.a.	n.a.	7	0	n.a.	-236	0	n.a.
IX.96	141	274	n.a.	n.a.	415	0	n.a.	0	12	n.a.	n.a.	12	0	n.a.	-403	0	n.a.
X.96	199	134	n.a.	n.a.	333	0	n.a.	16	98	n.a.	n.a.	114	0	n.a.	-219	0	n.a.
XI.96	214	136	n.a.	n.a.	350	0	n.a.	12	111	n.a.	n.a.	123	0	n.a.	-227	0	n.a.
XII.96	225	215	n.a.	n.a.	440	0	n.a.	2	61	n.a.	n.a.	63	0	n.a.	-377	0	n.a.
1996	**2227**	**2953**	**n.a.**	**n.a.**	**5180**	**0**	**n.a.**	**37**	**1475**	**n.a.**	**n.a.**	**1512**	**0**	**n.a.**	**-3668**	**0**	**n.a.**
I.00	469	645	3	527	1114	0	530	0	12	844	112	12	0	956	-1102	0	426
II.00	320	854	4	369	1174	0	373	0	3	731	87	3	0	818	-1171	0	445
III.00	276	1035	8	330	1311	0	338	0	0	578	83	0	0	661	-1311	0	323
IV.00	350	910	8	235	1260	0	243	0	0	503	86	0	0	589	-1260	0	346
V.00	314	750	10	316	1064	0	326	1	0	431	109	1	0	540	-1063	0	214
VI.00	425	594	6	333	1019	0	339	0	0	481	93	0	0	574	-1019	0	235
VII.00	476	520	6	530	996	0	536	0	135	448	86	135	0	534	-861	0	-2
VIII.00	505	579	8	449	1084	0	457	0	33	525	102	33	0	627	-1051	0	170
IX.00	539	569	3	369	1108	0	372	0	8	553	60	8	0	613	-1100	0	241
X.00	585	844	5	214	1429	0	219	0	7	643	119	7	0	762	-1422	0	543
XI.00	624	876	1	254	1500	0	255	0	8	739	183	8	0	922	-1492	0	667
XII.00	597	756	3	340	1353	0	343	0	25	745	152	25	0	897	-1328	0	554
2000	**5480**	**8932**	**65**	**4266**	**14412**	**0**	**4331**	**1**	**231**	**7221**	**1272**	**232**	**0**	**8493**	**-14180**	**0**	**4162**
I.01	619	740	4	387	1359	0	391	0	32	838	128	32	0	966	-1327	0	575
II.01	489	776	4	334	1265	0	338	0	12	760	104	12	0	864	-1253	0	526
III.01	361	958	12	308	1319	0	320	1	1	735	95	2	0	830	-1317	0	510
IV.01	380	863	17	250	1243	0	267	1	0	463	68	1	0	531	-1242	0	264
V.01	388	866	1	277	1254	0	278	0	0	388	78	0	0	466	-1254	0	188
VI.01	306	776	0	340	1082	0	340	0	3	394	104	3	0	498	-1079	0	158
VII.01	425	657	0	335	1082	0	335	0	8	520	140	8	0	660	-1074	0	325
VIII.01	512	529	6	355	1041	0	361	0	7	592	61	7	0	653	-1034	0	292
IX.01	412	779	8	245	1191	0	253	0	1	633	64	1	0	697	-1190	0	444
X.01	694	680	5	336	1374	0	341	0	54	802	82	54	0	884	-1320	0	543
XI.01	624	832	3	270	1456	0	273	0	29	814	152	29	0	966	-1427	0	693
XII.01	520	805	3	273	1325	0	276	0	52	879	134	52	0	1013	-1273	0	737
2001	**5730**	**9261**	**63**	**3710**	**14991**	**0**	**3773**	**2**	**199**	**7818**	**1210**	**201**	**0**	**9028**	**-14790**	**0**	**5255**

[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]

MAGYARORSZAG | GWh

MM_YY	H→A	H→HR	H→JIEL	H→SK	H→UA	H→RO	H_UCTE_EXP	H_III_EXP	H_CENTREL_EXP	A→H	HR→H	JIEL→H	SK→H	UA→H	H_UCTE_IMP	H_III_IMP	H_CENTREL_IMP	H_UCTE_SLD	H_III_SLD	H_CENTREL_SLD
	Export (-)									Import (+)								Balance		
I.96	137	7	53	n.a.	n.a.	n.a.	197	n.a.	n.a.	17	0	0	n.a.	n.a.	17	n.a.	n.a.	-180	n.a.	n.a.
II.96	106	3	76	n.a.	n.a.	n.a.	185	n.a.	n.a.	15	0	0	n.a.	n.a.	15	n.a.	n.a.	-170	n.a.	n.a.
III.96	31	0	94	n.a.	n.a.	n.a.	125	n.a.	n.a.	62	3	0	n.a.	n.a.	65	n.a.	n.a.	-60	n.a.	n.a.
IV.96	11	0	0	n.a.	n.a.	n.a.	11	n.a.	n.a.	61	3	16	n.a.	n.a.	80	n.a.	n.a.	69	n.a.	n.a.
V.96	10	6	0	n.a.	n.a.	n.a.	16	n.a.	n.a.	112	0	5	n.a.	n.a.	117	n.a.	n.a.	101	n.a.	n.a.
VI.96	13	10	0	n.a.	n.a.	n.a.	23	n.a.	n.a.	106	0	11	n.a.	n.a.	117	n.a.	n.a.	94	n.a.	n.a.
VII.96	18	8	12	n.a.	n.a.	n.a.	38	n.a.	n.a.	97	0	0	n.a.	n.a.	97	n.a.	n.a.	59	n.a.	n.a.
VIII.96	25	10	42	n.a.	n.a.	n.a.	77	n.a.	n.a.	83	0	0	n.a.	n.a.	83	n.a.	n.a.	6	n.a.	n.a.
IX.96	60	3	0	n.a.	n.a.	n.a.	63	n.a.	n.a.	33	3	0	n.a.	n.a.	36	n.a.	n.a.	-27	n.a.	n.a.
X.96	54	7	0	n.a.	n.a.	n.a.	61	n.a.	n.a.	51	4	0	n.a.	n.a.	55	n.a.	n.a.	-6	n.a.	n.a.
XI.96	96	9	1	n.a.	n.a.	n.a.	106	n.a.	n.a.	30	2	9	n.a.	n.a.	41	n.a.	n.a.	-65	n.a.	n.a.
XII.96	136	10	13	n.a.	n.a.	n.a.	159	n.a.	n.a.	14	2	12	n.a.	n.a.	28	n.a.	n.a.	-131	n.a.	n.a.
1996	**697**	**73**	**291**	**n.a.**	**n.a.**	**n.a.**	**1061**	**n.a.**	**n.a.**	**681**	**17**	**53**	**n.a.**	**n.a.**	**751**	**n.a.**	**n.a.**	**-310**	**n.a.**	**n.a.**
I.00	65	384	118	0	0	0	567	0	0	11	0	0	604	207	11	207	604	-556	207	604
II.00	26	445	137	0	0	0	608	0	0	28	0	0	647	170	28	170	647	-580	170	647
III.00	11	451	7	0	0	0	469	0	0	58	0	0	609	128	58	128	609	-411	128	609
IV.00	79	358	0	0	2	0	437	2	0	18	0	0	595	41	18	41	595	-419	39	595
V.00	38	354	1	0	0	0	393	0	0	51	0	0	629	97	51	97	629	-342	97	629
VI.00	39	311	2	0	0	0	352	0	0	81	0	0	541	127	81	127	541	-271	127	541
VII.00	63	325	25	0	0	0	413	0	0	50	0	0	701	131	50	131	701	-363	131	701
VIII.00	83	225	103	0	2	0	411	2	0	37	0	0	635	88	37	88	635	-374	86	635
IX.00	91	393	84	0	0	0	568	0	0	25	0	0	725	91	25	91	725	-543	91	725
X.00	55	469	56	0	0	0	580	0	0	51	0	0	559	143	51	143	559	-529	143	559
XI.00	124	362	73	0	0	0	559	0	0	14	0	0	576	157	14	157	576	-545	157	576
XII.00	168	394	160	0	0	0	722	0	0	1	0	0	728	168	1	168	728	-721	168	728
2000	**842**	**4471**	**766**	**0**	**4**	**0**	**6079**	**4**	**0**	**425**	**0**	**0**	**7549**	**1548**	**425**	**1548**	**7549**	**-5654**	**1544**	**7549**
I.01	173	390	142	0	0	16	705	16	0	2	0	0	712	231	2	231	712	-703	215	712
II.01	107	357	138	0	0	26	602	0	0	7	0	0	642	212	7	212	642	-595	212	642
III.01	71	336	25	0	0	14	432	0	0	19	0	0	604	137	19	137	604	-413	137	604
IV.01	96	287	1	0	0	0	384	0	0	20	0	0	550	69	20	69	550	-364	69	550
V.01	68	316	29	0	0	0	413	0	0	40	0	0	633	111	40	111	633	-373	111	633
VI.01	109	303	95	0	0	14	507	0	0	38	0	0	608	169	38	169	608	-469	169	608
VII.01	86	250	105	0	0	23	441	0	0	22	0	0	670	143	22	143	670	-419	143	670
VIII.01	109	245	123	0	0	1	477	0	0	17	0	0	757	93	17	93	757	-460	93	757
IX.01	37	392	96	0	0	0	525	0	0	41	0	0	661	133	41	133	661	-484	133	661
X.01	87	506	144	0	0	0	737	0	0	19	3	0	822	196	22	196	822	-715	196	822
XI.01	140	600	182	0	0	0	922	0	0	0	0	0	802	180	0	180	802	-922	180	802
XII.01	84	711	195	0	0	0	990	0	0	6	0	0	853	182	6	182	853	-984	182	853
2001	**1167**	**4693**	**1275**	**0**	**0**	**94**	**7135**	**0**	**0**	**231**	**3**	**0**	**8314**	**1856**	**234**	**1856**	**8314**	**-6901**	**1840**	**8314**

[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".

MAGYARORSZAG

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	n.a.
			2000	18896
			2001	20141
Thermal nuclear net production	GWh	Σ	1996	n.a.
			2000	13347
			2001	13290
Hydraulic net production	GWh	Σ	1996	n.a.
			2000	177
			2001	179
Total net electrical energy production	GWh	Σ	1996 [2]	n.a.
			2000 [2]	32420
			2001 [2]	33610
Total physical import / export balance [1]	GWh	Σ	1996	n.a.
			2000	3438
			2001	3175
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	0
			2001	0
National electrical consumption	GWh	Σ	1996	n.a.
			2000	35858
			2001	36785
National electrical consumption as percentage of total values	%	∅ pond.	1996	n.a.
			2000	100
			2001	100
Energy capability factor (hydro power)		∅ pond.	1996	n.a.
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	4158
			2001	4394
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	5250
			2001	5427
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	5543
			2001	5796
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	4745
			2001	5277

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

[2] Including deliveries from industry

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.
1803	1621	1811	1616	1414	1410	1392	1637	1274	1511	1675	1732
1891	1601	1728	1637	1442	1444	1657	1553	1605	1532	1942	2109
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1305	1233	1082	953	965	922	917	846	1228	1307	1273	1316
1311	1186	1154	1056	1046	1000	865	886	977	1298	1265	1246
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	11	9	4	21	23	17	16	14	14	14	15
17	14	5	9	20	16	17	19	14	20	12	16
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3127	2865	2902	2573	2400	2355	2326	2499	2516	2832	2962	3063
3219	2801	2887	2702	2508	2460	2539	2458	2596	2850	3219	3371
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
255	237	326	215	383	397	469	347	273	173	188	175
224	233	314	255	371	294	371	389	310	303	60	51
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.
3382	3102	3228	2788	2783	2752	2795	2846	2789	3005	3150	3238
3443	3034	3201	2957	2879	2754	2910	2847	2906	3153	3279	3422
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	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.
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4158	4044	3787	3444	3381	3542	3291	3397	3552	3587	3772	4044
4236	4062	3819	3874	3510	3460	3441	3454	3668	3695	4154	**4394**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5250	5112	4083	4536	4550	4753	4428	4694	4798	4817	4866	5144
5374	5251	5261	4891	4678	4889	4775	4672	4930	5022	5387	**5427**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
5531	5460	4569	4676	4659	4794	4549	4762	5014	5253	5504	**5543**
5573	5613	5547	5082	4769	4928	4898	4759	5282	5461	5709	**5796**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4726	4664	3720	3973	3935	4046	3580	4184	4493	4355	4375	**4745**
5016	4760	4783	4497	3836	4466	4207	3979	4285	4516	5179	**5277**

POLSKA

Monthly values
Operation

				I-XII
Thermal conventional net production [3]	GWh	Σ	1996	n.a.
			2000	141034
			2001	140515
Thermal nuclear net production [3]	GWh	Σ	1996	n.a.
			2000	0
			2001	0
Hydraulic net production [3]	GWh	Σ	1996	n.a.
			2000	3968
			2001	4057
Total net electrical energy production [3]	GWh	Σ	1996 [2]	n.a.
			2000 [2]	145002
			2001 [2]	144572
Total physical import / export balance [1]	GWh	Σ	1996	n.a.
			2000	-6374
			2001	-6729
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	2790
			2001	2602
National electrical consumption	GWh	Σ	1996	n.a.
			2000	135838
			2001	135241
National electrical consumption as percentage of total values	%∅	pond.	1996	n.a.
			2000	100
			2001	100
Energy capability factor (hydro power)	∅	pond.	1996	n.a.
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	16930
			2001	17276
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	20175
			2001	20529
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	21836
			2001	21996
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	21935
			2001	22410

[1] Terminology 2.15, see also note Physical energy exchange in interconnected operation
[2] Including deliveries from industry
[3] Gross value

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.
14120	12648	12952	10873	10260	10028	10225	10335	11180	12313	12686	13414
13797	12338	13096	11191	10214	9942	10110	10143	10930	11982	12963	13809
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.
328	404	466	472	340	263	273	319	262	265	243	333
323	325	409	397	335	325	382	323	332	314	300	292
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
14448	13052	13418	11345	10600	10291	10498	10654	11442	12578	12929	13747
14120	12663	13505	11588	10549	10267	10492	10466	11262	12296	13263	14101
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-725	-687	-561	-481	-309	-302	-306	-395	-618	-689	-657	-644
-635	-689	-719	-393	-308	-324	-452	-402	-645	-604	-821	-737
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
262	222	237	227	229	214	189	217	229	245	206	313
263	247	271	233	207	193	194	171	191	209	201	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.
13461	12143	12620	10637	10062	9775	10003	10042	10595	11644	12066	12790
13222	11727	12515	10962	10034	9750	9846	9893	10426	11483	12241	13142
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	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.
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
15985	15596	15258	13113	13594	13499	12862	11603	14481	14504	15532	**16930**
17276	17036	16852	15251	13414	13329	13000	12162	14208	14429	16268	17001
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
20175	19648	19063	16376	15985	15920	15729	15370	17847	17522	18478	19984
20529	19890	18954	17608	15836	16031	15490	12035	16903	17481	19450	20286
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
21836	20679	20544	17526	16408	15887	15503	16238	19150	19366	20395	21764
21984	20587	20349	18384	16374	16188	15542	13623	18688	19080	21171	**21996**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
21935	19648	20365	17624	17316	17337	16748	16601	19517	19454	20412	21807
22261	21866	20729	19067	17171	17383	17033	13324	18823	19221	21624	**22410**

Physical exchanges in interconnected operation[1]

POLSKA | **GWh**

MM_YY	PL→D	PL→CZ	PL→SK	PL→S	PL→UA	PL_UCTE_EXP	PL_III_EXP	PL_CENTREL_EXP	D→PL	CZ→PL	SK→PL	S→PL	UA→PL	PL_UCTE_IMP	PL_III_IMP	PL_CENTREL_IMP	PL_UCTE_SLD	PL_III_SLD	PL_CENTREL_SLD
	Export (-)								Import (+)								Balance		
I.96	187	n.a.	n.a.	0	n.a.	187	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-187	n.a.	n.a.
II.96	159	n.a.	n.a.	0	n.a.	159	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-159	n.a.	n.a.
III.96	125	n.a.	n.a.	0	n.a.	125	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-125	n.a.	n.a.
IV.96	129	n.a.	n.a.	0	n.a.	129	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-129	n.a.	n.a.
V.96	169	n.a.	n.a.	0	n.a.	169	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-169	n.a.	n.a.
VI.96	157	n.a.	n.a.	0	n.a.	157	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-157	n.a.	n.a.
VII.96	124	n.a.	n.a.	0	n.a.	124	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-124	n.a.	n.a.
VIII.96	64	n.a.	n.a.	0	n.a.	64	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-64	n.a.	n.a.
IX.96	66	n.a.	n.a.	0	n.a.	66	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-66	n.a.	n.a.
X.96	114	n.a.	n.a.	0	n.a.	114	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-114	n.a.	n.a.
XI.96	147	n.a.	n.a.	0	n.a.	147	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-147	n.a.	n.a.
XII.96	127	n.a.	n.a.	0	n.a.	127	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	0	n.a.	n.a.	-127	n.a.	n.a.
1996	**1568**	**n.a.**	**n.a.**	**0**	**n.a.**	**1568**	**n.a.**	**n.a.**	**0**	**n.a.**	**n.a.**	0	**n.a.**	**0**	**n.a.**	**n.a.**	**-1568**	**n.a.**	**n.a.**
I.00	12	844	191	0	0	12	0	1035	248	3	0	0	72	248	72	3	236	72	-1032
II.00	34	731	144	0	0	34	0	875	160	4	0	0	57	160	57	4	126	57	-871
III.00	57	578	141	0	0	57	0	719	138	8	0	0	68	138	68	8	81	68	-711
IV.00	60	503	81	0	0	60	0	584	119	8	1	0	33	119	33	9	59	33	-575
V.00	40	431	68	11	0	40	11	499	155	10	2	26	47	155	73	12	115	62	-487
VI.00	15	481	118	12	0	15	12	599	236	6	0	16	65	236	81	6	221	69	-593
VII.00	15	448	143	0	0	15	0	591	241	6	0	0	52	241	52	6	226	52	-585
VIII.00	35	525	96	0	0	35	0	621	224	8	0	0	47	224	47	8	189	47	-613
IX.00	64	553	232	0	0	64	0	785	190	3	0	0	41	190	41	3	126	41	-782
X.00	127	643	171	3	0	127	3	814	93	5	0	65	52	93	117	5	-34	114	-809
XI.00	123	739	157	0	0	123	0	896	88	1	0	161	53	88	214	1	-35	214	-895
XII.00	107	745	160	0	0	107	0	905	112	3	0	154	39	112	193	3	5	193	-902
2000	**689**	**7221**	**1702**	**26**	**0**	**689**	**26**	**8923**	**2004**	**65**	**3**	**422**	**626**	**2004**	**1048**	**68**	**1315**	**1022**	**-8855**
I.01	51	838	194	19	0	51	19	1032	162	4	0	158	60	162	218	4	111	199	-1028
II.01	92	760	173	0	0	92	0	933	81	4	0	142	53	81	195	4	-11	195	-929
III.01	134	735	166	0	0	134	0	901	87	12	0	101	58	87	159	12	-47	159	-889
IV.01	137	463	119	0	0	137	0	582	84	17	0	129	49	84	178	17	-53	178	-565
V.01	133	388	139	0	0	133	0	527	108	1	0	151	43	108	194	1	-25	194	-526
VI.01	120	394	132	0	0	120	0	526	104	0	1	140	32	104	172	1	-16	172	-525
VII.01	104	520	167	0	0	104	0	687	112	0	1	136	50	112	186	1	8	186	-686
VIII.01	53	592	152	0	0	53	0	744	167	6	0	140	49	167	189	6	114	189	-738
IX.01	104	633	209	0	0	104	0	842	96	8	0	117	45	96	162	8	-8	162	-834
X.01	37	802	184	0	0	37	0	986	165	5	0	157	52	165	209	5	128	209	-981
XI.01	147	814	207	0	0	147	0	1021	60	3	0	180	46	60	226	3	-87	226	-1018
XII.01	80	879	182	0	0	80	0	1061	90	3	0	148	52	90	200	3	10	200	-1058
2001	**1192**	**7818**	**2024**	**19**	**0**	**1192**	**19**	**9842**	**1316**	**63**	**2**	**1699**	**589**	**1316**	**2288**	**65**	**124**	**2269**	**-9777**

[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]

SLOVENSKO | GWh

MM_YY	SK→CZ	SK→H	SK→PL	SK→UA	SK_UCTE_EXP	SK_III_EXP	SK_CENTREL_EXP	CZ→SK	H→SK	PL→SK	UA→SK	SK_UCTE_IMP	SK_III_IMP	SK_CENTREL_IMP	SK_UCTE_SLD	SK_III_SLD	SK_CENTREL_SLD
	Export (-)							Import (+)							Balance		
I.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
II.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
III.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
IV.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
V.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
VI.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
VII.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
VIII.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
IX.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
X.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
XI.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
XII.96	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0	n.a.	n.a.	0	n.a.	n.a.
1996	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**0**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**n.a.**	**0**	**n.a.**	**n.a.**	**0**	**n.a.**	**n.a.**
I.00	112	604	0	32	0	32	716	527	0	191	23	0	23	718	0	-9	2
II.00	87	647	0	5	0	5	734	369	0	144	40	0	40	513	0	35	-221
III.00	83	609	0	10	0	10	692	330	0	141	45	0	45	471	0	35	-221
IV.00	86	595	1	0	0	0	682	235	0	81	78	0	78	316	0	78	-366
V.00	109	629	2	1	0	1	740	316	0	68	49	0	49	384	0	48	-356
VI.00	93	541	0	44	0	44	634	333	0	118	11	0	11	451	0	-33	-183
VII.00	86	701	0	14	0	14	787	530	0	143	30	0	30	673	0	16	-114
VIII.00	102	635	0	16	0	16	737	449	0	96	52	0	52	545	0	36	-192
IX.00	60	725	0	22	0	22	785	369	0	232	9	0	9	601	0	-13	-184
X.00	119	559	0	27	0	27	678	214	0	171	11	0	11	385	0	-16	-293
XI.00	183	576	0	14	0	14	759	254	0	157	22	0	22	411	0	8	-348
XII.00	152	728	0	20	0	20	880	340	0	160	20	0	20	500	0	0	-380
2000	**1272**	**7549**	**3**	**205**	**0**	**205**	**8824**	**4266**	**0**	**1702**	**390**	**0**	**390**	**5968**	**0**	**185**	**-2856**
I.01	128	712	0	1	0	1	840	387	0	194	44	0	44	581	0	43	-259
II.01	104	642	0	1	0	1	746	334	0	173	46	0	46	507	0	45	-239
III.01	95	604	0	12	0	12	699	308	0	166	27	0	27	474	0	15	-225
IV.01	68	550	0	16	0	16	618	250	0	119	9	0	9	369	0	-7	-249
V.01	78	633	0	18	0	18	711	277	0	139	13	0	13	416	0	-5	-295
VI.01	104	608	1	78	0	78	713	340	0	132	13	0	13	472	0	-65	-241
VII.01	140	670	1	41	0	41	811	335	0	167	14	0	14	502	0	-27	-309
VIII.01	61	757	0	14	0	14	818	355	0	152	18	0	18	507	0	4	-311
IX.01	64	661	0	6	0	6	725	245	0	209	20	0	20	454	0	14	-271
X.01	82	822	0	17	0	17	904	336	0	184	17	0	17	520	0	0	-384
XI.01	152	802	0	1	0	1	954	270	0	207	64	0	64	477	0	63	-477
XII.01	134	853	0	13	0	13	987	273	0	182	44	0	44	455	0	31	-532
2001	**1210**	**8314**	**2**	**218**	**0**	**218**	**9526**	**3710**	**0**	**2024**	**329**	**0**	**329**	**5734**	**0**	**111**	**-3792**

[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".

