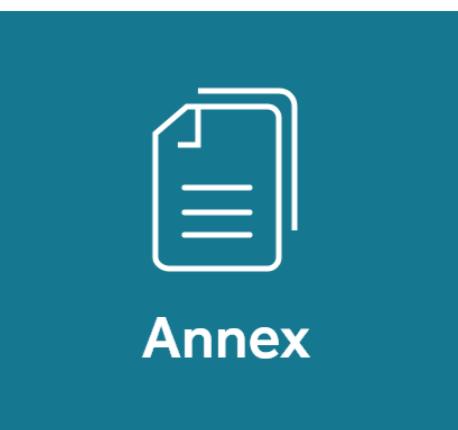
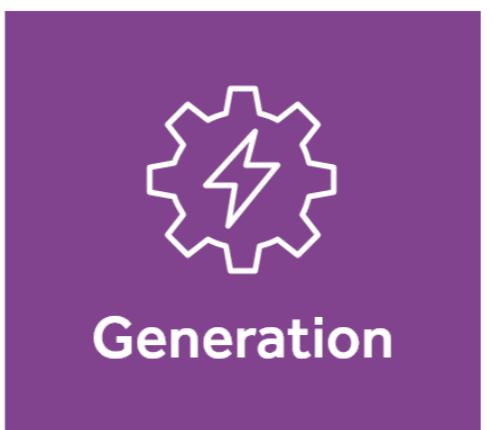
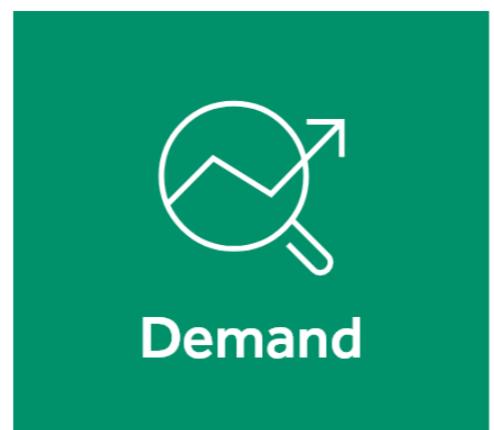
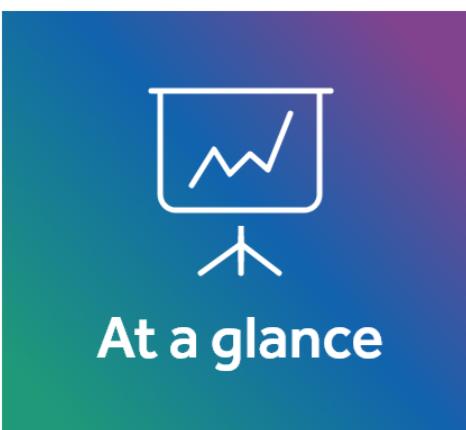


# MONTHLY ENERGY BULLETIN

October 2022 - 2nd Edition



01

02

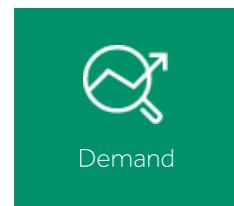
03

11

18

20

## The Month at a glance

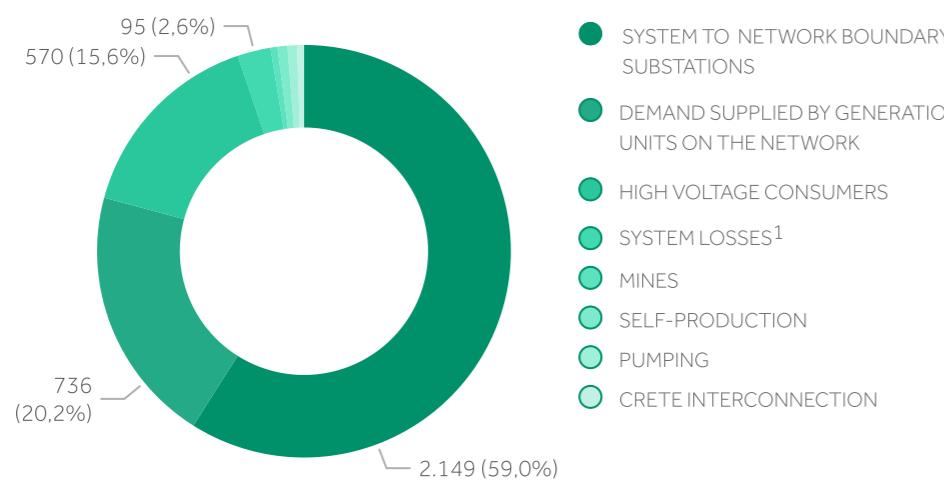


Total Demand  
**3.644 GWh**

↓ 8,46%

Variation in comparison  
to the same month of  
the previous year

### Estimation of total demand (GWh)

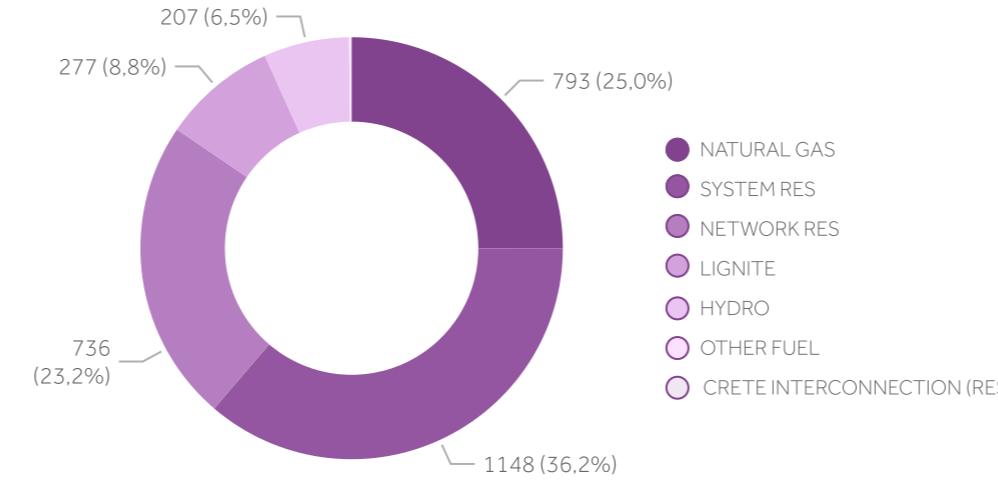


Total Generation  
**3.168 GWh**

↓ 22,62%

Variation in comparison  
to the same month of  
the previous year

### Estimation of total generation (GWh)



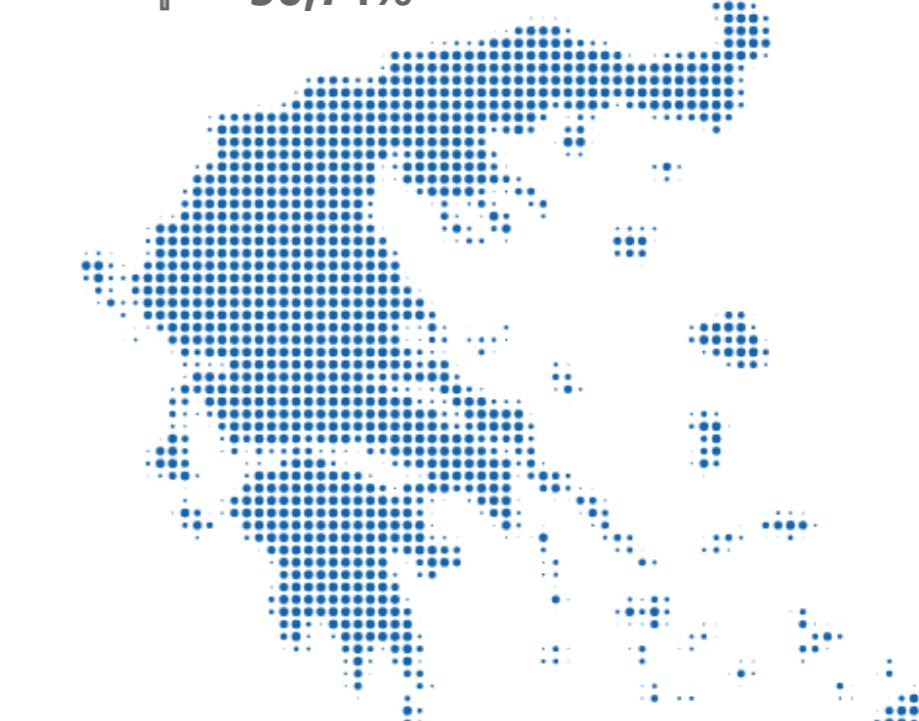
Interconnection Balance  
**476 GWh**

↑ 589 GWh

Variation in comparison  
to the same month of  
the previous year

### Imports

↓ 694 GWh  
↑ 30,74%

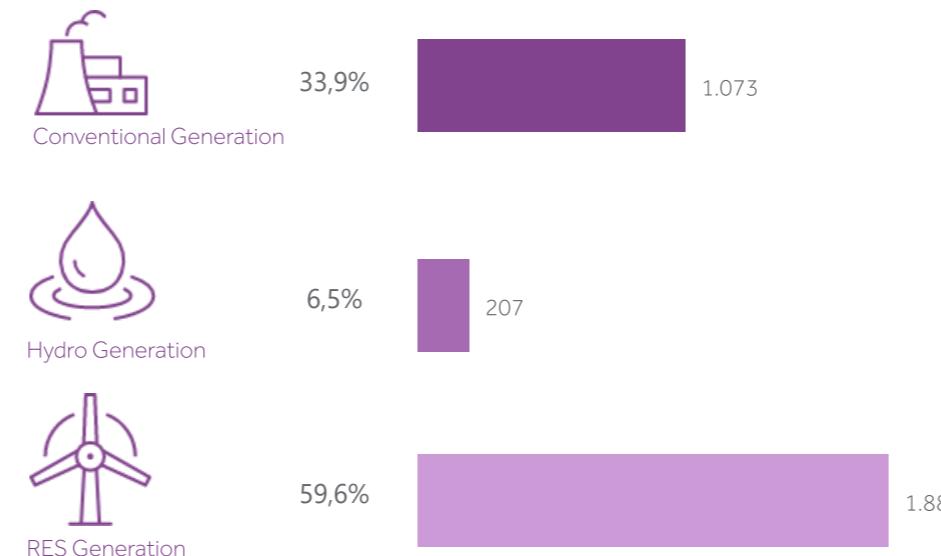


### Maximum total demand

↑ 01/10/2022 14:00  
**6.230 MW**

### Minimum total demand

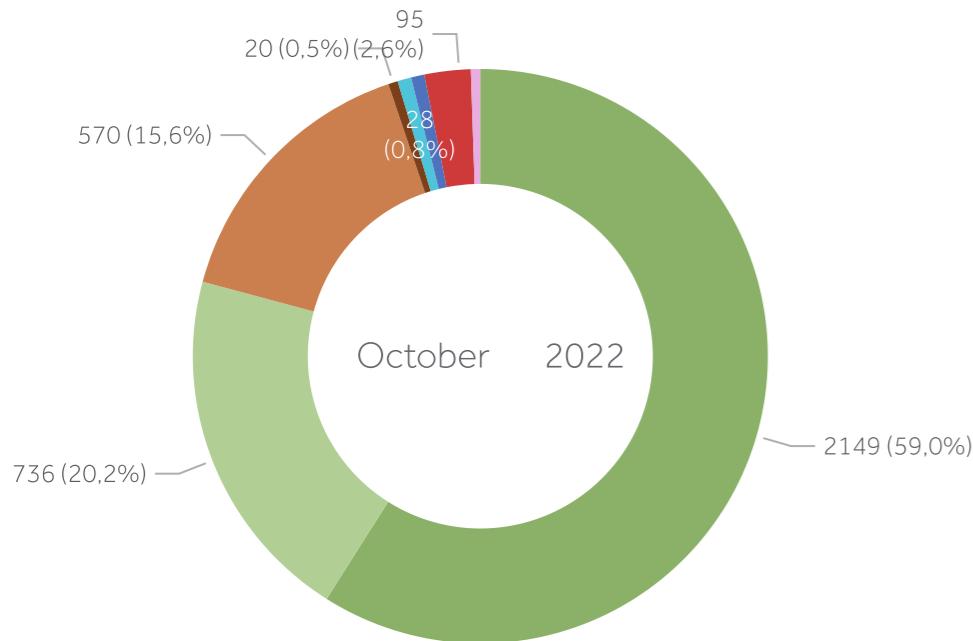
↓ 31/10/2022 4:00  
**3.532 MW**



<sup>1</sup> 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

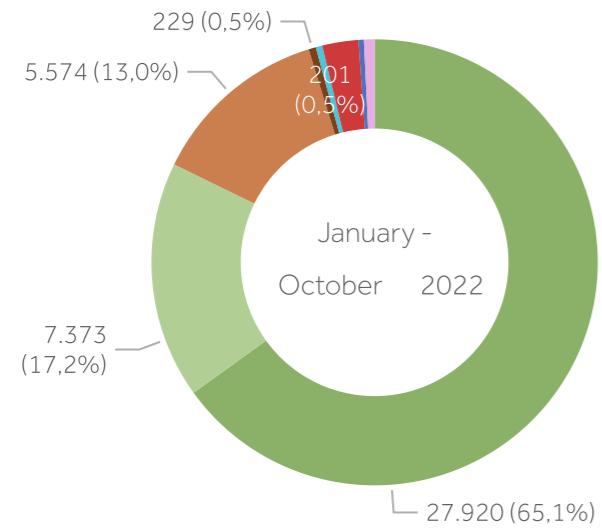
## ESTIMATION OF TOTAL DEMAND <sup>1</sup> & INTERCONNECTION BALANCE <sup>3</sup>



Energy Balance  
October 2022

**3.644** GWh

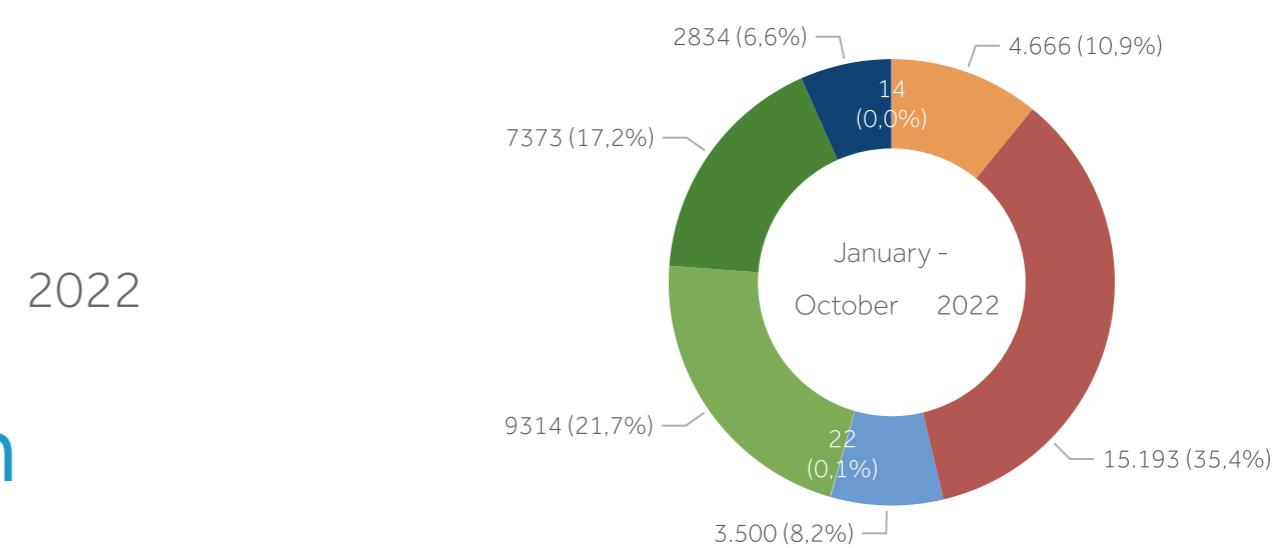
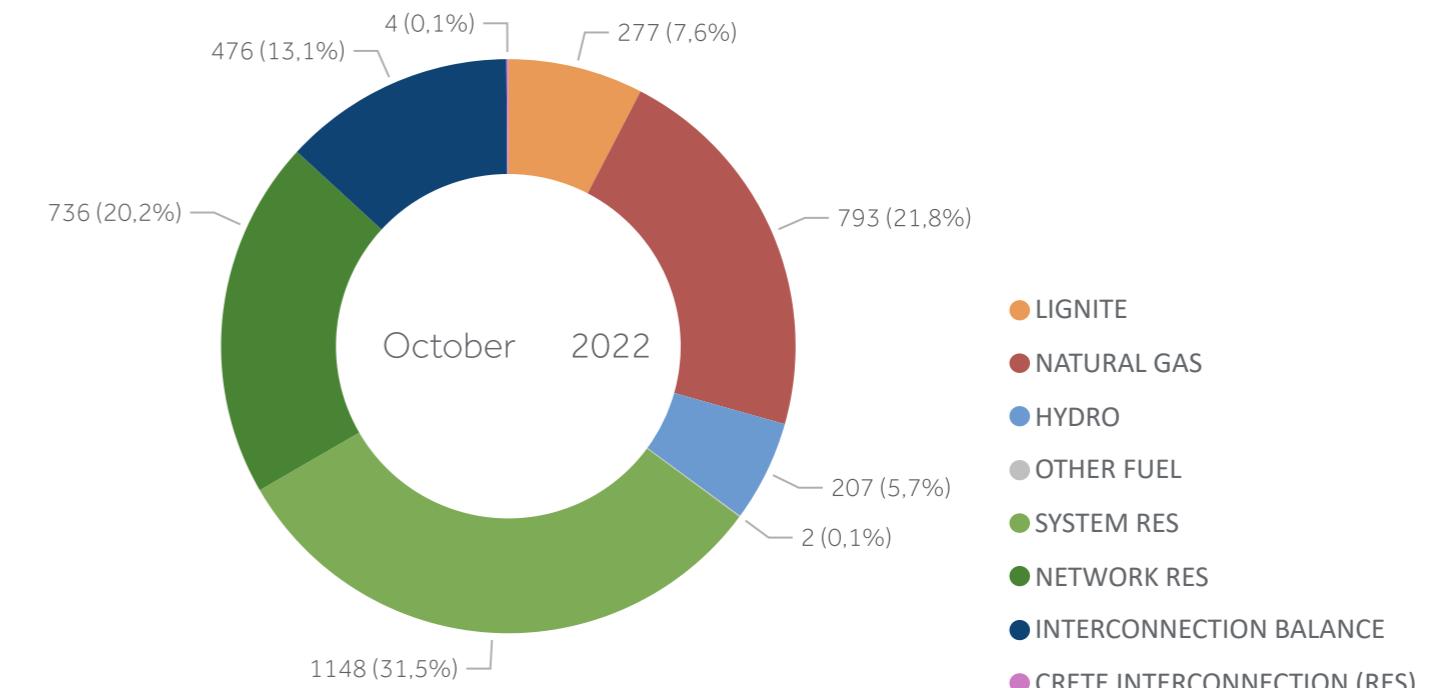
- SYSTEM TO NETWORK BOUNDARY SUBSTATIONS
- NETWORK DEMAND
- HIGH VOLTAGE CONSUMERS
- MINES
- SELF-PRODUCTION
- PUMPING
- SYSTEM LOSSES <sup>4</sup>
- INTERCONNECTION BALANCE
- CRETE INTERCONNECTION



