

Monthly statistics



September 2015

European Network of
Transmission System Operators
for Electricity



Monthly provisional values as of 6 January 2016

Data Expert Group

Monthly statistics - September 2015

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Monthly provisional values from the ENTSO-E statistical database as of 6 January 2016.

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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

	Net generation (GWh)																Exch. Balance (GWh)	Pumping (GWh)	Consumption		(Compared to 1 year before)		
	Nuclear	Fossil fuels							Hydro power			Renewables							Not clearly identifiable	Σ		(GWh)	var. (%)
		Σ	Lignite	Hard coal	Gas	Oil	Mixed	Other	Σ	Renew.	Other	Σ	Wind	Solar	Biomass	Other							
AT ¹	-	914	-	156	502	44	-	212	2 788	2 488	300	437	437	-	-	-	663	4 802	897	428	5 271	-5.8	
BA	-	842	842	-	-	-	-	-	264	264	-	-	-	-	-	-	-	1 106	-179	-	927	2.9	
BE ²	1 100	2 471	-	421	2 044	6	-	-	103	13	90	1 201	383	279	539	-	-	4 875 ⁵	2 053	122	6 806	2.6	
BG ²	739	1 901	1 779	62	60	-	-	-	347	315	32	238	101	120	17	-	-	3 225	-763	46	2 416	2.5	
CH	1 261	175	-	-	-	-	-	175	3 241	-	3 241	156	11	-	-	145	-	4 833	312	246	4 899	0.2	
CY	-	427	-	-	-	427	-	-	-	-	-	14	14	-	-	-	-	441	-	-	441	10.3	
CZ	1 674	3 036	2 285	384	353	2	-	12	173	86	87	589	40	204	148	197	-	5 472 ⁵	-497	110	4 865	1.0	
DE ³	7 278	26 286	13 289	9 962	1 871	71	1 093	-	1 577	1 048	529	11 589	5 295	3 128	3 076	90	-	46 730 ⁵	-5 123	600	41 007	-3.1	
DK	-	396	-	289	107	-	-	-	1	1	-	1 215	976	57	182	-	-	1 612 ⁵	1 085	-	2 697	3.8	
EE ⁴	-	694	-	-	-	-	-	694	1	1	-	103	37	-	66	-	-	798	-174	-	624	3.0	
ES	4 893	9 874	422	4 379	4 122	951	-	-	1 764	1 595	169	4 647	3 014	1 201	431	1	124	21 302	-170	245	20 887	-3.4	
FI	1 764	870	-	338	288	12	185	47	1 264	1 264	-	867	165	-	702	-	47	4 812	1 343	-	6 155	0.1	
FR	30 633	1 946	-	598	1 100	248	-	-	3 423	3 131	292	2 982	1 653	715	614	-	-	38 984 ⁵	-5 181	418	33 385	0.4	
GB ²	5 032	14 952	-	5 239	8 066	2	-	-	386	107	225	3 088	1 328	-	-	-	-	23 458	1 933	309	25 082	0.1	
GR	-	2 287	1 670	-	617	-	-	-	391	27	364	703	251	336	18	98	-	3 381	710	5	4 086	6.5	
HR	-	228	-	185	43	-	-	-	224	224	-	89	89	-	-	-	-	541	813	18	1 336	1.7	
HU	1 314	793	509	46	233	5	-	-	9	9	-	257	76	1	142	38	-	2 373	940	-	3 313	2.6	
IE	-	1 707	240	356	1 104	1	-	6	60	38	22	403	382	-	-	21	-	2 170	-11	39	2 120	3.1	
IS	-	-	-	-	-	-	-	-	1 088	1 088	-	362	1	-	-	361	-	1 450	-	-	1 450	-0.3	
IT	-	14 115	-	3 344	7 968	363	2 440	-	3 573	3 472	101	5 507	1 209	2 174	1 638	486	-	23 195	3 374	120	26 449	1.0	
LT	-	235	-	-	190	-	22	23	87	11	76	71	41	7	23	-	-	393	574	101	866	3.7	
LU	-	19	-	-	19	-	-	-	133	4	129	21	8	9	4	-	-	173	493	174	492	-5.0	
LV	-	235	-	-	194	-	41	-	42	42	-	66	8	-	28	30	-	343	219	-	562	-0.2	
ME	-	140	140	-	-	-	-	-	76	-	76	-	-	-	-	-	-	216	37	-	253	4.1	
MK	-	240	240	-	-	-	-	-	47	-	47	9	9	-	-	-	-	296	229	-	525	-2.8	
NI	-	535	-	206	328	1	-	-	1	1	-	122	104	-	11	7	-	658	27	-	685	-0.7	
NL	365	7 802	-	-	-	-	-	7 802	2	2	-	732	390	12	330	-	-	8 901	248	-	9 149	2.0	
NO	-	269	-	-	269	-	-	-	10 722	10 722	-	174	174	-	-	-	-	11 165	-2 048	138	8 979	2.9	
PL ⁶	-	11 053	3 880	6 134	266	-	-	662	123	67	55	1 196	635	4	511	34	-	12 372 ⁵	-222	77	12 073	2.1	
PT	-	2 291	-	1 192	1 064	12	-	23	496	423	73	943	646	68	229	-	-	3 730 ⁵	241	90	3 881	-1.4	
RO	902	2 240	1 322	117	599	-	202	-	935	935	-	773	556	172	45	-	-	4 850	-571	13	4 266	2.7	
RS	-	2 240	2 240	-	-	-	-	-	443	401	42	-	-	-	-	-	-	2 683	200	121	2 762	2.2	
SE	4 049	149	-	-	1	8	-	140	5 331	5 331	-	1 735	1 157	-	578	-	-	11 264	-1 364	-	9 900	0.5	
SI	497	337	336	-	-	-	-	1	375	360	15	38	1	20	13	4	4	1 251	-130	22	1 099	1.6	
SK	1 200	329	110	71	130	18	-	-	199	185	14	153	-	48	74	31	2	1 883 ⁵	245	19	2 109	1.4	
Σ	62 701	112 028	29 304	33 479	31 538	2 171	3 983	9 797	39 689	33 655	5 979	40 480	19 191	8 555	9 419	1 543	840	255 738	-460	3 461	251 817	-0.1	

¹ Renewable hydro: Production run-of-river plus production of storage and pumped storage minus 70% of pumped energy.