SLOVENSKO

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	n.a.
			2000	8517
			2001	9138
Thermal nuclear net production	GWh	Σ	1996	n.a.
			2000	15175
			2001	15742
Hydraulic net production	GWh	Σ	1996	n.a.
			2000	5026
			2001	4863
Total net electrical energy production	GWh	Σ	1996 [2]	n.a.
			2000 [2]	28718
			2001 [2]	29743
Total physical import / export balance [1]	GWh	Σ	1996	n.a.
			2000	-2673
			2001	-3678
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	392
			2001	258
National electrical consumption	GWh	Σ	1996	n.a.
			2000	25653
			2001	25807
National electrical consumption as percentage of total values	%	∅ pond.	1996	n.a.
			2000	100
			2001	100
Energy capability factor (hydro power)		∅ pond.	1996	n.a.
			2000	1,12
			2001	1,10
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	3509
			2001	3684
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	3980
			2001	4108
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	4149
			2001	4264
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	4393
			2001	4680

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

[2] Including deliveries from industry

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.
1122	842	796	645	670	526	466	490	524	717	768	951
1007	865	880	780	645	610	561	481	550	773	921	1065
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1192	1239	1164	955	1016	1248	1169	1171	1358	1490	1567	1606
1384	1238	1190	1089	1111	1144	1144	1341	1318	1495	1612	1676
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
328	496	672	727	543	349	374	411	273	275	284	294
358	347	508	487	462	442	511	393	394	314	294	353
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2642	2577	2632	2327	2229	2123	2009	2072	2155	2482	2619	2851
2749	2450	2578	2356	2218	2196	2216	2215	2262	2582	2827	3094
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-7	-186	-187	-289	-308	-216	-98	-156	-196	-309	-340	-381
-215	-194	-211	-255	-300	-305	-335	-308	-257	-383	-414	-501
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	31	34	35	24	25	33	29	39	42	40	40
23	16	20	13	23	8	7	30	29	30	34	25
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2615	2360	2411	2003	1897	1882	1878	1887	1920	2131	2239	2430
2511	2240	2347	2088	1895	1883	1874	1877	1976	2169	2379	2568
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
100	100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100	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.
0,82	1,79	1,81	1,50	1,02	0,78	0,88	1,12	0,76	0,90	0,91	0,80
1,08	1,00	1,28	1,01	0,92	1,23	1,46	0,99	1,41	0,89	0,81	0,98
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3509	3385	3239	2670	2545	2650	2572	2511	2648	2716	2977	3359
3484	3381	3080	3003	2559	2588	2459	2538	2771	2835	3377	**3684**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3980	3807	3592	2960	2985	3108	3007	3085	3283	3210	3556	3793
3942	3845	3557	3256	2993	3150	2976	3002	3210	3382	3800	**4108**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
4112	4018	3879	3227	3095	3187	3033	3156	3414	3542	3829	**4149**
4083	3974	3837	3464	3085	3223	3046	3152	3512	3662	4084	**4264**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3972	4173	3897	3507	3415	3451	3295	3352	3539	3627	4152	**4393**
4261	4238	3806	3550	3519	3574	3473	3453	3572	3817	4406	**4680**

CENTREL

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	n.a
			2000	221175
			2001	222339
Thermal nuclear net production	GWh	Σ	1996	n.a
			2000	41231
			2001	42810
Hydraulic net production	GWh	Σ	1996	n.a
			2000	11475
			2001	11555
Total net electrical energy production	GWh	Σ	1996 [2]	n.a
			2000 [2]	273881
			2001 [2]	276704
Total physical import / export balance [1]	GWh	Σ	1996	n.a
			2000	-15627
			2001	-16768
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	3931
			2001	3414
National electrical consumption	GWh	Σ	1996	n.a.
			2000	254323
			2001	256522
National electrical consumption as percentage of total values	%	∅ pond.	1996	-
			2000	-
			2001	-
Energy capability factor (hydro power)		∅ pond.	1996	-
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	31431
			2001	32986
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	38011
			2001	38911
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	40223
			2001	41291
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	41364
			2001	42759

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

[2] Including deliveries from industry

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.
22243	19699	20599	17325	16281	15839	15750	16415	17180	19006	19829	21009
21984	19429	20687	18315	16547	16107	15971	15856	16978	18217	20688	21560
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3698	3638	3319	2845	2937	3064	3126	2967	3472	3940	4049	4176
3951	3554	3498	3070	3109	3042	2974	3307	3407	4356	4086	4456
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
806	1159	1498	1508	1088	775	807	905	690	723	714	802
845	881	1179	1182	1032	937	1056	907	963	852	836	885
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
26747	24496	25416	21678	20306	19678	19683	20287	21342	23669	24592	25987
26780	23864	25364	22567	20688	20086	20001	20070	21348	23425	25610	26901
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-1153	-1364	-1409	-1469	-1083	-905	-797	-1085	-1401	-1703	-1634	-1624
-1378	-1377	-1424	-1371	-1303	-1256	-1165	-1063	-1338	-1461	-1909	-1723
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
334	294	314	303	314	303	301	328	342	354	316	428
331	311	342	281	268	247	251	245	262	291	288	297
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
25260	22838	23693	19906	18909	18470	18585	18874	19599	21612	22642	23935
25071	22176	23598	20915	19117	18583	18585	18762	19748	21673	23413	24881
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
31164	30047	29239	25002	24781	24927	23718	22695	26204	26557	28716	**31431**
32986	31753	30790	28793	24928	24834	23846	23223	26551	26758	30976	32755
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
38011	36840	34889	30812	30178	30488	29645	29870	33213	32969	34743	37219
38786	37599	36054	33572	30243	30838	29639	26434	32370	33278	37521	**38911**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
40223	38512	37291	32431	30852	30593	29566	30893	34942	35695	38142	40177
41249	39378	38600	35170	31076	31197	29998	28385	34935	35897	40135	**41291**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
41227	38795	38588	34496	33208	33779	32400	33028	36636	36884	39025	**41364**
42293	41570	39457	37375	33662	34458	32579	29025	35780	36781	42050	**42759**

UCTE + CENTREL

Monthly values
Operation

				I-XII
Thermal conventional net production	GWh	Σ	1996	n.a
			2000	1093050
			2001	1128649
Thermal nuclear net production	GWh	Σ	1996	n.a
			2000	733340
			2001	744350
Hydraulic net production	GWh	Σ	1996	n.a
			2000	305092
			2001	332584
Total net electrical energy production	GWh	Σ	1996 [2]	n.a
			2000 [2]	2131482
			2001 [2]	2205583
Total physical import / export balance [1]	GWh	Σ	1996	n.a
			2000	-6284
			2001	-3513
Consumption of pumps	GWh	Σ	1996	n.a.
			2000	38918
			2001	37996
National electrical consumption	GWh	Σ	1996	n.a.
			2000	2087108
			2001	2164074
National electrical consumption as percentage of total values	%∅	pond.	1996	-
			2000	-
			2001	-
Energy capability factor (hydro power)	∅	pond.	1996	-
			2000	-
			2001	-
Consumption load at 3:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	224705
			2001	252486
Consumption load at 11:00 a.m. on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	309772
			2001	335714
Peak load on the 3rd Wednesday	MW	max.	1996	n.a.
			2000	327312
			2001	349467
Power produced in parallel operation on the 3rd Wednesday at 11:00 a.m.	MW	max.	1996	n.a.
			2000	322071
			2001	341091

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

[2] Including deliveries from industry

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.
108898	100804	102225	86120	78318	80671	85134	82533	88689	91563	94231	93864
103588	93138	97798	86954	84775	83375	86903	82854	88942	97033	108125	115164
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
67146	61609	63697	57956	57794	55465	58049	56056	58884	63323	64935	68426
70688	61555	63097	58791	56009	54823	57802	58470	60857	65042	66118	71098
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
24719	22019	23513	25726	32651	27172	24488	22995	20312	24483	27582	29432
32915	28925	34518	31952	34139	30319	29985	25325	22462	21672	20196	20176
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
200763	184432	189435	169802	168763	163308	167671	161584	167885	179369	186748	191722
207191	183618	195413	177697	174923	168517	174690	166649	172261	183747	194439	206438
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
-299	-687	-629	-750	-1052	-1062	-808	-2223	-319	344	440	761
557	130	-998	-1092	-950	-1720	-1802	-1267	34	94	1523	1978
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
3106	3005	3191	3441	3549	2835	2920	2931	3101	3391	3521	3927
3662	2789	3308	2936	3267	2912	2891	2946	3081	3366	3165	3673
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
197815	180740	185615	165611	164162	159411	163943	156430	164836	176322	183667	188556
204086	180959	191107	173669	170706	163885	169997	162436	169214	180475	192797	204743
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
224705	218633	208295	198111	182001	188251	185655	164021	187001	198684	218318	224123
237776	232042	215438	209175	186943	191336	189604	171891	195413	198251	235543	**252486**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
306825	300455	282789	280123	266796	277622	267911	242297	276331	284319	299882	**309772**
319761	304631	295118	289903	275849	275871	276453	223667	289267	285831	314923	**335714**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
320940	311638	296393	285667	272232	282962	273171	254933	282278	292852	313735	**327312**
329938	315049	303444	298615	279717	285378	281754	239235	291935	294912	337002	**349467**
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
318013	310337	295760	291976	284035	294391	282389	257309	288351	297550	314497	**322071**
329883	315252	308437	305970	288386	294992	290182	241369	294550	298781	326958	**341091**

UCTE + CENTREL

Annual physical electricity exchange in interconnected operation (GWh)

EXPORTING COUNTRIES	Year	IMPORTING COUNTRIES B	D	E	F	GR	I	SLO	HR	BiH	JIEL	L	NL	A	P	CH	UCTE	CZ	H	PL	SK	CEN TREL	III	TOTAL Export
B	1996				1274							1376	2799				5449							5449
	2000				201							1967	5150				7318							7318
	2001				205							2007	4487				6699							6699
D	1996				32							4126	13766	6751		9150	33825	1475		4034		5509	2464	41798
	2000				226							4441	17798	7246		10101	39812	231		2004		2235	551	42598
	2001				229							4522	17009	7177		10095	39032	199		1316		1515	3408	43955
E	1996				1664										4030		5694						0	5694
	2000				587										4597		5184						2261	7445
	2001				1174										3629		4803						1577	6380
F	1996	5458	16683	3763			17791									11032	54727						16626	71353
	2000	8393	15201	8479			16142									9357	57572						14362	71934
	2001	11515	14575	6719			18198									9330	60337						10827	71164
GR	1996						0				858						858						457	1315
	2000						0				422						422						1124	1546
	2001						6				55						61						1000	1061
I	1996				228	0		507						0		20	755							755
	2000				393	0		73						0		10	476							476
	2001				425	14		66						0		42	547							547
SLO	1996						1448		n.a.					151			n.a.							n.a.
	2000						4509		2455					21			6985							6985
	2001						5133		3266					62			8461							8461
HR	1996							n.a.		n.a.	0						n.a.		17			17		n.a.
	2000							2326		152	0						2478		0			0		2478
	2001							3581		1767	1						5349		3			3		5352
BiH	1996								n.a.		n.a.						n.a.							n.a.
	2000								31		2687						2718							2718
	2001								586		3435						4021							4021
JIEL	1996					1865			0								1865		53			53	704	2622
	2000					617			128	961							1706		0			0	880	2586
	2001					1139			0	695							1834		0			0	1331	3165
L	1996	0	809														809							809
	2000	0	737														737							737
	2001	382	745														1127							1127
NL	1996	4137	1641														5778							5778
	2000	3132	897														4029							4029
	2001	3802	406														4208							4208
A	1996		3364				1423	1319								2026	8132	37	681			718		8850
	2000		5608				1946	3237								4161	14952	1	425			426		15378
	2001		5961				1863	3027								3641	14492	2	231			233		14725
P	1996			3005													3005							3005
	2000			3765													3765							3765
	2001			3479													3479							3479
CH	1996		4571		137		17471							371			22550							22550
	2000		5150		1652		22335							214			29351							29351
	2001		6348		1606		23826							729			32509							32509

UCTE	**1996**	9595	27068	6768	3335	1865	38133	n.a.	n.a.	n.a.	858	5502	16565	7273	4030	22228	143220	1512	751	4034		6297	20283	169800
	2000	11525	27593	12244	3059	617	44932	5636	2614	1113	3109	6408	22948	7481	4597	23629	177505	232	425	2004		2661	19178	199344
	2001	15699	28035	10198	3639	1153	49026	6674	3852	2462	3491	6529	21496	7968	3629	23108	186959	201	234	1316		1748	18143	206850
CZ	**1996**		2953											2227			5180			n.a.	n.a.	n.a.		n.a.
	2000		8932											5480			14412			65	4266	4331		18743
	2001		9261											5730			14991			63	3710	3773		18764
H	**1996**								73		291			697			1061				n.a.	n.a.	n.a.	n.a.
	2000								4471		766			842			6079				0	0	4	6083
	2001								4693		1275			1167			7135				0	0	94	7229
PL	**1996**		1568														1568	n.a.			n.a.	n.a.	n.a.	n.a.
	2000		689														689	7221			1702	8923	26	9638
	2001		1192														1192	7818			2024	9842	19	11053
SK	**1996**																	n.a.	n.a.	n.a.		n.a.	n.a.	n.a.
	2000																	1272	7549	3		8824	205	9029
	2001																	1210	8314	2		9526	218	9744
CENTREL	**1996**		4521						73		291			2924			7809	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	2000		9621						4471		766			6322			21180	8493	7549	68	5968	22078	235	43493
	2001		10453						4693		1275			6897			23318	9028	8314	65	5734	23141	331	46790
III	**1996**		3714	0	3	799					1950						6466		n.a.	n.a.	n.a.	n.a.		n.a.
	2000		6942	0	0	1114					1821						9877		1548	1048	390	2986		12863
	2001		5478	0	203	2417					2630						10728		1856	2288	329	4473		15201
TOTAL	**1996**	9595	35303	6768	3338	2664	38133	n.a.	n.a.	n.a.	3099	5502	16565	10197	4030	22228	157422							
Import	**2000**	11525	44156	12244	3059	1731	44932	5636	7085	1113	5696	6408	22948	13803	4597	23629	208562							
	2001	15699	43966	10198	3842	3570	49026	6674	8545	2462	7396	6529	21496	14865	3629	23108	221005							
Saldo	**1996**	4146	-6757	1074	-51392	1007	37378	n.a.	n.a.	n.a.	-1007	4693	10787	-859	1025	-322								
UCTE	**2000**	4207	-12219	7060	-54513	195	44456	-1349	136	-1605	1403	5671	18919	-7471	832	-5722								
	2001	9000	-10997	5395	-56698	1092	48479	-1787	-1497	-1559	1657	5402	17288	-6524	150	-9401								
Saldo	**1996**	4146	-6495	1074	-68015	1349	37378	n.a.	n.a.		477	4693	10787	1347	1025	-322								
TOTAL	**2000**	4207	1558	4799	-68875	185	44456	-1349	4607	-1605	3110	5671	18919	-1575	832	-5722								
	2001	9000	11	3818	-67322	2509	48479	-1787	3193	-1559	4231	5402	17288	140	150	-9401								

Load values

II

HOURLY LOAD VALUES PER COUNTRY

NOTICE:

A grafical presentation of the load curves of all the countries is available in an electronic format on UCTE's web site (http://www.ucte.org) in the section „Publications" together with the Statistical Yearbook 2001.

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

Hourly load values on the 3rd Wednesday in MW

Belgique

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	11315	10915	10567	10296	10183	10281	11222	12209	12460	12212	12092
21 / 2/ 2001	10529	10021	9657	9316	9342	9653	10595	11424	11690	11735	11810
21 / 3/ 2001	10328	9862	9477	9183	9218	9620	10603	11351	11681	12042	12046
18 / 4/ 2001	9831	9250	8765	8656	8754	9069	10004	10748	11138	11498	11636
16 / 5/ 2001	8696	8152	7947	7787	7670	7906	8547	9573	10343	10629	10727
20 / 6/ 2001	8500	8083	7807	7662	7637	7854	8598	9584	10133	10509	10576
18 / 7/ 2001	7760	7405	7114	7003	7058	7219	7441	8037	8742	9154	9328
15 / 8/ 2001	8103	7706	7284	7134	7044	6904	6682	6825	7273	7594	7873
19 / 9/ 2001	8948	8307	8017	7926	7932	8227	9194	10217	10595	10742	10878
17 /10 2001	8743	8291	7875	7773	7705	8132	9111	10284	10539	10668	10658
21 /11/ 2001	9997	9440	9016	8812	8835	9163	10125	11283	11389	11481	11432
19 /12/ 2001	10510	9982	9761	9406	9298	9571	10428	11263	11784	11726	11699

Deutschland [1]

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	51400	50300	49400	50400	51700	54900	61400	68700	69200	68400	68800
21 / 2/ 2001	56600	54600	53100	53700	54700	55600	62100	66400	68400	68600	69800
21 / 3/ 2001	51200	50300	50000	51000	52900	56100	61100	66300	67700	67400	68100
18 / 4/ 2001	47000	45000	44800	45700	48200	53300	59300	64700	67000	67200	68600
16 / 5/ 2001	42100	40600	39900	40600	42600	46600	54300	60600	63100	63200	64300
20 / 6/ 2001	42500	40900	40300	40600	42300	45800	54300	60600	63400	64000	65800
18 / 7/ 2001	41500	40300	39600	39700	40600	43600	51600	57200	59700	60400	61300
15 / 8/ 2001	40200	38800	37600	37900	40000	43500	50900	56800	58700	59700	61500
19 / 9/ 2001	42300	40700	40400	40700	43100	48400	56400	60800	63000	63400	64300
17 /10 2001	48000	46300	46500	47000	48500	52400	59500	66600	67500	67500	68100
21 /11/ 2001	56100	54000	53500	53300	54500	56400	63100	68600	70400	71300	71600
19 /12/ 2001	54700	53400	52400	53200	54100	56500	64700	71600	72800	72900	73200

[1] Values estimated on the basis of former data from the German Federal Office for Statistics

Espãna

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	25130	22999	21958	21103	20686	20659	22050	24954	27991	29072	29770
21 / 2/ 2001	24194	21953	20614	20130	19823	19795	21589	24115	26352	27833	28653
21 / 3/ 2001	22577	20779	19431	18807	18698	18640	20420	22581	24779	25995	26830
18 / 4/ 2001	21867	19995	18921	18505	18361	18484	20187	22448	24198	25575	26393
16 / 5/ 2001	21502	19830	18588	18162	18131	18450	20004	22025	24338	25732	26499
20 / 6/ 2001	23096	21291	20417	20002	19934	19999	21052	22888	25753	27263	28175
18 / 7/ 2001	22685	20843	19374	19005	18737	19112	20243	22323	24307	26401	27771
15 / 8/ 2001	22145	20282	19033	18461	17878	17554	17053	16347	17014	18301	19534
19 / 9/ 2001	21028	20045	19199	18894	18977	19098	20731	23600	25202	26286	27170
17 /10 2001	21256	19789	18733	17967	17992	18195	19864	23144	25361	25664	26166
21 /11/ 2001	25953	23698	22251	21586	21364	21323	22809	25981	28483	29721	30958
19 /12/ 2001	28067	25062	23643	23170	22730	22699	24533	27068	30944	31654	33500

Hourly load values on the 3rd Wednesday in MW

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
12183	11948	11957	11905	11915	11827	12496	12834	12419	11920	11388	11751	11793
11923	11700	11805	11755	11676	11552	11632	12077	11893	11319	10842	11033	10858
12048	11788	11713	11722	11568	11255	11094	11294	11589	11372	10715	10899	10843
11770	11544	11409	11268	11187	10974	10804	10585	10359	10127	10594	10947	10925
11024	10747	10649	10606	10537	10433	10294	9904	9528	9260	9234	9656	9181
10722	10576	10534	10446	10356	10203	10039	9754	9334	9121	8937	9418	9323
9601	9463	9272	9246	9195	9118	9009	8882	8498	8235	8182	8640	8388
8065	8171	7878	7653	7525	7410	7609	7636	7723	7580	7994	8473	8149
11248	11044	11002	11000	10931	10720	10495	10395	10170	10382	10085	10068	9749
10963	10765	10653	10485	10345	10095	10106	10226	10775	10457	9892	9849	9511
11614	11401	11360	11354	11337	11398	11883	11870	11594	11119	10652	10840	10728
11815	11605	11699	11635	11655	11847	12168	12023	11689	11203	10758	11037	11000

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
69200	68000	67200	65500	65100	65800	70400	70300	67500	63300	61700	59800	56900
70500	70000	69000	67800	66200	65400	68000	71800	68600	64400	64100	62400	62300
70400	67600	66400	65200	63000	61300	62100	67000	67800	63300	61300	59400	57800
69100	67900	66900	65800	63800	61900	61900	61100	60500	60900	59300	56800	52600
65300	64600	63000	61400	60200	58600	58500	58800	57600	55500	55000	51300	47200
66800	64900	63700	62800	60700	59000	57600	57100	55200	53600	52100	51000	47300
62700	60500	59500	58100	56300	55000	54400	53900	52100	49800	49200	46900	43000
61700	60900	59500	58400	56600	55100	54800	54400	53700	52400	49700	46400	42000
65000	63900	62600	61400	60000	58200	57800	58400	60800	58300	53700	49700	45100
68200	66200	64300	63100	61900	59600	60600	66000	65800	61300	58600	56300	52700
72700	72600	71300	70700	70100	72100	73200	72300	70300	65600	64000	62400	58800
75000	73700	72700	72200	72200	73900	74800	74000	71700	67300	65800	63900	60400

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
29975	29310	28416	27072	26959	27541	28454	29715	30984	30632	29441	27823	27237
28648	28452	27546	25971	25801	26017	25897	26831	29040	29749	29018	26696	26559
27056	27183	26093	24904	24833	25325	25423	25223	26600	27930	26777	24294	23858
26821	26995	26318	24668	25263	25680	25913	25350	25104	25353	27164	25609	23177
27024	27128	26354	24843	25327	26237	26630	26068	25863	25733	26654	26090	23655
29223	29501	29180	28085	28552	29240	29725	29443	28533	27706	26951	27649	25609
28579	29019	28279	26942	27330	27844	28166	27912	26984	26096	25801	26339	24267
20509	21002	21800	21773	20787	20274	20091	20138	20424	21369	23476	24177	22740
27779	28033	27708	26260	26476	26895	27424	27237	26725	28220	28540	26094	23765
26445	26590	26019	24606	24975	25342	25889	25963	27088	28770	27493	24842	21797
30970	30918	29975	28096	28672	29406	30622	33170	33085	32206	30899	28545	28145
33358	33107	31863	30181	30632	31319	32233	35186	34115	33361	32118	30581	30732

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
17 / 1/ 2001	56162	59810	57843	55447	54544	57171	61301	64924	66204	66513	66220
21 / 2/ 2001	52287	56207	54112	51792	51388	53737	56701	58781	60834	61079	60325
21 / 3/ 2001	46811	49251	47017	44203	43764	46419	51518	54921	57215	57610	57389
18 / 4/ 2001	50309	50716	48907	46819	46422	49098	53205	56805	59725	61014	60834
16 / 5/ 2001	41818	41592	39454	37631	37455	39641	43738	48511	51403	52881	53193
20 / 6/ 2001	42224	41696	39644	38036	37866	39135	43451	48004	50800	52370	52807
18 / 7/ 2001	41616	41636	39551	38069	38072	39758	42380	46976	50277	52473	53229
15 / 8/ 2001	38007	37582	35133	33126	32288	32071	31431	32964	35319	37445	38607
19 / 9/ 2001	45025	44700	42569	40858	40970	43744	49902	53405	56104	57511	57599
17 /10 2001	42687	42652	40548	38841	38816	41772	48231	53696	55007	55627	55367
21 /11/ 2001	54365	57855	55750	53602	53471	56352	60349	63431	64935	65111	64505
19 /12/ 2001	63301	67049	65278	63035	62579	65255	68722	72244	73201	73412	72555

Hellas

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	4644	4710	4534	4473	4487	4692	5302	5778	6284	6410	6479
21 / 2/ 2001	4888	4971	4781	4672	4703	4857	5477	5820	6276	6325	6360
21 / 3/ 2001	4102	4055	3972	4045	4164	4194	4759	5362	5677	5645	5730
18 / 4/ 2001	4180	4150	4122	3987	3969	3924	4324	4943	5379	5490	5565
16 / 5/ 2001	4084	3969	3942	3916	3973	3970	4501	5297	5547	5609	5641
20 / 6/ 2001	4783	4604	4481	4453	4517	4526	5207	5931	6419	6630	6819
18 / 7/ 2001	6073	5747	5627	5608	5671	5720	6251	6963	7529	7740	8023
15 / 8/ 2001	4546	4415	4362	4320	4277	4174	4300	4312	4512	4831	5176
19 / 9/ 2001	4487	4488	4426	4369	4449	4630	5188	5678	6198	6459	6678
17 /10 2001	4531	4287	4293	4237	4354	4899	5227	5507	5890	5952	6056
21 /11/ 2001	4604	4743	4749	4678	4667	4825	5411	5870	6159	6156	6203
19 /12/ 2001	4972	4979	4944	4959	5100	5308	5719	6259	6756	6790	7012

Italia

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	29686	28465	28137	28205	28739	31321	37597	44817	47935	48325	48147
21 / 2/ 2001	29392	28344	27950	27729	28515	31053	36513	43184	46138	46380	45988
21 / 3/ 2001	28402	27795	27093	27077	27716	29847	34386	41328	43983	44389	44067
18 / 4/ 2001	27955	26933	26577	26692	27087	29404	33643	40618	44264	44505	44201
16 / 5/ 2001	28948	27883	27404	27369	27775	28839	33632	40465	43608	44076	43824
20 / 6/ 2001	30027	28614	28141	27821	28404	28779	33962	40195	43931	44779	44542
18 / 7/ 2001	31793	30518	29678	29623	29977	30892	35563	41825	45938	47088	47416
15 / 8/ 2001	22907	21682	21061	20520	20414	20536	20362	22251	23905	24816	25013
19 / 9/ 2001	29216	28114	27715	27541	28049	30289	34675	40731	43650	44111	43867
17 /10 2001	29151	28364	27889	27746	28299	30459	36009	41718	44151	44352	44291
21 /11/ 2001	29696	28745	28097	28355	29021	31554	37633	44079	46773	46803	46449
19 /12/ 2001	30417	29212	28759	28590	29383	32273	38584	46055	48877	49546	49051

Hourly load values on the 3rd Wednesday in MW

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
66375	65868	65402	63473	62320	62195	65658	68581	65744	62577	58540	60162	58586
60254	59336	58653	56221	54415	53476	54540	61493	60042	54109	53659	55291	53606
57460	56808	56276	54391	53109	51953	52310	56564	57700	54040	49941	51280	49684
60837	60453	60096	58058	56478	55073	54116	55515	54929	55852	54361	55983	54708
53631	53107	52707	51639	50107	48965	48045	49028	47622	46209	46704	48294	46275
53291	53118	52769	51900	50627	49471	48600	49115	47349	45109	44649	48823	46652
54018	53191	53037	52099	50661	49149	48121	48830	47232	45381	45027	47512	45566
39376	41005	38450	36935	35840	35041	35488	36713	37438	38032	39487	41001	38981
57639	57113	56771	55457	54139	52880	52514	54132	54804	54045	50070	50957	48804
55265	54476	54192	52806	51398	50244	50005	54211	55944	52051	47873	48487	47151
63993	63350	62955	60831	59797	60624	65917	68435	65213	61901	58238	59887	58171
72547	72214	71470	69583	68559	69541	73730	74952	72412	69664	66202	68196	66184

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
6567	6496	6016	6152	6212	6391	6656	6668	6494	5901	5517	5318	4893
6383	6351	6114	6020	6014	6108	6558	6938	6798	6466	5651	5347	5039
5783	5709	5271	5141	5008	4998	5572	6199	6117	5701	5159	4720	4385
5617	5639	5200	4969	4801	4700	4692	4967	5731	5782	5157	4837	4533
5754	5661	5525	5128	4885	4889	4964	5079	5568	5920	5206	4699	4340
6870	6785	6414	5927	5634	5542	5654	5792	5935	6282	5731	5245	4822
8270	8239	8020	7603	7424	7358	7437	7371	7373	7681	7432	7051	6598
5250	4985	4616	4412	4420	4535	4675	4789	5148	5524	5299	5036	4717
6739	6704	6436	5903	5715	5846	5910	6198	6695	6356	5692	5026	4715
6095	6034	5859	5461	5249	5320	5528	6360	6351	6052	5360	4770	4617
6226	6226	5993	5769	5929	6527	6841	6872	6647	6343	5616	5320	4939
7080	6945	6619	6513	6811	7417	7683	7735	7506	7038	6349	6059	5428

