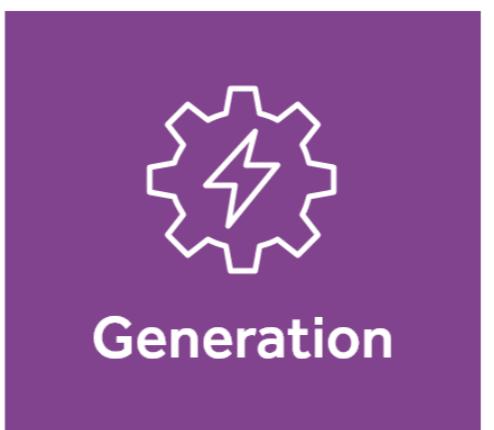
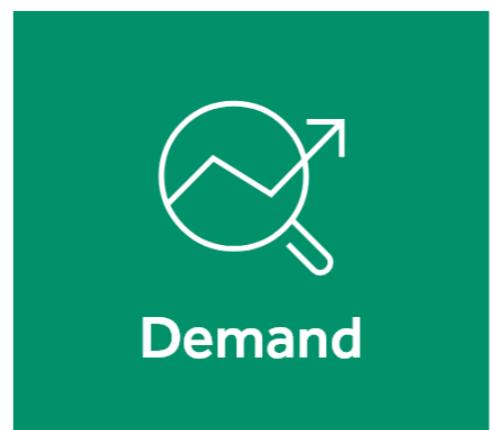
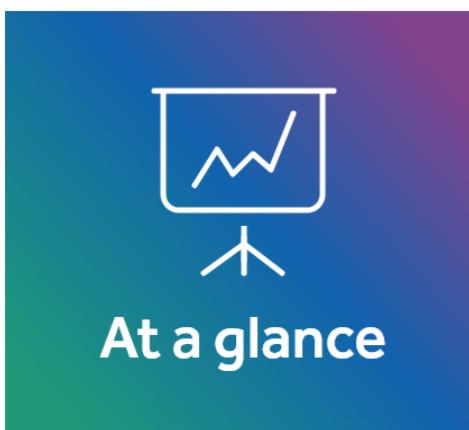


MONTHLY ENERGY BULLETIN

December 2022 - 2nd Edition



01

02

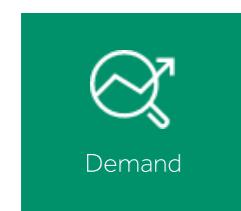
03

11

19

21

The Month at a glance

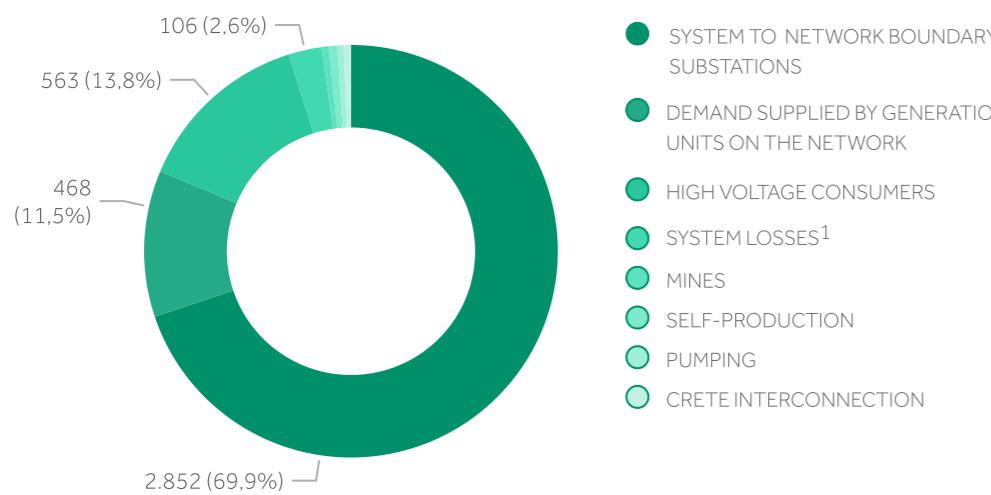


Total Demand
4.083 GWh

↓ 13,16%

Variation in comparison
to the same month of
the previous year

Estimation of total demand (GWh)

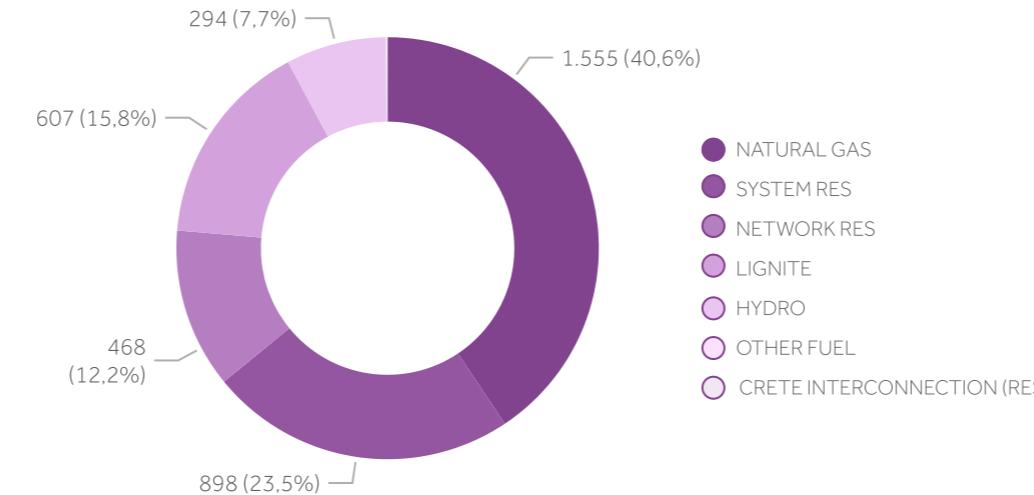


Total Generation
3.827 GWh

↓ 21,67%

Variation in comparison
to the same month of
the previous year

Estimation of total generation (GWh)



56,5%

2.164



7,7%

294



35,8%

1.370



Interconnection Balance
255 GWh

↑ 440 GWh

Variation in comparison
to the same month of
the previous year

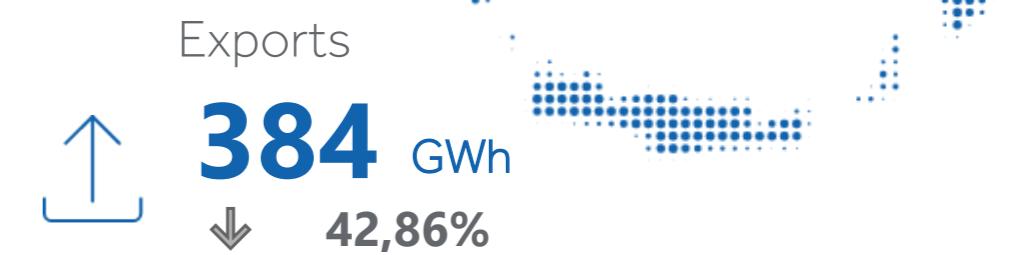
Imports

 **639 GWh**
↑ 31,37%

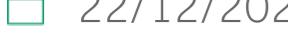


Exports

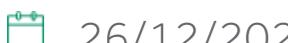
 **384 GWh**
↓ 42,86%



Minimum total demand

↑  22/12/2022  20:00
7.186 MW

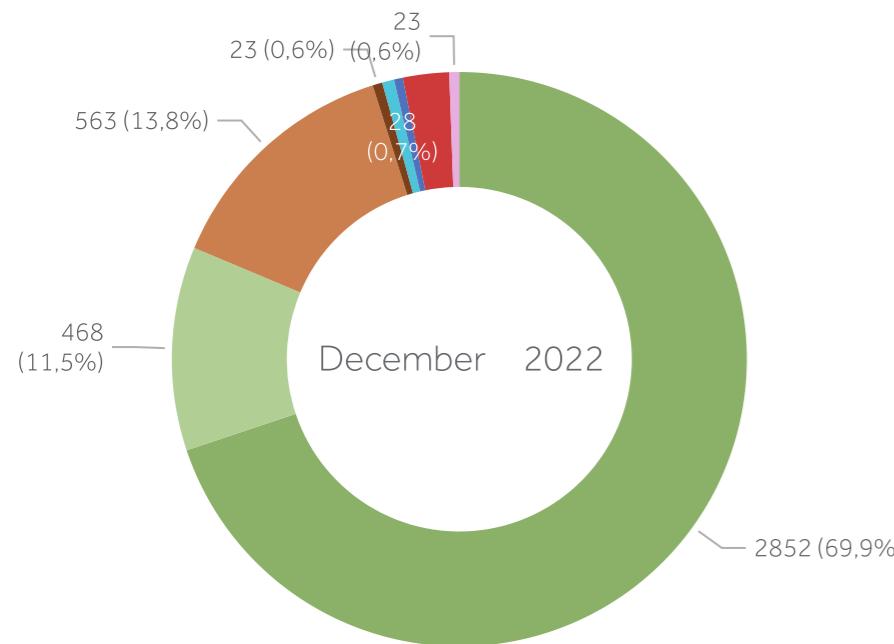
Maximum total demand

↓  26/12/2022  6:00
3.754 MW

¹ The percentage which refers to losses in this graph is not associated to the Percentage of System Losses presented in page 5 of the present Bulletin.

Energy Balance in the Interconnected System and Network

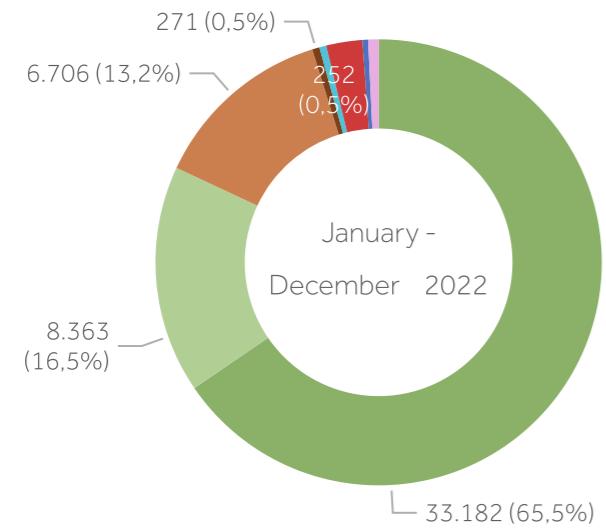
ESTIMATION OF TOTAL DEMAND ¹ & INTERCONNECTION BALANCE ³



Energy Balance
December 2022

4.083 GWh

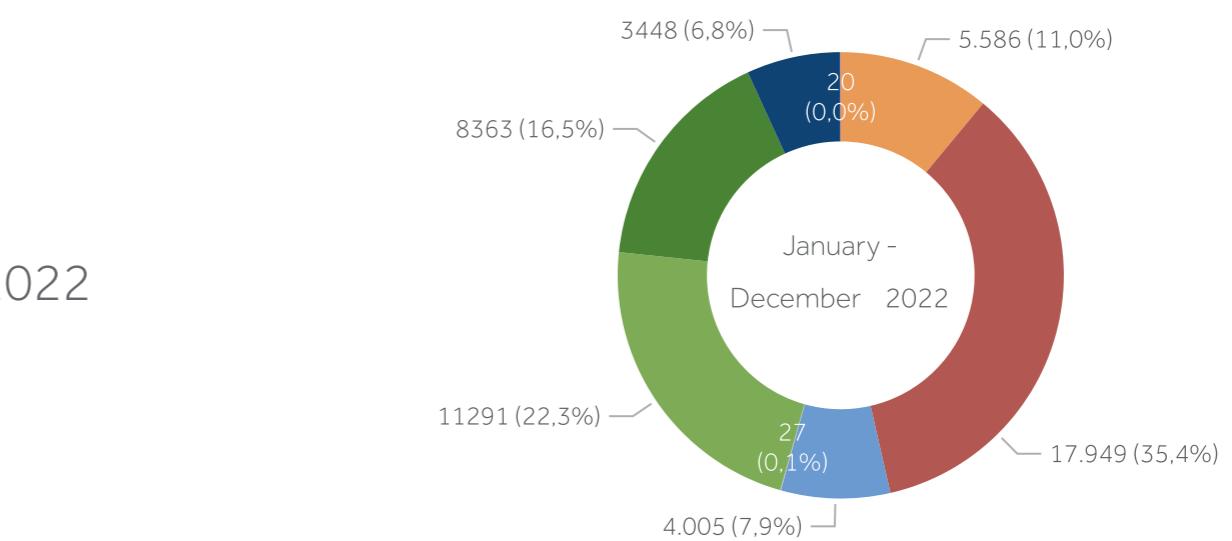
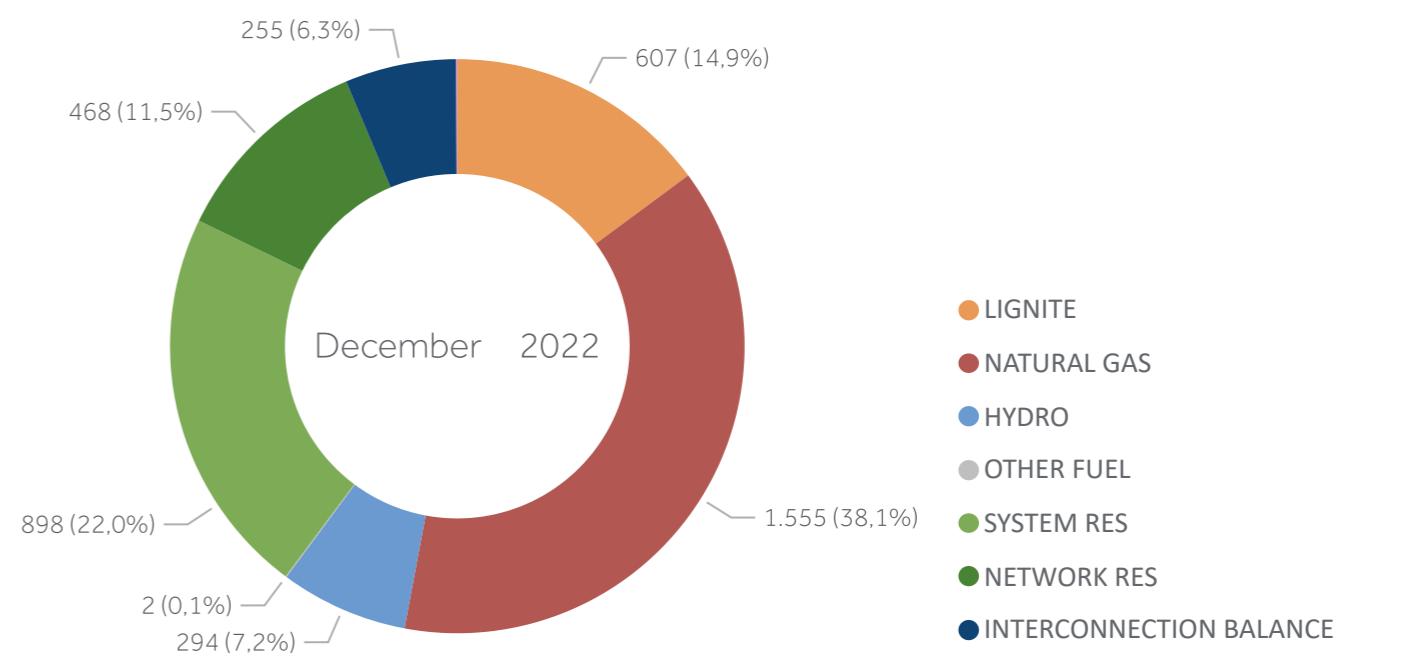
- SYSTEM TO NETWORK BOUNDARY SUBSTATIONS
- NETWORK DEMAND
- HIGH VOLTAGE CONSUMERS
- MINES
- SELF-PRODUCTION
- PUMPING
- SYSTEM LOSSES ⁴
- INTERCONNECTION BALANCE
- CRETE INTERCONNECTION



Energy Balance
January 2022 - December 2022

50.688 GWh

ESTIMATION OF TOTAL GENERATION ² & INTERCONNECTION BALANCE ³



Notes

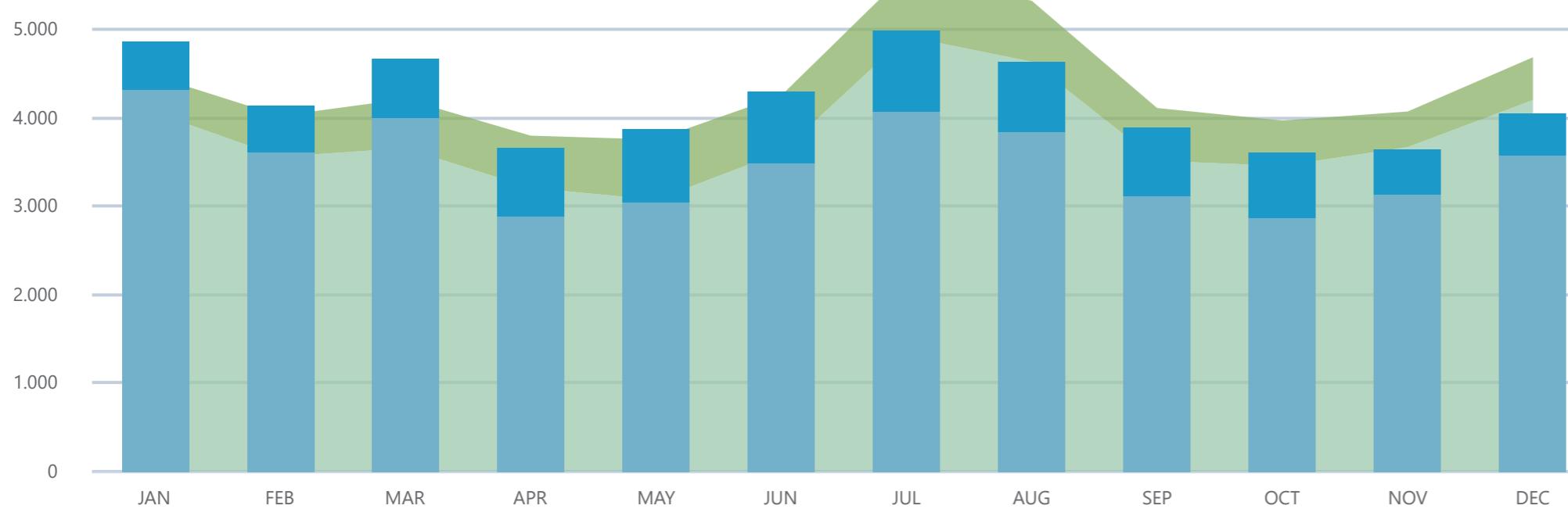
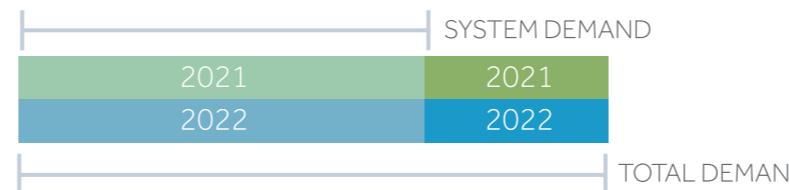
- 1 The demand of non-interconnected islands is not included.
- 2 Network generation results from validated meter data for the Medium Voltage and from validated meter data and estimations for the Low Voltage.
- 3 The surplus in the interconnection balance is displayed in the estimation of demand, whereas a deficit in the estimation of generation.
- 4 The percentage which refers to losses in this graph is not associated to the Percentage of System Losses presented in page 5 of the present Bulletin.

Total Demand & System Demand

ESTIMATION OF TOTAL DEMAND & SYSTEM DEMAND (GWh)



Annex 1.1



Total Demand ²

4.062 GWh

↓ 13,32%

Variation in comparison to the same month of the previous year

System Demand ¹

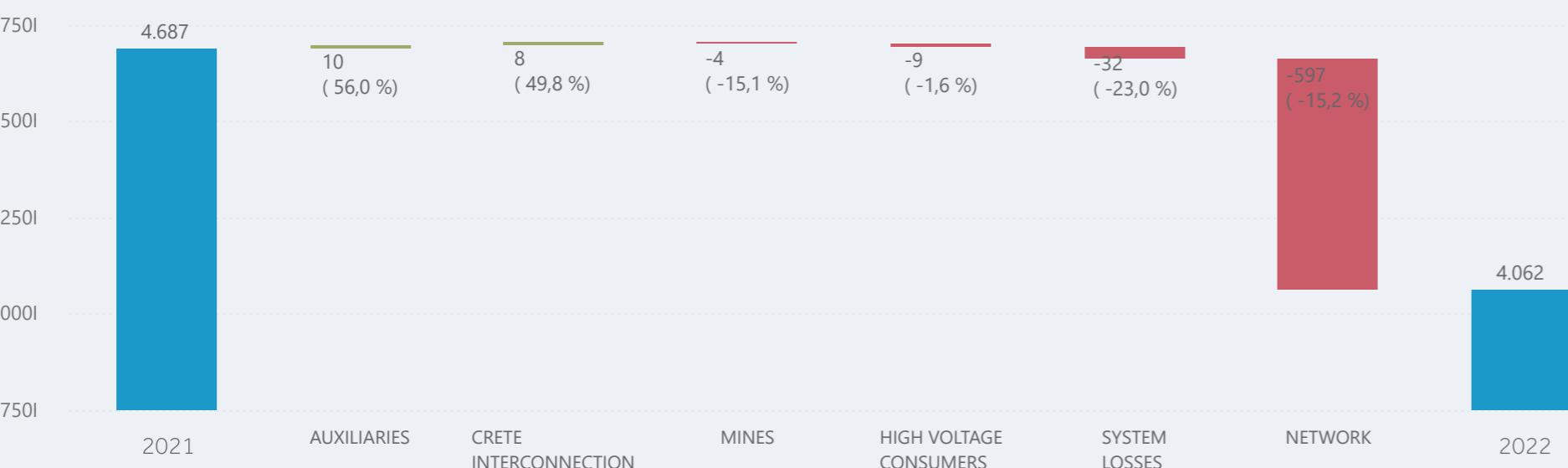
3.594 GWh

↓ 14,49%

Variation in comparison to the same month of the previous year

VARIATION OF TOTAL DEMAND (GWh)

December 2021 - December 2022



Notes

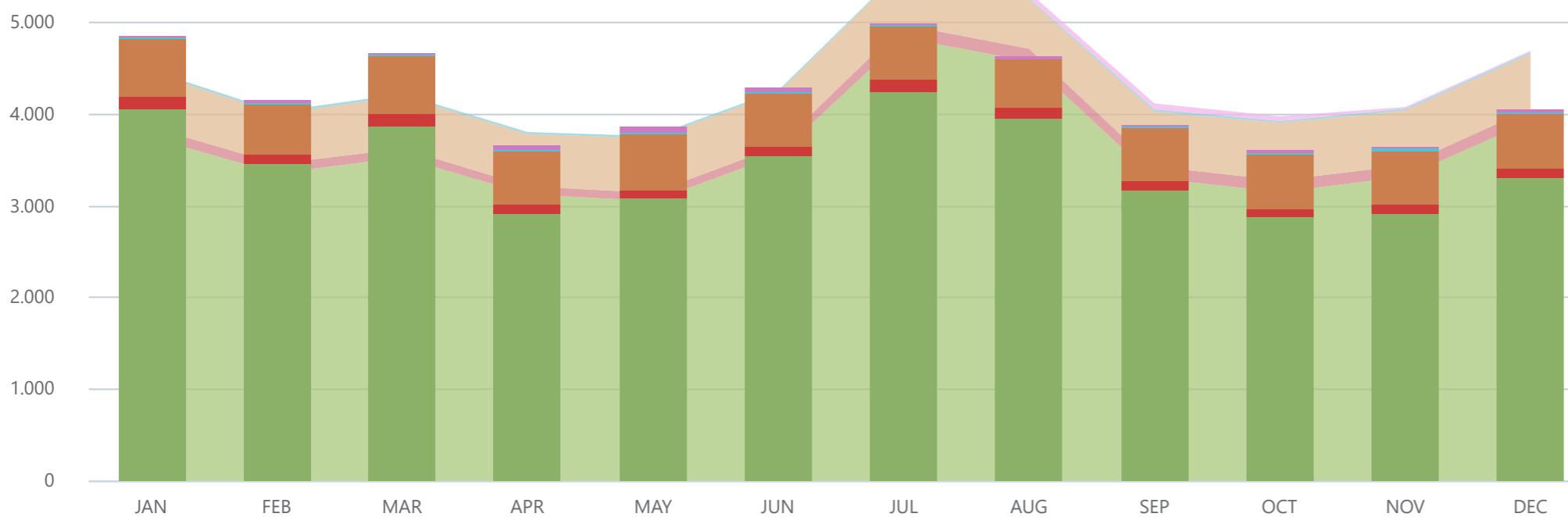
1 System Demand is defined as the generation produced by production units (conventional and RES) connected to the System, that is required to cover the System Load (excluding pumping). Demand supplied by units injecting into the Network is not included. More specifically, the estimation of System Demand includes the demand of High Voltage consumers, mines, the self-production, the demand in System-Network boundary substations, the System losses and the flow to Crete interconnection.

