

Statistical Factsheet 2025

Provisional values as of June 2026



The Statistical Factsheet is based upon data reported to the ENTSO-E Central Transparency Platform, with the exception of grid statistics. Readers are reminded that the content of the Transparency Platform predominantly consists of operational data, which in some instances may be less suitable for statistical purposes.

ENTSO-E in figures – Electricity system data of member TSOs in 2025

Area / Country		Aggregated generation (inclusive storage units)																									Consumption						
		Aggregated generation (exclusive storage units)																						Storage generation / infeed			Storage withdrawal			Net Consumption	Net Consumption (inclusive storage units)	Area / Country	
		Non renewable net generation	Nuclear	Fossil fuels	Fossil Brown coal/Lignite	Fossil Coal-derived gas	Fossil Gas	Fossil Hard coal	Fossil Oil	Fossil Oil shale	Fossil Peat	Waste	Other non-renewable	Renewable Net Generation	Wind Offshore	Wind Onshore	Solar	Biomass	Geothermal	Hydro Run-of-river and poundage	Hydro Water Reservoir	Marine	Other renewable	Total net generation (exclusive storage units)	Total Infeed storage units	Infeed energy storage units (except Pump storage)	Infeed Pump storage	Total net generation (inclusive storage units)	Total withdrawal storage units				Withdrawal energy storage units (except Pump storage)
TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh	TWh		
AL																															7.0	7.0	AL
AT ¹	8.4		7.3			7.3					0.9	0.2	43.8		8.5	5.7	1.9	0.0	24.1	3.6			52.2	4.8		4.8	56.9	3.1		3.1	59.2	62.3	AT ¹
BA	6.9		6.9	6.9									4.2		0.2	0.2			0.6	3.3			11.1	0.2		0.2	11.3				8.3	8.3	BA
BE	36.8	22.6	10.6			10.0		0.5			2.1	1.5	24.6	6.8	5.4	10.2	2.0		0.2				61.4	1.1	0.3	0.9	62.5	1.2		1.2	80.4	81.5	BE
BG ²	26.1	14.6	11.5	9.2		1.9	0.4				0.0		10.4		1.3	6.4	0.1		1.1	1.5			36.5	0.2		0.2	36.7				37.9	37.9	BG ²
CH	18.4	18.4											29.6		0.2	5.2			14.5	9.8			48.0	8.0		8.0	55.9				62.4	62.4	CH
CY	2.9		2.9					2.9					1.0		0.1	0.8	0.0						3.9				3.9				4.9	4.9	CY
CZ	58.3	30.3	27.4	23.0	0.0	3.7	0.7	0.0			0.3	0.3	12.1		0.6	4.7	2.9		0.9	0.7		2.3	70.4	1.0		1.0	71.4	1.4		1.4	62.6	64.0	CZ
DE	170.2		162.8	67.2	4.1	60.5	28.2	2.8			5.6	1.8	257.8	26.2	106.8	73.8	35.9	0.2	12.9	1.3		0.7	428.0	9.9		9.9	437.9	12.7		12.7	465.8	478.5	DE
DK	5.5		4.5			1.7	2.4	0.3			1.0		27.2	9.1	10.1	4.3	3.6						32.8				32.8				38.4	38.4	DK
EE	2.0		1.9		0.5	0.0			1.4		0.1		2.8		1.3	1.1	0.4		0.0			0.0	4.8				4.8				7.9	7.9	EE
ES	107.3	51.9	53.7			52.1	1.3	0.2			1.6	0.1	142.6		55.6	52.5	3.7		8.4	21.9		0.6	249.9	9.1	0.0	9.1	259.0	9.4		9.4	238.4	247.8	ES
FI	35.8	31.3	2.4			0.9	0.4	0.0		1.1	0.4	1.8	43.6		21.6	1.3	8.5		12.0			0.2	79.4	0.0	0.0		79.4	0.0	0.0		84.6	84.6	FI
FR	392.3	371.4	17.8			16.3	0.5	1.0			3.1		133.1	5.7	42.9	30.3	2.7		37.8	13.8			525.4	8.4	0.0	8.4	533.9	7.9	0.1	7.8	434.4	442.3	FR