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
29975	29310	28416	27072	26959	27541	28454	29715	30984	30632	29441	27823	27237
28648	28452	27546	25971	25801	26017	25897	26831	29040	29749	29018	26696	26559
27056	27183	26093	24904	24833	25325	25423	25223	26600	27930	26777	24294	23858
26821	26995	26318	24668	25263	25680	25913	25350	25104	25353	27164	25609	23177
27024	27128	26354	24843	25327	26237	26630	26068	25863	25733	26654	26090	23655
29223	29501	29180	28085	28552	29240	29725	29443	28533	27706	26951	27649	25609
28579	29019	28279	26942	27330	27844	28166	27912	26984	26096	25801	26339	24267
20509	21002	21800	21773	20787	20274	20091	20138	20424	21369	23476	24177	22740
27779	28033	27708	26260	26476	26895	27424	27237	26725	28220	28540	26094	23765
26445	26590	26019	24606	24975	25342	25889	25963	27088	28770	27493	24842	21797
30970	30918	29975	28096	28672	29406	30622	33170	33085	32206	30899	28545	28145
33358	33107	31863	30181	30632	31319	32233	35186	34115	33361	32118	30581	30732

Hourly load values on the 3rd Wednesday in MW

Slovenija

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	1149	1101	1090	1084	1104	1192	1474	1644	1672	1637	1638
21 / 2/ 2001	1102	1073	1042	1042	1031	1138	1394	1518	1573	1518	1515
21 / 3/ 2001	1099	1048	1019	1015	1038	1117	1384	1523	1568	1518	1504
18 / 4/ 2001	1099	1048	1019	1015	1038	1117	1384	1523	1568	1518	1513
16 / 5/ 2001	1060	989	963	955	964	1013	1280	1425	1488	1449	1434
20 / 6/ 2001	1050	1035	1011	1006	1009	1041	1291	1453	1470	1434	1429
18 / 7/ 2001	1055	1022	972	1005	1006	1013	1255	1418	1432	1416	1427
15 / 8/ 2001	939	887	887	865	855	846	874	923	981	1003	1041
19 / 9/ 2001	1090	1010	985	984	993	1080	1367	1492	1516	1498	1492
17 /10 2001	1094	1034	1026	1017	1017	1114	1443	1599	1616	1537	1532
21 /11/ 2001	1155	1094	1059	1082	1092	1167	1476	1634	1669	1604	1605
19 /12/ 2001	1210	1157	1142	1138	1169	1251	1564	1735	1772	1732	1713

Hrvatska

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	1587	1425	1349	1319	1368	1464	1812	2148	2301	2335	2313
21 / 2/ 2001	1455	1348	1310	1281	1309	1425	1741	2036	2170	2160	2118
21 / 3/ 2001	1310	1204	1178	1139	1114	1228	1530	1810	1900	1910	1882
18 / 4/ 2001	1469	1318	1267	1237	1253	1330	1594	1889	2139	2152	2011
16 / 5/ 2001	1128	1039	987	981	995	1020	1259	1523	1606	1635	1630
20 / 6/ 2001	1164	1085	1030	1009	1015	1056	1274	1527	1672	1728	1739
18 / 7/ 2001	1329	1216	1135	1119	1110	1123	1316	1557	1728	1761	1789
15 / 8/ 2001	1261	1172	1101	1068	1058	1039	1037	1171	1334	1432	1513
19 / 9/ 2001	1256	1161	1097	1099	1110	1232	1481	1764	1910	1909	1898
17 /10 2001	1172	1086	1062	1047	1069	1182	1490	1732	1814	1809	1769
21 /11/ 2001	1532	1423	1345	1332	1347	1506	1868	2127	2259	2246	2191
19 /12/ 2001	1907	1758	1685	1652	1684	1791	2149	2529	2703	2620	2630

JIEL

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	6568	6055	5625	5598	5397	5764	6578	7266	7641	7729	7728
21 / 2/ 2001	6048	5636	5277	5107	5072	5457	6307	7109	7303	7219	7325
21 / 3/ 2001	4512	4183	3952	3742	4009	4208	5048	5833	6093	6101	5871
18 / 4/ 2001	5017	4600	4357	4184	3926	4461	5193	5996	6274	6317	6243
16 / 5/ 2001	3477	3108	2922	2778	2874	3160	3653	4255	4601	4728	4655
20 / 6/ 2001	3449	3174	2930	2827	2894	3033	3469	4107	4548	4790	4839
18 / 7/ 2001	3560	3241	3039	2904	2953	3079	3540	3970	4354	4482	4476
15 / 8/ 2001	3523	3130	2897	2847	2867	3020	3391	3980	4228	4320	4366
19 / 9/ 2001	3767	3476	3187	3103	3153	3482	4070	4730	4950	5068	5080
17 /10 2001	3549	3354	3116	3045	2894	3366	4164	4736	4977	4949	4876
21 /11/ 2001	6258	5727	5328	5162	5157	5420	5941	6598	6838	6889	6847
19 /12/ 2001	7532	7053	6582	6397	6323	6539	7206	7730	8037	8297	8025

Hourly load values on the 3rd Wednesday in MW

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
1637	1631	1693	1625	1571	1596	1693	1695	1660	1597	1453	1340	1262
1539	1534	1609	1534	1471	1431	1485	1618	1593	1511	1380	1253	1183
1507	1555	1537	1540	1479	1459	1414	1411	1466	1537	1433	1285	1222
1507	1555	1537	1540	1479	1459	1414	1411	1466	1537	1433	1285	1222
1469	1485	1444	1484	1449	1426	1366	1386	1396	1445	1400	1282	1191
1452	1461	1467	1469	1436	1404	1331	1304	1345	1325	1343	1267	1169
1463	1483	1443	1482	1430	1399	1348	1329	1346	1383	1345	1250	1187
1074	1045	1005	1007	969	966	949	959	984	1063	1085	1016	937
1491	1496	1491	1496	1457	1441	1370	1438	1575	1563	1453	1278	1213
1577	1588	1562	1552	1496	1447	1451	1595	1646	1604	1448	1294	1223
1618	1633	1657	1591	1588	1645	1750	1710	1701	1625	1470	1363	1255
1713	1709	1702	1661	1659	1734	1789	1763	1763	1678	1577	1465	1381

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
2315	2279	2222	2169	2133	2235	2375	2360	2332	2256	2214	2022	1797
2111	2051	1981	1955	1906	1921	2037	2227	2255	2172	2106	1899	1639
1916	1891	1812	1770	1741	1755	1817	1980	2043	1954	1882	1692	1444
1998	1957	1869	1836	1781	1722	1708	1679	1832	2093	2015	1853	1641
1683	1662	1586	1576	1487	1465	1445	1402	1451	1667	1727	1587	1364
1783	1776	1681	1648	1590	1591	1538	1528	1555	1649	1702	1618	1407
1852	1869	1786	1734	1674	1648	1626	1620	1677	1742	1846	1742	1519
1535	1499	1394	1316	1292	1279	1291	1300	1386	1569	1611	1521	1332
1908	1891	1784	1743	1673	1652	1618	1660	1973	1974	1856	1683	1461
1767	1752	1648	1578	1559	1548	1585	1836	1966	1894	1724	1558	1341
2158	2114	2017	1985	1998	2178	2379	2338	2308	2237	2153	1949	1691
2591	2533	2427	2375	2396	2606	2713	2679	2675	2624	2582	2368	2095

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
7787	7506	7589	7440	7588	7703	7903	8058	7883	7706	7563	7457	7217
7418	7144	7093	6798	6578	6646	7002	7570	7448	7195	7236	7286	6750
5811	5645	5545	5528	5553	5573	5603	6511	6524	6288	6067	5610	5045
6228	6164	5873	5656	5593	5421	5201	5256	5767	6339	6229	6119	5528
4641	4608	4539	4510	4452	4345	4111	4200	4336	5125	5239	4710	4100
4915	4904	4902	4670	4653	4512	4458	4561	4753	4909	4961	4463	3998
4566	4557	4544	4493	4345	4234	4148	4069	4192	4628	4909	4493	4110
4534	4375	4454	4277	4292	4130	3980	4014	4210	4836	4817	4289	3920
5057	4927	4671	4598	4591	4503	4379	4713	5456	5538	5200	4573	4209
4825	4722	4666	4506	4455	4529	4678	5475	5755	5650	5113	4808	4184
6774	6685	6598	6477	6531	6916	7157	7176	7095	6949	6761	6808	6586
8046	7851	7712	7588	7514	7855	7857	7872	7794	7685	7622	7612	7663

Hourly load values on the 3rd Wednesday in MW

Luxembourg

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	659	703	663	683	694	679	719	780	836	826	813
21 / 2/ 2001	761	728	718	732	711	646	640	703	730	727	722
21 / 3/ 2001	733	731	729	688	701	665	642	703	724	742	766
18 / 4/ 2001	664	657	641	632	636	653	650	686	761	786	795
16 / 5/ 2001	659	627	623	594	581	566	552	630	650	669	681
20 / 6/ 2001	690	576	602	621	678	592	574	605	624	688	630
18 / 7/ 2001	637	613	593	639	643	629	677	728	762	802	810
15 / 8/ 2001	425	400	391	383	396	373	371	392	407	428	446
19 / 9/ 2001	677	636	661	623	639	683	726	771	828	863	824
17 /10 2001	637	660	667	645	653	678	739	791	832	862	804
21 /11/ 2001	737	737	724	669	650	652	635	703	743	757	734
19 /12/ 2001	775	742	716	658	637	574	606	703	721	721	717

Nederland

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	8408	7572	7236	7073	7064	7313	8479	10767	12577	13125	13102
21 / 2/ 2001	7766	6967	6589	6438	6443	6710	7934	10201	11811	12470	12532
21 / 3/ 2001	7647	7114	6895	6778	6853	7307	8696	10946	12289	12686	12804
18 / 4/ 2001	8050	7250	6960	6810	6810	7010	8020	9560	11530	12370	12460
16 / 5/ 2001	8225	7461	7125	6967	6932	6999	7756	9425	11085	11724	11856
20 / 6/ 2001	8428	7943	7712	7621	7536	7669	8679	10550	11681	12024	12102
18 / 7/ 2001	7671	7228	7066	7010	6979	7142	8179	9911	11062	11528	11624
15 / 8/ 2001	8283	7772	7532	7402	7496	7873	8767	10556	12059	12461	12669
19 / 9/ 2001	7825	7308	7057	6918	6980	7391	9034	10920	11998	12398	12489
17 /10 2001	7664	7153	6931	6804	6852	7309	8968	11158	11741	12117	12101
21 /11/ 2001	7869	7281	7044	7002	7066	7601	9214	11680	12304	12591	12600
19 /12/ 2001	8273	7600	7453	7289	7388	8004	9700	12338	13278	13448	13344

Österreich

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	6071	5886	5671	5537	5604	6230	7032	7484	7696	7728	7717
21 / 2/ 2001	5492	5315	5131	5019	5227	5829	6511	6954	7195	7460	7405
21 / 3/ 2001	5048	4859	4665	4631	4861	5556	6175	6504	6772	7056	7164
18 / 4/ 2001	5128	4957	4820	4752	4912	5613	6243	6528	6757	6983	6956
16 / 5/ 2001	4344	4113	3929	3864	4035	4706	5518	5865	6118	6338	6390
20 / 6/ 2001	4376	4147	3972	3862	4043	4643	5566	5906	6189	6404	6494
18 / 7/ 2001	4274	4040	3896	3768	3892	4543	5224	5826	6090	6272	6426
15 / 8/ 2001	4260	3949	3763	3625	3672	4086	4379	4917	5294	5573	5777
19 / 9/ 2001	5089	4858	4695	4653	4917	5490	6389	6926	7058	6979	7133
17 /10 2001	4859	4688	4506	4472	4734	5411	6552	7069	7139	7003	7072
21 /11/ 2001	5767	6183	5462	5462	5673	6222	6981	7433	7478	7367	7467
19 /12/ 2001	5979	5854	5705	5668	5765	6235	6972	7418	7610	7686	7611

Hourly load values on the 3rd Wednesday in MW

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
826	830	834	773	750	769	856	857	879	837	812	800	814
743	714	769	782	776	773	750	718	859	834	787	801	784
773	730	737	718	714	748	735	826	826	773	758	766	745
811	791	801	779	764	748	753	747	734	732	751	745	722
668	683	696	691	662	671	695	717	729	713	751	735	719
653	674	692	670	651	642	637	642	706	697	667	715	710
811	799	795	794	783	793	791	780	761	766	730	745	665
449	450	428	427	403	402	388	393	378	416	436	423	403
824	832	816	794	821	827	811	796	828	818	717	704	645
827	823	826	835	807	819	810	830	825	814	776	761	732
754	745	734	727	721	729	783	799	802	795	718	766	720
743	759	767	777	765	820	811	849	857	818	739	751	786

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
13056	12780	12793	12645	12455	12365	13277	13022	12892	11990	11295	10296	9680
12492	12210	12309	12237	12161	12023	12140	12330	12221	11417	10732	9738	9071
12938	12624	12832	12687	12588	12223	12061	12050	12302	11450	10716	9619	8962
12480	12290	12310	12210	11840	11450	10720	10430	10110	10810	10860	10000	9540
11970	11895	12043	12011	11879	11680	11378	10572	10161	9662	9706	9624	9185
12205	12031	12172	12094	11983	11622	11171	10405	10222	9708	9613	9679	9075
11727	11499	11690	11573	11421	11134	10810	10115	9834	9379	9407	9201	8685
12801	12603	12717	12544	12418	12084	11558	10821	10530	10235	10626	10123	9596
12622	12359	12470	12269	12261	11891	11566	11110	11526	10915	10288	9432	8806
12231	11975	11742	11565	11824	11562	11315	11863	11895	11083	10388	9398	8692
12621	12378	12503	12373	12582	13231	13094	12523	11972	11096	10352	9265	8592
13386	13195	13332	13214	13111	13684	13521	12946	12664	11845	11112	10015	9206

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
7766	7759	7690	7371	7335	7256	7343	7551	7905	7700	7262	6809	6419
7506	7547	7487	7133	7046	6972	6907	6989	7383	7385	6922	6490	6041
7354	7404	7382	7159	7139	7109	7001	6903	7176	7253	6834	6283	5877
7047	7098	7070	6779	6801	6637	6496	6337	6335	6278	6382	6327	5882
6522	6614	6566	6317	6269	6134	6020	5848	5821	5673	5508	5572	5336
6691	6753	6717	6429	6330	6255	6126	5954	5918	5759	5566	5454	5351
6481	6227	6103	5996	5982	5857	5867	5725	5436	5431	5203	4946	4569
5688	5316	5271	5148	5040	5004	5092	5076	4951	5139	4846	4640	4308
7080	6558	6581	6565	6478	6346	6364	6531	6787	6209	5691	5797	5478
7063	6591	6628	6589	6507	6469	6686	7101	6850	6237	5855	5767	5340
7430	6972	7087	7176	7303	7651	7913	7714	7332	6761	6401	6465	6239
7647	7646	7587	7177	7278	7271	7397	7778	7918	7719	7338	6700	6344

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
17 / 1/ 2001	3879	3499	3304	3239	3235	3322	3710	4544	5491	5869	5989
21 / 2/ 2001	3734	3345	3155	3090	3120	3212	3602	4194	5150	5381	5434
21 / 3/ 2001	3627	3263	3106	3084	3044	3126	3369	4055	5046	5382	5532
18 / 4/ 2001	3397	3170	2928	2882	2885	3011	3209	3768	4781	4984	5097
16 / 5/ 2001	3618	3215	3053	2972	2972	3082	3198	3886	4818	5152	5302
20 / 6/ 2001	3916	3585	3463	3392	3380	3432	3551	4265	5214	5559	5729
18 / 7/ 2001	3727	3476	3303	3238	3242	3340	3363	3968	4951	5259	5375
15 / 8/ 2001	3432	3153	3010	2928	2887	2869	2774	2898	3189	3451	3633
19 / 9/ 2001	3766	3500	3342	3288	3298	3384	3719	4177	5105	5373	5494
17 /10 2001	3636	3370	3224	3170	3164	3261	3605	4302	5102	5416	5557
21 /11/ 2001	4059	3663	3467	3399	3376	3483	3904	4555	5524	5820	5921
19 /12/ 2001	4530	4039	3826	3733	3761	3830	4207	4902	5949	6369	6470

Schweiz

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	7742	7562	7413	7117	7076	7515	8434	9085	9164	9219	9167
21 / 2/ 2001	7020	6996	6853	6759	6757	7073	8033	8618	8591	8821	8745
21 / 3/ 2001	6309	6157	6114	6077	6353	6844	7586	8241	8450	8722	8879
18 / 4/ 2001	6299	6222	6298	6288	6334	6815	7359	7924	8009	6168	8327
16 / 5/ 2001	5545	5317	5178	4988	5146	5863	6902	7479	7486	7901	7974
20 / 6/ 2001	5384	5171	4992	4811	4946	5548	6681	7291	7463	7598	7852
18 / 7/ 2001	5221	4938	4810	4575	4725	5384	6348	6937	7195	7323	7620
15 / 8/ 2001	5163	4844	4614	4387	4268	4987	5851	6350	6658	7053	7285
19 / 9/ 2001	5756	5630	5512	5533	5756	6399	7280	7646	7885	8062	8195
17 /10 2001	5564	5252	5123	4992	5270	6065	7185	7622	7776	8016	8204
21 /11/ 2001	7183	6860	6775	6631	6792	7303	8037	8649	8678	8833	8890
19 /12/ 2001	7931	7892	7837	7456	7444	7553	8577	9241	9233	9308	9276

Česka Republika

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	8476	8192	7990	7873	7924	8098	8665	9038	8878	9003	8941
21 / 2/ 2001	7831	7561	7274	7112	7204	7523	7892	8470	8372	8485	8613
21 / 3/ 2001	7583	7233	7039	6832	7026	7164	7577	8135	8058	8092	8282
18 / 4/ 2001	7201	6954	6665	6513	6679	7033	7412	7744	7717	7544	7817
16 / 5/ 2001	5976	5597	5445	5311	5323	5675	6439	6550	6697	6676	6736
20 / 6/ 2001	5939	5597	5457	5273	5224	5602	6405	6702	6789	6712	6768
18 / 7/ 2001	5491	5227	4946	4929	4917	5083	5825	6145	6294	6329	6398
15 / 8/ 2001	5758	5391	5069	5113	5236	5334	6088	6411	6607	6601	6725
19 / 9/ 2001	6549	6228	5904	5839	5989	6553	7209	7369	7453	7196	7327
17 /10 2001	6401	6085	5799	5652	5864	6386	7455	7559	7527	7442	7393
21 /11/ 2001	7838	7518	7177	7067	7195	7515	8172	8679	8610	8533	8884
19 /12/ 2001	8089	7990	7676	7435	7615	7729	8366	8845	8643	8792	9090

Hourly load values on the 3rd Wednesday in MW

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
6079	5493	5786	5946	5916	5985	6252	6377	6235	5952	5687	5121	4421
5439	4826	5057	5208	5100	5055	4963	5620	5714	5493	5232	4703	4086
5598	5024	5232	5442	5394	5397	5298	5560	5624	5376	5112	4583	3945
5155	4580	4806	4972	4897	4826	4564	4332	4399	4894	4727	4319	3690
5371	4783	5062	5280	5158	5122	4844	4706	4689	4882	4862	4477	3936
5808	5294	5555	5757	5711	5638	5312	5094	4959	4895	5176	4848	4278
5468	4938	5210	5382	5309	5199	4944	4805	4695	4657	4883	4529	4021
3726	3696	3568	3494	3389	3351	3319	3408	3597	4114	4115	3860	3495
5600	5082	5355	5556	5521	5426	5149	5010	5433	5384	5047	4603	4076
5660	5062	5322	5493	5430	5310	5074	5209	5519	5226	4907	4487	3895
5945	5270	5571	5745	5698	5798	6357	6532	6433	6157	5910	5331	4514
6472	5863	6059	6188	6115	6229	6902	7020	6910	6654	6429	5923	5129

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
8970	8747	8769	8678	8647	8786	9188	8791	8311	7716	8111	8122	7948
8347	8221	8280	8091	7919	7717	8217	8364	7857	7373	7688	7475	7254
8433	8392	8504	8257	8224	7981	7949	8097	7738	7182	7379	7061	6651
8096	7952	7941	7849	7578	7333	7314	7180	7163	7014	7339	7073	6747
7682	7528	7580	7459	7373	7026	7018	6583	6543	6404	6651	6400	5722
7506	7282	7399	7274	7145	6826	6693	6325	6026	5999	6608	6265	5666
7169	6890	6876	6725	6649	6520	6374	6000	5785	5749	6226	6020	5252
7009	6876	6853	6756	6616	6337	6247	6054	5953	6035	6465	6019	5346
7805	7623	7728	7441	7425	7145	7224	7275	7211	6795	6890	6548	6019
7749	7596	7632	7331	7261	6990	7148	7416	7252	6650	6765	6396	5813
8502	8429	8421	8390	8491	8712	8963	8493	8051	7592	9034	7705	7962
9057	8977	8996	8927	8981	9217	9277	8932	8452	8041	8451	8457	8766

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
9192	9609	9377	9318	9152	8925	8681	8641	8680	8345	8204	7837	7906
8848	9204	9065	8910	8556	8062	8173	8352	8274	7920	7750	7354	7382
8568	8867	8622	8572	8239	7902	7701	8209	8132	7862	7546	7308	7220
7873	7824	7748	8240	8147	7757	7170	7009	7393	7330	7056	6868	6848
6818	6810	6544	6848	6615	6410	5992	5991	6042	6198	6178	6010	5843
6858	6795	6567	6821	6717	6437	5984	6031	6050	5951	6086	5949	5894
6512	6364	6127	6375	6269	6104	5733	5748	5820	5721	5738	5599	5534
6851	6735	6400	6692	6521	6386	5969	5894	6002	6308	6058	5889	5823
7350	7252	7102	7343	7244	6920	6625	6903	7408	6929	6575	6365	6415
7434	7694	7300	7453	7150	6925	6870	7414	7226	6947	6510	6330	6317
8889	9171	8908	9117	8947	8867	8573	8451	8287	8108	7707	7633	7513
9040	9235	9025	9136	8969	8907	8694	8608	8268	8229	7896	7723	7675

Hourly load values on the 3rd Wednesday in MW

Magyarorszag

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	4756	4443	4236	4142	4310	4836	5391	5354	5416	5391	5374
21 / 2/ 2001	4608	4383	4062	3971	4171	4820	5124	5277	5332	5325	5251
21 / 3/ 2001	4329	3996	3819	3862	3972	4455	4997	5097	5181	5233	5261
18 / 4/ 2001	4476	4212	3874	3896	4006	4404	4970	4953	4906	4871	4891
16 / 5/ 2001	3901	3708	3510	3445	3502	3905	4571	4606	4560	4614	4678
20 / 6/ 2001	3903	3611	3460	3456	3478	3874	4477	4647	4688	4863	4889
18 / 7/ 2001	3860	3554	3441	3456	3431	3768	4424	4545	4671	4691	4775
15 / 8/ 2001	3868	3628	3454	3359	3499	3680	4204	4366	4475	4572	4672
19 / 9/ 2001	4024	3782	3668	3599	3728	4382	4968	5024	4946	4952	4930
17 /10 2001	4122	3824	3695	3635	3863	4480	5172	5123	5028	5068	5022
21 /11/ 2001	4694	4314	4154	4079	4287	4818	5295	5352	5360	5379	5387
19 /12/ 2001	4968	4641	4394	4340	4456	5014	5565	5519	5484	5446	5427

Polska

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	17230	17120	17276	17279	17562	18328	19617	20100	20403	20460	20529
21 / 2/ 2001	16857	17058	17036	17093	17154	17852	18188	19298	19620	19766	19890
21 / 3/ 2001	16917	16802	16852	16846	17118	16101	17612	18551	18850	18880	18954
18 / 4/ 2001	15773	15369	15251	15293	15406	15366	16167	17224	17586	17555	17608
16 / 5/ 2001	13792	13478	13414	13368	12844	12967	14432	15462	15705	15625	15836
20 / 6/ 2001	13545	13063	13329	12841	12464	12831	14101	15344	15938	15960	16031
18 / 7/ 2001	13302	13046	13000	12921	12481	12519	13259	14451	14890	15244	15490
15 / 8/ 2001	12285	12269	12162	12195	11937	10864	10918	10995	11470	11932	12035
19 / 9/ 2001	14256	13981	14208	14049	14283	14790	15568	16646	16989	16907	16903
17 /10 2001	14178	14036	14429	14450	14793	15414	16636	17169	17490	17388	17481
21 /11/ 2001	16638	16353	16268	16153	16316	17096	18327	19095	19294	19358	19450
19 /12/ 2001	17005	16975	17001	17063	17238	17856	19363	19864	20242	20222	20286

Slovensko

Date	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00
17 / 1/ 2001	3660	3579	3484	3456	3585	3748	4016	4017	3964	3981	3942
21 / 2/ 2001	3499	3356	3381	3317	3429	3538	3743	3832	3879	3906	3845
21 / 3/ 2001	3268	3155	3080	3117	3185	3332	3535	3606	3634	3603	3557
18 / 4/ 2001	3172	3061	3003	2973	3089	3074	3305	3295	3241	3274	3256
16 / 5/ 2001	2771	2610	2559	2514	2538	2679	2969	2967	3012	2997	2993
20 / 6/ 2001	2775	2630	2588	2545	2554	2739	3024	3124	3223	3190	3150
18 / 7/ 2001	2634	2560	2459	2451	2380	2543	2705	2839	2882	2875	2976
15 / 8/ 2001	2686	2542	2538	2500	2510	2595	2825	2894	2974	3043	3002
19 / 9/ 2001	2855	2769	2771	2707	2815	3036	3340	3351	3297	3254	3210
17 /10 2001	3007	2878	2835	2827	2964	3160	3534	3517	3521	3523	3382
21 /11/ 2001	3537	3437	3377	3323	3421	3663	3890	3927	3884	3897	3800
19 /12/ 2001	3813	3736	3684	3668	3702	3856	4129	4044	4038	4108	4108