2 Total Demand is defined as the generation on the mainland and the interconnected islands required to supply the Load (excluding pumping). More specifically, the estimation of Total Demand includes the estimation of System Demand and the estimation of demand covered by production units connected to the Network. Network generation results from certified measurements for the Medium Voltage and measurements and estimations for the Low Voltage.

Demand per Consumption Category

EVOLUTION OF DEMAND (GWh) Annex 1.1

per consumption category



SELF-PRODUCTION

2021 2022

HIGH VOLTAGE CONSUMERS / MINES

2021 2022

SYSTEM LOSSES

2021 2022

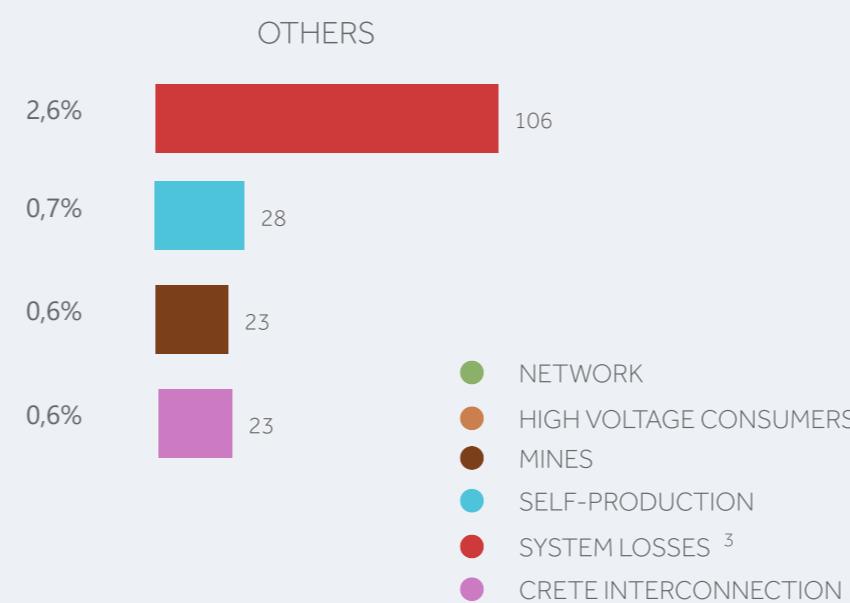
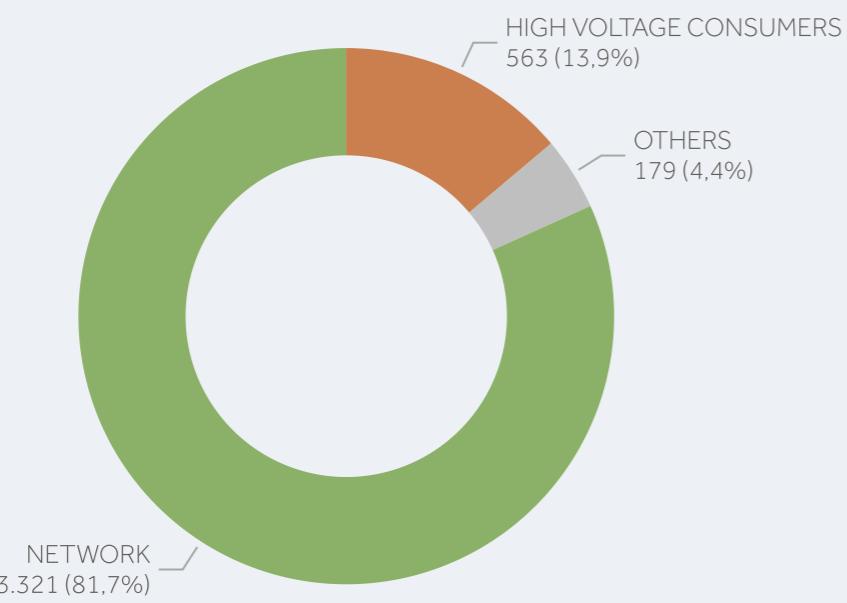
NETWORK

2021 2022

CRETE INTERCONNECTION

2021 2022

ESTIMATION OF DEMAND PER CONSUMPTION CATEGORY (GWh)



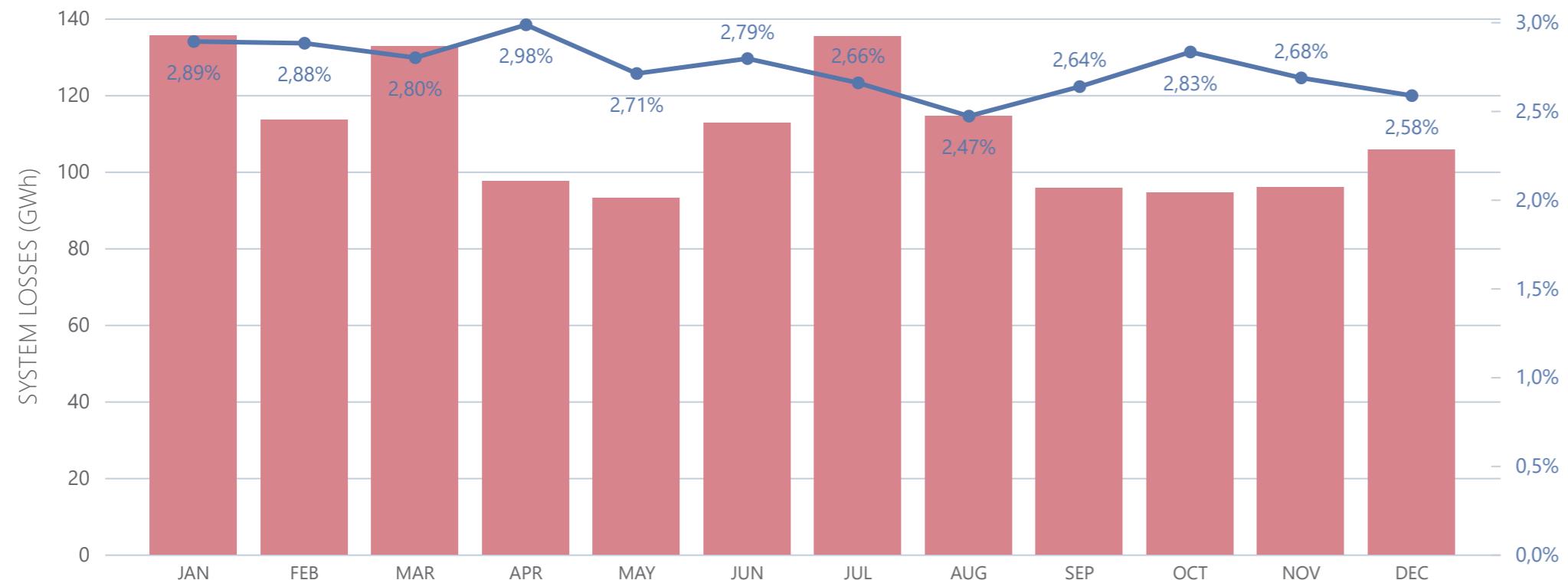
Notes

- 1 Network Demand includes the estimation of demand in the System-Network boundary substations and the estimation of demand supplied by production units in the Network. Network generation results from certified measurements for the Medium Voltage and measurements and estimations for the Low Voltage.
- 2 Demand does not include pumping.
- 3 The percentage which refers to losses in this graph is not associated to the Percentage of System Losses presented in page 5 of the present Bulletin.

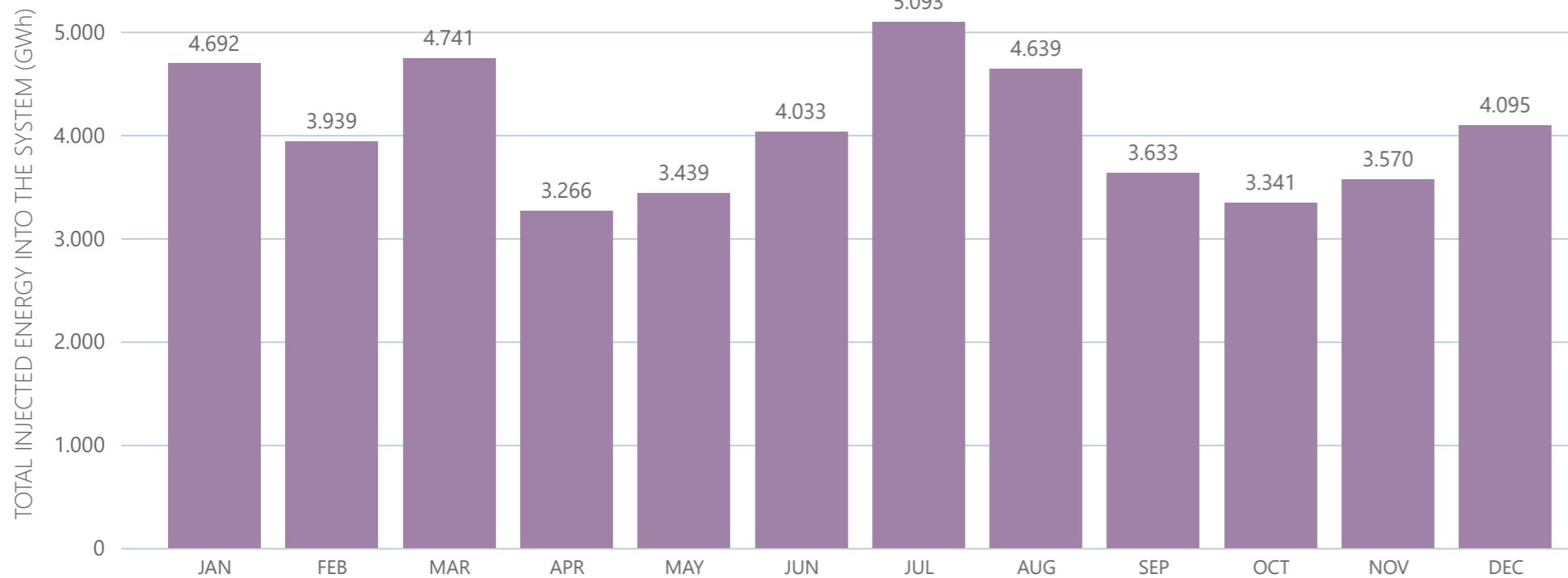
Analysis of System Losses

EVOLUTION OF SYSTEM LOSSES (GWh) and PERCENTAGE OF SYSTEM LOSSES (%)

in relation to the Total Injected Energy into the System (%)



EVOLUTION OF TOTAL INJECTED ENERGY INTO THE SYSTEM (GWh)



PERCENTAGE OF SYSTEM LOSSES (%)

December 2022

2,58%

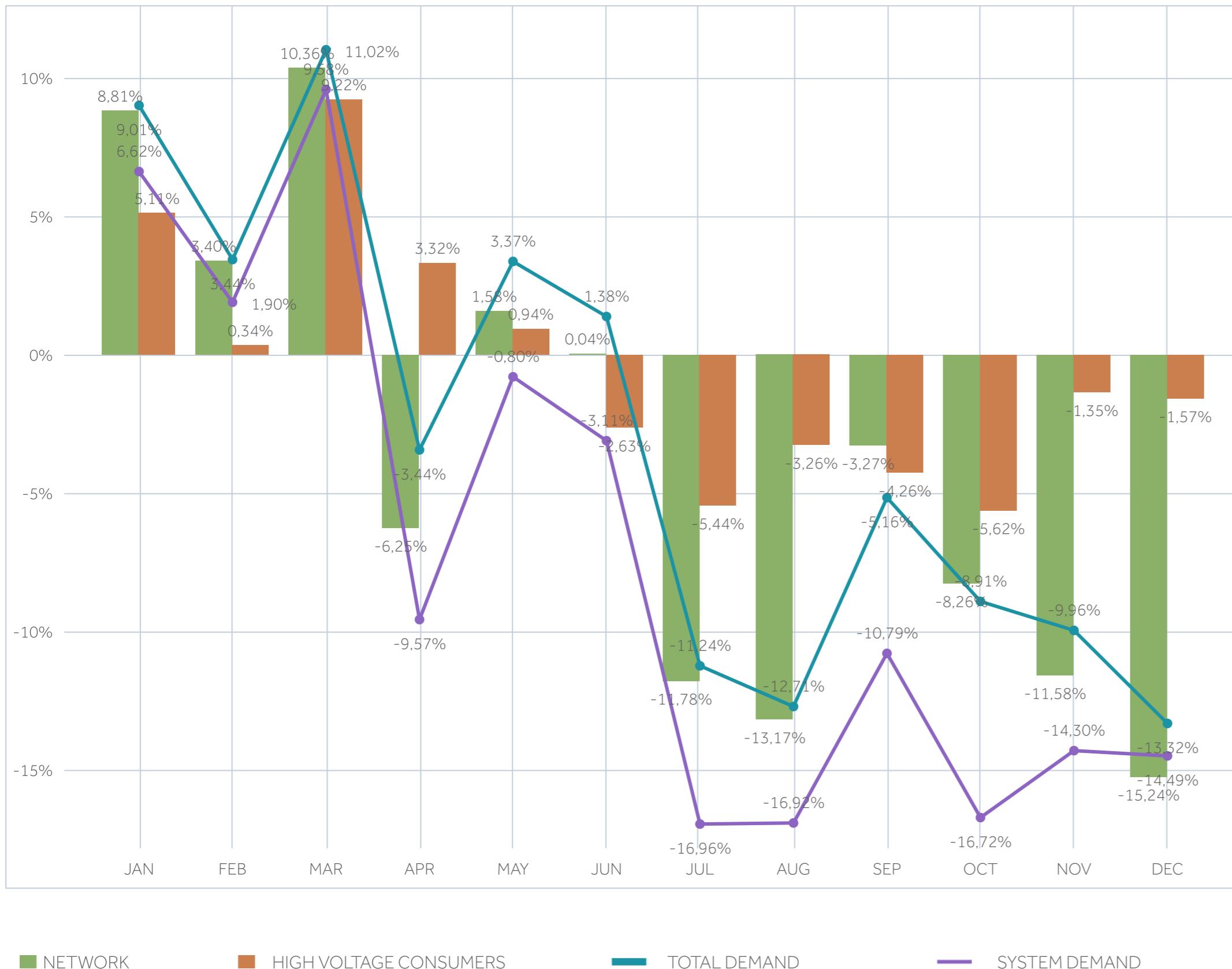
in relation to the
Total Injected Energy
into the System

Notes

- 1 The Percentage of System Losses is calculated as the quotient of System Losses to the Total Injected Energy into the System.
- 2 The Total Injected Energy into the System includes the energy generated by conventional and RES units connected to the System, the injections from the interconnections into the System and the energy injected into the System from the System to Network boundary substations.

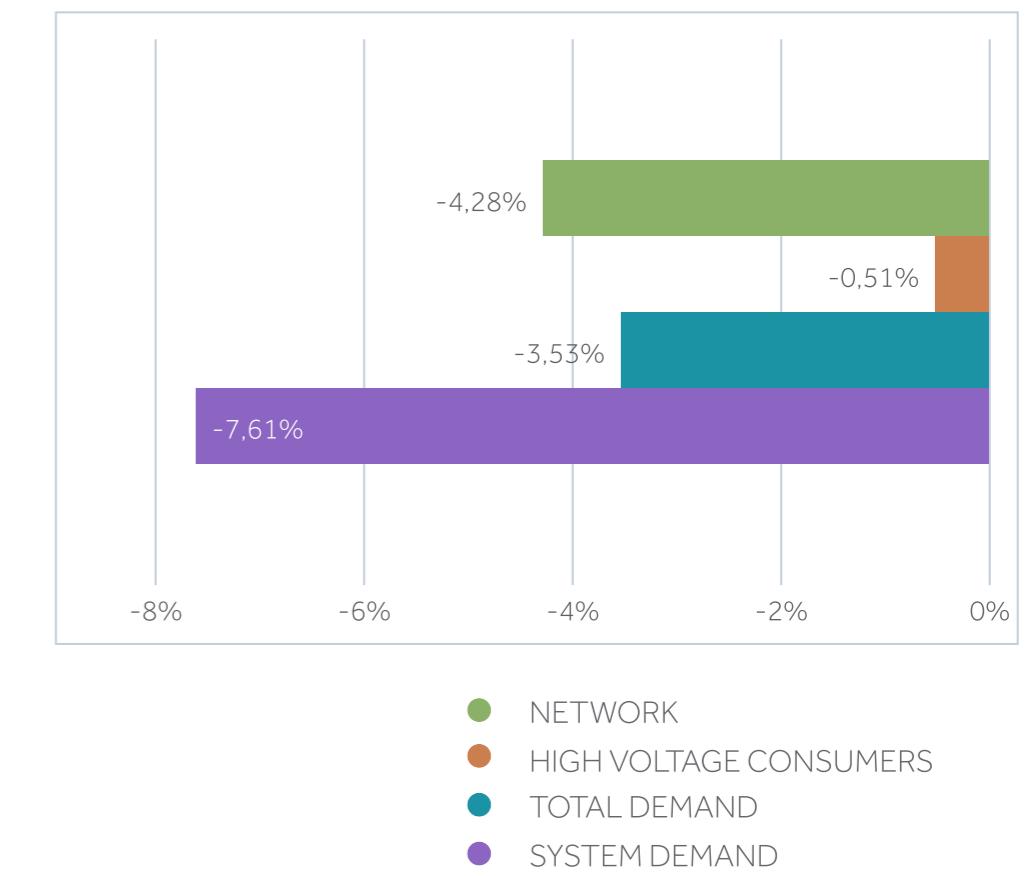
Evolution of Demand in comparison to the previous year

EVOLUTION OF DEMAND in comparison to the same month of the previous year



EVOLUTION OF DEMAND

current year in comparison to the same period of the previous year



- NETWORK
- HIGH VOLTAGE CONSUMERS
- TOTAL DEMAND
- SYSTEM DEMAND

Notes

1 Network Demand includes the estimation of demand in the System-Network boundary substations and the estimation of demand supplied by production units in the Network. Network generation results from certified measurements for the Medium Voltage and measurements and estimations for the Low Voltage.

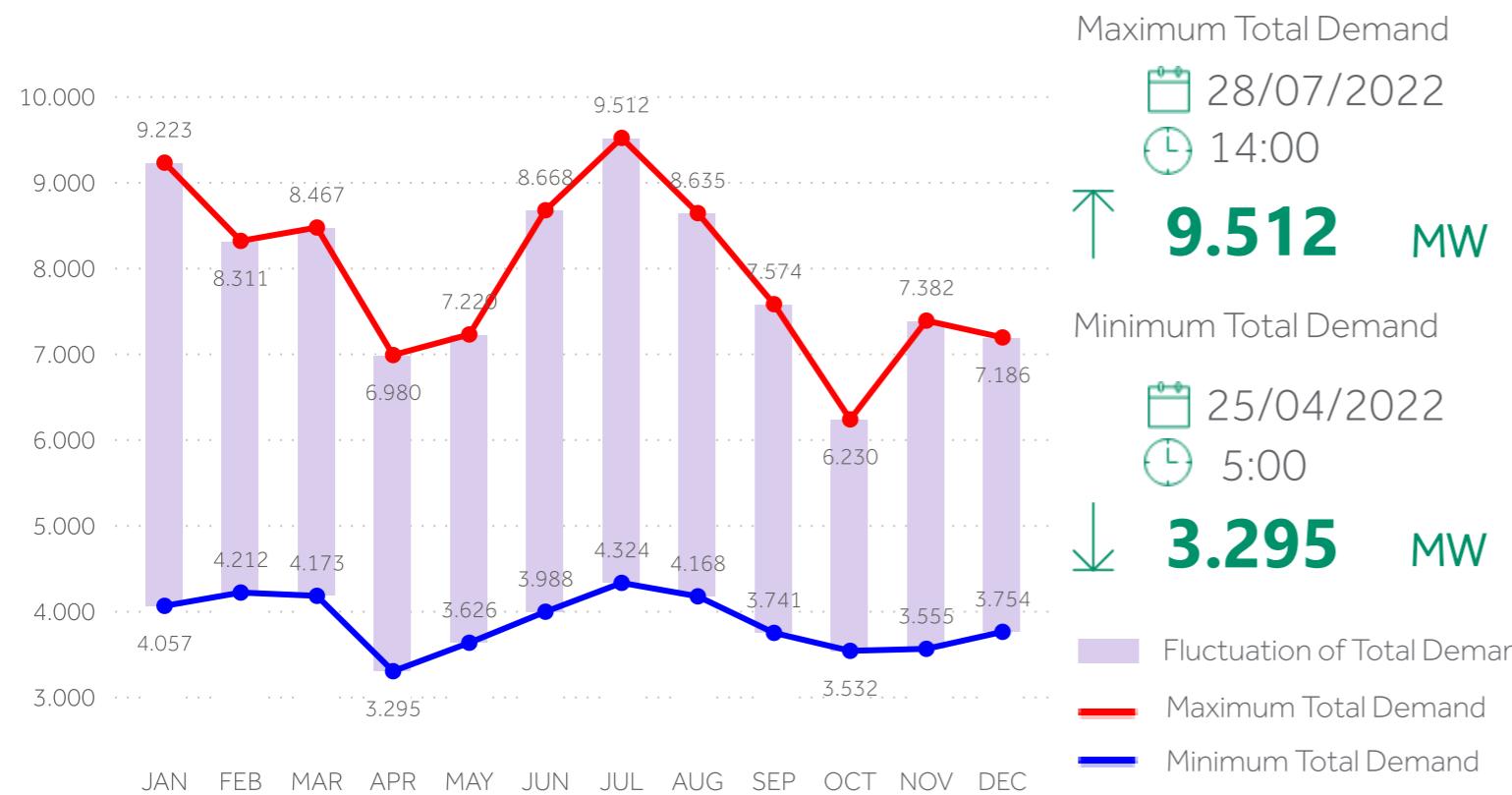
2 Demand does not include pumping.