GB ³	1.5		1.5			1.4		0.0				0.0	2.3		2.3								3.7				3.7				4.4	4.4	GB ³
GR	25.6		25.6	2.7		22.9							24.5		10.5	11.5				2.5			50.1	0.9		0.9	51.0				50.2	50.2	GR
HR	3.1		3.0			2.4	0.7	0.0			0.1		9.1		3.1	0.5	0.6		1.4	3.2		0.3	12.2	0.4		0.4	12.6	0.3		0.3	18.2	18.5	HR
HU	24.7	15.2	9.0	1.2		7.4	0.3	0.0			0.1	0.4	9.2		0.6	6.8	1.5	0.0	0.1	0.1		0.1	33.9				33.9				43.2	43.2	HU
IE	10.9		10.9			8.7	0.6	1.2		0.5		0.0	11.7		11.1				0.6				22.7	0.3		0.3	23.0	0.5		0.5	33.2	33.7	IE
IT	124.6		109.5		4.3	101.5	3.2	0.6			0.0	15.1	93.0	0.0	21.2	34.0	6.0	1.3	25.4	4.7		0.4	217.7	3.7	1.3	2.4	221.4	3.0	1.2	1.8	277.1	280.1	IT
LT	2.6		1.4			1.4					0.7	0.4	5.9		3.8	1.6	0.2		0.3				8.5	0.5	0.0	0.5	9.0	0.6		0.6	11.8	12.4	LT
LU ⁴	0.2		0.1			0.1					0.1		1.2		0.5	0.4	0.2		0.1	0.0			1.4				1.4				4.8	4.8	LU ⁴
LV	1.6		1.6			1.6						0.0	4.2		0.2	0.7	0.4		2.9				5.8	0.0	0.0		5.8				7.2	7.2	LV
MD	1.7		1.7			1.7							0.5		0.1	0.2	0.0		0.2				2.2				2.2				5.2	5.2	MD
ME	0.5		0.5	0.5									1.6		0.3					1.3			2.1				2.1				3.1	3.1	ME
MK	3.1		3.1	2.1		1.0							0.9		0.1					0.8			4.1				4.1				4.4	4.4	MK
NL	93.8	3.8	43.9			31.5	12.4				2.8	43.3	24.2	15.7	7.1	0.5	1.0						118.0				118.0				116.9	116.9	NL
NO	1.4		1.1			1.1					0.3		155.6	0.0	13.5	0.0	0.0		28.1	113.5		0.5	157.0	2.5		2.5	159.5	0.1		0.1	137.0	137.1	NO
PL	112.0		106.8	30.6	1.5	21.0	52.2	1.5				5.2	46.0		21.9	19.2	2.9		0.9	0.5		0.5	157.9	1.1		1.1	159.0	1.5		1.5	158.4	159.9	PL
PT ⁵	7.9		7.7			7.7						0.2	34.7	0.1	13.4	6.1	2.8		8.8	3.5			42.7	6.3		6.3	49.0	5.2		5.2	53.0	58.2	PT
RO ⁶	26.2	10.1	16.1	6.4		9.6	0.1						21.2		5.9	2.7	0.4		8.0	4.2			47.4	0.2	0.2		47.6				53.5	53.5	RO
RS	23.7		23.5	21.9		1.6						0.2	9.7		1.3		0.3		7.5	0.6			33.4	0.5		0.5	33.9				34.3	34.3	RS
SE	50.4	44.6	0.0			0.0						5.8	109.5		38.8	2.3				68.4			159.9				159.9				129.5	129.5	SE
SI	8.4	5.5	2.8	1.8		1.0		0.0			0.0		4.8		0.0	0.8	0.1		3.9				13.1	0.3		0.3	13.5				12.5	12.5	SI
SK	23.4	19.3	3.3	0.1		2.8		0.4				0.8	5.0		0.0	0.6	0.9		2.8	0.3		0.5	28.4	0.6		0.6	29.0	0.8		0.8	25.8	26.6	SK
XK [*]	4.8		4.8	4.8																			4.8				4.8				6.8	6.8	XK [*]
ENTSO-E ^{**}	1 423.1	639.0	687.8	178.6	10.4	380.9	103.3	11.5	1.4	1.6	19.2	77.1	1 307.6	63.5	410.1	284.3	79.1	1.5	203.4	259.3	0.0	6.2	2 730.6	60.1	1.8	58.3	2 790.7	46.2	47.5	1.3	47.5	2 783.0	ENTSO-E ^{**}
%	50.99	22.90	24.64	6.40	0.37	13.65	3.70	0.41	0.05	0.06	0.69	2.76	46.85	2.28	14.70	10.19	2.83	0.05	7.29	9.29	0.00	0.22	97.85	2.15	0.07	2.09	100.0						%
EU ^{***}	1 361.1	620.6	644.6	142.3	10.4	374.1	103.3	11.5	1.4	1.6	18.9	76.9	1 103.1	63.5	392.2	278.8	78.8	1.5	152.4	130.1	0.0	5.7	2 464.2	49.0	1.8	47.2	2 513.2	46.1	47.4	1.3	47.4	2 510.0	EU ^{***}
%	54.16	24.70	25.65	5.66	0.41	14.88	4.11	0.46	0.06	0.06	0.75	3.06	43.89	2.53	15.61	11.10	3.13	0.06	6.07	5.18	0.00	0.23	98.05	1.95	0.07	1.88	100.0						%
GE		2.8				2.8								9.8		0.1			4.5	5.1												14.7	GE

