

Monthly statistics



April 2015

European Network of
Transmission System Operators
for Electricity

entsoe

Monthly provisional values as of 1 September 2015

Data Expert Group

Monthly statistics - April 2015

Data Expert Group

Monthly provisional values from the ENTSO-E statistical database as of 1 September 2015.

Table of contents

1. Electricity supply situation of the countries	4
2. Physical energy flows	5
3. Overview of the detailed physical energy flows	6
4. Load flows (night) on at 03:00 a.m. CET	7
5. Load flows (day) on at 11:00 a.m. CET	8
6. Unavailability of international tie lines	9
7. Supply interruption	11
8. Highest and lowest load values of the month	12
9. Water reservoirs Nordic	14
10. Appendix: Data sources and references	15

General remarks and abbreviations used in the tables

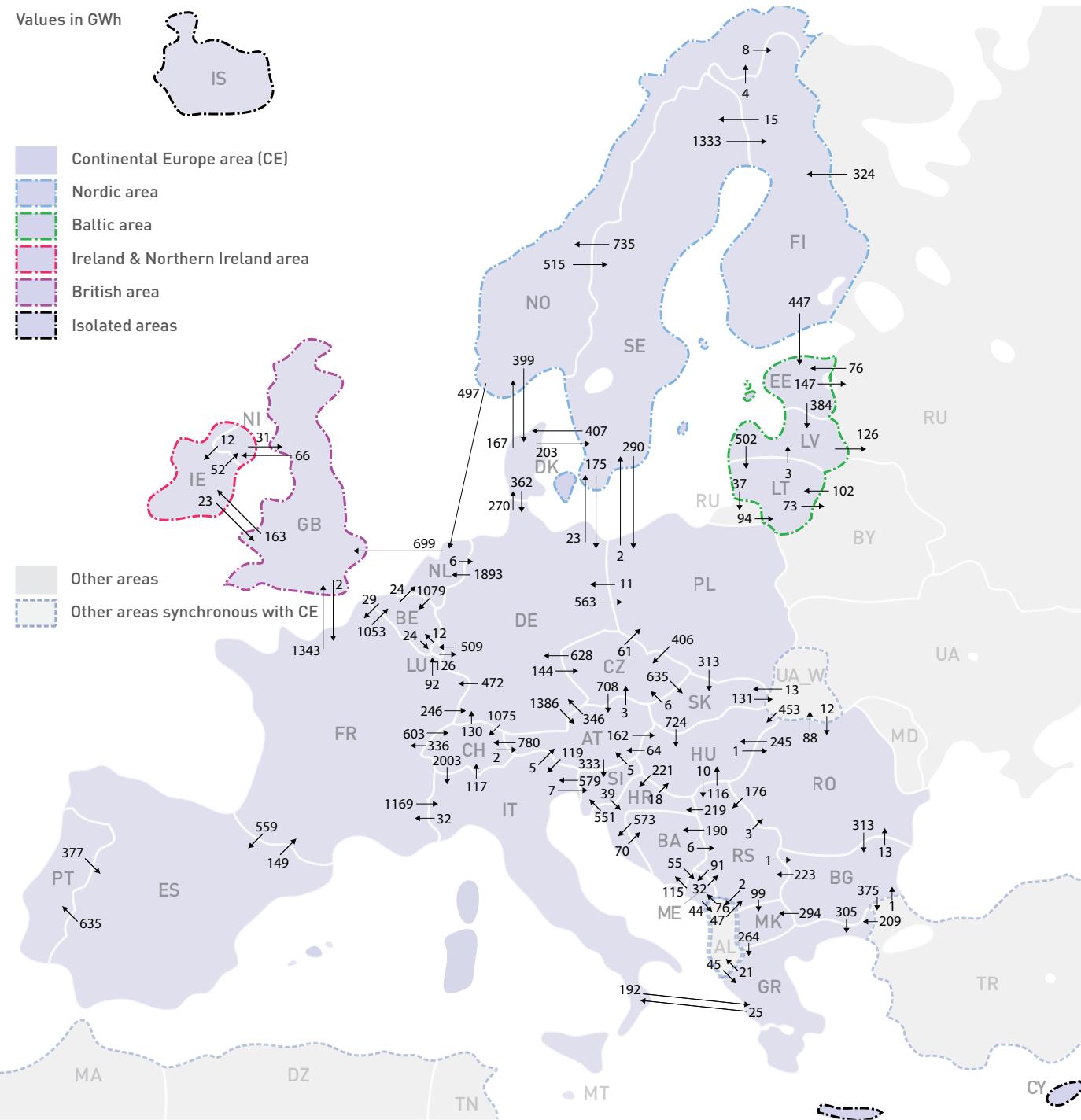
- Definitions of terms used in this report are available at <https://emr.entsoe.eu/>.
- All values of generation and consumption on page 4, 11 and 12 are calculated to represent 100% of the national values.
- All data with the country code GB represents monthly statistical data as sum of England, Scotland and Wales.
- All data with the country code NI represents the monthly statistical data of the Northern Ireland.
- CET: Central European Time.