Hourly load values on the 3rd Wednesday in MW

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
5300	5369	5399	5432	5370	5566	5546	5573	5454	5344	5239	5158	5067
5257	5218	5390	5517	5524	5283	5472	5613	5391	5319	5271	5206	4950
5176	5185	5264	5334	5414	5121	5187	5547	5401	5231	5100	5153	4787
4801	4770	4642	5082	5020	4944	4531	4536	5004	5029	4787	4803	4822
4585	4563	4472	4096	4721	4673	4295	4284	4391	4769	4512	4544	4392
4816	4720	4553	4826	4928	4659	4456	4361	4361	4538	4469	4487	4291
4687	4694	4528	4898	4867	4729	4342	4287	4330	4656	4538	4604	4336
4645	4624	4446	4714	4759	4591	4411	4259	4456	4662	4495	4486	4215
4869	4773	4746	4908	4971	4871	4600	4897	5282	4907	4654	4736	4426
4910	4892	4674	5016	5080	5043	5105	5461	5293	4932	4699	4747	4585
5297	5307	5465	5562	5705	5709	5694	5709	5603	5534	5392	5381	5114
5359	5487	5537	5611	5687	5764	5796	5676	5590	5526	5494	5513	5147

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
20483	20528	20159	19961	20191	21866	21582	21595	21119	20474	19251	18435	18300
19978	19868	19401	19059	18423	18700	20193	20543	19956	19551	18692	17866	17530
18944	19029	18921	18609	17925	17858	18639	20349	19964	19355	18274	17629	17057
17610	17626	17354	17128	16915	16840	16536	16779	18000	18384	16927	16412	16126
15829	15931	15644	15745	15410	15390	14813	14764	14791	16364	15923	15246	14417
16161	16053	15600	15716	15444	15089	14728	14613	14703	14863	15508	14940	14253
15542	15505	15091	15109	14819	14660	14237	14242	14178	14893	15135	14494	13956
11944	11891	11625	11616	11347	11246	11247	11415	11898	13623	13172	12341	11806
16842	16776	16334	16210	16078	15879	15610	17124	18688	17831	16056	15180	14434
17378	17476	16932	17219	16835	16742	17739	19080	18653	17830	16679	15638	15042
19670	19870	19504	19742	20578	21102	20517	20546	20158	19388	18405	17559	16658
20413	20592	20429	20571	21419	21996	21400	21421	21113	20371	19263	18270	17220

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
3980	4077	3981	4018	3934	4083	4064	4066	4021	3885	3728	3783	3720
3875	3974	3907	3872	3786	3836	3945	3954	3930	3739	3712	3670	3636
3606	3651	3563	3625	3573	3617	3731	3804	3837	3728	3470	3519	3453
3276	3290	3187	3201	3160	3132	3176	3239	3464	3419	3107	3214	3173
3028	3050	2936	2956	2918	2960	2886	2909	2934	3085	2910	2860	2879
3178	3205	3081	3125	3075	3078	3041	3043	3049	3033	2923	2880	2841
3046	3024	2960	3005	2929	2889	2848	2856	2844	2909	2900	2798	2789
3058	3129	3013	3039	3004	3053	2873	2918	2957	3152	2946	2882	2775
3217	3209	3105	3179	3092	3128	3057	3323	3512	3295	3098	2973	2930
3385	3394	3255	3288	3267	3287	3387	3662	3639	3403	3152	3169	3102
3867	3859	3801	3934	4001	4059	4084	4038	3981	3883	3784	3762	3578
4093	4105	4151	4111	4164	4182	4245	4215	4264	4029	3948	3952	3858

3 Tables and graphs

Tables and graphs

III

Country	Thermal conventional TWh	Thermal conventional %	Thermal nuclear TWh	Thermal nuclear %	Hydro power TWh	Hydro power %	Total TWh	Total % [1]
B	30,4	40,0	44,0	57,9	1,6	2,1	76,0 [2]	100,0
D	316,9	63,2	161,1	32,1	23,4	4,7	501,4 [2]	93,0
E	101,8	49,4	60,9	29,6	43,3	21,0	206,0 [2]	94,0
F	35,6	7,0	401,3	78,4	74,9	14,6	511,8	97,0
GR	41,8	94,1	0,0	-	2,6	5,9	44,4 [2]	91,0
I	212,2	79,7	0,0	-	54,2	20,3	266,4	100,0
SLO	4,2	33,9	5,0	40,3	3,2	25,8	12,4	94,8
HR	4,7	42,0	0,0	-	6,5	58,0	11,2	100,0
JIEL	28,5	68,5	0,0	-	13,1	31,5	41,6	96,0
L	0,5	38,5	0,0	-	0,8	61,5	1,3	98,0
NL	86,6	95,9	3,7	4,1	0,0	0,0	90,3 [2]	100,0
A	14,1	25,9	0,0	-	40,4	74,1	54,5	87,7
P	25,9	64,4	0,0	-	14,3	35,6	40,2 [2]	91,0
CH	2,6	3,7	25,2	36,0	42,2	60,3	70,0 [2]	100,0
UCTE	**905,8**	**47,0**	**701,2**	**36,4**	**320,5**	**16,6**	**1927,5**	
CZ	52,5	76,5	13,7	20,0	2,4	3,5	68,6 [2]	100,0
H	20,1	60,2	13,2	39,5	0,1	0,3	33,4 [2]	100,0
PL [3]	140,5	97,2	0,0	-	4,0	2,8	144,5 [2]	100,0
SK	9,1	30,7	15,7	53,0	4,8	16,2	29,6 [2]	100,0
CENTREL	**222,2**	**80,5**	**42,6**	**15,4**	**11,3**	**4,1**	**276,1**	
UCTE + CENTREL	**1128,0**	**51,2**	**743,8**	**33,8**	**331,8**	**15,1**	**2203,6**	

[1] Percentage as referred to total values
[2] Including deliveries from industry
[3] Gross values

Year	Thermal conventional TWh	Thermal nuclear TWh	Hydro power TWh	Total TWh
1975	585,4	50,0	222,9	858,3
1976	669,1	69,5	191,2	929,8
1977	610,4	82,2	276,2	968,8
1978	659,9	97,4	266,1	1023,4
1979	691,3	110,6	275,4	1077,3
1980	712,1	133,9	263,4	1109,4
1981	678,4	191,0	256,4	1125,8
1982	665,5	211,2	258,0	1134,7
1983	653,3	258,8	255,9	1168,0
1984	617,3	348,5	257,0	1222,8
1985	597,3	426,3	255,2	1278,8
1986	593,6	464,4	253,3	1311,3
1987	607,7	483,0	264,9	1355,6
1988	597,0	514,6	282,9	1394,5
1989	668,2	551,6	216,2	1436,0
1990	690,6	558,5	222,8	1472,0
1991	701,7	579,6	246,2	1527,5
1992	689,5	591,2	240,2	1520,9
1993	656,8	613,2	244,3	1514,3
1994	729,2	601,7	272,5	1603,3
1995 [1]	767,2	623,2	257,1	1647,5
1996	767,3	652,9	270,5	1690,6
1997	784,2	660,4	264,0	1708,7
1998 [2]	1057,7	689,5	284,4	2031,5
1999	1053,0	705,5	302,0	2060,5
2000	1092,8	733,5	304,4	2130,7
2001	1128,6	744,4	332,5	2205,5

[1] As of September 1995 total German values

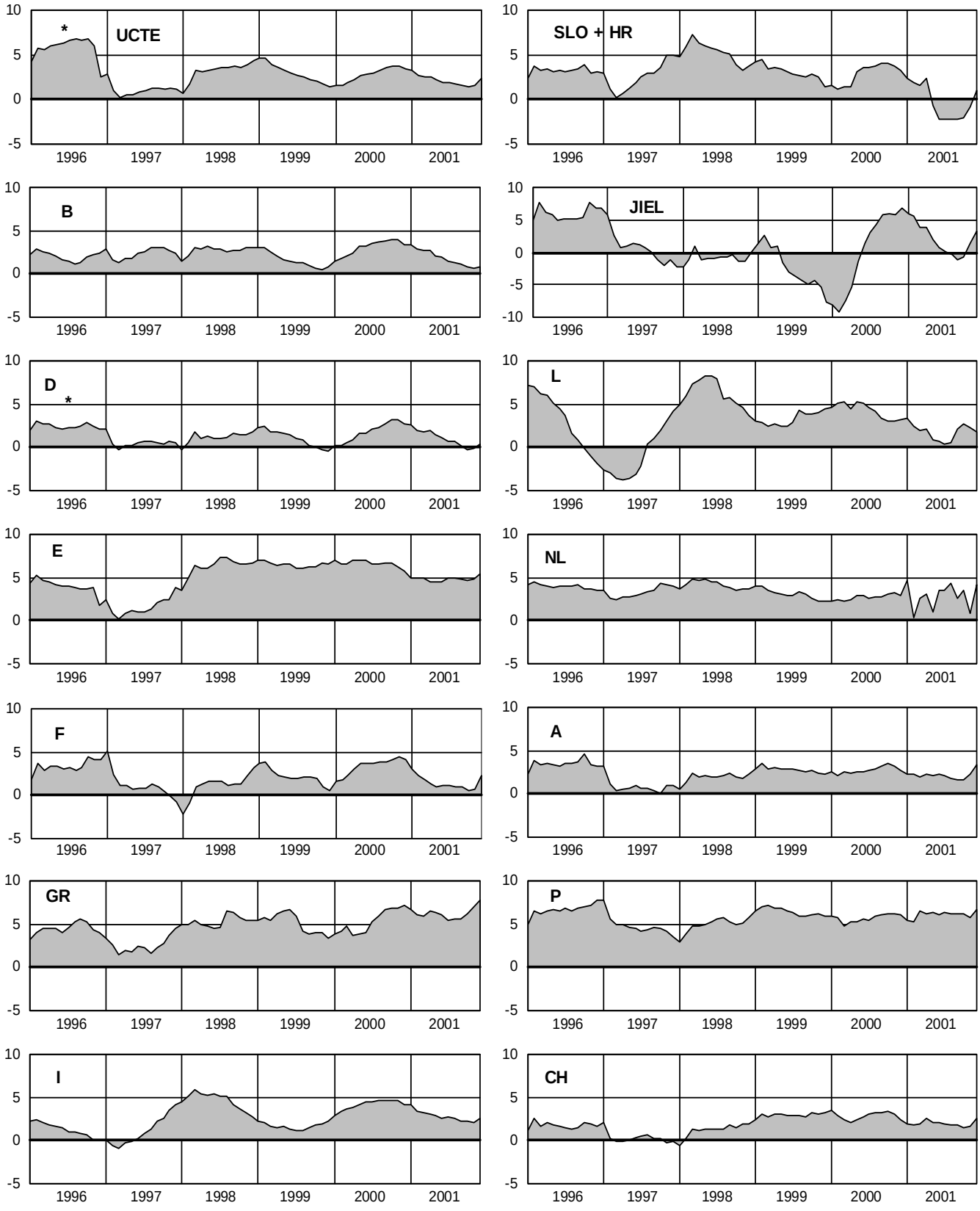
[2] As of 1998 values of CENTREL included

Country	B	D	E	F	GR	I	SLO	HR	JIEL	L	NL	A	P	CH	UCTE	CZ	H	PL	SK	CENTREL	UCTE + CENTREL
National electricity consumption																					
TWh	83,5	495,3	205,4	437,0	46,0	305,4	10,7	14,4	44,9	5,9	107,6	52,8	40,0	57,9	1906,8	58,6	36,7	135,2	25,8	256,3	2163,1
Δ % [1]	0,8	0,3	5,5	2,2	7,9	2,6	-3,4	4,3	3,1	1,7	7,1	3,2	6,6	2,7	2,6	3,0	-3,4	-0,4	0,8	0,9	2,4
Percentage as refered to total values																					
%	100	93	94	97	91	100	95	100	96	99	100	87	91	100	-	100	100	100	100	-	-
Peak load on the 3rd Wednesday in 2001																					
GW	13,0	75,0	38,2	75,0	8,3	51,3	1,8	2,7	8,3	0,9	13,8	7,9	7,0	9,4	-	9,6	5,8	22,0	4,3	-	-
Month	I	XII	XI	XII	VII	XII	XII	XII	XII	I	XII	XII	XII	XII	-	I	XII	XII	XII	-	-

Maximum load within UCTE on a 3rd Wednesday:	303,0 GW XII, 7:00 p.m.
Maximum load within CENTREL on a 3rd Wednesday:	40,8 GW XII, 5:00 p.m.
Maximum load within UCTE and CENTREL on a 3rd Wednesday:	342,9 GW XII, 7:00 p.m.

[1] As compared to the last year

G1 | **Variation of the last 12 months' consumption in %**



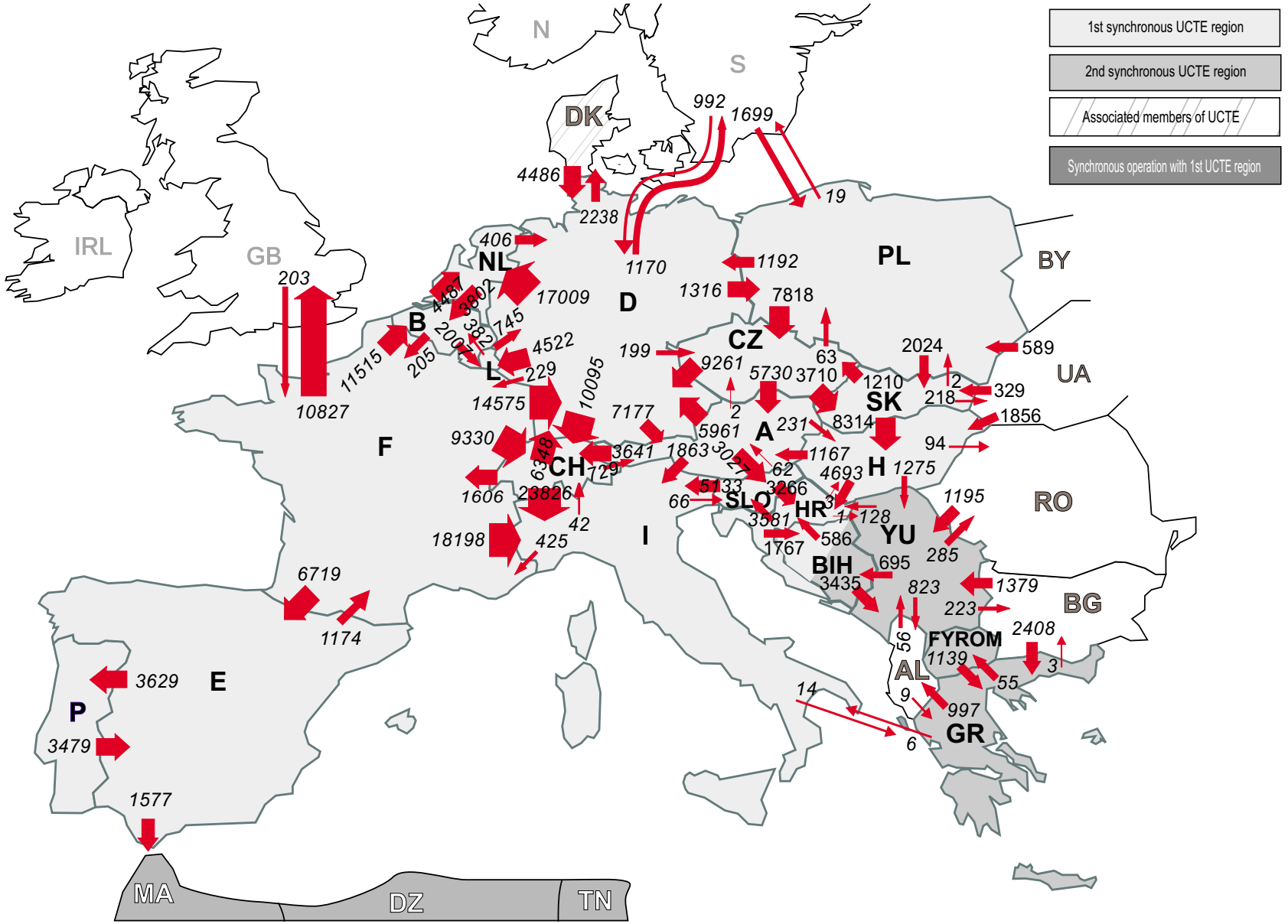
* Increase due to the parallel operation of the new German Laender

T4 Development of power produced in parallel operation[2]

Month	GW	Month	GW	Month	GW	Month	GW	Month	GW	Month	GW
01/1978	168,8	01/1982	187,3	**01/1986**	206,1	01/1990	233,5	**01/1994**	**254,4**	**01/1998**	**313,9**
02/1978	169,1	02/1982	190,4	02/1986	**215,1**	02/1990	214,3	02/1994	243,5	02/1998	294,4
03/1978	159,6	03/1982	181,7	03/1986	192,7	03/1990	209,7	03/1994	223,9	03/1998	294,1
04/1978	153,9	04/1982	170,9	04/1986	192,8	04/1990	219,6	04/1994	227,3	04/1998	292,0
05/1978	148,2	05/1982	162,4	05/1986	182,6	05/1990	204,4	05/1994	215,2	05/1998	265,4
06/1978	146,0	06/1982	164,6	06/1986	182,3	06/1990	207,5	06/1994	213,6	06/1998	271,0
07/1978	138,4	07/1982	151,6	07/1986	176,7	07/1990	204,8	07/1994	212,8	07/1998	267,8
08/1978	***123,9***	***08/1982***	***138,5***	***08/1986***	***161,7***	***08/1990***	***164,0***	***08/1994***	***193,8***	***08/1998***	***252,0***
09/1978	150,0	09/1982	164,3	09/1986	190,8	09/1990	209,8	09/1994	221,1	09/1998	280,0
10/1978	153,2	10/1982	168,5	10/1986	185,3	10/1990	210,8	10/1994	223,8	10/1998	289,3
11/1978	163,2	11/1982	178,8	11/1986	199,2	11/1990	226,6	11/1994	227,9	11/1998	308,9
12/1978	**178,0**	**12/1982**	**190,8**	12/1986	207,6	**12/1990**	**249,4**	12/1994	243,9	12/1998	311,5
01/1979	**182,2**	01/1983	187,7	**01/1987**	**231,7**	01/1991	244,3	01/1995	254,6	01/1999	306,6
02/1979	176,4	**02/1983**	**197,6**	02/1987	215,6	02/1991	242,5	02/1995	235,4	02/1999	312,5
03/1979	167,0	03/1983	180,8	03/1987	208,1	03/1991	214,9	03/1995	237,6	03/1999	290,3
04/1979	162,2	04/1983	172,1	04/1987	195,9	04/1991	216,6	04/1995	227,1	04/1999	284,6
05/1979	151,8	05/1983	167,4	05/1987	193,1	05/1991	214,0	05/1995	223,6	05/1999	271,5
06/1979	154,1	06/1983	165,2	06/1987	189,8	06/1991	211,5	06/1995	220,3	06/1999	278,4
07/1979	145,6	07/1983	158,3	07/1987	188,2	07/1991	208,4	07/1995	220,2	07/1999	275,8
08/1979	***134,7***	***08/1983***	***141,0***	***08/1987***	***167,0***	***08/1991***	***189,7***	***08/1995***	***189,6***	***08/1999***	***253,4***
09/1979	154,9	09/1983	168,3	09/1987	193,4	09/1991	208,9	09/1995	232,7	09/1999	276,3
10/1979	162,0	10/1983	170,5	10/1987	196,5	10/1991	214,5	10/1995	265,4	10/1999	294,2
11/1979	170,6	11/1983	184,3	11/1987	204,7	11/1991	237,5	11/1995	285,4	11/1999	306,5
12/1979	179,2	12/1983	188,7	12/1987	216,1	**12/1991**	**245,3**	**12/1995**	**300,4**	**12/1999**	**317,5**
01/1980	**190,5**	01/1984	192,0	01/1988	211,4	**01/1992**	**245,9**	**01/1996**	**308,7**	01/2000	319,1
02/1980	174,3	**02/1984**	**197,1**	02/1988	209,3	02/1992	242,8	02/1996	305,1	02/2000	310,9
03/1980	172,1	03/1984	182,5	03/1988	208,0	03/1992	219,6	03/1996	287,0	03/2000	295,2
04/1980	162,8	04/1984	174,4	04/1988	194,3	04/1992	223,0	04/1996	269,7	04/2000	290,9
05/1980	159,6	05/1984	174,4	05/1988	192,6	05/1992	208,4	05/1996	267,2	05/2000	283,8
06/1980	156,7	06/1984	169,3	06/1988	193,3	06/1992	201,7	06/1996	265,5	06/2000	294,0
07/1980	153,6	07/1984	164,0	07/1988	188,4	07/1992	205,5	07/1996	261,2	07/2000	283,1
08/1980	***139,0***	***08/1984***	***152,5***	***08/1988***	***171,3***	***08/1992***	***187,4***	***08/1996***	***244,3***	***08/2000***	***257,0***
09/1980	160,8	09/1984	175,7	09/1988	197,9	09/1992	209,3	09/1996	270,3	09/2000	288,3
10/1980	167,2	10/1984	175,2	10/1988	197,5	10/1992	226,1	10/1996	278,9	10/2000	296,6
11/1980	173,7	11/1984	187,8	11/1988	215,8	11/1992	229,5	11/1996	300,0	11/2000	314,1
12/1980	183,7	12/1984	196,6	**12/1988**	**227,7**	12/1992	235,7	12/1996	307,3	**12/2000**	**322,2**
01/1981	182,9	**01/1985**	**224,6**	**01/1989**	**232,9**	01/1993	233,0	01/1997	309,2	01/2001	332,6
02/1981	184,0	02/1985	207,5	02/1989	228,7	02/1993	242,9	02/1997	294,7	02/2001	317,2
03/1981	175,8	03/1985	196,6	03/1989	218,4	03/1993	223,6	03/1997	282,2	03/2001	310,8
04/1981	159,0	04/1985	182,1	04/1989	215,7	04/1993	210,4	04/1997	282,8	04/2001	308,5
05/1981	159,2	05/1985	175,4	05/1989	203,3	05/1993	205,3	05/1997	268,7	05/2001	290,0
06/1981	161,0	06/1985	177,2	06/1989	205,8	06/1993	199,8	06/1997	269,4	06/2001	296,3
07/1981	155,2	07/1985	172,3	07/1989	197,0	07/1993	203,0	07/1997	265,7	07/2001	291,5
08/1981	***138,3***	***08/1985***	***157,9***	***08/1989***	***179,2***	***08/1993***	***190,7***	***08/1997***	***246,2***	***08/2001***	***242,8***
09/1981	164,8	09/1985	180,2	09/1989	203,3	09/1993	213,2	09/1997	268,9	09/2001	296,6
10/1981	170,6	10/1985	184,2	10/1989	207,4	10/1993	224,1	10/1997	286,1	10/2001	300,3
11/1981	181,1	11/1985	209,8	11/1989	225,3	11/1993	228,4	11/1997	296,8	11/2001	329,5
12/1981	**191,3**	12/1985	205,2	12/1989	223,3	**12/1993**	**245,6**	**12/1997**	**319,4**	**12/2001**	**343,4**

[1] With CENTREL-countries from 10/1995 on and Denmark from 01/1990
[2] On the Third Wednesday at 11 a.m.
[3] as of September 1995 total German values

G2 **Physical energy flows 2001 in GWh**



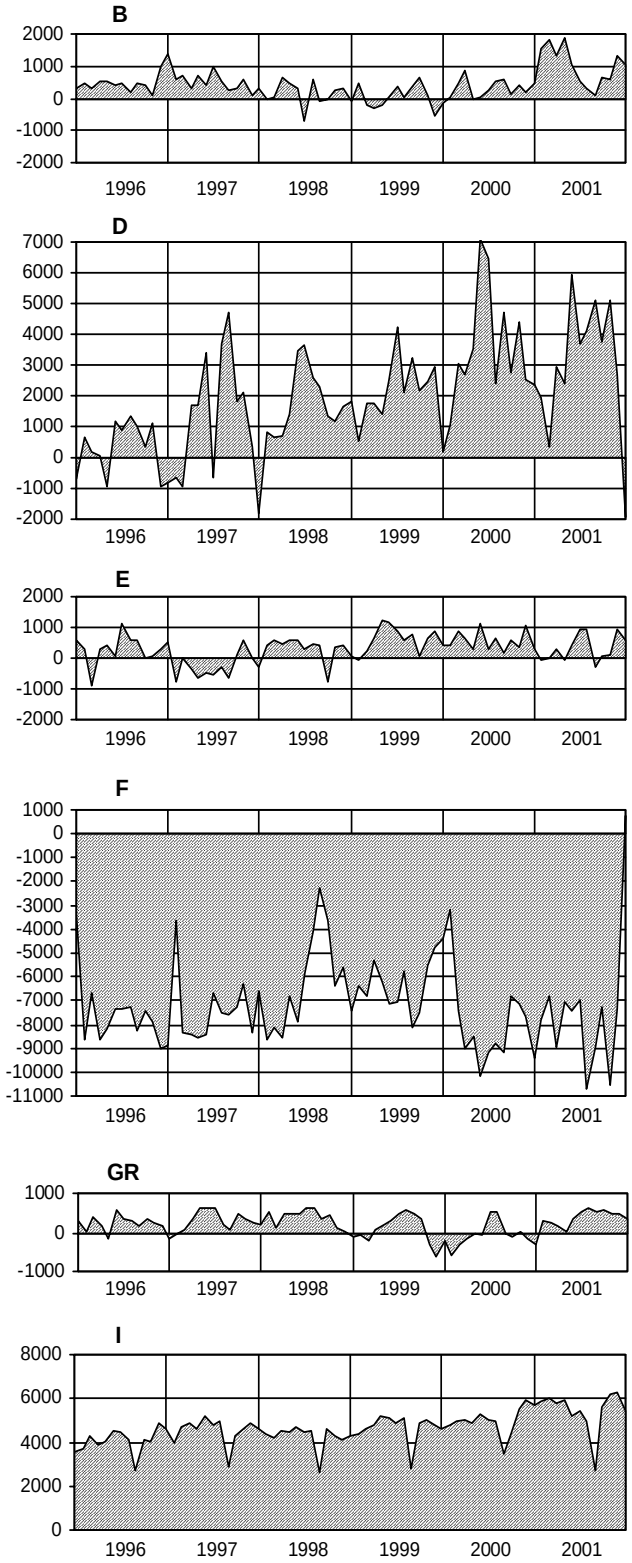
T5 Development of physical exchanges on tie lines