Energy Balance  
January 2022 - October 2022

**42.918** GWh

## ESTIMATION OF TOTAL GENERATION <sup>2</sup> & INTERCONNECTION BALANCE <sup>3</sup>



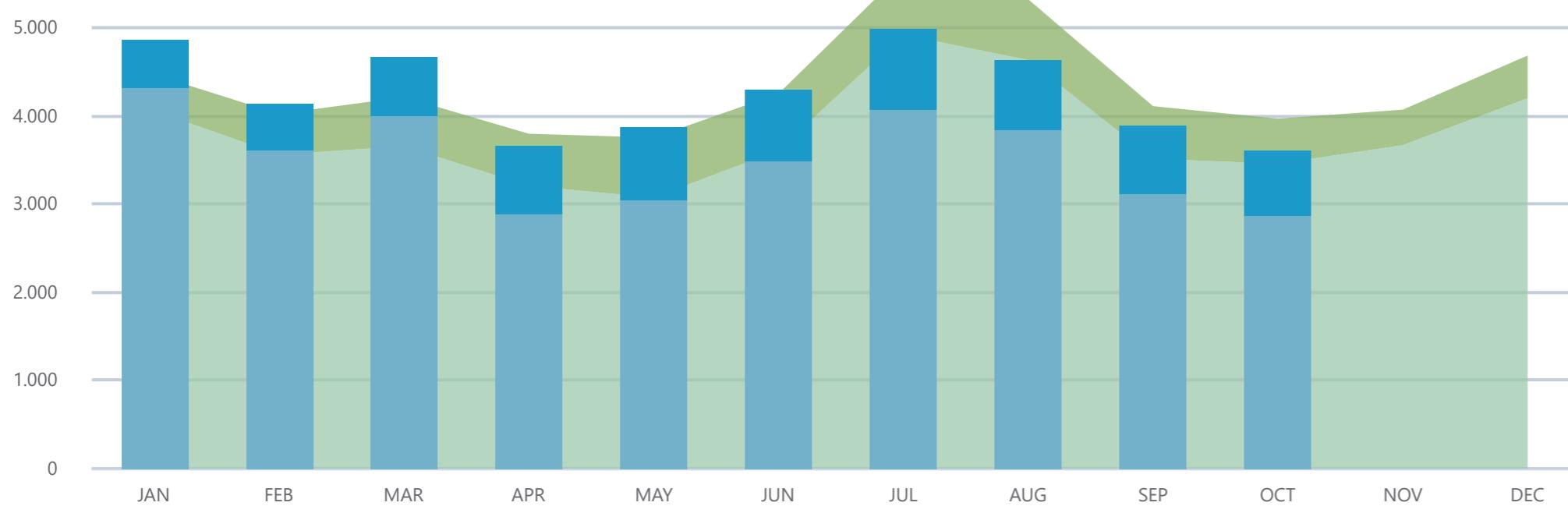
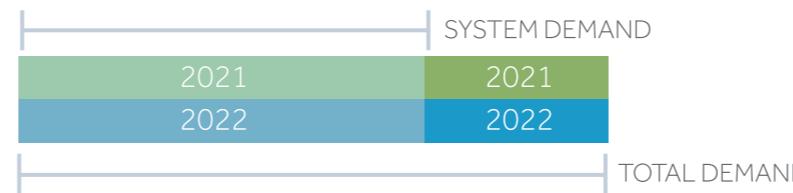
### Notes

- 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 <sup>2</sup>

**3.617** GWh

↓ 8,91%

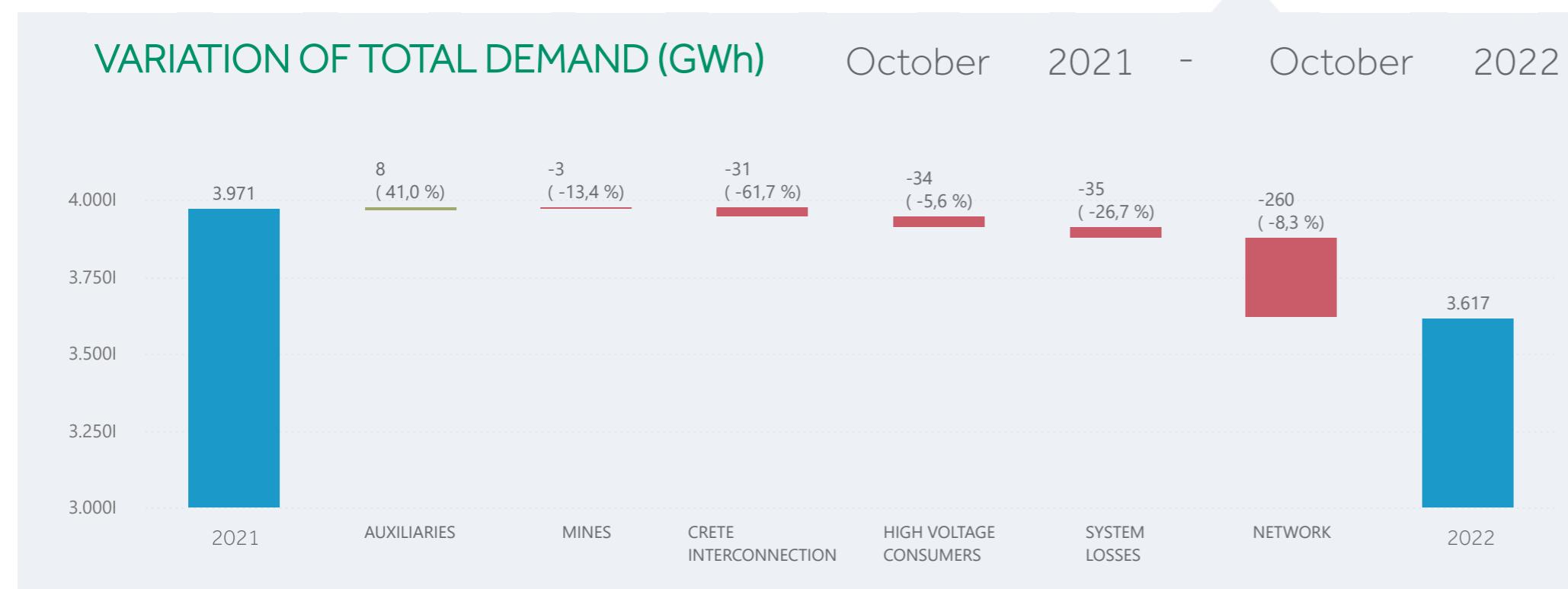
Variation in comparison to the same month of the previous year

System Demand <sup>1</sup>

**2.881** GWh

↓ 16,72%

Variation in comparison to the same month of the previous year



### Notes

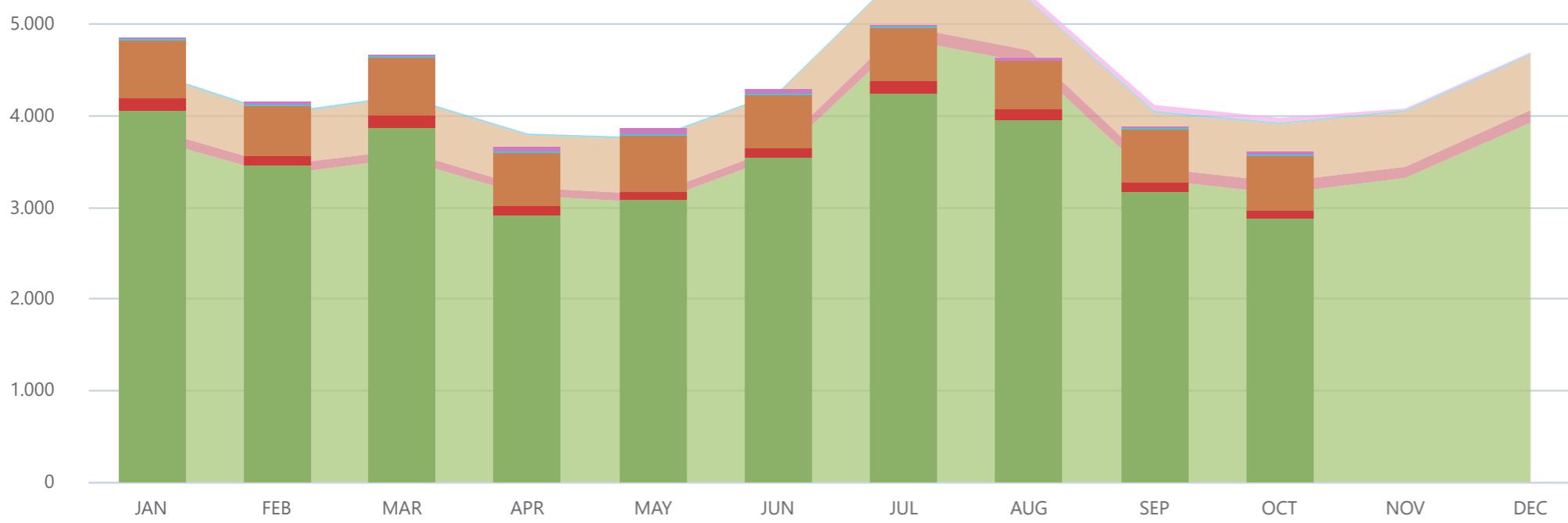
1 System Demand is defined as the generation produced by production units (conventional and RES) connected to the System, that is required to cover the System Load (excluding pumping). Demand supplied by units injecting into the Network is not included. More specifically, the estimation of System Demand 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

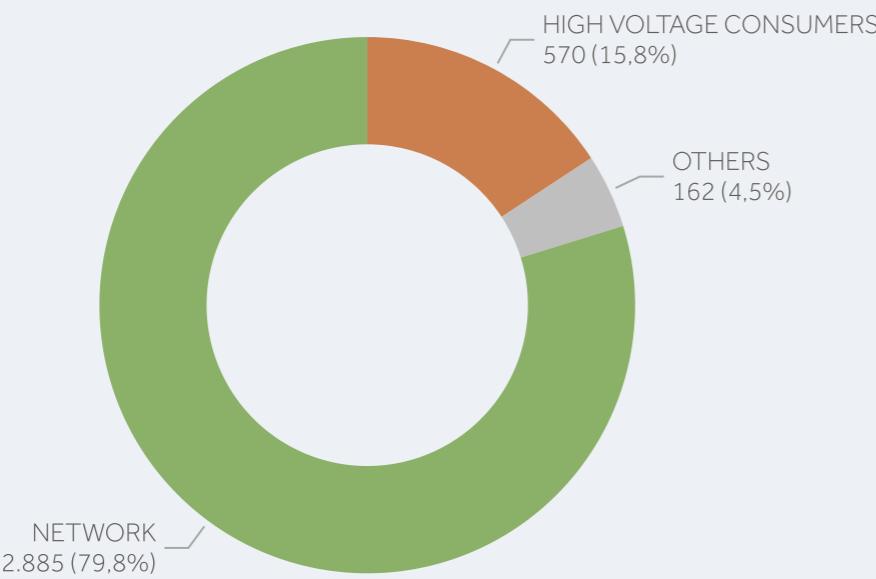
### NETWORK

2021 2022

### CRETE INTERCONNECTION

2021 2022

## ESTIMATION OF DEMAND PER CONSUMPTION CATEGORY (GWh)



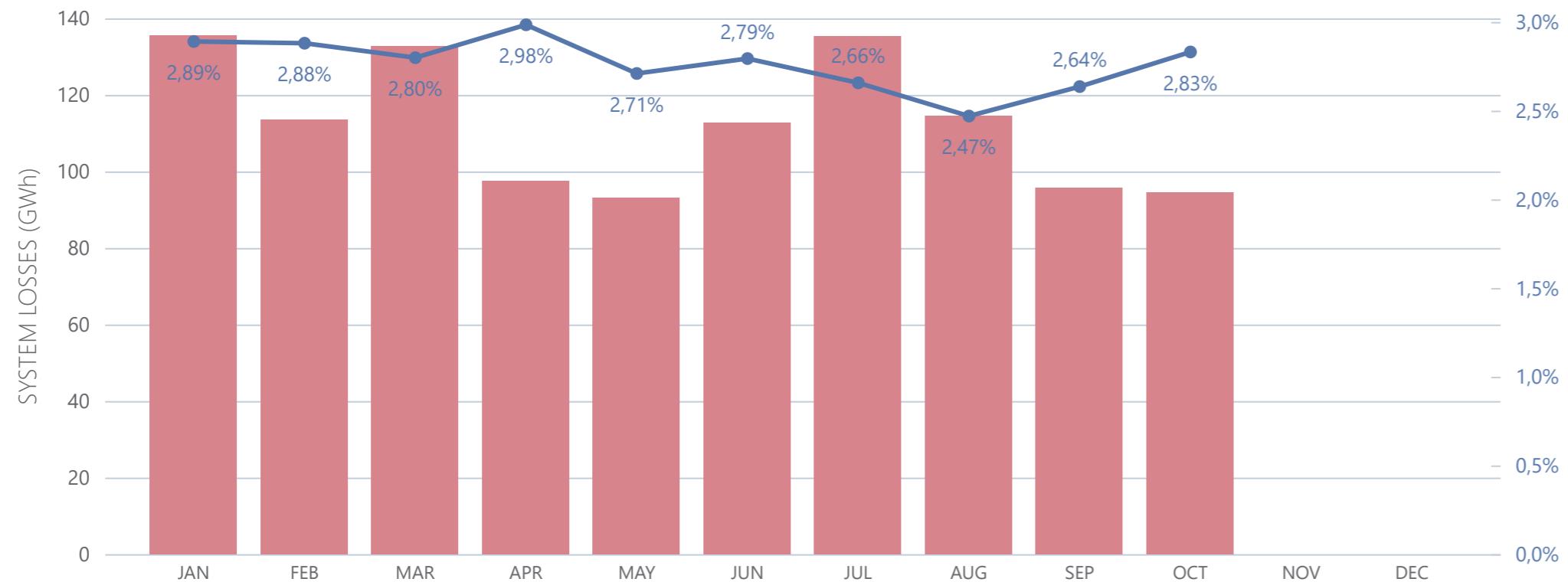
### Notes

- 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.

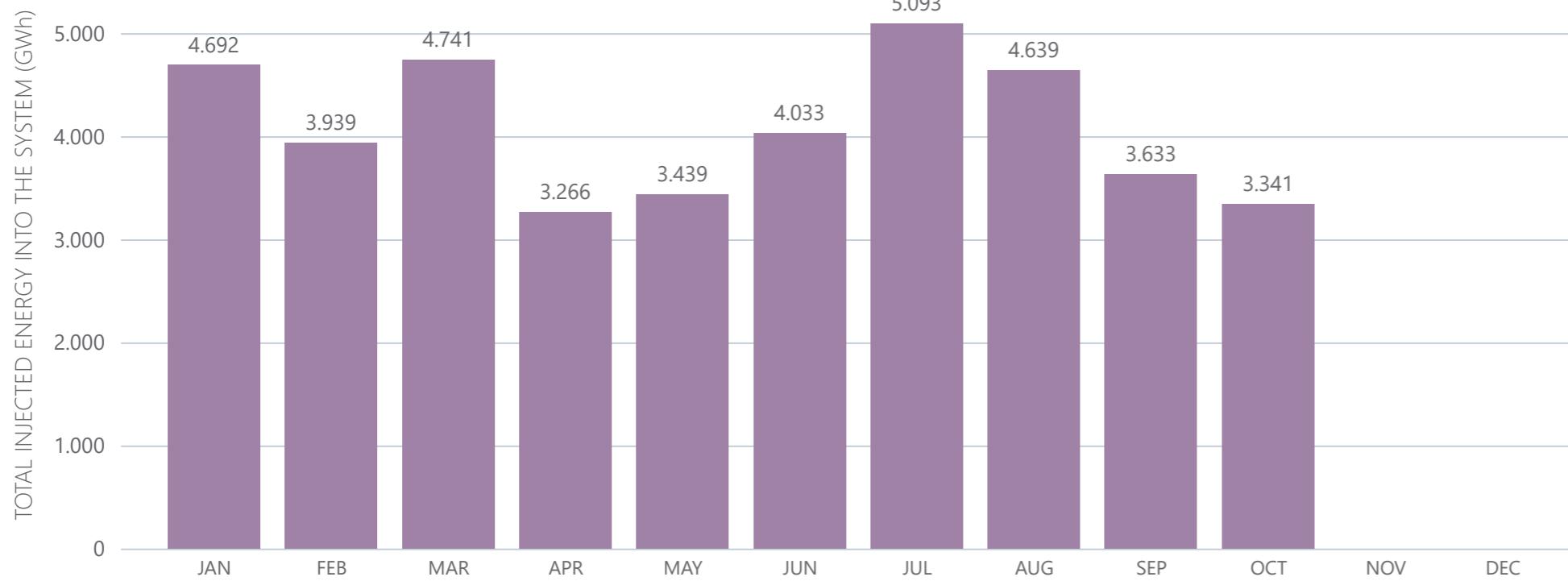
## Analysis of System Losses

### 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 (%)

October 2022

**2,83%**

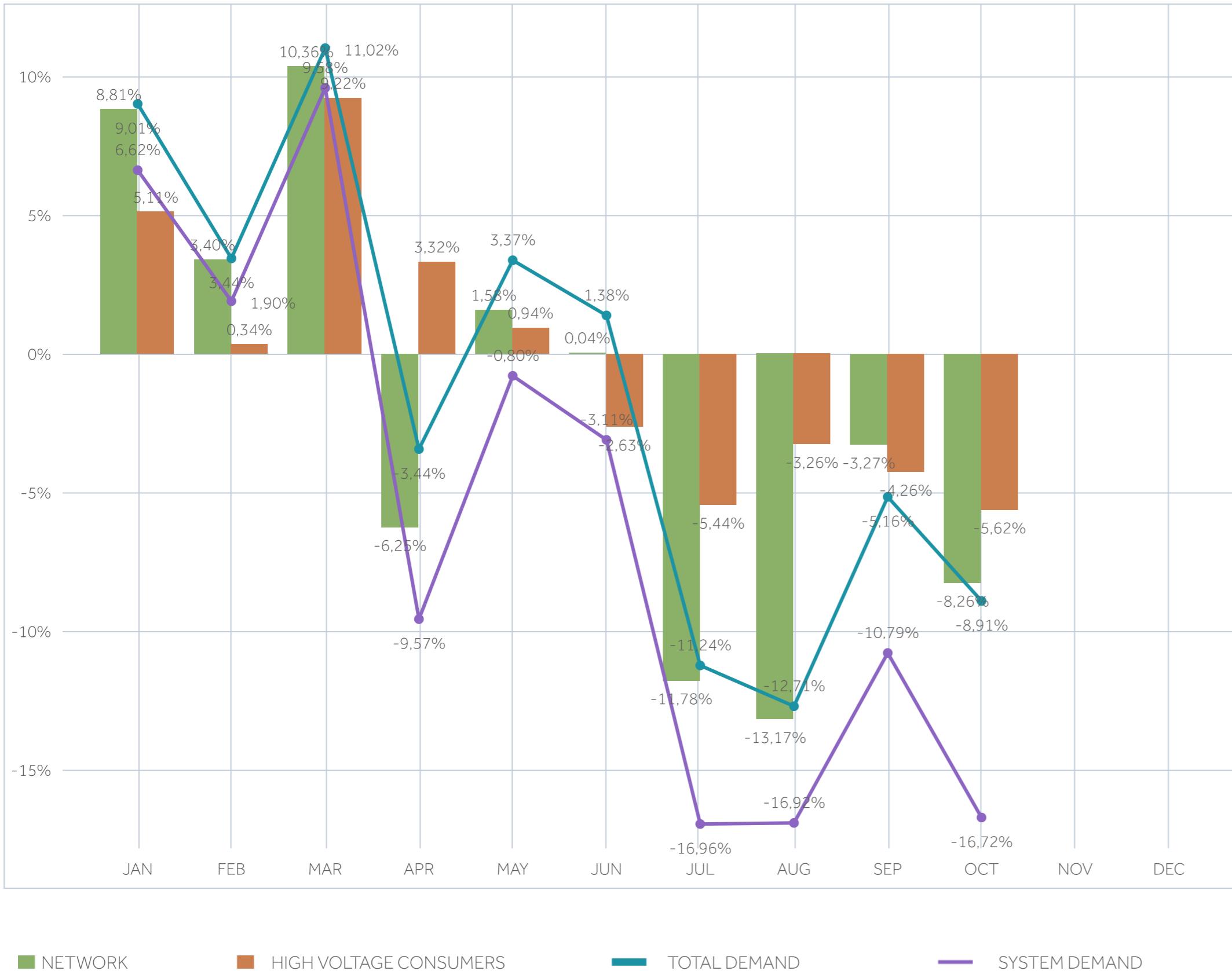
in relation to the  
Total Injected Energy  
into the System