MAXIMUM & MINIMUM HOURLY TOTAL DEMAND (MW)

current year



Annex 1.2

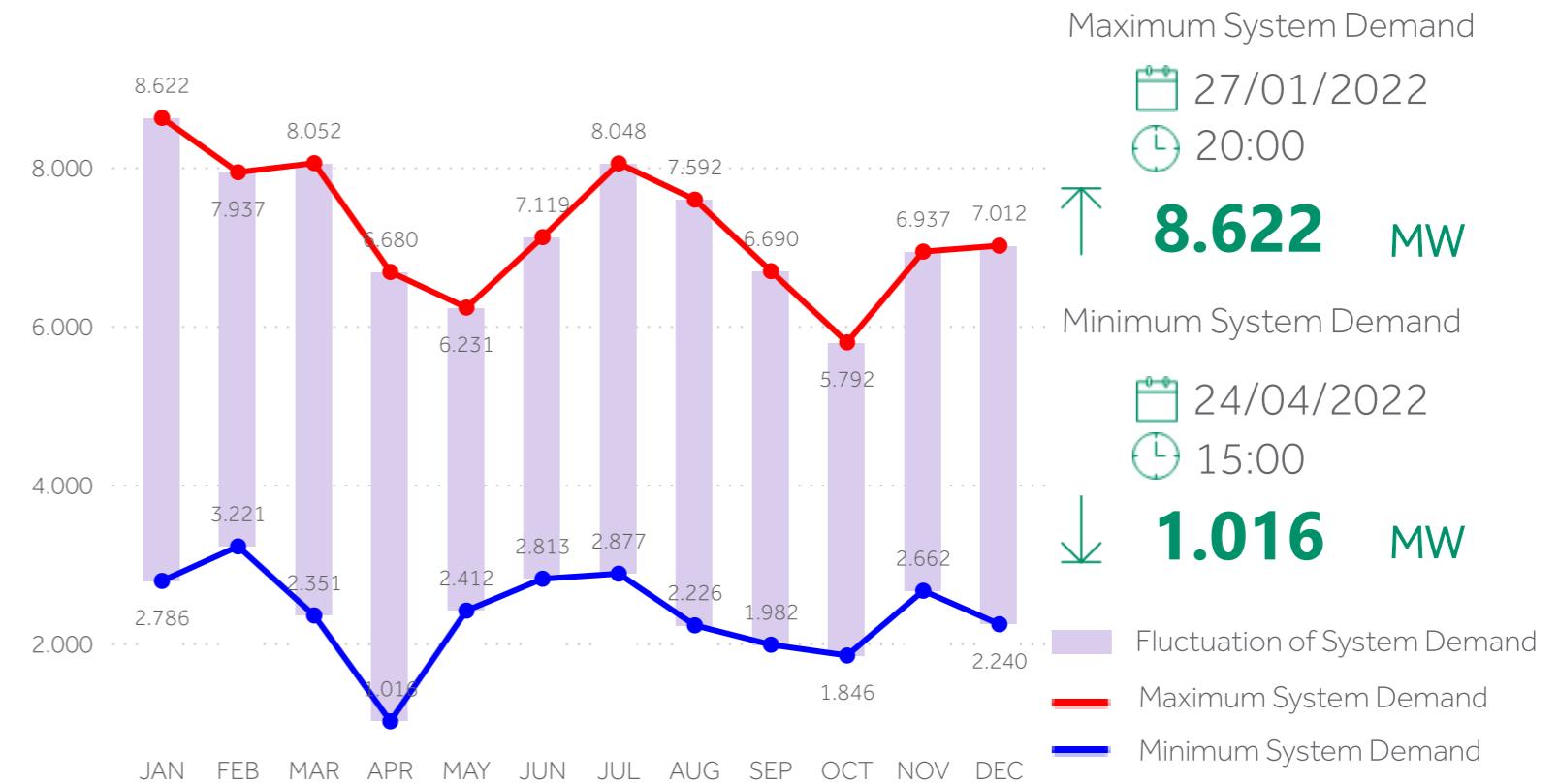


MAXIMUM & MINIMUM HOURLY SYSTEM DEMAND (MW)

current year



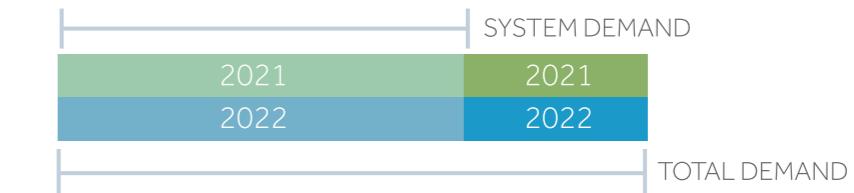
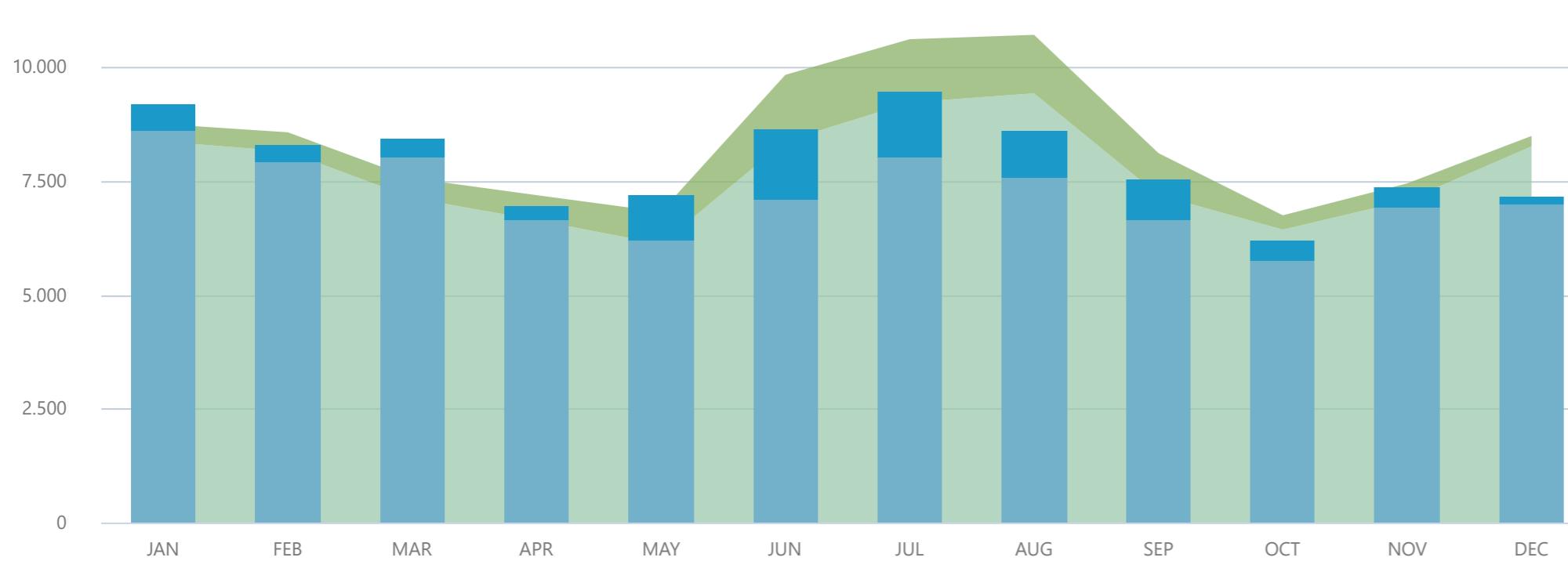
Annex 1.3



MAXIMUM HOURLY TOTAL DEMAND & SYSTEM DEMAND (MW)



Annex 1.2 - 1.3

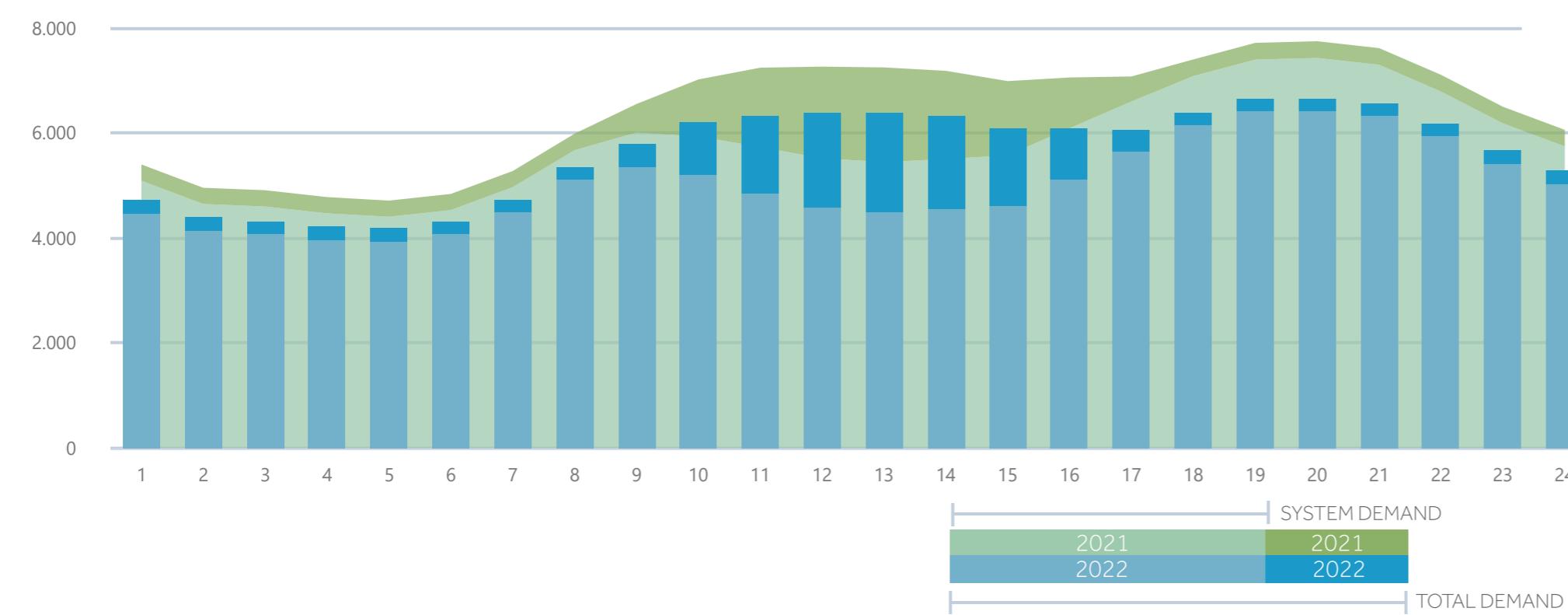


Notes

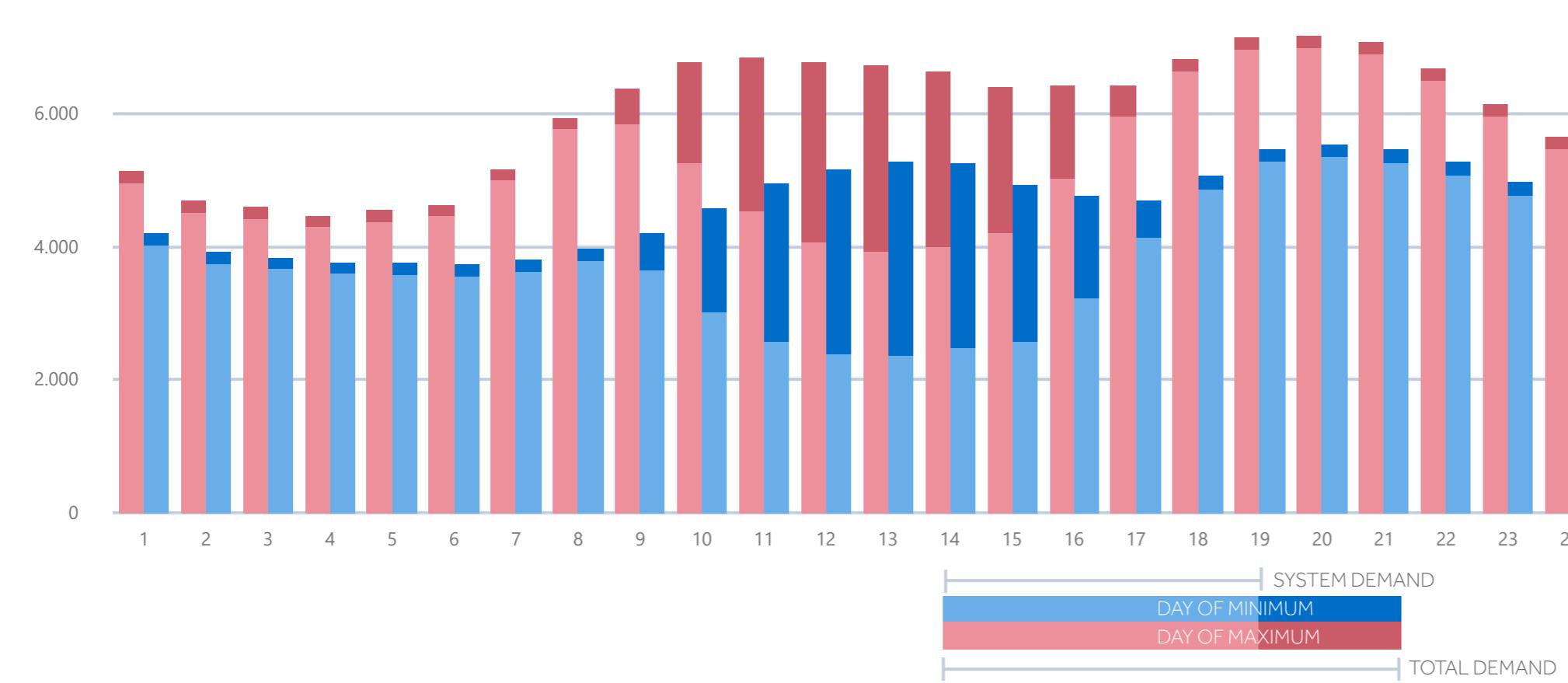
- In maximum & minimum demand analysis, Total Demand and System Demand include pumping.
- Analysis is based on hourly data.

AVERAGE HOURLY TOTAL DEMAND & SYSTEM DEMAND (MW)

During working days of month December current & previous year

**HOURLY TOTAL DEMAND & SYSTEM DEMAND (MW)**

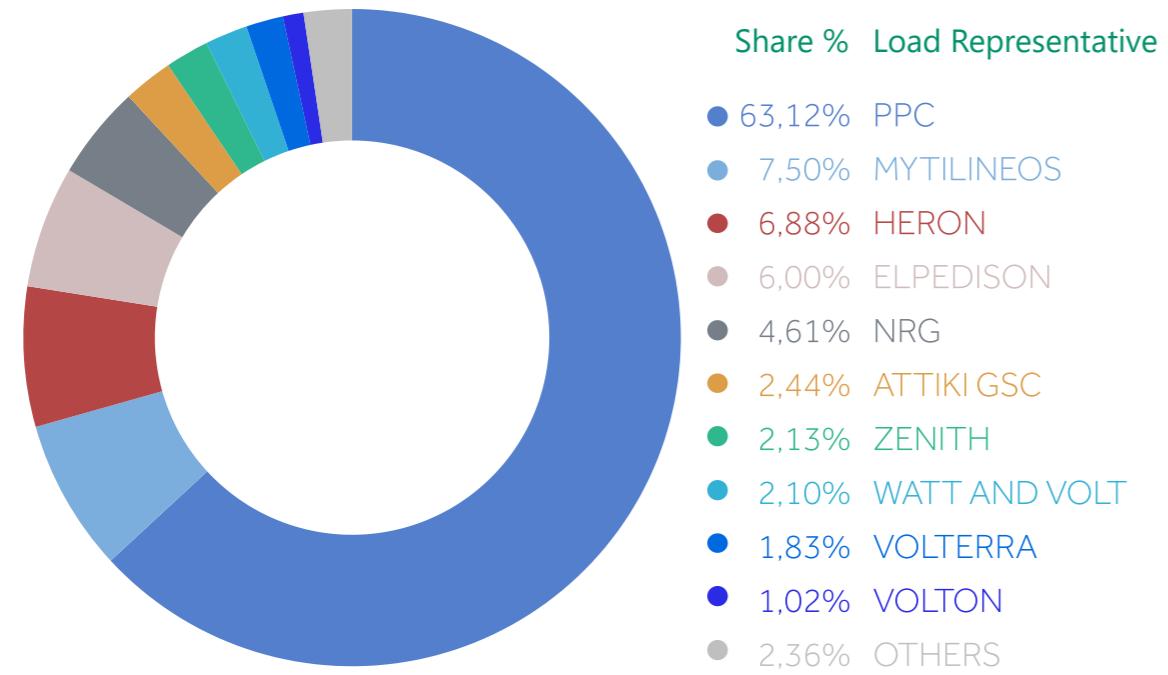
During the day of maximum and minimum of month December 2022

**MAXIMUM TOTAL DEMAND** 22/12/2022 20:00 **7.186 MW****MINIMUM TOTAL DEMAND** 26/12/2022 6:00 **3.754 MW****MAXIMUM SYSTEM DEMAND** 22/12/2022 20:00 **7.012 MW****MINIMUM SYSTEM DEMAND** 25/12/2022 15:00 **2.240 MW****Notes**

- For each hour, the demand is calculated as the average of the demand of the relevant hour for each working day or the month.
- Total Demand and System Demand include pumping.

Market Share of Load Representatives - Demand per voltage level

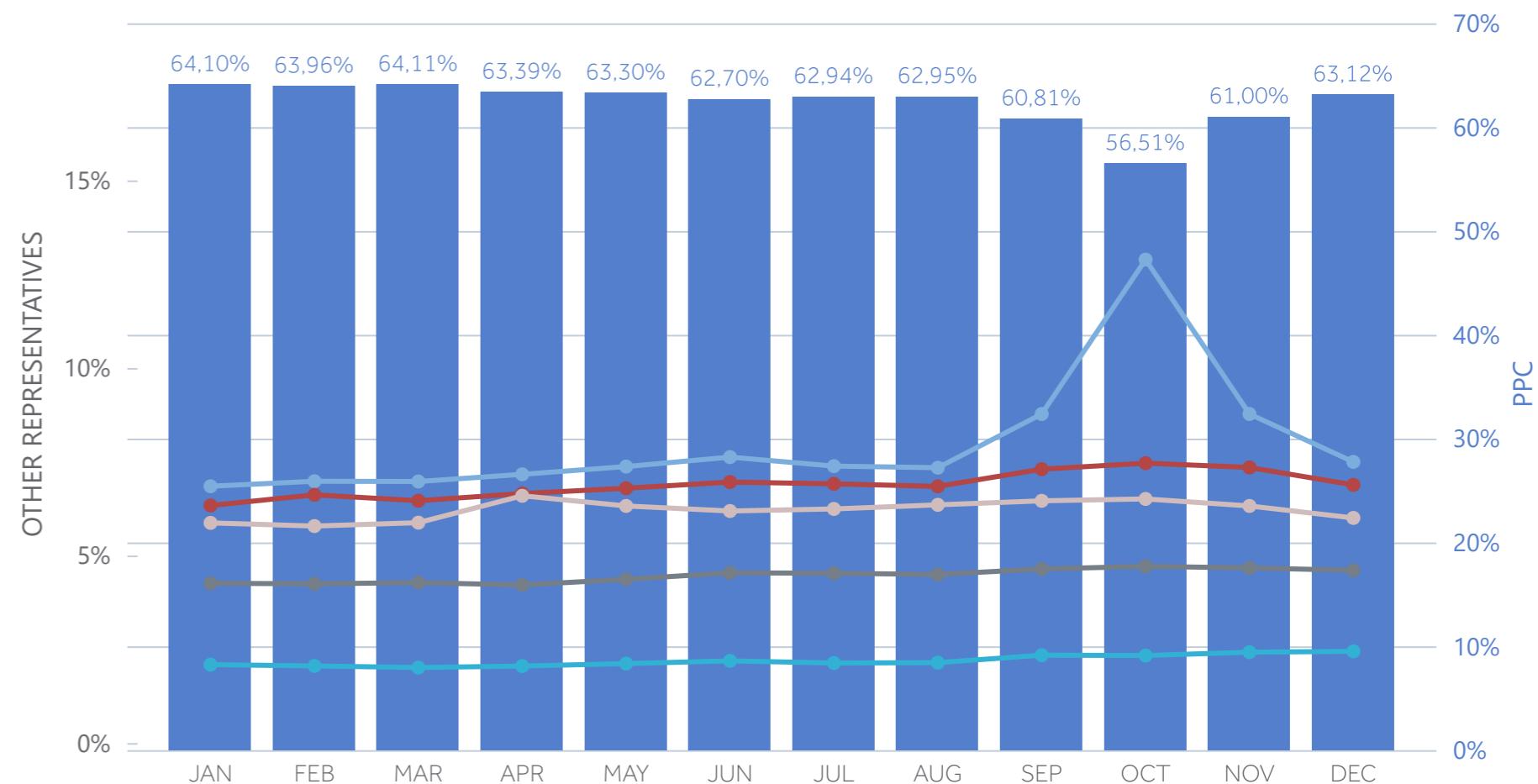
MARKET SHARE OF LOAD REPRESENTATIVES (%) 



Annex 1.7

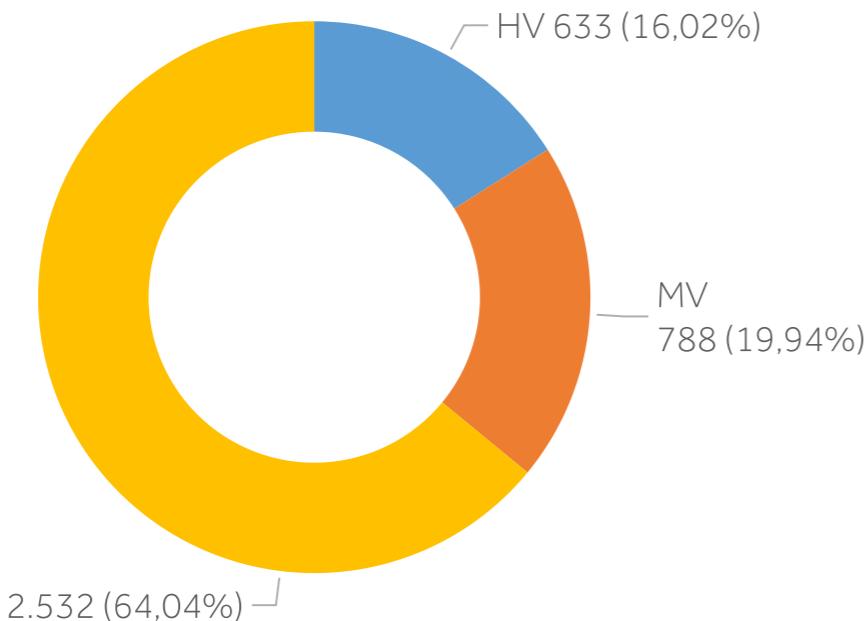
EVOLUTION OF MARKET SHARE OF LOAD REPRESENTATIVES (%) 

(6 load representatives with higher market shares during the current year)



Annex 1.6

DEMAND PER VOLTAGE LEVEL (GWh/%)

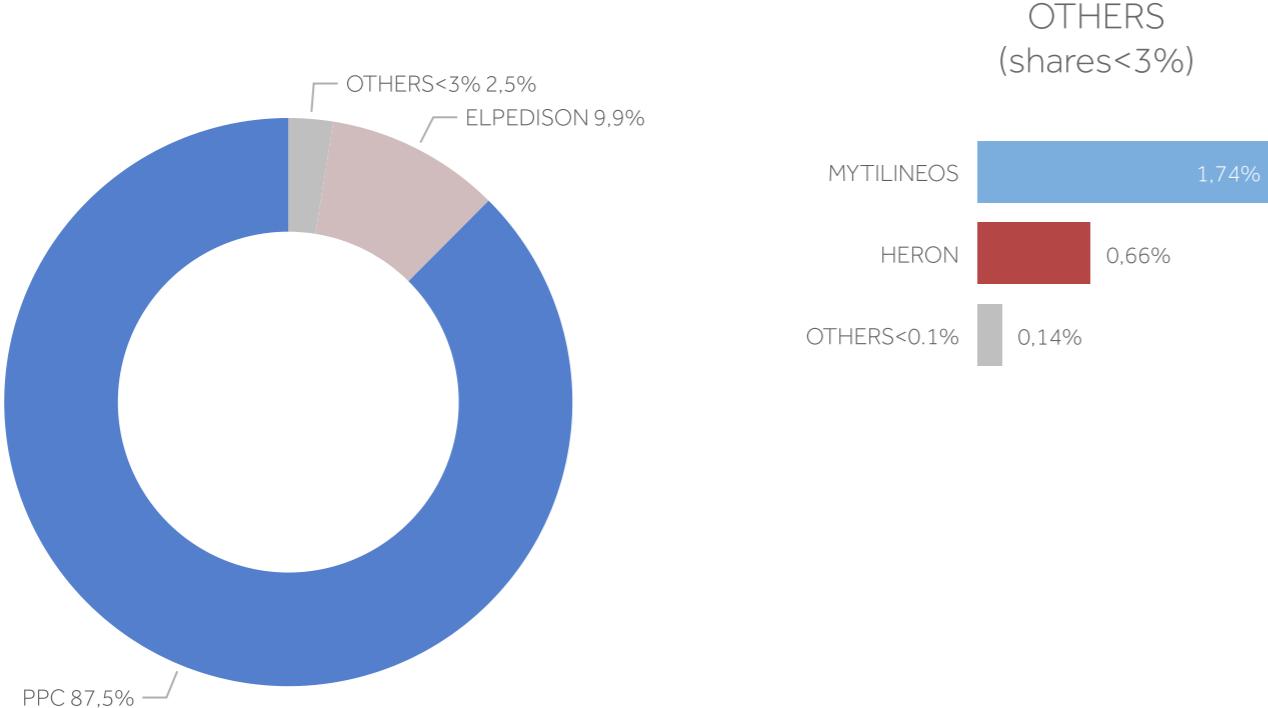


Notes

- Data used for the calculation of the shares of the representatives include:
 - Self-supplied consumers and producers representing the auxiliary loads of their production units.
 - Consumption of Low Voltage consumers is based on a preliminary estimation of the Network Operator.
- Values in GWh are referenced to the System-Network boundaries.
- The utilisation of the interconnection of Crete to the HETS is not included.