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

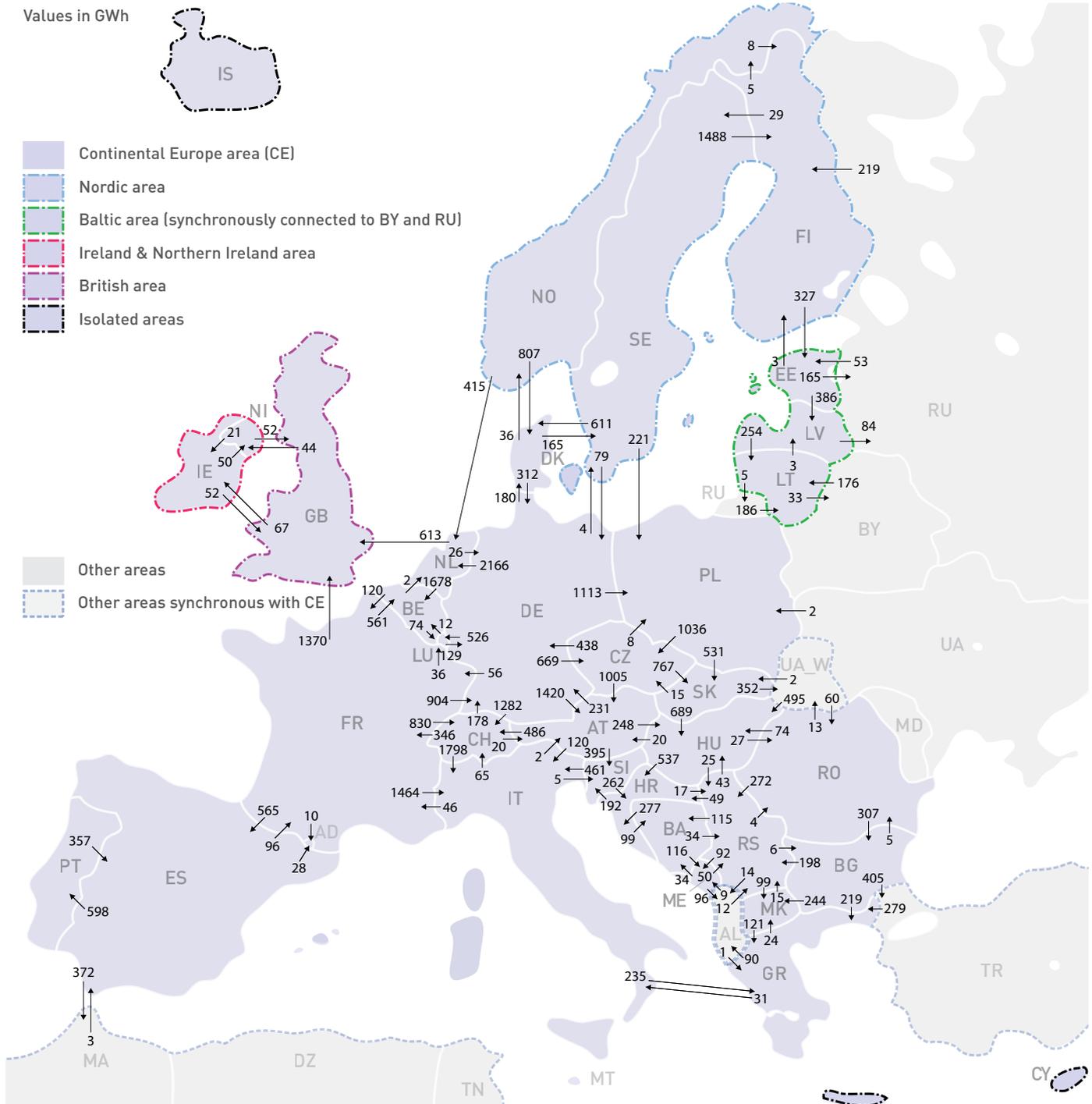
³ RES (other than hydro) and exchange balance from TSO data, rest from official statistics

⁴ Of which other fossil fuel - oil shale

⁵ Delivery from industry

⁶ Operational data. Biomass generation includes biomass co-fired in conventional thermal units. Other renewable represents biogas. Other fossil fuel represents industry.

2. Physical energy flows



Sum of physical energy flows between ENTSO-E countries: 35 057 GWh

Total physical energy flows: 38 183 GWh

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

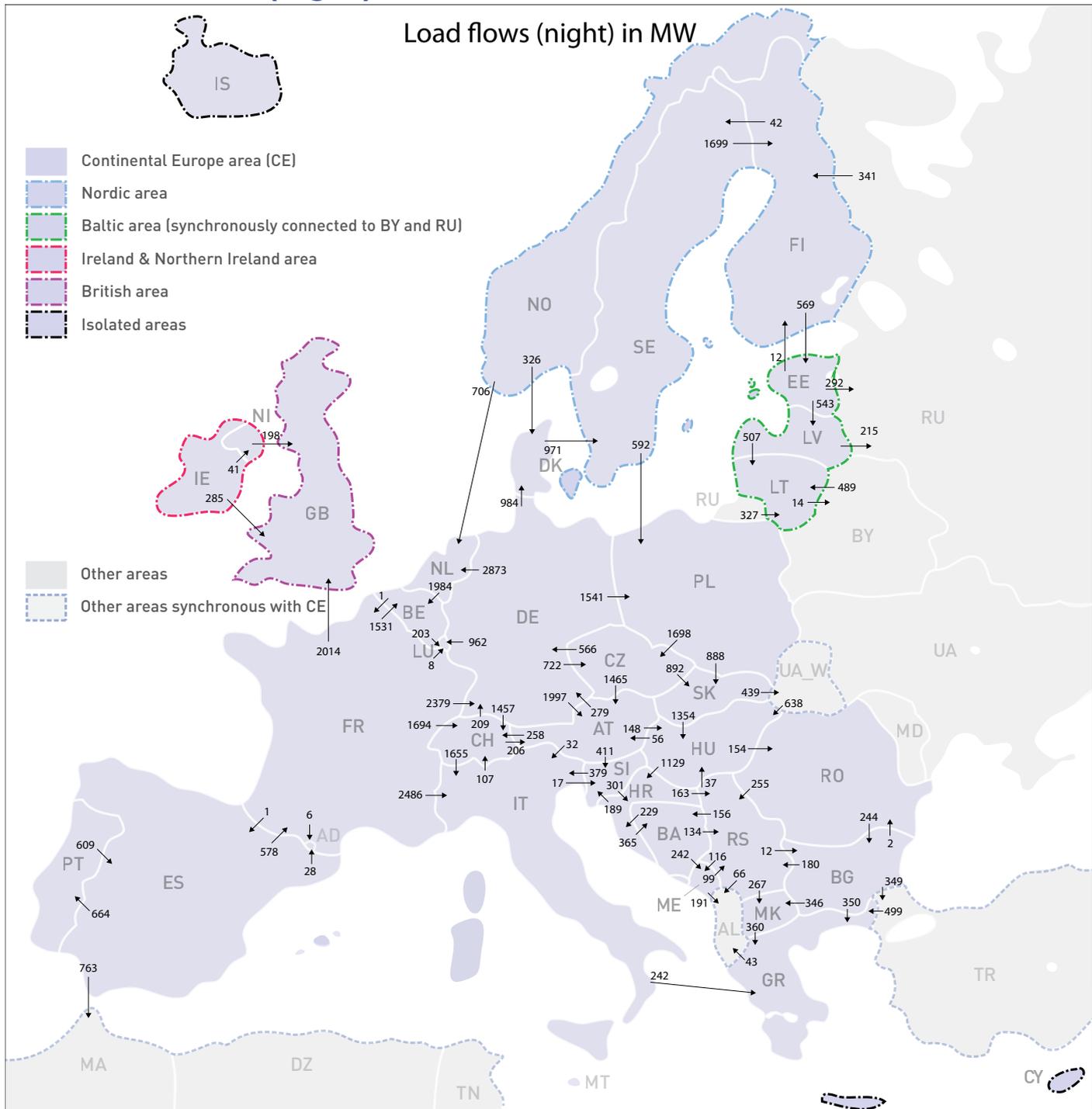
These physical energy flows were measured on the cross-frontier transmission lines (≥ 110 kV) listed in table “Characteristics of the cross-frontier lines” published in the Yearly Statistic & Adequacy Retrospect. These values may differ from the official statistics and the exchange balances on page 4.