1. Electricity supply situation of the countries

	Nuclear	Net generation (GWh)												Exch. Balance (GWh)	Pumping (GWh)	Consumption					
		Fossil fuels						Hydro power			Renewables				Not clearly identifiable	Σ	(GWh)	var. (Compared to (%) 1 year before)			
		Σ	Lignite	Hard coal	Gas	Oil	Mixed	Other	Σ	Renew.	Other	Σ	Wind	Solar	Biomass	Other					
AT	-	982	-	281	433	43	-	225	3 200	2 932	268	683	445	-	-	238	719	5 584	341	383	5 542 -1.9
BA	-	510	510	-	-	-	-	-	696	696	-	-	-	-	-	-	-	1 206	-260	0	946 0.4
BE ¹	1 719	1 809	-	310	1 497	2	-	-	108	33	75	1 197	301	393	503	-	-	4 833 ³	2 065	101	6 797 0.9
BG ¹	909	1 682	1 505	70	107	-	-	-	682	657	25	309	153	144	12	-	-	3 582	-902	41	2 639 4.8
CH	2 010	160	-	-	-	-	-	160	2 704	-	2 704	185	11	-	-	174	-	5 059 ³	93	136	5 016 1.9
CY	-	261	-	-	-	261	-	-	-	-	-	22	22	-	-	-	-	283	0	0	283 1.8
CZ	2 165	3 589	2 846	376	354	3	-	10	361	258	103	690	51	271	166	202	-	6 805 ³	-1 471	134	5 200 2.7
DE ²	7 214	23 717	11 402	8 830	2 253	113	1 119	-	2 343	1 660	683	12 362	4 659	4 427	3 160	116	-	45 636 ³	-4 306	674	40 656 -1.3
DK	-	943	-	622	315	6	-	-	2	2	-	1 361	1 070	84	207	-	-	2 306 ³	0	0	2 306 -12.9
EE ⁴	-	554	-	-	-	-	-	554	4	4	-	130	58	-	72	-	-	688	-9	0	679 4.3
ES	4 689	7 524	229	2 813	3 698	784	-	-	2 788	2 507	281	5 408	3 933	1 142	333	-	112	20 521	-295	406	19 820 -0.2
FI	1 957	1 216	-	480	479	15	242	-	1 269	1 269	-	1 048	155	-	893	-	69	5 559	1 195	0	6 754 -0.2
FR	31 187	1 765	-	548	991	226	-	-	5 733	5 364	369	2 792	1 445	810	537	-	-	41 477 ³	-4 079	528	36 870 1.3
GB ¹	5 259	15 352	-	7 663	6 000	-	-	-	617	322	209	3 328	1 431	-	-	-	-	24 556	1 818	277	26 097 -0.8
GR	-	1 416	1 142	-	274	-	-	-	635	101	534	762	291	345	18	108	-	2 813	968	9	3 772 5.3
HR	-	285	-	193	73	16	3	-	564	564	-	77	77	-	-	-	-	926	407	19	1 314 2.4
HU	1 046	475	278	53	140	4	-	-	26	26	-	248	89	1	124	34	-	1 795	1 423	0	3 218 2.5
IE	-	1 620	158	525	928	3	-	6	77	58	19	397	377	-	-	20	-	2 094	100	40	2 154 3.3
IS	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.
IT	-	11 330	-	2 684	6 396	291	1 959	-	3 770	3 663	107	5 802	1 483	2 520	1 315	484	-	20 902	3 454	187	24 169 0.9
LT	-	147	-	-	121	-	6	20	91	42	49	114	71	8	35	-	-	352	585	64	873 2.9
LU	-	38	-	-	38	-	-	-	137	10	127	19	6	9	4	-	7	201	486	171	516 2.8
LV	-	106	-	-	51	-	55	-	402	402	-	69	12	-	27	30	-	577	12	0	589 3.3
ME	-	109	109	-	-	-	-	-	121	-	121	-	-	-	-	-	-	230	31	0	261 4.0
MK	-	264	264	-	-	-	-	-	199	-	199	12	12	-	-	-	-	475	126	0	601 -8.4
NI	-	511	-	92	419	-	-	-	1	1	-	104	91	-	7	6	-	616	81	0	697 0.0
NL	365	6 820	-	-	-	-	-	6 820	11	11	-	936	659	5	272	-	-	8 132	609	0	8 741 -1.4
NO	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.	
PL ⁵	-	10 127	3 663	5 160	444	-	-	759	276	236	37	1 540	928	3	555	39	-	11 943 ³	179	63	12 059 3.4
PT	-	1 675	-	974	670	13	-	18	860	790	70	1 024	760	66	198	-	-	3 559 ³	258	87	3 730 -2.4
RO	901	1 533	1 040	152	35	-	306	-	1 730	1 730	-	1 088	829	220	39	-	-	5 252	-791	26	4 435 4.4
RS	-	2 186	2 186	-	-	-	-	-	1 348	1 304	44	-	-	-	-	-	-	3 534	-231	149	3 154 2.2
SE	5 027	256	-	44	7	7	-	198	5 586	5 586	-	2 265	1 404	-	861	-	-	13 134	-2 167	0	10 967 0.1
SI	165	325	319	-	-	-	-	6	274	253	21	49	-	29	12	8	14	827	269	29	1 067 0.8
SK	1 011	382	159	54	152	17	-	-	522	487	35	194	-	64	94	36	3	2 112 ³	99	48	2 163 2.2
Σ ⁶	65 624	99 984	25 810	31 924	26 190	1 804	3 690	8 776	49 117	42 948	6 080	44 816	21 003	10 541	9 444	1 916	924	260 465	-1 224	3 646	255 595 0.3

¹ The reported figures are best estimates based on actual measurements and extrapolations.² RES (other than hydro) and exchange balance from TSO data, rest from official statistics.³ Including deliveries from industry.⁴ of which other fossil fuel = oil shale.⁵ Biomass generation includes biomass co-fired in conventional thermal units. Other renewable represents biogas. Other fossil fuel represents industry. Representativity based on historical differences of total generation⁶ ENTSO-E sum based on data from April 2014 for IS and NO.

2. Physical energy flows



Sum of physical energy flows between ENTSO-E countries: 34 332 GWh
Total physical energy flows: 36 828 GWh

Not ENTSO-E members: Albania, Belarus, Morocco, Republic of Moldavia, Republic of Turkey, Russia, Ukraine and Ukraine West.

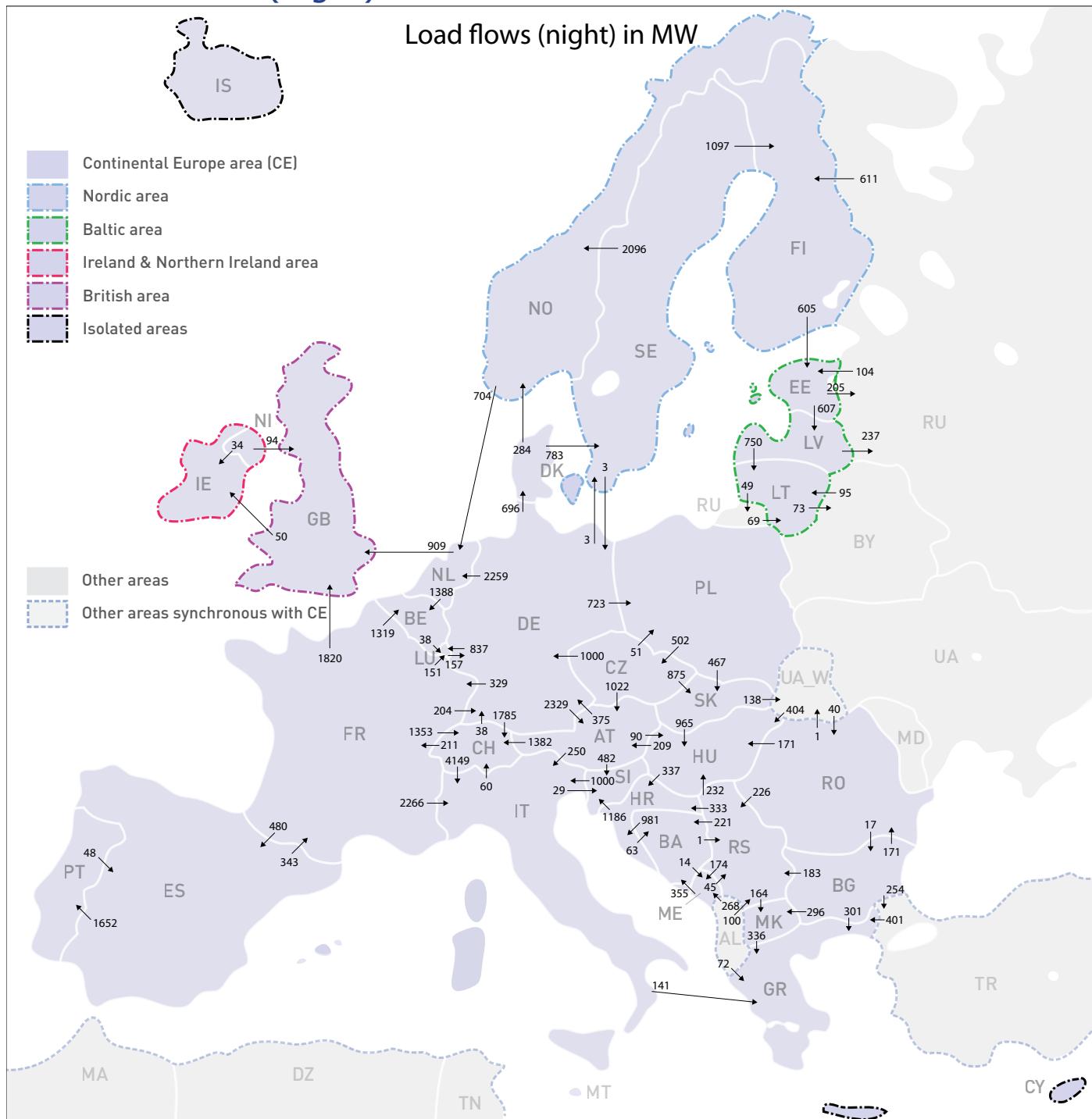
These physical energy flows were measured on the cross-frontier transmission lines (≥ 110 kV) listed in table “Characteristics of the cross-frontier lines” published in the Yearly Statistic & Adequacy Retrospect. These values may differ from the official statistics and the exchange balances on page 4.