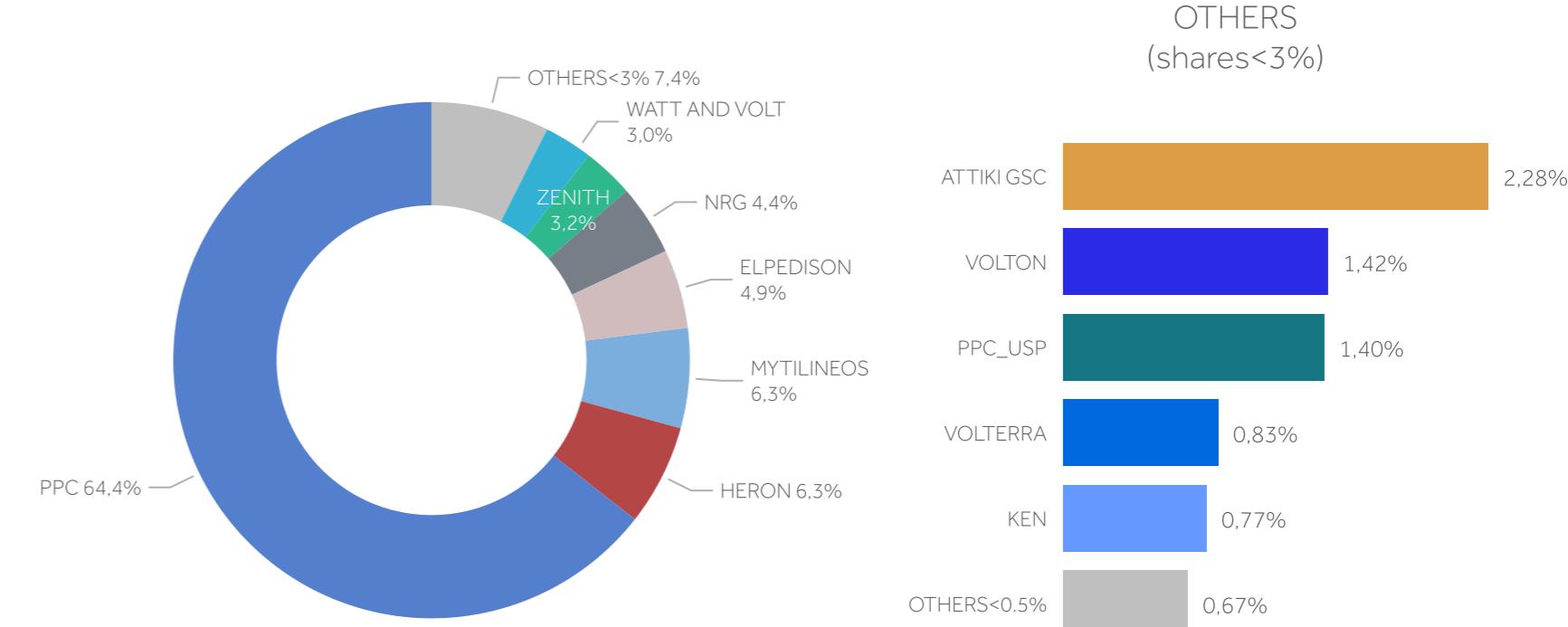
Market Share of Load Representatives per voltage level

MARKET SHARE OF LOAD REPRESENTATIVES IN HV (%)



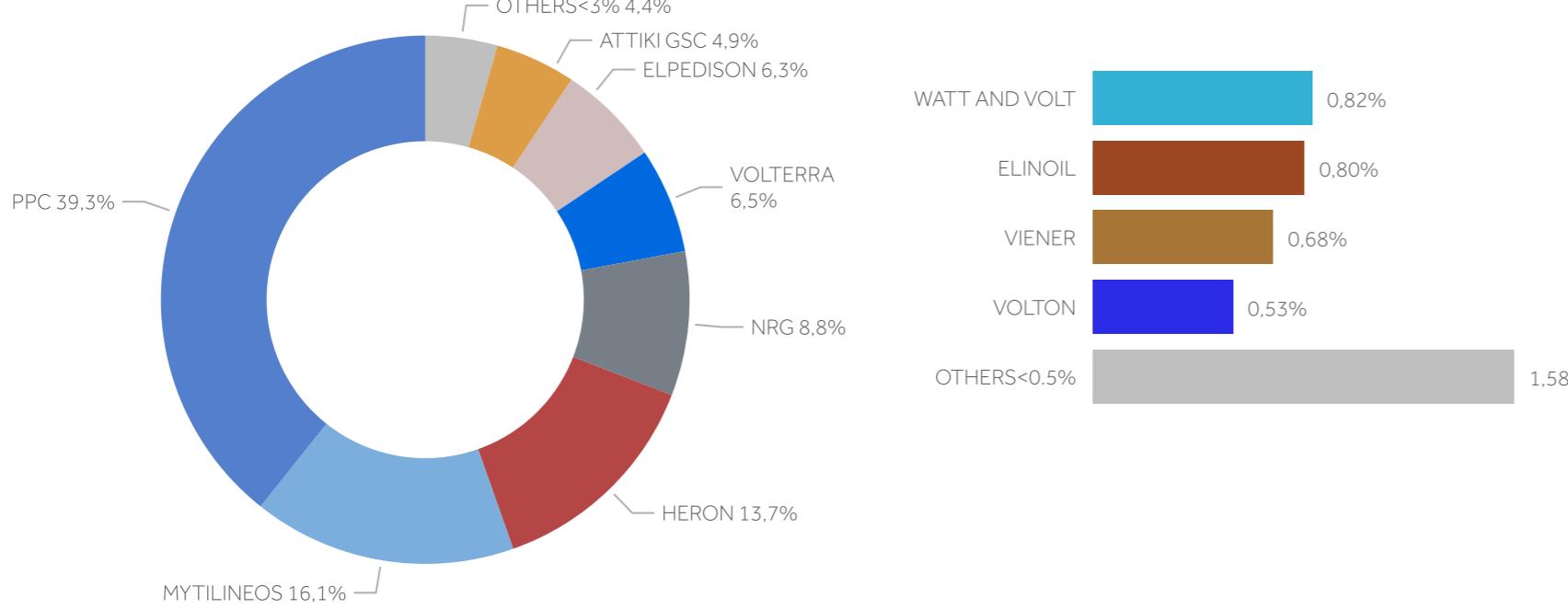
Annex 1.7

MARKET SHARE OF LOAD REPRESENTATIVES IN LV (%)



Annex 1.7

MARKET SHARE OF LOAD REPRESENTATIVES IN MV (%)



Annex 1.7

Notes

- Data used for the calculation of the shares of the representatives include:
 - Self-supplied consumers and producers representing the auxiliary loads of their production units.
 - Consumption of Low Voltage consumers is based on a preliminary estimation of the Network Operator.
- Values in GWh are referenced to the System-Network boundaries.
- The utilisation of the interconnection of Crete to the HETS is not included.

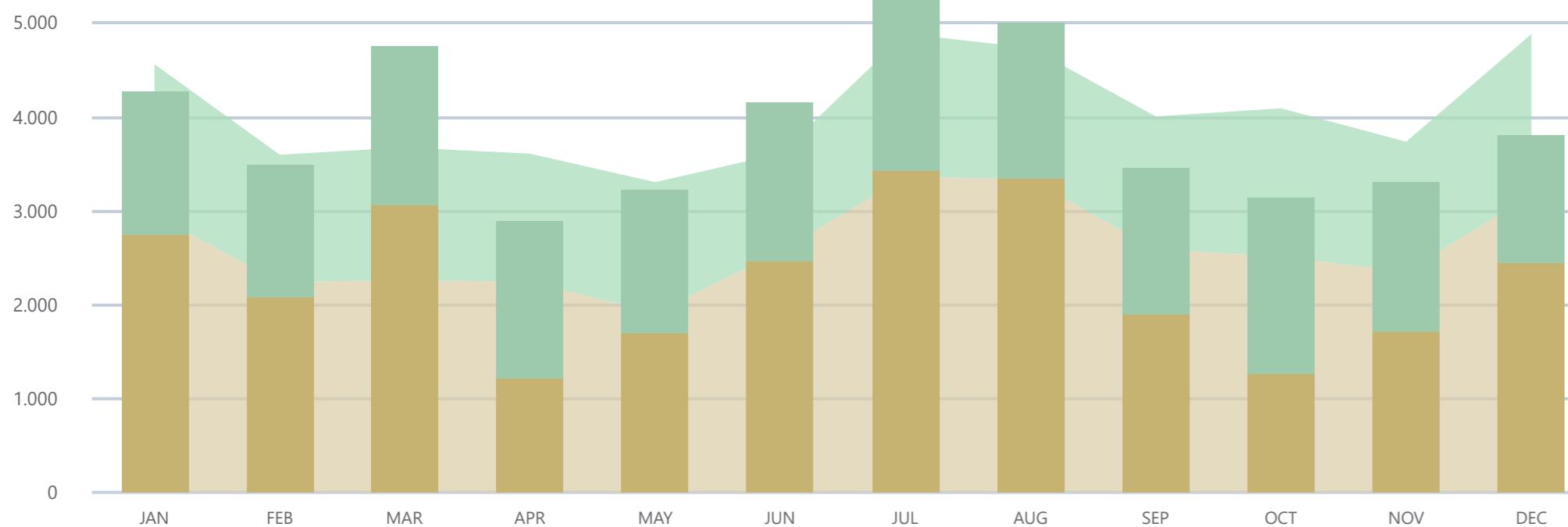
Analysis of Net Generation

ESTIMATION OF NET GENERATION (GWh)

Annex 2.1

2021 CONVENTIONAL
2022 GENERATION

2021 RES
2022 GENERATION



Total Net Generation

3.827 GWh

↓ 21,67%

Variation in comparison to the same month of the previous year



Thermal Generation



Hydro Generation



RES Generation

56,54%

7,68%

35,79%

VARIATION OF NET GENERATION (GWh) December 2021 - December 2022



Notes

Analysis of generation refers to the net generation.

Total Generation includes the generation of conventional production units and RES units and refers to the injection point in the System.

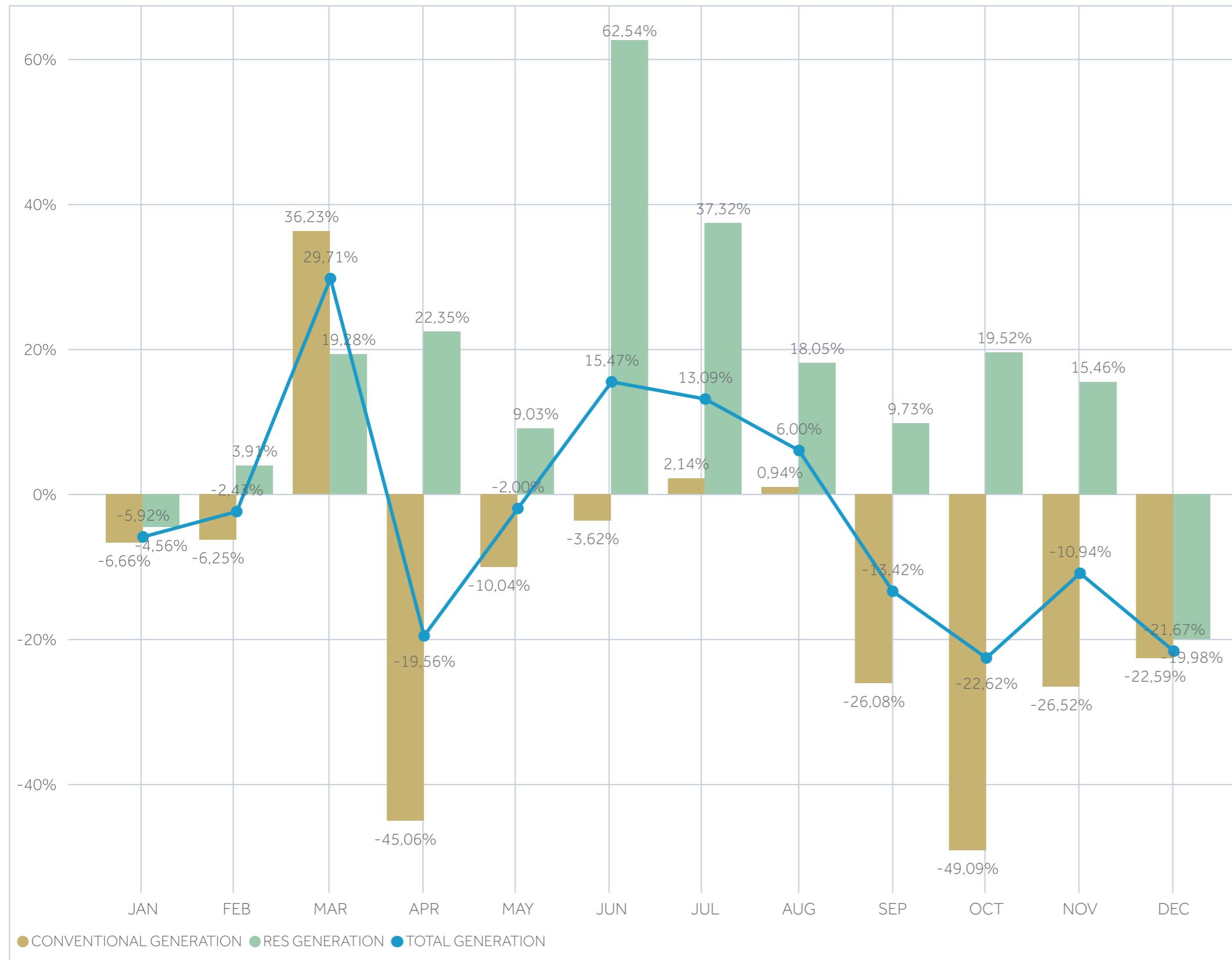
Conventional Generation includes the generation of large scale hydro units, as well as the generation of dispatchable co-generation units that has not been characterised as high efficiency Co-Generation.

RES Generation includes

- generation in the point of injection to the System from RES generation connected directly to System substations (System RES)
- generation from dispatchable co-generation units that has been characterised as high efficiency Co-Generation (System RES)
- estimation of generation in the Distribution Network (Network RES), which results from certified measurements for the Medium Voltage and measurements and estimations for the Low Voltage.

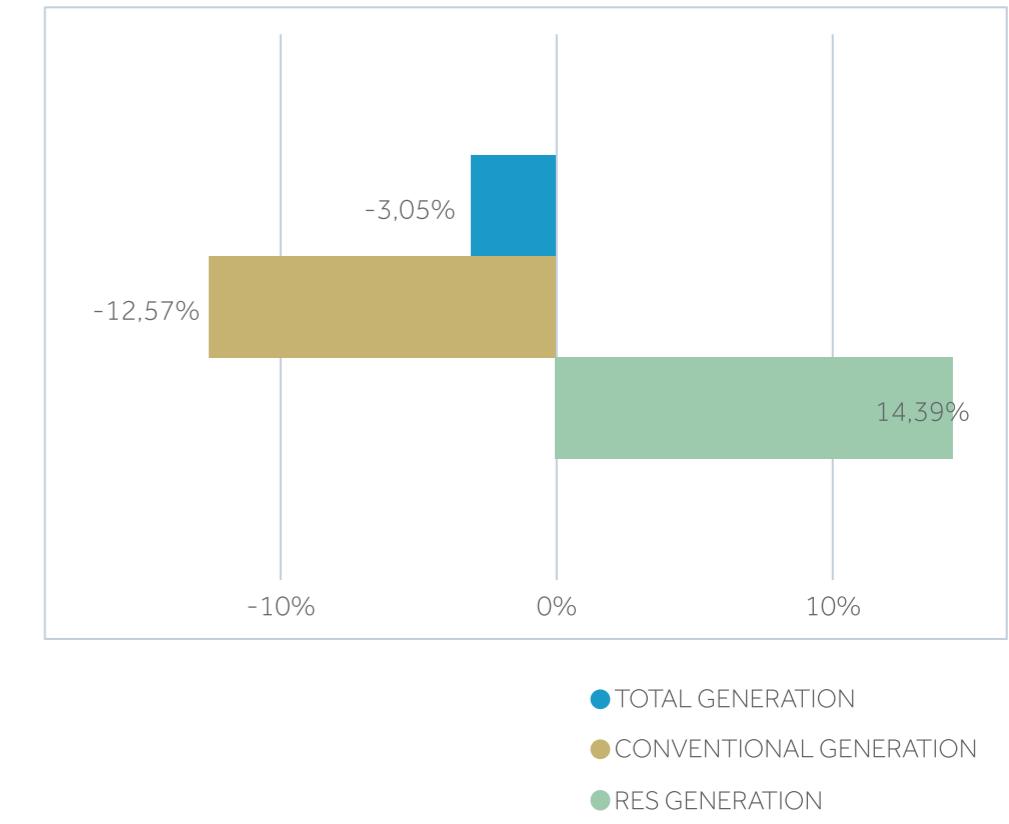
Variation of Generation in comparison to the previous year

VARIATION OF GENERATION in comparison to the same month of the previous year



VARIATION OF GENERATION

of current year in comparison to the same period of the previous year



Notes

Variation of generation refers to the net generation.

Total Generation includes the generation of conventional production units and RES units and refers to the injection point in the System.

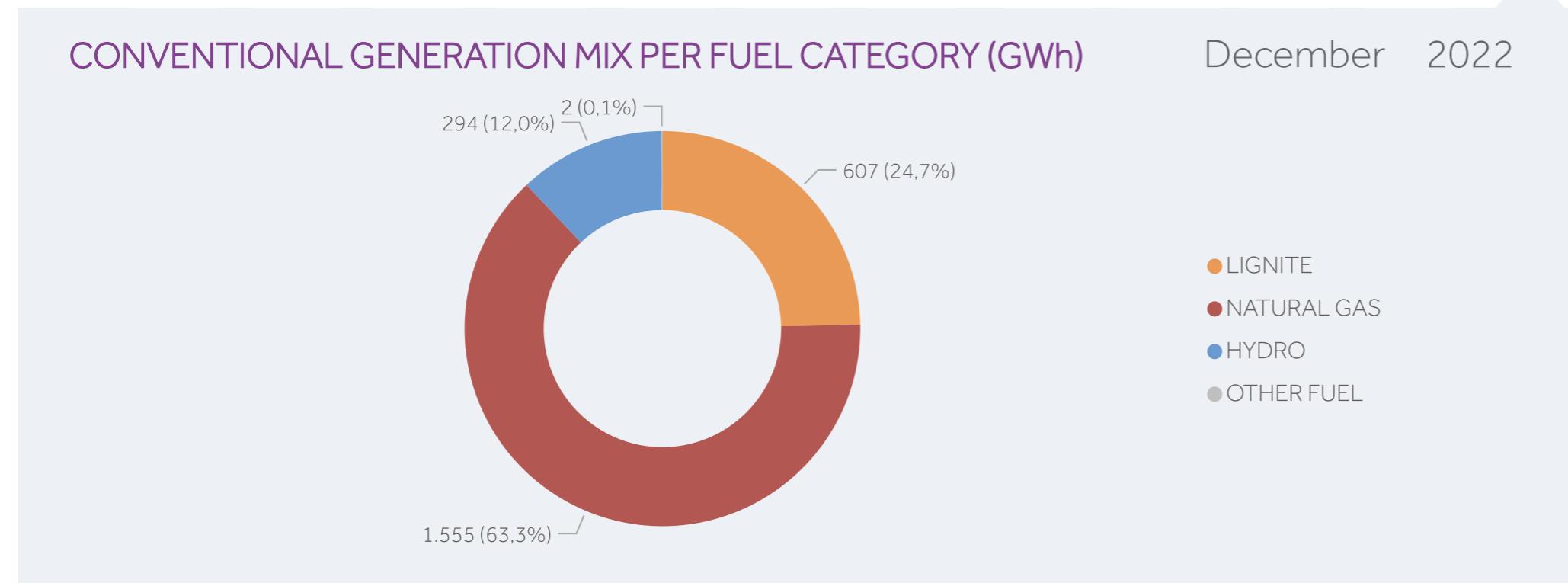
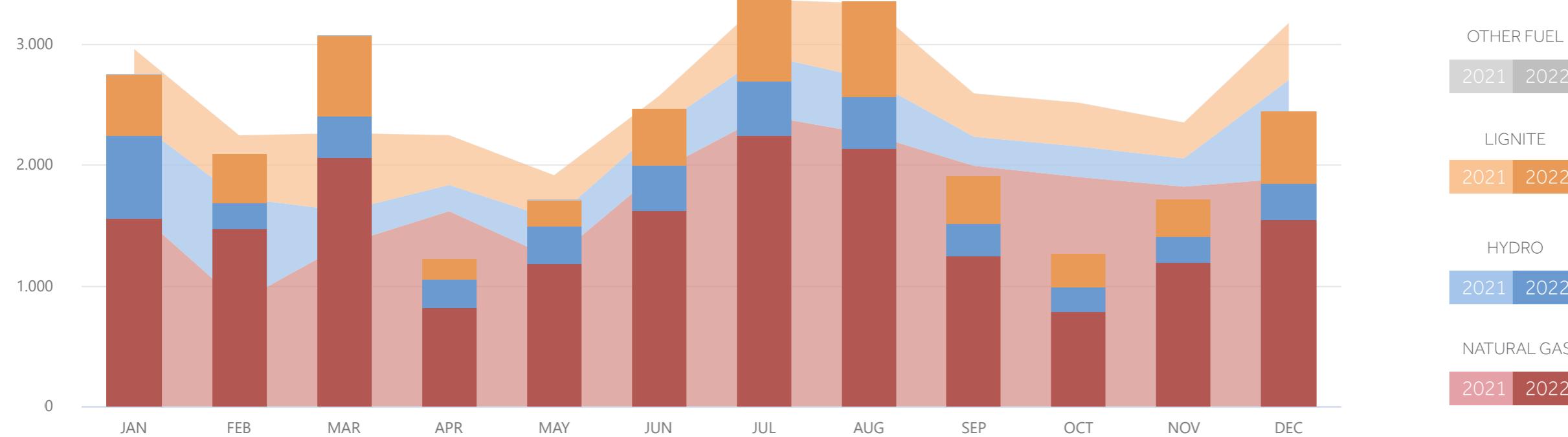
Conventional Generation includes the generation of large scale hydro units, as well as the generation of dispatchable co-generation units that has not been characterised as high efficiency Co-Generation.

RES Generation includes

- generation in the point of injection to the System from RES generation connected directly to System substations (System RES)
- generation from dispatchable co-generation units that has been characterised as high efficiency Co-Generation (System RES)
- estimation of generation in the Distribution Network (Network RES), which results from certified measurements for the Medium Voltage and measurements and estimations for the Low Voltage.

Conventional Generation Mix

EVOLUTION OF CONVENTIONAL GENERATION MIX (GWh) Annex 2.2

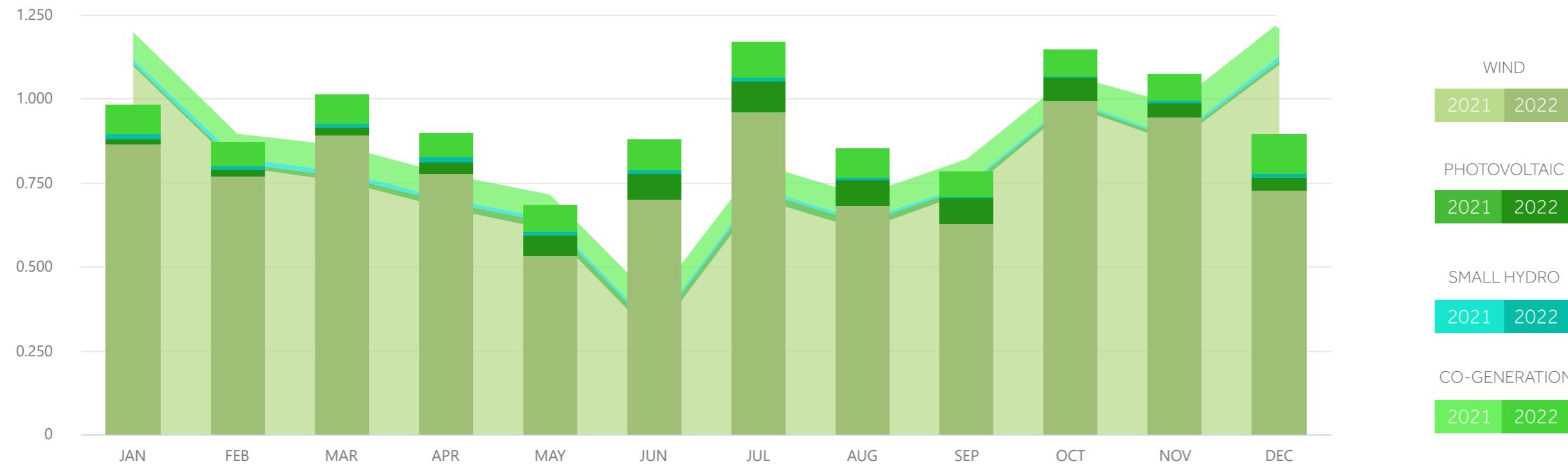


System RES Generation Mix

EVOLUTION OF SYSTEM RES GENERATION MIX (GWh)

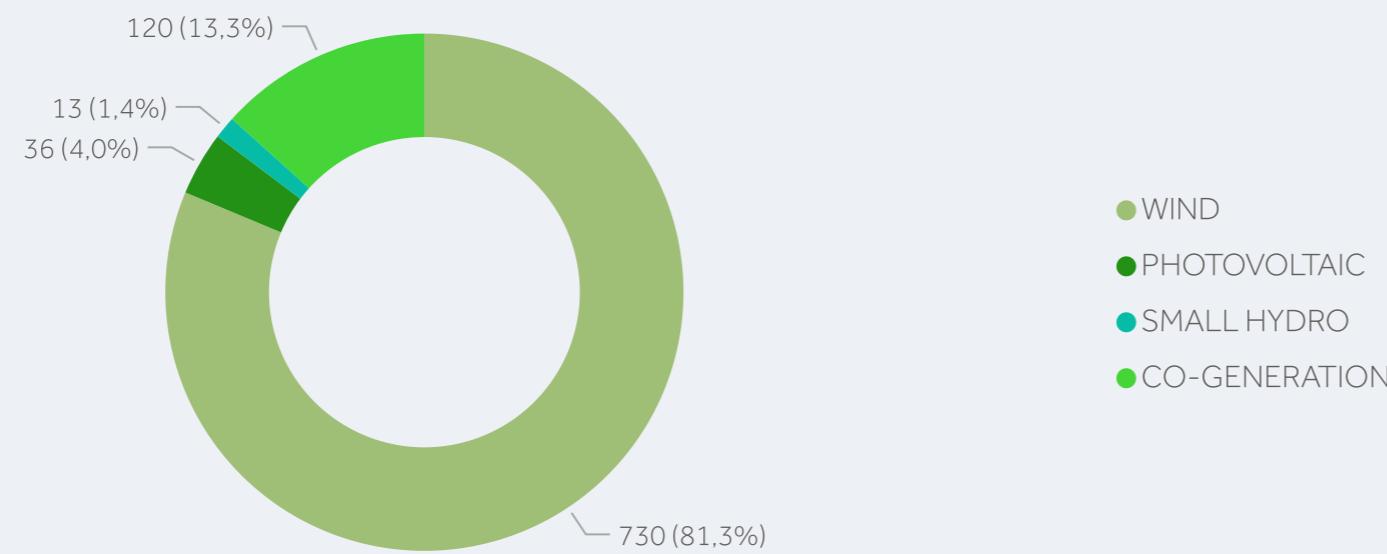


Annex 2.3



SYSTEM RES GENERATION MIX PER RES TECHNOLOGY (GWh)