3. Overview of the detailed physical energy flows in GWh

	Importing countries																												Sum exp.							
	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	
AT	-	-	-	-	486	-	231	-	-	-	-	-	-	-	-	248	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	395	-	-	1 480
BA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	277	-	-	-	-	-	-	116	-	-	-	-	-	-	-	34	-	-	-	-	427	
BE	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	74	-	-	-	-	2	-	-	-	-	-	-	-	-	-	196	
BG	-	-	-	-	-	-	-	-	-	-	-	-	-	219	-	-	-	-	-	-	-	-	244	-	-	-	-	-	5	198	-	-	-	405	1 071	
CH	20	-	-	-	-	-	178	-	-	-	-	346	-	-	-	-	-	1 798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 342	
CZ	1 005	-	-	-	-	-	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	767	-	2 218	
DE	1 420	-	-	-	1 282	669	-	180	-	-	-	56	-	-	-	-	-	-	-	526	-	-	-	-	2 166	-	1 113	-	-	-	4	-	-	-	7 416	
DK	-	-	-	-	-	-	312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	165	-	-	513		
EE	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	386	-	-	-	-	-	-	-	-	-	-	-	165	-	554	
ES	-	-	-	-	-	-	-	-	-	-	-	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	598	-	-	-	-	-	400	1 094	
FI	-	-	-	-	-	-	-	-	327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	29	-	-	-	361	
FR	-	-	561	-	830	-	904	-	-	565	-	-	1 370	-	-	-	-	1 464	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	10	5 740	
GB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-	-	-	-	-	44	-	-	-	-	-	-	-	-	-	-	-	111
GR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	90	145	
HR	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	192	-	-	308	
HU	20	-	-	-	-	-	-	-	-	-	-	-	-	-	537	-	-	-	-	-	-	-	-	-	-	-	-	-	27	25	-	-	-	-	609	
IE	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102	
IT	2	-	-	-	65	-	-	-	-	-	-	46	-	235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	353	
LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	41	
LU	-	-	12	-	-	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	141	
LV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254	
ME	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	96	180	
MK	-	-	-	-	-	-	-	-	-	-	-	-	-	121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136	
NI	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	
NL	-	-	1 678	-	-	-	26	-	-	-	-	-	613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 317	
NO	-	-	-	-	-	-	807	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	415	-	-	-	-	-	-	-	-	-	1 230	
PL	-	-	-	-	-	1 036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	531	-	1 567	
PT	-	-	-	-	-	-	-	-	357	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	357	
RO	-	-	-	307	-	-	-	-	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	272	-	-	13	666
RS	-	115	-	6	-	-	-	-	-	-	-	-	-	-	49	43	-	-	-	-	-	92	99	-	-	-	-	-	4	-	-	-	-	14	422	
SE	-	-	-	-	-	-	79	611	-	-	1 488	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	221	-	-	-	-	-	-	-	2 399	
SI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	262	-	-	461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	723	
SK	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	352	1 056	
Other ¹	-	-	-	-	-	-	-	53	3	219	-	-	280	-	495	-	-	-	362	-	84	9	-	-	-	-	2	-	60	12	-	-	2	1 581		
Sum imp.	2 467	248	2 251	313	2 663	1 720	2 297	1 598	380	925	1 718	664	2 087	855	1 125	1 549	88	3 874	616	636	473	217	367	94	2 583	41	1 344	598	96	623	198	592	1 300	1 583		