3. Overview of the detailed physical energy flows in GWh

	Importing countries																																				
	AT	BA	BE	BG	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HR	HU	IE	IT	LT	LU	LV	ME	MK	NI	NL	NO	PL	PT	RO	RS	SE	SI	SK	Other ¹	Sum exp.		
Exporting countries	-	-	-	-	780	3	346	-	-	-	-	-	-	-	-	162	-	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	333	-	-	1 743	
AT	-	-	-	-	780	3	346	-	-	-	-	-	-	-	-	162	-	119	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	634		
BA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	
BE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 471	
BG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 210	
CH	2	-	-	-	-	-	130	-	-	-	-	336	-	-	-	-	-	2 003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 032	
CZ	708	-	-	-	-	-	628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6 335	
DE	1 386	-	-	-	1 075	144	-	270	-	-	-	472	-	-	-	-	-	-	-	509	-	-	-	-	1 893	-	563	-	-	-	-	-	-	-	-	732	
DK	-	-	-	-	-	-	362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	531	
EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	784	
ES	-	-	-	-	-	-	-	-	-	-	-	149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	466	
FI	-	-	-	-	-	-	-	-	-	-	447	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5 065	
FR	-	-	1 053	-	603	-	246	-	-	559	-	-	1 343	-	-	-	-	1 169	-	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	231	
GB	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	163	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	-	-	-	46	
GR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	
HR	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	639	
HU	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	296	
IE	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	75	
IT	5	-	-	-	117	-	-	-	-	-	-	32	-	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	353		
LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	113
LU	-	-	12	-	-	-	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	
LV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	502	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	502	
ME	-	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191
MK	-	-	-	-	-	-	-	-	-	-	-	-	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	264	
NI	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	
NL	-	-	1 079	-	-	-	6	-	-	-	-	699	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 784	
NO	-	-	-	-	-	-	-	399	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	497	-	-	-	-	-	-	-	-	-	-	1 419	
PL	-	-	-	-	-	-	406	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	732	
PT	-	-	-	-	-	-	-	-	377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	377	
RO	-	-	-	313	-	-	-	-	-	-	-	-	-	-	-	245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	
RS	-	190	-	1	-	-	-	-	-	-	-	-	-	-	-	219	116	-	-	-	-	-	-	-	91	99	-	-	-	-	-	-	-	-	2 721		
SE	-	-	-	-	-	-	175	407	-	-	1 333	-	-	-	-	-	-	-	-	-	-	-	-	-	-	735	290	-	-	-	-	-	-	-	-	2 940	
SI	5	-	-	-	-	-	-	-	-	-	-	39	-	-	579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	623	
SK	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	724	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	
Other ¹	-	-	-	1	-	-	-	76	-	324	-	-	254	-	453	-	-	196	-	126	76	-	-	-	-	-	-	-	-	-	-	-	-	1 578			
Sum imp.	2 170	375	2 144	315	2 575	559	2 030	1 076	523	936	1 665	1 020	2 096	1 015	1 052	1 718	175	3 895	698	625	513	222	393	118	2 414	906	914	635	29	494	758	891	961	918			

¹ Other: Albania, Belarus, Morocco, Republic of Moldavia, Republic of Turkey, Russia, Ukraine and Ukraine-West.

4. Load flows (night) on 15.04.2015 at 03:00 a.m. CET



Import (I) and Export (E) balance

Country	Balance	Country	Balance	Country	Balance	Country	Balance
AT	I = 981	EE	E = 103	IS	-	NO	n.a.
BA	E = 357	ES	E = 1467	IT	I = 7435	PL	E = 195
BE	I = 2669	FI	I = 1103	LT	I = 792	PT	I = 1604
BG	E = 1188	FR	E = 6710	LU	I = 869	RO	E = 204
CH	I = 182	GB	I = 2773	LV	I = 94	RS	E = 569
CY	-	GR	I = 1251	ME	I = 56	SE	E = 2410
CZ	E = 2446	HR	I = 402	MK	I = 124	SI	I = 697
DE	E = 7184	HU	I = 1316	NI	E = 128	SK	I = 239
DK	E = 371	IE	I = 84	NL	I = 666		