¹ All values from Transparency Platform for Austria are for the control area AT and not the country AT (some power plants and lines located in Austria are part of the German control areas TenneT DE and TransnetBW).

² The presented figures for BG are actually gross generation and gross consumption, power plants auxiliary consumption is included. This is due to the fact that data for this report is taken from Transparency Platform.

³ All data with the country code GB represents the available data in ENTSO-E Transparency Platform for England, Northern Ireland, Scotland and Wales.

⁴ All values from Transparency Platform for Luxembourg are for the monitoring area LU and not the country LU (the power plant Vianden and the lines around it located in Luxembourg are part of the German control area Amprion / Creos and some industrial consumers are directly connected to the French and to the Belgian control areas).

⁵ Hydro Pumped Storage includes generation from natural flows and from pumped storage. This leads to a lower renewable generation share since generation from natural flows is not being considered renewable.

Net Generation Capacity (inclusive storage units)⁷

Area / Country	Net Generation Capacity (exclusive storage units)																							
	Non renewable net generation	Nuclear	Fossil fuels	Fossil Brown coal/Lignite	Fossil Coal-derived gas	Fossil Gas	Fossil Hard coal	Fossil Oil	Fossil Oil shale	Fossil Peat	Waste	Other non-renewable	Renewable Net Generation	Wind Offshore	Wind Onshore	Solar	Biomass	Geothermal	Hydro Run-of-river and pondage	Hydro Water Reservoir	Marine	Other renewable	Total NGC (exclusive storage units)	Total Storage
	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW
AL				0			0						2 315		0				587	1 728			2 315	
AT [†]	5 333	0	4 350	0	0	4 225	0	125	0	0	128	855	21 265	0	4 035	8 254	549	0	5 895	2 532	0	0	26 598	3 512
BA	1 883		1 883	1 883									2 260		308	244			252	1 456			4 143	440
BE	13 209	3 929	8 938			8 348		590			329	14	17 011	2 262	3 177	10 696	731		144				30 220	1 702
BG [*]	7 191	2 000	5 185	4 119	0	730	336	0	0	0	6	0	9 230	0	715	6 104	57	0	547	1 807	0	0	16 421	2 246
CH [‡]	2 983	2 983											6 412						635	5 777			9 395	6 697
CY	1 481		1 481					1 481					561		157	400	4						2 042	
CZ	14 200	4 040	10 060	7 240	380	1 240	1 200	0			100	0	6 758		366	4 415	410		340	767		460	20 958	1 172
DE	80 713		76 571	15 178	1 915	36 614	15 951	6 914			1 863	2 279	173 376	9 215	63 192	86 408	8 766	46	3 901	1 449		400	254 089	20 393
DK	3 931		3 931			1 633	1 597	701					11 081	2 639	2 999	3 228	2 215						15 012	
EE	1 459	0	1 422	0	78	14	0	0	1 330	0	17	20	2 014	0	682	1 174	150	0	8	0	0	0	3 473	
ES	40 228	7 117	32 435	0	0	29 943	1 820	672	0	0	546	130	78 228	0	30 932	29 047	709	0	1 154	15 765	0	621	118 455	3 418
FI	9 806	4 364	4 963			1 742	1 321	1 051		850	93	386	13 770		8 224	47	1 942		3 195		362		23 576	
FR	82 653	62 990	17 577			12 788	1 811	2 979			1 063	1 023	68 981	1 028	22 907	22 860	1 413	2	11 737	8 791	243		151 634	5 061
GR	7 830		7 830	1 800		6 030		0					17 211		5 225	9 000	146	0	305	2 403		132	25 041	699
HR	1 068		1 060			798	217	45			8		3 803		1 240	450	114	10	428	1 446		115	4 871	281
HU	6 340	1 916	4 229	787		2 975	42	425			49	146	9 055		325	8 281	314	3	34	28		70	15 395	
IT	55 508		54 400	0	2 076	45 549	5 227	1 548		0	671	437	38 458	30	12 233	8 922	1 539	868	10 317	4 548	0	1	93 966	7 245
LT	1 610		1 503			1 503		0			70	37	3 795		1 683	1 787	196		129			0	5 405	900
LU [‡]	92	0	68	0	0	68	0	0	0	0	24	0	873	0	211	544	85	0	22	11	0	0	965	
LV	1 112		1 112			1 112							2 340		136	450	166		1 588				3 452	
MK	1 240		1 240	824		251		165					755		37	67	7			644			1 995	
NL	23 688	486	22 424	0	0	18 412	4 012	0	0	0	777	1	41 655	4 739	7 178	29 282	418	0	38	0	0	0	65 343	
NO	602		478			478					93	31	39 211	6	5 133	17	14		7 230	26 712		100	39 813	1 065
PL	33 436		31 698	6 951	470	5 341	18 544	393				1 738	29 541		10 299	17 816	636		322	468			62 978	1 525
PT	4 447	0	4 419	0	0	4 419	0	0	0	0	0	28	13 311	25	5 366	2 589	687	0	2 856	1 789	0	0	17 758	3 707
RO	5 641	1 300	4 341	2 027		2 179	135						10 866		3 027	1 588	119		2 780	3 352			16 507	137
RS	6 795		6 729	6 121		609					32	33	3 355		740	73	2		2 055	484			10 149	642
SE	13 600	6 900										6 700	39 400		18 000	5 000				16 400			53 000	
SI	2 719	700	2 013	1 191		764		58			6		2 593		3	1 411	33		1 146				5 312	180
ENTSO-E ^{***}	430 797	98 725	312 340	48 120	4 919	187 764	52 212	17 146	1 330	850	5 875	13 857	669 484	19 944	208 531	260 153	21 423	929	57 644	98 357	243	2 261	1 100 281	61 021
%	37.10	8.50	26.90	4.14	0.42	16.17	4.50	1.48	0.11	0.07	0.51	1.19	57.65	1.72	17.96	22.40	1.84	0.08	4.96	8.47	0.02	0.19	94.75	5.25
EU ^{***}	417 294	95 742	302 010	39 292	4 919	186 426	52 212	16 981	1 330	850	5 750	13 793	615 177	19 938	202 313	259 752	21 399	929	46 886	61 556	243	2 161	1 032 471	52 177
%	38.47	8.83	27.84	3.62	0.45	17.19	4.81	1.57	0.12	0.08	0.53	1.27	56.72	1.84	18.65	23.95	1.97	0.09	4.32	5.68	0.02	0.20	95.19	4.81
GE	1 190		1 190			1 190							3 489		29				1 073	2 387			4 679	

⁶ Gross load values.

⁷ Sum of generation capacity (MW) installed for all existing production units equaling to or exceeding 1 MW installed generation capacity as of 1st of January 2025.

^{*} The given NGC for BG are gross figures.

[‡] Reported hydro run-of-river and pondage aggregated installed capacity for CH includes only units with capacity ≥100 MW.

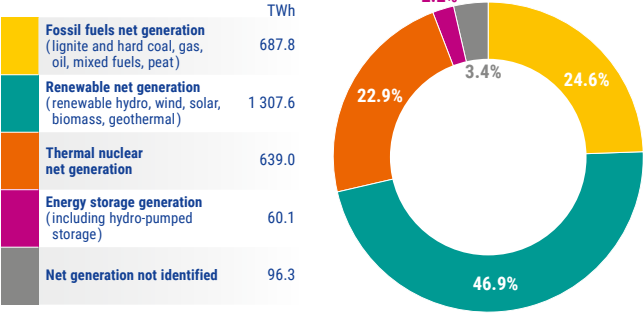
[†] This designation is without prejudice to positions on status, and is in line with UNSC 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

^{**} Calculated sum of the ENTSO-E member TSOs (GE values are not included).