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	115,7	8,0			24,0	1,7	139,7	9,7
1991	116,0	7,8			28,6	1,9	144,6	9,7
1992	117,6	7,8			27,8	1,9	145,4	9,7
1993	124,6	8,3			26,1	1,7	150,6	10,0
1994	129,6	8,1			26,1	1,6	155,7	9,8
1995 [2]	137,3	8,4	11,9	0,7	23,1	1,5	172,3	10,6
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	146,5	8,4	14,0	0,8	25,4	1,5	185,9	10,7
1999	159,6	9,0	16,5	0,9	29,7	1,7	205,8	11,5
2000	173,8	9,5	22,1	1,2	29,6	1,6	225,5	13,8
2001	187,0	9,8	48,2	2,5	33,7	1,8	268,8	14,1

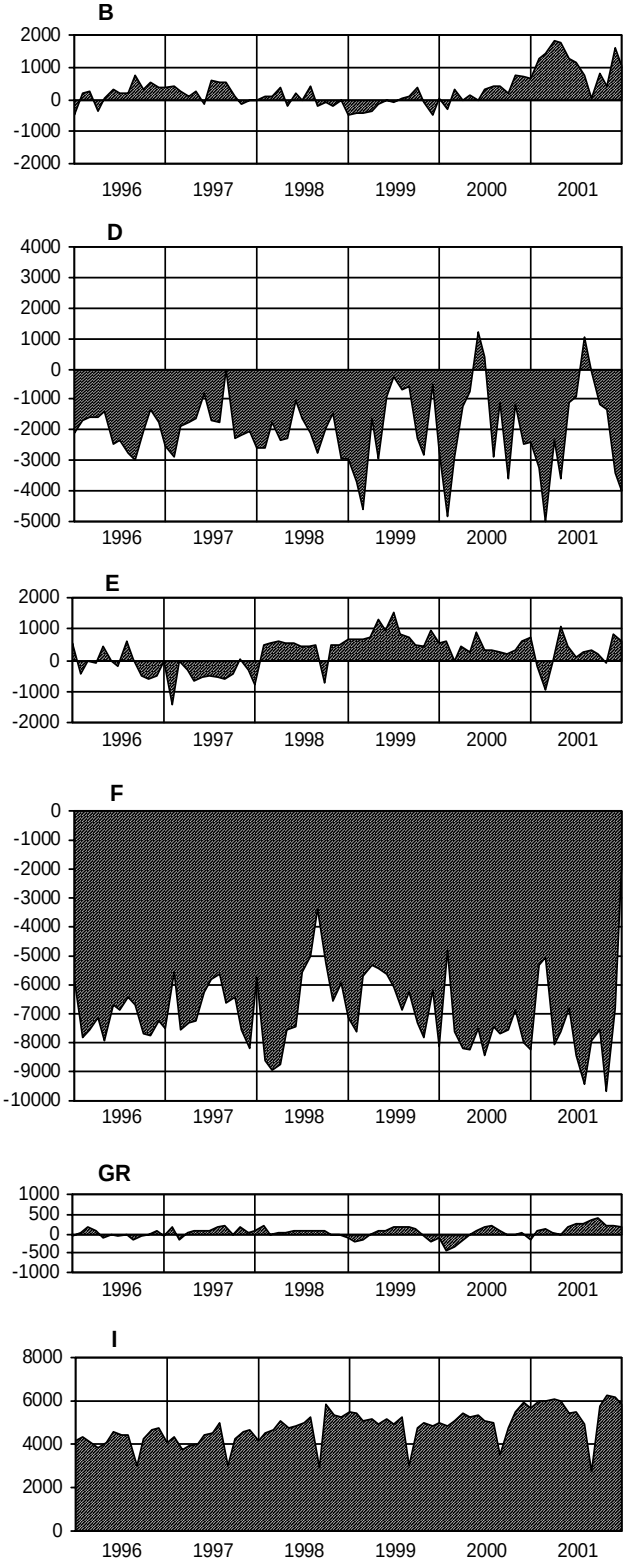
[1] Import + export
[2] As of September 1995 total German values.

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

11:00 Day load in MW [1]



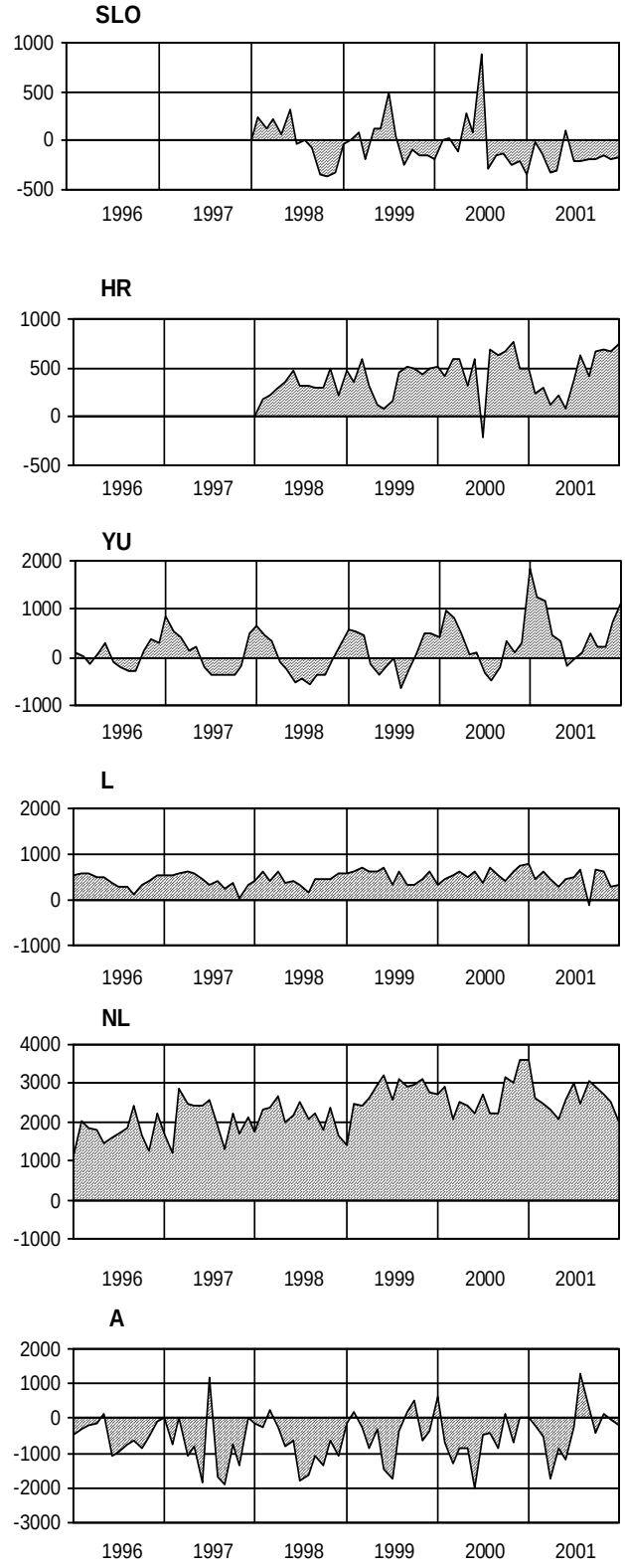
03:00 Night load in MW [1]



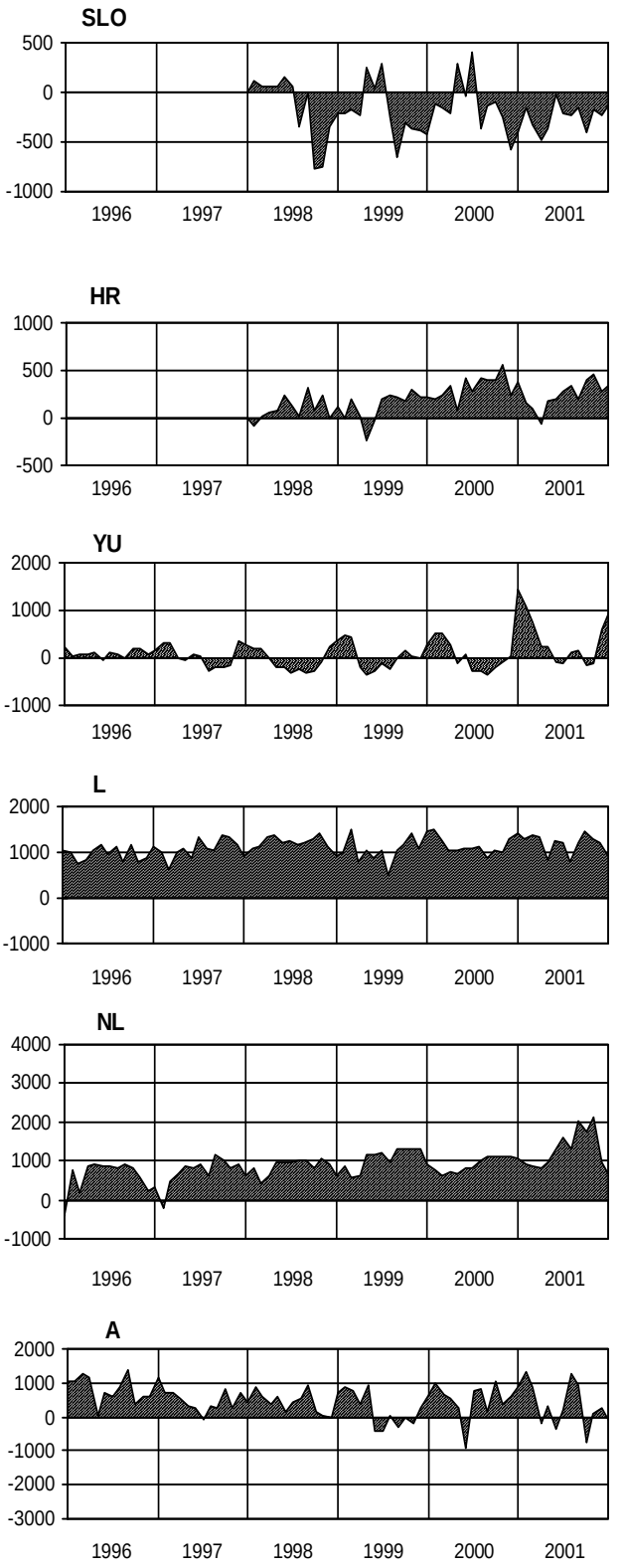
[1] On the third Wednesday of each month

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

11:00 Day load in MW [1]



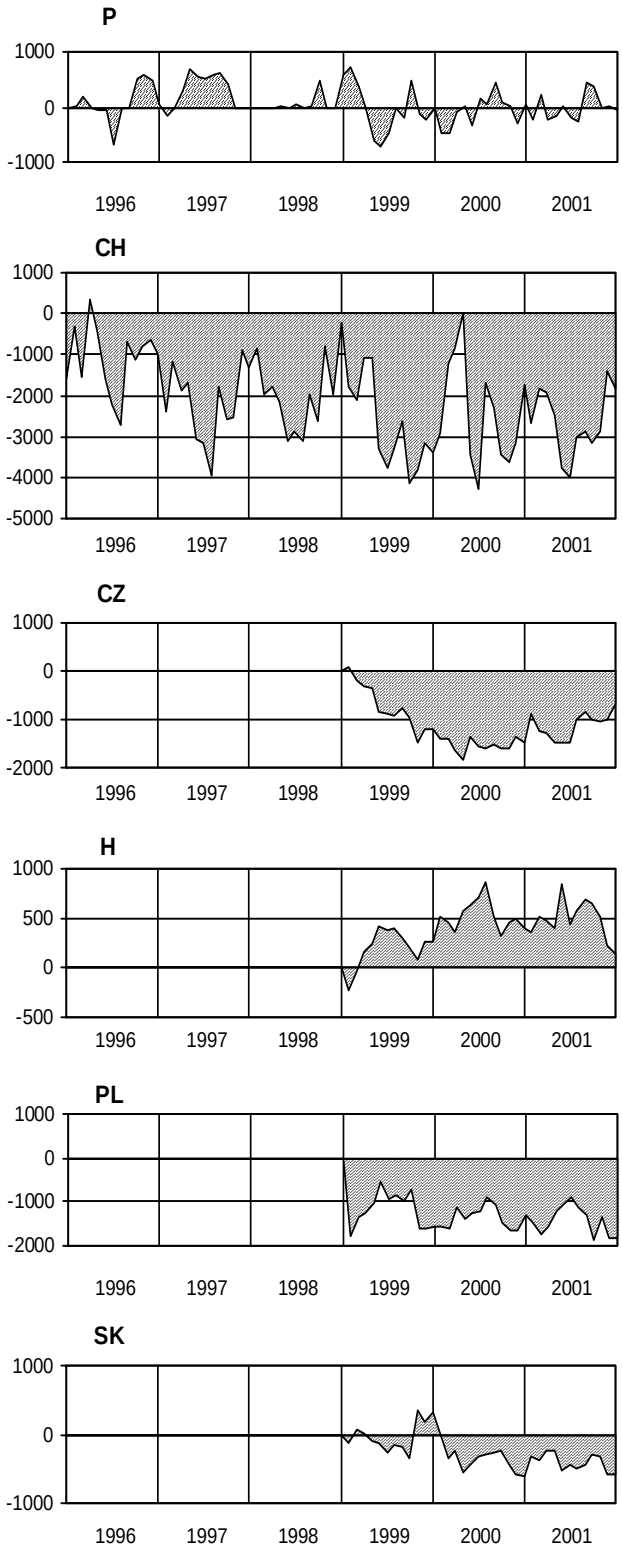
03:00 Night load in MW [1]



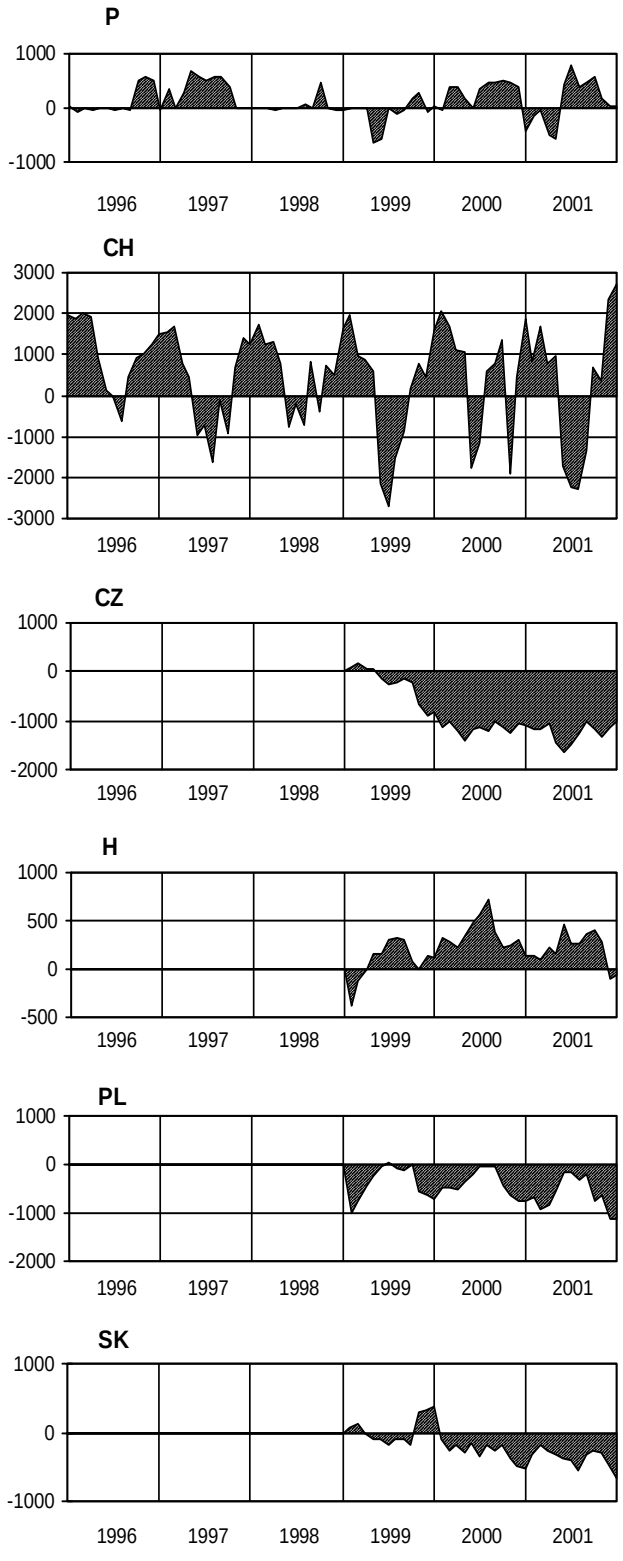
[1] On the third Wednesday of each month

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 third 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
I.1996	14997	12048
II.1996	12978	13552
III.1996	13678	12946
IV.1996	11865	12146
V.1996	12565	12779
VI.1996	13348	13029
VII.1996	12643	12034
VIII.1996	11212	12139
IX.1996	14520	12433
X.1996	13539	12023
XI.1996	13744	13814
XII.1996	13478	13233
I.1997	13797	11065
II.1997	12854	13635
III.1997	12655	15537
IV.1997	13215	15110
V.1997	11129	15889
VI.1997	12786	15332
VII.1997	12302	16055
VIII.1997	11094	13229
IX.1997	12382	12932
X.1997	14199	11386
XI.1997	15071	13608
XII.1997	14594	11437
I.1998	15678	13803
II.1998	15319	13540
III.1998	16655	15054
IV.1998	16131	12820
V.1998	14146	15849
VI.1998	14544	15238
VII.1998	14199	13871
VIII.1998	12377	12180
IX.1998	15213	14276
X.1998	15126	13125
XI.1998	15303	12464
XII.1998	16790	13600

Date	Night	Day
I.1999	20582	16398
II.1999	20255	16510
III.1999	16680	16485
IV.1999	19520	18868
V.1999	13795	17997
VI.1999	13704	18717
VII.1999	15006	19505
VIII.1999	11714	17841
IX.1999	16203	19728
X.1999	18329	19586
XI.1999	17532	18029
XII.1999	19555	15631
I.2000	22086	17370
II.2000	22055	20648
III.2000	21264	20504
IV.2000	20641	21962
V.2000	16223	23281
VI.2000	18526	23668
VII.2000	20048	20773
VIII.2000	17083	20810
IX.2000	20291	20944
X.2000	17960	22338
XI.2000	21598	23020
XII.2000	24070	23220
I.2001	24168	21135
II.2001	25212	22380
III.2001	22520	21935
IV.2001	22437	19457
V.2001	19199	21968
VI.2001 [2]	20499	22662
VII.2001	19132	23280
VIII.2001	17354	19561
IX.2001	23334	22338
X.2001	23774	23787
XI.2001	26223	23656
XII.2001	25294	21127

[1] Day load at 11.00 a.m. and night load at 3.00 a.m. on the third Wednesday of each month. The power flows crossing common borders with neighbouring third countries are excluded.
[2] As of June 2001 with CENTREL values

T7 Maximum output capacity on 31.12.2001

Country	Thermal conventional MW	Δ %	Thermal nuclear MW	Δ %	Hydropower MW	Δ %	Renewable sources MW	Other sources MW	Total MW	Δ %
B	8248	-0,9	5738	0,0	1403	-0,2	199	63	15651	0,0
D	68000	-5,2	20700	-1,4	8500	1,0	3500	-	100700	-2,9
E	23601	9,0	7488	0,1	17803	0,8	2449	1	51342	-1,6
F	23760	2,1	63183	0,0	24095	-0,8	-	-	111038	0,3
GR	6301	0,1			3090	-0,1	155	-	9546	-1,4
I	54440	0,5			20346	-0,7	1117	-	75903	0,0
SLO	1241	0,0	670	0,0	778	0,0	-	-	2689	0,0
HR	1631	14,2			2075	0,0	-	-	3706	5,8
JIEL	6753	0,0			3893	0,0	-	-	10646	0,0
L	460	513,3			1128	0,0	20	-	1608	32,0
NL	17342	1,4	449	0,0	37	5,7	876	700	19404	-6,3
A	5620	8,1			11160	1,6	80	-	16860	2,8
P	5065	4,3			4407	0,5	203	-	9675	0,6
CH	295	1,7	3200	0,0	13285	0,3	288	242	17310	0,5
UCTE	**222757**	0,2	**101428**	-0,3	**112000**	0,2	**8887**	**1006**	**446078**	**-0,9**
CZ	10628	0,6	1637	0,0	2125	2,4	-	-	14390	0,8
H	5608	0,0	1772	0,8	46	0,0	-	398	7824	1,3
PL	31189	-0,1	-	-	2185	2,1	13	-	33387	0,1
SK	2294	0,1	2640	20,0	2427	0,1	-	696	8057	6,3
CENTREL	**49719**	0,1	**6049**	8,1	**6783**	1,4	**13**	**1094**	**63658**	**1,1**
UCTE + CENTREL	**272476**	0,1	**107477**	0,2	**118783**	0,2	**8900**	**2100**	**509736**	**-0,6**

Percentage as referred to total values in %

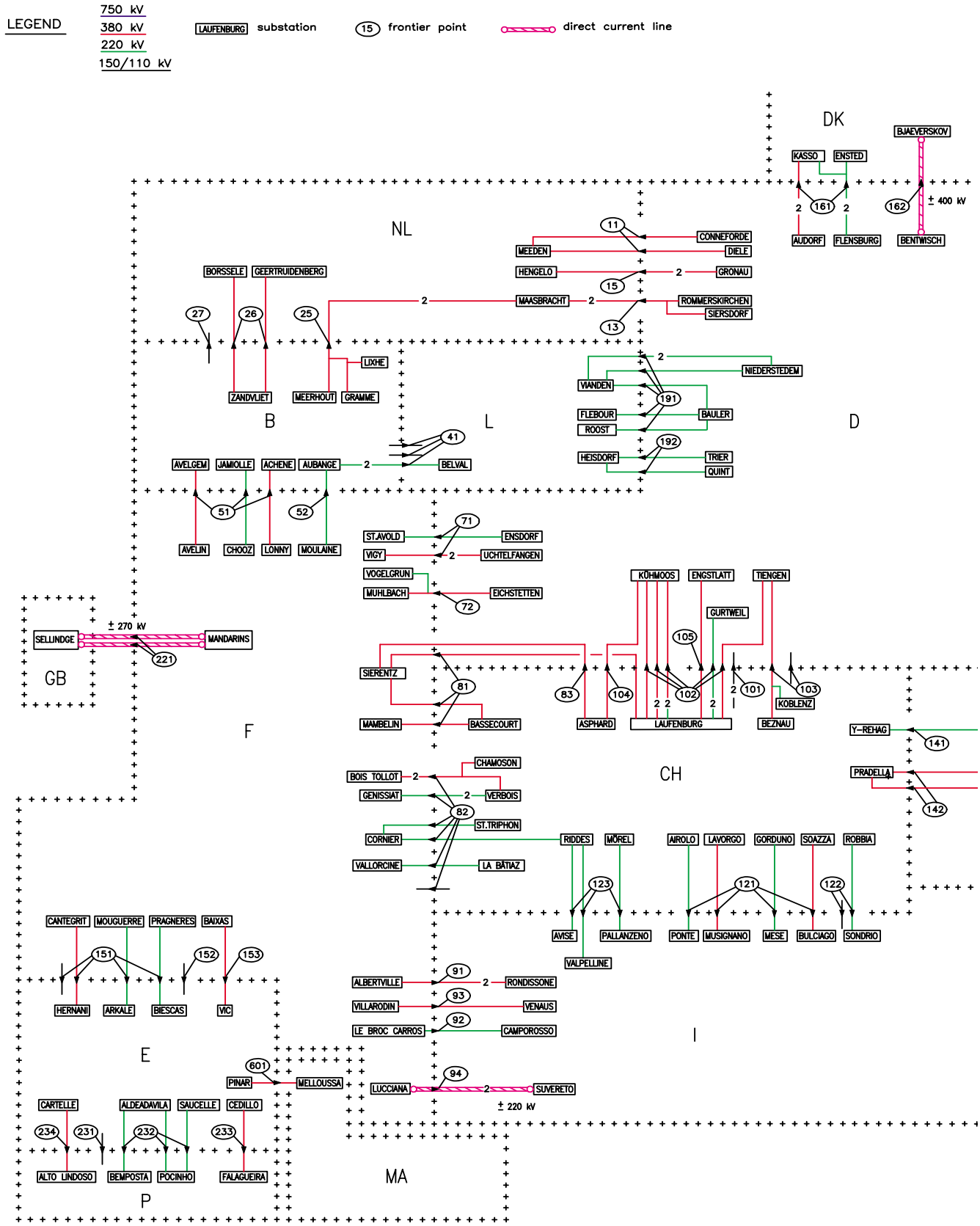
B	D	E	F	GR	I	SLO	HR	JIEL	L	NL	A	P	CH	CZ	H	PL	SK
99	91	100	97	98	100	100	100	96	99	100	91	91	100	100	100	100	100