Sum of load flows (night) in MW: ENTSO-E: 47 301 Total: 504 22²

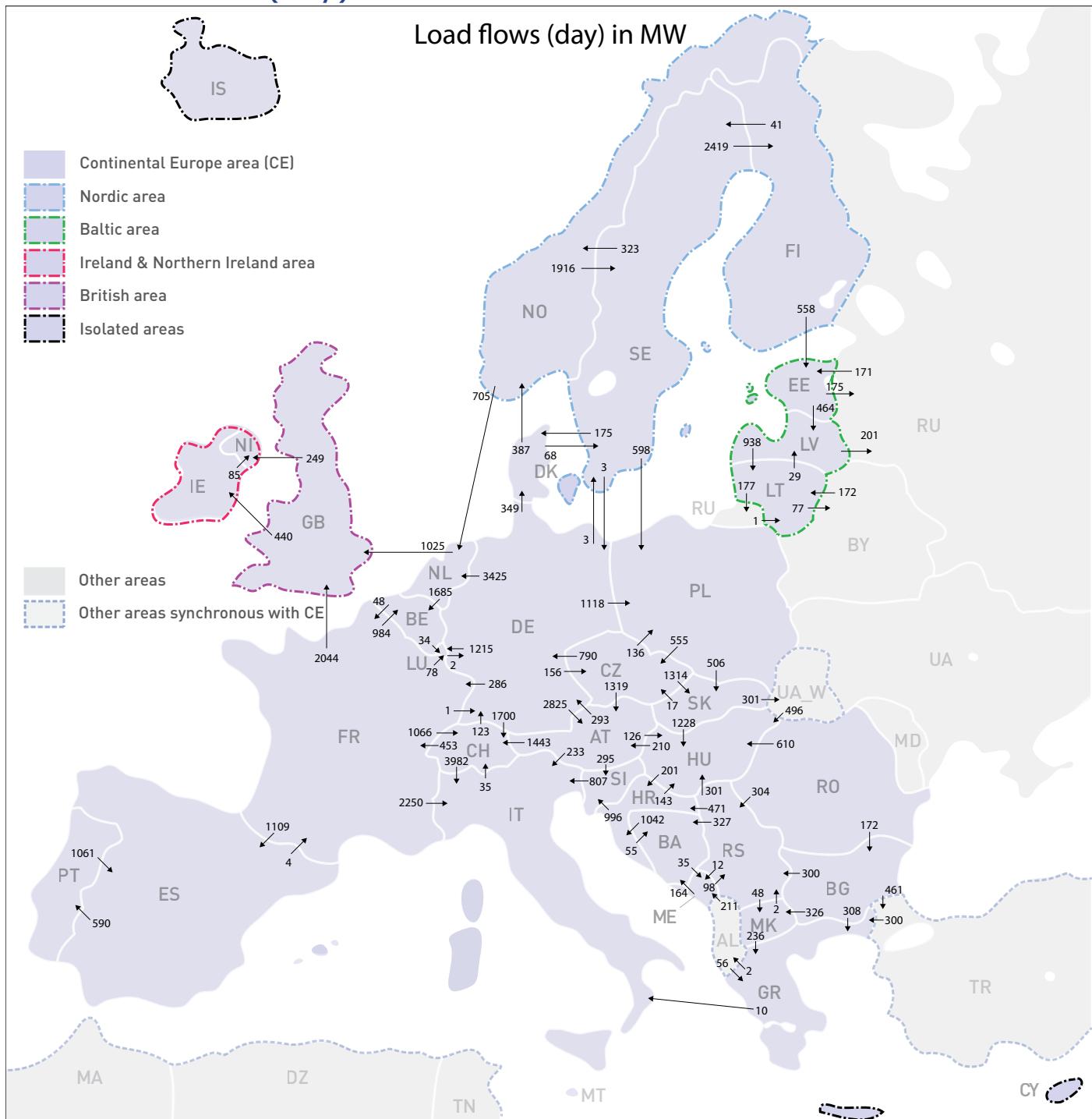
Sum of load flows (right) in MW:

Total: 504 22²

¹ Cyprus and Iceland are isolated power systems and therefore are not connected to the ENTSO-E network.
² Including countries according with ENTSO-E regions.

² Including synchronous operation with ENTSO-E region.

5. Load flows (day) on 15.04.2015 at 11:00 a.m. CET



Import (I) and Export (E) balance

Country	Balance	Country	Balance	Country	Balance	Country	Balance
AT	I = 1964	EE	I = 90	IS	-	NO	n.a.
BA	E = 531	ES	I = 1576	IT	I = 7247	PL	I = 791
BE	I = 2587	FI	I = 1820	LT	I = 828	PT	E = 471
BG	E = 1223	FR	E = 6741	LU	I = 1325	RO	E = 1086
CH	E = 314	GB	I = 2380	LV	E = 244	RS	E = 455
CY	-	GR	I = 888	ME	E = 4	SE	E = 1490
CZ	E = 2831	HR	I = 520	MK	I = 136	SI	I = 484
DE	E = 9865	HU	I = 2493	NI	I = 334	SK	I = 274
DK	I = 69	IE	I = 355	NL	I = 1420		

Sum of load flows (day) in MW:

ENTSO-E: 52 482

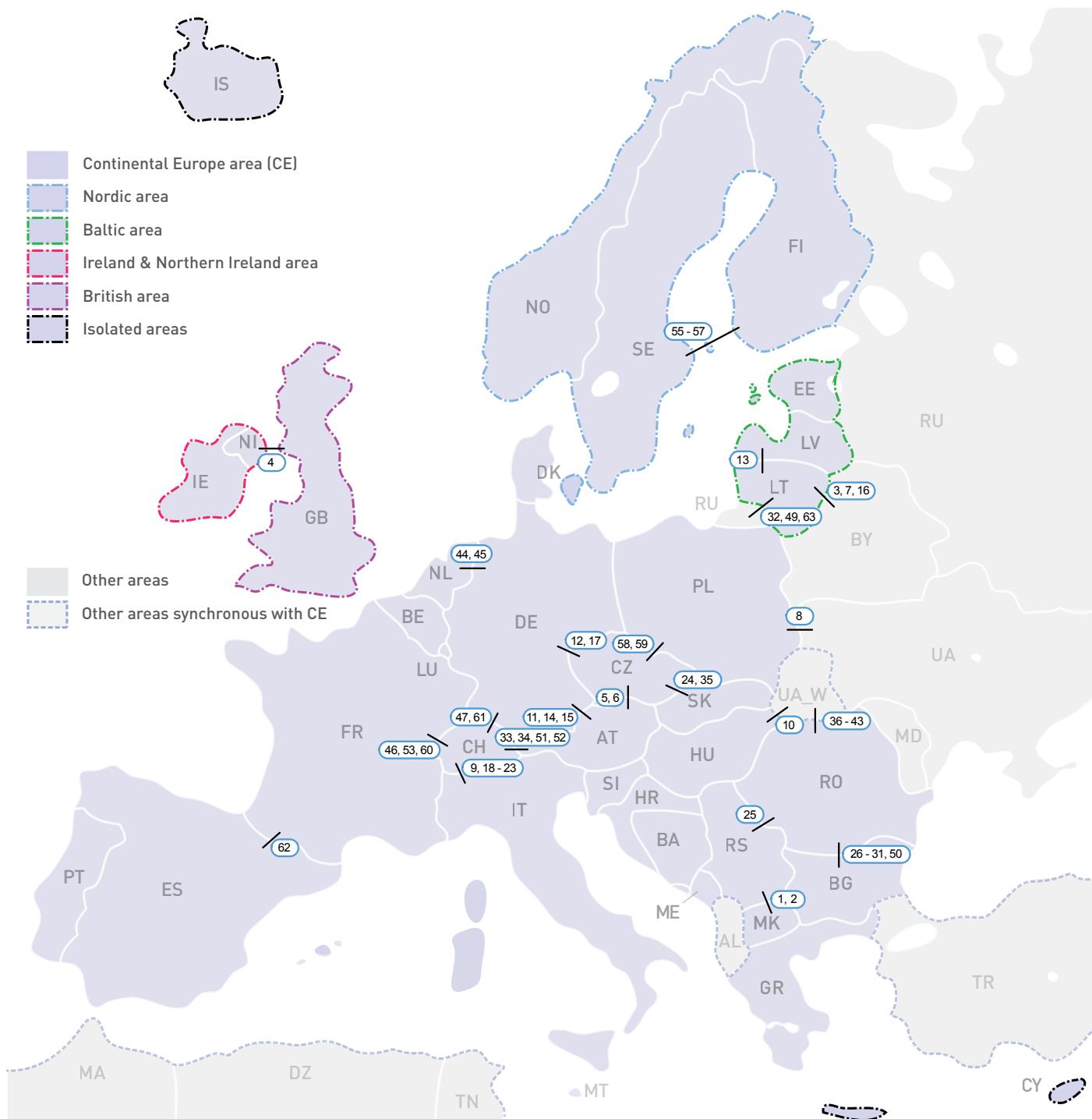
Total: 55 283²

¹ Cyprus and Iceland are isolated power systems and therefore are not connected to the ENTSO-E network.