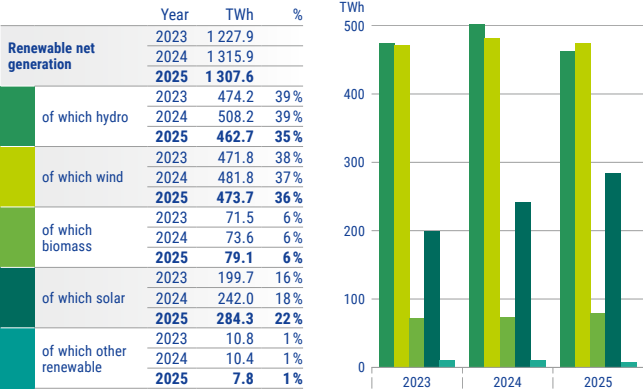
^{***} The 27 member countries of the EU are Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain and Sweden. Please note that, as it does not have a TSO, Malta is not a member of ENTSO-E and thus the Statistical Factsheet includes data from all EU countries except Malta.

Generation

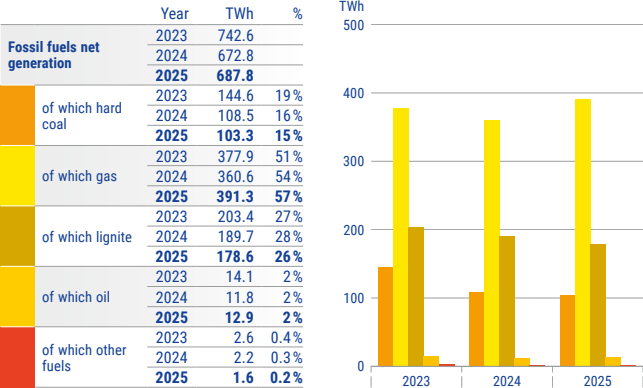
Generation mix in ENTSO-E member TSOs in 2025¹



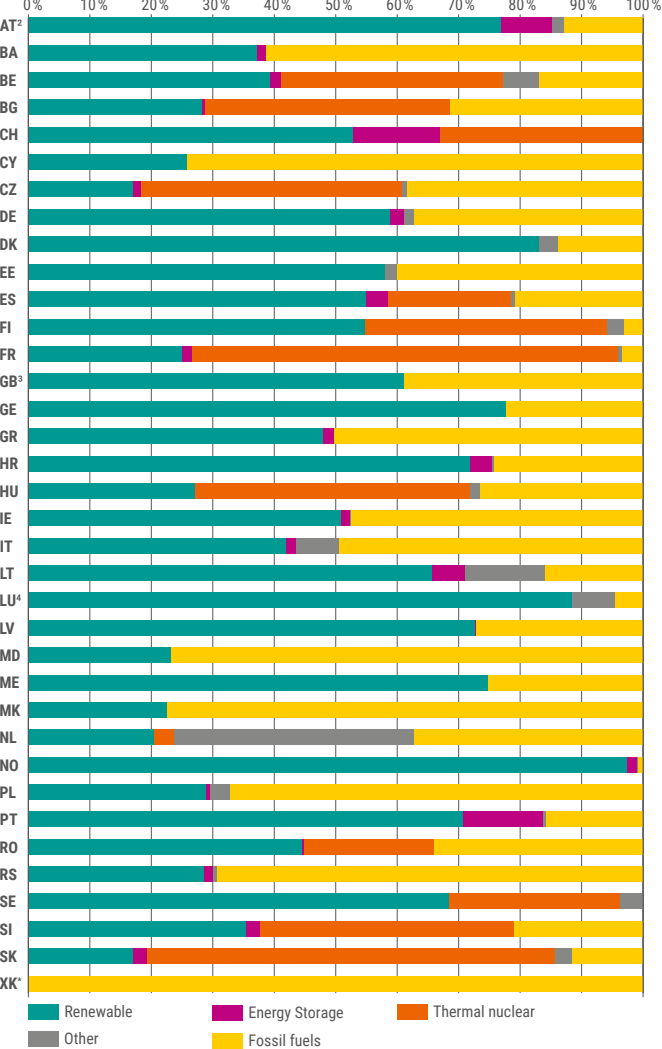
ENTSO-E renewable generation¹



ENTSO-E fossil fuels generation¹



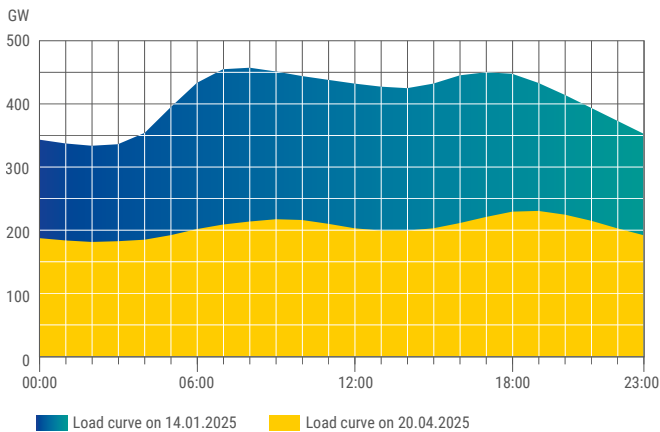
Share of energy produced of each member TSOs 2025 in %¹