December 2022



Notes

RES Generation includes:

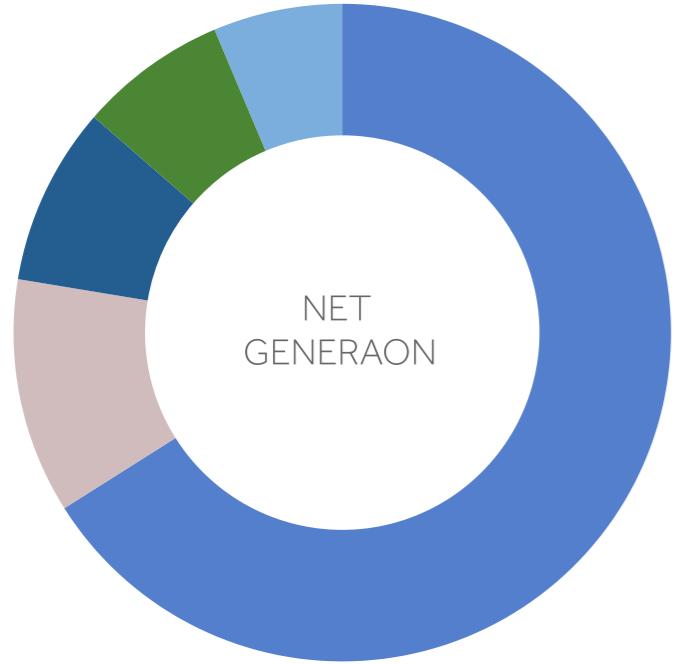
- generation in the point of injection to the System from RES generation connected directly to System substations (System RES)
- generation from dispatchable co-generation units that has been characterised as high efficiency Co-Generation (System RES)

Conventional Generation per Producer

NET CAPACITY (MW) - NET GENERATION (GWh)

December 2022

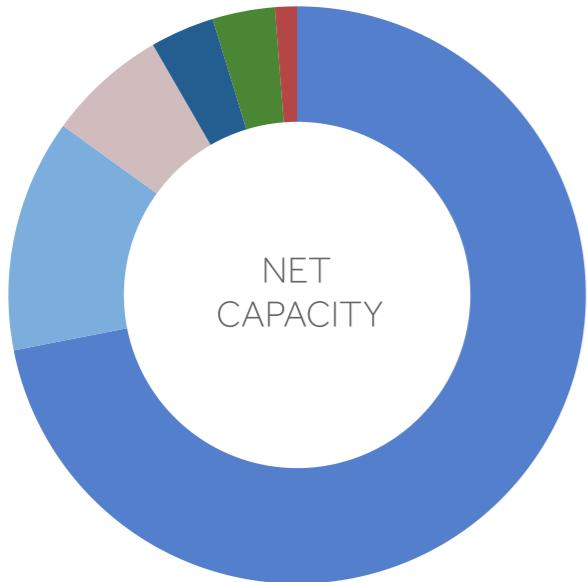
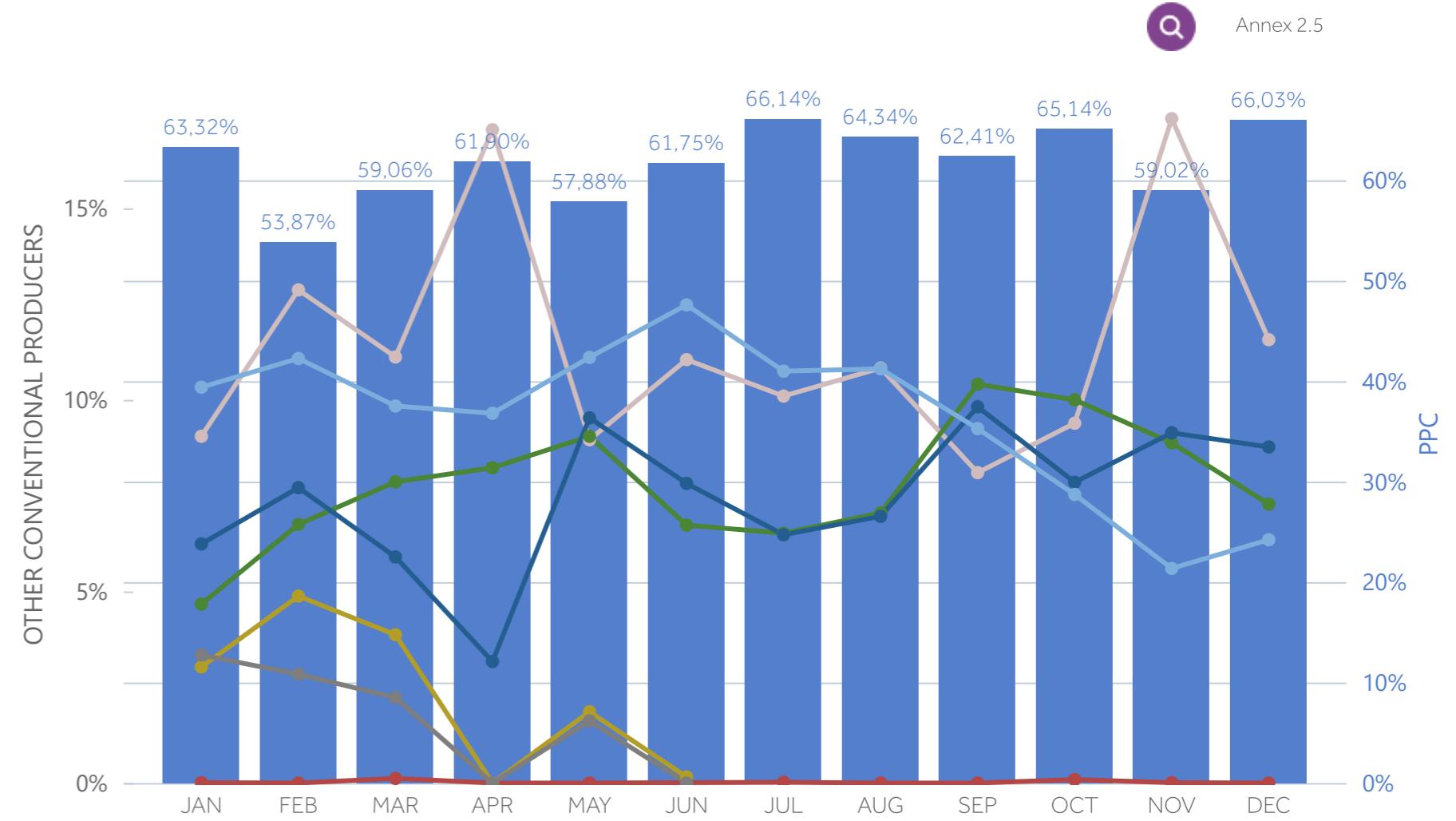
 Annex 2.4



	GWh	%	PRODUCER
●	1.685,95	66,03%	PPC
●	295,47	11,57%	ELPEDISON
●	223,93	8,77%	KOR_POWER
●	185,79	7,28%	HERON2_V
●	162,05	6,35%	MYTILINEOS
●	0,06	0,00%	HERON

PERCENTAGE OF NET CONVENTIONAL GENERATION IN THE SYSTEM (%)

 Annex 2.5



	MW	%	PRODUCER
●	8.674,86	71,92%	PPC
●	1.572,70	13,04%	MYTILINEOS
●	810,18	6,72%	ELPEDISON
●	433,46	3,59%	KOR_POWER
●	422,14	3,50%	HERON2_V
●	147,76	1,23%	HERON

Notes

- Generation refers to the injection point in the System.
- Conventional Generation includes the generation of large scale hydro units, as well as the generation of dispatchable co-generation units that has not been characterised as high efficiency Co-Generation.

Net Generation - Net Capacity by Dispatchable Generation Units in the System



Annex 2.6

NET GENERATION (GWh)

AGRAS	2,76
AOOS	11,72
ASOMATA	7,15
EDESSAIOS	2,37
ILARIONAS	22,36
KASTRAKI	35,77
KREMASTA	51,12
LADONAS	12,80
PLASTIRAS	2,53
PLATANOVRYSI	10,71
POLYFYTO	21,51
POURNARI1	49,60
POURNARI2	6,13
SFIKIA	19,46
STRATOS1	17,40
THESAVROS	20,45
AGIOS DIMITRIOS1	0,00
AGIOS DIMITRIOS2	26,56
AGIOS DIMITRIOS3	105,62
AGIOS DIMITRIOS4	49,78
AGIOS DIMITRIOS5	178,05
MEGALOPOLI3	0,00
MEGALOPOLI4	63,53
MELITI	57,66
PROLEMAIDA5	125,40
AGIOS NIKOLAOS2	22,21
ALIVERIS5	180,68
ALOUMINIO	139,84
ELPEDISON THESS	153,31
ELPEDISON THISVI	142,16
HERON CC	185,79
KOMOTINI	130,21
KORINTHOS POWER	223,93
LAVRIO4	128,37
LAVRIO5	66,66
MEGALOPOLI5	279,62
PROTERGIA CC	0,00
HERON1	0,03
HERON2	0,02
HERON3	0,02

NET CAPACITY (MW)

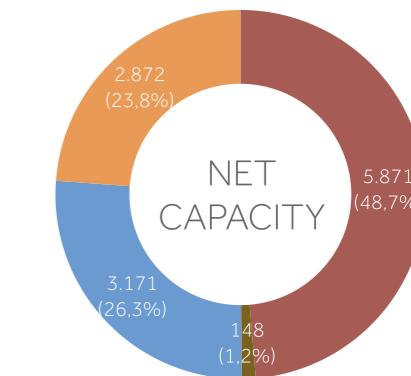
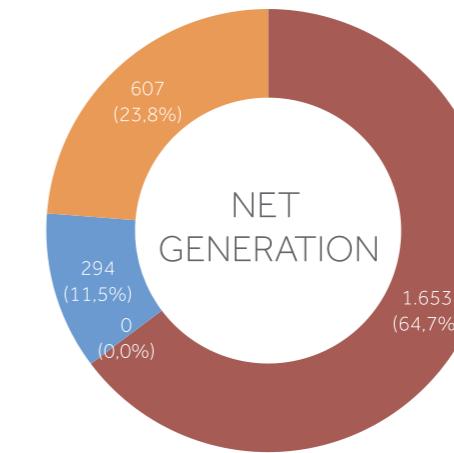
50	7,42%
210	7,50%
108	8,89%
19	16,73%
153	19,64%
320	15,02%
437	15,72%
70	24,58%
130	2,62%
116	12,42%
375	7,71%
300	22,22%
34	24,51%
315	8,30%
150	15,59%
384	7,16%
274	0,00%
274	13,03%
283	50,16%
283	23,64%
342	69,97%
255	0,00%
256	33,36%
289	26,82%
616	27,36%
806	3,70%
417	58,24%
334	56,27%
400	51,49%
410	46,60%
422	59,15%
476	36,74%
433	69,44%
550	31,36%
378	23,73%
811	46,34%
433	0,00%
49	0,07%
49	0,04%
49	0,06%

UTILISATION COEFFICIENT (%)

50	7,42%
210	7,50%
108	8,89%
19	16,73%
153	19,64%
320	15,02%
437	15,72%
70	24,58%
130	2,62%
116	12,42%
375	7,71%
300	22,22%
34	24,51%
315	8,30%
150	15,59%
384	7,16%
274	0,00%
274	13,03%
283	50,16%
283	23,64%
342	69,97%
255	0,00%
256	33,36%
289	26,82%
616	27,36%
806	3,70%
417	58,24%
334	56,27%
400	51,49%
410	46,60%
422	59,15%
476	36,74%
433	69,44%
550	31,36%
378	23,73%
811	46,34%
433	0,00%
49	0,07%
49	0,04%
49	0,06%

	Net Capacity (MW)	Net Production (GWh)	Utilisation Coefficient (%)
N.G. Open Cycle	148	0,06	0,1%
Hydro	3.171	294	12,5%
Lignite	2.872	607	28,4%
N.G. Combined Cycle	5.871	1.653	37,8%

12.061 **2.553** **28,5%**



Notes

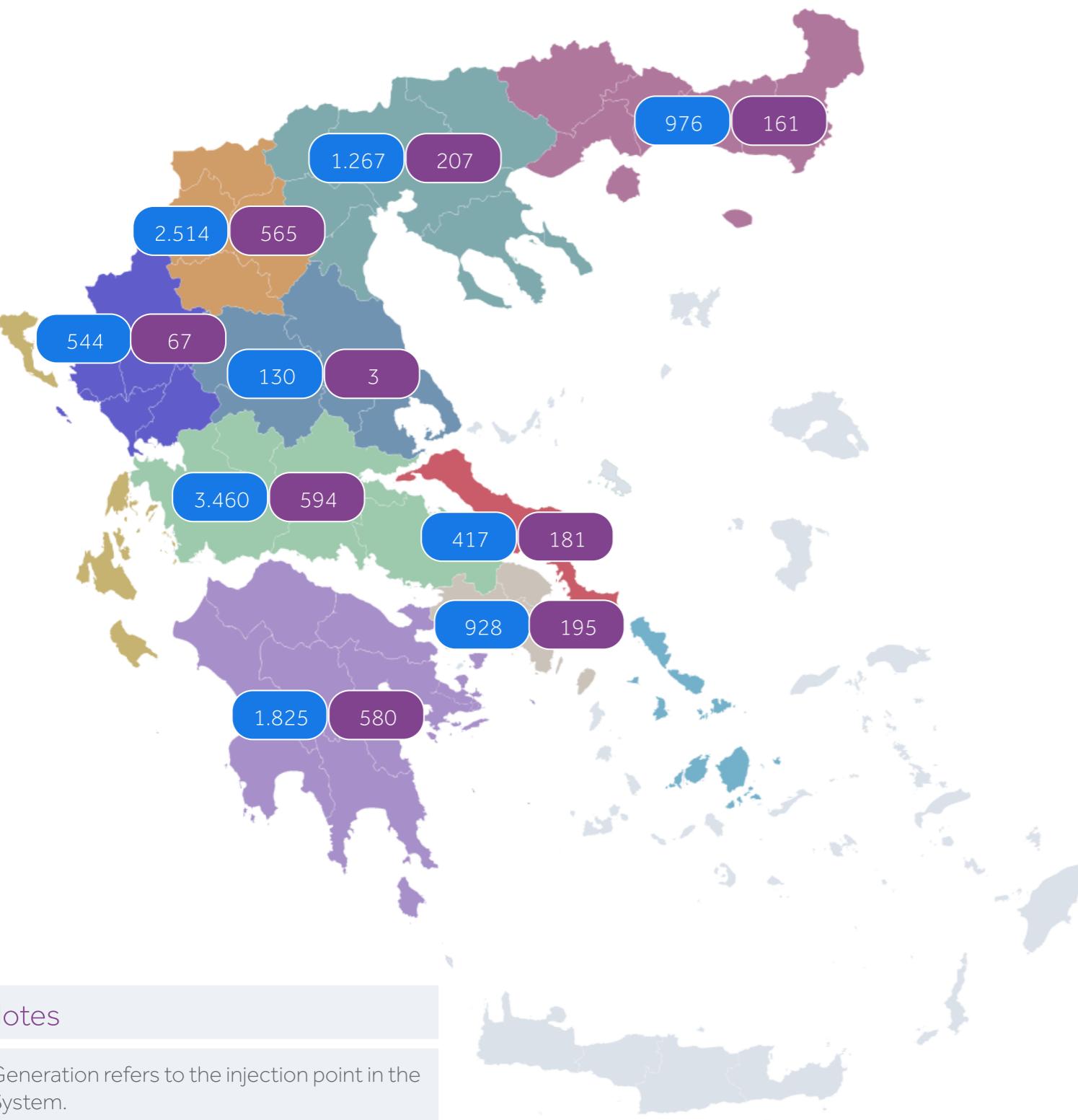
- Generation refers to the injection point in the System.
- Generation by dispatchable co-generation units that has not been characterised as high efficiency Co-Generation is the total generation (conventional and Co-Generation).
- Utilisation coefficient is the ratio of the monthly electricity generation to the maximum possible electricity generation during this period.
- The generation units Agios Nikolaos2 and Ptolemaida5 are in trial phase. Their Net Capacity shall be precisely determined following the completion of the trial phase.

Geographical Distribution of Conventional Generation

 Annex 2.7

GEOGRAPHICAL DISTRIBUTION OF CONVENTIONAL GENERATION

NET CAPACITY (MW) | NET GENERATION (GWh)

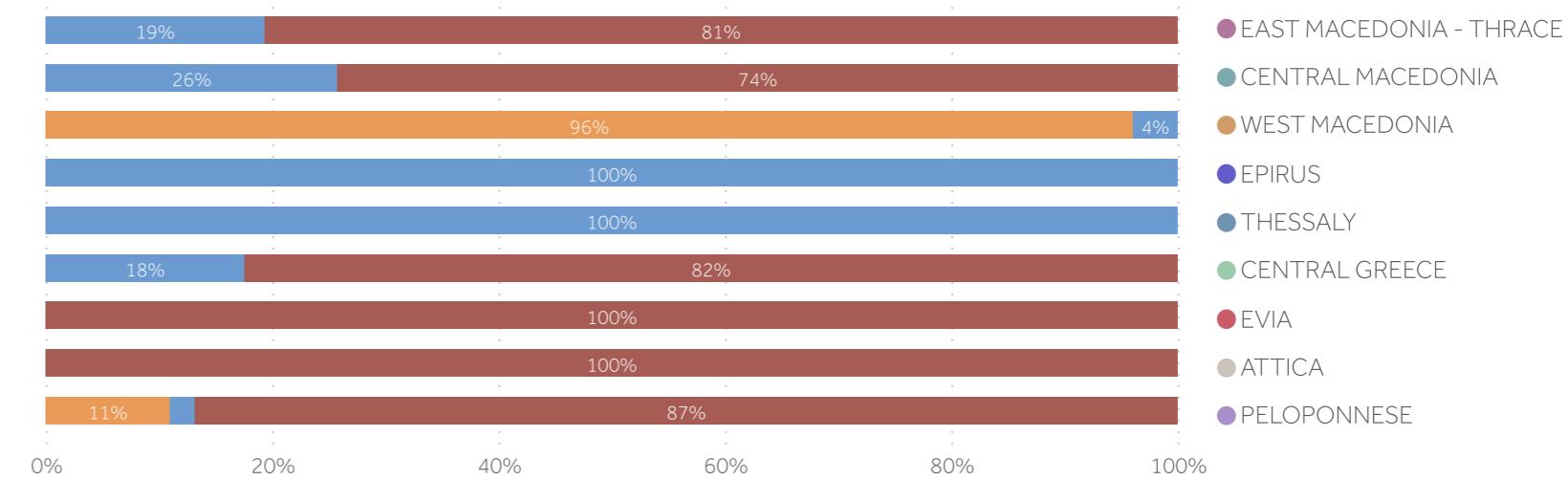


ENERGY MIX OF CONVENTIONAL GENERATION

	(MW)	%	(GWh)	%	
	3.171	26,3%	294	11,5%	HYDRO
	2.872	23,8%	607	23,8%	LIGNITE
	6.018	49,9%	1.653	64,7%	NATURAL GAS

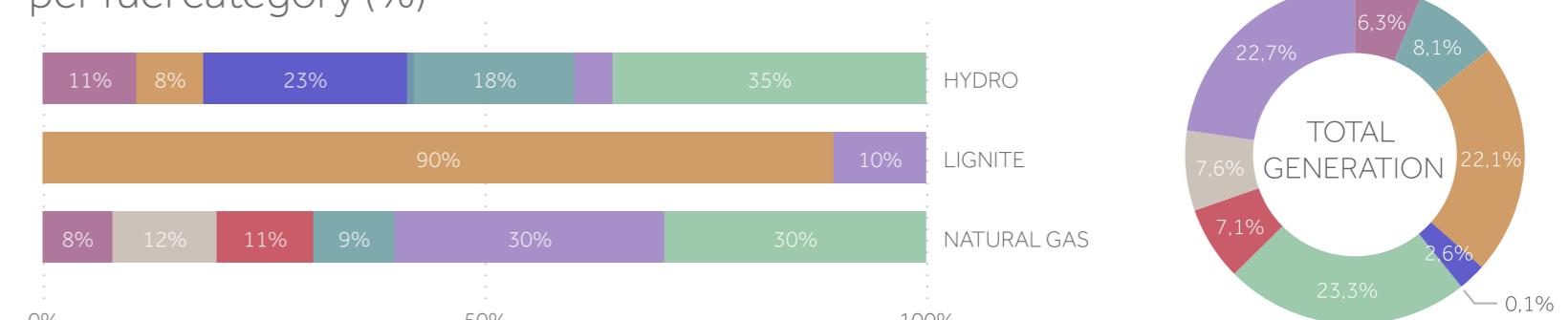
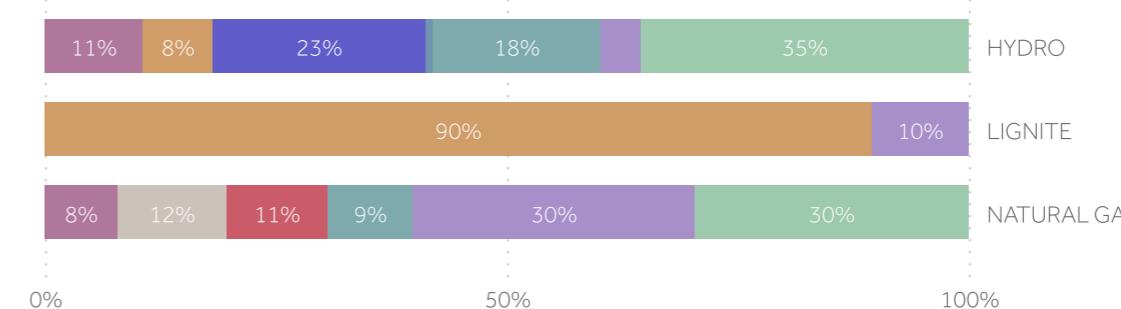
12.061**2.553**

per geographical area (%)



GEOGRAPHICAL DISTRIBUTION OF CONVENTIONAL GENERATION

per fuel category (%)



Notes

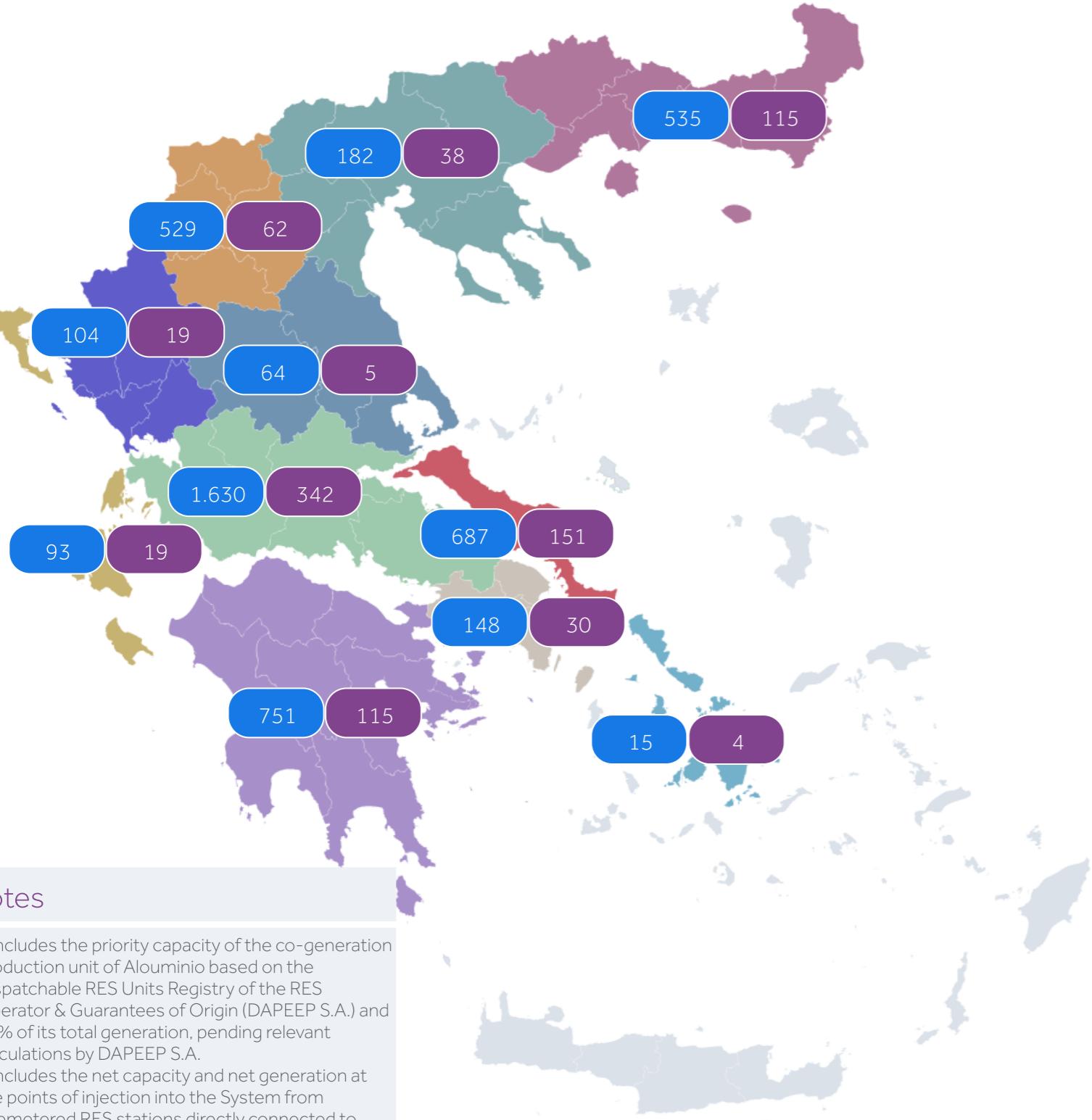
- Generation refers to the injection point in the System.
- Generation by dispatchable co-generation units that has not been characterised as high efficiency Co-Generation is the total generation (conventional and Co-Generation).

