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T1 Net electricity production and its structure

Country	Thermal conventional TWh	Thermal conventional %	Thermal nuclear TWh	Thermal nuclear %	Hydropower TWh	Hydropower %	Total TWh	Representativity [1] %
B	34,4	42,6	45,1	55,8	1,3	1,6	80,8 [2]	99
D	348,6	66,5	155,4	29,6	20,4	3,9	524,4 [2]	94
E	125,2	55,0	59,2	26,7	43,1	18,9	227,5 [2]	94
F	44,4	8,5	420,0	80,0	60,4	11,5	524,7	97
GR	43,3	89,3	-	-	5,2	10,7	48,5 [2]	93
I	236,5	84,4	-	-	43,7	15,6	280,2	100
SLO	4,6	37,5	5,0	40,6	2,7	20,0	12,3	95
HR	7,0	58,7	-	-	4,9	41,3	11,9 [2]	100
BiH	6,7	59,6	-	-	4,5	40,4	11,2	99
FYROM	4,9	78,9	-	-	1,3	21,1	6,2 [2]	100
SCG	25,8	70,7	-	-	10,7	29,3	36,5	96
L	2,6	72,9	-	-	1,0	27,1	3,5	98
NL	88,4	95,9	3,8	4,1	-	-	92,6 [2]	100
A	17,8	36,7	-	-	30,7	63,3	48,5	84
P	24,6	60,3	-	-	16,2	39,7	40,8 [2]	92
CH	2,9	4,4	25,9	39,7	36,4	55,9	65,3 [2]	100
CZ	50,5	65,9	24,4	31,8	1,8	2,3	76,7 [2]	100
H	20,9	66,6	10,4	32,9	0,2	0,5	31,5 [2]	100
PL [3]	147,6	97,9	-	-	3,1	2,1	150,8 [2]	100
SK	8,9	30,8	16,5	57,0	3,5	12,2	28,9 [2]	100
RO	34,0	65,9	4,6	8,9	13,0	25,2	51,5 [2]	100
BG	22,2	52,0	17,3	40,4	3,3	7,6	42,8 [2]	100
UCTE	**1302,2**	**54,3**	**787,4**	**32,9**	**307,3**	**12,8**	**2396,9** [2]	
West UA [4]	7,3	98,7	-	-	0,1	1,3	7,4 [2]	100

[1] Percentage as referred to the total values of a country.
(The total values of a country are defined as the synchronously interconnected system plus the areas directly connected via AC or DC to the mainland system.)

[2] Including deliveries from industry

[3] Gross values

[4] West UA represents the so-called Burshtyn Island synchronously interconnected with UCTE

T2 Development of net production of electricity

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]	837,6	623,2	257,1	1717,9
1996	693,4	652,9	274,0	1620,3
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	1093,4	733,8	305,1	2132,3
2001	1129,8	744,4	331,6	2205,8
2002	1187,3	757,8	276,1	2221,2
2003 [3]	1302,2	787,4	307,3	2396,9

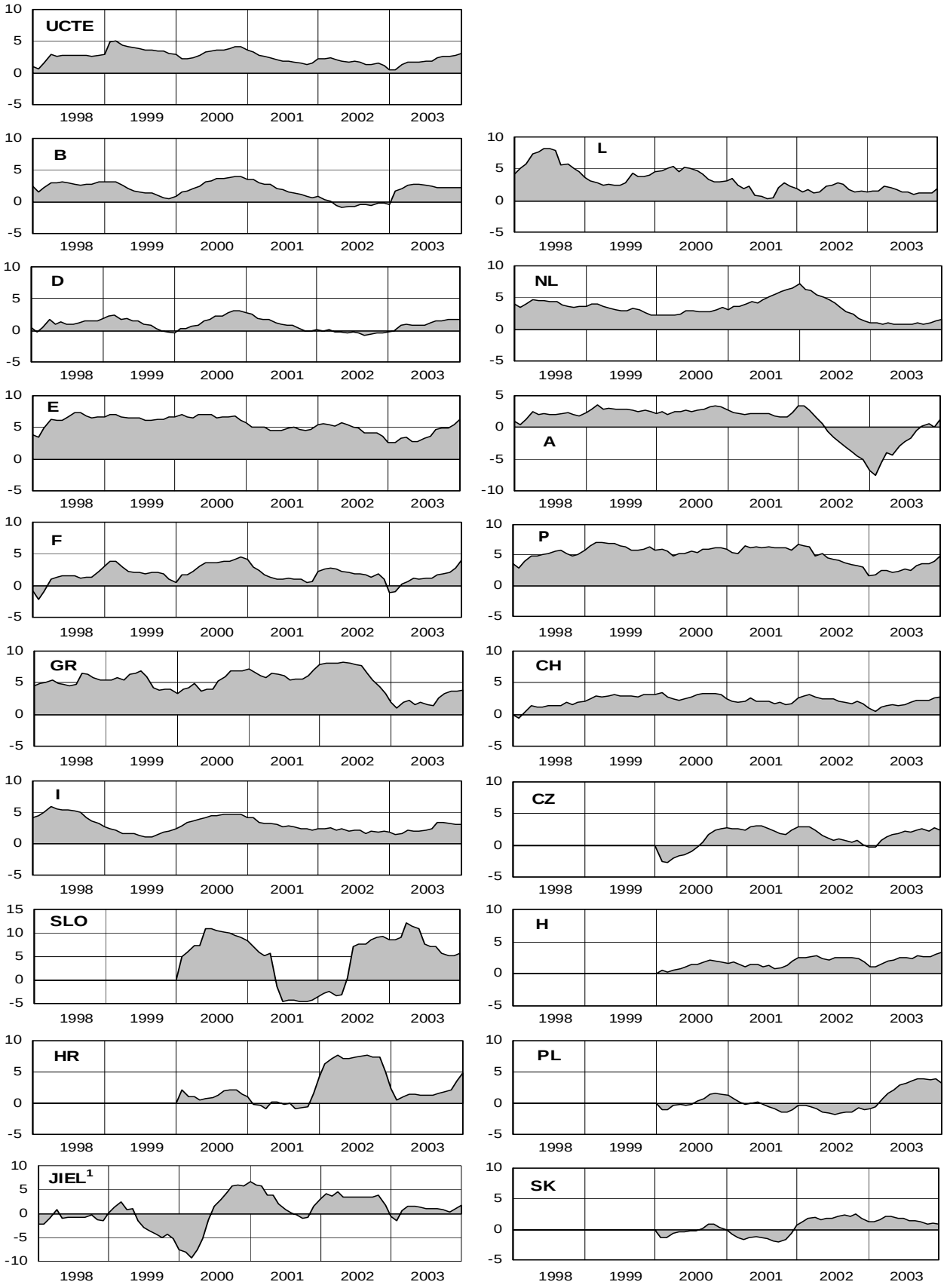
[1] As of September 1995 total German values
[2] Included values of former CENTREL countries CZ, H, PL, SK as of 1998
[3] Included values of RO, BG

T3 National electricity consumption and peak load

Country	National electricity consumption TWh	Δ %[1]	Persentage as refered total values[2] %	Peak load on the 3rd Wednesday MW	Date	Time
B	85,7	2,3	99	12824	15 January	07:00 p.m.
D	508,5	2,0	94	73500	17 December	06:00 p.m.
E	224,1	6,1	94	37163	15 January	08:00 p.m.
F	450,8	4,3	97	76656	19 February	10:00 a.m.
GR	49,8	3,8	93	8414	16 July	12:00 p.m.
I	320,7	3,3	100	51820	16 July	11:00 a.m.
SLO	12,4	5,7	95	1920	17 December	06:00 p.m.
HR	15,4	4,8	100	2618	19 February	08:00 p.m.
BiH	12,5	n.a.	99	1745	19 February	07:00 p.m.
FYROM	6,3	n.a.	100	1284	17 December	06:00 p.m.
SCG	39,6	n.a.	96	6979	19 February	08:00 p.m.
L	6,1	1,8	99	918	15 January	06:00 p.m.
NL	109,5	0,8	100	13941	17 December	06:00 p.m.
A	51,3	1,2	90	8546	17 December	06:00 p.m.
P	43,1	4,8	92	8046	15 January	09:00 p.m.
CH	59,3	2,0	100	9494	19 February	10:00 a.m.
CZ	59,9	2,3	100	9748	15 January	05:00 p.m.
H	38,4	3,3	100	5887	19 November	05:00 p.m.
PL[3]	138,3	3,3	100	22139	17 December	05:00 p.m.
SK	26,4	0,9	100	4194	17 December	05:00 p.m.
RO	49,4	n.a.	100	7542	17 December	05:00 p.m.
BG	36,7	n.a.	100	6595	19 February	08:00 p.m.
UCTE	**2343,9**	**5,7** [4]		**360698**	**19 February**	**07:00 p.m.**
West UA[5]	4,1	n.a.	100	943	15 January	07:00 p.m.