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

4. Load flows (night) on 16.09.2015 at 03:00 a.m. CET



Import (I) and Export (E) balance

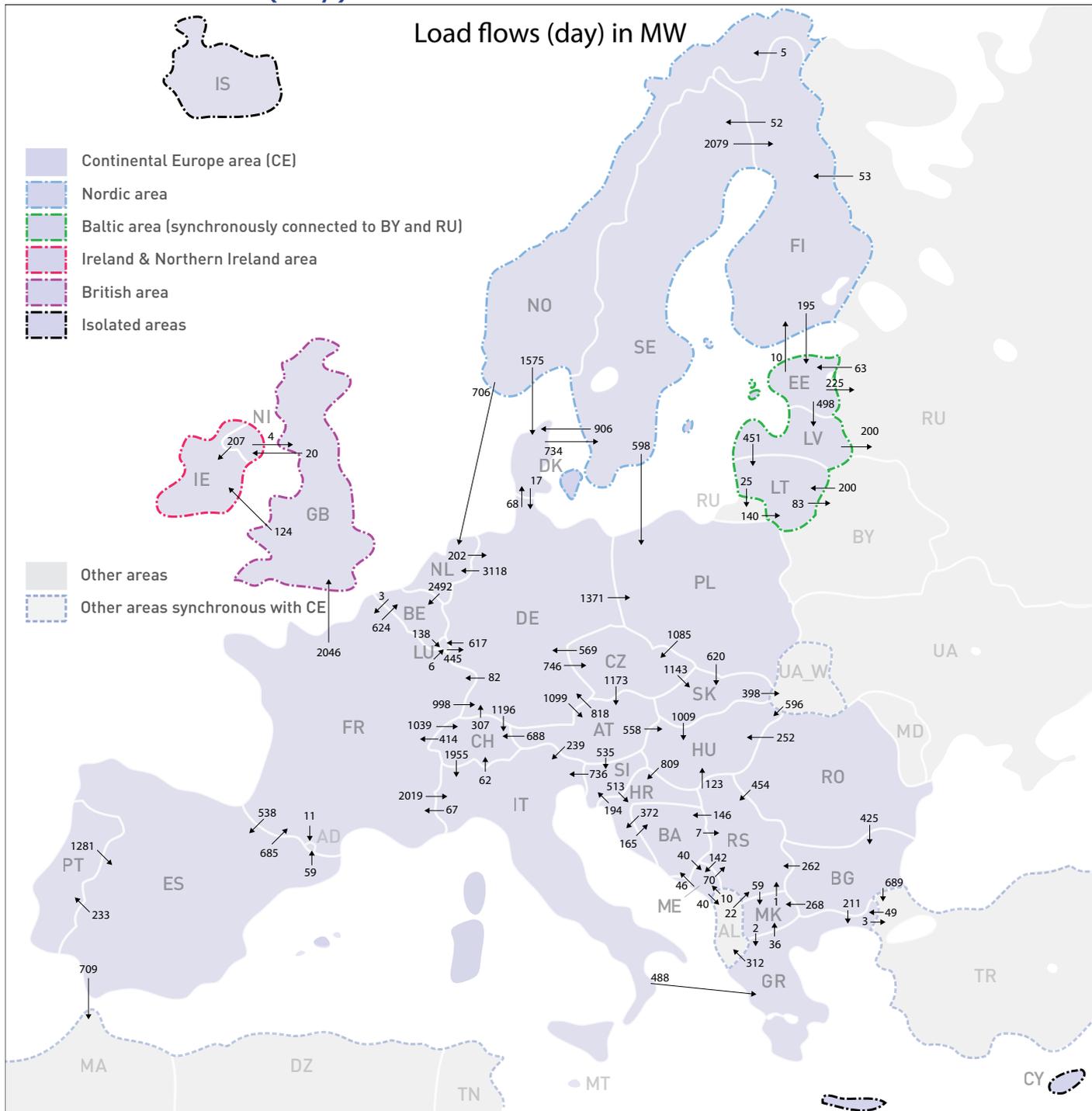
Country	Balance	Country	Balance	Country	Balance	Country	Balance
AT	I = 2596	EE	E = 278	IS ¹	-	NO	E = 1032
BA	E = 84	ES	E = 1423	IT	I = 4186	PL	E = 453
BE	I = 3311	FI	I = 1441	LT	I = 1309	PT	I = 55
BG	E = 971	FR	E = 9540	LU	I = 1173	RO	E = 343
CH	I = 1446	GB	I = 2497	LV	I = 251	RS	I = 177
CY ²	-	GR	I = 1408	ME	I = 68	SE	E = 1278
CZ	E = 503	HR	I = 942	MK	I = 253	SI	E = 63
DE	E = 7103	HU	I = 838	NL	E = 157	SK	E = 13
DK	I = 339	IE	E = 326				

Sum of load flows (night) in MW: ENTSO-E: 47 405 Total: 52 071²

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.

5. Load flows (day) on 16.09.2015 at 11:00 a.m. CET



Import (I) and Export (E) balance

Country	Balance	Country	Balance	Country	Balance	Country	Balance
AT	E = 566	EE	E = 475	IS ¹	-	NO	E = 2276
BA	E = 62	ES	I = 133	IT	I = 4332	PL	I = 264
BE	I = 2975	FI	I = 1890	LT	I = 683	PT	E = 1048
BG	E = 1005	FR	E = 6030	LU	I = 316	RO	E = 1131
CH	I = 309	GB	I = 1906	LV	I = 247	RS	I = 346
CY ¹	-	GR	I = 399	ME	I = 36	SE	E = 2797
CZ	E = 1054	HR	I = 1335	MK	I = 360	SI	E = 520
DE	E = 4941	HU	I = 1729	NI	E = 191	SK	I = 356
DK	I = 1798	IE	I = 331	NL	I = 1130		

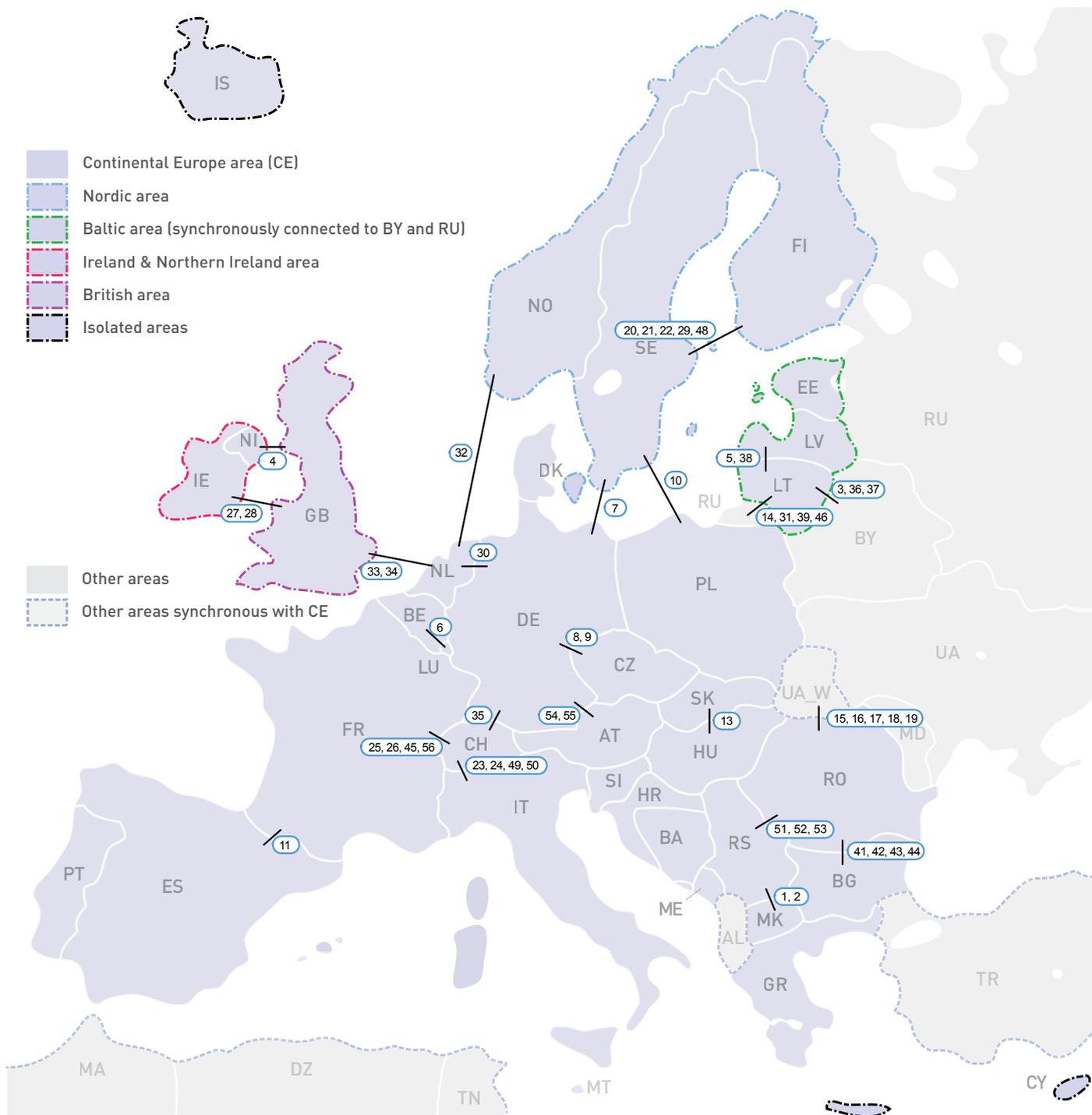
Sum of load flows (day) in MW: ENTSO-E: 46 360 Total: 50 177²