Geographical Distribution of System RES Generation

 Annex 2.8

GEOGRAPHICAL DISTRIBUTION OF SYSTEM RES GENERATION

NET CAPACITY (MW) | NET GENERATION (GWh)



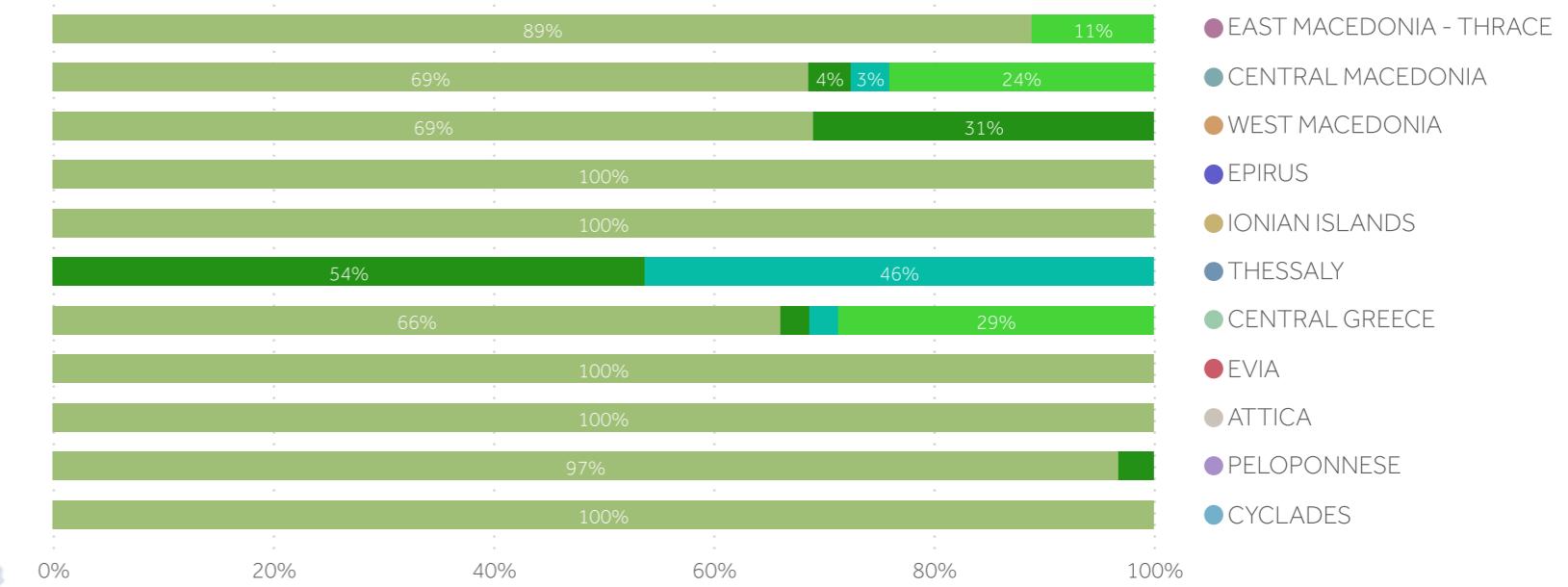
Notes

- It includes the priority capacity of the co-generation production unit of Aluminio based on the Dispatchable RES Units Registry of the RES Operator & Guarantees of Origin (DAPEEP S.A.) and 70% of its total generation, pending relevant calculations by DAPEEP S.A.
- It includes the net capacity and net generation at the points of injection into the System from telemetered RES stations directly connected to System's substations.
- In the geographical distribution, net capacity and net generation are included in the area where the connection point of the RES station to the System is located.

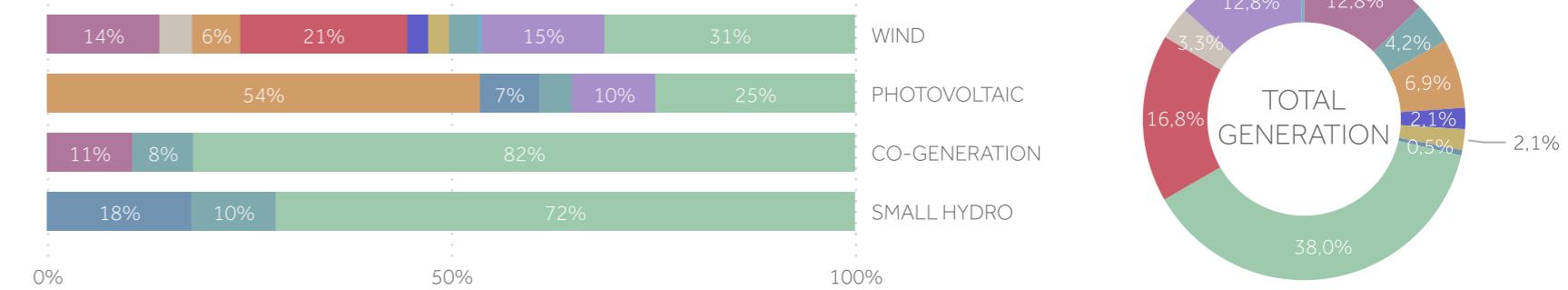
ENERGY MIX OF SYSTEM RES GENERATION

	(MW)	%	(GWh)	%	
	4.014	84,7%	730	81,3%	WIND
	522	11,0%	36	4,0%	PHOTOVOLTAIC
	37	0,8%	13	1,4%	SMALL HYDRO
	167	3,5%	120	13,3%	CO-GENERATION
	4.739		898		

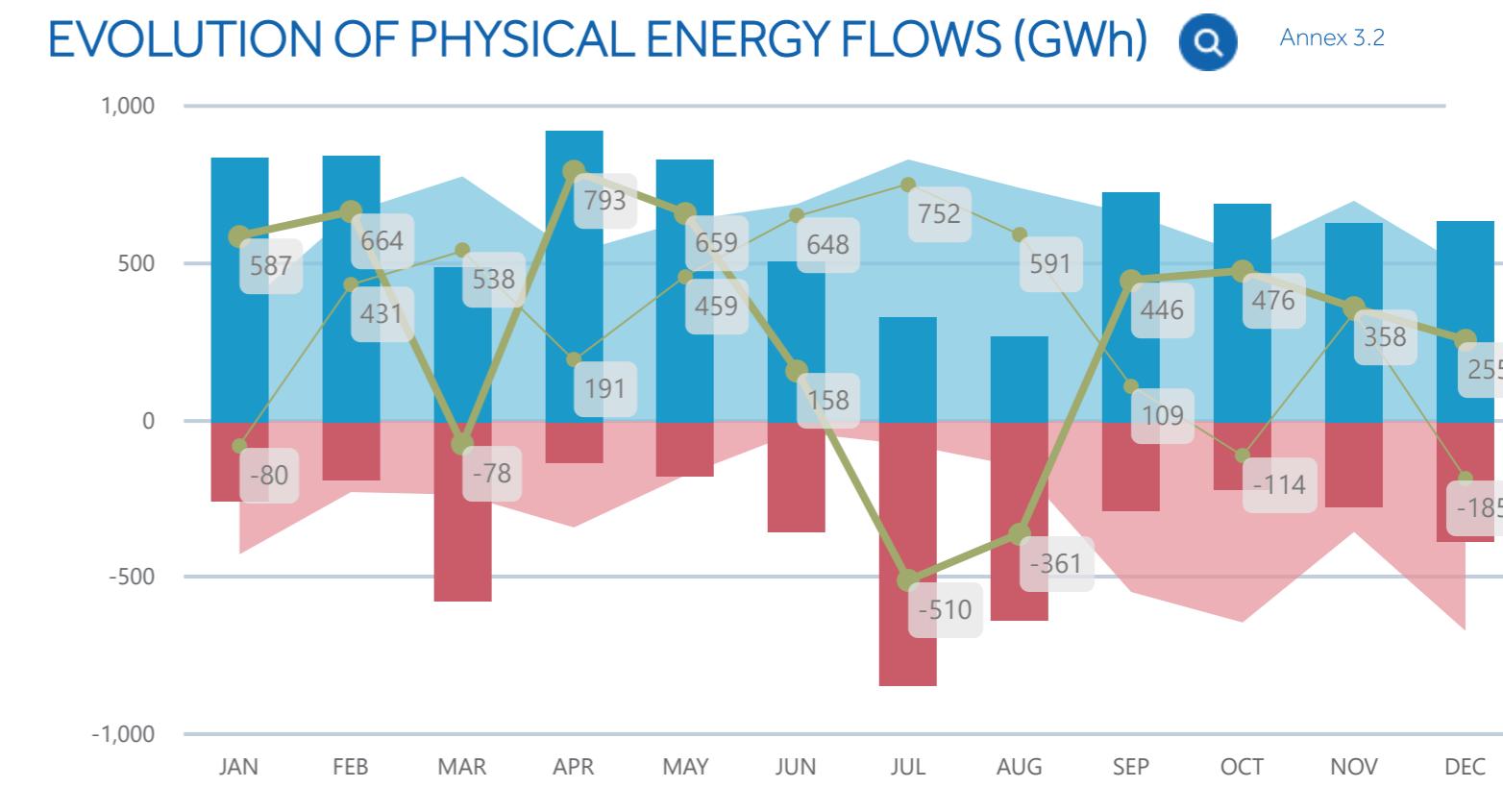
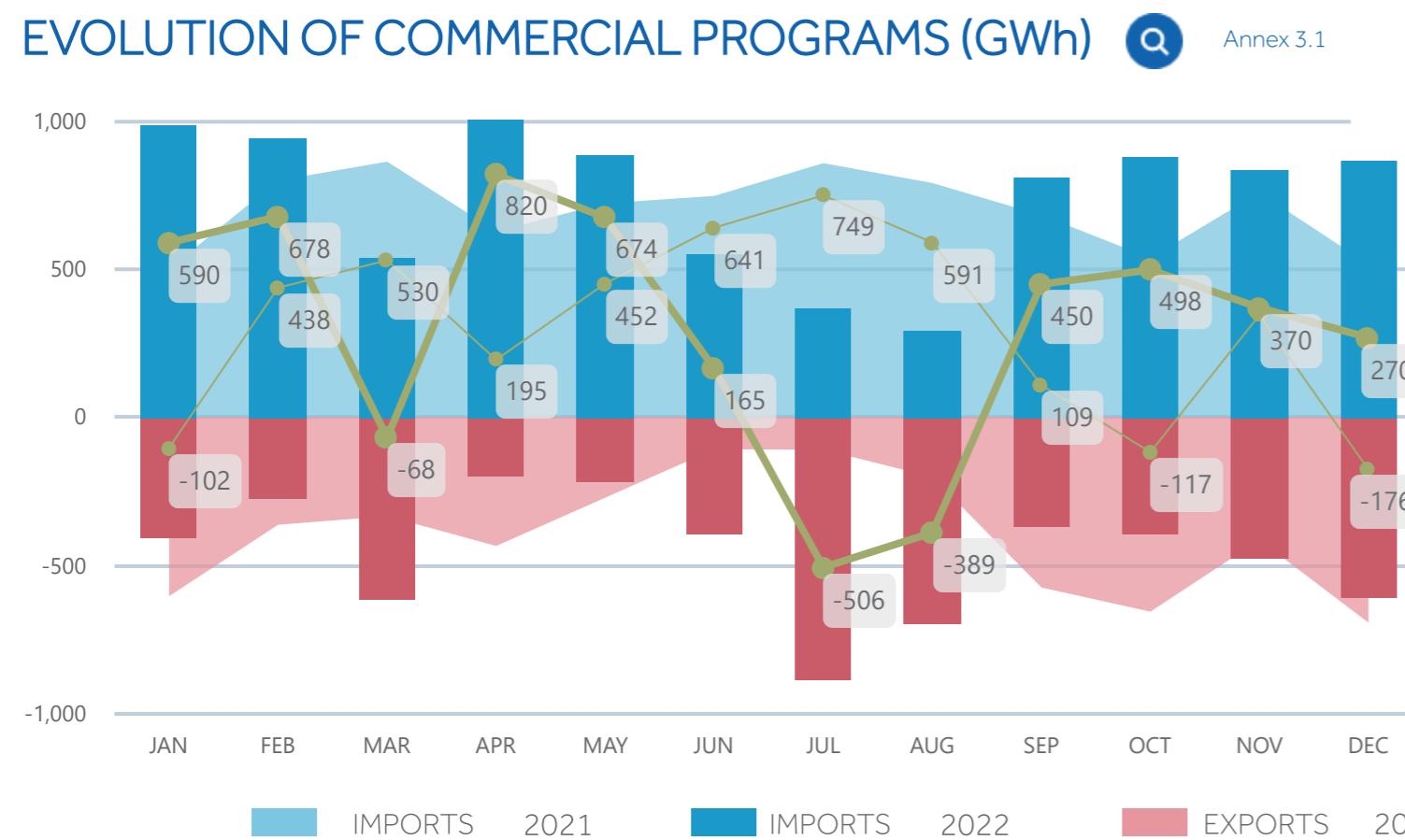
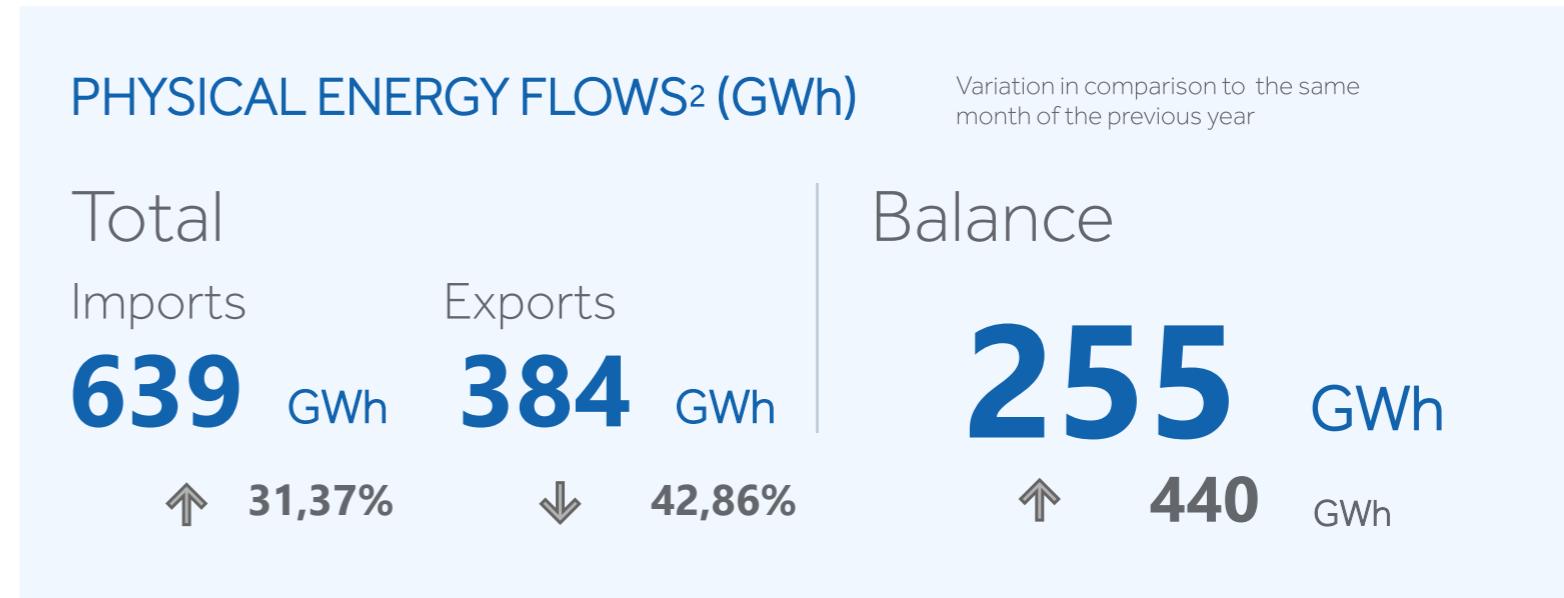
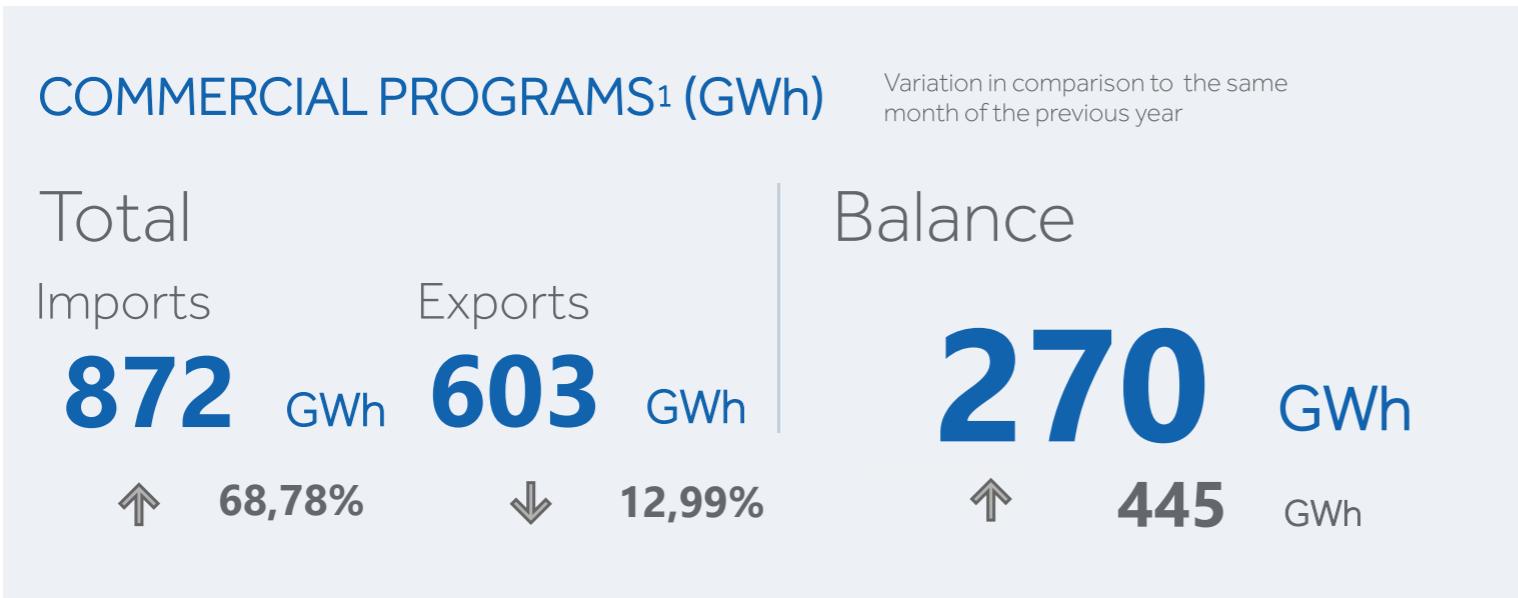
per geographical area (%)



GEOGRAPHICAL DISTRIBUTION OF SYSTEM RES GENERATION per RES technology (%)



Energy on Interconnections



Notes

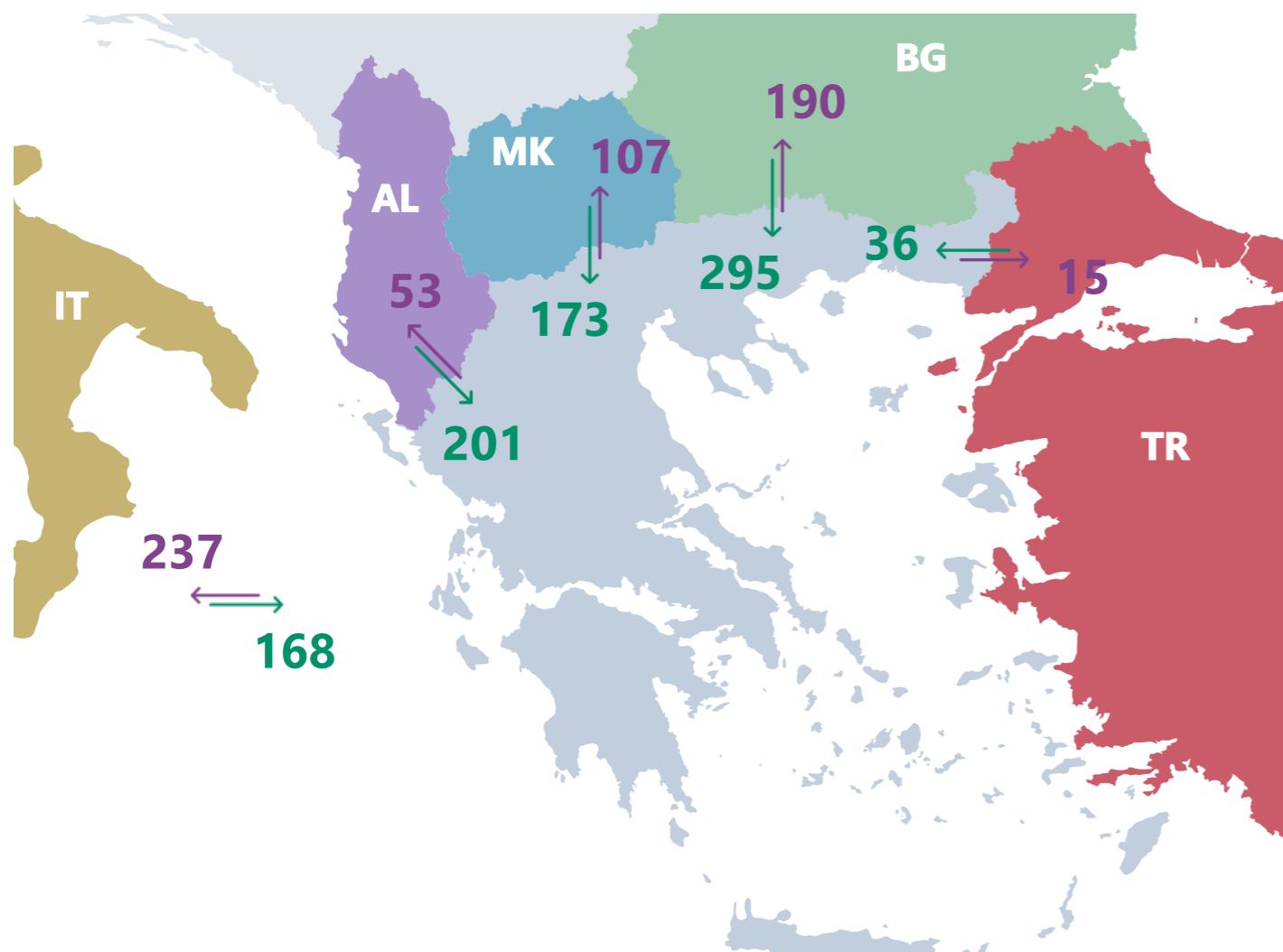
1 Balance of commercial programs in the interconnections is calculated as the difference "Commercial Program Imports"- "Commercial Program Exports" for all the interconnections.

2 Balance of physical energy flows on the interconnections is calculated as the difference "Physical Flow Imports " - "Physical Flow Exports" for all the interconnections.