[1] As compared to the last year
[2] Percentage as referred to the total values of a country.
(The total values of a country are defined as the synchronously interconnected system plus the areas directly connected via AC or DC to the mainland system.)
[3] Gross values
[4] As compared to the values without RO and BG
[5] West UA represents the so-called Burshtyn Island synchronously interconnected with UCTE

G1 Variation of the last 12 months' consumption in %



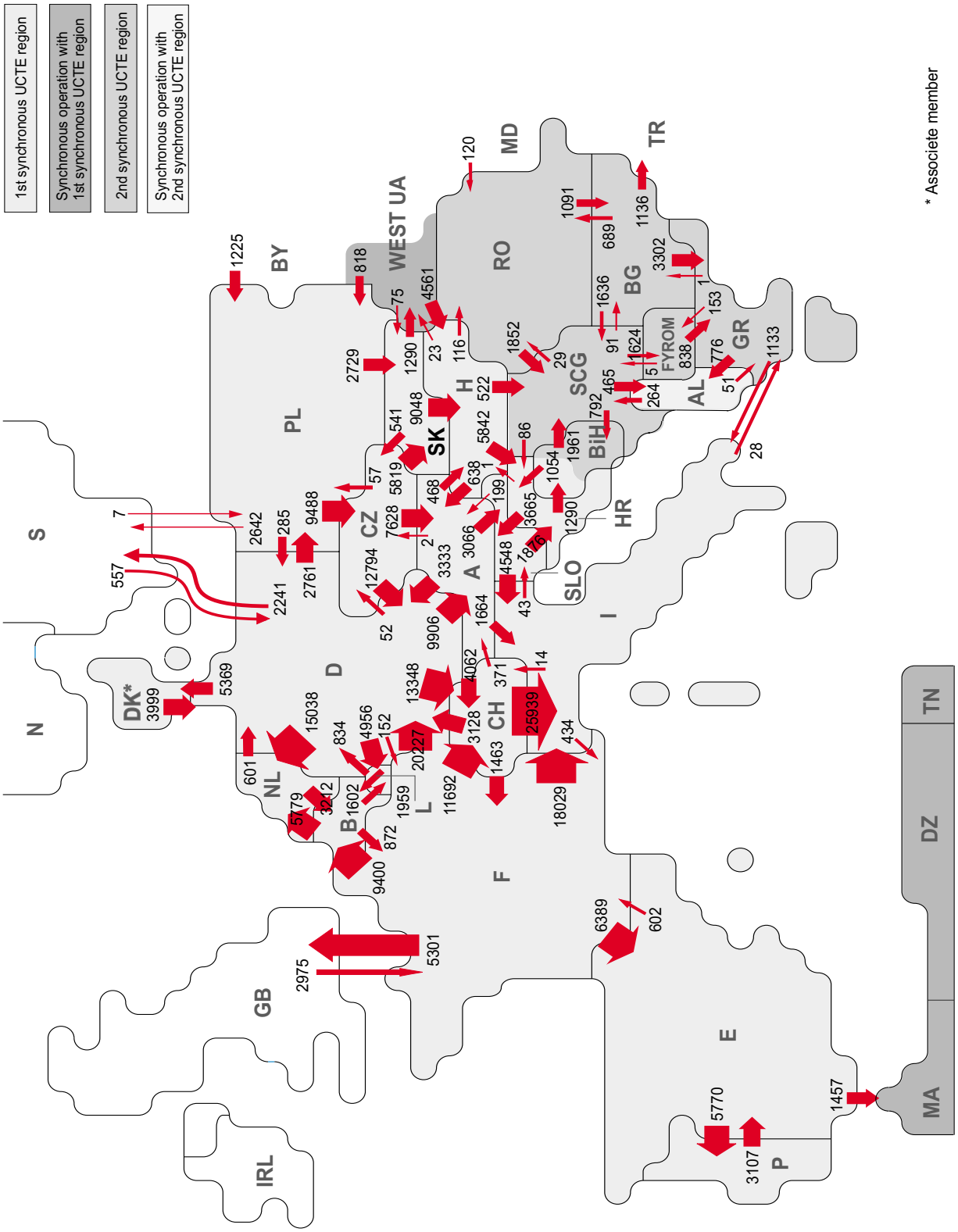
[1] JIEL = FRY + FYROM (Federal Republic of Yugoslavia and Former Yugoslav Republic of Macedonia)