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	01.09.2015 00:00	R9	43 200
2	391.2.1	Skopje 1 (MK)	Kosovo A (RS)	220	311	01.09.2015 00:00	R9	43 200
3	861.1.1	IAE (LT)	Smorgon (BY)	330	832	01.09.2015 00:00	R9	43 200
4	222.2.1	Auchencrosh (GB)	Ballycronamore (NI)	250	250	01.09.2015 01:00	R10	43 140
5	850.1.1	Šiauliai/Telšiai (LT)	Jelgava (Viskali) (LV)	330	696	07.09.2015 08:45	R2	34 035
6	41.1.2	Aubange (BE)	Belval (LU)	220	358	09.09.2015 08:53	R9	30 609
7	401.1.1	Herrenwyk (DE)	Kruseberg (SE)	450	600	14.09.2015 06:37	R1	24 083
8	322.1.2	Hradec Vychod (CZ)	Röhrsdorf (DE)	400	1 386	07.09.2015 07:39	R1	13 083
9	322.1.2	Hradec Vychod (CZ)	Röhrsdorf (DE)	400	1 386	23.09.2015 06:26	R1	3 709
10	704.1.1	Ślupsk (PL)	Stärnö (SE)	450	600	19.09.2015 08:37	R1	16 763
11	151.4.1	Biescas (ES)	Pragnères (FR)	220	290	14.09.2015 09:20	R8	15 910
12	51.3.1	Achene (BE)	Lonny (FR)	380	1 177	14.09.2015 08:18	R1	12 187
13	711.1.1	Göd (HU)	Levice (SK)	400	1 552	05.09.2015 07:49	R1	12 134
14	881.1.1	Bitėnai (LT)	Sovetsk (RU)	330	696	23.09.2015 10:04	R2	10 916
15	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 121	07.09.2015 06:20	R1	751
16	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 121	08.09.2015 06:15	R1	646
17	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 121	09.09.2015 06:24	R1	657
18	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 121	10.09.2015 06:27	R1	682
19	740.1.1	Rosiori (RO)	Mukachevo (UA_W)	400	1 121	11.09.2015 06:22	R1	7 855
20	803.1.1	Raumo (FI)	Forsmark (SE)	400	550	15.09.2015 00:30	R6	585
21	803.1.1	Raumo (FI)	Forsmark (SE)	400	550	19.09.2015 07:18	R6	24
22	803.1.1	Raumo (FI)	Forsmark (SE)	400	550	21.09.2015 10:00	R1	9 360
23	124.1.1	Robbia (CH)	Gorlago (IT)	380	1 330	14.09.2015 07:00	R1	9 240
24	124.1.2	Robbia (CH)	San Fiorano (IT)	380	1 330	14.09.2015 07:00	R1	9 240
25	82.5.1	Riddes (CH)	Cornier (FR)	220	355	07.09.2015 06:30	R1	4 290
26	82.5.1	Riddes (CH)	Cornier (FR)	220	355	14.09.2015 10:00	R1	3 300
27	223.1.1	Deeside (GB)	Woodland (IE)	400	500	08.09.2015 00:00	R1	5 580
28	223.1.1	Deeside (GB)	Woodland (IE)	400	500	28.09.2015 09:00	R1	1 440
29	805.1.1	Raumo (FI)	Finnböle (SE)	500	800	26.09.2015 07:00	R1	6 780
30	11.1.2	Diele (DE)	Meeden (NL)	400	1 535	14.09.2015 07:46	R1	6 183
31	882.1.1	Kruonio HAE (LT)	Sovetsk (RU)	330	696	07.09.2015 11:31	R1	6 025
32	27.1.1	Eemshaven (NL)	Feda (NO)	450	700	01.09.2015 00:00	R1	5 340
33	28.1.1	Isle of Grain (GB)	Maasvlakte (NL)	450	500	14.09.2015 07:00	R1	5 340
34	28.2.1	Isle of Grain (GB)	Maasvlakte (NL)	450	500	14.09.2015 07:00	R1	5 340
35	107.1.1	Laufenburg 220 kV (CH)	Laufenburg 110 kV (DE)	110	200	01.09.2015 00:01	R2	5 339
36	871.1.1	Leipalingis (LT)	Grodno (BY)	110	76	16.09.2015 09:30	R2	3 220
37	871.1.1	Leipalingis (LT)	Grodno (BY)	110	76	21.09.2015 11:20	R2	1 880
38	852.1.1	Klaipėda (LT)	Grobina (LV)	330	696	01.09.2015 10:04	R9	4 658
39	883.1.1	Kybartai (LT)	Nesterovo (RU)	110	76	01.09.2015 10:59	R1	4 646
40	51.1.1	Monceau (BE)	Chooz (FR)	220	360	11.09.2015 11:24	R2	4 572
41	275.1.1	Stupina (RO)	Varna (BG)	400	2 145	14.09.2015 08:09	R1	2 926
42	275.1.1	Stupina (RO)	Varna (BG)	400	2 145	17.09.2015 09:20	R1	407
43	275.1.1	Stupina (RO)	Varna (BG)	400	2 145	18.09.2015 08:00	R1	435
44	275.1.1	Stupina (RO)	Varna (BG)	400	2 145	23.09.2015 08:20	R1	516
45	82.4.1	Vallorcine (CH)	Pressy (FR)	220	355	28.09.2015 07:00	R1	3 900
46	880.1.1	Bitėnai (LT)	Sovetsk (RU)	330	696	28.09.2015 07:16	R2	3 884
47	51.2.2	Avelgem (BE)	Avelin (FR)	380	1 367	28.09.2015 06:35	R1	3 568
48	801.1.1	Petäjäskoski (FI)	Letsi (SE)	400	0	08.09.2015 08:00	R1	3 540
49	123.1.1	Riddes (CH)	Avise (IT)	220	323	17.09.2015 12:26	R6	301
50	123.1.1	Riddes (CH)	Avise (IT)	220	323	24.09.2015 08:00	R1	1 950
51	261.1.1	Djerdap 1 (RS)	Portile de Fier (RO)	400	1 250	01.09.2015 06:42	R1	731
52	261.1.1	Djerdap 1 (RS)	Portile de Fier (RO)	400	1 250	02.09.2015 06:42	R1	770
53	261.1.1	Djerdap 1 (RS)	Portile de Fier (RO)	400	1 250	03.09.2015 08:24	R1	602
54	117.1.1	Silz (AT)	Oberbrunn (DE)	220	793	07.09.2015 11:15	R1	1 710
55	117.1.1	Silz (AT)	Oberbrunn (DE)	220	793	17.09.2015 08:00	R1	225
56	82.1.2	Chamoson (CH)	Bois-Tollot (FR)	380	1 552	10.09.2015 08:30	R9	1 830