Commercial Programs per Interconnection

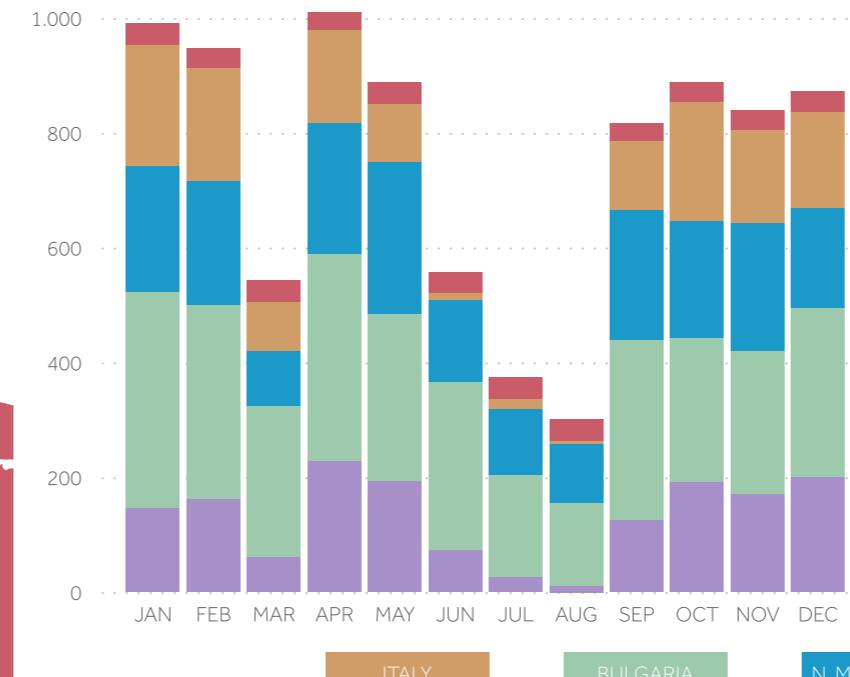
Interconnection Balance

270 GWh **445** GWh

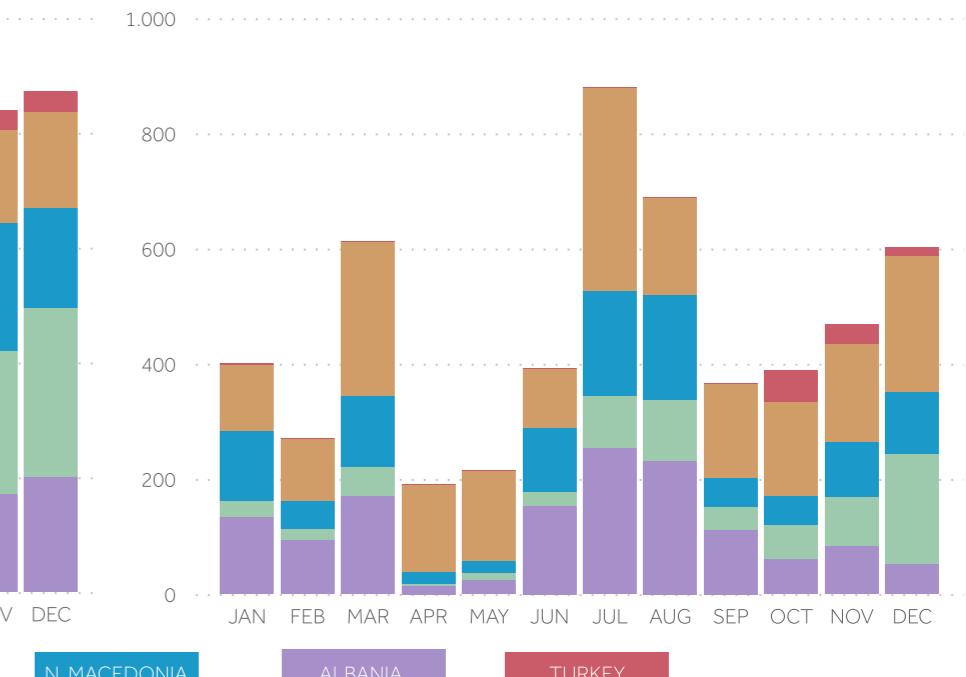


COMMERCIAL PROGRAMS PER INTERCONNECTION

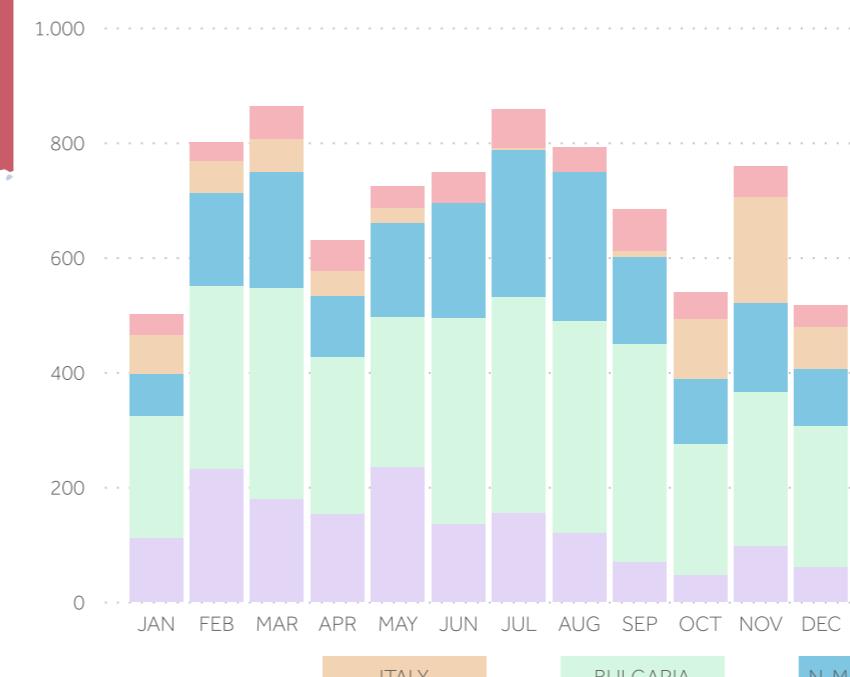
IMPORTS 2022



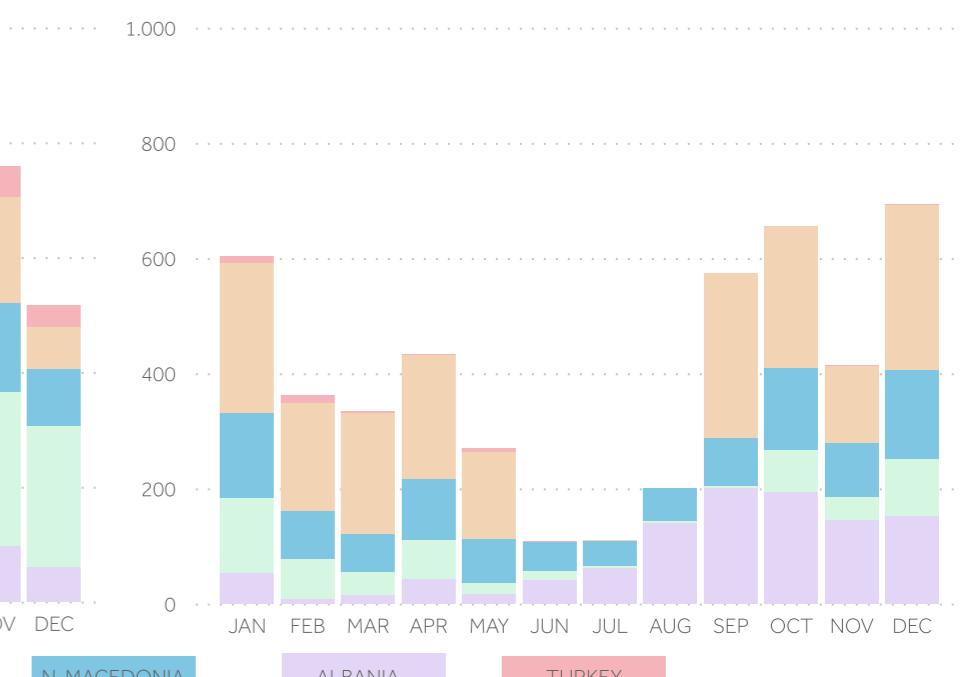
EXPORTS 2022



IMPORTS 2021



EXPORTS 2021





At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

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MONTHLY ENERGY BULLETIN | December 2022 | 2nd VERSION

1.1 Demand by Consumption Category (GWh)

2021

MONTH	SYSTEM TO NETWORK BOUNDARY SUBSTATIONS	DEMAND SUPPLIED BY GENERATION UNITS ON THE NETWORK	HIGH VOLTAGE CONSUMERS	MINES	SELF-PRODUCTION	PUMPING	SYSTEM LOSSES	CRETE INTERCONNECTION	TOTAL DEMAND	SYSTEM DEMAND
JAN	3.327,482	410,058	567,953	28,312	23,482	13,429	114,367		4.485,082	4.075,024
FEB	2.888,719	461,749	518,860	26,618	25,564	6,982	102,669		4.031,162	3.569,413
MAR	2.966,643	556,617	543,538	30,161	23,102	0,486	95,078		4.215,626	3.659,009
APR	2.529,440	590,439	542,251	27,287	21,615	1,992	88,617		3.801,640	3.211,202
MAY	2.366,902	680,777	572,384	23,551	23,062	10,473	89,140		3.766,289	3.085,513
JUN	2.909,490	641,226	562,924	23,279	20,996	6,868	95,688		4.260,471	3.619,246
JUL	4.111,937	716,561	586,716	20,381	14,635	1,097	141,808	48,088	5.641,224	4.924,664
AUG	3.878,855	689,390	517,249	22,108	13,427	3,813	139,568	64,624	5.329,034	4.639,643
SEP	2.700,287	597,047	576,156	22,448	23,607	4,892	127,422	65,247	4.117,107	3.520,059
OCT	2.633,178	511,803	603,794	22,838	19,918	10,194	129,103	50,068	3.980,897	3.469,093
NOV	2.912,868	402,213	576,800	22,018	19,433	7,921	121,506	17,812	4.080,572	3.678,358
DEC	3.434,163	483,606	572,130	26,506	17,651	14,659	137,468	15,232	4.701,415	4.217,809
	36.659,965	6.741,486	6.740,754	295,507	246,492	82,807	1.382,437	261,072	52.410,519	45.669,033

2022

MONTH	SYSTEM TO NETWORK BOUNDARY SUBSTATIONS	DEMAND SUPPLIED BY GENERATION UNITS ON THE NETWORK	HIGH VOLTAGE CONSUMERS	MINES	SELF-PRODUCTION	PUMPING	SYSTEM LOSSES	CRETE INTERCONNECTION	TOTAL DEMAND	SYSTEM DEMAND
JAN	3.522,907	544,040	597,001	26,369	17,832	6,697	135,586	30,709	4.881,141	4.337,101
FEB	2.931,616	532,601	520,613	23,269	18,557	13,968	113,462	22,426	4.176,513	3.643,912
MAR	3.217,662	670,517	593,668	27,033	16,131	12,167	132,691	21,882	4.691,750	4.021,234
APR	2.157,966	766,852	560,247	23,923	26,073	28,787	97,459	36,490	3.697,796	2.930,944
MAY	2.264,009	831,875	577,749	23,283	23,583	18,456	93,174	68,731	3.900,859	3.068,984
JUN	2.739,918	812,167	548,122	21,373	19,846	16,530	112,667	58,238	4.328,862	3.516,695
JUL	3.342,341	917,507	554,781	22,296	14,252	13,214	135,301	19,791	5.019,483	4.101,976
AUG	3.169,611	796,824	500,401	21,989	13,506	12,797	114,555	31,574	4.661,257	3.864,433
SEP	2.425,317	764,063	551,629	19,329	23,186	15,884	95,750	20,704	3.915,862	3.151,798
OCT	2.149,024	736,287	569,862	19,788	28,087	27,245	94,576	19,194	3.644,063	2.907,776
NOV	2.409,717	521,601	568,989	19,337	23,396	20,627	95,852	28,176	3.687,695	3.166,095
DEC	2.852,145	468,437	563,120	22,512	27,540	20,216	105,848	22,819	4.082,636	3.614,199
	33.182,232	8.362,771	6.706,183	270,503	251,987	206,587	1.326,921	380,734	50.687,917	42.325,146



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

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MONTHLY ENERGY BULLETIN | December 2022 | 2nd VERSION

1.2 Maximum and Minimum Hourly Total Demand (MW)

2021

MONTH	MAXIMUM TOTAL DEMAND	MAXIMUM TOTAL DEMAND DATE	MAXIMUM TOTAL DEMAND TIME	MINIMUM TOTAL DEMAND	MINIMUM TOTAL DEMAND DATE	MINIMUM TOTAL DEMAND TIME
JAN	8.754	18/01/2021	13:00	3.840	01/01/2021	6:00
FEB	8.574	16/02/2021	13:00	3.891	08/02/2021	5:00
MAR	7.567	23/03/2021	13:00	3.955	15/03/2021	6:00
APR	7.193	01/04/2021	14:00	3.618	30/04/2021	5:00
MAY	6.828	26/05/2021	13:00	3.204	03/05/2021	7:00
JUN	9.836	30/06/2021	15:00	3.778	13/06/2021	7:00
JUL	10.620	30/07/2021	14:00	5.090	25/07/2021	7:00
AUG	10.715	05/08/2021	15:00	4.856	22/08/2021	6:00
SEP	8.116	01/09/2021	14:00	4.102	12/09/2021	5:00
OCT	6.750	14/10/2021	13:00	3.934	25/10/2021	4:00
NOV	7.452	26/11/2021	13:00	3.863	07/11/2021	5:00
DEC	8.494	21/12/2021	19:00	4.245	27/12/2021	5:00

2022

MONTH	MAXIMUM TOTAL DEMAND	MAXIMUM TOTAL DEMAND DATE	MAXIMUM TOTAL DEMAND TIME	MINIMUM TOTAL DEMAND	MINIMUM TOTAL DEMAND DATE	MINIMUM TOTAL DEMAND TIME
JAN	9.223	24/01/2022	12:00	4.057	02/01/2022	5:00
FEB	8.311	03/02/2022	20:00	4.212	21/02/2022	5:00
MAR	8.467	10/03/2022	14:00	4.173	28/03/2022	5:00
APR	6.980	18/04/2022	21:00	3.295	25/04/2022	5:00
MAY	7.220	27/05/2022	13:00	3.626	02/05/2022	7:00
JUN	8.668	23/06/2022	14:00	3.988	12/06/2022	7:00
JUL	9.512	28/07/2022	14:00	4.324	11/07/2022	5:00
AUG	8.635	01/08/2022	14:00	4.168	15/08/2022	7:00
SEP	7.574	01/09/2022	14:00	3.741	26/09/2022	4:00
OCT	6.230	01/10/2022	14:00	3.532	31/10/2022	4:00
NOV	7.382	30/11/2022	13:00	3.555	07/11/2022	3:00
DEC	7.186	22/12/2022	20:00	3.754	26/12/2022	6:00

1.3 Maximum and Minimum Hourly System Demand (MW)

2021

MONTH	MAXIMUM SYSTEM DEMAND	MAXIMUM SYSTEM DEMAND DATE	MAXIMUM SYSTEM DEMAND TIME	MINIMUM SYSTEM DEMAND	MINIMUM SYSTEM DEMAND DATE	MINIMUM SYSTEM DEMAND TIME
JAN	8.371	19/01/2021	20:00	3.099	01/01/2021	15:00
FEB	8.153	17/02/2021	20:00	3.468	27/02/2021	15:00
MAR	7.131	23/03/2021	20:00	2.896	28/03/2021	15:00
APR	6.646	01/04/2021	21:00	2.375	30/04/2021	13:00
MAY	6.118	25/05/2021	22:00	1.728	02/05/2021	16:00
JUN	8.380	30/06/2021	22:00	2.992	13/06/2021	15:00
JUL	9.232	30/07/2021	20:00	4.135	25/07/2021	15:00
AUG	9.431	04/08/2021	22:00	3.516	15/08/2021	15:00
SEP	7.198	01/09/2021	21:00	2.904	26/09/2021	16:00
OCT	6.437	14/10/2021	20:00	2.749	03/10/2021	16:00
NOV	7.080	25/11/2021	20:00	3.295	21/11/2021	12:00
DEC	8.266	22/12/2021	20:00	3.880	27/12/2021	5:00

2022

MONTH	MAXIMUM SYSTEM DEMAND	MAXIMUM SYSTEM DEMAND DATE	MAXIMUM SYSTEM DEMAND TIME	MINIMUM SYSTEM DEMAND	MINIMUM SYSTEM DEMAND DATE	MINIMUM SYSTEM DEMAND TIME
JAN	8.622	27/01/2022	20:00	2.786	02/01/2022	13:00
FEB	7.937	03/02/2022	20:00	3.221	19/02/2022	13:00
MAR	8.052	10/03/2022	20:00	2.351	25/03/2022	12:00
APR	6.680	18/04/2022	21:00	1.016	24/04/2022	15:00
MAY	6.231	31/05/2022	22:00	2.412	20/05/2022	15:00
JUN	7.119	30/06/2022	22:00	2.813	19/06/2022	16:00
JUL	8.048	27/07/2022	22:00	2.877	10/07/2022	11:00
AUG	7.592	01/08/2022	22:00	2.226	15/08/2022	15:00
SEP	6.690	01/09/2022	21:00	1.982	25/09/2022	15:00
OCT	5.792	25/10/2022	20:00	1.846	30/10/2022	12:00
NOV	6.937	29/11/2022	20:00	2.662	01/11/2022	12:00
DEC	7.012	22/12/2022	20:00	2.240	25/12/2022	15:00



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

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MONTHLY ENERGY BULLETIN | December 2022 | 2nd VERSION

1.4 Average Hourly Total Demand and System Demand (MW) Working Days of Month

2021

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	5.095	5.404
2	4.651	4.960
3	4.603	4.914
4	4.473	4.783
5	4.409	4.716
6	4.536	4.843
7	4.973	5.279
8	5.676	5.990
9	6.011	6.556
10	5.937	7.023
11	5.737	7.247
12	5.520	7.267
13	5.451	7.252
14	5.507	7.187
15	5.579	6.991
16	6.095	7.061
17	6.605	7.080
18	7.089	7.405
19	7.401	7.720
20	7.432	7.751
21	7.303	7.620
22	6.792	7.111
23	6.187	6.503
24	5.749	6.063

2022

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	4.500	4.753
2	4.182	4.435
3	4.100	4.352
4	3.998	4.248
5	3.975	4.222
6	4.100	4.347
7	4.531	4.777
8	5.152	5.399
9	5.389	5.843
10	5.244	6.236
11	4.874	6.374
12	4.611	6.408
13	4.533	6.415
14	4.582	6.352
15	4.653	6.130
16	5.152	6.119
17	5.687	6.098
18	6.193	6.430
19	6.439	6.676
20	6.452	6.691
21	6.349	6.589
22	5.966	6.210
23	5.458	5.705
24	5.073	5.318

1.5 Hourly Total Demand and System Demand (MW) Date of Monthly Maximum and Minimum

Date of Maximum 22/12/2022

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	4.979	5.165
2	4.530	4.714
3	4.440	4.619
4	4.318	4.494
5	4.403	4.572
6	4.484	4.654
7	5.018	5.184
8	5.790	5.963
9	5.857	6.407
10	5.291	6.806
11	4.549	6.859
12	4.091	6.791
13	3.952	6.754
14	4.028	6.666
15	4.236	6.433
16	5.053	6.440
17	5.983	6.442
18	6.663	6.836
19	6.991	7.167
20	7.012	7.186
21	6.918	7.100
22	6.522	6.703
23	5.987	6.177
24	5.487	5.681

Date of Minimum 26/12/2022

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	4.033	4.232
2	3.754	3.948
3	3.680	3.867
4	3.616	3.795
5	3.602	3.777
6	3.578	3.754
7	3.655	3.831
8	3.803	3.986
9	3.668	4.224
10	3.038	4.610
11	2.591	4.983
12	2.413	5.196
13	2.393	5.295
14	2.497	5.272
15	2.592	4.943
16	3.259	4.795
17	4.167	4.711
18	4.884	5.082
19	5.303	5.500
20	5.363	5.565
21	5.277	5.482
22	5.088	5.297
23	4.780	4.991
24	4.537	4.752



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

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MONTHLY ENERGY BULLETIN | December 2022 | 2nd VERSION

1.6 Analysis of Load Representatives' Supply (GWh)

LOAD REPRESENTATIVE	2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	TOTAL
PPC	3.022,3	2.584,2	2.908,7	2.258,9	2.366,8	2.607,1	3.061,5	2.842,3	2.310,4	1.994,9	2.173,9	2.495,9	30.627,0
MYTILINEOS	322,8	282,0	316,4	255,3	275,6	317,0	359,2	331,5	333,3	455,0	312,6	296,4	3.857,1
HERON	298,6	267,4	293,2	237,1	254,0	289,3	336,2	309,0	277,4	263,4	261,8	272,1	3.359,6
ELPEDISON	276,7	233,8	266,6	234,9	236,4	257,2	303,6	286,7	245,4	229,8	225,3	237,3	3.033,7
NRG	200,8	171,5	194,1	150,2	163,3	188,7	220,3	202,9	176,4	166,3	166,4	182,1	2.183,0
ATTIKI GSC	98,5	83,1	91,3	73,2	79,2	91,1	103,8	96,8	89,0	82,4	86,3	96,7	1.071,5
WATT AND VOLT	117,0	93,8	101,9	72,7	73,8	86,8	106,2	98,3	76,0	67,6	70,8	83,1	1.048,0
VOLTERRA	87,1	83,3	90,8	74,9	81,6	91,0	99,8	92,7	88,6	83,3	76,4	72,3	1.021,6
ZENITH	92,8	75,7	85,8	62,1	63,2	74,7	93,4	86,9	68,6	64,8	69,7	84,4	922,1
VOLTON	73,8	59,3	68,1	49,6	49,2	55,4	65,3	59,2	42,6	36,3	35,6	40,2	634,6
PPC_USP	41,2	33,3	37,3	26,1	25,7	29,4	33,5	32,8	27,0	26,5	28,8	35,5	377,2
KEN	33,8	29,2	36,1	29,7	29,5	31,2	37,0	33,6	24,8	20,5	20,4	21,9	347,6
ELTA	12,7	10,8	11,2	8,0	8,1	10,1	12,0	10,8	7,5	6,0	5,6	6,2	109,2
ELINOIL	9,5	8,8	9,3	8,0	8,4	8,7	9,6	10,9	9,7	7,9	8,0	8,6	107,5
VIENER	8,5	8,5	8,6	6,8	7,7	8,8	7,6	6,2	7,4	6,3	6,5	5,3	88,1
EUNICE TRAD	3,7	3,3	3,9	3,2	3,8	4,6	5,1	4,9	4,7	5,1	4,9	5,1	52,3
OTE	2,6	2,2	2,4	2,0	2,0	1,2	2,2	2,2	1,8	1,7	1,7	1,9	24,0
MYTILINEOS_USP	1,3	1,1	1,2	0,9	0,8	1,0	1,9	1,8	1,5	1,4	1,5	1,9	16,4
ELPEDISON_USP	1,1	0,9	1,0	0,7	0,7	0,8	1,8	1,7	1,4	1,3	1,5	1,8	14,7
SOLAR ENERGY	1,1	1,0	1,3	1,0	1,1	1,2	1,6	1,3	1,3	1,4	1,1	1,1	14,5
LIG. MEGALOP	2,9	2,2	2,3	2,7	3,3	0,4							13,8
HERON_USP	1,2	1,0	1,1	0,8	0,8	0,9	1,5	1,4	1,2	1,1	1,2	1,5	13,8
LIG. MELITIS	1,9	2,1	2,6	3,0	3,0	0,3							12,9
MARKOU	0,6	0,7	0,8	0,4	0,1	0,1	0,1	0,1	1,6	3,6	1,3	0,7	9,9
NRG_USP	0,5	0,4	0,4	0,3	0,3	0,3	1,0	1,0	0,8	0,8	0,9	1,1	7,8
VIOLAR	0,4	0,2	0,2	0,1	0,1	0,1	0,1	0,1	0,7	2,2	0,6	0,3	5,0
KOR_POWER	0,4	0,3	0,3	0,5	0,3	0,2	0,1	0,1	0,2	0,6	0,4	0,2	3,6
HERON2_V	0,5	0,3	0,0	0,6	0,3	0,2	0,1	0,0	0,1	0,2	0,4	0,3	3,0
GREEN	0,3	0,2	0,2										0,7
LRS	0,0	0,0	0,0	0,1	0,0	0,1	0,0	0,0	0,0	0,0	0,0	0,0	0,2
TOTAL	4.714,8	4.040,6	4.537,2	3.563,8	3.739,0	4.158,0	4.864,4	4.515,1	3.799,4	3.530,3	3.563,7	3.954,0	48.980,3



At a glance



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1.7 Monthly Market Share of Load Representatives per voltage level (GWh/%)

LOAD REPRESENTATIVE	HV(GWh)	HV(%)	MV(GWh)	MV(%)	LV(GWh)	LV(%)	TOTAL(GWh)	TOTAL(%)
PPC	554,51	87,55%	309,83	39,30%	1.631,59	64,43%	2.495,93	63,12%
MYTILINEOS	11,02	1,74%	126,95	16,10%	158,43	6,26%	296,39	7,50%
HERON	4,15	0,66%	108,12	13,72%	159,87	6,31%	272,15	6,88%
ELPEDISON	62,82	9,92%	49,36	6,26%	125,14	4,94%	237,31	6,00%
NRG	0,10	0,02%	69,66	8,84%	112,32	4,44%	182,08	4,61%
ATTIKI GSC	0,00	0,00%	38,82	4,92%	57,84	2,28%	96,66	2,44%
ZENITH	0,00	0,00%	3,14	0,40%	81,27	3,21%	84,41	2,13%
WATT AND VOLT	0,00	0,00%	6,50	0,82%	76,64	3,03%	83,14	2,10%
VOLTERRA	0,30	0,05%	50,89	6,45%	21,10	0,83%	72,28	1,83%
VOLTION	0,00	0,00%	4,15	0,53%	36,02	1,42%	40,17	1,02%
PPC_USP	0,00	0,00%	0,00	0,00%	35,51	1,40%	35,51	0,90%
KEN	0,00	0,00%	2,43	0,31%	19,51	0,77%	21,94	0,55%
ELINOIL	0,00	0,00%	6,27	0,80%	2,31	0,09%	8,57	0,22%
ELTA	0,00	0,00%	1,96	0,25%	4,27	0,17%	6,23	0,16%
VIENER	0,00	0,00%	5,34	0,68%	0,00	0,00%	5,34	0,14%
EUNICE TRAD	0,01	0,00%	2,53	0,32%	2,52	0,10%	5,06	0,13%
OTE	0,00	0,00%	1,03	0,13%	0,90	0,04%	1,93	0,05%
MYTILINEOS_USP	0,00	0,00%	0,00	0,00%	1,91	0,08%	1,91	0,05%
ELPEDISON_USP	0,00	0,00%	0,00	0,00%	1,77	0,07%	1,77	0,04%
HERON_USP	0,00	0,00%	0,00	0,00%	1,50	0,06%	1,50	0,04%
SOLAR ENERGY	0,00	0,00%	0,44	0,06%	0,68	0,03%	1,12	0,03%
NRG_USP	0,00	0,00%	0,00	0,00%	1,10	0,04%	1,10	0,03%
MARKOU	0,00	0,00%	0,67	0,08%	0,00	0,00%	0,67	0,02%
HERON2_V	0,33	0,05%	0,00	0,00%	0,00	0,00%	0,33	0,01%
VIOLAR	0,00	0,00%	0,28	0,04%	0,01	0,00%	0,30	0,01%
KOR_POWER	0,16	0,02%	0,00	0,00%	0,00	0,00%	0,16	0,00%
TOTAL	633,39	100,00%	788,37	100,00%	2.532,22	100,00%	3.953,97	100,00%