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

Month	GW	Month	GW	Month	GW	Month	GW	Month	GW	Month	GW
01/1980	**190,5**	01/1984	192,0	01/1988	211,4	**01/1992**	**245,9**	**01/1996**	**305,8**	01/2000	321,0
02/1980	174,3	**02/1984**	**197,1**	02/1988	209,3	02/1992	242,8	02/1995	302,0	02/2000	312,9
03/1980	172,1	03/1984	182,5	03/1988	208,0	03/1992	219,6	03/1995	284,4	03/2000	297,4
04/1980	162,8	04/1984	174,4	04/1988	194,3	04/1992	223,0	04/1995	266,9	04/2000	293,4
05/1980	159,6	05/1984	174,4	05/1988	192,6	05/1992	208,4	05/1995	264,3	05/2000	285,5
06/1980	156,7	06/1984	169,3	06/1988	193,3	06/1992	201,7	06/1995	263,3	06/2000	296,2
07/1980	153,6	07/1984	164,0	07/1988	188,4	07/1992	205,5	07/1995	259,0	07/2000	285,4
08/1980	***139,0***	***08/1984***	***152,5***	***08/1988***	***171,3***	***08/1992***	***187,4***	***08/1995***	***241,9***	***08/2000***	***259,1***
09/1980	160,8	09/1984	175,7	09/1988	197,9	09/1992	209,3	09/1995	267,5	09/2000	290,1
10/1980	167,2	10/1984	175,2	10/1988	197,5	10/1992	226,1	10/1995	276,0	10/2000	298,7
11/1980	173,7	11/1984	187,8	11/1988	215,8	11/1992	229,5	11/1995	296,7	11/2000	316,4
12/1980	183,7	12/1984	196,6	**12/1988**	**227,7**	12/1992	235,7	12/1995	304,0	**12/2000**	**324,3**
01/1981	182,9	**01/1985**	**224,6**	**01/1989**	**232,9**	01/1993	233,0	01/1997	306,2	01/2001	332,6
02/1981	184,0	02/1985	207,5	02/1989	228,7	02/1993	242,9	02/1997	291,8	02/2001	317,2
03/1981	175,8	03/1985	196,6	03/1989	218,4	03/1993	223,6	03/1997	279,2	03/2001	310,8
04/1981	159,0	04/1985	182,1	04/1989	215,7	04/1993	210,4	04/1997	279,8	04/2001	308,5
05/1981	159,2	05/1985	175,4	05/1989	203,3	05/1993	205,3	05/1997	266,4	05/2001	290,0
06/1981	161,0	06/1985	177,2	06/1989	205,8	06/1993	199,8	06/1997	267,0	06/2001	296,3
07/1981	155,2	07/1985	172,3	07/1989	197,0	07/1993	203,0	07/1997	263,1	07/2001	291,5
08/1981	***138,3***	***08/1985***	***157,9***	***08/1989***	***179,2***	***08/1993***	***190,7***	***08/1997***	***243,6***	***08/2001***	***242,8***
09/1981	164,8	09/1985	180,2	09/1989	203,3	09/1993	213,2	09/1997	266,3	09/2001	296,6
10/1981	170,6	10/1985	184,2	10/1989	207,4	10/1993	224,1	10/1997	283,6	10/2001	300,3
11/1981	181,1	11/1985	209,8	11/1989	225,3	11/1993	228,4	11/1997	293,9	11/2001	329,5
12/1981	**191,3**	12/1985	205,2	12/1989	223,3	**12/1993**	**245,6**	**12/1997**	**316,0**	**12/2001**	**343,4**
01/1982	187,3	01/1986	206,1	01/1990	233,5	**01/1994**	**254,4**	**01/1998**	**313,9**	01/2002	336,2
02/1982	190,4	**02/1986**	**215,1**	02/1990	214,3	02/1994	243,5	02/1998	294,4	02/2002	323,8
03/1982	181,7	03/1986	192,7	03/1990	209,7	03/1994	223,9	03/1998	294,1	03/2002	305,0
04/1982	170,9	04/1986	192,8	04/1990	219,6	04/1994	227,3	04/1998	292,0	04/2002	306,1
05/1982	162,4	05/1986	182,6	05/1990	204,4	05/1994	215,2	05/1998	265,4	05/2002	290,7
06/1982	164,6	06/1986	182,3	06/1990	207,5	06/1994	213,6	06/1998	271,0	06/2002	305,0
07/1982	151,6	07/1986	176,7	07/1990	204,8	07/1994	212,8	07/1998	267,8	07/2002	292,7
08/1982	***138,5***	***08/1986***	***161,7***	***08/1990***	***164,0***	***08/1994***	***193,8***	***08/1998***	***252,0***	***08/2002***	***268,0***
09/1982	164,3	09/1986	190,8	09/1990	209,8	09/1994	221,1	09/1998	280,0	09/2002	294,5
10/1982	168,5	10/1986	185,3	10/1990	210,8	10/1994	223,8	10/1998	289,3	10/2002	303,8
11/1982	178,8	11/1986	199,2	11/1990	226,6	11/1994	227,9	11/1998	308,9	11/2002	327,3
12/1982	**190,8**	12/1986	207,6	**12/1990**	**249,4**	12/1994	243,9	12/1998	311,5	**12/2002**	**344,4**
01/1983	187,7	**01/1987**	**231,7**	01/1991	244,3	01/1995	254,6	01/1999	307,3	01/2003	361,7
02/1983	**197,6**	02/1987	215,6	02/1991	242,5	02/1995	235,4	02/1999	313,8	**02/2003**	**369,2**
03/1983	180,8	03/1987	208,1	03/1991	214,9	03/1995	237,6	03/1999	291,4	03/2003	328,1
04/1983	172,1	04/1987	195,9	04/1991	216,6	04/1995	227,1	04/1999	285,7	04/2003	314,0
05/1983	167,4	05/1987	193,1	05/1991	214,0	05/1995	223,6	05/1999	273,0	05/2003	313,9
06/1983	165,2	06/1987	189,8	06/1991	211,5	06/1995	220,3	06/1999	280,1	06/2003	319,1
07/1983	158,3	07/1987	188,2	07/1991	208,4	07/1995	220,2	07/1999	277,2	07/2003	318,3
08/1983	***141,0***	***08/1987***	***167,0***	***08/1991***	***189,7***	***08/1995***	***189,6***	***08/1999***	***255,1***	***08/2003***	***288,7***
09/1983	168,3	09/1987	193,4	09/1991	208,9	09/1995	232,7	09/1999	278,0	09/2003	309,5
10/1983	170,5	10/1987	196,5	10/1991	214,5	10/1995	265,4	10/1999	296,2	10/2003	320,4
11/1983	184,3	11/1987	204,7	11/1991	237,5	11/1995	285,4	11/1999	308,5	11/2003	338,1
12/1983	188,7	12/1987	216,1	**12/1991**	**245,3**	**12/1995**	**300,4**	**12/1999**	**319,1**	12/2003	356,9

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

G2 | **Physical energy flows 2003 in GWh**



T5a Development of physical exchanges on tie lines

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

[1] import + export
[2] As of September 1995 total German values
[3] From year 2001 sum of exchanges include CENTREL countries CZ, H, PL SK
[4] From year 2003 sum of exchanges include RO and BG

Control area	Export Programs	Import Programs	Export Programs at 03:00	Import Programs at 03:00	Export Programs at 11:00	Import Programs at 11:00
B	5676225	11693966	6307	12137	6208	16751
D	33506977	33357742	45159	36936	42311	59193
E	6125265	6897400	7726	11844	9857	9508
F	88956502	24270942	112242	26757	119819	48063
GR	1320589	3482981	1662	4252	1175	5618
I	519719	51305088	0	67726	123	70302
SLO	5575468	5969070	7642	8244	7802	8693
HR	2097362	5899886	3758	6704	2963	6491
BiH	1163000	1487000	2880	1814	3242	1680
FYROM [1]	70758	619565	421	811	182	1222
SCG	4133271	7306193	5018	7855	5456	10847
NL	4684721	20426902	9937	22011	5732	35322
A	10657165	5065586	11929	9241	11242	10534
P	1632755	4432514	1676	5652	6818	7938
CH	28418349	26707966	31008	45837	46359	26537
CZ	23184400	6574420	31840	6958	32209	12622
H	4500391	11436526	6921	14369	6328	17463
PL	12229689	1776397	12162	2385	24432	1940
SK	7306124	4437040	8895	5038	11212	8015
RO	3007024	681920	2956	583	5490	698
BG	5510	70	7057	78	8293	41
West UA [2]	3272812	0	4253	0	5072	0

[1] Values only as of January, May, August, October, November and December 2003
[2] West UA represents the so-called Burshtyn Island synchronously interconnected with UCTE

- Control areas can differ from national borders (i.e. German block which includes parts of A, L and DK).

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

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

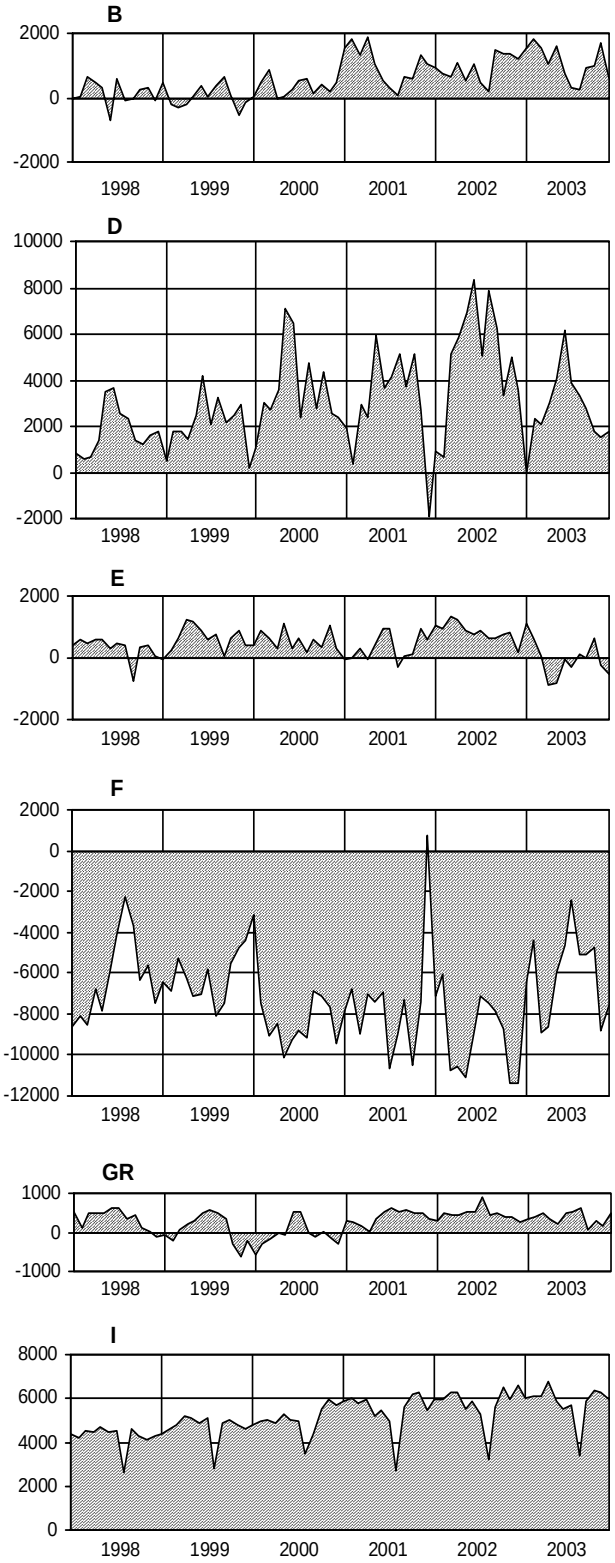
- Export Programs: Sum of all positive values of every hour of every border
- Import Programs: Sum of all negative values of every hour of every border