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, ...)

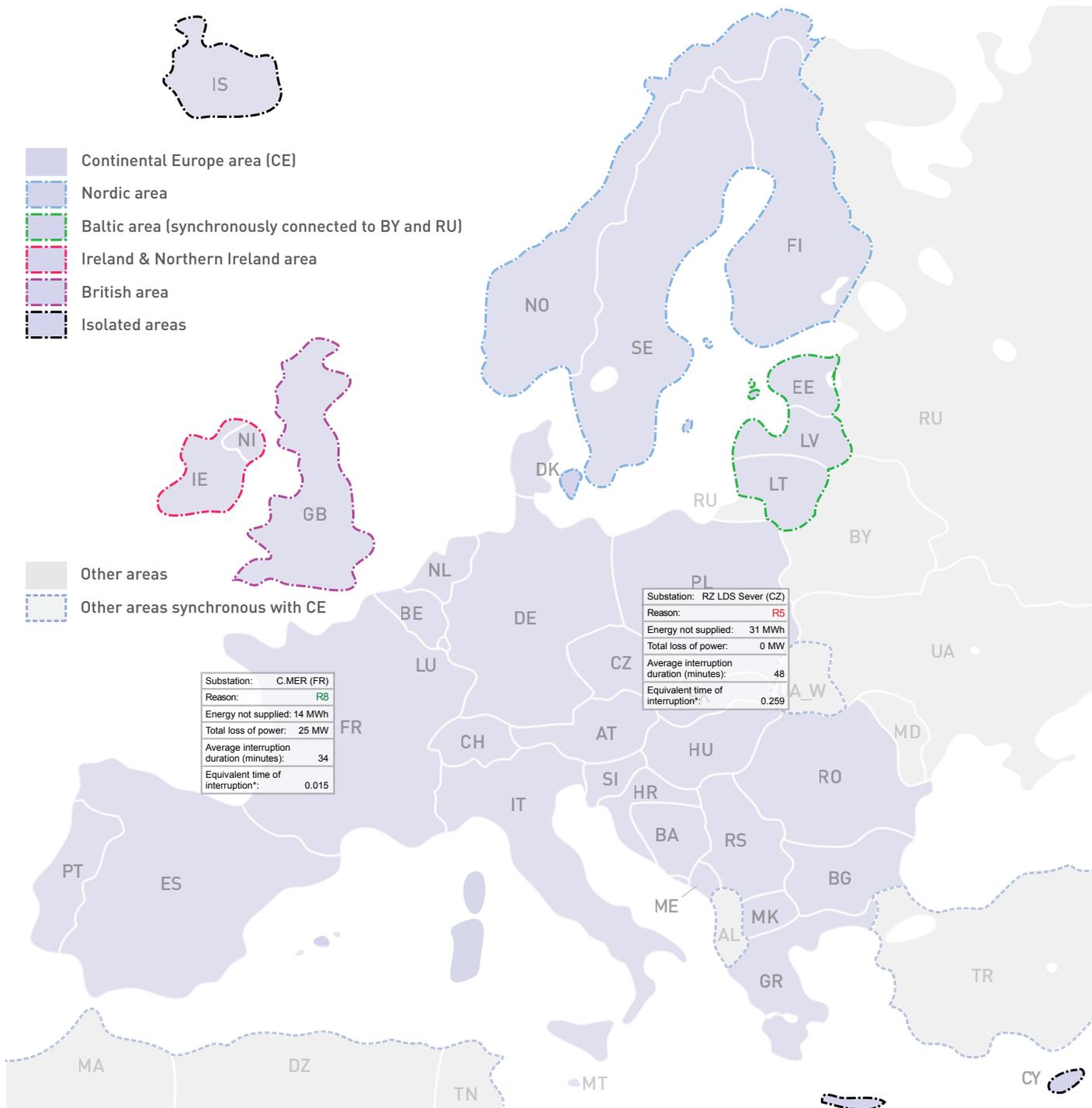
R8: Very exceptional conditions (weather, natural disaster, ...)

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 (Sep. 2014 to Aug. 2015) and includes the reporting month for purposes of comparison.