² Including synchronous operation with ENTSO-E region.

6. Unavailability of international tie lines

(major events with sum over 30 hours)



Each unavailability is referred by number with description on the following page.

6. Unavailability of international tie lines

(major events with sum over 30 hours)

#	Line	Substation 1	Substation 2	Voltage (kV)	Capacity (MVA)	Date/Time Start	Reason	Duration (minutes)
1	391.1.1	Skopje 1 (MK)	Kosovo A (RS)	220	311	01.04.2015 00:00	R9	43 200
2	391.2.1	Skopje 1 (MK)	Kosovo A (RS)	220	311	01.04.2015 00:00	R9	43 200
3	861.1.1	IAE (LT)	Smargon (BY)	330	832	01.04.2015 00:00	R9	43 200
4	222.2.1	Auchencrosh (GB)	Ballycronanmore (NI)	250	250	01.04.2015 00:01	R10	43 199
5	172.1.2	Dürnrohr (AT)	Slavetice (CZ)	380	1 642	01.04.2015 00:00	R9	33 005
6	172.1.2	Dürnrohr (AT)	Slavetice (CZ)	380	1 642	30.04.2015 06:53	R9	33 005
7	864.1.1	Alytus (LT)	Grodno (BY)	330	696	01.04.2015 00:00	R3	32 688
8	702.1.1	Zamość (PL)	Dobrotvīr (UA)	220	309	08.04.2015 08:59	R1	32 581
9	121.2.1	Gorduno (CH)	Mese (IT)	220	365	06.04.2015 08:00	R1	29 280
10	720.1.1	Albertirska (HU)	Zahidno Ukrainska (UA_W)	750	5 819	13.04.2015 05:10	R1	25 610
11	117.1.1	Silz (AT)	Oberbrunn (DE)	220	793	13.04.2015 09:39	R1	24 663
12	321.1.2	Prestice (CZ)	Etzenricht (DE)	400	1 569	01.04.2015 00:00	R3 R1	20 996
13	850.1.1	Šiauliai/Telšiai (LT)	Jelgava (Viskali) (LV)	330	696	01.04.2015 00:00	R3	19 394
14	111.3.1	Bürs (AT)	Dellmensingen (DE)	220	492	01.04.2015 08:01	R1	15 817
15	111.3.1	Bürs (AT)	Dellmensingen (DE)	220	492	20.04.2015 08:21	R9	15 817
16	867.1.1	Didžiasalis (LT)	Kaziani (BY)	110	45	20.04.2015 10:16	R9	15 224
17	322.1.2	Hradec Vychod (CZ)	Röhrsdorf (DE)	400	1 386	24.04.2015 07:02	R1	9 658
18	121.4.1	Lavorgo (CH)	Musignano (IT)	380	1 268	23.04.2015 07:00	R1	9 240
19	124.1.1	Robbia (CH)	Gorlago (IT)	380	1 330	05.04.2015 00:03	R1	8 646
20	124.1.1	Robbia (CH)	Gorlago (IT)	380	1 330	11.04.2015 13:28	R10	8 646
21	124.1.1	Robbia (CH)	Gorlago (IT)	380	1 330	12.04.2015 07:00	R10	8 646
22	124.1.1	Robbia (CH)	Gorlago (IT)	380	1 330	19.04.2015 06:30	R9	8 646
23	124.1.1	Robbia (CH)	Gorlago (IT)	380	1 330	25.04.2015 16:23	R10	8 646
24	404.1.1	Nosovice (CZ)	Varin (SK)	400	1 205	25.04.2015 06:22	R1	7 772
25	261.1.1	Djerdap 1 (RS)	Portile de Fier (RO)	400	1 250	01.04.2015 00:01	R1	7 131
26	275.1.1	Stupina (RO)	Varna (BG)	400	2 168	14.04.2015 08:28	R1	5 978
27	275.1.1	Stupina (RO)	Varna (BG)	400	2 168	15.04.2015 08:16	R1	5 978
28	275.1.1	Stupina (RO)	Varna (BG)	400	2 168	20.04.2015 08:09	R1	5 978
29	275.1.1	Stupina (RO)	Varna (BG)	400	2 168	21.04.2015 08:03	R1	5 978
30	275.1.1	Stupina (RO)	Varna (BG)	400	2 168	23.04.2015 07:39	R1	5 978
31	275.1.1	Stupina (RO)	Varna (BG)	400	2 168	24.04.2015 07:59	R1	5 978
32	881.1.1	Bit_nai (LT)	Sovetsk (RU)	330	696	27.04.2015 07:22	R3	5 318
33	141.2.1	Meiningen (AT)	Winkeln (CH)	220	915	16.04.2015 10:00	R1	5 025
34	141.2.1	Meiningen (AT)	Winkeln (CH)	220	915	20.04.2015 07:00	R3	5 025
35	420.1.1	Sokolnice (CZ)	Senica (SK)	220	288	07.04.2015 09:18	R1	4 778
36	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	14.04.2015 08:20	R1	4 241
37	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	15.04.2015 07:47	R1	4 241
38	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	20.04.2015 07:44	R1	4 241
39	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	21.04.2015 07:50	R1	4 241
40	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	22.04.2015 07:52	R1	4 241
41	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	23.04.2015 08:21	R1	4 241
42	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	24.04.2015 11:21	R1	4 241
43	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 135	25.04.2015 07:46	R1	4 241
44	11.1.2	Diele (DE)	Meeden (NL)	400	1 535	02.04.2015 09:41	R1	4 240
45	11.1.2	Diele (DE)	Meeden (NL)	400	1 535	27.04.2015 10:32	R1	4 240
46	81.3.1	Bassecourt (CH)	Mambelin (FR)	380	1 330	20.04.2015 07:00	R1	3 480
47	102.3.2	Laufenburg (CH)	Kühmoos (DE)	380	1 607	20.04.2015 07:00	R1	3 480
48	51.1.1	Monceau (BE)	Chooz (FR)	220	360	25.04.2015 00:21	R4	3 278
49	884.1.1	Pagėgiai (LT)	Sovetsk (RU)	110	76	01.04.2015 12:30	R9	3 276
50	278.1.1	Rahman (RO)	Dobrudja (BG)	400	1 135	03.04.2015 13:26	R2	3 196
51	142.2.1	Westtirol (AT)	Pradella (CH)	380	1 340	05.04.2015 14:00	R9	3 060
52	142.2.1	Westtirol (AT)	Pradella (CH)	380	1 340	26.04.2015 19:30	R1	3 060
53	82.1.1	Verbois (CH)	Bois-Tollot (FR)	380	1 552	22.04.2015 16:00	R2	2 940
54	221.2.1	Sellindge (GB)	Mandarins (FR)	270	1 000	01.04.2015 00:01	R1	2 879
55	805.1.1	Raumo (FI)	Finnböle (SE)	500	800	10.04.2015 06:00	R1	2 475
56	805.1.1	Raumo (FI)	Finnböle (SE)	500	800	11.04.2015 07:00	R1	2 475
57	805.1.1	Raumo (FI)	Finnböle (SE)	500	800	30.04.2015 06:00	R2	2 475
58	443.1.1	Albrechtice (CZ)	Dobrzej (PL)	400	1 386	11.04.2015 19:45	R9	2 422
59	450.1.1	Liskovec (CZ)	Kopanina (PL)	220	400	01.04.2015 07:27	R9	2 287
60	81.1.1	Bassecourt (CH)	Sierentz (FR)	380	1 330	27.04.2015 07:00	R1	2 040
61	102.2.1	Laufenburg (CH)	Kühmoos (DE)	220	478	23.04.2015 07:00	R1	2 040
62	151.4.1	Biescas (ES)	Pragnères (FR)	220	290	08.04.2015 09:23	R8	1 884
63	880.1.1	Biténai (LT)	Sovetsk (RU)	330	696	23.04.2015 11:53	R2	1 851