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

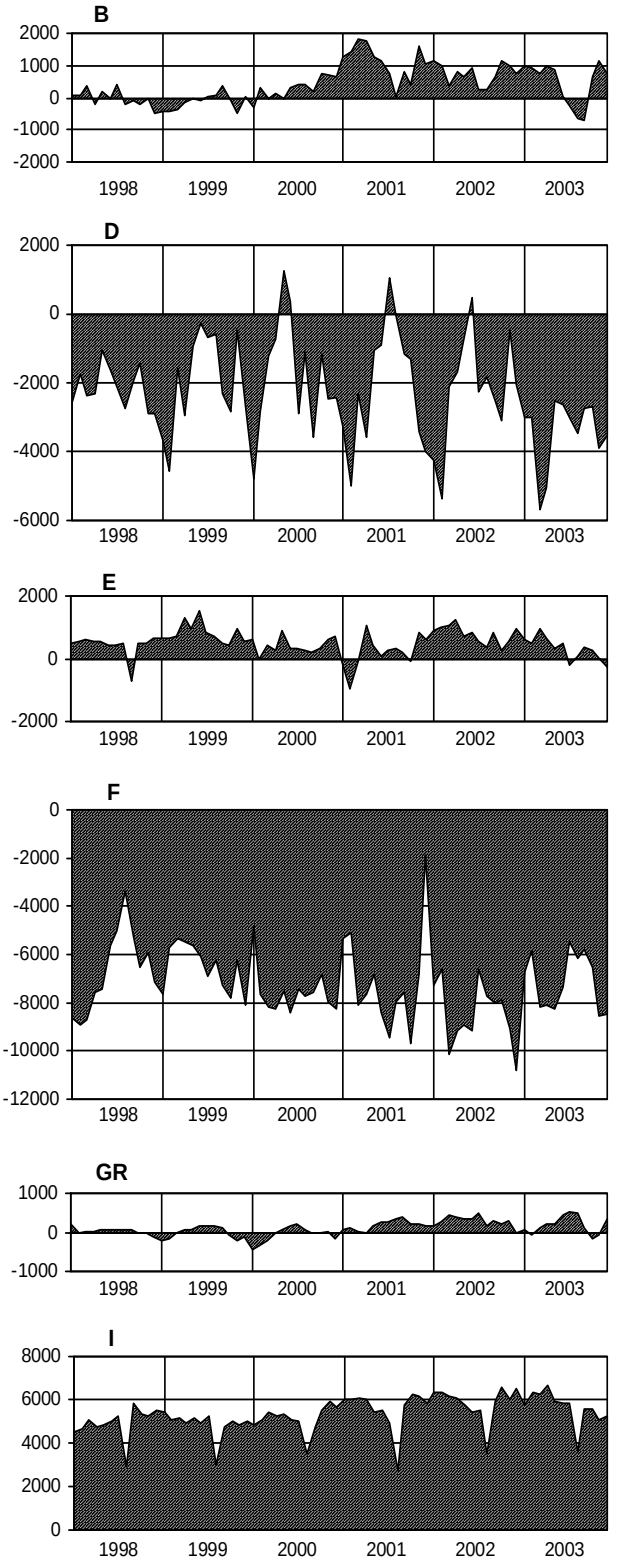
- Export Programs at 11:00: Sum of all positive values the third Wednesday from 10:00 to 11:00 a.m.
- Import Programs at 11:00: Sum of all negative values the third Wednesday from 10:00 to 11:00 a.m

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

11:00 Day load in MW [1]



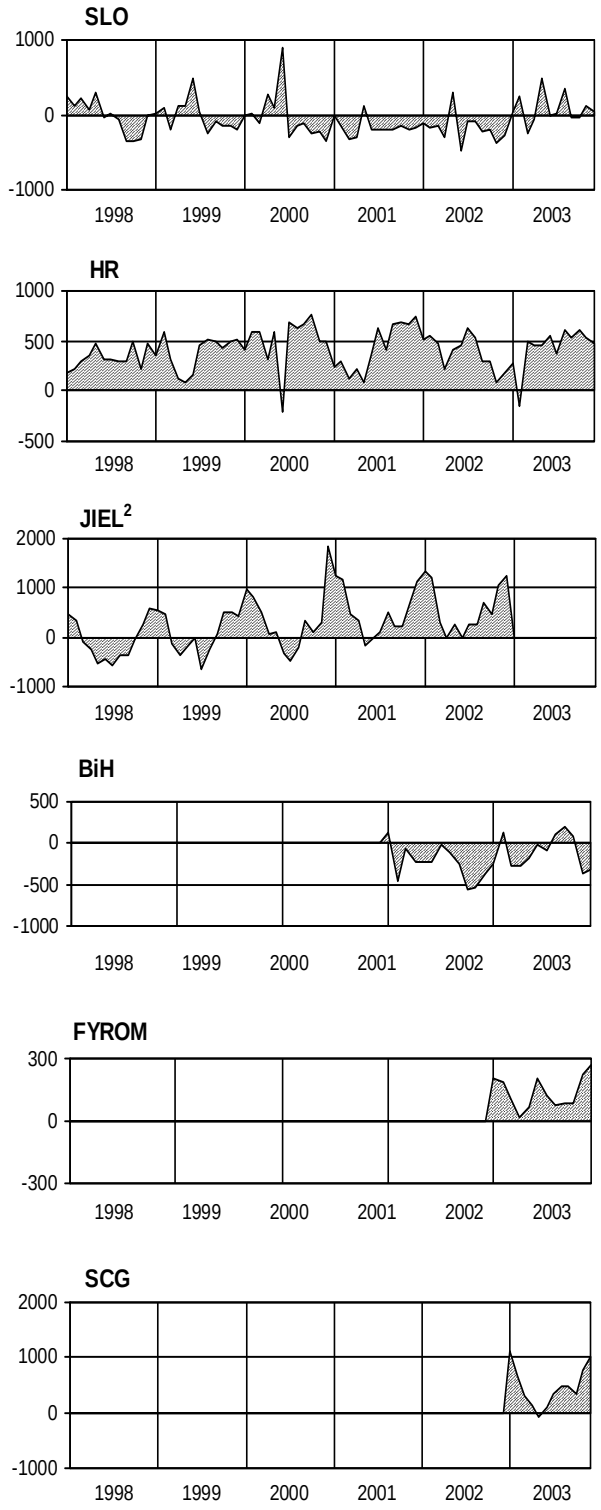
03:00 Night load in MW [1]