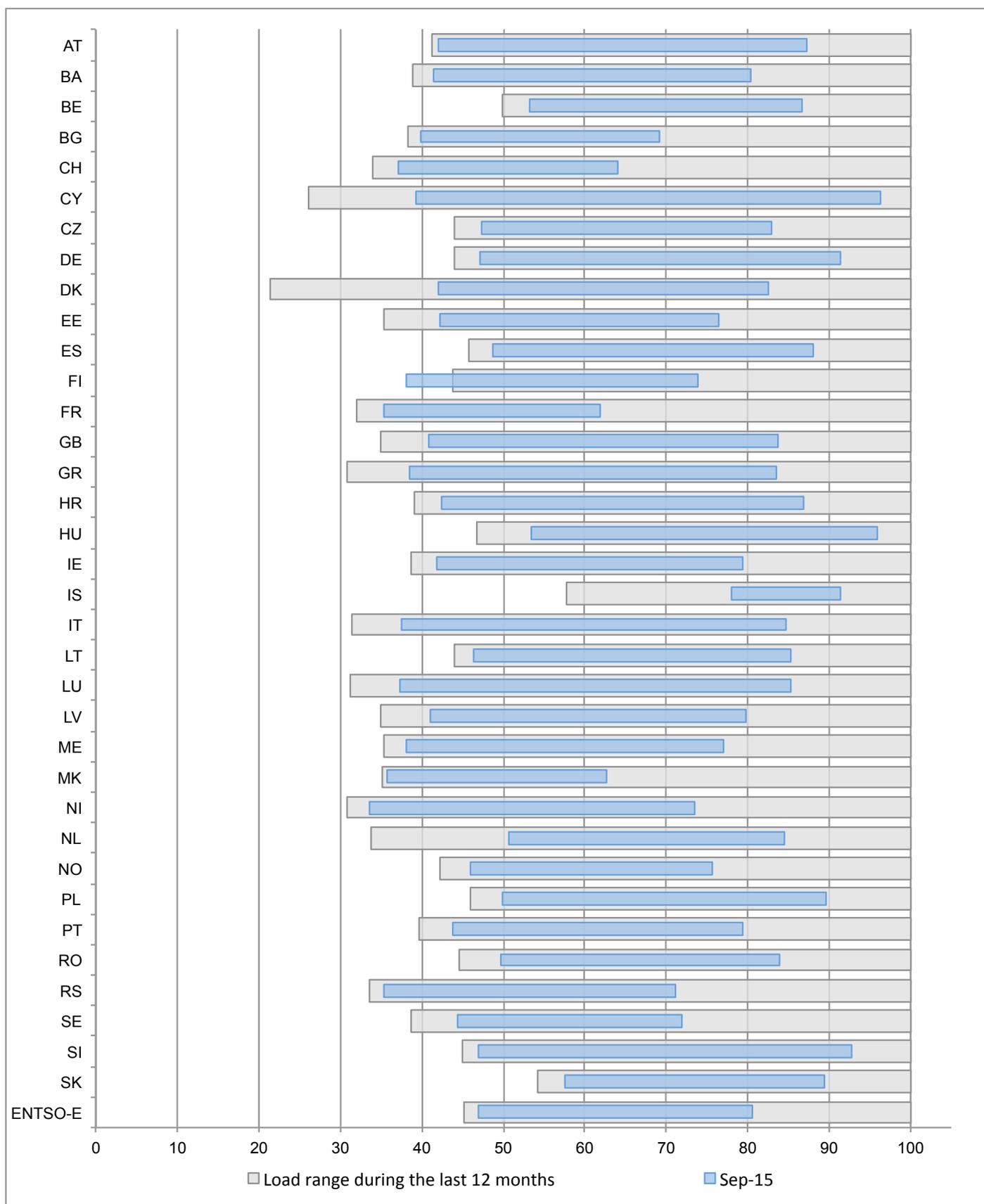
	Highest load values in MW						Lowest load values in MW					
	Last 12 months			Reported month			Last 12 months			Reported month		
	Load value	Date	Time	Load value	Date	Time	Load value	Date	Time	Load value	Date	Time
AT	11 471	10/12/14	17:00	10 018	24/09/15	12:00	4 722	23/08/15	04:00	4 828	06/09/15	05:00
BA	2 207	31/12/14	18:00	1 774	23/09/15	20:00	858	02/05/15	04:00	914	28/09/15	04:00
BE ²	13 129	22/01/15	19:00	11 371	23/09/15	12:00	6 556	02/08/15	07:00	6 995	13/09/15	05:00
BG ²	7 106	31/12/14	19:00	4 914	03/09/15	21:00	2 715	07/09/14	04:00	2 829	27/09/15	05:00
CH	10 155	12/02/15	09:00	6 496	17/09/15	12:00	3 441	17/08/15	05:00	3 774	20/09/15	00:00
CY	954	04/08/15	15:00	919	08/09/15	15:00	248	20/10/14	03:00	375	30/09/15	05:00
CZ	10 058	10/12/14	17:00	8 334	30/09/15	20:00	4 428	02/08/15	06:00	4 754	06/09/15	06:00
DE	81 567	03/12/14	18:00	74 594	17/09/15	12:00	35 938	25/05/15	04:00	38 409	20/09/15	04:00
DK	5 844	10/06/15	11:00	4 822	17/09/15	11:00	1 251	28/03/15	00:00	2 454	20/09/15	04:00
EE	1 408	02/12/14	16:00	1 076	16/09/15	13:00	498	26/07/15	05:00	594	07/09/15	03:00
ES	40 324	04/02/15	21:00	35 524	01/09/15	14:00	18 426	25/12/14	06:00	19 617	20/09/15	06:00
FI	13 567	22/01/15	08:00	10 014	29/09/15	20:00	5 932	21/06/15	05:00	5 162	19/09/15	03:00
FR	91 611	06/02/15	19:00	56 682	16/09/15	12:00	29 299	16/08/15	07:00	32 376	13/09/15	05:00
GB ²	59 576	19/01/15	19:00	49 821	29/09/15	21:00	20 871	12/07/15	07:00	24 381	12/09/15	06:00
GR	9 813	30/07/15	13:00	8 195	07/09/15	13:00	3 021	12/10/14	15:00	3 768	28/09/15	04:00
HR	2 974	31/12/14	18:00	2 584	01/09/15	21:00	1 160	22/06/15	06:00	1 260	14/09/15	04:00
HU	6 106	08/07/15	13:00	5 855	01/09/15	15:00	2 857	25/05/15	06:00	3 262	27/09/15	04:00
IE	4 662	14/01/15	18:00	3 702	29/09/15	22:00	1 804	19/07/15	08:00	1 951	13/09/15	06:00
IS	2 327	25/02/15	14:00	2 127	30/09/15	11:00	1 346	13/10/14	01:00	1 817	13/09/15	01:00
IT	59 648	22/07/15	16:00	50 480	02/09/15	12:00	18 738	26/12/14	05:00	22 408	28/09/15	04:00
LT	1 783	04/12/14	16:00	1 521	15/09/15	10:00	784	12/07/15	05:00	828	07/09/15	03:00
LU	1 087	07/07/15	12:00	928	18/09/15	12:00	339	02/08/15	04:00	405	06/09/15	05:00
LV	1 251	03/12/14	16:00	998	16/09/15	09:00	438	25/06/15	04:00	513	14/09/15	03:00
ME	638	31/12/14	20:00	492	02/09/15	21:00	225	11/05/15	05:00	243	13/09/15	05:00
MK	1 507	31/12/14	18:00	943	06/09/15	21:00	530	02/06/15	04:00	538	13/09/15	05:00
NI	1 745	10/12/14	19:00	1 284	22/09/15	19:00	538	14/07/15	07:00	584	06/09/15	06:00
NL	18 460	03/12/14	18:00	15 615	16/09/15	12:00	6 233	29/11/14	05:00	9 364	27/09/15	05:00
NO	22 530	04/02/15	09:00	17 063	25/09/15	10:00	9 527	23/08/15	06:00	10 345	05/09/15	04:00
PL ³	23 463	10/12/14	17:00	21 015	30/09/15	20:00	10 783	03/05/15	06:00	11 697	13/09/15	07:00
PT	8 618	07/01/15	21:00	6 843	30/09/15	21:00	3 412	05/04/15	08:00	3 767	06/09/15	08:00
RO	8 522	09/12/14	18:00	7 150	02/09/15	21:00	3 799	12/04/15	15:00	4 234	14/09/15	03:00
RS	7 399	31/12/14	18:00	5 269	30/09/15	20:00	2 483	15/09/14	04:00	2 620	14/09/15	04:00
SE	23 870	29/12/14	11:00	17 158	29/09/15	09:00	9 221	19/07/15	06:00	10 576	13/09/15	05:00
SI	2 108	25/11/14	18:00	1 957	01/09/15	14:00	947	26/12/14	04:00	989	27/09/15	05:00
SK	4 119	27/11/14	18:00	3 686	30/09/15	20:00	2 231	02/08/15	06:00	2 374	06/09/15	06:00
ENTSO-E	528 092	05/02/15	19:00	425 556	01/09/15	12:00	238 944	16/08/15	0.29	247 980	13/09/15	05:00