#### 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.

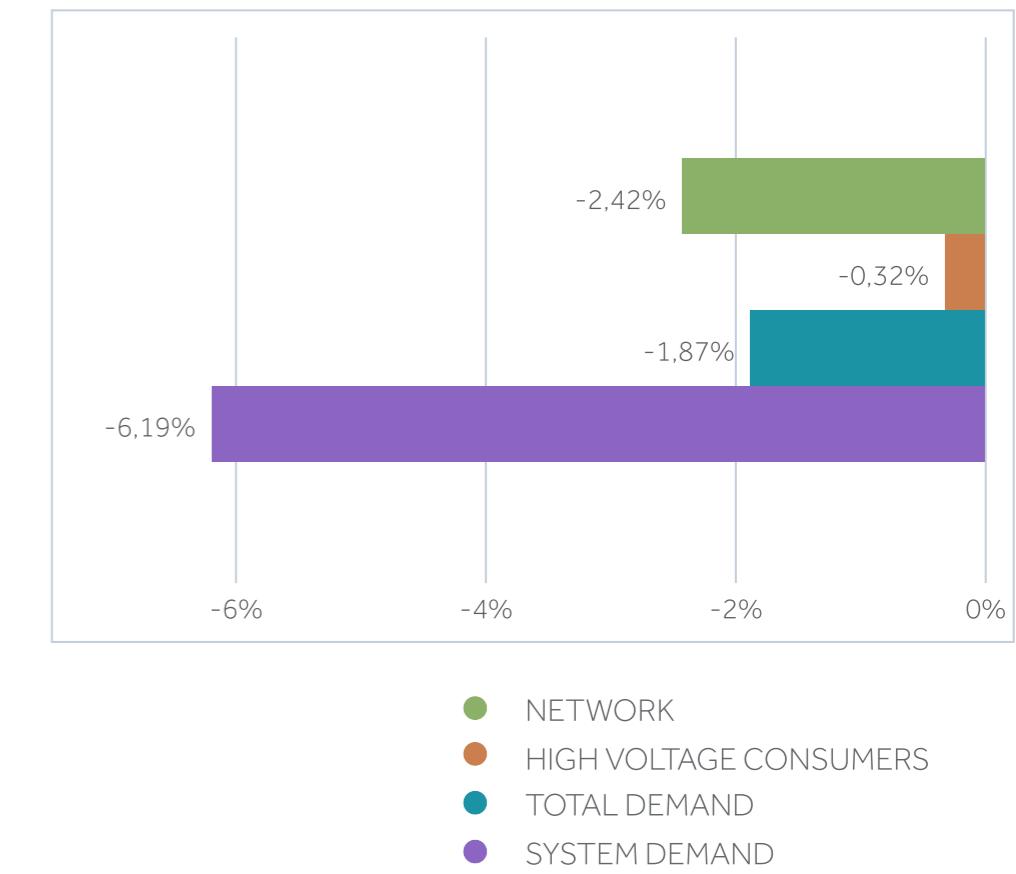
## Evolution of Demand in comparison to the previous year

### 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.

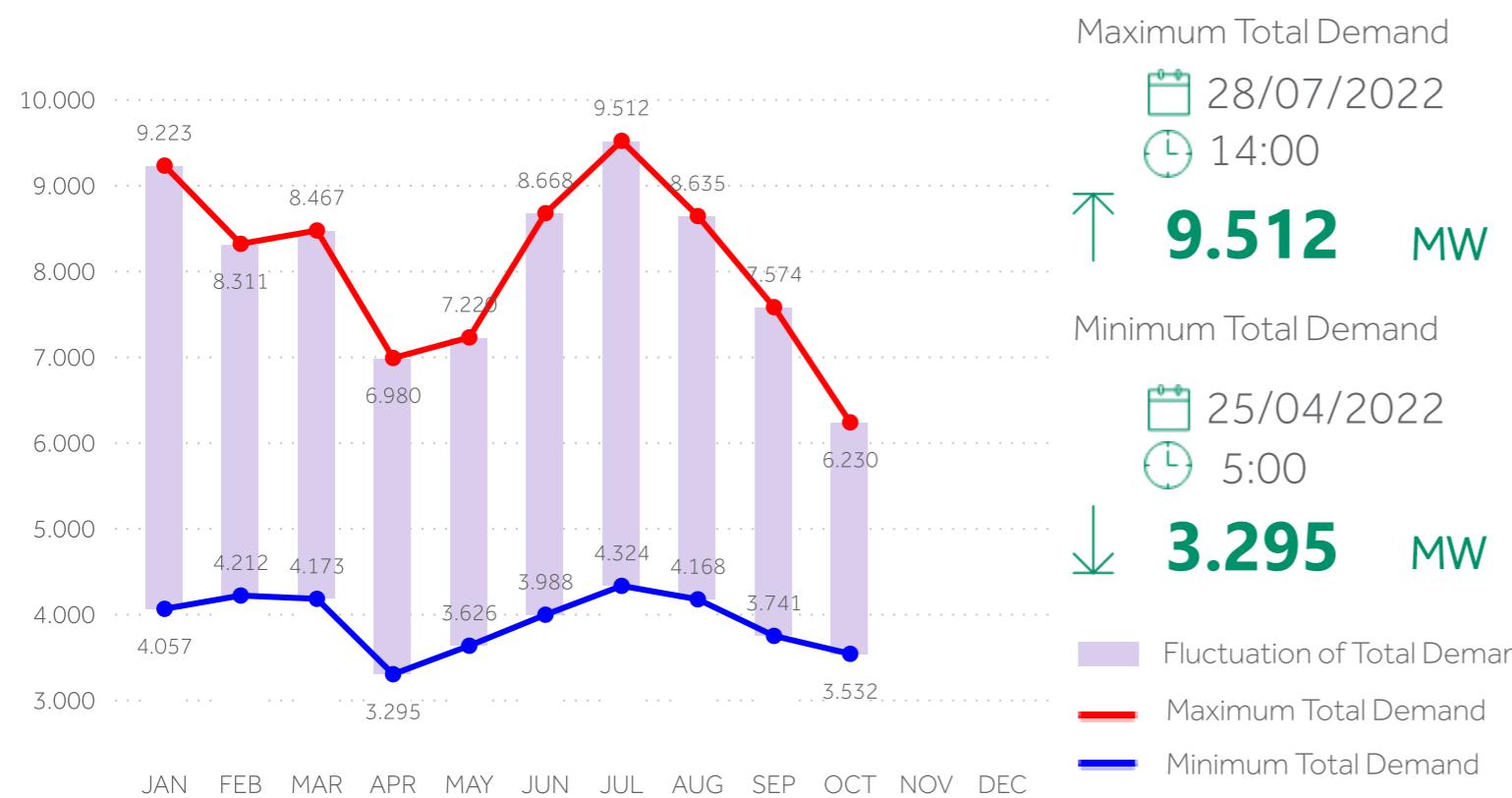
2 Demand does not include pumping.

## MAXIMUM & MINIMUM HOURLY TOTAL DEMAND (MW)

current year



Annex 1.2

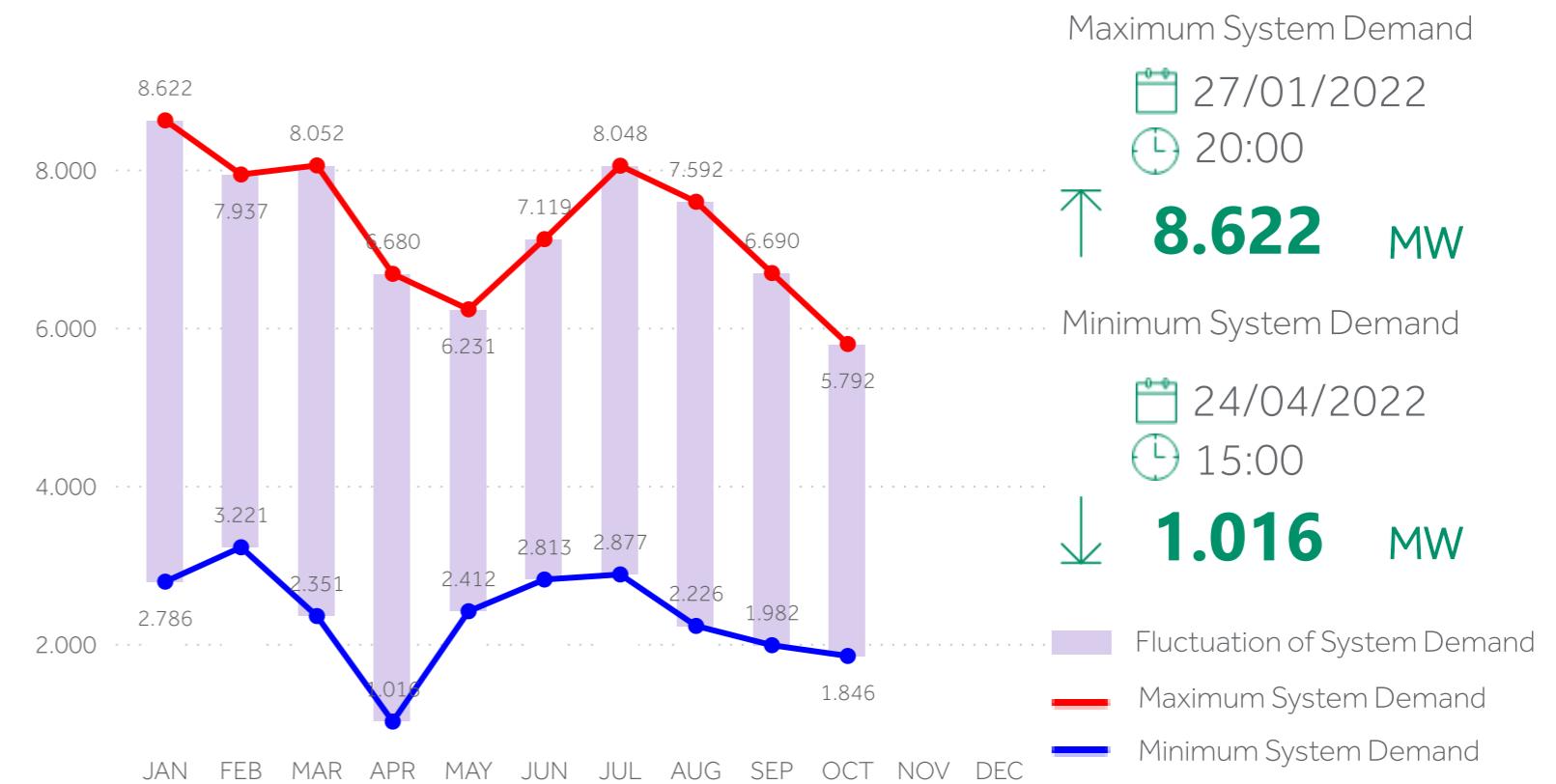


## MAXIMUM & MINIMUM HOURLY SYSTEM DEMAND (MW)

current year



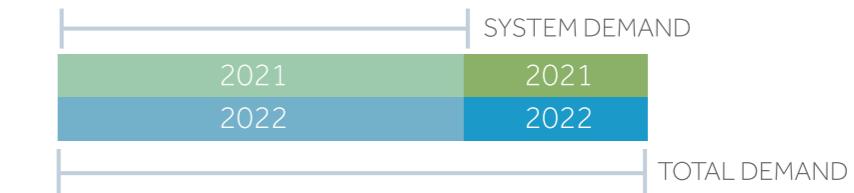
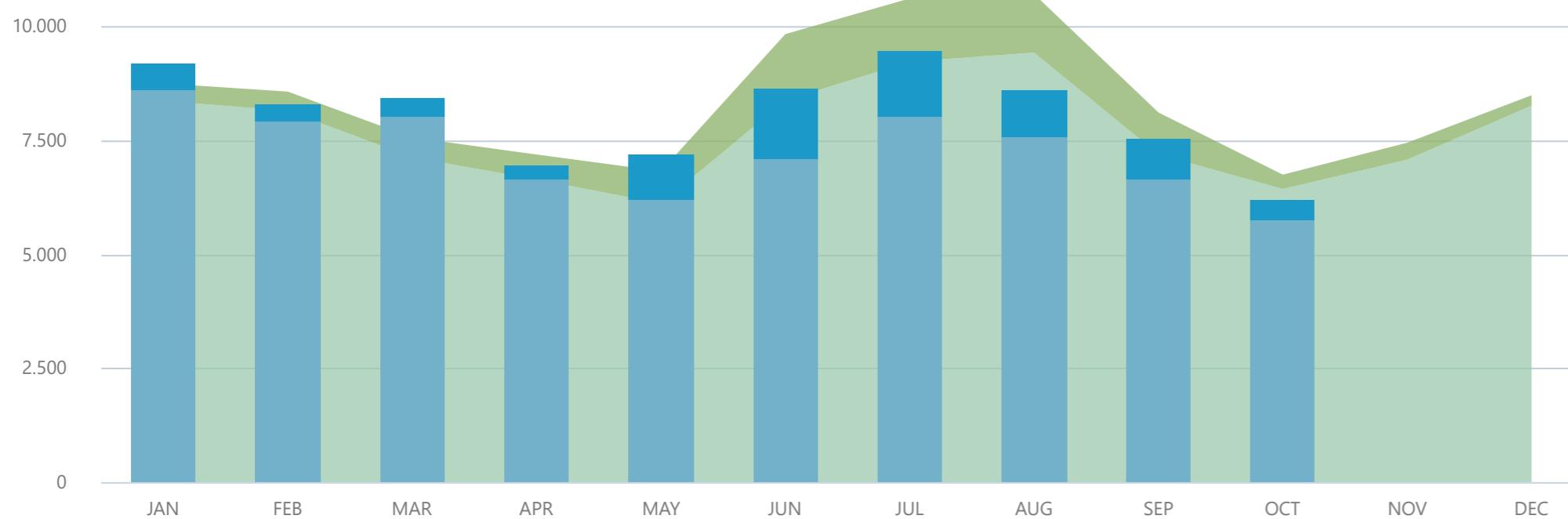
Annex 1.3