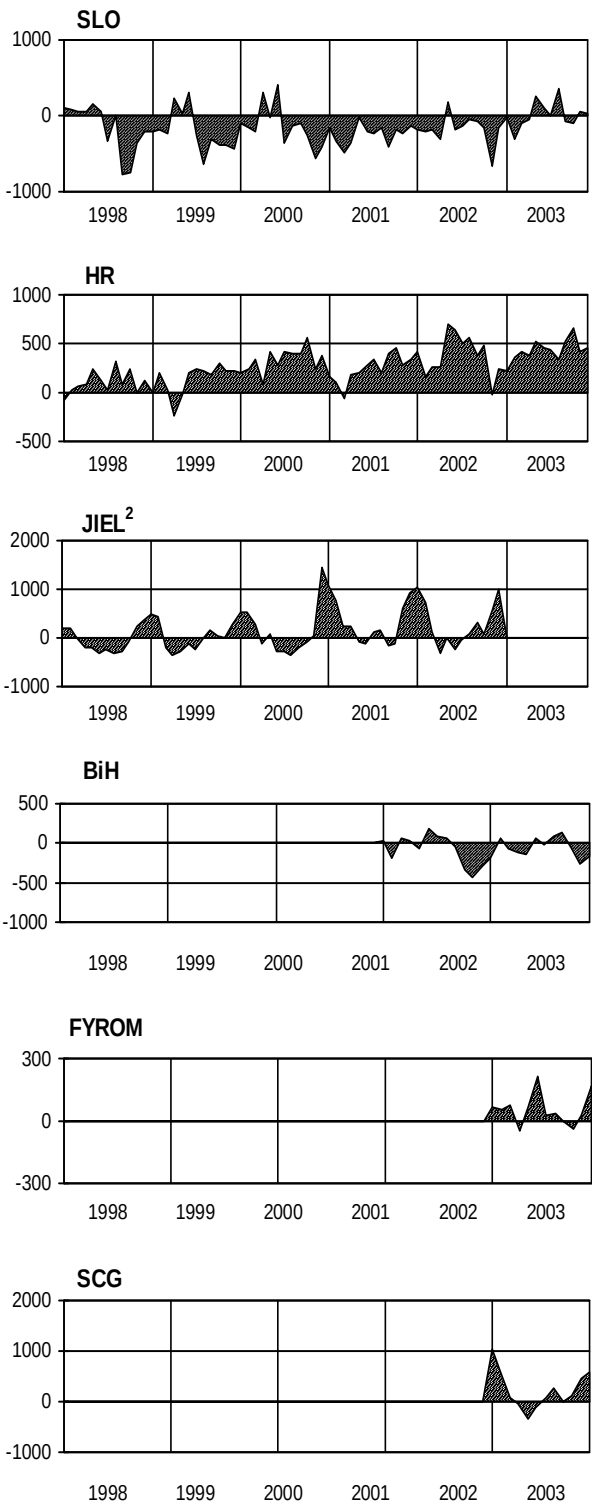
[1] On the third Wednesday of each month

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

11:00 Day load in MW [1]



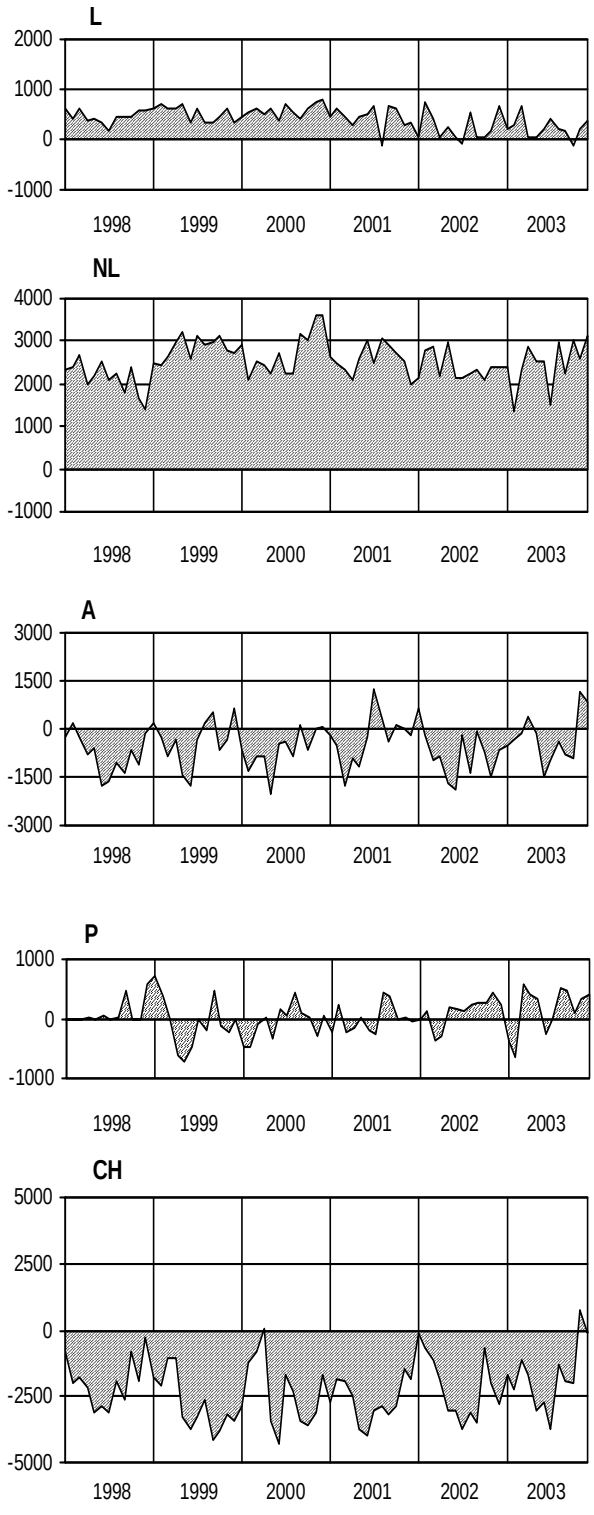
03:00 Night load in MW [1]



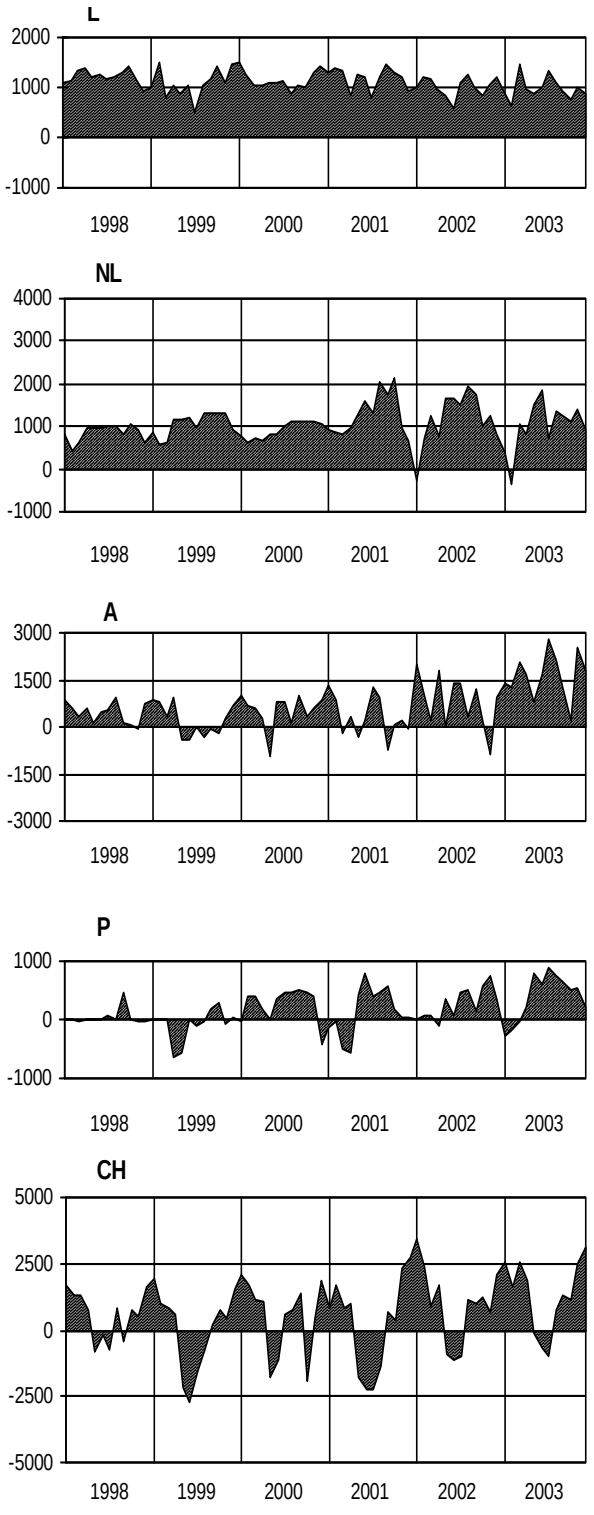
[1] On the third Wednesday of each month [2] JIEL = FRY + FYROM (Federal Republic of Yugoslavia and former Yugoslav Republic of Macedonia)