¹ Share of energy produced, based on the aggregated generation for each ENTSO-E TSO.
² All values from Transparency Platform for Austria are for the control area AT and not the country AT (some power plants and lines located in Austria are part of the German control areas TenneT DE and TransnetBW).
³ All data with the country code GB represents the available data in ENTSO-E Transparency Platform for England, Northern Ireland, Scotland and Wales.
⁴ All values from Transparency Platform for Luxembourg are for the monitoring area LU and not the country LU (the power plant Vianden and the lines around it located in Luxembourg are part of the German control area Amprion/Creos and some industrial consumers are directly connected to the French and to the Belgian control areas).
⁵ This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

ENTSO-E peak load 2025

2025 ENTSO-E load diagram on the days of the highest and lowest load values



Values in MW on the days of highest and lowest ENTSO-E load values^{1,2}

14.01.2025 18:00 – 19:00	20.04.2025 05:00 – 06:00	14.01.2025 18:00 – 19:00	20.04.2025 05:00 – 06:00	14.01.2025 18:00 – 19:00	20.04.2025 05:00 – 06:00			
AL	1 527	680	FR	82 982	37 043	NO	19 787	13 465
AT ³	9 510	4 800	GR	7 829	3 701	PL	24 116	12 021
BA	1 796	961	HR	2 969	1 433	PT	8 537	3 921
BE	12 095	7 101	HU	6 920	3 362	RO	8 440	3 745
BG ⁴	6 692	2 631	IE	5 144	3 145	RS	5 378	2 797
CH	9 496	5 360	IT	44 093	18 816	SE	19 246	12 628
CY	770	413	LT	1 705	1 075	SI	2 054	968
CZ	9 494	5 257	LU ⁵	706	411	SK	3 932	2 227
DE	71 607	37 696	LV	995	636	UK ^{6*}		513
DK	5 345	3 335	MD	837	348	XK ^{**}	1 301	430
EE	1 129	734	ME	517	209	ENTSO-E ⁷	445 038	230 100
ES	37 605	19 094	MK	1 124	236	GE	1 758	1 457
FI	11 532	8 870	NL	17 584	10 038			

¹ This is the average of the hour.

² All times are in UTC.

³ All values from Transparency Platform for Austria are for the control area AT and not the country AT (some power plants and lines located in Austria are part of the German control areas TenneT DE and TransnetBW).

⁴ The presented load for BG includes power plant auxiliary consumption in it.

⁵ All values from Transparency Platform for Luxembourg are for the monitoring area LU and not the country LU (the power plant Vianden and the lines around it located in Luxembourg are part of the German control area Amprion/Creos and some industrial consumers are directly connected to the French and to the Belgian control areas)

⁶ All data with the country code UK represents the available data in ENTSO-E Transparency Platform for England, Northern Ireland, Scotland and Wales.

⁷ Calculated load values as sum of the ENTSO-E member TSOs (GE values are not included).

* Incomplete publication in the Transparency Platform.

** This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Highest and lowest hourly load values for 2025 in MW¹

HIGHEST LOAD			VALUE	LOWEST LOAD			VALUE
	Date	Time ²	(in MW)	Date	Time ²	(in MW)	
AL [*]	31.12.25	17:00 – 18:00	1 910	02.11.25	02:00 – 03:00	416	
AT ³	14.01.25	07:00 – 08:00	10 402	13.07.25	02:00 – 03:00	4 124	
BA	31.12.25	16:00 – 17:00	2 209	01.05.25	11:00 – 12:00	591	
BE	17.02.25	09:00 – 10:00	13 031	12.10.25	02:00 – 03:00	6 121	
BG ⁴	20.02.25	17:00 – 18:00	7 337	26.10.25	01:00 – 02:00	749	
CH	14.01.25	10:00 – 11:00	10 330	20.07.25	03:00 – 04:00	4 219	
CY	28.07.25	13:00 – 14:00	1 244	18.03.25	02:00 – 03:00	315	
CZ	19.02.25	08:00 – 09:00	10 794	03.08.25	01:00 – 02:00	4 222	
DE	27.11.25	16:00 – 17:00	75 635	07.09.25	01:00 – 02:00	33 233	
DK	13.01.25	16:00 – 17:00	6 252	14.06.25	03:00 – 04:00	2 455	
EE [*]	19.02.25	08:00 – 09:00	1 438	27.09.25	11:00 – 12:00	412	
ES [*]	15.01.25	19:00 – 20:00	39 696	02.05.25	02:00 – 03:00	17 643	
FI	31.12.25	10:00 – 11:00	13 561	21.06.25	01:00 – 02:00	6 602	
FR [*]	14.01.25	07:00 – 08:00	86 646	04.05.25	03:00 – 04:00	29 310	
GR	25.07.25	11:00 – 12:00	10 370	20.04.25	13:00 – 14:00	3 207	
HR	03.07.25	17:00 – 18:00	3 150	20.04.25	13:00 – 14:00	1 141	
HU	20.01.25	10:00 – 11:00	7 395	21.04.25	11:00 – 12:00	2 211	
IE [*]	08.01.25	17:00 – 18:00	5 947	01.06.25	04:00 – 05:00	2 800	
IT	03.07.25	14:00 – 15:00	49 618	21.04.25	01:00 – 02:00	17 378	
LT [*]	10.02.25	08:00 – 09:00	2 141	16.08.25	10:00 – 11:00	736	
LU ⁵	04.02.25	10:00 – 11:00	813	02.05.25	01:00 – 02:00	347	
LV	28.11.25	07:00 – 08:00	1 208	24.06.25	02:00 – 03:00	477	
MD [*]	19.11.25	14:00 – 15:00	1 110	14.09.25	13:00 – 14:00	222	
ME	11.08.25	18:00 – 19:00	702	29.04.25	02:00 – 03:00	139	
MK [*]	31.12.25	16:00 – 17:00	1 338	09.03.25	23:00 – 00:00	0	
NL	19.11.25	16:00 – 17:00	19 556	01.06.25	04:00 – 05:00	9 592	
NO [*]	06.01.25	15:00 – 16:00	23 414	14.06.25	03:00 – 04:00	10 493	
PL	24.11.25	11:00 – 12:00	26 049	21.04.25	03:00 – 04:00	10 596	
PT	03.12.25	19:00 – 20:00	9 358	28.04.25	12:00 – 13:00	90	
RO	19.02.25	17:00 – 18:00	8 883	20.04.25	11:00 – 12:00	2 547	
RS	17.01.25	16:00 – 17:00	5 766	21.04.25	02:00 – 03:00	2 299	
SE	13.01.25	08:00 – 09:00	23 187	14.07.25	02:00 – 03:00	9 075	
SI	20.02.25	06:00 – 07:00	2 249	02.05.25	11:00 – 12:00	496	
SK [*]	21.01.25	08:00 – 09:00	4 157	03.08.25	03:00 – 04:00	1 919	
UK ^{6*}	08.01.25	18:00 – 19:00	1 478	31.08.25	04:00 – 05:00	379	
XK ^{7*}	31.12.25	16:00 – 17:00	1 589	07.06.25	03:00 – 04:00	311	
GE	30.07.25	10:00 – 11:00	2 508	19.04.25	07:00 – 08:00	906	