## MAXIMUM HOURLY TOTAL DEMAND & SYSTEM DEMAND (MW)



Annex 1.2 - 1.3

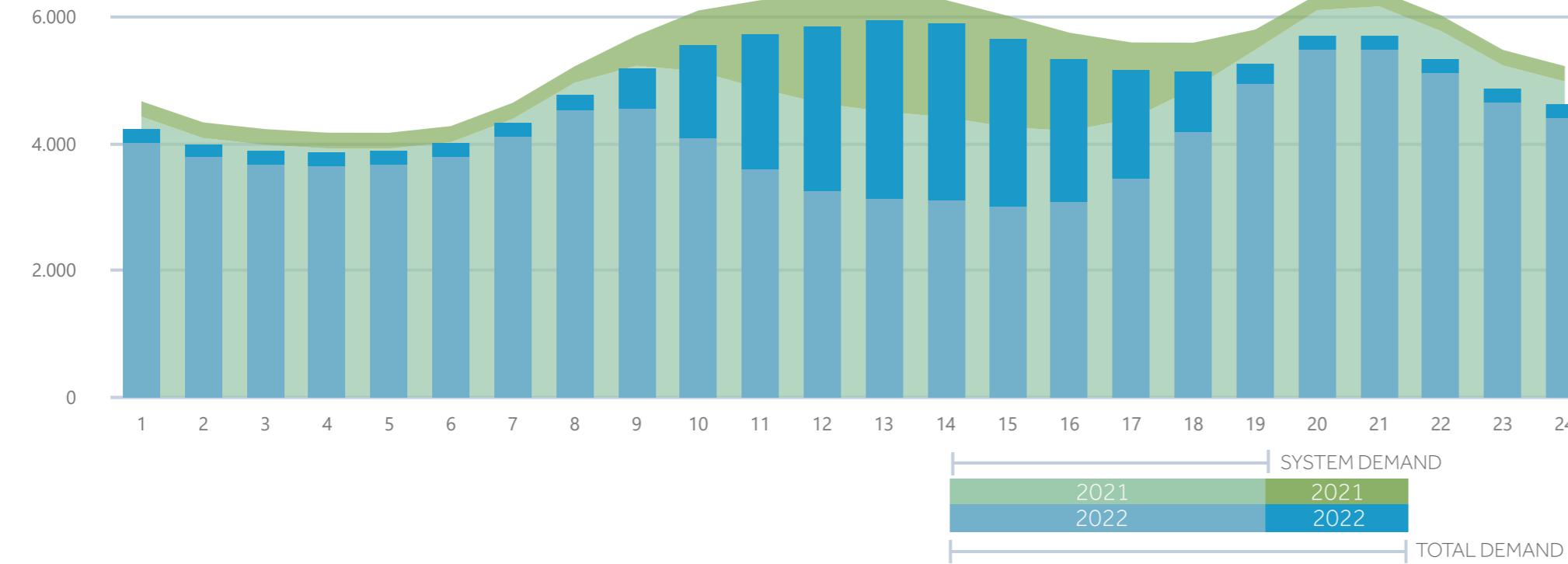


### Notes

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

## AVERAGE HOURLY TOTAL DEMAND &amp; SYSTEM DEMAND (MW)

During working days of month October current &amp; previous year



## MAXIMUM TOTAL DEMAND

01/10/2022

14:00

**6.230 MW**

## MINIMUM TOTAL DEMAND

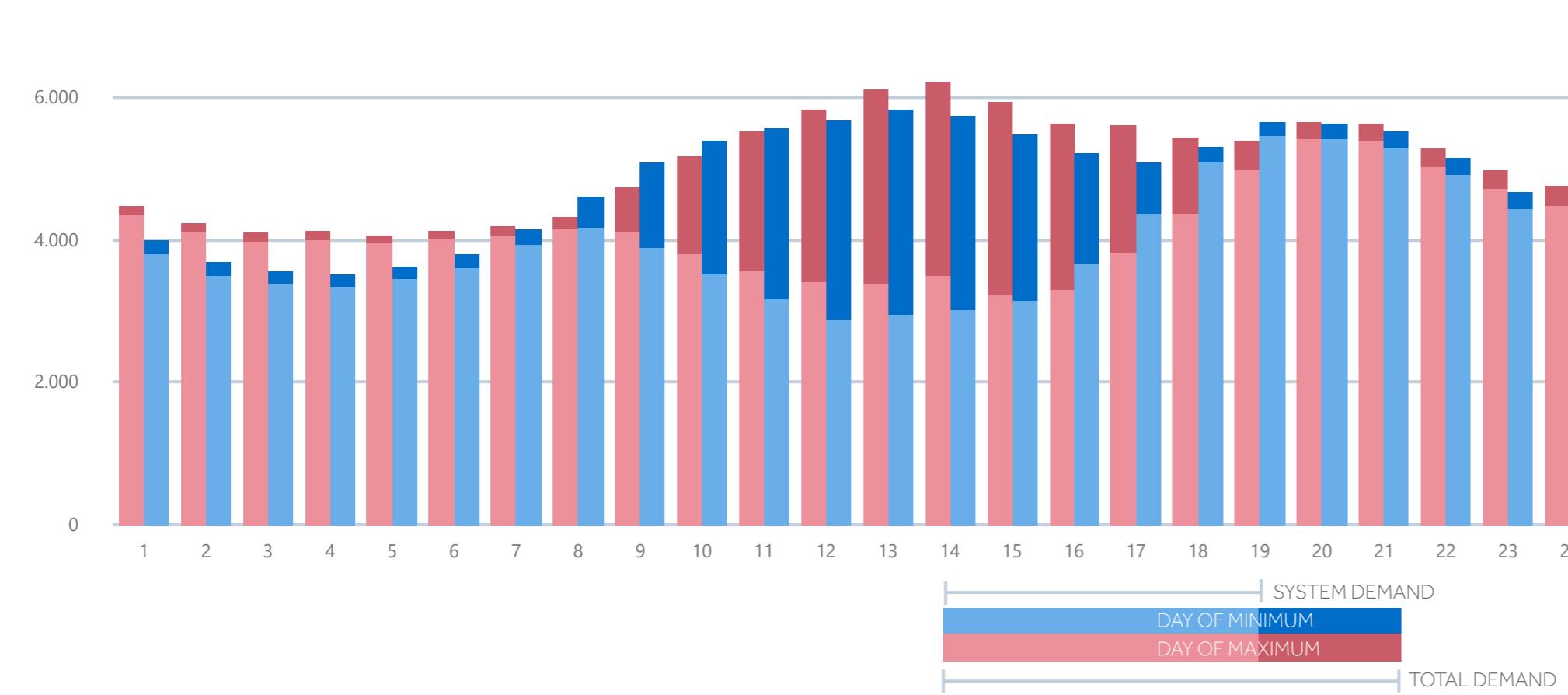
31/10/2022

4:00

**3.532 MW**

## HOURLY TOTAL DEMAND &amp; SYSTEM DEMAND (MW)

During the day of maximum and minimum of month October 2022



## MAXIMUM SYSTEM DEMAND

25/10/2022

20:00

**5.792 MW**

## MINIMUM SYSTEM DEMAND

30/10/2022

12:00

**1.846 MW**

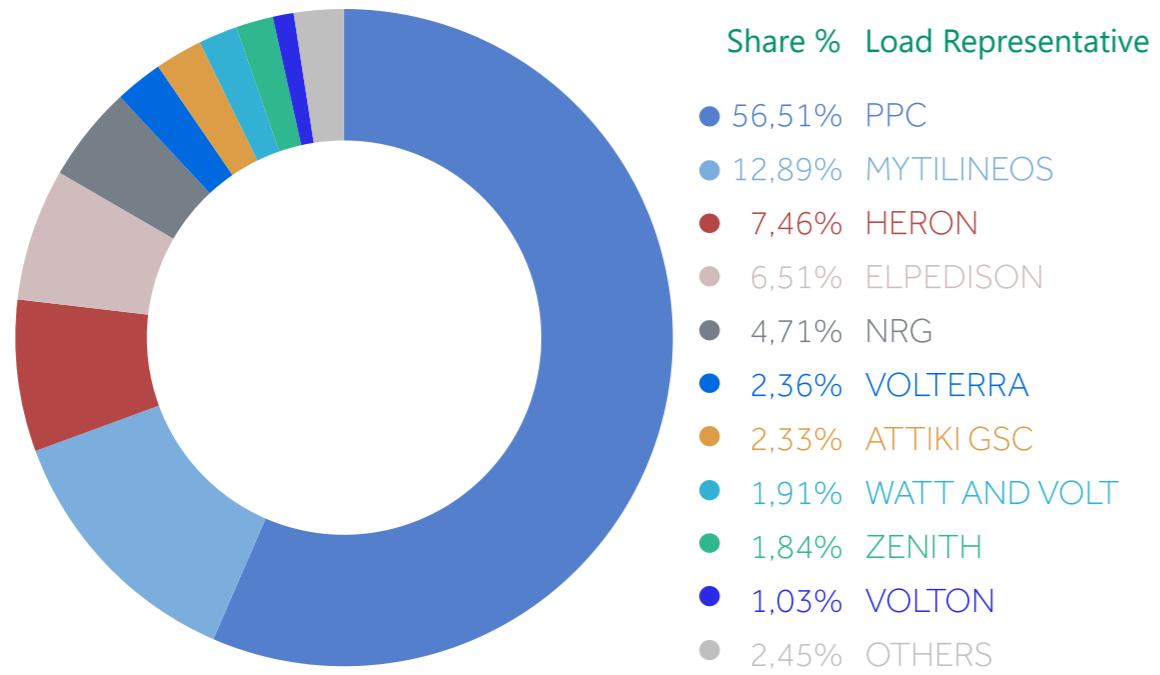
## Notes

- 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 (%)

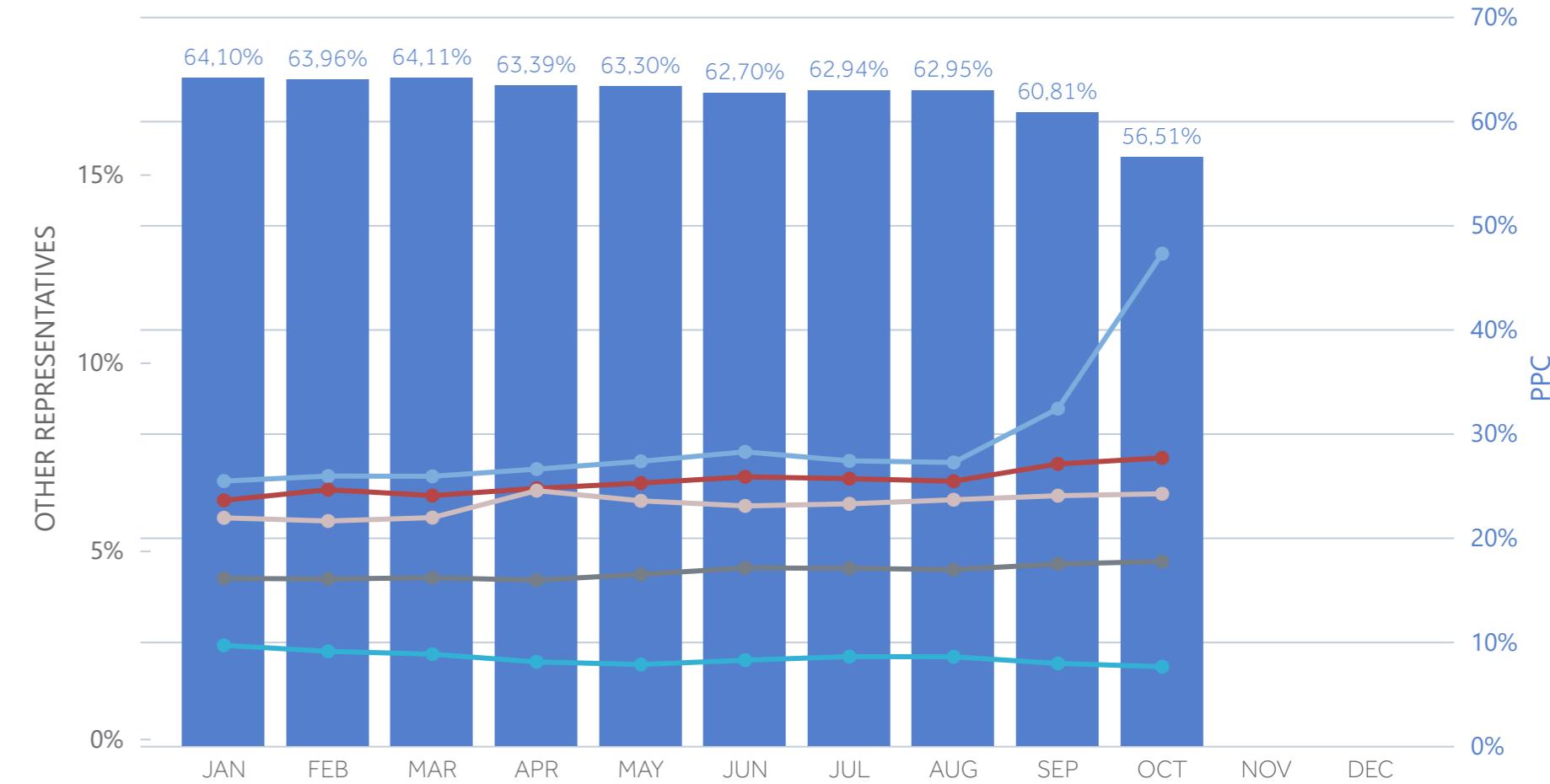
Annex 1.7



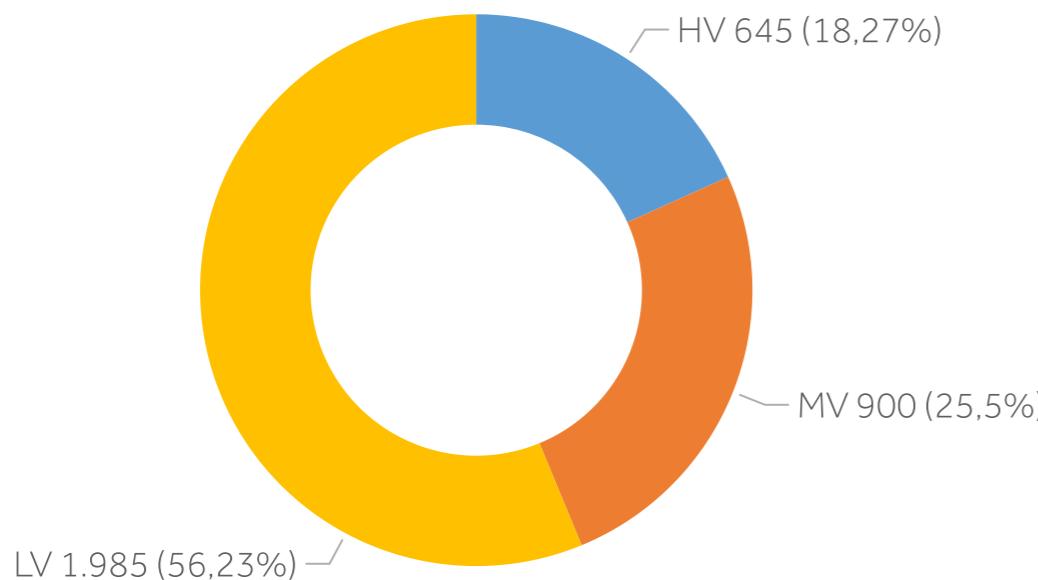
EVOLUTION OF MARKET SHARE OF LOAD REPRESENTATIVES (%)

Annex 1.6

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



DEMAND PER VOLTAGE LEVEL (GWh/%)

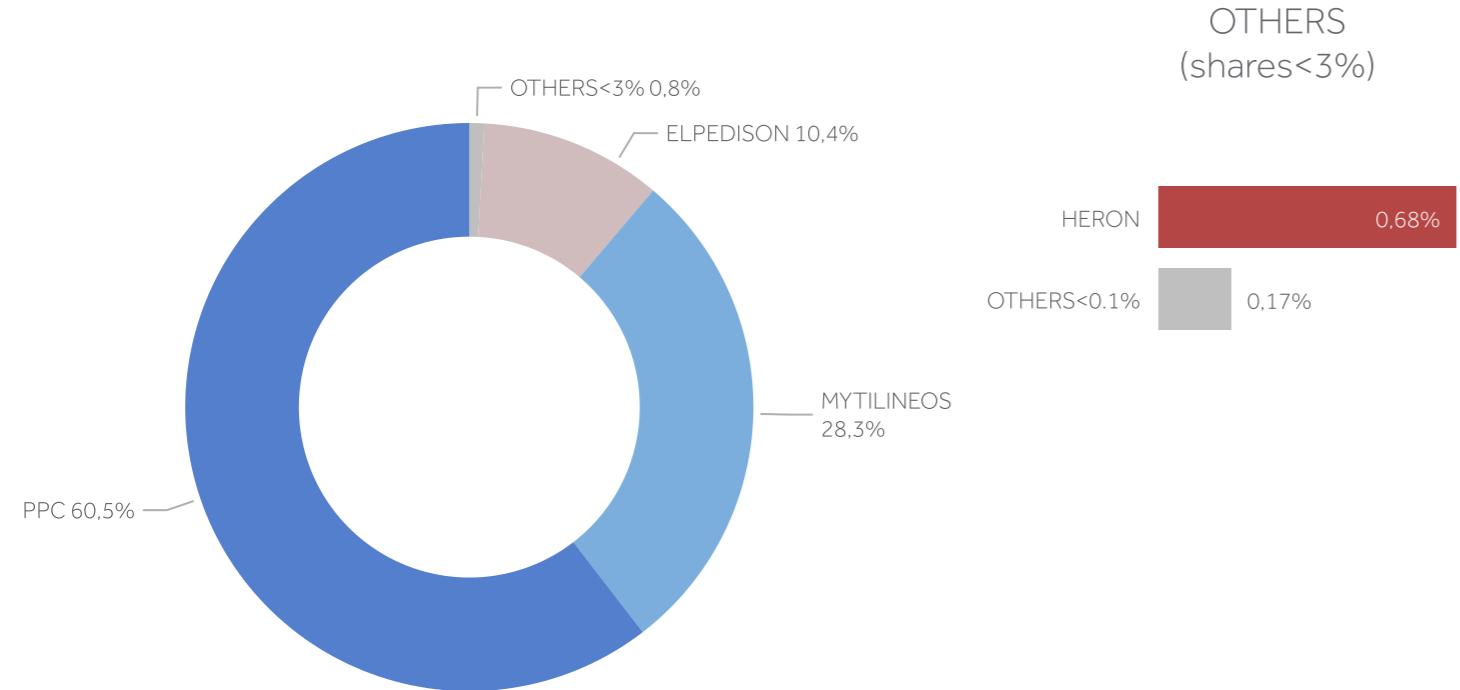


### Notes

- 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.

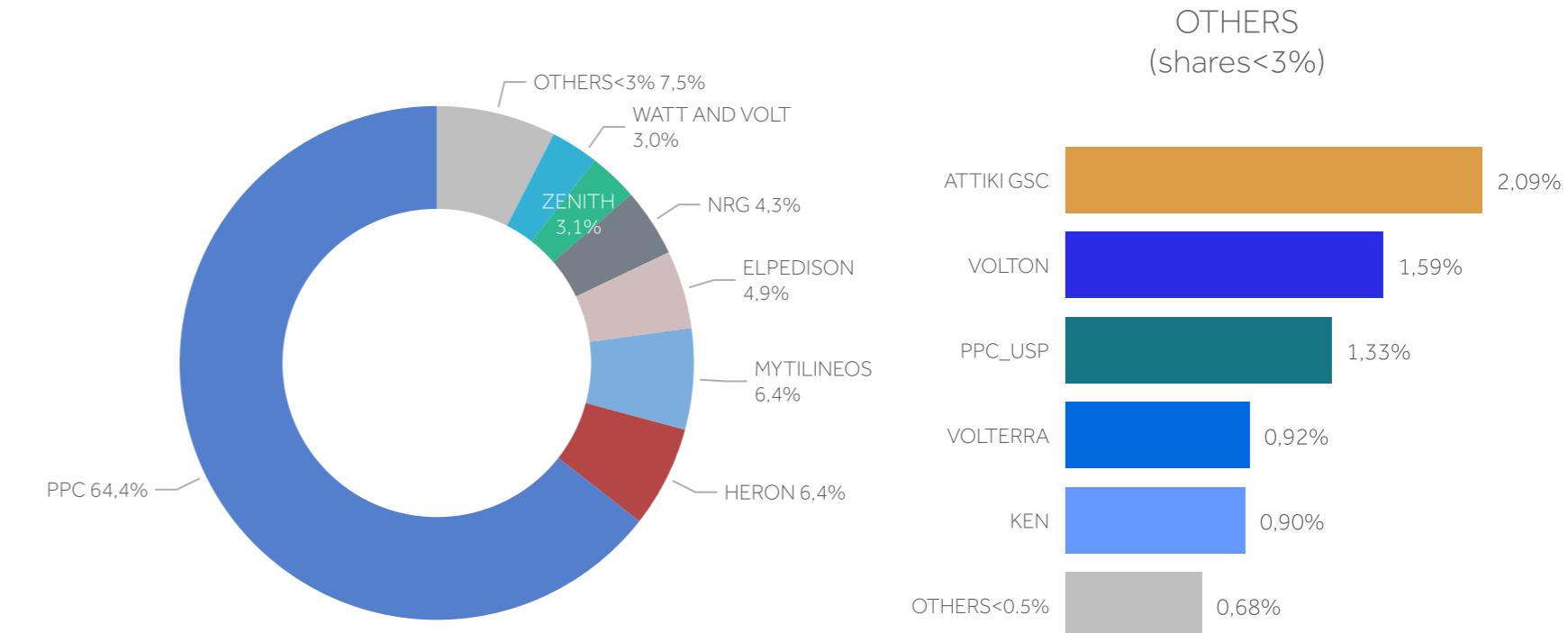
## Market Share of Load Representatives per voltage level

MARKET SHARE OF LOAD REPRESENTATIVES IN HV (%)



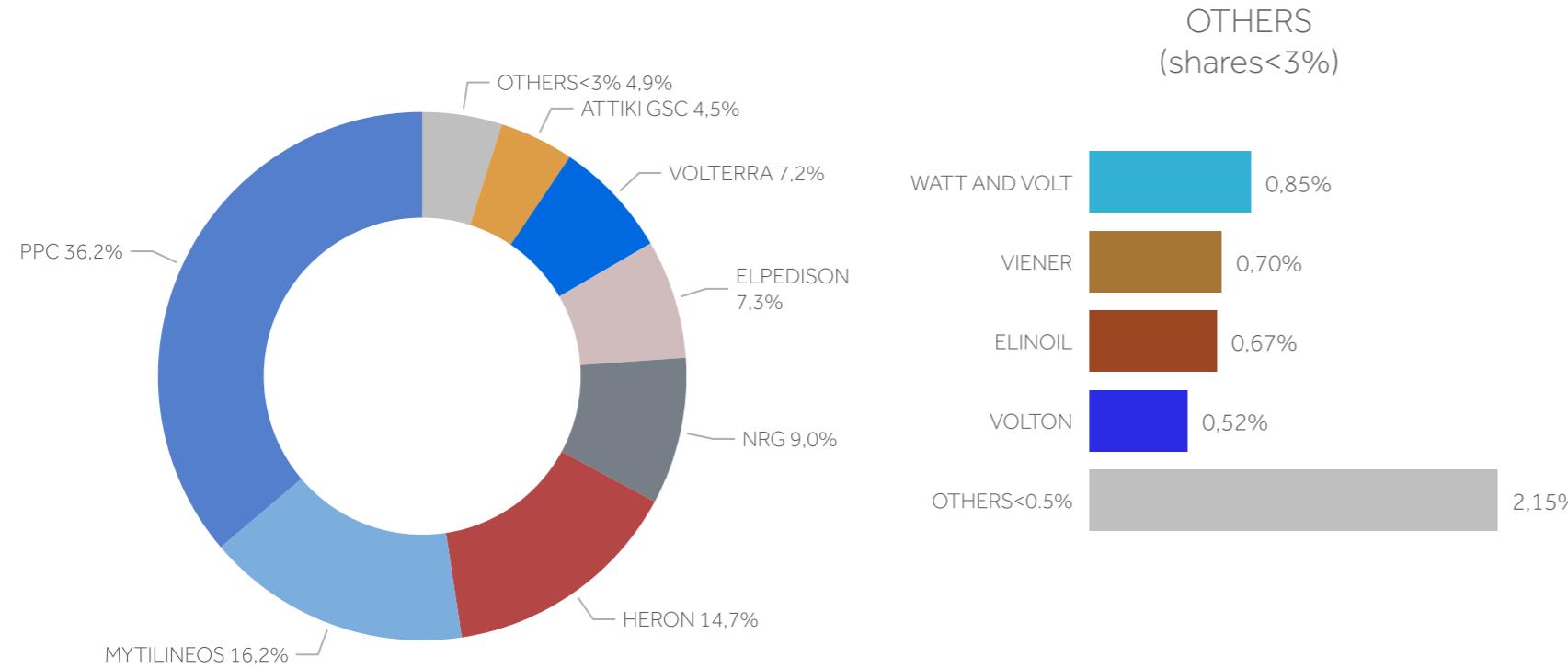
Annex 1.7

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.