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

11:00 Day load in MW [1]



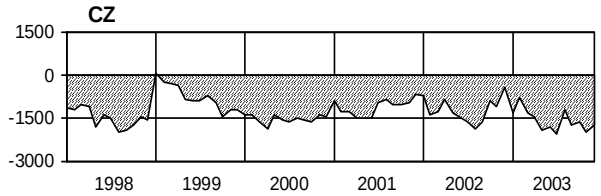
03:00 Night load in MW [1]

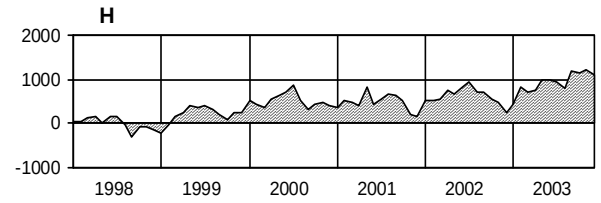


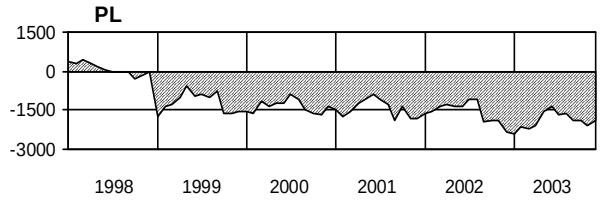
[1] On the third Wednesday of each month

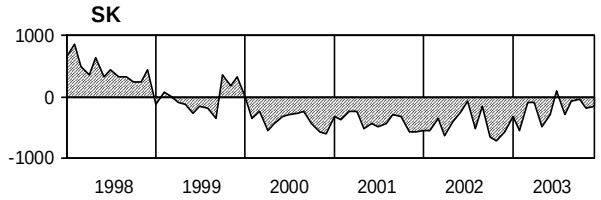
G3 Balance of the simultaneous power flows across the frontiers of the UCTE countries

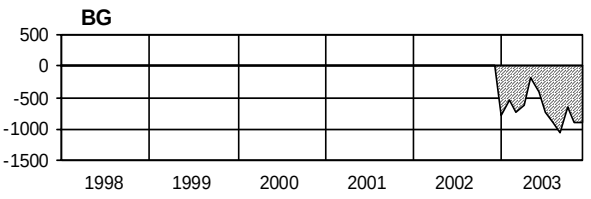
11:00 Day load in MW [1]

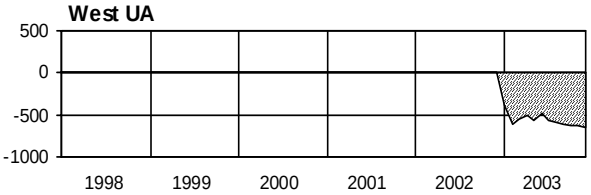




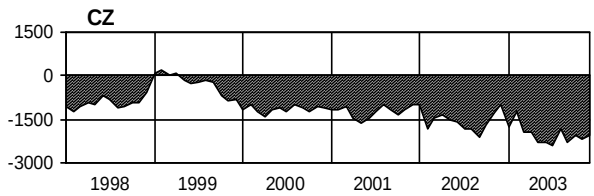


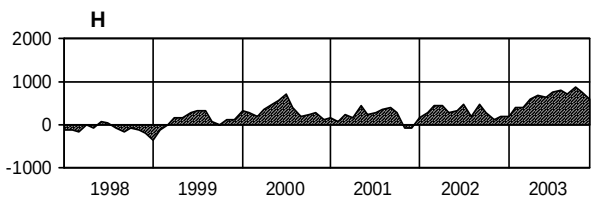


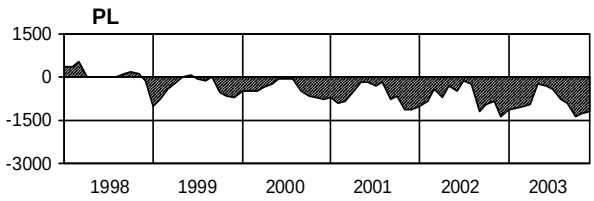


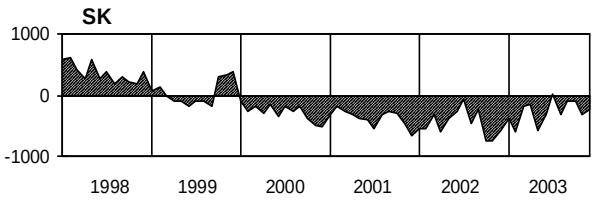


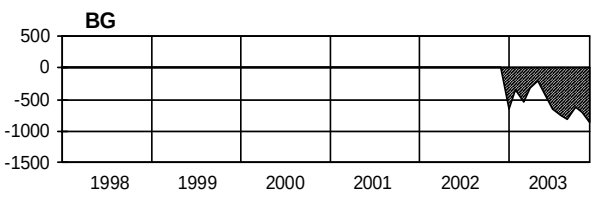
03:00 Night load in MW [1]

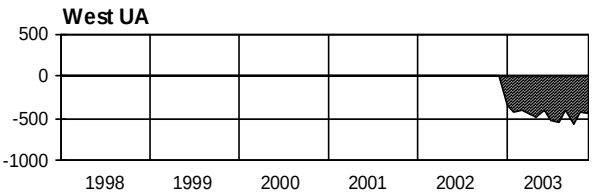












[1] On the third Wednesday of each month

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

MW

Date	Night	Day
I.1998	14498	12665
II.1998	14077	12457
III.1998	15127	14003
IV.1998	15060	11820
V.1998	12988	14568
VI.1998	13487	14015
VII.1998	13226	12632
VIII.1998	10930	10229
IX.1998	13813	11983
X.1998	13956	11240
XI.1998	14013	11074
XII.1998	15789	11750
I.1999	17246	12177
II.1999	16764	12562
III.1999	14455	12929
IV.1999	16866	15351
V.1999	12400	15475
VI.1999	12526	15400
VII.1999	12755	15345
VIII.1999	9854	13951
IX.1999	14241	16205
X.1999	14959	14752
XI.1999	13756	13180
XII.1999	15628	10459
I.2000	17024	11724
II.2000	17664	14630
III.2000	17267	15400
IV.2000	16786	15903
V.2000	12996	18659
VI.2000	14341	18620
VII.2000	16139	15145
VIII.2000	13993	16018
IX.2000	15786	14995
X.2000	13951	16251
XI.2000	17709	16831
XII.2000	18891	17040

Date	Night	Day
I.2001	19241	15530
II.2001	20576	16165
III.2001	19726	17651
IV.2001	19632	15559
V.2001	15655	17735
VI.2001[2]	21017	24715
VII.2001	19222	25324
VIII.2001	17476	22151
IX.2001	24340	23573
X.2001	24983	25279
XI.2001	28571	24405
XII.2001	27423	21122
I.2002	28647	23600
II.2002	28364	24882
III.2002	23176	25924
IV.2002	25500	24720
V.2002	22660	26484
VI.2002	21746	24905
VII.2002	23635	24549
VIII.2002	21967	23121
IX.2002	26098	22894
X.2002	24076	24634
XI.2002	22212	25754
XII.2002	27435	25747
I.2003[3]	28921	24641
II.2003	24316	22212
III.2003	29221	26150
IV.2003	28527	26909
V.2003	25320	24900
VI.2003	25915	25054
VII.2003	24493	20980
VIII.2003	24256	22918
IX.2003	26076	24320
X.2003	23730	23139
XI.2003	29334	29503
XII.2003	28642	28666