¹ This is the average of the hour.

² All times are in UTC.

³ All values from Transparency Platform for Austria are for the control area AT and not the country AT (some power plants and lines located in Austria are part of the German control areas TenneT DE and TransnetBW).

⁴ The presented load for BG includes power plant auxiliary consumption in it.

⁵ All values from Transparency Platform for Luxembourg are for the monitoring area LU and not the country LU (the power plant Vianden and the lines around it located in Luxembourg are part of the German control area Amprion/Creos and some industrial consumers are directly connected to the French and to the Belgian control areas).

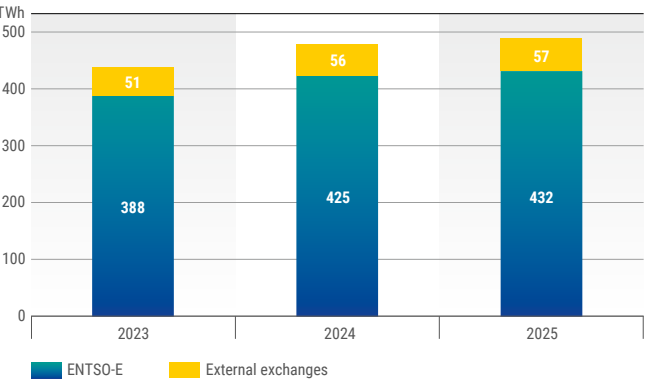
⁶ All data with the country code UK represents the available data in ENTSO-E Transparency Platform for England, Northern Ireland, Scotland and Wales.

⁷ Incomplete yearly publication in the Transparency Platform.

⁸ This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Development of exchanges

Development of overall cross-border exchanges of ENTSO-E member TSOs



Overview electricity exchanges for the past 3 years in GWh

	All Exchanges	ENTSO-E	External ¹
2023	438 885	388 175	50 710
2024	480 390	424 726	55 664
2025	489 093	432 064	57 029

¹ External exchanges include Armenia, Azerbaijan, Belarus, Georgia, Moldova (until Nov 2023), Russia, Syria and the United Kingdom.

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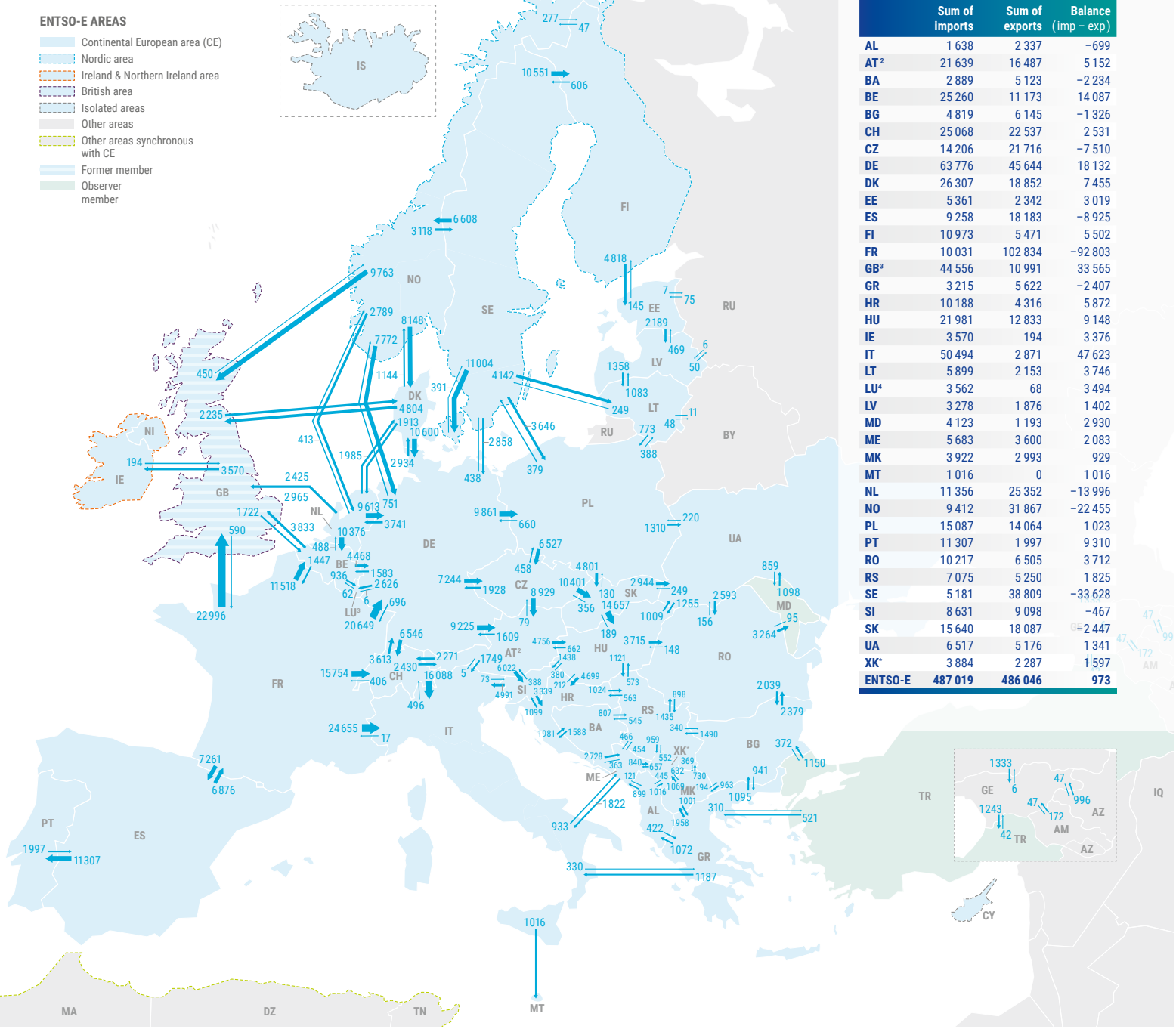
Contribution : ENTSO-E Market Information and Transparency Working Group and Transparency Platform Coordinators