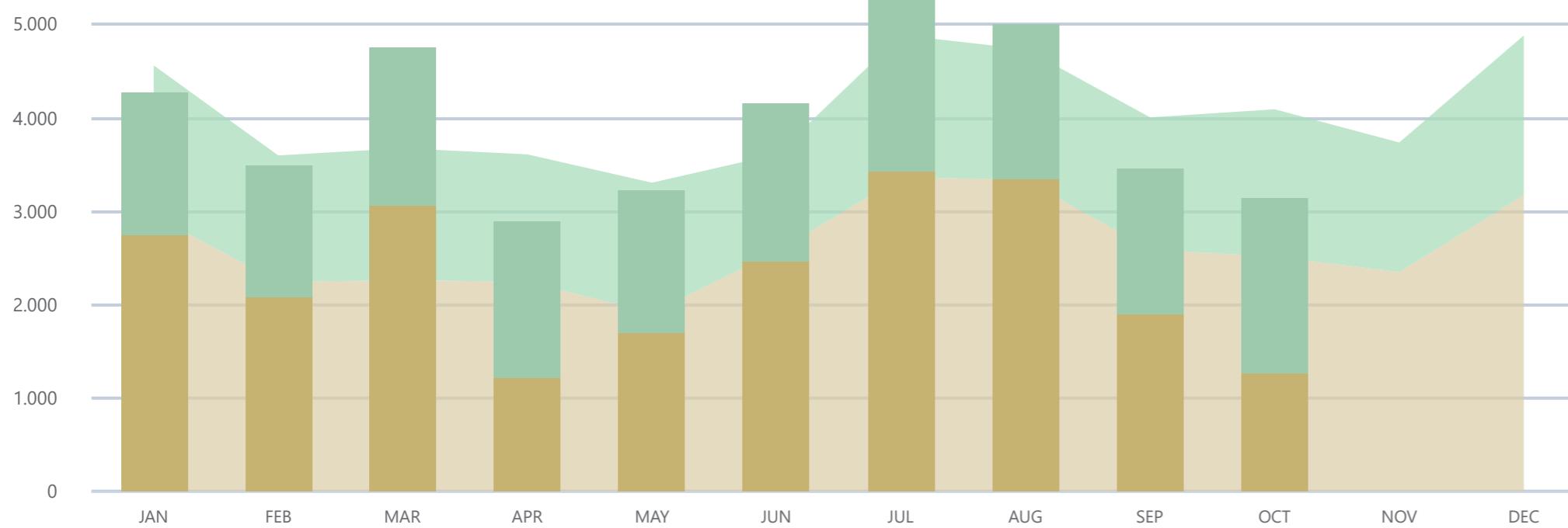
# Analysis of Net Generation

## ESTIMATION OF NET GENERATION (GWh)

Annex 2.1

2021 CONVENTIONAL  
2022 GENERATION

2021 RES  
2022 GENERATION



## Total Net Generation

**3.168** GWh

↓ 22,62%

Variation in comparison to the same month of the previous year



Thermal Generation



Hydro Generation



RES Generation

33,87%

6,54%

59,60%

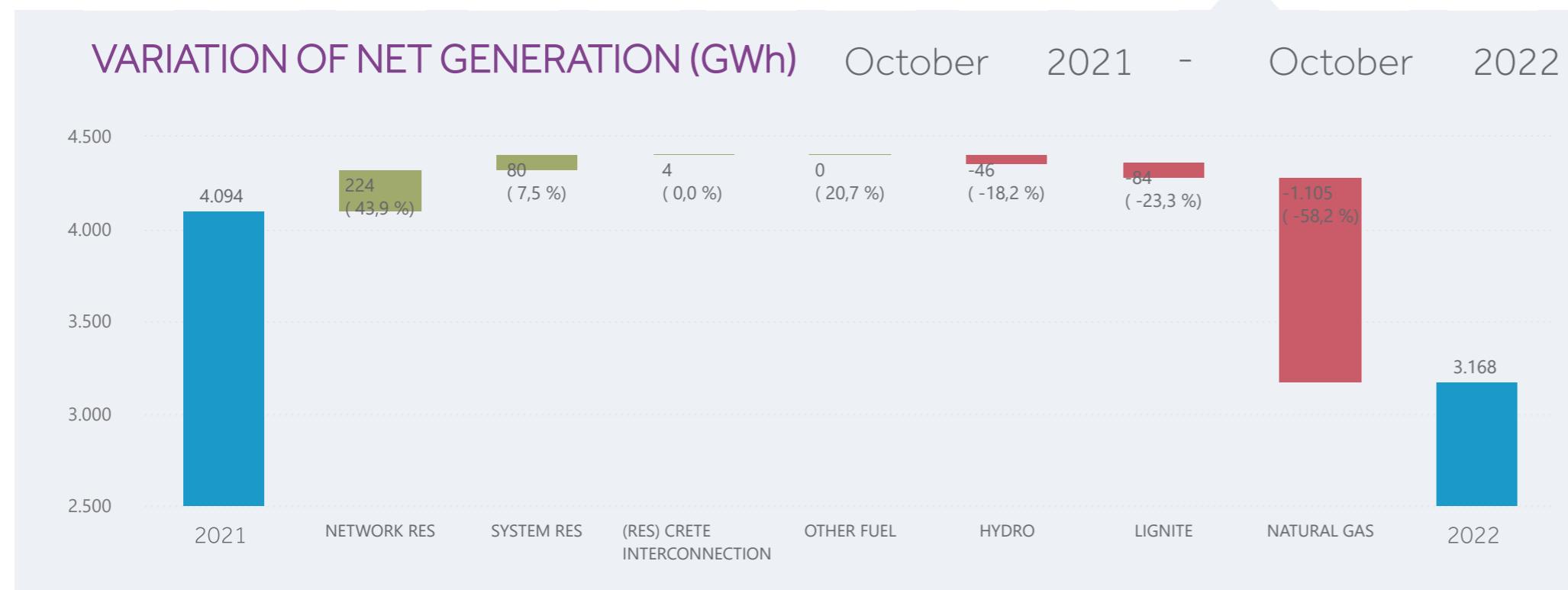
## VARIATION OF NET GENERATION (GWh)

October

2021

- October

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.

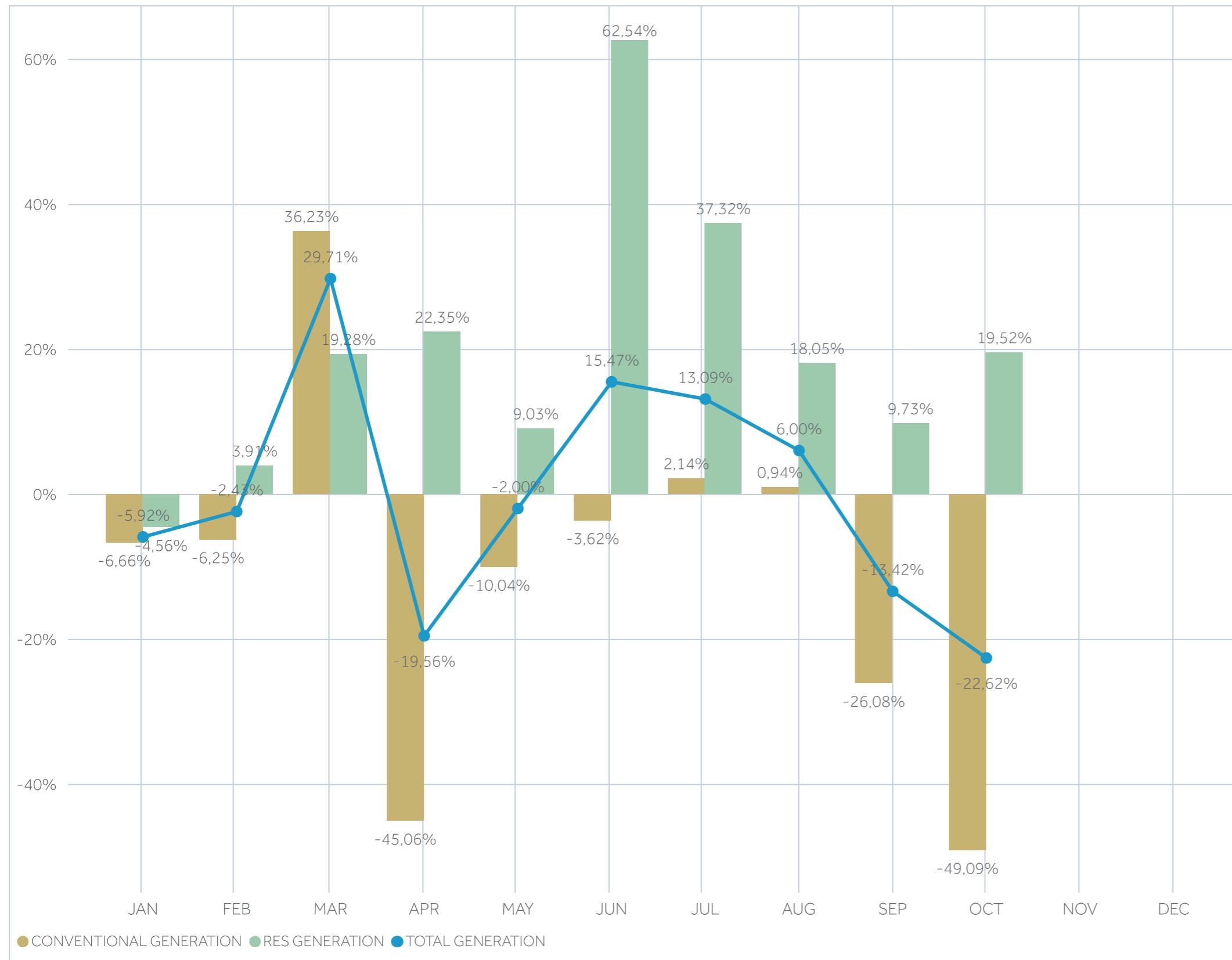
Conventional Generation includes the generation of large scale hydro units, as well as the generation of dispatchable co-generation units that has not been characterised as high efficiency Co-Generation.

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.

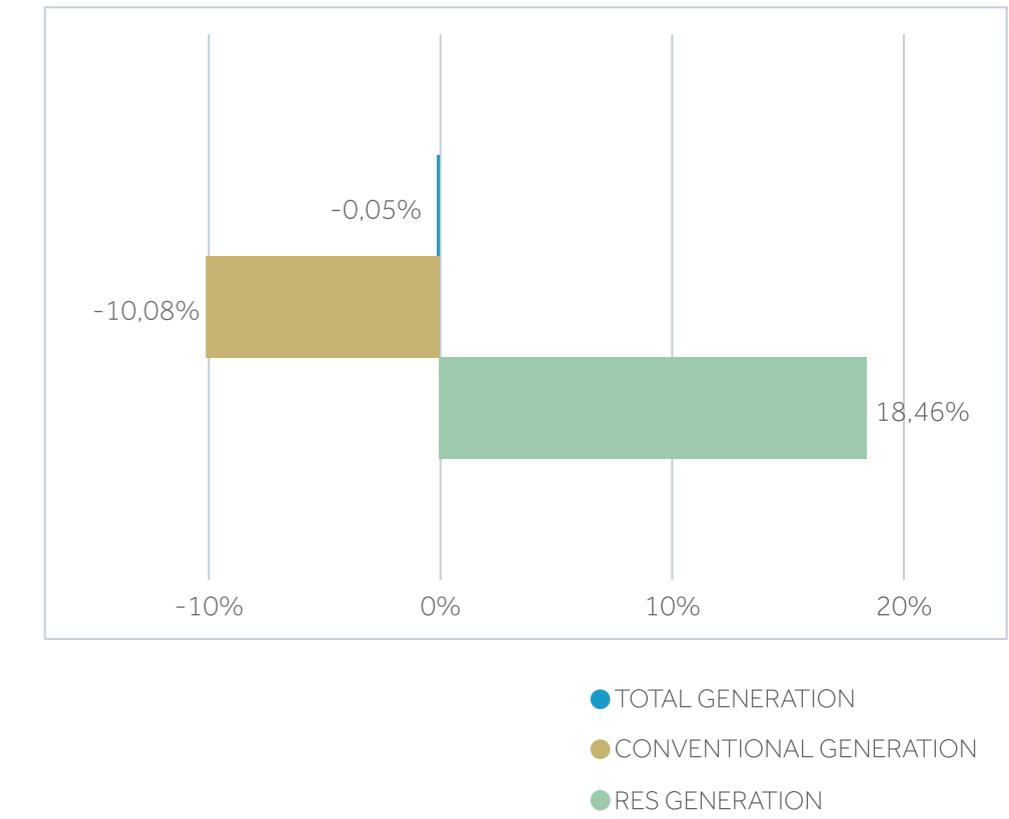
## Variation of Generation in comparison to the previous year

### 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.

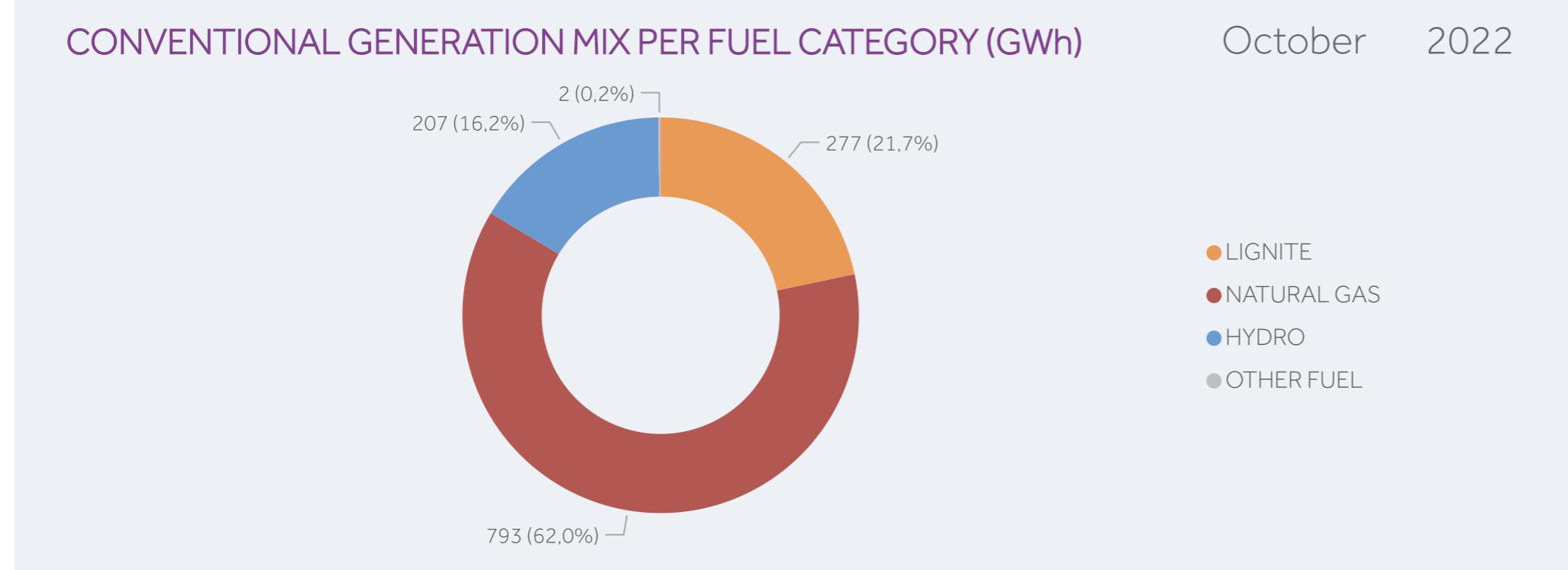
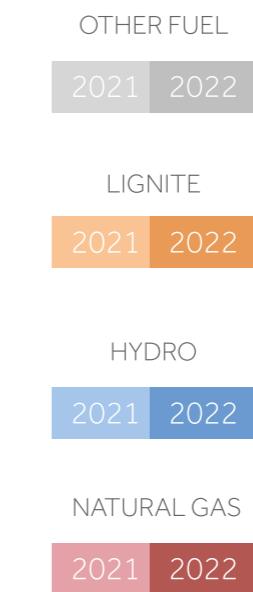
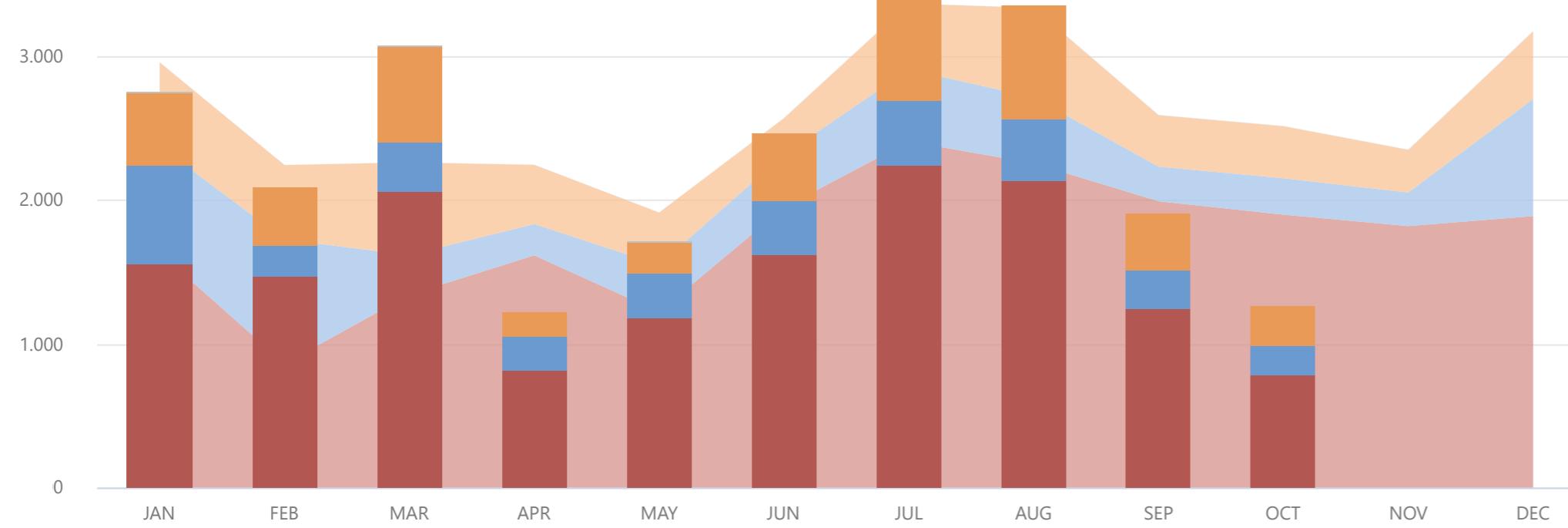
Conventional Generation includes the generation of large scale hydro units, as well as the generation of dispatchable co-generation units that has not been characterised as high efficiency Co-Generation.