[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 the power flows include CENTREL countries CZ, H, PL and SK,
[3] From year 2003 the power flows include RO and BG

T7 Maximum output capacity on 31 December 2003

Country	Thermal conventional MW	Thermal conventional D%[2]	Thermal nuclear MW	Thermal nuclear D%[2]	Hydropower MW	Hydropower D%[2]	Other sources MW	Other sources D%[2]	Total MW	Total D%[2]	Representativity [1] %
B	8206	-0,2	5801	0,7	1413	0,0	248	11,2	15658	0,3	99
D	67000	-1,8	20100	-2,9	8500	0,0	4500	12,5	100100	-1,3	90
E	27615	1,6	7694	1,6	18209	3,1	5284	7,3	58802	2,8	100
F	23172	-1,2	63363	0,1	24020	-0,4	297	13,4	110852	-0,4	97
GR	7065	4,3	-	-	3059	-0,1	354	101,2	10478	3,5	89
I	56047	2,6	-	-	20660	0,7	1543	6,6	78250	2,2	100
SLO	1262	17,5	670	-2,2	840	8,5	-	-	2772	9,4	100
HR	1670	2,4	-	-	2071	-0,2	-	-	3741	0,9	100
BiH	1957	0,0	-	-	2034	0,0	-	-	3991	0,0	99
FYROM	907	n.a.	-	-	418	n.a.	-	-	1325	n.a.	100
SCG	6400	n.a.	-	-	3497	n.a.	-	-	9897	n.a.	96
L	474	1,7	-	-	1128	0,0	43	115,0	1645	5,1	96
NL	18045	0,5	449	0,0	37	0,0	2028	6,7	20559	1,1	100
A	5900	0,0	-	-	11700	0,0	670	157,7	18270	2,3	100
P	5723	5,6	-	-	4554	2,7	387	28,0	10664	4,2	92
CH	305	0,0	3220	0,0	13295	0,0	515	0,0	17335	0,0	100
CZ	10526	0,2	3537	36,7	2128	0,2	11	83,3	16202	6,5	100
H	5657	0,2	1755	-1,0	48	0,0	538	-2,7	7998	1,9	100
PL	29451	1,0	-	-	2192	2,7	73	23,7	31716	1,1	100
SK	2290	-0,3	2640	0,0	2429	-0,1	700	0,6	8059	-0,1	100
RO	9775	-8,5	655	0,0	5970	0,6	-	-	16400	-5,1	100
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
UCTE [3]	**289447**	**0,2**	**109884**	**0,4**	**128202**	**0,8**	**17191**	**9,2**	**544724**	**0,7**	
West UA [4]	2347	n.a.	-	-	27	n.a.	-	2374	n.a.	100	

[1] Percentage as referred to the total values of a country
(The total values of a country are defined as the synchronously interconnected system plus the areas directly connected via AC or DC to the mainland system.)
[2] As compared to the last year
[3] Without Bulgarian values
[4] West UA represents the so-called Burshtyn Island synchronously interconnected with UCTE

T8a

UCTE System Adequacy Retrospect 2003, Power Data

net values at the refence time 11:00 a.m. on the 3rd Wednesday every month

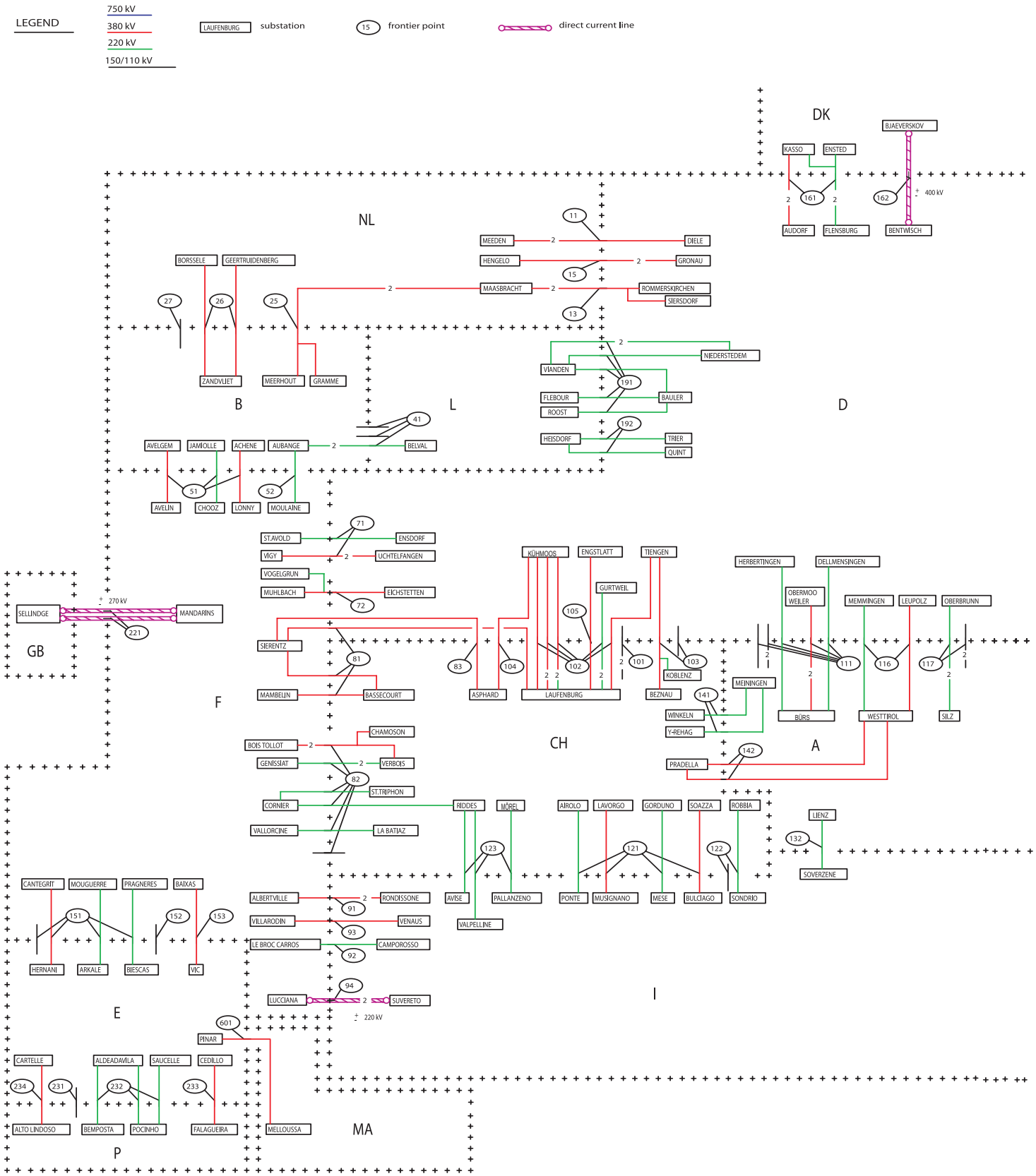
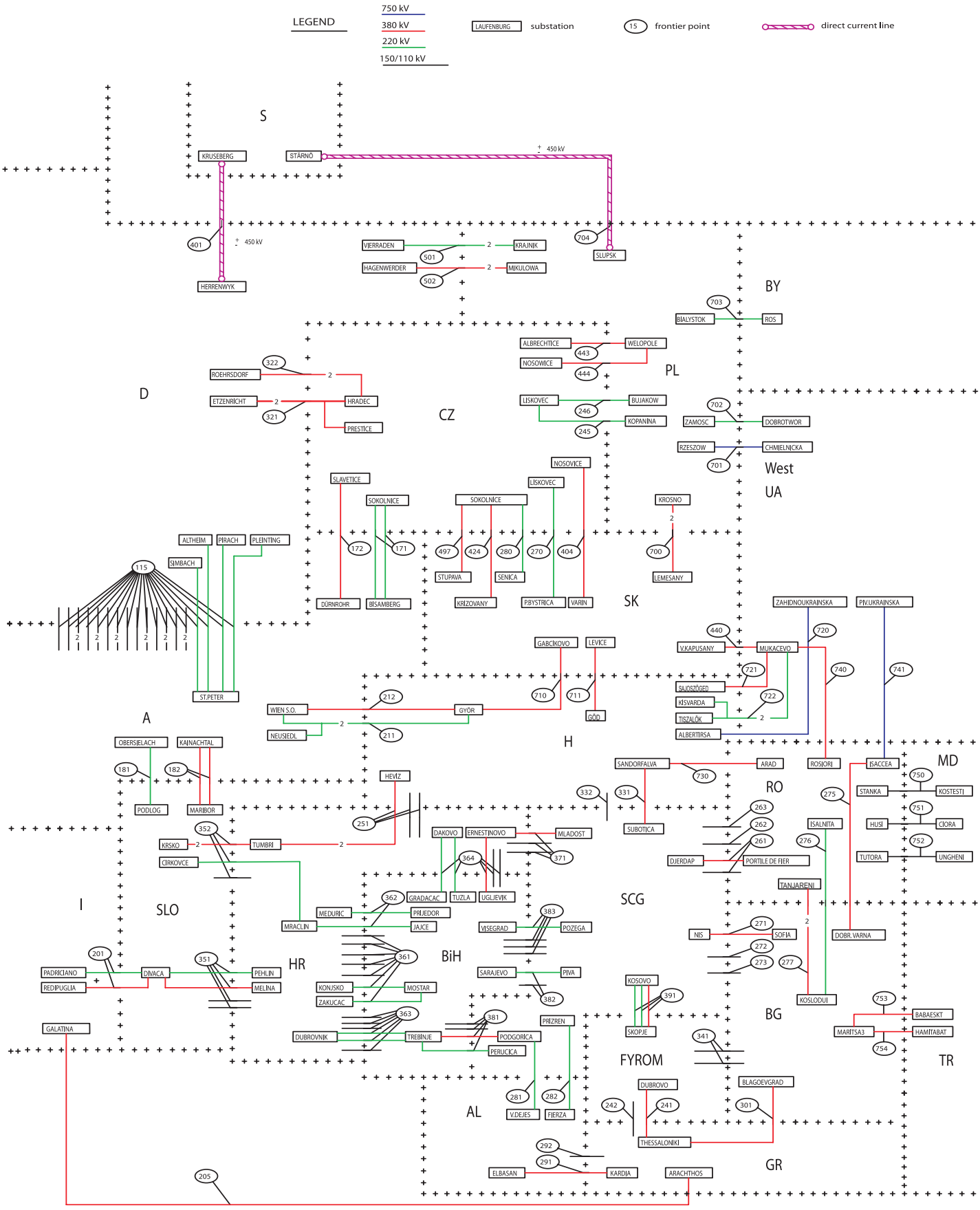
Values in GW