¹ All values are calculated to represent 100% of the national values.

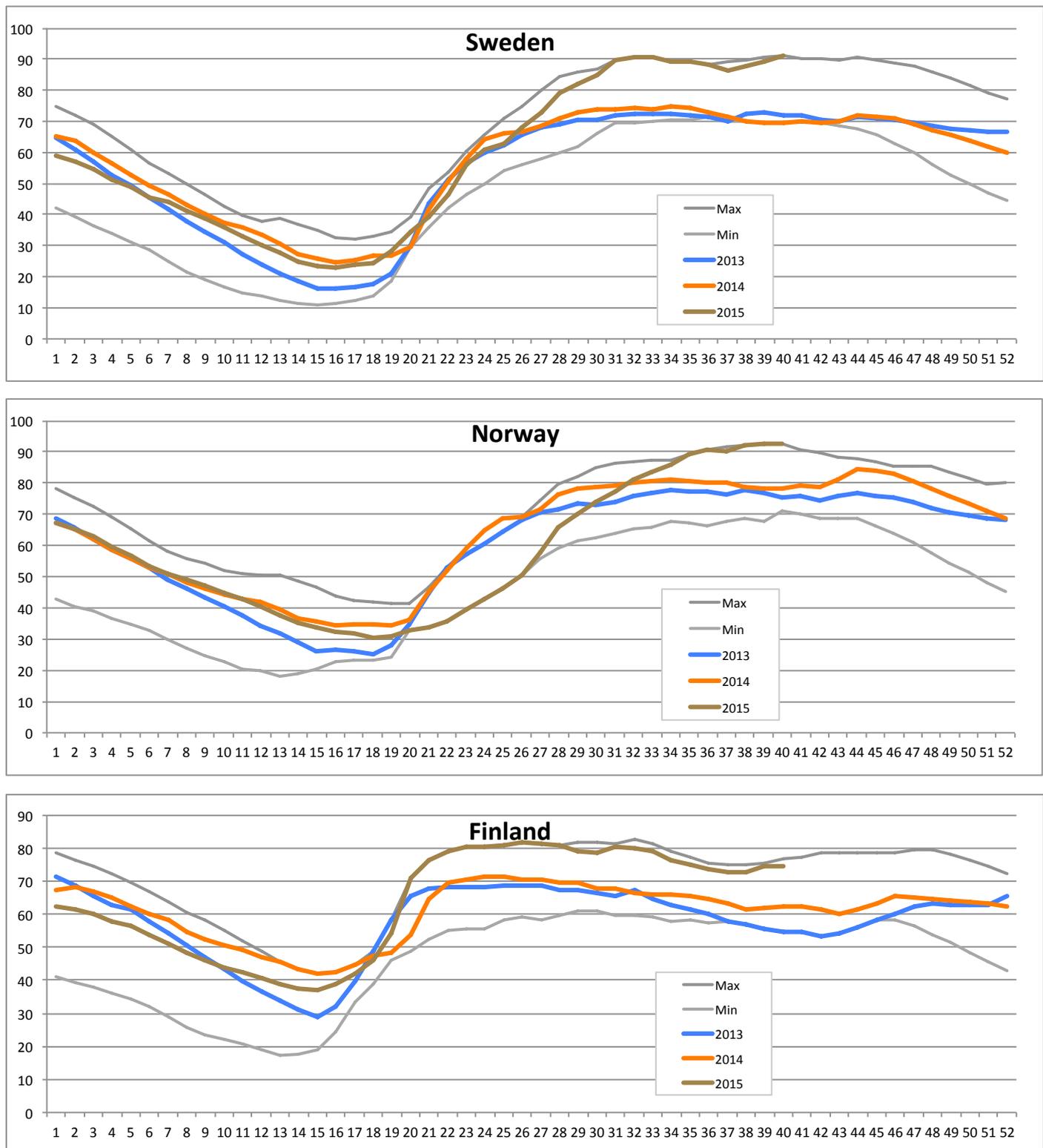
² The reported figures are best estimates based on actual measurements and extrapolations.

³ 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 previous 12 months (Sep. 2014 to Aug. 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/>

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