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 2.1



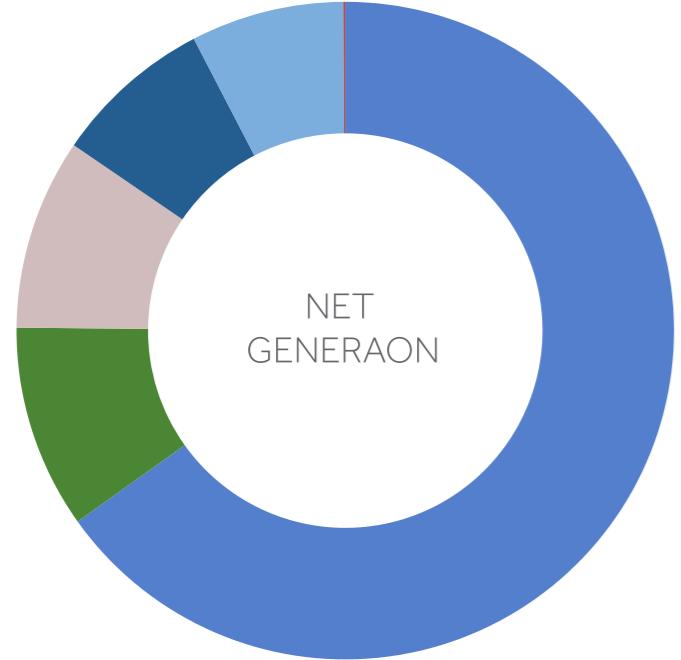
#### Notes

- 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.

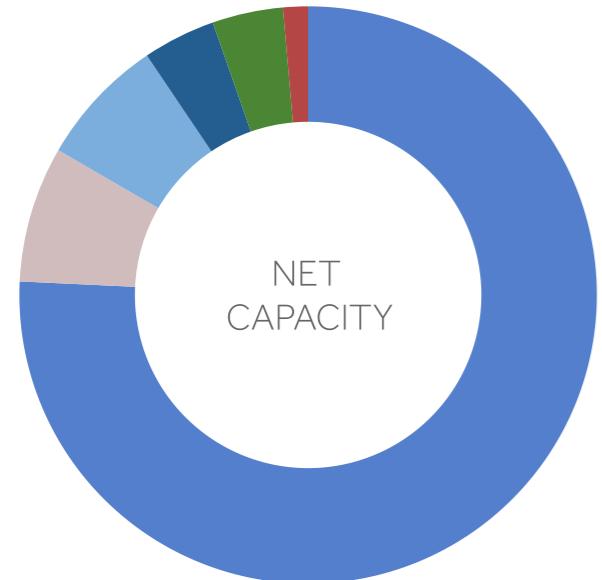
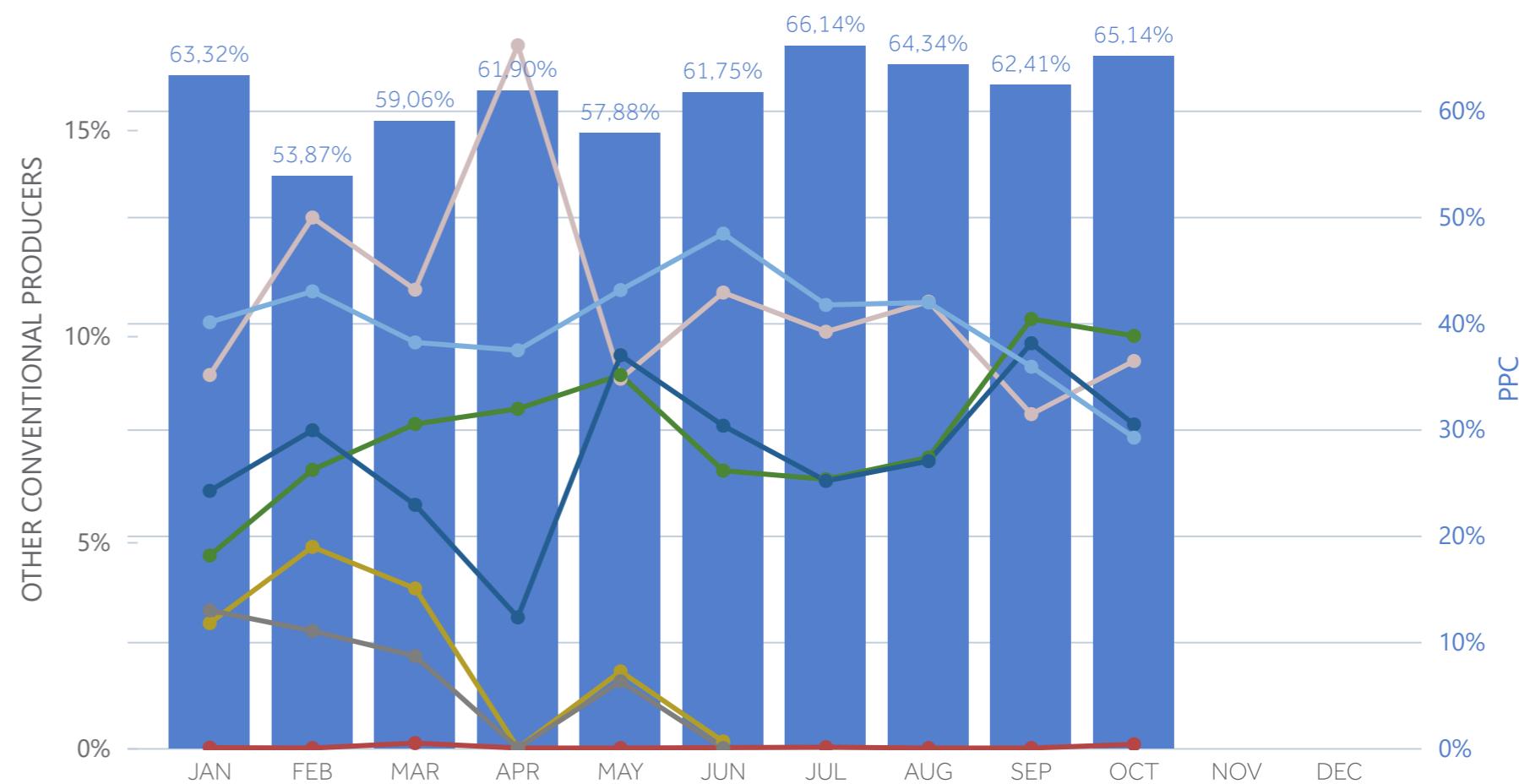
## Conventional Generation per Producer

### NET CAPACITY (MW) - NET GENERATION (GWh)

October 2022

 Annex 2.2

### PERCENTAGE OF NET CONVENTIONAL GENERATION IN THE SYSTEM (%)

 Annex 2.3

### 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 2.4

## NET GENERATION (GWh)

AGRAS	2,05
AOOS	10,99
ASOMATA	6,23
EDESSAIOS	1,68
ILARIONAS	4,51
KASTRAKI	30,36
KREMASTA	45,77
LADONAS	8,64
PLASTIRAS	2,23
PLATANOVRYSI	10,62
POLYFYTOS	17,17
POURNARI1	5,54
POURNARI2	0,58
SFIKIA	19,33
STRATOS1	13,05
THESAVROS	28,40
AGIOS DIMITRIOS1	0,00
AGIOS DIMITRIOS2	12,21
AGIOS DIMITRIOS3	36,75
AGIOS DIMITRIOS4	20,31
AGIOS DIMITRIOS5	168,94
MEGALOPOLI3	0,00
MEGALOPOLI4	39,19
MELITI	0,00
ALIVERI5	134,07
ALOUMINIO	101,52
ELPEDISON THESS	98,90
ELPEDISON THISVI	27,80
HERON CC	134,89
KOMOTINI	8,35
KORINTHOS POWER	105,81
LAVRIO4	30,04
LAVRIO5	0,00
MEGALOPOLIS	221,57
PROTERGIA CC	0,00
HERON1	0,43
HERON2	0,57
HERON3	0,23

## NET CAPACITY (MW)

50	5,50%
210	7,03%
108	7,75%
19	11,91%
153	3,96%
320	12,75%
437	14,07%
70	16,60%
130	2,31%
116	12,30%
375	6,15%
300	2,48%
34	2,33%
315	8,25%
150	11,69%
384	9,94%
274	0,00%
274	5,99%
283	17,45%
283	9,65%
342	66,40%
255	0,00%
256	20,58%
289	0,00%
417	43,21%
334	40,85%
400	33,22%
410	9,11%
422	42,95%
476	2,36%
433	32,81%
550	7,34%
378	0,00%
811	36,72%
433	0,00%
49	1,17%
49	1,55%
49	0,64%

## UTILISATION COEFFICIENT (%)

Net Capacity (MW)	Net Production (GWh)	Utilisation Coefficient (%)
148	1,23	1,1%
3.171	207	8,8%
2.256	277	16,5%
5.065	863	22,9%
<b>10.639</b>	<b>1.349</b>	<b>17,0%</b>



N.G. Open Cycle

148 1,23 1,1%



Hydro

3.171 207 8,8%



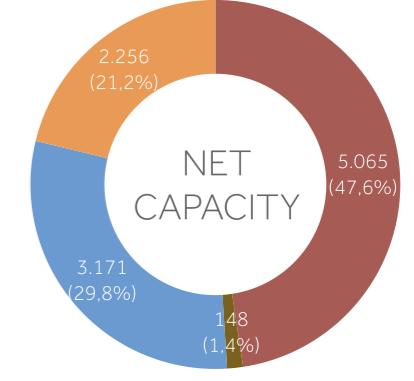
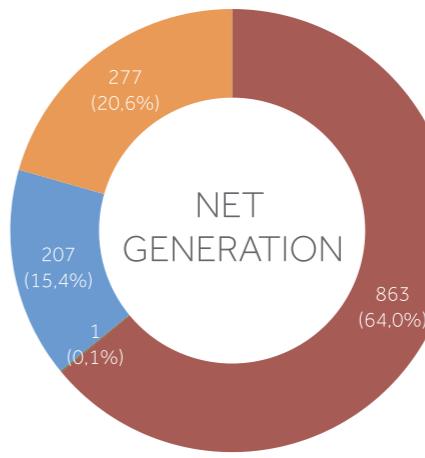
Lignite

2.256 277 16,5%



N.G. Combined Cycle

5.065 863 22,9%



## 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.

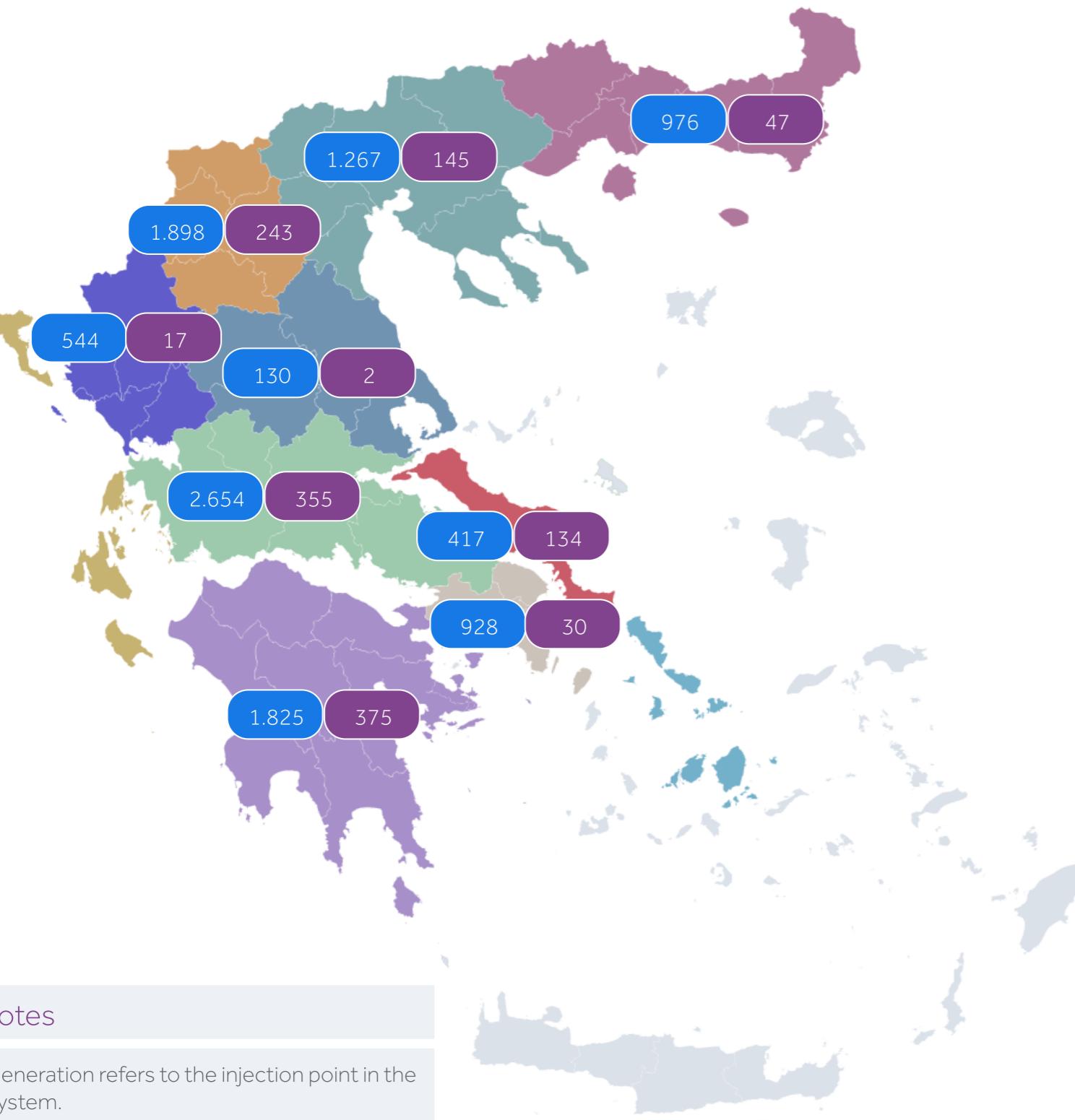
# Geographical Distribution of Conventional Generation



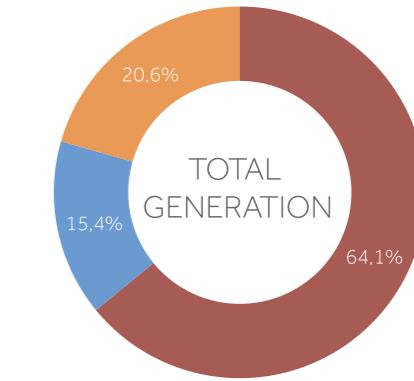
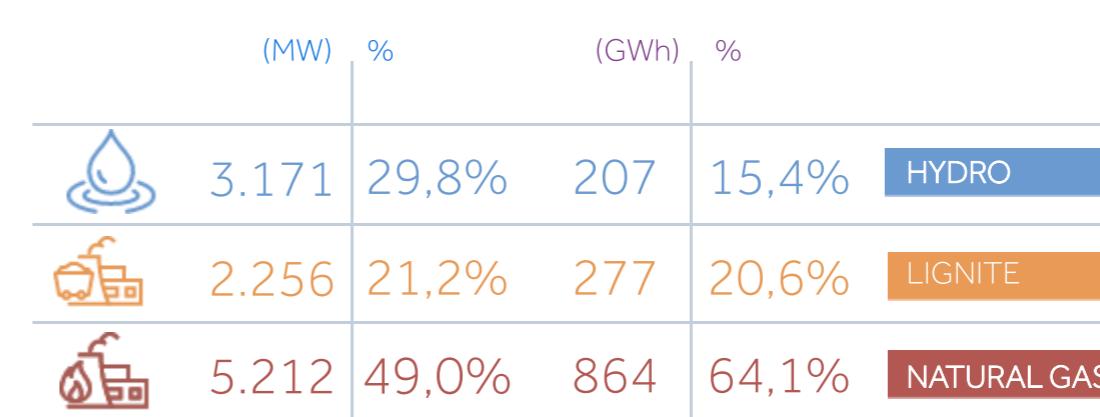
Annex 2.5

## GEOGRAPHICAL DISTRIBUTION OF CONVENTIONAL GENERATION

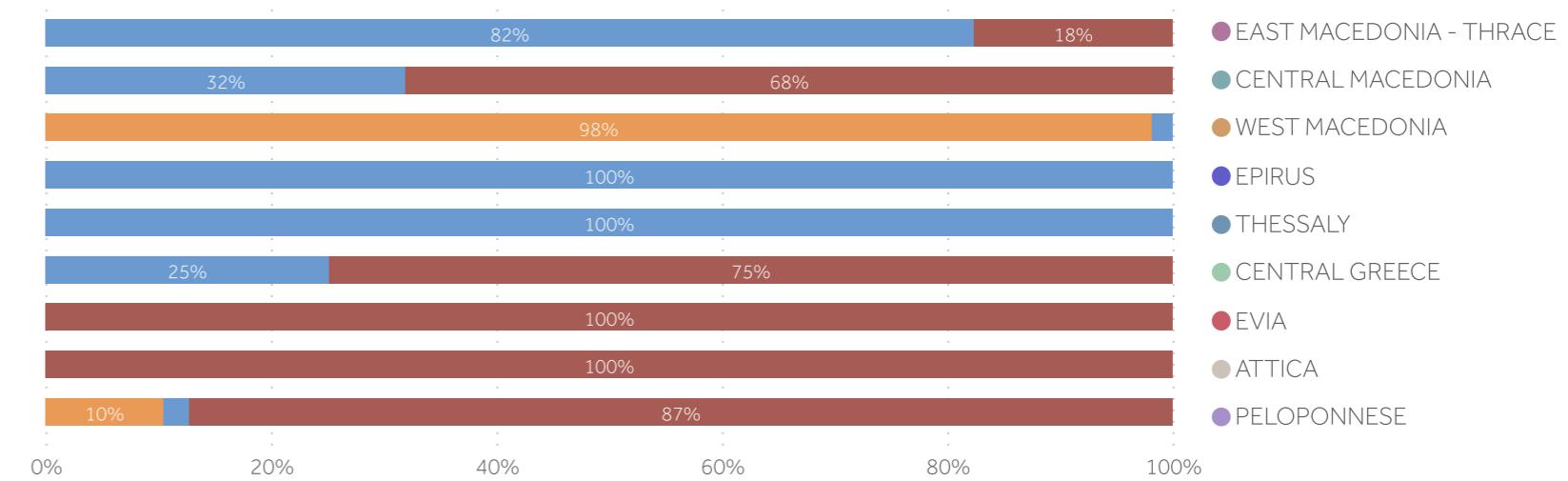
NET CAPACITY (MW) | NET GENERATION (GWh)



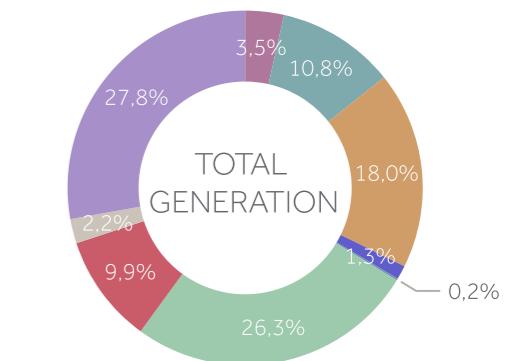
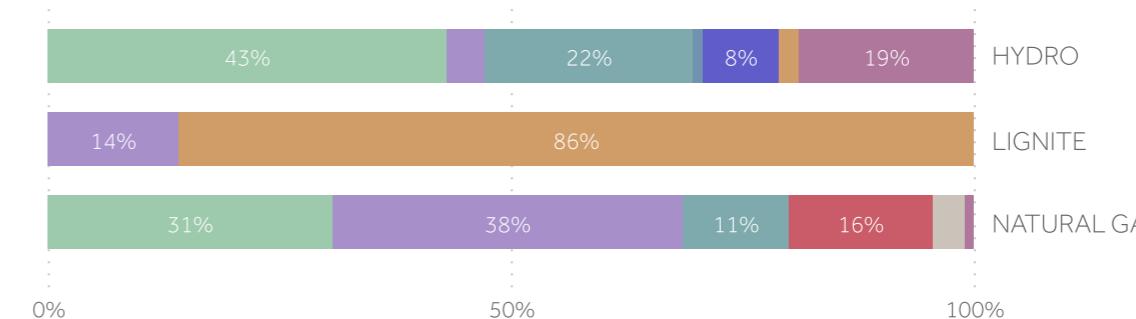
## ENERGY MIX OF CONVENTIONAL GENERATION



per geographical area (%)