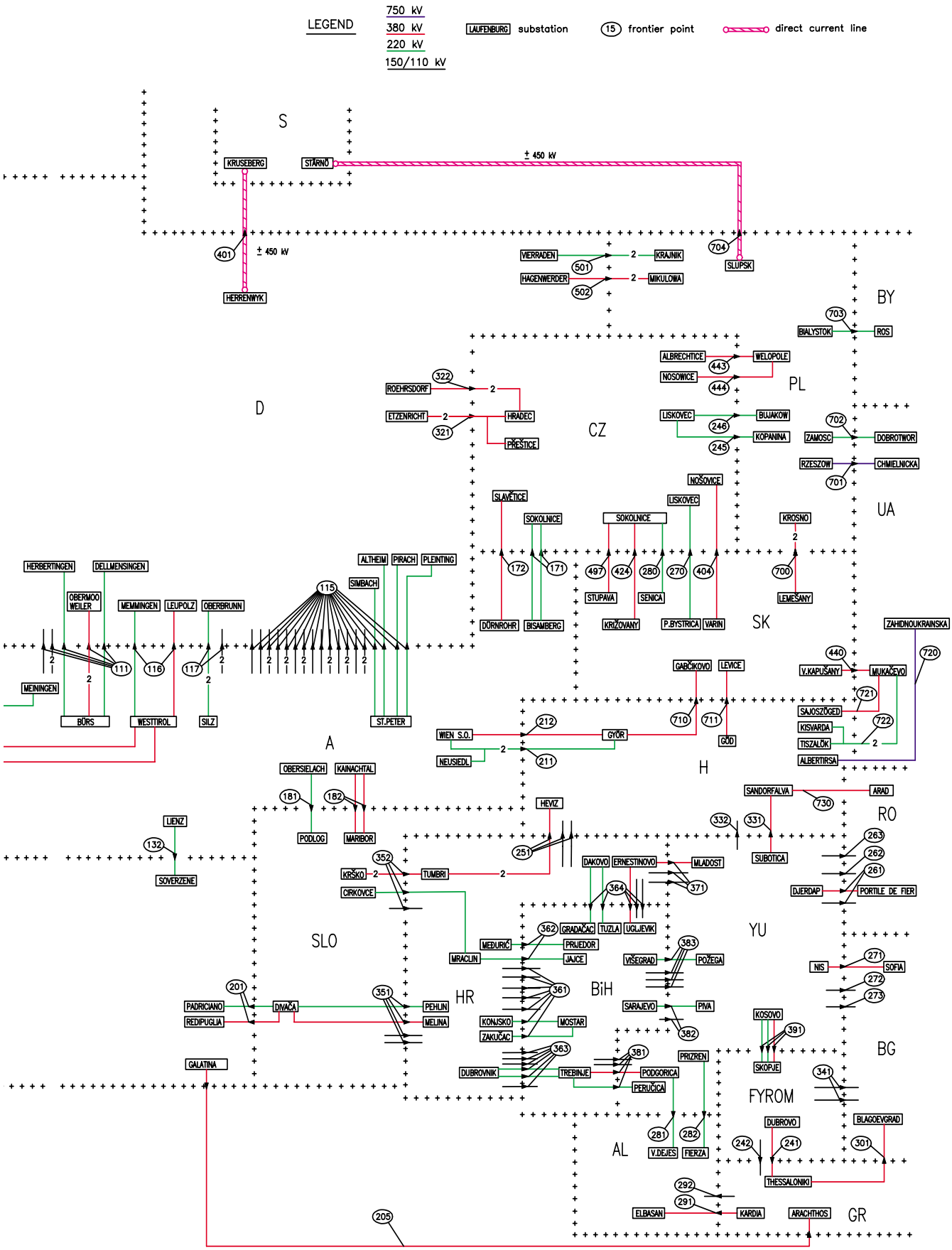
T8a | **UCTE Power Balance Retrospect 2001** | **UCTE and CENTREL countries** | **Values in GW**

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
National generating capacity												
1. Hydro power stations	119.7	119.7	119.8	119.8	119.8	119.8	119.8	119.8	119.9	119.9	119.9	119.9
2. Nuclear power stations	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3
3. Conventional thermal power stations	272.7	272.6	272.6	271.6	275.5	271.7	268.5	268.5	268.5	269.0	269.0	269.4
4. Renewable energy sources	11.0	11.1	11.4	11.5	11.9	12.1	12.5	12.9	13.2	13.8	14.3	14.5
5. Not clearly identifable energy sources	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
6. National generating capacity (6 = 1+2+3+4+5)	**513.0**	**513.0**	**513.3**	**512.5**	**512.8**	**513.2**	**510.4**	**510.8**	**511.2**	**512.3**	**512.8**	**513.3**
7. Non-usable capacity	75.8	76.8	76.0	73.9	75.2	77.1	79.2	90.3	79.8	83.0	76.5	76.4
8. Overhauls (thermal power stations)	12.1	19.3	26.5	40.1	57.8	50.1	41.7	46.7	38.7	30.2	21.2	13.0
9. Outages (thermal power stations)	13.4	16.2	20.4	16.4	17.8	17.2	17.5	24.5	15.2	17.2	14.6	17.7
10. System services reserve	25.4	26.7	26.9	26.4	25.1	25.2	25.3	27.6	26.6	25.8	28.9	26.8
11. Guaranteed capacity (11 = 6-(7+8+9+10))	**386.4**	**374.0**	**363.6**	**355.8**	**336.8**	**343.7**	**346.7**	**321.7**	**350.9**	**356.1**	**371.8**	**379.6**
12. Load	325.5	310.3	300.2	296.3	276.6	282.3	280.6	232.4	290.0	286.9	315.7	336.4
13. Margin against monthly peak load	19.3	36.6	35.0	18.0	38.3	38.3	17.8	96.7	15.9	29.3	40.5	39.3
14. Remaining capacity without exchanges (14 = 11-12)	**60.9**	**63.7**	**63.4**	**59.5**	**60.2**	**61.4**	**66.1**	**89.3**	**60.9**	**69.2**	**56.1**	**43.2**
Physical exchanges												
15. Import	31.1	31.0	28.6	29.1	30.7	31.5	32.5	28.5	31.2	32.6	34.7	34.2
16. Export	29.4	29.6	30.8	29.2	30.4	30.7	32.9	31.1	29.3	29.9	29.0	26.4
17. **Physical exchange balance (17=15-16)**	**1.8**	**1.4**	**- 2.2**	**- 0.1**	**0.2**	**0.8**	**- 0.5**	**- 2.6**	**2.0**	**2.7**	**5.7**	**7.8**
18. Remaining capacity with exchange (18=14+17)	**62.7**	**65.1**	**61.2**	**59.3**	**60.5**	**62.2**	**65.6**	**86.6**	**62.9**	**71.9**	**61.8**	**51.0**

T8b | **UCTE Energy Balance Retrospect 2001** | **UCTE and CENTREL countries** | **Values in TWh**

Generation	B	D	E	F	GR	I	SLO	HR	JIEL	L	NL	A	P	CH	CZ	H	PL	SK	UCTE
1.Hydro power stations	1.6	23.4	44.0	74.9	2.7	54.2	3.5	6.6	13.2	0.9	0.1	40.5	14.1	43.3	2.5	0.2	4.0	4.9	**334.5**
2.Nuclear power stations	44.0	161.1	61.0	401.3	-	-	5.0	-	-	-	3.7	-	-	25.3	13.8	13.3	-	15.7	**744.2**
3.Conventional thermal power stations	30.4	312.9	93.1	34.8	41.4	207.3	4.4	4.7	28.5	0.6	84.5	14.2	25.5	2.6	52.5	18.0	140.5	6.4	**1102.3**
4.Renewable energy sources	-	4.0	8.4	0.8	0.4	5.0	-	-	-	-	1.5	-	0.7	0.3	-	-	-	-	**20.8**
of which, wind	-	-	6.0	-	0.4	-	-	-	-	-	-	-	0.2	-	-	-	-	-	**6.6**
5.Not clearly identifable energy sources	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	2.7	**4.8**
6.Total (6=1+2+3+4+5)	**76.0**	**501.4**	**206.4**	**511.8**	**44.5**	**266.5**	**12.9**	**11.3**	**41.7**	**1.5**	**89.8**	**54.7**	**40.3**	**71.2**	**68.8**	**33.6**	**144.5**	**29.7**	**2206.6**
7. Exchanges(7 = 7a+7b)	**9.0**	**0.1**	**3.5**	**- 68.9**	**2.5**	**48.4**	**- 1.7**	**3.2**	**4.2**	**5.4**	**17.3**	**0.2**	**0.1**	**- 12.0**	**- 9.5**	**3.2**	**- 6.7**	**- 3.6**	**- 5.3**
7a.Import	15.7	44.0	10.2	3.7	3.6	48.9	0.7	3.8	7.2	6.5	21.5	14.4	3.6	50.2	9.2	10.4	4.3	6.1	**263.9**
7b.Export	6.7	43.9	6.7	72.6	1.1	0.5	2.3	0.6	3.0	1.1	4.2	14.2	3.5	62.2	18.7	7.2	11.0	9.7	**269.2**
8. Pumped storage	1.6	6.1	4.1	5.8	0.9	9.4	-	0.0	1.0	1.0	-	2.0	0.5	2.0	0.6	-	2.6	0.3	**- 38.0**
9. Consumption (9 = 6+7-8)	**83.4**	**495.4**	**205.7**	**437.1**	**46.1**	**305.5**	**11.2**	**14.5**	**44.9**	**5.9**	**107.1**	**52.9**	**39.9**	**57.2**	**58.7**	**36.8**	**135.2**	**25.8**	**2163.4**


LEGEND
750 kV
380 kV
220 kV
150/110 kV
LAUFENBURG substation
15 frontier point
direct current line
DK
BJAEVERSKOV
KASSO
ENSTED
AUDORF
FLENSBURG
BENTWISCH
± 400 kV
NL
CONNEFORDE
DIELE
GRONAU
MEEDEN
HENGELO
MAASBRACHT
ROMMERSKIRCHEN
SIERSDORF
BORSSELE
GEERTRUIDENBERG
ZANDVLIET
B
LIXHE
MEERHOUT
GRAMME
L
D
NIEDERSTEDEM
VIANDEN
FLEBOUR
BAULER
ROOST
HEISDORF
TRIER
QUINT
AVELGEM
JAMIOLLE
ACHENE
AUBANGE
BELVAL
AVELIN
CHOOZ
LONNY
MOULAINE
ST.AVOLD
ENSDORF
VIGY
UCHTELFANGEN
VOGELGRUN
MUHLBACH
EICHSTETTEN
GB
SELLINDGE
± 270 kV
MANDARINS
KÖHMOOS
ENGSTLATT
TIENGEN
GURTWEIL
SIERENTZ
MAMBELIN
BASSECOURT
F
ASPHARD
LAUFENBURG
BEZNAU
KOBLENZ
Y-REHAG
PRADELLA
CH
BOIS TOLLOT
GENISSIAT
CHAMOSON
VERBOIS
ST.TRIPHON
CORNIER
VALLORCINE
LA BÂTIAZ
RIDDES
MÖREL
AVISE
PALLANZENO
VALPELLINE
AIROLO
LAVORGO
GORDUNO
SOAZZA
ROBBIA
PONTE
MUSIGNANO
MESE
BULCIAGO
SONDRIO
CANTEGRIT
MOUGUERRE
PRAGNERES
BAIXAS
HERNANI
ARKALE
BIESCAS
VIC
ALBERTVILLE
RONDISSONE
VILLARODIN
VENAUS
LE BROC CARROS
CAMPOROSSO
I
E
PINAR
MELLOUSSA
LUCCIANA
SUVERETO
± 220 kV
CARTELLE
ALDEADAVILA
SAUCELLE
CEDILLO
ALTO LINDOSO
BEMPOSTA
POCINHO
FALAGUEIRA
MA
P


LEGEND
750 kV
380 kV
220 kV
150/110 kV
LAUFENBURG substation
15 frontier point
direct current line
S
KRUSEBERG
STÄRNÖ
± 450 kV
401
HERRENWYK
VIERRADEN
HAGENWERDER
501
502
KRAJNIK
MIKULOWA
704
SLUPSK
BY
BIALYSTOK
703
ROS
ALBRECHTICE
WELOPOLE
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NOSOWICE
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ROEHRSDORF
ETZENRICHT
321
HRADEC
PŘESTICE
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LISKOVEC
BUJAKOW
246
KOPANINA
245
ZAMOSC
702
DOBROTWOR
RZESZOW
CHMIELNICKA
701
UA
NOŠOVICE
LISKOVEC
SLAVĚTICE
SOKOLNICE
SOKOLNICE
KROSNO
700
LEMEŠANY
DÜRNROHR
BISAMBERG
STUPAVA
SENICA
KRIŽOVANY
P.BYSTRICA
VARIN
SK
HERBERTINGEN
DELLMENSINGEN
OBERMOOWEILER
MEMMINGEN
LEUPOLZ
OBERBRUNN
ALTHEIM
PIRACH
PLEINTING
SIMBACH
115
111
116
117
MEININGEN
BÖRS
WESTTIROL
SILZ
ST.PETER
A
GABČIKOVO
LEVICE
710
711
GÖD
WIEN S.O.
NEUSIEDL
212
211
GYÖR
H
ZAHIDNOUKRAINSKA
720
440
V.KAPUŠANY
MUKAČEVO
721
SAJOSZÖGED
KISVARDA
722
TISZALÖK
ALBERTIRSA
OBERSIELACH
KAINACHTAL
181
182
PODLOG
MARIBOR
LIENZ
132
SOVERZENE
HEVIZ
251
SANDORFALVA
730
ARAD
RO
332
331
SUBOTICA
263
262
261
DJERDAP
PORTILE DE FIER
352
KRŠKO
TUMBRI
CIRKOVCE
DAKOVO
ERNESTINOVO
MLADOST
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371
SLO
YU
362
GRADAČAC
TUZLA
UGLJEVIK
MEĐURIĆ
PRIJEDOR
MRAČLIN
JAJCE
383
VIŠEGRAD
POŽEGA
271
NIS
SOFIA
272
273
201
351
PADRICIANO
REDIPUGLIA
DIVAČA
PEHLIN
MELINA
HR
361
BiH
SARAJEVO
PIVA
KONJSKO
MOSTAR
ZAKUČAC
382
KOSOVO
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SKOPJE
BG
GALATINA
363
DUBROVNIK
TREBINJE
381
PODGORICA
PERUČICA
PRIZREN
341
FYROM
281
282
V.DEJES
FIERZA
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THESSALONIKI
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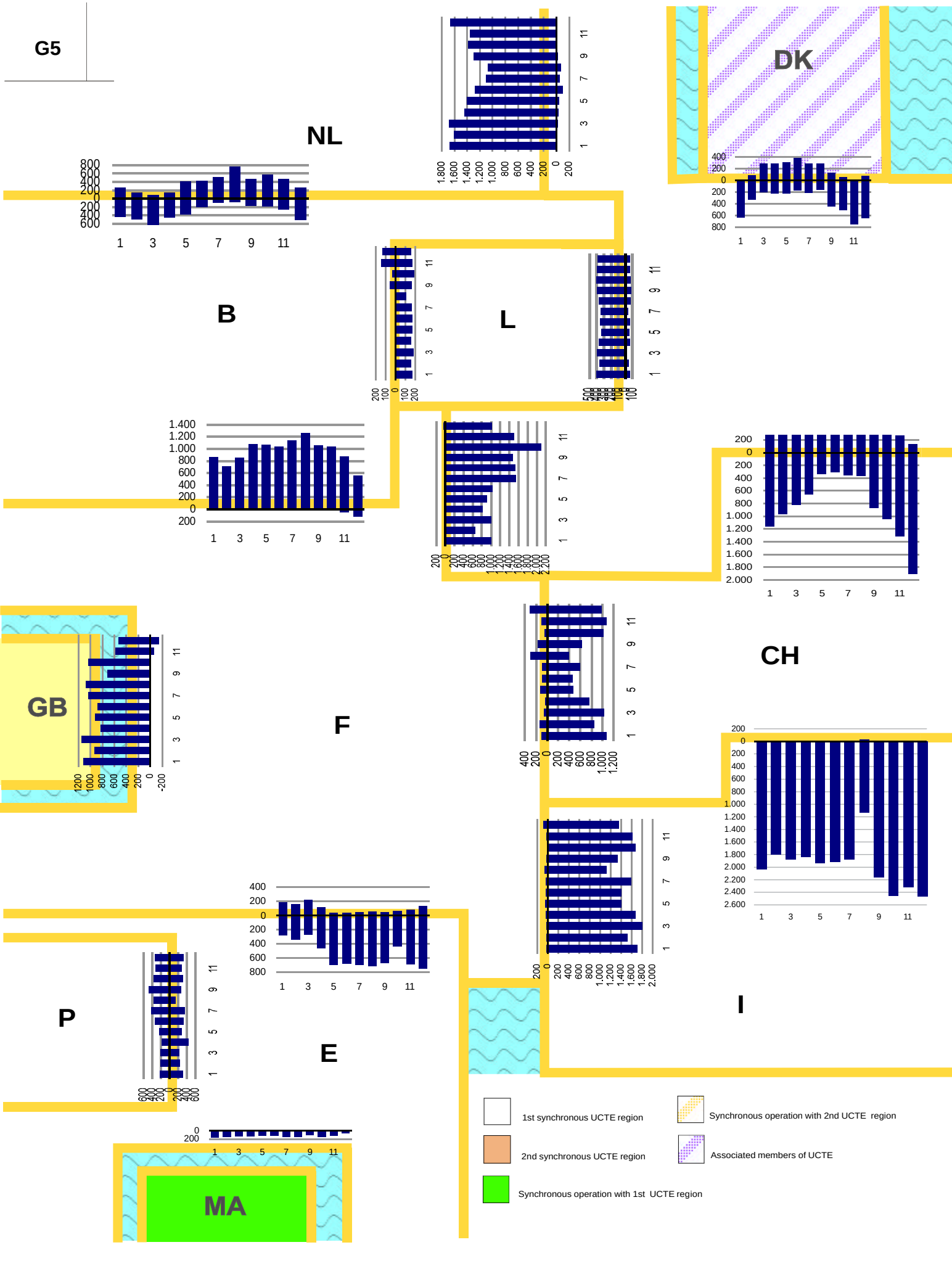
291
ELBASAN
KARDIA
ARACHTHOS
GR
205


NL
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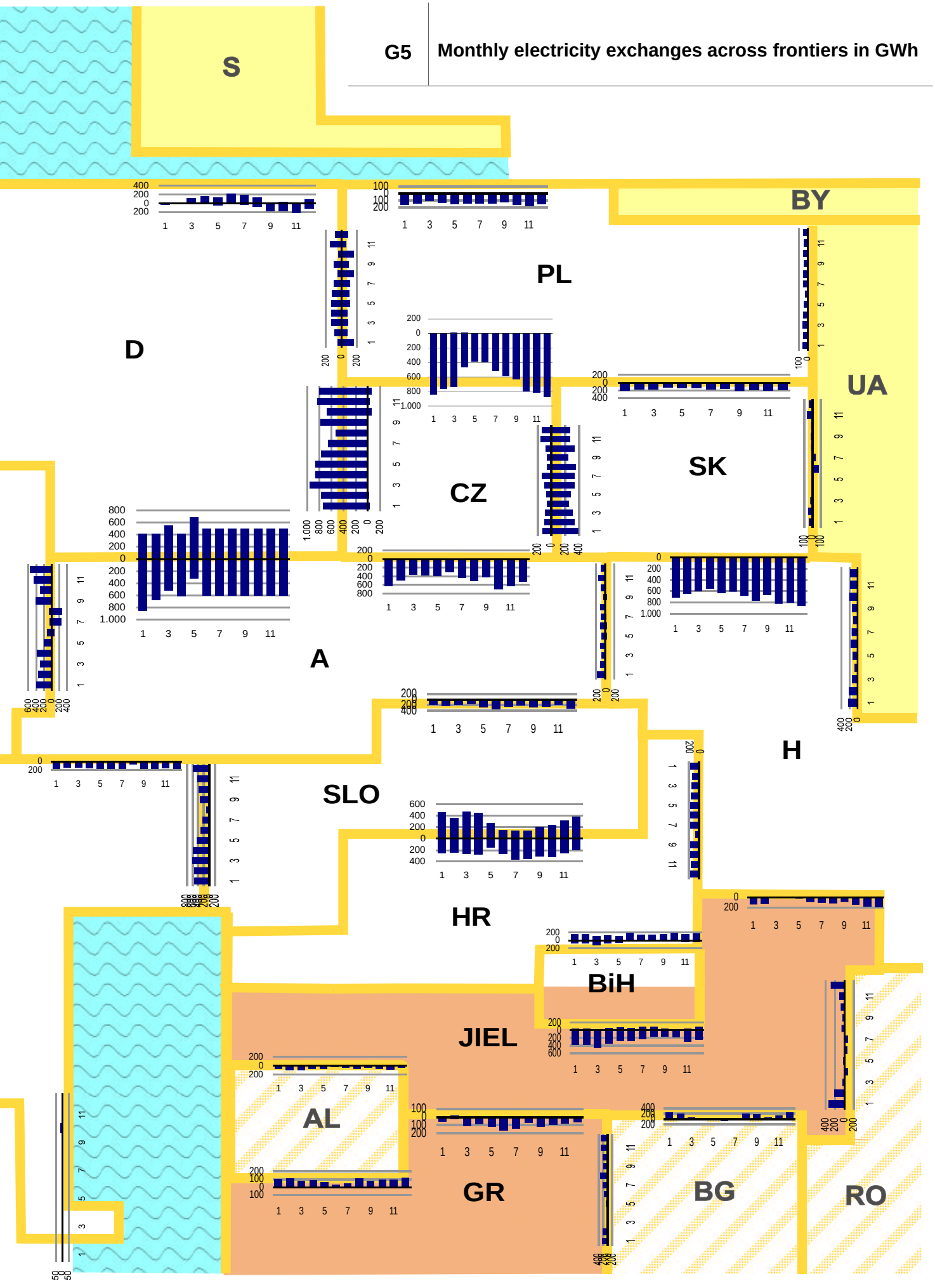
1st synchronous UCTE region
2nd synchronous UCTE region
Synchronous operation with 1st UCTE region
Synchronous operation with 2nd UCTE region
Associated members of UCTE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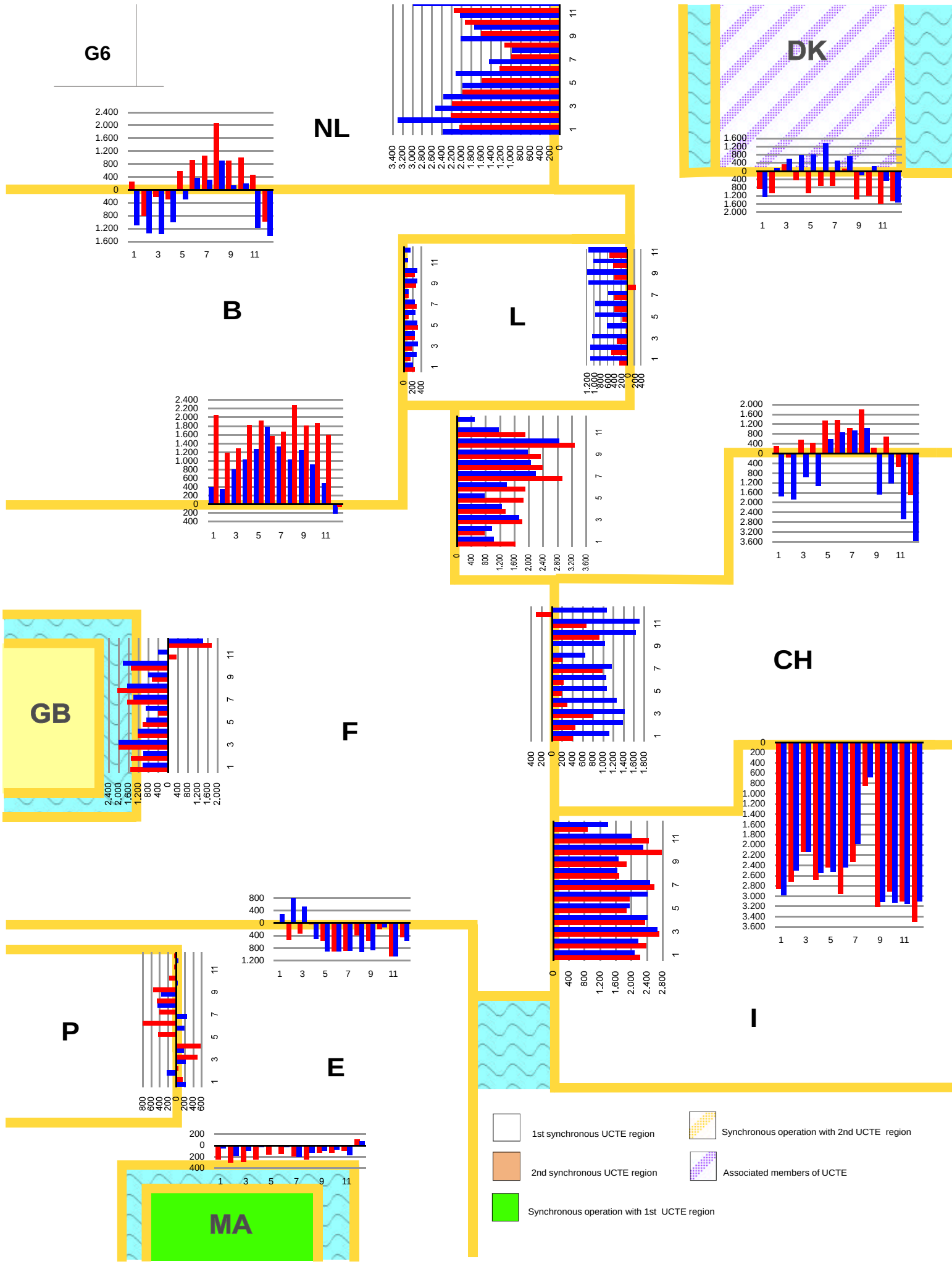
G6
NL
DK
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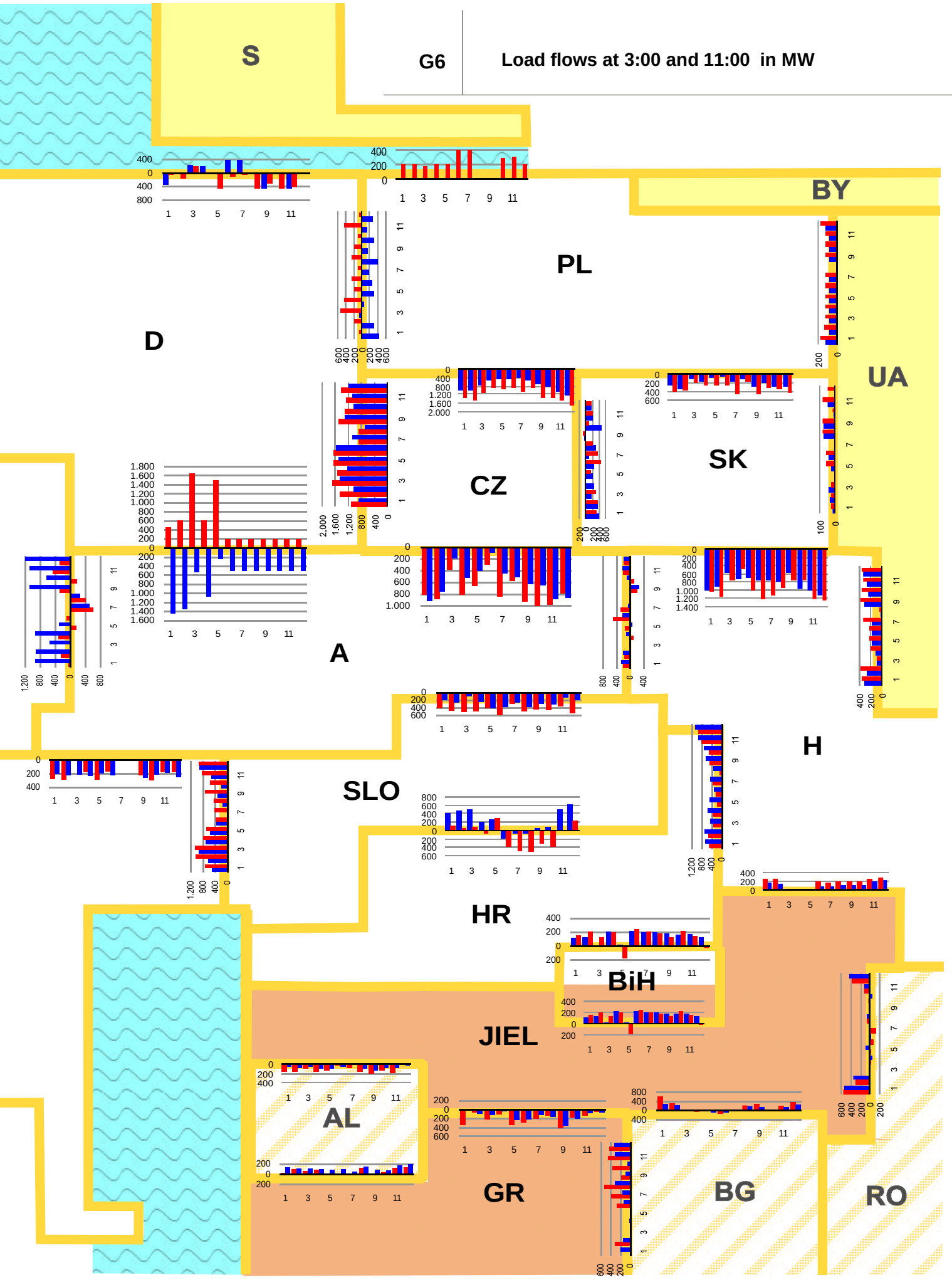
1st synchronous UCTE region
2nd synchronous UCTE region
Synchronous operation with 1st UCTE region
Synchronous operation with 2nd UCTE region
Associated members of UCTE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	Observations
[1]	Limited by transformer with regulation in quadrature in Gronau
[2]	Limited by transformer with regulation in quadrature in Gronau
[3]	Transformer in Borssele
[4]	Transformer in Jamiolle
[5]	(220/150)
[6]	Installed in Verbois
[7]	(380/220)
[8]	Cross-border power station
[9]	(11/130)
[10]	Cross-border power station
[11]	(11/130)
[12]	Cross-border power station
[13]	(11/130)
[14]	Line property EnBW Netz in Germany Partially on the same tower as line Asphard-Kühmoos or Sierentz-Laufenburg
[15]	DC link with three connections
[16]	Transforming station of Lucciana in Corsica
[17]	DC link with three connections
[18]	Transforming station of Lucciana in Corsica
[19]	Partially on the same tower as the Laufenbourg-Engstlatt line (No. 105.1)
[20]	Transducer
[21]	Transducer
[22]	On the same tower as line No. 81 Laufenbourg-Sierentz 380 kV
[23]	Sag of conductor taken into consideration
[24]	From Kühmoos to Laufenbourg on the same tower
[25]	Disconnector
[26]	Limited by measuring transducer at Laufenbourg
[27]	From Kühmoos to Laufenbourg on the same tower
[28]	On the same tower as line Sierentz-Laufenburg
[29]	Limited by switching devices in Austria