Design: DreiDreizehn GmbH, Berlin | www.313.de

Images: iStockphoto.com/in-future

Publishing date: July 2026

Physical energy flows¹



Map section of the Balkans



¹ Hourly netted physical flow values measured in GWh.

² All values from Transparency Platform for Austria are for the control area AT and not the country AT (some power plants and lines located in Austria are part of the German control areas TenneT DE and TransnetBW).

³ All data with the country code GB represents the available data in ENTSO-E Transparency Platform for England, Northern Ireland, Scotland and Wales.

⁴ All values from Transparency Platform for Luxembourg are for the monitoring area LU and not the country LU (the power plant Vianden and the lines around it located in Luxembourg are part of the German control area Amprion/Creos and some industrial consumers are directly connected to the French and to the Belgian control areas).

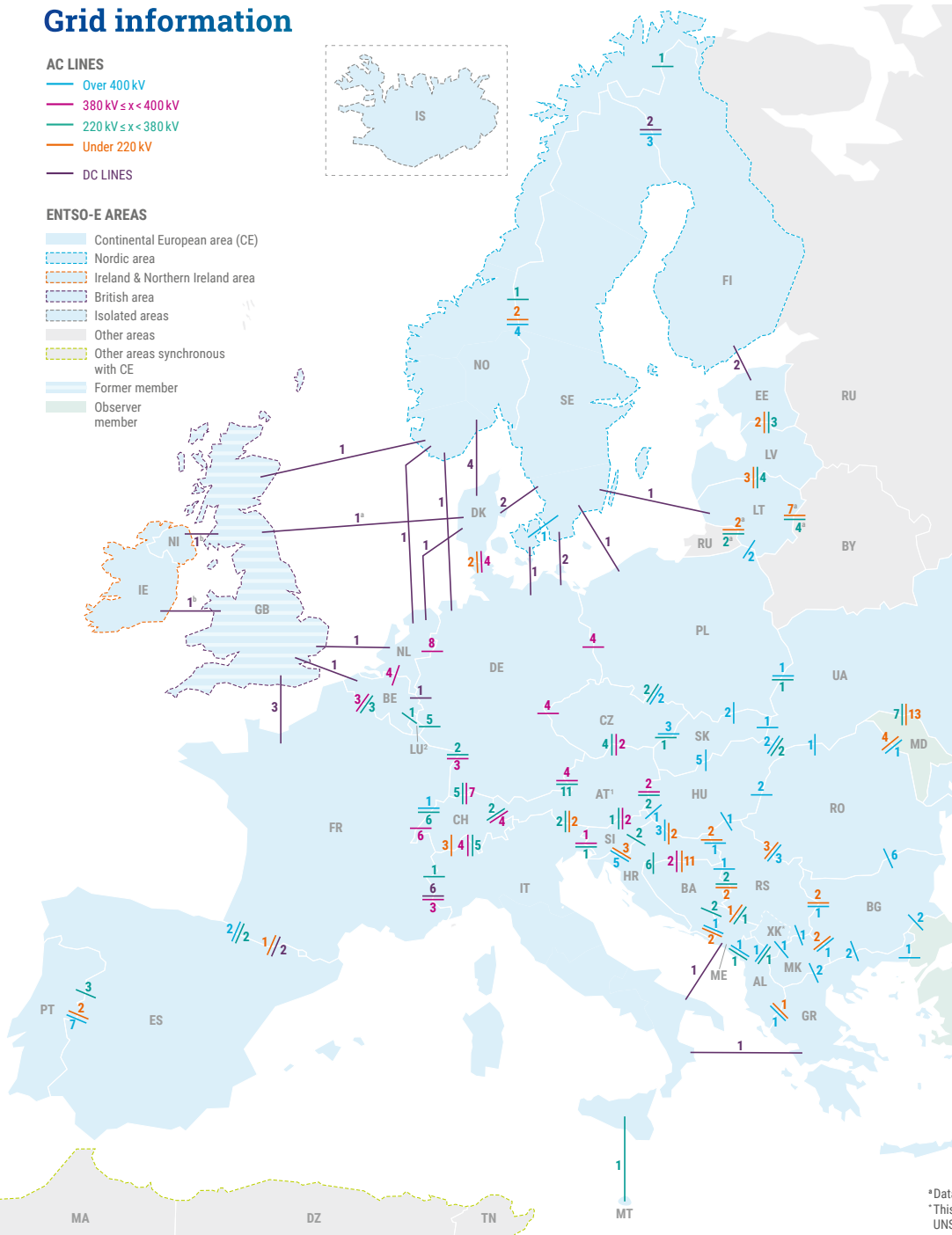
^{*} This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.