## GEOGRAPHICAL DISTRIBUTION OF CONVENTIONAL GENERATION per fuel (%)



### 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 2.6

## GEOGRAPHICAL DISTRIBUTION OF SYSTEM RES GENERATION

NET CAPACITY (MW) | NET GENERATION (GWh)



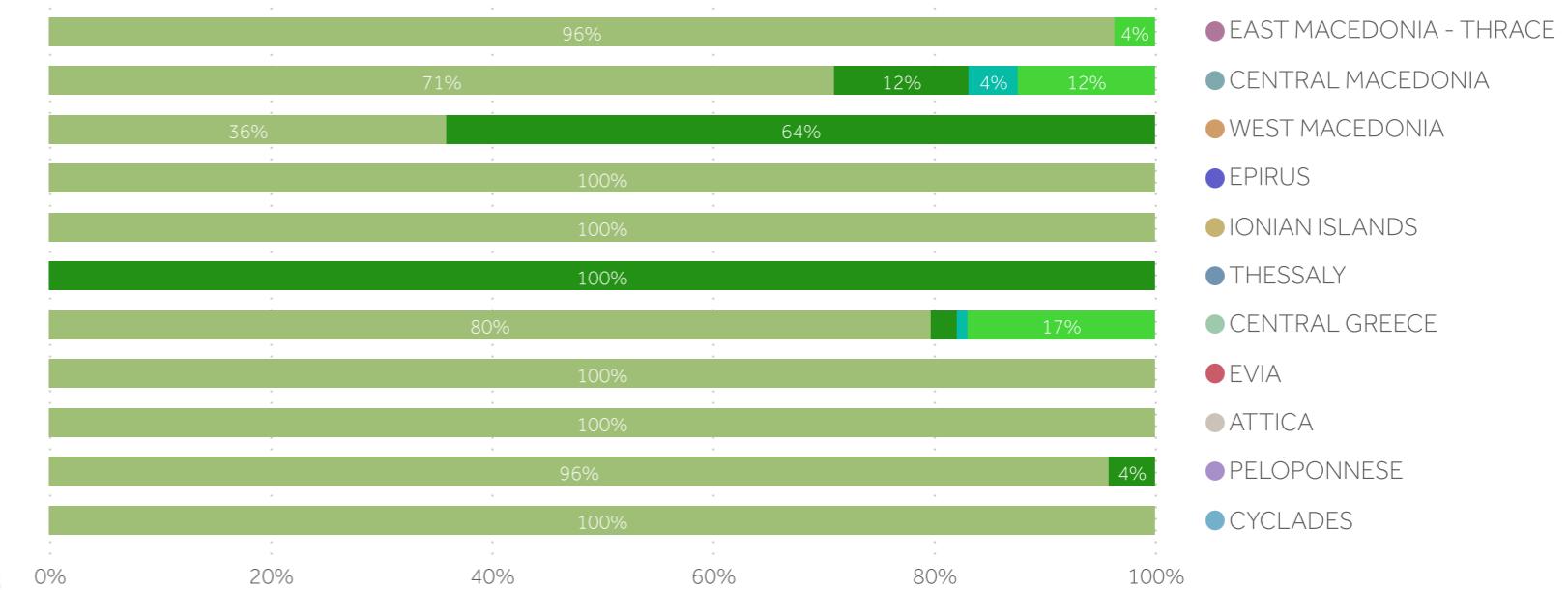
### Notes

- 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.

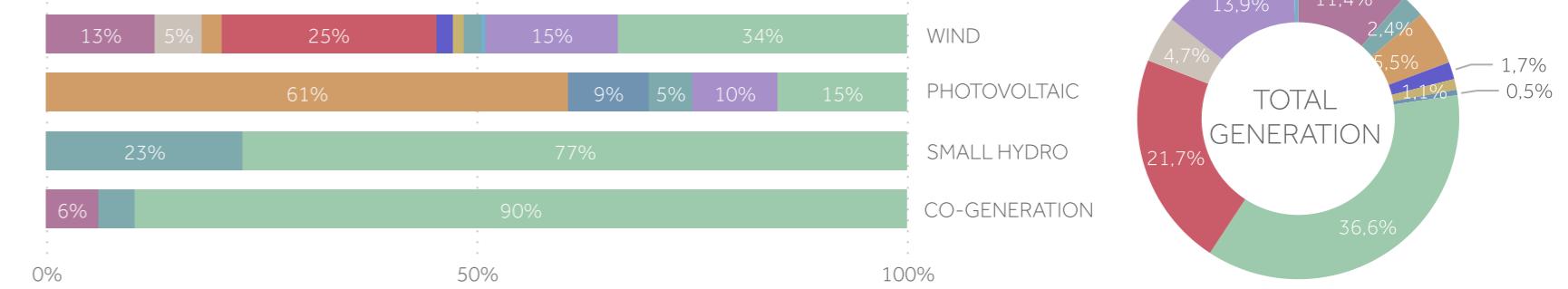
## ENERGY MIX OF SYSTEM RES GENERATION

	(MW)	%	(GWh)	%	
	3.873	85,4%	997	86,8%	WIND
	461	10,2%	67	5,8%	PHOTOVOLTAIC
	37	0,8%	5	0,5%	SMALL HYDRO
	167	3,7%	79	6,9%	CO-GENERATION
	<b>4.537</b>		<b>1.148</b>		

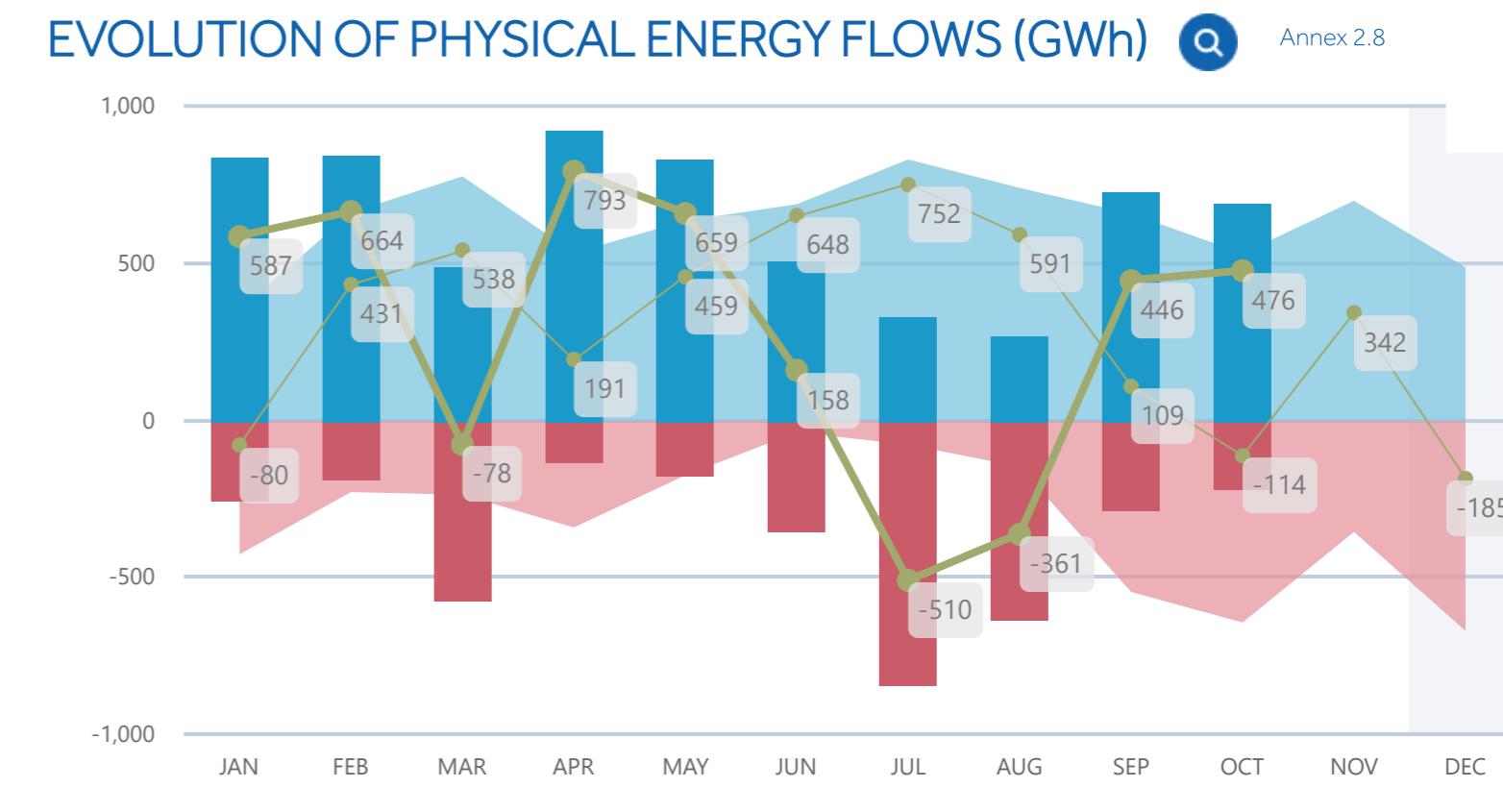
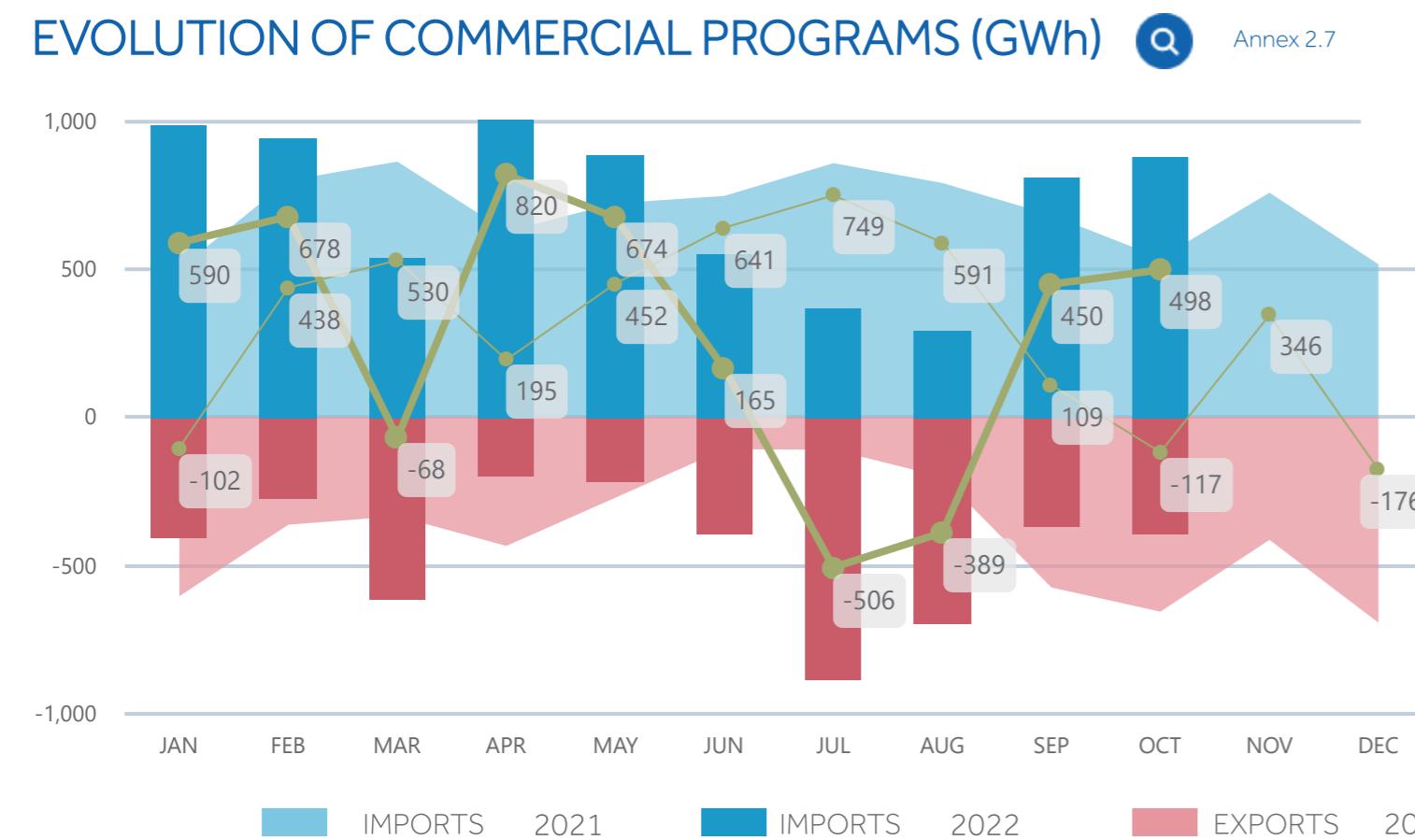
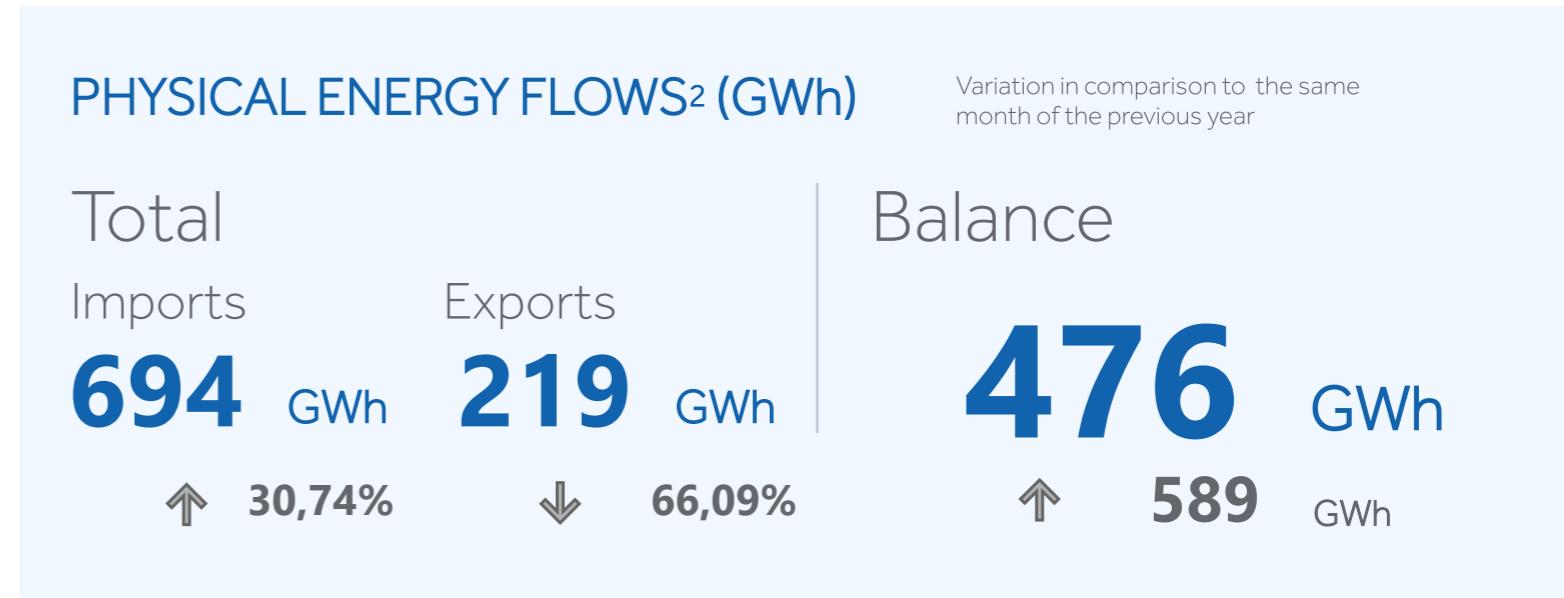
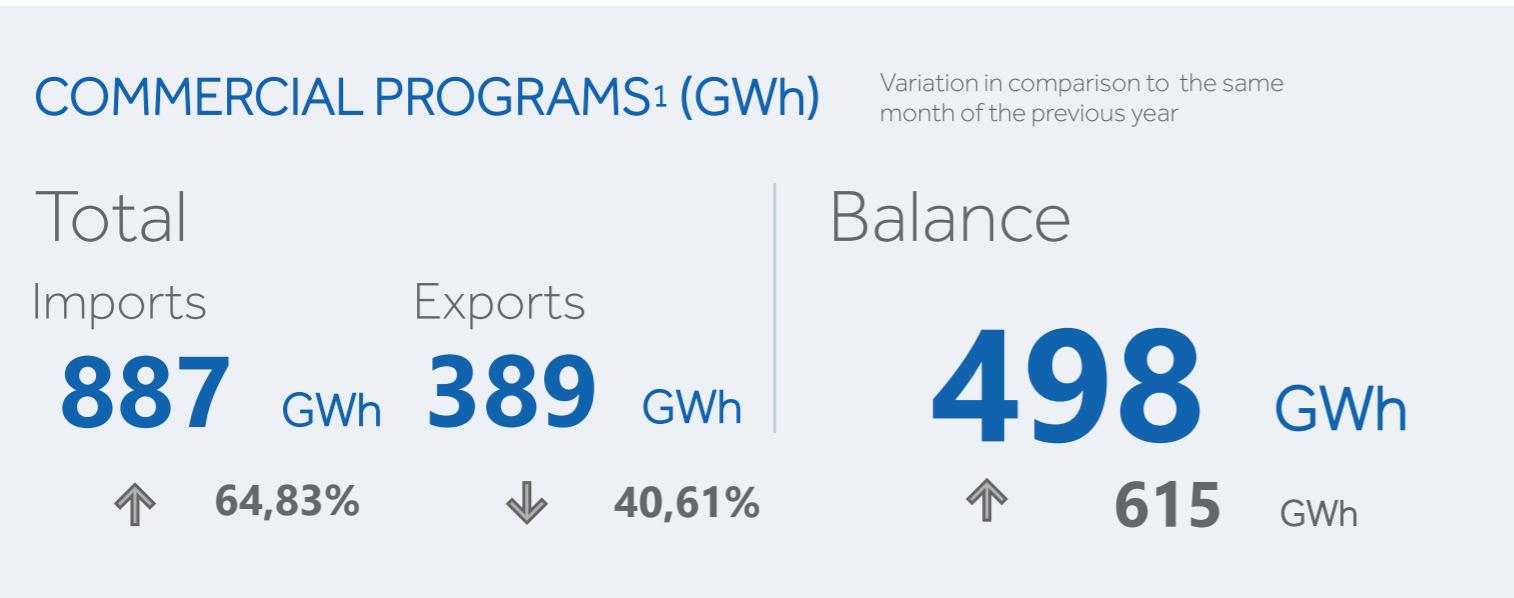
per geographical area (%)