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
National generating capacity												
1. Hydro power stations	129.4	129.4	129.4	129.4	129.5	129.5	129.8	129.8	129.8	129.8	129.8	129.9
2. Nuclear power stations	112.8	112.8	112.8	112.8	113.7	113.7	113.7	113.7	113.7	113.7	113.1	113.1
3. Conventional thermal power stations	294.8	295.2	295.2	295.8	295.9	296.8	297.1	297.2	298.0	297.8	298.1	298.4
4. Renewable energy sources	21.8	22.1	22.4	22.7	22.9	23.3	23.6	23.9	24.2	24.6	25.0	25.7
5. Not clearly identifable energy sources	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
6. National generating capacity (6 = 1+2+3+4+5)	**560.6**	**561.4**	**561.7**	**562.6**	**563.9**	**565.1**	**566.1**	**566.5**	**567.5**	**567.7**	**567.9**	**569.1**
7. Non-usable capacity	84.8	87.6	98.6	103.5	102.0	106.9	111.4	111.9	108.1	97.5	95.3	92.5
8. Overhauls (thermal power stations)	15.7	20.1	29.6	38.1	48.8	47.6	46.1	44.8	47.6	37.9	23.8	11.8
9. Outages (thermal power stations)	14.3	14.1	19.3	20.7	24.1	21.5	22.2	30.2	18.5	20.0	18.6	18.8
10.System services reserve	32.0	29.0	30.1	29.6	27.6	27.9	26.3	27.5	27.0	29.8	31.5	32.4
11.Guaranteed capacity (11 = 6-(7+8+9+10))	**413.8**	**410.6**	**385.0**	**371.4**	**362.0**	**362.2**	**360.8**	**353.0**	**367.2**	**383.2**	**399.3**	**414.2**
12.Load	**353.7**	**355.5**	**313.5**	**300.7**	**300.0**	**307.4**	**307.0**	**277.7**	**298.5**	**310.5**	**328.8**	**348.2**
13.Margin against monthly peak load	27.1	13.9	29.8	38.0	15.0	20.5	21.2	37.5	23.6	39.7	29.4	29.6
14.Remaining capacity without exchanges (14 = 11-12)	**60.2**	**55.1**	**71.5**	**70.7**	**62.0**	**54.9**	**53.8**	**75.3**	**68.7**	**72.7**	**70.5**	**66.0**
Physical exchanges												
15.Import	35.0	33.2	34.7	35.4	35.4	38.3	31.3	32.0	33.5	36.2	41.2	37.7
16.Export	32.9	30.4	34.9	36.7	30.8	31.5	30.0	28.3	30.6	31.4	39.1	36.1
17.**Physical exchange balance (17=15-16)**	**2.1**	**2.8**	**- 0.2**	**- 1.3**	**4.6**	**6.9**	**1.4**	**3.7**	**2.6**	**5.2**	**2.1**	**1.6**
18.Remaining capacity with exchange (18=14+17)	**62.3**	**57.9**	**71.3**	**69.4**	**66.6**	**61.7**	**55.2**	**79.0**	**71.3**	**77.9**	**72.6**	**67.7**

T8b | **UCTE System Adequacy Retrospect 2003, Energy Data** | **Values in GWh**

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
National generation												
1. Hydro power stations	36534	30144	28571	25189	29624	26743	23304	19886	17153	21368	22245	25638
2. Nuclear power stations	74429	67049	67316	63867	60459	58455	62274	58596	60622	67174	69693	76107
3. Conventional thermal power stations	112177	108400	107748	97254	91569	95040	103173	100188	103280	111680	109482	111934
4. Renewable energy sources	3384	2748	2747	3006	2740	2470	2657	2475	2392	2845	3012	3190
5. Not clearly identifable energy sources	854	717	712	734	743	682	663	575	624	822	822	862
6. National generation (6 = 1+2+3+4+5)	**227378**	**209059**	**207094**	**190049**	**185135**	**183390**	**192072**	**181720**	**184071**	**203890**	**205255**	**217732**
Physical exchanges	**413.8**	**410.6**	**385.0**	**371.4**	**362.0**	**362.2**	**360.8**	**353.0**	**367.2**	**383.2**	**399.3**	**414.2**
7. Import	23761	21681	23919	22760	21641	22058	22644	20523	22571	23247	23776	24130
8. Export	25721	22747	25497	24050	23129	22254	22938	21702	22536	23581	24705	26717
9. Physical exchange balance (9 = 7- 8)	**- 1960**	**- 1066**	**- 1577**	**- 1291**	**- 1488**	**- 196**	**- 294**	**- 1179**	**35**	**- 333**	**- 929**	**- 2587**
10. National demand (10 = 6+9)	**225418**	**207993**	**205517**	**188758**	**183647**	**183194**	**191778**	**180542**	**184105**	**203556**	**204326**	**215145**
11. Pumped storage	3512	2959	3531	3273	3538	3633	3777	4070	3576	3626	3751	3970
12. Consumption (12 = 10-11)	**221907**	**205034**	**201986**	**185486**	**180109**	**179561**	**188001**	**176472**	**180530**	**199930**	**200574**	**211175**

UCTE Cross-fontier lines as of 31 December 2003



UCTE Cross-fontier lines as of 31 December 2003