T 9

Frontier point	Line	Circuit	Connection between: from substation			to substation		
			Country	Name	Operated by	Country	Name	Operated by
Nr.	Nr.	Nr.						
1	2	3	4	5	6	7	8	9
11	1	1	D	Diele	E.ON Netz	NL	Meeden	TenneT
11	2	1	D	Conneforde	E.ON Netz	NL	Meeden	TenneT
13	1	1	D	Siersdorf	RWE Net	NL	Maasbracht	TenneT
13	1	2	D	Rommerskirchen	RWE Net	NL	Maasbracht	TenneT
15	1	1	D	Gronau W	RWE Net	NL	Hengelo	TenneT
15	1	2	D	Gronau Z	RWE Net	NL	Hengelo	TenneT
25	1	1	B	Gramme	Elia	NL	Maasbracht	TenneT
25	1	2	B	Meerhout	Elia	NL	Maasbracht	TenneT
26	1	1	B	Zandvliet	Elia	NL	Geertruidenberg	TenneT
26	2	1	B	Zandvliet	Elia	NL	Borssele	TenneT
27	1	1	B	Maldegem	ELECTRABEL	NL	Oostburg	TenneT
41	1	1	B	Aubange	ELECTRABEL	L	Belval	SOTEL
41	1	2	B	Aubange	ELECTRABEL	L	Belval	SOTEL
41	2	1	B	Aubange	ELECTRABEL	L	Belval	SOTEL
41	3	1	B	Aubange	ELECTRABEL	L	Belval	SOTEL
51	1	1	B	Jamiolle	ELECTRABEL	F	Chooz	RTE
51	2	1	B	Avelgem	Elia	F	Avelin	RTE
51	3	1	B	Achène	Elia	F	Lonny	RTE
52	1	1	B	Aubange	ELECTRABEL	F	Moulaine	RTE
71	1	1	D	Uchtelfangen	RWE Net	F	Vigy	RTE
71	1	2	D	Uchtelfangen	RWE Net	F	Vigy	RTE
71	2	1	D	Ensdorf	RWE Net	F	St-Avold	RTE
72	1	1	D	Eichstetten	EnBW	F	Vogelgrün	RTE
72	1	2	D	Eichstetten	EnBW	F	Muhlbach	RTE
81	1	1	CH	Bassecourt	BKW	F	Sierentz	RTE
81	2	1	CH	Laufenburg	EGL	F	Sierentz	RTE
81	3	1	CH	Bassecourt	BKW	F	Mambelin	RTE
82	1	1	CH	Verbois	EOS	F	Bois-Tollot	RTE
82	1	2	CH	Chamoson	EOS	F	Bois-Tollot	RTE
82	2	1	CH	Verbois	EOS	F	Génissiat	RTE
82	2	2	CH	Verbois	EOS	F	Génissiat	RTE
82	3	1	CH	Verbois	EOS	F	Chancy-Pougny	SFM C-P
82	4	1	CH	La Bâtiaz	Atel	F	Vallorcine	RTE
82	5	1	CH	Riddes	EGL	F	Cornier	RTE
82	6	1	CH	St.-Triphon	EOS	F	Cornier	RTE
83	1	1 [14]	CH/D	Asphard	Atel/NOK /EnBW	F	Sierentz	RTE
91	1	1	F	Albertville	RTE	I	Rondissone	GRTN
91	1	2	F	Albertville	RTE	I	Rondissone	GRTN
92	1	1	F	Le Broc Carros	RTE	I	Camporosso	GRTN
93	1	1	F	Villarodin	RTE	I	Venaus	GRTN
94	1	1 [15]	F	Lucciana	RTE	I	Suvereto	GRTN
94	1	2 [17]	F	Lucciana	RTE	I	Suvereto	GRTN
102	1 [19]	1	CH	Laufenburg	EGL	D	Gurtweil	EnBW
102	1	2	CH	Laufenburg	EGL	D	Gurtweil	EnBW
102	2	1 [22]	CH	Laufenburg	EGL	D	Kühmoos	EnBW
102	3 [24]	1	CH	Laufenburg	EGL	D	Kühmoos	EnBW
102	3	2	CH	Laufenburg	EGL	D	Kühmoos	EnBW
102	4	1	CH	Laufenburg	EGL	D	Kühmoos	EnBW
102	4	2	CH	Laufenburg	EGL	D	Kühmoos	RWE Net
102	5 [27]	1	CH	Laufenburg	EGL	D	Tiengen	RWE Net
103	1	1	CH	Beznau	NOK	D	Tiengen	RWE Net
103	1	2	CH	Koblenz	NOK	D	Tiengen	RWE Net
103	1	3	CH	Klingnau	AWAG	D	Tiengen	RWE Net
104	1	1 [28]	CH	Asphard	Atel/NOK	D	Kühmoos	EnBW
105	1	1	CH	Laufenburg	EGL	D	Engstlatt	EnBW
111	1	1	A	Bürs	VIW	D	Obermooweiler	EnBW
111	1	2	A	Bürs	VIW	D	Obermooweiler	EnBW
111	2	1	A	Bürs	VIW	D	Herbertingen	RWE Net
111	3	1	A	Bürs	VIW	D	Dellmensingen	RWE Net
111	4	1	A	Rieden	VKW -ÜN	D	Lindau	VKW -ÜN
111	4	2	A	Hörbranz	VKW -ÜN	D	Lindau	VKW -ÜN
111	5	1	A	Vorderwald	VKW -ÜN	D	Weiler	VKW -ÜN

*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 aerial 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 7 or 8. 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.

T 9

Voltage of the circuit		Conventional transmission capacity of the connection (thermal)*		Limited by the transformers or by the substations			
				of circuits		of lines	
Forecast	Present	Forecast	Present	at	Voltage	Transmission capacity	Voltage
kV	kV	MVA	MVA	MVA	kV	MVA	kV
10	11	12	13	14	15	16	17
	380		1382				
	380		1382				
	380		1645				
	380		1698				
	380		1790			1300 [1]	
	380		1790			1300 [2]	
	380		1207				
	380		1270				
	380		1476				
	380		1476	450 [3]			
	150		139				
	220		358				
	220		358				
	150		157	100			
	150		157	100			
	220		322	290	150 [4,5]		
	380		1207				
	380		1207				
	220		286				
	380		1167				
	380		1167				
	220		261				
380	220		338				
	380		1751				
	380		1186				
	380		1167				
	380		789				
	380		1211	800	220 [6,7]		
	380		1409	600			
	220		280				11 [8,9]
	220		280				11 [10,11]
	130		52	42			11 [12,13]
	220		275				
	220		275				
	220		275				
	380		1167				
	380		1150				
	380		1150				
	220		335				
	380		879				
	220 [16]		300			50	
	220 [18]		300			50	
	220		485	457[20]	220		
	220		485	457[21]	220		
	220		295[23]				
380	220		485	476 [25]	220		
	380		1620				
	380		1620				
	380		1580	1264 [26]			
	380		1158				
	380		1158				
380	220		335				
380	110		57	40			
	380		1340				
	380		1675				
	380		1369				
	380		1369				
380	220		389				
380	220		492	457 [29]			
	110		84				
	110		84				
	110		141				

	Observations
[30]	Cable at Braunau
[31]	Cable at Braunau
[32]	Normally no electricity exchange across this line/ electricity loop at pylon 32 open, circuit grounded
[33]	Transducer at Ering
[34]	Transducer at Ering
[35]	Isolator in St. Peter
[36]	Isolator in St. Peter
[37]	Normally no electricity exchange across this line
[38]	Line section national border-tower 62 owned by E.ON Netz
[39]	Normally no electricity exchange across this line
[40]	Line section national border-tower 62 owned by E.ON Netz
[41]	No international interconnector
[42]	CFT blocker at St. Peter
[43]	No international interconnector
[44]	CFT blocker at St. Peter
[45]	Switching device at Oberbrunn
[46]	Switching device at Oberbrunn
[47]	Possible to lay a second circuit
[48]	(130/150)
[49]	Possible to lay a second circuit
[50]	Limited by transformer
[51]	Limited by transformer
[52]	Transducer at Kassø
[53]	Transducer at Kassø
[54]	Monopol
[55]	DC submarine and underground 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
[63]	Generator line in radial operation - interconnected operation impossible
[64]	Installed at Vianden
[65]	Limited by transformer
[66]	Limited by pumped storage power station at Bauler
[67]	520 MW in total because of the use of pumps in the power station of Vianden
[68]	520 MW in total because of the use of pumps in the power station of Vianden
[69]	The 400kV link between GR-I is composed of an overhead line and a submarine cable

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Frontier point	Line	Circuit	Connection between: from substation			to substation		
			Country	Name	Operated by	Country	Name	Operated by
Nr.	Nr.	Nr.						
1	2	3	4	5	6	7	8	9
115	1	1	A	Braunau	ÖBK	D	Neuötting	E.ON Netz
115	2	1	A	Braunau	ÖBK	D	Stammham	E.ON Netz
115	3	1	A	Ranshofen	Verbund - APG	D	Neuötting	E.ON Netz
115	3	2 [32]	A	Ranshofen	Verbund - APG	D	Neuötting	E.ON Netz
115	4	1	A	Antiesenhofen	Verbund - APG	D	Egglfing	BWK
115	5	1	A	St. Peter	Verbund - APG	D	Altheim	E.ON Netz
115	6	1	A	St. Peter	Verbund - APG	D	Simbach	E.ON Netz
115	7	1	A	St. Peter	Verbund - APG	D	Ering	E.ON Netz
115	7	2	A	St. Peter	Verbund - APG	D	Ering	E.ON Netz
115	8	1	A	St. Peter	Verbund - APG	D	Egglfing	BWK
115	9	1	A	St. Peter	Verbund - APG	D	Pirach	E.ON Netz
115	10	1	A	St. Peter	Verbund - APG	D	Pleinting	E.ON Netz
115	11	1	A	Ranna	EAGOÖ	D	Passau [37,38]	E.ON Netz
115	11	2	A	Ranna	EAGOÖ	D	Passau [39,40]	E.ON Netz
115	12	1	A	Oberaudorf	ÖBK	D	Rosenheim	E.ON Netz
115	13	1	A	Oberaudorf	ÖBK	D	Kiefersfelden	E.ON Netz
115	14	1	A	Antiesenhofen	EAGOÖ	D	Weidach	Thüga
115	14	2	A	Antiesenhofen	EAGOÖ	D	Weidach	Thüga
115	15	1	A	Aigerding	Verbund - APG/EAGOÖ	D	Passau	ÖBK
115	16 [41]	1	A	St. Peter	Verbund - APG	D	Schärding	ÖBK
115	16 [43]	2	A	St. Peter	Verbund - APG	D	Schärding	ÖBK
115	17	1	A	Kufstein	TIRAG	D	Oberaudorf	ÖBK
115	17	2	A	Ebbs	TIRAG	D	Oberaudorf	ÖBK
116	1	1	A	Westtirol	Verbund - APG	D	Leupolz	RWE Net
116	2	1	A	Westtirol	Verbund - APG	D	Memmingen	RWE Net
117	1	1	A	Silz	TIRAG	D	Oberbrunn	E.ON Netz
117	1	2	A	Silz	TIRAG	D	Oberbrunn	E.ON Netz
117	3	1	A	Reutte	TIRAG	D	Füssen	EW Reutte
117	3	2	A	Reutte	TIRAG	D	Füssen	EW Reutte
121	1	1	CH	Airolo	Atel	I	Ponte	GRTN
121	2	1	CH	Gorduno	Atel	I	Mese	GRTN
121	3	1	CH	Soazza	EGL	I	Bulciago	GRTN
121	4	1	CH	Lavorgo	Atel	I	Musignano	GRTN
122	1	1 [47]	CH	Campocologno	RE	I	Poschiavino	GRTN
122	2	1	CH	Robbia	RE	I	Sondrio	GRTN
123	1	1	CH	Riddes	EGL	I	Avise	GRTN
123	2	1	CH	Riddes	EGL	I	Valpelline	GRTN
123	3	1	CH	Mörel	RHOWAG	I	Pallanzeno	GRTN
132	1	1	A	Lienz	Verbund - APG	I	Soverzene	GRTN
141	1	1 [49]	A	Meiningen	VKW-ÜN	CH	Y-Rehag	NOK
142	1	1	A	Westtirol	Verbund - APG	CH	Pradella	EGL
142	2	1	A	Westtirol	Verbund - APG	CH	Pradella	EGL
151	1	1	E	Hernani	REE	F	Cantegrit	RTE
151	2	1	E	Irún	REE	F	Errondenia	RTE
151	3	1	E	Arkale	REE	F	Mouguerre	RTE
151	4	1	E	Biescas	REE	F	Pragnères	RTE
152	1	1	E	Benós	REE	F	Lac d'Oo	RTE
153	1	1	E	Vic	REE	F	Baixas	RTE
161	1	1	D	Flensburg	E.ON Netz	DK	Ensted	ELSAM
161	2	1	D	Flensburg	E.ON Netz	DK	Kassø	ELSAM
161	3	1	D	Audorf	E.ON Netz	DK	Kassø	ELSAM
161	3	2	D	Audorf	E.ON Netz	DK	Kassø	ELSAM
162	1 [54]	1	D	Bentwisch	VEAG	DK	Bjæverskov	ELKRAFT
171	1	1	A	Bisamberg	Verbund - APG	CZ	Sokolnice	CEPS
171	2	1	A	Bisamberg	Verbund - APG	CZ	Sokolnice	CEPS
172	1	1	A	Dürnrohr	Verbund - APG	CZ	Slavetice	CEPS
181	1	1	A	Obersielach	Verbund - APG	SLO	Podlog	ELES
182	1	1	A	Kainachtal	Verbund - APG	SLO	Maribor	ELES
182	2	1	A	Kainachtal	Verbund - APG	SLO	Maribor	ELES
191	1	1	D	Niederstedem	RWE Net	L	Vianden	SEO
191	2	1	D	Niederstedem	RWE Net	L	Vianden	SEO
191	2	2	D	Niederstedem	RWE Net	L	Vianden	SEO
191	3	1	D	Bauler	RWE Net	L	Vianden	SEO
191	4	1	D	Bauler	RWE Net	L	Flebour	CEGEDEL
191	4	2	D	Bauler	RWE Net	L	Roost	CEGEDEL
192	1	1	D	Trier	RWE Net	L	Heisdorf	CEGEDEL
192	2	1	D	Quint	RWE Net	L	Heisdorf	CEGEDEL
201	1	1	I	Redipuglia	GRTN	SLO	Divača	ELES
201	2	1	I	Padriciano	GRTN	SLO	Divača	ELES
205	1 [69]	1	I	Galatina	GRTN	GR	Arachthos	HTSO

*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 aerial 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 7 or 8. 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.

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Voltage of the circuit		Conventional transmission capacity of the connection (thermal)*		Limited by the transformers or by the substations			
				of circuits		of lines	
Forecast	Present	Forecast	Present	at	Voltage	Transmission capacity	Voltage
kV	kV	MVA	MVA	MVA	kV	MVA	kV
10	11	12	13	14	15	16	17
	110		102			82 [30]	
	110		102			82 [31]	
	110		90				
	110		90				
	110		102				
	220		301				
	220		301				
	110		152	137		114 [33]	
	110		152	137		114 [34]	
	110		105				
	220		518	457 [35]			
	220		518	457 [36]			
	110		90				
	110		90				
	110		93				
	110		102				
	110		130				
	110		130				
	110		102				
	220		301			229 [42]	
	220		301			229 [44]	
	110		90				
	110		127				
	380		1316				
380	220		762				
	220		793	762 [45]			
	220		793	762 [46]			
	110		127				
	110		127				
	220		257				
	220		257	250			
	380		1142				
	380		1118				
	150		103	55	130 [48]		
	220		257				
	220		290				
	220		290				
	220		257				
	220		257				
	220		501				
	380		1340				
	380		1340				
	380		1110				
	132		59				
	220		290				
	220		247				
	110		76				
	380		1331				
	220		332	305 [50]			
	220		332	305 [51]			
	380		1382	658 [52]			
	380		1382	658 [53]			
	400		600 [55]				
	220		269				
	220		269				
	400		1711	1386 [56]			
	220		351				
	380		1514	450			
	380		1514	450			
	220		730	460	220 [57,58]		
	220		365		220 [59,60]	345	
	220		365		220 [61,62]	345	
	220		730	460	220 [63,64]	345[65]	
	220		490	358[66]		520 [67]	
	220		490			520 [68]	
	220		490				
	220		490				
	380		1712				
	220		330				
	400		500				

	Observations
[70]	In Hungary 2 systems in parallel operation
[71]	DC submarine cable
[72]	DC submarine cable
[73]	Limited by the connected network
[74]	Nominal voltage in Croatia
[75]	Limited by the connected network
[76]	Nominal voltage in Croatia
[77]	Limited by the measuring transformer of current
[78]	Limited by the measuring transformer of current
[79]	Capacity of auto-transformer at Elbassan
[80]	Capacity of current transformers at Bistrica
[81]	Limitating installations in CZ
[82]	Limitating installations in CZ
[83]	Limited by circuit breaker VEAG
[84]	Limited by circuit breaker VEAG
[85]	Disconnected in Yugoslavia
[86]	Limeted by lower voltage
[87]	Limitation by measuring transducer
[88]	Destroied line
[89]	Destroied line
[90]	Out of operation
[91]	Destroied line and substation
[92]	Destroied line
[93]	Destroied line

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Frontier point	Line	Circuit	Connection between: from substation			to substation		
			Country	Name	Operated by	Country	Name	Operated by
Nr.	Nr.	Nr.						
1	2	3	4	5	6	7	8	9
211	1	1	A	Wien Süd-Ost	Verbund - APG	H	Györ	MVM
211	1	2	A	Neusiedl	Verbund - APG	H	Györ	MVM
212	1	1 [70]	A	Wien Süd-Ost	Verbund - APG	H	Györ	MVM
221	1	1	F	Mandarins	RTE	GB	Sellindge	National Grid
221	2	1	F	Mandarins	RTE	GB	Sellindge	National Grid
231	1	1	E	Las Conchas	REE	P	Lindoso	REN
232	1	1	E	Aldeadávila	REE	P	Bemposta	REN
232	2	1	E	Aldeadávila	REE	P	Pocinho	REN
232	3	1	E	Saucelle	REE	P	Pocinho	REN
233	1	1	E	Cedillo	REE	P	Falagueira	REN
234	1	1	E	Cartelle	REE	P	Alto Lindoso	REN
241	1	1	FYROM	Dubrovo	ESM	GR	Thessaloniki	HTSO
242	1	1	FYROM	Bitola	ESM	GR	Amynteo	HTSO
245	1	1	CZ	Liskovec	CEPS	PL	Kopanina	PSE SA
246	1	1	CZ	Liskovec	CEPS	PL	Bujaków	PSE SA
251	1	1	H	Lenti	MVM	HR	Nedeljanec	HEP
251	2	1	H	Siklos	MVM	HR	Donji Miholjac	HEP
251	3	1	H	Héviz	MVM	HR	Tumbri	HEP
251	3	2	H	Héviz	MVM	HR	Tumbri	HEP
261	1	1	YU	Djerdap	EPS	RO	Portile de Fier	TRANSELECTRICA
261	2	1	YU	Sip	EPS	RO	Guravai	TRANSELECTRICA
262	1	1	YU	Kikinda 1	EPS	RO	Temisvar	TRANSELECTRICA
263	1	1	YU	Kusijak	EPS	RO	Ostrvo Mare	TRANSELECTRICA
270	1	1	CZ	Liskovec	CEPS	SK	Pov. Bystrica	SE
271	1	1	BG	Sofija Zapad	NEK	YU	Niš	EPS
272	1	1	BG	Breznik	NEK	YU	HE Vrla 1	EPS
273	1	1	BG	Kula	NEK	YU	Zaječar	EPS
280	1	1	CZ	Sokolnice	CEPS	SK	Senica	SE
281	1	1	AL	Vau i Dejës	KESH	YU	Podgorica	EP CG
282	1	1	AL	Fierza	KESH	YU	Prizren	EPS
291	1	1	AL	Elbassan	KESH	GR	Kardia	HTSO
292	1	1	AL	Bistrica	KESH	GR	Mourtos	HTSO
301	1	1	BG	Blagoevgrad	NEK	GR	Thessaloniki	HTSO
321	1	1	CZ	Hradec	CEPS	D	Etzenricht	E.ON Netz
321	1	2	CZ	Prestice	CEPS	D	Etzenricht	E.ON Netz
322	1	1	CZ	Hradec	CEPS	D	Röhrsdorf	VEAG
322	1	2	CZ	Hradec	CEPS	D	Röhrsdorf	VEAG
331	1	1	H	Sándorfalva	MVM	YU	Subotica 3	EPS
332	1	1	H	Szeged	MVM	YU	Subotica	EPS
341	1	1	BG	Petric	NEK	FYROM	Sušica	ESM
341	2	1	BG	Skakavica	NEK	FYROM	Kriva Palaka	ESM
351	1	1	HR	Melina	HEP	SLO	Divača	ELES
351	2	1	HR	Pehlin	HEP	SLO	Divača	ELES
351	3	1	HR	Buje	HEP	SLO	Koper	ELES
351	4	1	HR	Matulji	HEP	SLO	Ilirska Bistrica	ELES
352	1	1	HR	Tumbri	HEP	SLO	Krško	ELES
352	1	2	HR	Tumbri	HEP	SLO	Krško	ELES
352	2	1	HR	Mraclin	HEP	SLO	Cirkovce	ELES
352	3	1	HR	Nedeljanec	HEP	SLO	Formin	ELES
361	1	1	BiH	Mostar	JPCC	HR	Konjsko	HEP
361	2	1	BiH	Mostar	JPCC	HR	Zakučac	HEP
361	3	1	BiH	Grahovo	JPCC	HR	Knin	HEP
361	4	1	BiH	Buško Blato	JPCC	HR	Kraljevac	HEP
361	5	1	BiH	Buško Blato	JPCC	HR	Peruca	HEP
361	6	1	BiH	Grude	JPCC	HR	Imotski	HEP
361	7	1	BiH	Kulen Vakuf	JPCC	HR	Gracac	HEP
362	1	1	BiH	Jajce	JPCC	HR	Mraclin	HEP
362	2	1	BiH	Prijedor	JPCC	HR	Međurić	HEP
363	1	1	BiH	Trebinje	JPCC	HR	Dubrovnik	HEP
363	2	1	BiH	Trebinje	JPCC	HR	Dubrovnik	HEP
363	3	1	BiH	Čapljina	JPCC	HR	Opuzen	HEP
363	4	1	BiH	Neum	JPCC	HR	Opuzen	HEP
363	5	1	BiH	Neum	JPCC	HR	Ston	HEP
363	6	1	BiH	Trebinje	JPCC	HR	Komolac	HEP
364	1	1	BiH	Ugljevik	JPCC	HR	Ernestinovo	HEP
364	2	1	BiH	Gradačac	JPCC	HR	Đakovo	HEP
364	3	1	BiH	Tuzla	JPCC	HR	Đakovo	HEP
364	4	1	BiH	Bosanski Brod	JPCC	HR	Bjelis	HEP
364	5	1	BiH	Orasje	JPCC	HR	Županja	HEP