R1: Maintenance

R2: Repair

R3: New constructions

R4: Overload (also calculated break)

R5: False operation

R6: Failure in protection device or other element

R7: Outside impacts (animals, trees, fire, avalanches, ...)

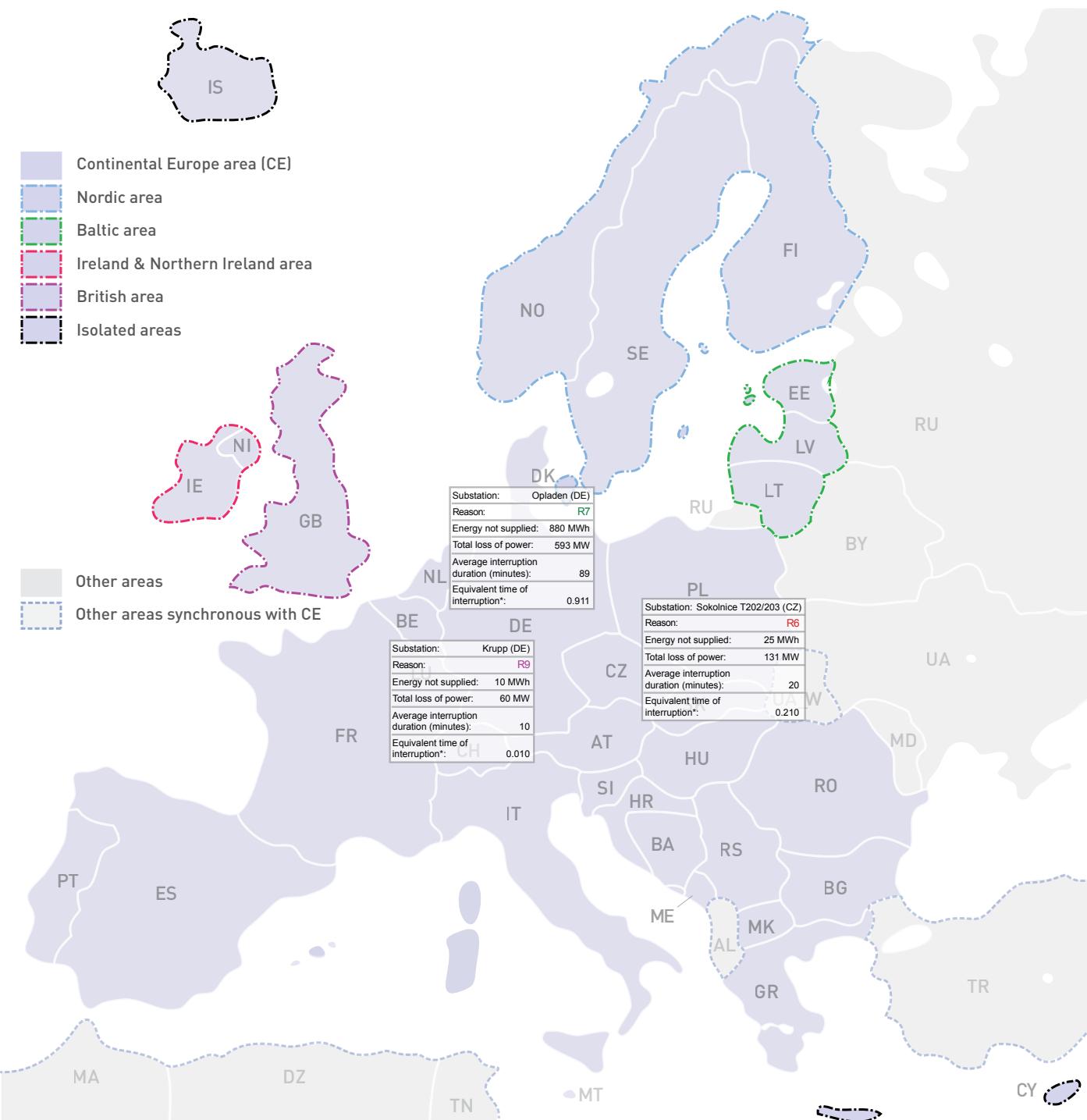
R8: Very exceptional conditions (weather, natural disaster, ...)

R9: Other reasons

R10: Unknown reasons

7. Supply interruption

(major reported events)



R4: Overload (also calculated break)

R5: False operation

R6: Failure in protection device or other element

R7: Outside impacts (animals, trees, fire, avalanches, ...)

R8: Very exceptional conditions (weather, natural disaster, ...)

R9: Other reasons

R10: Unknown reasons

Information about incidents in other countries are not shown with energy not supply equal zero or unavailable in the database.

* Equivalent time of interruption: (year [in min] * energy not supplied) / consumption last 12 months.