Grid information

- AC LINES
- Over 400 kV
 - 380 kV ≤ x < 400 kV
 - 220 kV ≤ x < 380 kV
 - Under 220 kV
- DC LINES

- ENTSO-E AREAS
- Continental European area (CE)
 - Nordic area
 - Ireland & Northern Ireland area
 - British area
 - Isolated areas
 - Other areas
 - Other areas synchronous with CE
 - Former member
 - Observer member



Number of cross-frontier transmission lines (routes) operated by TSO as of 31.12.2025¹

ENTSO-E overview circuit length in km as of 31.12.2025²

	AC lines	AC cables	DC cables
Over 400 kV	436	–	–
380 kV ≤ x < 400 kV	185 017	1 587	9 319
220 kV ≤ x < 380 kV	128 876	8 602	5 281
110 kV ≤ x < 220 kV	200 487	–	1 464
Sum	514 816	10 189	16 064

Cross-Frontier Lines per voltage and current type as of 31.12.2025³

	AC	DC
Over 400 kV	80	13
380 kV ≤ x < 400 kV	67	3
220 kV ≤ x < 380 kV	95	12
Under 220 kV	68	10
Sum	310	38

¹ Non geographic location of lines
² 2024 data for DK & SK 2023 data for IE, IS & LT
2022 data for ME 2018 data for GB & TR
³ 2024 data for the DK-GB borders
2023 data for the borders of GB with IE and NIE and the borders of LT with BY and RU
2018 data for the borders of TR with AZ, GE, IQ, IR & SY

¹ All values from Transparency Platform for Austria are for the control area AT and not the country AT (some power plants and lines located in Austria are part of the German control areas TenneT DE and TransnetBW).
² All values from Transparency Platform for Luxembourg are for the monitoring area LU and not the country LU (the power plant Vianden and the lines around it located in Luxembourg are part of the German control area Amprion/Creos and some industrial consumers are directly connected to the French and to the Belgian control areas).

^aData from 2024 ^bData from 2023 ^cData from 2018
¹This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo Declaration of Independence.

Members of ENTSO-E

AL	Albania	OST	OST sh.a – Albanian Transmission System Operator
AT	Austria	APG VUEN	Austrian Power Grid AG Vorarlberger Übertragungsnetz GmbH
BA	Bosnia and Herzegovina	NOS BiH	Nezavisni operator sustava u Bosni i Hercegovini
BE	Belgium	Elia	Elia System Operator SA
BG	Bulgaria	ESO	Electroenergien Sistemen Operator EAD (Електроенергиен системен оператор)
CH	Switzerland	Swissgrid	Swissgrid AG
CY	Cyprus	Cyprus TSO	Cyprus Transmission System Operator
CZ	Czech Republic	ČEPS	ČEPS a.s.
DE	Germany	TransnetBW TenneT DE Amprion 50Hertz	TransnetBW GmbH TenneT TSO GmbH Amprion GmbH 50Hertz Transmission GmbH
DK	Denmark	Energinet	Energinet
EE	Estonia	Elering	Elering AS
ES	Spain	REE	Red Eléctrica de España S.A.
FI	Finland	Fingrid	Fingrid Oyj
FR	France	RTE	Réseau de Transport d'Electricité
GR	Greece	IPTO	Independent Power Transmission Operator S.A.
HR	Croatia	HOPS	HOPS d.d.
HU	Hungary	MAVIR	MAVIR Magyar Villamosenergia-ipari Átviteli Rendszerirányító Zártkörűen Működő Részvénytársaság
IE	Ireland	EirGrid	EirGrid plc
IS	Iceland	Landsnet	Landsnet hf
IT	Italy	Terna	Terna – Rete Elettrica Nazionale SpA
LT	Lithuania	Litgrid	Litgrid AB
LU	Luxembourg	Creos Luxembourg	Creos Luxembourg S.A.
LV	Latvia	AST	AS Augstsprieguma tīkls
ME	Montenegro	CGES	Crnogorski elektroprenosni sistem AD
MK	Republic of North Macedonia	MEPSO	Transmission System Operator of the Republic of North Macedonia
NI	Northern Ireland ¹	SONI	System Operator for Northern Ireland Ltd
NL	The Netherlands	TenneT NL	TenneT TSO B.V.
NO	Norway	Statnett	Statnett SF
PL	Poland	PSE	Polskie Sieci Elektroenergetyczne S.A.
PT	Portugal	REN	Rede Eléctrica Nacional, S.A.
RO	Romania	Transelectrica	C.N. Transelectrica S.A.
RS	Serbia	EMS	Akcionarsko društvo Elektromreža Srbije
SE	Sweden	Svenska Kraftnät	Svenska Kraftnät
SI	Slovenia	ELES	ELES, d.o.o.
SK	Slovak Republic	SEPS	Slovenská elektrizačná prenosová sústava, a.s.
UA	Ukraine	Ukrenergo	National Power Company Ukrenergo
Observer member			
MD	Moldova	Moldelectrica	Moldelectrica
TR	Türkiye	TEİAŞ	Turkish Electricity Transmission Corporation

¹ In compliance with 12 February 2021 EC Notice to Stakeholders on the Withdrawal of the UK and EU rules in the field of the Internal Energy Market.

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