2.1 Evolution of Energy Mix (GWh)

2021

MONTH	LIGNITE	NATURAL GAS	HYDRO	OTHER FUEL	SYSTEM RES	NETWORK RES	CRETE INTERCONNECTION (RES)	CONVENTIONAL GENERATION	SYSTEM GENERATION	TOTAL GENERATION
JAN	582,289	1.632,019	742,333	1,343	1.196,556	410,058	0,000	2.957,984	4.154,540	4.564,598
FEB	517,474	860,835	864,360	1,120	894,191	461,749	0,000	2.243,789	3.137,980	3.599,729
MAR	644,070	1.341,458	275,236	1,182	858,813	556,618	0,000	2.261,946	3.120,759	3.677,377
APR	411,780	1.614,592	217,613	1,325	775,222	590,439	0,000	2.245,310	3.020,532	3.610,971
MAY	363,367	1.220,888	327,656	1,574	713,406	680,777	0,000	1.913,485	2.626,891	3.307,668
JUN	253,896	1.947,593	366,873	1,676	400,716	641,226	0,000	2.570,038	2.970,754	3.611,980
JUL	458,763	2.406,897	499,770	1,805	805,713	716,561	0,000	3.367,235	4.172,948	4.889,509
AUG	622,200	2.254,440	458,919	1,687	711,662	689,390	0,000	3.337,246	4.048,908	4.738,298
SEP	357,917	1.991,022	240,397	2,131	819,137	597,047	0,000	2.591,467	3.410,604	4.007,651
OCT	361,527	1.897,807	253,158	2,064	1.068,134	511,803	0,000	2.514,556	3.582,690	4.094,493
NOV	296,693	1.818,200	233,429	2,125	981,948	402,214	3,923	2.350,447	3.336,318	3.738,532
DEC	470,818	1.887,545	814,273	2,247	1.225,631	483,606	2,228	3.174,883	4.402,742	4.886,348
	5.340,794	20.873,296	5.294,017	20,279	10.451,129	6.741,488	6,151	31.528,386	41.985,666	48.727,154

2022

MONTH	LIGNITE	NATURAL GAS	HYDRO	OTHER FUEL	SYSTEM RES	NERWORK RES	CRETE INTERCONNECTION (RES)	CONVENTIONAL GENERATION	SYSTEM GENERATION	TOTAL GENERATION
JAN	509,089	1.566,934	682,671	2,202	986,986	544,040	2,327	2.760,896	3.750,209	4.294,249
FEB	412,584	1.483,143	205,772	2,031	874,822	532,601	1,467	2.103,530	2.979,819	3.512,420
MAR	671,611	2.070,201	337,682	2,034	1.016,516	670,517	1,302	3.081,528	4.099,346	4.769,863
APR	176,127	827,202	228,322	1,916	902,052	766,852	2,020	1.233,567	2.137,639	2.904,491
MAY	222,826	1.184,083	312,270	2,209	687,767	831,875	0,382	1.721,388	2.409,537	3.241,412
JUN	468,099	1.627,528	379,159	2,338	880,934	812,167	0,428	2.477,124	3.358,486	4.170,653
JUL	739,377	2.249,903	447,562	2,396	1.171,811	917,507	1,108	3.439,238	4.612,157	5.529,664
AUG	794,904	2.141,674	429,492	2,452	856,810	796,824	0,315	3.368,522	4.225,647	5.022,471
SEP	394,231	1.249,569	269,580	2,357	788,578	764,063	1,324	1.915,737	2.705,639	3.469,702
OCT	277,407	793,115	207,132	2,491	1.148,214	736,286	3,813	1.280,145	2.432,172	3.168,458
NOV	312,781	1.200,292	211,790	2,155	1.078,388	521,601	2,650	1.727,018	2.808,056	3.329,657
DEC	606,588	1.554,965	293,816	2,287	898,398	468,437	2,756	2.457,656	3.358,810	3.827,247
	5.585,624	17.948,609	4.005,248	26,868	11.291,276	8.362,770	19,892	27.566,349	38.877,517	47.240,287

2.2 Evolution of Conventional Generation Mix (GWh)

2021

MONTH	LIGNITE	NATURAL GAS	HYDRO	OTHER FUEL	TOTAL CONVENTIONAL GENERATION
JAN	582,289	1.632,019	742,333	1,343	2.957,984
FEB	517,474	860,835	864,360	1,120	2.243,789
MAR	644,070	1.341,458	275,236	1,182	2.261,946
APR	411,780	1.614,592	217,613	1,325	2.245,310
MAY	363,367	1.220,888	327,656	1,574	1.913,485
JUN	253,896	1.947,593	366,873	1,676	2.570,038
JUL	458,763	2.406,897	499,770	1,805	3.367,235
AUG	622,200	2.254,440	458,919	1,687	3.337,246
SEP	357,917	1.991,022	240,397	2,131	2.591,467
OCT	361,527	1.897,807	253,158	2,064	2.514,556
NOV	296,693	1.818,200	233,429	2,125	2.350,447
DEC	470,818	1.887,545	814,273	2,247	3.174,883
	5.340,794	20.873,296	5.294,017	20,279	31.528,386

2.3 Evolution of System RES Generation Mix (GWh)

2021

MONTH	WIND	PHOTOVOLTAIC	SMALL HYDRO	CO-GENERATION	TOTAL SYSTEM RES GENERATION
JAN	1.095,67	7,86	12,51	80,51	1.196,56
FEB	795,79	10,91	15,99	71,50	894,19
MAR	752,82	15,33	12,82	77,85	858,81
APR	673,36	17,64	11,58	72,63	775,22
MAY	608,24	22,07	11,06	72,03	713,41
JUN	289,40	20,95	9,77	80,60	400,72
JUL	701,99	22,55	9,36	71,82	805,71
AUG	607,79	20,17	9,09	74,62	711,66
SEP	720,00	15,45	6,67	77,02	819,14
OCT	976,93	11,86	7,79	71,55	1.068,13
NOV	867,88	9,81	5,87	98,39	981,95
DEC	1.099,92	11,67	14,30	99,74	1.225,63
	9.189,80	186,26	126,81	948,25	10.451,12

2022

MONTH	LIGNITE	NATURAL GAS	HYDRO	OTHER FUEL	TOTAL CONVENTIONAL GENERATION
JAN	509,089	1.566,934	682,671	2,202	2.760,896
FEB	412,584	1.483,143	205,772	2,031	2.103,530
MAR	671,611	2.070,201	337,682	2,034	3.081,528
APR	176,127	827,202	228,322	1,916	1.233,567
MAY	222,826	1.184,083	312,270	2,209	1.721,388
JUN	468,099	1.627,528	379,159	2,338	2.477,124
JUL	739,377	2.249,903	447,562	2,396	3.439,238
AUG	794,904	2.141,674	429,492	2,452	3.368,522
SEP	394,231	1.249,569	269,580	2,357	1.915,737
OCT	277,407	793,115	207,132	2,491	1.280,145
NOV	312,781	1.200,292	211,790	2,155	1.727,018
DEC	606,588	1.554,965	293,816	2,287	2.457,656
	5.585,624	17.948,609	4.005,248	26,868	27.566,349

2022

MONTH	WIND	PHOTOVOLTAIC	SMALL HYDRO	CO-GENERATION	TOTAL SYSTEM RES GENERATION
JAN	867,62	15,38	13,96	90,02	986,99
FEB	772,18	16,53	11,67	74,45	874,82
MAR	893,40	24,16	11,12	87,84	1.016,52
APR	777,32	35,39	15,22	74,12	902,05
MAY	535,53	58,51	12,14	81,59	687,77
JUN	704,37	73,22	11,17	92,18	880,93
JUL	964,10	89,47	10,55	107,69	1.171,81
AUG	683,92	77,03	7,11	88,76	856,81
SEP	629,26	75,68	6,92	76,71	788,58
OCT	997,11	66,55	5,30	79,25	1.148,21
NOV	948,86	38,73	7,47	83,32	1.078,39
DEC	730,42	35,81	12,59	119,58	898,40
	9.504,09	606,45	125,22	1.055,52	11.291,28



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2.4 Analysis of Conventional Generation per Producer (GWh/%)

PRODUCER	NET GENERATION (GWh)	NET GENERATION (%)	NET CAPACITY (MW)	NET CAPACITY (%)
PPC	1.685,95	66,03%	8.674,86	71,92%
ELPEDISON	295,47	11,57%	810,18	6,72%
KOR_POWER	223,93	8,77%	433,46	3,59%
HERON2_V	185,79	7,28%	422,14	3,50%
MYTILINEOS	162,05	6,35%	1.572,70	13,04%
HERON	0,06	0,00%	147,76	1,23%
TOTAL	2.553,25	100,00%	12.061,11	100,00%

2.5 Evolution of Conventional Generation per Producer (GWh)

PRODUCER	2022-01	2022-02	2022-03	2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	TOTAL
PPC	1.797,9	1.167,4	1.861,7	801,0	1.035,1	1.577,7	2.338,2	2.219,2	1.239,2	878,6	1.059,6	1.685,9	17.661,5
ELPEDISON	257,0	278,9	350,4	220,7	160,2	282,4	357,0	373,7	160,9	126,7	311,4	295,5	3.174,7
MYTILINEOS	293,3	240,2	310,2	124,9	198,7	318,9	380,0	373,0	183,7	101,5	100,5	162,0	2.786,8
HERON 2 VIOTIAS	132,5	146,4	247,8	106,4	161,8	172,0	230,4	243,2	206,8	134,9	159,4	185,8	2.127,3
KORINTHOS POWER	177,3	167,0	186,1	41,1	170,4	199,8	229,2	240,2	194,9	105,8	164,2	223,9	2.099,8
LIG. MEGALOPOLIS	86,2	105,7	122,1	0,0	33,3	4,0							351,2
LIG. MELITIS	94,8	61,6	70,4	0,0	28,9	0,0							255,8
HERON	0,4	0,1	3,7	0,0	0,0	0,1	0,6	0,1	0,1	1,2	0,2	0,1	6,6
TOTAL	2.839,3	2.167,3	3.152,4	1.294,0	1.788,3	2.555,0	3.535,3	3.449,4	1.985,5	1.348,7	1.795,2	2.553,3	28.463,8

2.6 Net Generation - Net Capacity of Conventional Production Units in the System

PRODUCTION UNIT	PRODUCER	FUEL/TECHNOLOGY	NET CAPACITY (MW)	NET GENERATION (GWh)	UTILISATION COEFFICIENT (%)
AGIOS DIMITRIOS1	PPC	LIGNITE	274,00	0,00	0,00%
AGIOS DIMITRIOS2	PPC	LIGNITE	274,00	26,56	13,03%
AGIOS DIMITRIOS3	PPC	LIGNITE	283,00	105,62	50,16%
AGIOS DIMITRIOS4	PPC	LIGNITE	283,00	49,78	23,64%
AGIOS DIMITRIOS5	PPC	LIGNITE	342,00	178,05	69,97%
MEGALOPOLI3	PPC	LIGNITE	255,00	0,00	0,00%
MEGALOPOLI4	PPC	LIGNITE	256,00	63,53	33,36%
MELITI	PPC	LIGNITE	289,00	57,66	26,82%
PROLEMAIDA5	PPC	LIGNITE	616,00	125,40	27,36%
AGRAS	PPC	HYDRO	50,00	2,76	7,42%
AOOS	PPC	HYDRO	210,00	11,72	7,50%
ASOMATA	PPC	HYDRO	108,00	7,15	8,89%
EDESSAIOS	PPC	HYDRO	19,00	2,37	16,73%
ILARIONAS	PPC	HYDRO	153,00	22,36	19,64%
KASTRAKI	PPC	HYDRO	320,00	35,77	15,02%
KREMASTA	PPC	HYDRO	437,20	51,12	15,72%
LADONAS	PPC	HYDRO	70,00	12,80	24,58%
PLASTIRAS	PPC	HYDRO	129,90	2,53	2,62%
PLATANOVRYSI	PPC	HYDRO	116,00	10,71	12,42%
POLYFYTO	PPC	HYDRO	375,00	21,51	7,71%
POURNARI1	PPC	HYDRO	300,00	49,60	22,22%
POURNARI2	PPC	HYDRO	33,60	6,13	24,51%
SFIKIA	PPC	HYDRO	315,00	19,46	8,30%
STRATOS1	PPC	HYDRO	150,00	17,40	15,59%
THESAVROS	PPC	HYDRO	384,00	20,45	7,16%
AGIOS NIKOLAOS2	MYTILINEOS	NATURAL GAS	806,00	22,21	3,70%
ALIVERI5	PPC	NATURAL GAS	417,00	180,68	58,24%
ALOUMINIO	MYTILINEOS	NATURAL GAS	334,00	139,84	56,27%
ELPEDISON THESS	ELPEDISON	NATURAL GAS	400,18	153,31	51,49%
ELPEDISON THISVI	ELPEDISON	NATURAL GAS	410,00	142,16	46,60%
HERON CC	HERON2_V	NATURAL GAS	422,14	185,79	59,15%
KOMOTINI	PPC	NATURAL GAS	476,30	130,21	36,74%
KORINTHOS POWER	KOR_POWER	NATURAL GAS	433,46	223,93	69,44%
LAVRIO4	PPC	NATURAL GAS	550,20	128,37	31,36%
LAVRIO5	PPC	NATURAL GAS	377,66	66,66	23,73%
MEGALOPOLI5	PPC	NATURAL GAS	811,00	279,62	46,34%
PROTERGIA CC	MYTILINEOS	NATURAL GAS	432,70	0,00	0,00%
HERON1	HERON	NATURAL GAS	49,25	0,03	0,07%
HERON2	HERON	NATURAL GAS	49,25	0,02	0,04%
HERON3	HERON	NATURAL GAS	49,25	0,02	0,06%
TOTAL			12.061,11	2.553,25	28,45%

Notes

- Generation refers to the injection point in the System.
- Generation by dispatchable co-generation units that has not been characterised as high efficiency Co-Generation is the total generation (conventional and Co-Generation).
- Utilisation coefficient is the ratio of the monthly electricity generation to the maximum possible electricity generation during this period.
- The generation units Agios Nikolaos2 and Ptolemaida5 are in trial phase. Their Net Capacity shall be precisely determined following the completion of the trial phase.

2.7 Geographical Distribution of Conventional Generation

FUEL AREA	HYDRO		LIGNITE		NATURAL GAS		TOTAL	
	NET GENERATION (GWh)	NET CAPACITY (MW)	NET GENERATION (GWh)	NET CAPACITY (MW)	NET GENERATION (GWh)	NET CAPACITY (MW)	NET GENERATION (GWh)	NET CAPACITY (MW)
ATTICA					195,04	928	195,04	928
CENTRAL GREECE	104,29	907			490,06	2.553	594,35	3.460
CENTRAL MACEDONIA	53,24	867			153,31	400	206,55	1.267
EAST MACEDONIA - THRACE	31,16	500			130,21	476	161,37	976
EPIRUS	67,44	544					67,44	544
EVIA					180,68	417	180,68	417
PELOPONNESE	12,80	70	63,53	511	503,55	1.244	579,88	1.825
THESSALY	2,53	130					2,53	130
WEST MACEDONIA	22,36	153	543,06	2.361			565,42	2.514
TOTAL	293,82	3.171	606,59	2.872	1.652,85	6.018	2.553,25	12.061

Notes

- Generation refers to the injection point in the System.
- Generation by dispatchable co-generation units that has not been characterised as high efficiency Co-Generation. is the total generation (conventional and Co-Generation).

2.8 Geographical Distribution of System RES Generation

RES TECHNOLOGY AREA	CO-GENERATION		PHOTOVOLTAIC		SMALL HYDRO		WIND		TOTAL	
	NET GENERATION (GWh)	NET CAPACITY (MW)								
ATTICA							29,57	148	29,57	148
CENTRAL GREECE	97,89	133	8,82	115	9,03	20	225,91	1.363	341,64	1.630
CENTRAL MACEDONIA	9,04	16	1,48	29	1,30	11	25,79	127	37,61	182
CYCLADES							3,62	15	3,62	15
EAST MACEDONIA - THRACE	12,66	18					102,11	518	114,77	535
EPIRUS							19,16	104	19,16	104
EVIA							151,05	687	151,05	687
IONIAN ISLANDS							18,81	93	18,81	93
PELOPONNESE		3,71	47				111,45	705	115,15	751
THESSALY		2,62	58	2,26	6				4,88	64
WEST MACEDONIA		19,18	274				42,95	254	62,14	529
TOTAL	119,58	167	35,81	522	12,59	37	730,42	4.014	898,40	4.739

Notes

- It includes the priority capacity of the co-generation production unit of Alouminio based on the Dispatchable RES Units Registry of the RES Operator & Guarantees of Origin (DAPEEP S.A.) and 70% of its total generation, pending relevant calculations by DAPEEP S.A.
- It includes the net capacity and net generation at the points of injection into the System from telemetered RES stations directly connected to System's substations.
- In the geographical distribution, net capacity and net generation are included in the area where the connection point of the RES station to the System is located.



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3.1 Evolution of Commercial Programs (GWh)

2021

MONTH	EXPORTS (GWh)	IMPORTS (GWh)	BALANCE (GWh)
JAN	603,121	500,909	-102,212
FEB	361,974	799,830	437,856
MAR	333,074	863,418	530,344
APR	433,611	628,443	194,832
MAY	270,759	722,757	451,998
JUN	107,078	747,669	640,591
JUL	108,866	858,307	749,441
AUG	200,692	791,192	590,500
SEP	573,718	682,957	109,239
OCT	655,357	538,387	-116,970
NOV	413,115	758,753	345,638
DEC	692,690	516,846	-175,844
TOTAL	4,754,055	8,409,468	3,655,413

2022

MONTH	EXPORTS (GWh)	IMPORTS (GWh)	BALANCE (GWh)
JAN	400,744	990,513	589,769
FEB	269,469	947,492	678,023
MAR	612,120	543,888	-68,232
APR	190,996	1,010,597	819,601
MAY	214,245	888,629	674,384
JUN	391,646	556,808	165,162
JUL	879,519	373,762	-505,757
AUG	688,884	300,186	-388,698
SEP	365,574	815,584	450,010
OCT	389,184	887,420	498,236
NOV	469,318	839,716	370,398
DEC	602,715	872,335	269,620
TOTAL	5,474,414	9,026,930	3,552,516

3.2 Evolution of Physical Energy Flows (GWh)

2021

MONTH	EXPORTS (GWh)	IMPORTS (GWh)	BALANCE (GWh)
JAN	427,568	348,052	-79,516
FEB	229,332	660,764	431,432
MAR	237,730	775,981	538,251
APR	342,065	532,735	190,670
MAY	175,949	634,568	458,618
JUN	38,741	687,232	648,491
JUL	78,177	829,893	751,716
AUG	148,522	739,258	590,735
SEP	547,523	656,978	109,456
OCT	644,564	530,967	-113,597
NOV	356,218	698,259	342,041
DEC	671,301	486,369	-184,932
TOTAL	3,897,691	7,581,057	3,683,366

2022

MONTH	EXPORTS (GWh)	IMPORTS (GWh)	BALANCE (GWh)
JAN	254,203	841,095	586,892
FEB	183,817	847,909	664,091
MAR	569,589	491,477	-78,112
APR	132,667	925,971	793,304
MAY	175,224	834,672	659,447
JUN	350,938	509,147	158,209
JUL	841,402	331,219	-510,183
AUG	635,908	274,693	-361,214
SEP	283,579	729,737	446,158
OCT	218,593	694,197	475,604
NOV	273,883	631,921	358,038
DEC	383,564	638,953	255,389
TOTAL	4,303,367	7,750,991	3,447,624



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3.3 Commercial Programs of Imports per Border (GWh)

2021	INTERCONNECTION	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
	ALBANIA	112,140	230,971	179,442	152,758	234,191	134,640	155,153	120,287	69,445	47,248	97,234	61,083	1.594,592
	BULGARIA	212,773	319,032	366,026	274,673	260,930	359,917	374,687	368,412	379,675	227,381	268,104	245,977	3.657,587
	ITALY	68,338	56,556	57,244	43,346	25,433	0,000	3,828	0,000	10,540	104,140	183,533	74,013	626,971
	N. MACEDONIA	71,447	161,798	203,682	104,957	165,335	199,162	257,490	260,543	151,297	113,918	155,938	98,523	1.944,090
	TURKEY	36,211	31,473	57,024	52,709	36,868	53,950	67,149	41,950	72,000	45,700	53,944	37,250	586,228
	TOTAL	500,909	799,830	863,418	628,443	722,757	747,669	858,307	791,192	682,957	538,387	758,753	516,846	8.409,468

2022	INTERCONNECTION	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
	ALBANIA	147,490	163,144	60,643	228,934	194,236	74,000	26,647	10,632	126,065	191,501	171,810	201,407	1.596,509
	BULGARIA	374,953	337,030	264,373	360,108	290,351	293,137	177,270	144,613	313,673	252,121	248,524	295,017	3.351,170
	ITALY	210,696	197,158	86,204	163,501	102,648	12,128	16,427	4,579	119,173	205,583	163,425	167,558	1.449,080
	N. MACEDONIA	220,180	216,560	95,520	228,066	264,194	141,547	116,238	103,183	226,724	203,987	222,713	172,637	2.211,549
	TURKEY	37,194	33,600	37,148	29,988	37,200	35,996	37,180	37,179	29,949	34,228	33,244	35,716	418,622
	TOTAL	990,513	947,492	543,888	1.010,597	888,629	556,808	373,762	300,186	815,584	887,420	839,716	872,335	9.026,930

3.4 Commercial Programs of Exports per Border (GWh)

2021	INTERCONNECTION	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
	ALBANIA	53,907	7,997	14,875	42,918	17,412	41,958	63,178	141,345	200,783	194,616	145,837	152,215	1.077,041
	BULGARIA	130,437	68,615	40,242	68,113	19,322	15,242	2,302	3,676	4,214	71,837	39,805	98,856	562,661
	ITALY	258,873	186,937	208,940	216,979	152,052	0,000	0,110	0,000	286,321	245,512	133,409	284,846	1.973,979
	N. MACEDONIA	148,015	85,042	66,893	104,511	75,519	49,873	43,276	55,671	82,400	143,392	93,979	155,958	1.104,529
	TURKEY	11,889	13,383	2,124	1,090	6,454	0,005	0,000	0,000	0,000	0,000	0,085	0,815	35,845
	TOTAL	603,121	361,974	333,074	433,611	270,759	107,078	108,866	200,692	573,718	655,357	413,115	692,690	4.754,055

2022	INTERCONNECTION	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
	ALBANIA	134,757	94,445	171,319	14,096	24,992	153,110	253,443	231,197	111,455	61,192	84,019	52,845	1.386,870
	BULGARIA	27,739	18,184	49,339	4,476	12,095	24,192	90,280	106,816	40,785	59,353	84,320	190,247	707,826
	ITALY	115,453	106,567	267,077	150,359	155,526	102,163	351,200	169,480	162,610	163,037	170,573	237,480	2.151,525
	N. MACEDONIA	120,530	50,250	123,900	20,503	21,604	110,797	183,747	181,076	49,499	50,207	96,127	107,391	1.115,631
	TURKEY	2,265	0,023	0,485	1,562	0,028	1,384	0,849	0,315	1,225	55,395	34,279	14,752	112,562
	TOTAL	400,744	269,469	612,120	190,996	214,245	391,646	879,519	688,884	365,574	389,184	469,318	602,715	5.474,414



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Remarks

1

The data presented in this bulletin result from the corrective settlement carried out by IPTO in W+6 timing (where W is the reference week), which is based on certified measurements.

2

The generation of the co-generation production unit of Alouminio included in the present bulletin has been estimated as 70% of its total generation, pending relevant calculations by RES Operator & Guarantees of Origin (DAPEEP S.A.).

2nd Version

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