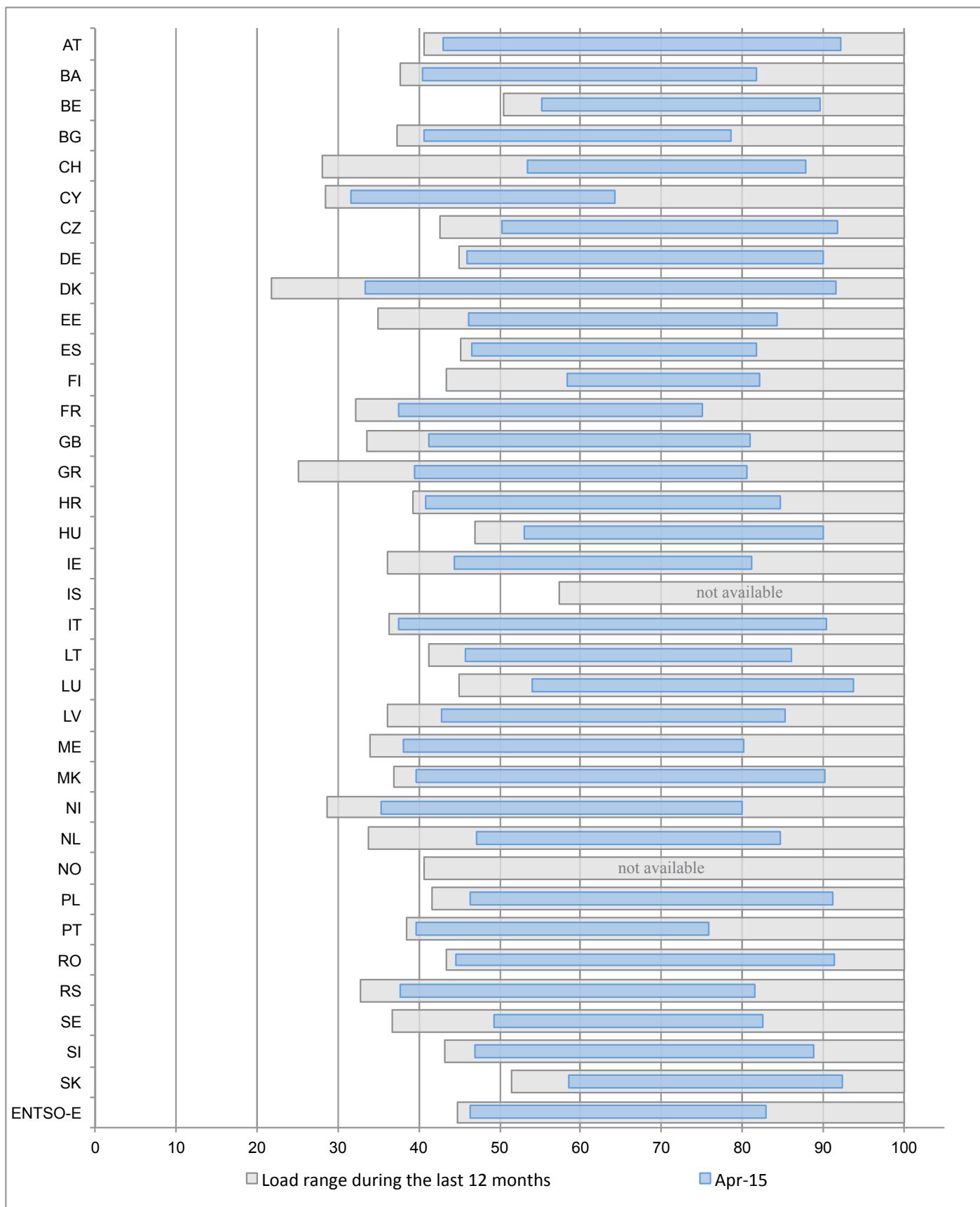
8. Highest and lowest load values of the month

The following table shows highest and lowest load values¹ collected over the previous 12 months (Apr. 2014 to Mar. 2015) and includes the reporting month for purposes of comparison.