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T 9

Voltage of the circuit		Conventional transmission capacity of the connection (thermal)*		Limited by the transformers or by the substations			
				of circuits		of lines	
Forecast	Present	Forecast	Present	at	Voltage	Transmission capacity	Voltage
kV	kV	MVA	MVA	MVA	kV	MVA	kV
10	11	12	13	14	15	16	17
	220		305				
	220		305				
	380		1514				
	270 [71]						
	270 [72]						
	132		105				
	220		200				
	220		200				
	220		268				
	380		790				
	380		1036				
	400		1300	700			
	150		120	100			
	400		400				
	400		400				
	120		82	50 [73]	110 [74]		
	120		114	50 [75]	110 [76]		
	400		1246				
	400		1246				
	380		1264				
	110		90				
	110		90				
	110		257				
	220		269		229[77]		
	380		1264				
	110		90				
	110		90				
	220		318		305 [78]		
	220		311				
	220		311				
	400		1300	250 [79]			
	150		120	40 [80]			
	400		1300	700			
	380		1639	1316 [81]			
	380		1645	1579 [82]			
	380		1476	1320 [83]		2630	
	380		1476	1320 [84]		2630	
	380		1246	1050			
	120		86 [85]				
	110		123				
	110		123				
	380		1264				
	220		366				
	110		89				
	110		53				
	380		1316				
	380		1316				
	220		297				
	110		115				
	400		1316	311 [86]	220		
	220		311				
	110		90				
	110		115				
	110		90				
	110		72				
	110		120	101 [87]			
	220		297[88]				
	220		297[89]				
	220		460[90]				
	220		460				
	110		84				
	110		84				
	110		76				
	110		84				
	400		831 [91]				
	220		229 [92]				
	220		229				
	110		115 [93]				
	110		76				

	Observations
[94]	Monopol
[95]	Temporarily limited by 380/110 kV transformer at Herrenwyk (456 MW towards south, 372/396 MW towards north)
[96]	Limited by the measuring transformer of current
[97]	Limited by the connections among equipments
[98]	Limited by the measuring transformer of current
[99]	Limited by the measuring transformer of current
[100]	Limitation by current transformer at Mikulowa
[101]	Limitation by current transformer at Mikulowa
[102]	Submarine cable
[103]	Limited by current transformer at Lemešany
[104]	Limited by current transformer at Lemešany
[105]	Out of operation/ substation local automatic equipment
[106]	Radial operation
[107]	Isolated operation
[108]	Submarine cable

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Frontier point	Line	Circuit	Connection between: from substation			to substation		
			Country	Name	Operated by	Country	Name	Operated by
Nr.	Nr.	Nr.						
1	2	3	4	5	6	7	8	9
371	1	1	HR	Ernestinovo	HEP	YU	Mladost	EPS
371	2	1	HR	Nijemci	HEP	YU	Šid	EPS
371	3	1	HR	Beli Manastir	HEP	YU	Apatin	EPS
381	1	1	BiH	Trebinje	JPCC	YU	Podgorica	EP CG
381	2	1	BiH	Trebinje	JPCC	YU	Peručica	EP CG
381	3	1	BiH	Trebinje	JPCC	YU	Herceg Novi	EP CG
381	4	1	BiH	Bileča	JPCC	YU	Vilusi	EP CG
382	1	1	BiH	Sarajevo 20	JPCC	YU	Piva	EP CG
382	2	1	BiH	Goražde	JPCC	YU	Pljevlja	EP CG
383	1	1	BiH	Višegrad	JPCC	YU	Požega	EPS
383	2	1	BiH	Bijeljina	JPCC	YU	Lešnica	EPS
383	3	1	BiH	Zvornik	JPCC	YU	HE Zvornik	EPS
383	4	1	BiH	Višegrad	JPCC	YU	Potpeć	EPS
391	1	1	FYROM	Skopje 1	ESM	YU	Kosovo A	EPS
391	2	1	FYROM	Skopje 1	ESM	YU	Kosovo A	EPS
391	3	1	FYROM	Skopje 4	ESM	YU	Kosovo B	EPS
401	1 [94]	1	D	Herrenwyk	E.ON Netz	S	Kruseberg	Sydkraft/Vattenfall
404	1	1	CZ	Nosovice	CEPS	SK	Varin	SE
424	1	1	CZ	Sokolnice	CEPS	SK	Krizovany	SE
440	1	1	SK	V.Kapusany	SE	UA	Mukacevo	UA
443	1	1	CZ	Albrechtice	CEPS	PL	Wielopole	PSE SA
444	1	1	CZ	Nošovice	CEPS	PL	Wielopole	PSE SA
497	1	1	CZ	Sokolnice	CEPS	SK	Stupava	SE
501	1	1	D	Vierraden	VEAG	PL	Krajnik	PSE SA
501	1	2	D	Vierraden	VEAG	PL	Krajnik	PSE SA
502	1	1	D	Hagenwerder	VEAG	PL	Mikulowa	PSE SA
502	1	2	D	Hagenwerder	VEAG	PL	Mikulowa	PSE SA
601	1 [102]	1	E	Pinar del Rey	REE	MA	Melloussa	ONE
700	1	1	PL	Krosno Iskrzynia	PSE SA	SK	Lemešany	SE
700	1	2	PL	Krosno Iskrzynia	PSE SA	SK	Lemešany	SE
701	1	1	PL	Rzeszów	PSE SA	UA	Chmielnicka	NDC
702	1	1	PL	Zamość	PSE SA	UA	Dobrotwor	Zachidenergo Lvov
703	1	1	PL	Bialystok	PSE SA	BY	Roś	Grodnoenergo
704	1	1	PL	Slupsk	PSE SA	S	Stärno	SvK
710	1	1	H	Györ	MVM	SK	Gabcikovo	SE
711	1	1	H	Göd	MVM	SK	Levice	SE
720	1	1	H	Albertirsa	MVM	UA	Zahidno Ukrainska	UEN
721	1	1	H	Sajószöged	MVM	UA	Mukacevo	UEN
722	1	1	H	Kisvárda	MVM	UA	Mukacevo	UEN
722	1	2	H	Tiszalök	MVM	UA	Mukacevo	UEN
730	1	1	H	Sándorfalva	MVM	RO	Arad	TRANSELECTRICA

*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 aerial 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 7 or 8. 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.

T 9

Voltage of the circuit		Conventional transmission capacity of the connection (thermal)*		Limited by the transformers or by the substations			
				of circuits		of lines	
Forecast	Present	Forecast	Present	at	Voltage	Transmission capacity	Voltage
kV	kV	MVA	MVA	MVA	kV	MVA	kV
10	11	12	13	14	15	16	17
	380		831				
	110		76				
	110		78				
	380		1264				
	220		311				
	110		90				
	110		84				
	220		366				
	110		90				
	220		311				
	110		123				
	110		123				
	110		123				
	220		311				
	220		311				
	380		1264				
	450		600	372 [95]			
	400		1465	1386 [96]			
	400		1503	1323 [97]			
	400		1400	692 [98]			
	400		1212				
	400		1212				
	400		1711	692 [99]			
	220		196				
	220		196				
	380		1427	1385 [100]			
	380		1427	1385 [101]			
	380		730				
	400		1385	692 [103]			
	400		1385	692 [104]			
	750		2676	1300 [105]			
	220		168 [106]				
	220		154 [107]				
	450		600 [108]				
	400		1246	830			
	400		1246	830			
	750		4000	2146			
	400		1635	1385			
	220		275				
	220		275				
	400		1246				

Abbreviations used

BELGIQUE	ELIA	- Elia SA/NV
	ELECTRABEL	- ELECTRABEL S.A., Bruxelles
DEUTSCHLAND	E.ON Netz	- E.ON Netz, Bayreuth
	EnBW	- Energie Baden-Württemberg AG, Karlsruhe
	EW Reute	- Elektrizitätswerke Reute
	KWL	- Kraftwerk Laufenburg, Laufenburg
	ÖBK	- Österreichisch-Bayerische Kraftwerke AG, Simbach
	RWE Net	- RWE Net AG, Dortmund
	Thüga	- Thüga AG, München
	VEAG	- Vereinigte Energiewerke AG, Berlin
ESPAÑA	REE	- Red Eléctrica de España S.A., Madrid
FRANCE	RTE	- Gestionnaire du Réseau de Transport d'Electricité, Paris
HELLAS	HTSO	- Hellenic Transmission System Operator
ITALIA	GRTN	- Gestore della Rete di Trasmissione Nazionale S.p.A., Roma
SLOVENIJA	ELES	- Elektro-Slovenija, Ljubljana
HRVATSKA	HEP	- Hrvatska Elektroprivreda, Zagreb
S.R. JUGOSLAVIJA	EPCG	- Elektroprivreda Crne Gore, Niksic
	EPS	- Elektroprivreda Srbije, Beograd
FYROM	ESM	- Elektrostopanstvo na Makedonija, Skopje
BOSNA i HERCEGOVINA	JPCC	- Joint Power Coordination Center
LUXEMBOURG	CEGEDEL	- Compagnie Grand Ducale d'Electricité du Luxembourg, Luxembourg
	SEO	- Société Electrique de l'Our, Luxembourg
	SOTEL	- Société de Transport d'Energie Electrique du Grand-Duché de Luxembourg, Luxembourg
NEDERLAND	TenneT bV	- TenneT bV Transmission System Operator

ÖSTERREICH	EAGOÖ	- Energie AG Oberösterreich, Linz
	ÖBK	- Östereichisch Bayrische Kraftwerke
	TIRAG	- Tiroler Regelzone AG
	Verbund-APG	- Verbund - Austria Power Grid GmbH, Wien
	VIW	- Vorarlberger Illwerke AG, Bregenz
	VKW-ÜN	- Vorarlberger Kraftwerke Übertragungsnetz AG, Bregenz
PORTUGAL	REN	- Rede Eléctrica Nacional, S.A., Lisboa
SCHWEIZ	Atel	- Aare-Tessin AG für Elektrizität, Olten (Aar et Tessin Société Anonyme d'Electricité)
	AWAG	- Aarewerke AG, Aarau
	BKW	- BKW FMB Energie AG, Bern (BKW FMB Energie S.A.)
	EGL	- Elektrizitäts-Gesellschaft Laufenburg AG, Laufenburg (Electricité de Laufenbourg S.A.)
	EOS	- Energie Ouest Suisse S.A., Lausanne
	KWB	- Kraftwerke Brusio AG, Poschiavo (Forces Motrices de Brusio S.A.)
	NOK	- Nordostschweizerische Kraftwerke AG, Baden (Forces Motrices du Nord-Est de la Suisse)
	RHOWAG	- Rhonewerke AG, Visp
	SFM C-P	- Société des Forces Motrices de Chancy-Pougny, Chancy
	SIG	- Services Industriels de Genève, Genève
CESKA REPUBLIKA	CEPS	- CEPS a.s., Praha
MAGYARORSZÁG	MVM	- Magyar Villamos Müvek Tröszt, Budapest
POLSKA	PSE SA	- Polskie Sieci Elektroenergetyczne SA
SLOVENSKO	SE	- Slovenske elektrarne

BULGARIJA	ENERGOIMPEX	- Energoimpex Ltd, Sofia
	NEK	- National Electric Company A.S., Sofia
DANMARK	ELKRAFT	- ELKRAFT Power Company Ltd, Copenhagen
	ELSAM	- Det Jysk-Fynske Elsamarbejde, Fredericia
GREAT BRITAIN	National Grid	- The National Grid Company plc, London
MAROC	ONE	- Office National de l'Electricité, Casablanca
ROMANIA	TRANSELECTRICA	- Transelectrica S.A., National Power Grid Company, Bucaresti
SHQIPËRIA	KESH	- Albanian Electroenergetic Corporation
SVERIGE	SYDKRAFT	- Sydkraft AB, Malmö
	VATTENFALL	- Vattenfall AB, Stockholm
UKRAINA	UA	- Ukrenergo

	Circuit length (km)				Transformers 400kV → 220kV	
					in the network	
Country	220 kV	of which cable	400 kV	of which cable	Number	Capacity GVA
B	388	0	1476	0	6	2,1
D *	21010	35	18525	62	130	58,0
E	16179	114	15197	15	83	35,5
F	26108	824	20877	2	205	103,0
GR	8046	152	2597	160	35	9,3
I	12557	406	9761	9	50	20,1
SLO	328	0	510	0	3	1,2
HR	1224	0	1157	0	0	0,0
JIEL	2723	0	2143	0	12	4,8
L *	236	6	0	0	0	0,0
NL	683	6	2003	6,0	4	2,5
A *	3765	5	2474	56	17	10,8
P	2588	11	1235	0	6	2,7
CH	4988	20	1597	0	19	10,6
UCTE	**100435**	**1579**	**78076**	**0**	**564**	**258,5**
CZ	1904	0	3376	0	4	2,0
H *	1488	0	1956	0	3	1,5
PL	8116	0	4660	0	14	6,1
SK	962	0	1753	0	3	1,4
CENTREL	**12470**	**0**	**11745**	**0**	**24**	**11,0**
UCTE + CENTREL	**112905**	**1579**	**89821**	**0**	**588**	**269,5**

* Values as of December 31, 2000

Transformers 220kV → < 220kV				Transformers 400kV → < 220kV			
of power units		in the network		of power units		in the network	
Number	Capacity GVA	Number	Capacity GVA	Number	Capacity GVA	Number	Capacity GVA
3	0,8	17	2,7	14	8,4	24	11,8
111	31,0	562	104,0	100	62,0	177	50,0
155	18,6	506	48,3	56	22,5	31	11,8
267	31,0	1141	104,0	205	86,0	54	13,0
64	7,3	356	14,8	15	4,8	0	0,0
112	23,0	148	23,8	116	34,8	204	51,1
1	0,3	10	1,5	2	0,8	3	0,9
5	0,8	10	2,4	1	0,3	3	2,5
20	3,8	53	8,0	16	6,6	17	5,0
10	1,3	18	2,6	0	0,0	0	0,0
9	3,2	23	4,4	6	3,6	32	14,6
64	7,1	67	11,5	3	1,2	13	3,9
60	3,6	60	7,0	15	3,2	11	3,3
101	4,7	149	13,9	8	4,3	1	0,2
979	**135,6**	**3103**	**346,2**	**543**	**230,1**	**546**	**156,3**
5	1,1	20	4,0	33	11,3	40	10,7
n.a.	n.a.	26	4,2	n.a.	n.a.	20	4,2
60	13,7	106	17,0	25	8,4	34	9,1
8	1,5	13	2,6	20	4,1	18	4,7
74	**16,6**	**165**	**27,8**	**76**	**22,4**	**112**	**28,7**
1074	**16,6**	**3268**	**374,0**	**532**	**258,7**	**658**	**185,0**

	F	I	SLO	HR	JIEL	L	NL	A	P	CH	CZ	H	PL	SK
B	-					2	1							
	2					2	-							
	2					-	4							
D	-					-	-	22		1	-		-	
	2					8	-	9		5	-		2	
	4					-	6	3		7	4		2	
E	2								1					
	2								3					
	2								2					
F	-									1				
	3									5				
	3									5				
GR	-				1									
	-				-									
	1				1									
I	-							-		1				
	1							1		6				
	1							-		2				
SLO	3							-						
	2							1						
	3							2						
HR	2											2		
	7											-		
	3											2		
JIEL												1		
												-		
												1		
A										-	-	-		
										1	2	2		
										2	1	1		
CZ													-	-
													2	2
													2	3
H														-
														-
														2
PL														-
														-
														2

<220 kV
220 kV
380 kV

As of 31.12.2001

T12 Commissioning of new transmission installations

Country	Name of line	Designed for	Equipped for	Operated with
Deutschland	Hamborn - Niederrhein	2 x 380 kV	2 x 220 kV	2 x 220 kV
	Zukunft - Verlautenheide	2 x 380 kV	1 x 380 kV	1 x 380 kV
		2 x 110 kV	2 x 110 kV	2 x 110 kV
	Karnap - Rosenblumenhelle	2 x 380 kV	1 x 380 kV	1 x 380 kV
		2 x 110 kV	2 x 110 kV	2 x 110 kV
	Altenfeld - Remptendorf	2 x 380 kV	2 x 380 kV	2 x 380 kV
	Anschluss Zwönitz	2 x 380 kV	2 x 380 kV	2 x 380 kV
	Anschluss Bentwisch	2 x 380 kV	2 x 380 kV	2 x 380 kV
España	Aragón - Peñalba	2 x 400 kV	2 x 400 kV	2 x 400 kV
	Castejón - La Serna	2 x 400 kV	2 x 400 kV	2 x 400 kV
	Fuencarral - Galapagar[1]	1 x 400 kV	1 x 400 kV	1 x 400 kV
	Fuencarral - San Sebastian de los Reyes[1]	1 x 400 kV	1 x 400 kV	1 x 400 kV
	Olmedilla - Romica	2 x 400 kV	2 x 400 kV	2 x 400 kV
	Castrelo - Pazos	2 x 400 kV	2 x 400 kV	2 x 400 kV
	E/S en Juneda - L/Mangraners-Montblanc[2]	2 x 220 kV	2 x 220 kV	2 x 220 kV
	San Esteban - Parque Eólico del Sil-Meda[3]	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Trives - Parque Eólico del Sil-Meda[3]	1 x 220 kV	1 x 220 kV	1 x 220 kV
	E/S en Gurrea - L/Villanueva-Sabiñanigo I[4]	2 x 220 kV	2 x 220 kV	2 x 220 kV
	Bolarque - Trillo	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Lubián - San Agustín[5]	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Lubián - Puebla de Sanabria[5]	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Caparacena-Gabias/Atarfe-Guadame	2 x 220 kV	2 x 220 kV	2 x 220 kV
	Caparacena-Gabias	2 x 220 kV	2 x 220 kV	2 x 220 kV
	Mesón - Vimianzo	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Vimianzo - Mazaricos	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Hortaleza - Campo de las Naciones	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Campo de las Naciones - Canillejas	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Villaviciosa-(Corralón Casa de Campo)-Mazarredo	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Mazarredo - Cerro de la Plata	1 x 220 kV	1 x 220 kV	1 x 220 kV
	La Grela - Orzán	2 x 220 kV	2 x 220 kV	2 x 220 kV
	Cillamayor - Mataporquera[6]	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Mataporquera - Guardo[6]	1 x 220 kV	1 x 220 kV	1 x 220 kV
France	Chesnois - Serein[7]	1 x 400 kV	1 x 400 kV	1 x 400 kV
	Gaudiere - Vich[8]	1 x 400 kV	1 x 400 kV	1 x 400 kV
	Aube - Flers[9]	1 x 225 kV	1 x 225 kV	1 x 225 kV
	Nimes Talabot - Saint Cesaire	1 x 225 kV	1 x 225 kV	1 x 225 kV

T12 Commissioning of new transmission installations

Hellas	Arachthos - Aheloos	1 x 400 kV	1 x 400 kV	1 x 400 kV
	Arachthos - Trikala	1 x 400 kV	1 x 400 kV	1 x 400 kV
Italia	Galatina - Arachthos [10]	1 x 400 kV	1 x 400 kV	1 x 400 kV
	Dolo - Villabona	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Villabona - Malcontenta	1 x 220 kV	1 x 220 kV	1 x 220 kV
	Marghera IV - Marghera I[11]	1 x 220 kV	1 x 220 kV	1 x 220 kV
Slovensko	Varin - Liptovska Mara	1 x 400 kV	1 x 400 kV	1 x 400 kV
	Horna Zdana - Sucany[12]	1 x 400 kV	1 x 400 kV	1 x 400 kV

[1] Galapagar - San Sebastian de los Reyes
[2] Mangraners - Montblanc
[3] San Esteban - Trives I
[4] Villanueva - Sabiñanigo I
[5] San Agustín - Puebla de Sanabria
[6] Mataporquera - Guardo
[7] Coupure á Villechetive
[8] Coupure á Baixas
[9] Coupure á Thiot
[10] Overhead line and DC submarine cable
[11] Cable
[12] Only the change of connecting into the substation, now Horna Zdana - Sucany, before Horna Zdana - L. Mara

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
B	79	3706	10	2950	3	1380	92	8036	7	5713
D	403	23572	66	20178	47	27749	516	71499	20	22246
E	251	7894	34	10695	10	5345	295	23934	9	7488
F	156	4906	31	7668	16	9640	203	22214	59	63183
GR	20	1891	16	4410	0	0	36	6301	0	0
I	1066	17532	64	18820	27	16196	1157	52548	0	0
SLO	2	267	1	312	1	662	4	1241	1	670
HR	14	1126	1	303	0	0	15	1429	0	0
JIEL	27	2585	11	3008	2	1160	40	6753	0	0
L *	0	0	0	0	0	0	0	0	0	0
NL	95	3887	19	5783	13	7367	127	17037	1	449
A *	0	0	0	0	0	0	0	0	0	0
P	19	1142	13	3712	0	0	32	4854	0	0
CH	16	273	0	0	0	0	16	273	5	3200
UCTE	**2148**	**68781**	**266**	**77839**	**119**	**69499**	**2533**	**216119**	**102**	**102949**
CZ	168	9552	0	0	1	460	169	10012	4	1637
H *	0	0	0	0	0	0	0	0	4	1769
PL	72	4314	8	1948	18	24379	98	30641	0	0
SK	24	2068	1	218	0	0	25	2286	6	2640
CENTREL	**264**	**15934**	**9**	**2166**	**19**	**24839**	**292**	**42939**	**14**	**6046**
UCTE + CENTREL	**2412**	**84715**	**275**	**80005**	**138**	**94338**	**2825**	**259058**	**116**	**108995**

* Values as of December 31, 1999

Country	Commissioning				Decommissioning			
	Tc		Tn		Tc		Tn	
	Number	MW	Number	MW	Number	MW	Number	MW
B	4	282	0	0	3	337	0	0
D	11	3171	0	67	4	461	0	0
E	58	1274	4	108	0	0	0	0
F	27	1265	0	0	2	678	0	0
GR	4	550	0	0	2	76	0	0
I	10	936	0	0	0	0	0	0
SLO	0	0	0	0	0	0	0	0
HR	1	200	0	0	0	0	0	0
JIEL	0	0	0	0	0	0	0	0
L*	0	0	0	0	0	0	0	0
NL	0	0	0	0	0	0	0	0
A*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
P	0	0	0	0	1	47	0	0
CH	0	0	0	0	0	0	0	0
UCTE	**115**	**7678**	**4**	**175**	**12**	**1599**	**0**	**0**
CZ	1	17	0	0	0	0	0	0
H *	1	32	0	0	0	0	0	0
PL *	8	392	0	0	n.a.	n.a.	0	0
SK	0	0	1	440	0	0	0	0
CENTREL	**10**	**441**	**1**	**440**	**0**	**0**	**0**	**0**
UCTE + CENTREL	**125**	**8119**	**5**	**615**	**12**	**1599**	**0**	**0**

* Values as of the year 1999

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
B	47	73	6	174	0	0	6	1164	59	1411
D	234	898	78	1648	14	1026	15	4841	341	8413
E	419	1381	124	2833	37	2485	40	10779	620	17478
F	232	991	172	4191	41	3027	58	16018	503	24227
GR	6	27	3	62	2	120	11	2881	22	3090
I	542	1795	231	5371	29	1913	39	10900	841	19979
SLO	2	18	8	222	5	296	2	242	17	778
HR	13	30	7	224	5	390	5	1431	30	2075
JIEL	6	45	20	1251	3	583	3	2014	32	3893
L *	3	20	1	11	0	0	1	1096	5	1127
NL	0	0	3	35	0	0	0	0	3	35
A *	161	475	99	2346	19	1389	26	6698	305	10908
P	12	45	14	310	6	421	15	3394	47	4170
CH	172	598	101	2442	39	2582	37	7493	349	13115
UCTE	**1849**	**6396**	**867**	**21120**	**200**	**14232**	**258**	**68951**	**3174**	**110699**
CZ	n.a.	n.a.	5	133	0	0	5	1696	10	1829
H *	9	44	0	0	0	0	0	0	9	44
PL	44	134	5	90	3	246	5	1670	57	2140
SK	29	179	36	734	10	820	6	734	81	2467
CENTREL	**82**	**357**	**46**	**957**	**13**	**1066**	**16**	**4100**	**157**	**6480**
UCTE + CENTREL	**1931**	**6753**	**913**	**22077**	**213**	**15298**	**274**	**73051**	**3331**	**117179**

* Values as of December 31, 1999

Country	Commissioning		Decommissioning	
	Number	MW	Number	MW
B	0	0	0	0
D	0	0	0	0
E	15	59	0	0
F	0	0	0	0
GR	0	0	0	0
I	29	268	5	325
SLO	0	0	0	0
HR	0	0	0	0
JIEL	0	0	0	0
L *	0	0	0	0
NL	0	0	0	0
A *	n.a.	n.a.	n.a.	n.a.
P	0	0	0	0
CH	1	1	0	0
UCTE	**45**	**328**	**5**	**325**
CZ	0	0	0	0
H *	0	0	0	0
PL *	0	0	0	0
SK	0	0	0	0
CENTREL	**0**	**0**	**0**	**0**
UCTE+ CENTREL	**45**	**328**	**5**	**325**

* Values as of the year 1999

4 UCTE – Terminology

Terminology

All explanations concerning the terms used in the UCTE statistics are available on our online terminology on the UCTE web site, www.ucte.org. Please take also a look at the Terminology Index (Statistical Yearbook 2001, page 5) for the corresponding chapters.

All explanations to the UCTE Power Balance (Table 8a and Table 8b) are also available on the UCTE web site / "Statistics/ Terms of Power Balance".

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