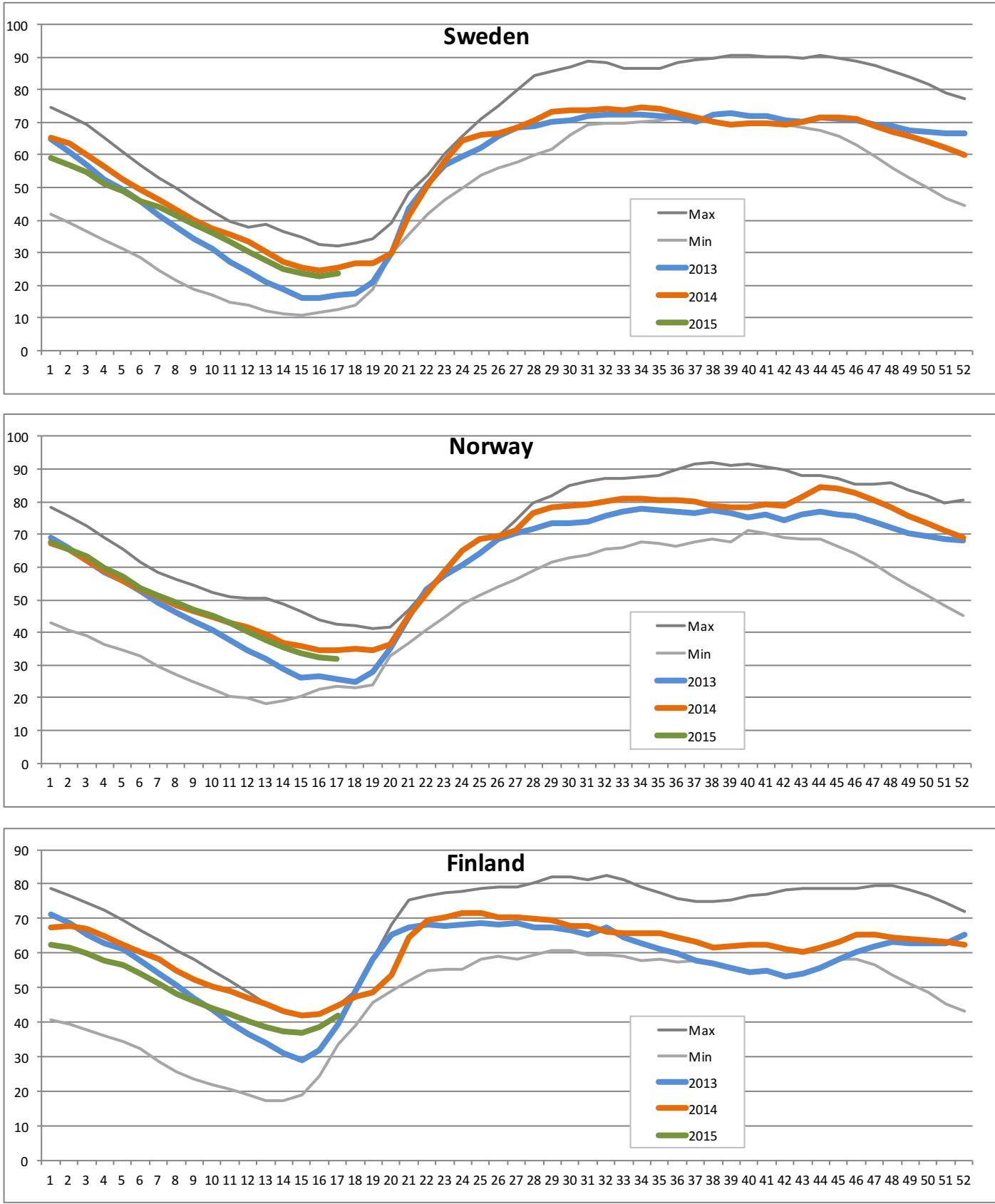
	Highest load values in MW						Lowest load values in MW					
	Last 12 months			Reported month			Last 12 months			Reported month		
	Load value	Date	Time	Load value	Date	Time	Load value	Date	Time	Load value	Date	Time
AT	11 471	10/12/14	17:00	10 563	02/04/15	12:00	4 673	17/08/14	04:00	4 939	26/04/15	04:00
BA	2 207	31/12/14	18:00	1 802	09/04/15	21:00	833	05/08/14	06:00	893	27/04/15	04:00
BE ²	13 129	22/01/15	19:00	11 757	02/04/15	12:00	6 623	27/07/14	07:00	7 242	26/04/15	05:00
BG	7 106	31/12/14	19:00	5 579	06/04/15	12:00	2 656	22/06/14	06:00	2 885	13/04/15	06:00
CH	10 155	12/02/15	09:00	8 919	01/04/15	12:00	2 843	26/07/14	06:00	5 428	27/04/15	00:00
CY	871	25/08/14	15:00	559	11/04/15	21:00	248	20/10/14	03:00	276	24/04/15	04:00
CZ	10 058	10/12/14	17:00	9 236	02/04/15	14:00	4 290	10/08/14	06:00	5 056	26/04/15	06:00
DE	81 738	03/12/14	18:00	73 525	02/04/15	12:00	36 709	21/04/14	04:00	37 632	26/04/15	04:00
DK	5 729	20/01/15	18:00	5 241	30/04/15	11:00	1 251	28/03/15	24:00	1 915	26/04/15	04:00
EE	1 408	02/12/14	16:00	1 188	02/04/15	09:00	492	20/07/14	05:00	651	26/04/15	05:00
ES	40 324	04/02/15	21:00	32 995	09/04/15	22:00	18 176	20/04/14	05:00	18 769	06/04/15	05:00
FI	13 567	22/01/15	08:00	11 131	02/04/15	09:00	5 901	22/06/14	05:00	7 928	26/04/15	05:00
FR	91 611	06/02/15	19:00	68 679	02/04/15	10:00	29 493	17/08/14	07:00	34 290	26/04/15	07:00
GB	59 576	19/01/15	19:00	48 229	01/04/15	22:00	19 955	17/08/14	07:00	24 549	11/04/15	06:00
GR	9 304	08/01/15	19:00	7 499	08/04/15	20:00	2 343	20/04/14	14:00	3 675	13/04/15	06:00
HR	2 974	31/12/14	18:00	2 520	08/04/15	21:00	1 166	11/05/14	06:00	1 215	27/04/15	04:00
HU	6 002	01/12/14	17:00	5 400	02/04/15	20:00	2 822	21/08/14	04:00	3 181	06/04/15	05:00
IE	4 662	14/01/15	18:00	3 779	01/04/15	18:00	1 684	06/07/14	07:00	2 065	26/04/15	07:00
IS ³	2 327	25/02/15	14:00	not available			1 337	14/05/14	12:00	not available		
IT	51 587	18/07/14	12:00	46 614	08/04/15	11:00	18 738	26/12/14	05:00	19 323	06/04/15	05:00
LT	1 834	23/01/15	10:00	1 577	03/04/15	10:00	755	06/07/14	05:00	838	26/04/15	04:00
LU	825	06/02/15	12:00	773	02/04/15	12:00	371	17/08/14	04:00	445	13/04/15	03:00
LV	1 251	03/12/14	16:00	1 067	01/04/15	10:00	453	24/06/14	04:00	536	20/04/15	01:00
ME	638	31/12/14	20:00	511	05/04/15	21:00	217	18/05/14	06:00	243	24/04/15	05:00
MK	1 507	31/12/14	18:00	1 358	08/04/15	00:00	555	14/09/14	05:00	597	29/04/15	04:00
NI	1 745	10/12/14	19:00	1 394	01/04/15	19:00	500	13/07/14	07:00	617	26/04/15	08:00
NL	18 460	03/12/14	18:00	15 645	08/04/15	11:00	6 233	29/11/14	05:00	8 717	12/04/15	05:00
NO ^{3,4}	21 258	29/12/14	11:00	not available			8 633	20/07/14	06:00	not available		
PL ⁵	23 463	10/12/14	17:00	21 377	02/04/15	13:00	9 761	21/04/14	06:00	10 861	06/04/15	07:00
PT	8 618	07/01/15	21:00	6 533	23/04/15	22:00	3 317	20/04/14	08:00	3 412	05/04/15	08:00
RO	8 522	09/12/14	18:00	7 785	06/04/15	21:00	3 704	21/04/14	14:00	3 799	12/04/15	15:00
RS	7 399	31/12/14	18:00	6 029	06/04/15	21:00	2 423	22/06/14	06:00	2 787	27/04/15	04:00
SE	23 870	29/12/14	11:00	19 681	02/04/15	09:00	8 754	20/07/14	06:00	11 775	26/04/15	06:00
SI	2 233	12/12/14	18:00	1 985	07/04/15	20:00	965	02/05/14	01:00	1 047	06/04/15	00:00
SK	4 119	27/11/14	18:00	3 808	01/04/15	10:00	2 119	03/08/14	06:00	2 413	06/04/15	04:00
ENTSO-E	513 482	09/12/14	18:00	425 795	02/04/15	12:00	230 343	17/08/14	0.29	238 026	26/04/15	05:00

¹ All values are calculated to represent 100% of the national values.² The reported figures are best estimates based on actual measurements and extrapolations.³ Missing values for April 2015.⁴ Missing values since January 2015.⁵ Load data comes from PSE measurement - no other source of this data.

The following diagram shows the percentual load range for the current month compared to the percentual load range of the last 12 months (Apr. 2014 to Mar. 2015), the reference values being the highest load value of the last 12 months.



9. Water reservoirs Nordic



Minimum and maximum limits are based on values for the years 2009-2015.

Finland: Reservoir capacity: 5.530 GWh.

Norway: Reservoir capacity: 82.224 GWh. The statistics are supposed to cover 97.1 percent of the total reservoir capacity. The total reservoir capacity is 84.3 TWh.

Sweden: Reservoir capacity: 33.675 GWh

10. Appendix: Data sources and references

ENTSO-E data portal: <https://www.entsoe.eu/data/data-portal/>

Nord Pool Spot: <http://www.nordpoolspot.com/>

Contribution

This publication, based on data collected by the ENTSO-E Statistical Data Correspondents, has been supervised by the following Data Expert Group members:

Anagnostou, Apostolos	IPTO	Greece	Active member
Fučík, Zdeněk	ČEPS	Czech Republic	Active member
Jeżyński, Łukasz	PSE S.A.	Poland	Active member
Kok, Raymond	TenneT NL	The Netherlands	Convener
Lagarrigue Philippe	ENTSO-E		Secretary
Kouveliotis, Nikos	IPTO	Greece	Active member
Martinez Casares, Felix	REE	Spain	Active member
Pharabod, Erik	RTE	France	Active member
Radoi, Cristian	Transselectrica	Romania	Active member
Reittinger-Hubner, Ernst	APG	Austria	Active member
Schwaiger, Florian	TenneT TSO GmbH	Germany	Active member

Publisher:	Secretariat of ENTSO-E Avenue de Cortenbergh 100, 1000 Brussels, Belgium
Internet:	www.entsoe.eu
Executive Editor:	Secretariat of ENTSO-E
Managing Editor:	Philippe Lagarrigue, Christophe Montoisy
Production Editor:	Secretariat of ENTSO-E
Photo cover:	TenneT TSO B.V.

Contact

ENTSO-E AISBL

Avenue de Cortenbergh 100
1000 Brussels
Belgium

Tel +32 2 741 09 50
Fax +32 2 741 09 51

info@entsoe.eu
www.entsoe.eu



European Network of
Transmission System Operators
for Electricity