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



## Energy on Interconnections



### Notes

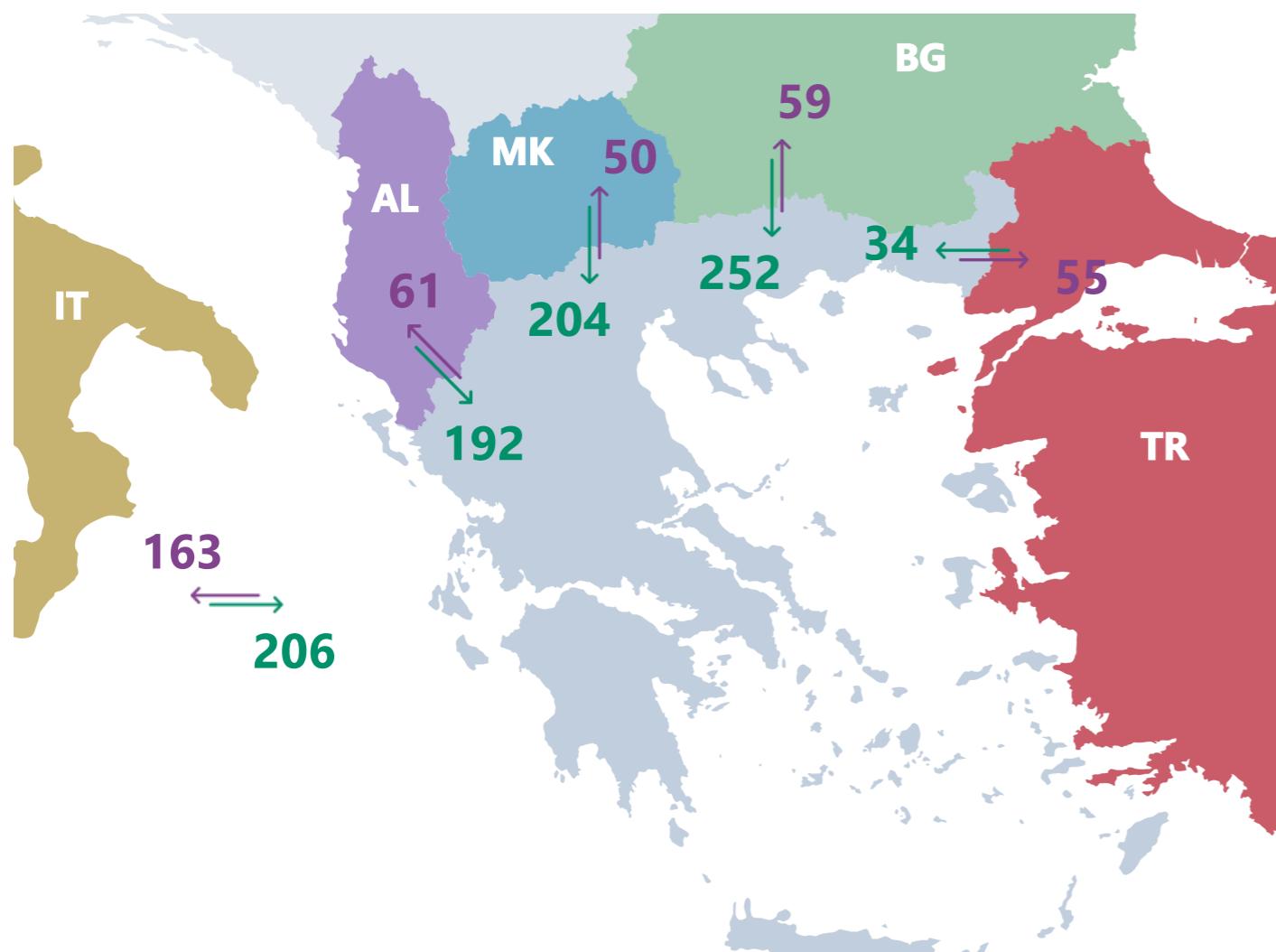
1 Balance of commercial programs in the interconnections is calculated as the difference "Commercial Program Imports"- "Commercial Program Exports" for all the interconnections.

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

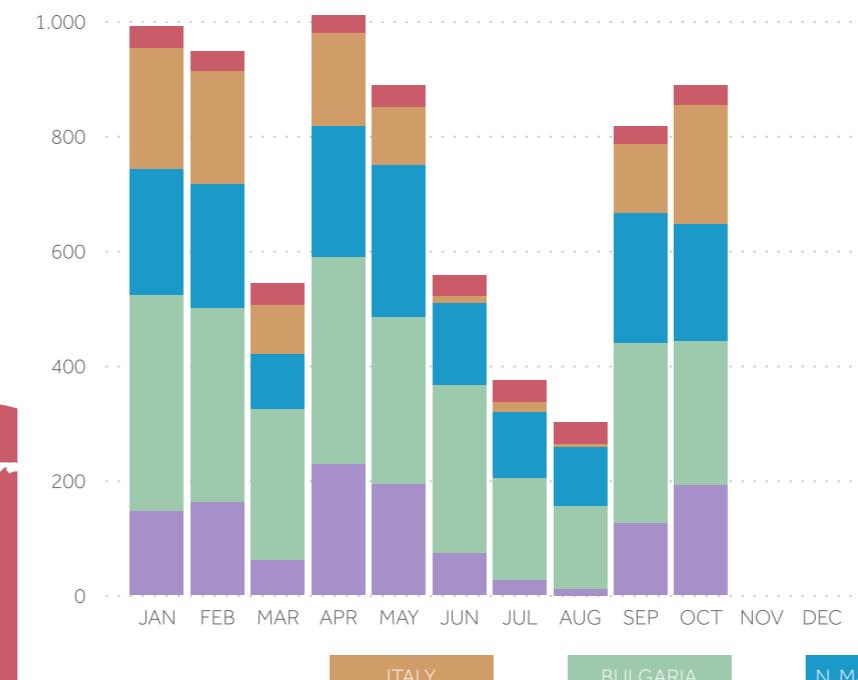
### Interconnection Balance

**498** GWh **615** GWh

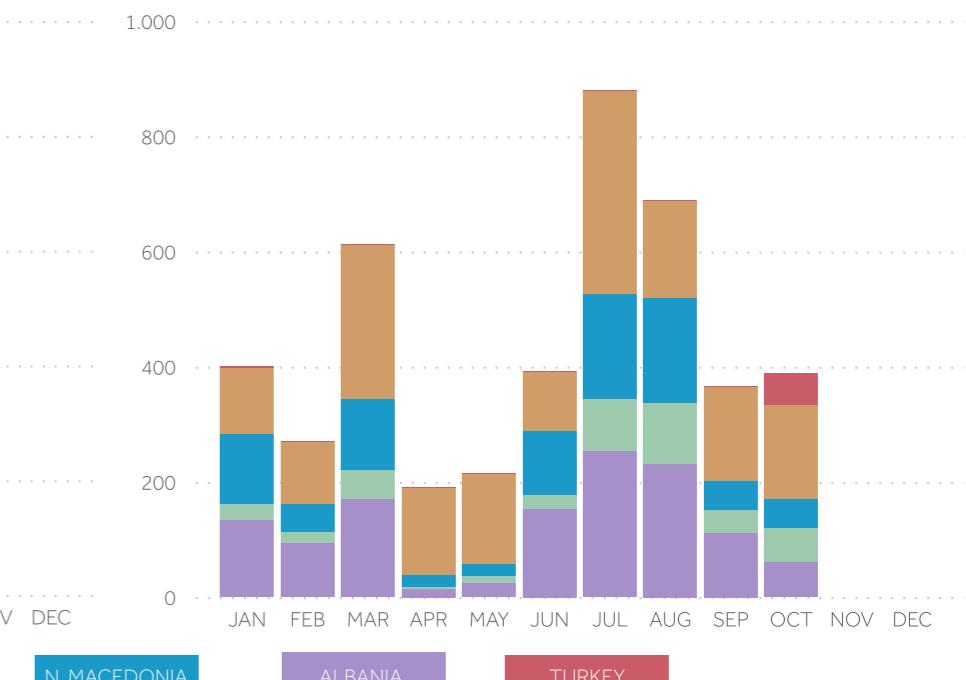


### COMMERCIAL PROGRAMS PER INTERCONNECTION

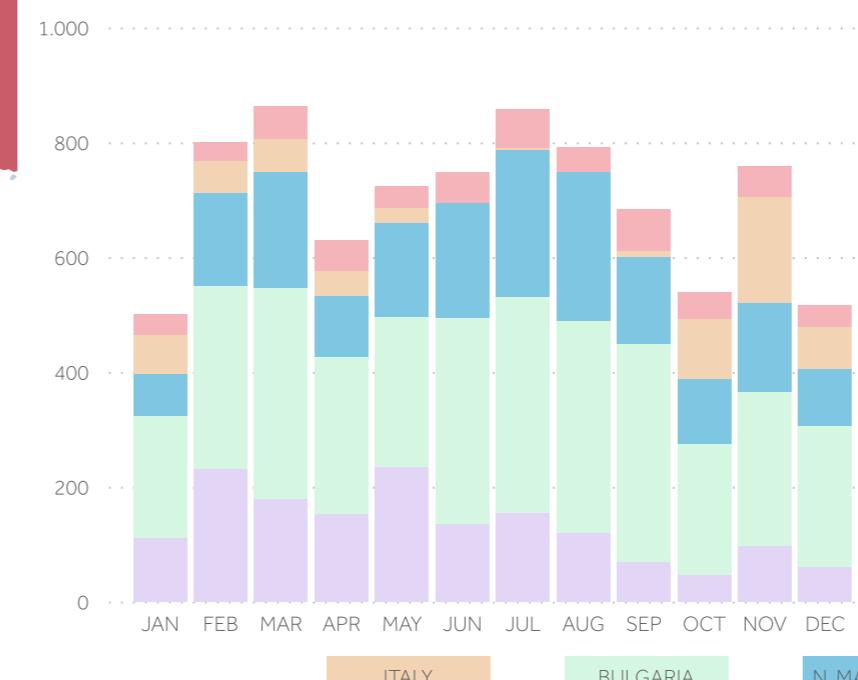
#### IMPORTS 2022



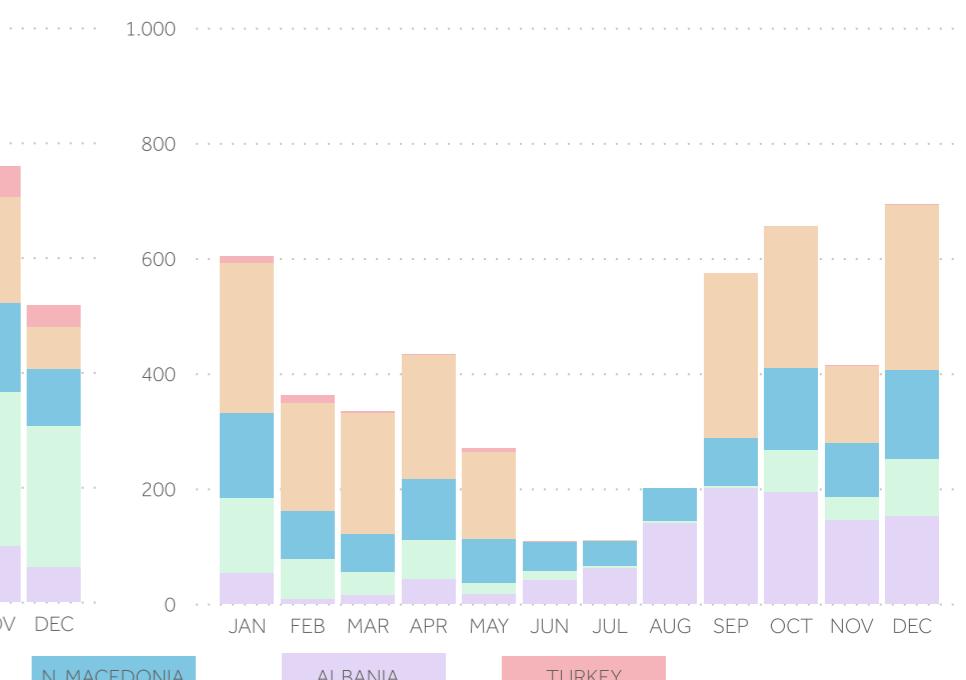
#### EXPORTS 2022



#### IMPORTS 2021



#### EXPORTS 2021



## 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	3.327,48	410,06	567,95	28,31	23,48	13,43	114,37		4.485,08	4.075,02
FEB	2.888,72	461,75	518,86	26,62	25,56	6,98	102,67		4.031,16	3.569,41
MAR	2.966,64	556,62	543,54	30,16	23,10	0,49	95,08		4.215,63	3.659,01
APR	2.529,44	590,44	542,25	27,29	21,61	1,99	88,62		3.801,64	3.211,20
MAY	2.366,90	680,78	572,38	23,55	23,06	10,47	89,14		3.766,29	3.085,51
JUN	2.909,49	641,23	562,92	23,28	21,00	6,87	95,69		4.260,47	3.619,25
JUL	4.111,94	716,56	586,72	20,38	14,63	1,10	141,81	48,09	5.641,22	4.924,66
AUG	3.878,86	689,39	517,25	22,11	13,43	3,81	139,57	64,62	5.329,03	4.639,64
SEP	2.700,29	597,05	576,16	22,45	23,61	4,89	127,42	65,25	4.117,11	3.520,06
OCT	2.633,18	511,80	603,79	22,84	19,92	10,19	129,10	50,07	3.980,90	3.469,09
NOV	2.912,87	402,21	576,80	22,02	19,43	7,92	121,51	17,81	4.080,57	3.678,36
DEC	3.434,16	483,61	572,13	26,51	17,65	14,66	137,47	15,23	4.701,41	4.217,81
	<b>36.659,96</b>	<b>6.741,49</b>	<b>6.740,75</b>	<b>295,51</b>	<b>246,49</b>	<b>82,81</b>	<b>1.382,44</b>	<b>261,07</b>	<b>52.410,52</b>	<b>45.669,03</b>

**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	3.522,91	544,04	597,00	26,37	17,83	6,70	135,59	30,71	4.881,14	4.337,10
FEB	2.931,62	532,60	520,61	23,27	18,56	13,97	113,46	22,43	4.176,51	3.643,91
MAR	3.217,66	670,52	593,67	27,03	16,13	12,17	132,69	21,88	4.691,75	4.021,23
APR	2.157,97	766,85	560,25	23,92	26,07	28,79	97,46	36,49	3.697,80	2.930,94
MAY	2.264,01	831,88	577,75	23,28	23,58	18,46	93,17	68,73	3.900,86	3.068,98
JUN	2.739,92	812,17	548,12	21,37	19,85	16,53	112,67	58,24	4.328,86	3.516,69
JUL	3.342,34	917,51	554,78	22,30	14,25	13,21	135,30	19,79	5.019,48	4.101,98
AUG	3.169,61	796,82	500,40	21,99	13,51	12,80	114,55	31,57	4.661,26	3.864,43
SEP	2.425,32	764,06	551,63	19,33	23,19	15,88	95,75	20,70	3.915,86	3.151,80
OCT	2.149,02	736,29	569,86	19,79	28,09	27,24	94,58	19,19	3.644,06	2.907,78
NOV										
DEC										
	<b>27.920,37</b>	<b>7.372,73</b>	<b>5.574,07</b>	<b>228,65</b>	<b>201,05</b>	<b>165,74</b>	<b>1.125,22</b>	<b>329,74</b>	<b>42.917,59</b>	<b>35.544,85</b>



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 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						
DEC						

## 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						
DEC						



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

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

**2021**

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	4.429	4.671
2	4.091	4.338
3	3.985	4.233
4	3.927	4.176
5	3.925	4.174
6	4.027	4.280
7	4.394	4.647
8	4.962	5.222
9	5.232	5.707
10	5.144	6.104
11	4.871	6.265
12	4.635	6.322
13	4.511	6.342
14	4.419	6.267
15	4.264	6.020
16	4.205	5.752
17	4.394	5.599
18	4.873	5.596
19	5.484	5.803
20	6.108	6.356
21	6.168	6.415
22	5.779	6.026
23	5.236	5.482
24	4.984	5.226

**2022**

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	4.045	4.251
2	3.813	4.020
3	3.708	3.919
4	3.686	3.898
5	3.705	3.917
6	3.821	4.035
7	4.138	4.355
8	4.562	4.807
9	4.576	5.228
10	4.121	5.585
11	3.615	5.756
12	3.293	5.890
13	3.165	5.975
14	3.134	5.928
15	3.041	5.678
16	3.101	5.373
17	3.487	5.187
18	4.223	5.158
19	4.968	5.289
20	5.512	5.732
21	5.509	5.733
22	5.138	5.365
23	4.685	4.911
24	4.437	4.662

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

Date of Maximum

01/10/2022

Date of Minimum

31/10/2022

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	4.369	4.498
2	4.123	4.248
3	3.995	4.116
4	4.011	4.142
5	3.967	4.087
6	4.026	4.148
7	4.081	4.212
8	4.160	4.342
9	4.124	4.762
10	3.811	5.192
11	3.575	5.541
12	3.414	5.851
13	3.413	6.122
14	3.509	6.230
15	3.254	5.950
16	3.307	5.648
17	3.846	5.633
18	4.378	5.457
19	4.985	5.414
20	5.428	5.667
21	5.398	5.647
22	5.041	5.290
23	4.738	4.992
24	4.483	4.770

TIME	SYSTEM DEMAND	TOTAL DEMAND
1	3.824	4.020
2	3.510	3.700
3	3.391	3.570
4	3.354	3.532
5	3.457	3.634
6	3.617	3.811
7	3.951	4.162
8	4.192	4.627
9	3.904	5.113
10	3.538	5.410
11	3.189	5.589
12	2.896	5.701
13	2.976	5.854
14	3.031	5.747
15	3.160	5.485
16	3.691	5.240
17	4.392	5.108
18	5.098	5.321
19	5.466	5.668
20	5.438	5.658
21	5.306	5.534
22	4.939	5.162
23	4.452	4.678
24	4.232	4.460



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 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	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	<b>25.957,2</b>
MYTILINEOS	322,8	282,0	316,4	255,3	275,6	317,0	359,2	331,5	333,3	455,0	<b>3.248,1</b>
HERON	298,6	267,4	293,2	237,1	254,0	289,3	336,2	309,0	277,4	263,4	<b>2.825,6</b>
ELPEDISON	276,7	233,8	266,6	234,9	236,4	257,2	303,6	286,7	245,4	229,8	<b>2.571,1</b>
NRG	200,8	171,5	194,1	150,2	163,3	188,7	220,3	202,9	176,4	166,3	<b>1.834,5</b>
WATT AND VOLT	117,0	93,8	101,9	72,7	73,8	86,8	106,2	98,3	76,0	67,6	<b>894,1</b>
ATTIKI GSC	98,5	83,1	91,3	73,2	79,2	91,1	103,8	96,8	89,0	82,4	<b>888,5</b>
VOLTERRA	87,1	83,3	90,8	74,9	81,6	91,0	99,8	92,7	88,6	83,3	<b>873,0</b>
ZENITH	92,8	75,7	85,8	62,1	63,2	74,7	93,4	86,9	68,6	64,8	<b>768,1</b>
VOLTON	73,8	59,3	68,1	49,6	49,2	55,4	65,3	59,2	42,6	36,3	<b>558,8</b>
PPC_USP	41,2	33,3	37,3	26,1	25,7	29,4	33,5	32,8	27,0	26,5	<b>312,9</b>
KEN	33,8	29,2	36,1	29,7	29,5	31,2	37,0	33,6	24,8	20,5	<b>305,3</b>
ELTA	12,7	10,8	11,2	8,0	8,1	10,1	12,0	10,8	7,5	6,0	<b>97,3</b>
ELINOIL	9,5	8,8	9,3	8,0	8,4	8,7	9,6	10,9	9,7	7,9	<b>90,9</b>
VIENER	8,5	8,5	8,6	6,8	7,7	8,8	7,6	6,2	7,4	6,3	<b>76,3</b>
EUNICE TRAD	3,7	3,3	3,9	3,2	3,8	4,6	5,1	4,9	4,7	5,1	<b>42,3</b>
OTE	2,6	2,2	2,4	2,0	2,0	1,2	2,2	2,2	1,8	1,7	<b>20,3</b>
LIG. MEGALOP	2,9	2,2	2,3	2,7	3,3	0,4					<b>13,8</b>
MYTILINEOS_USP	1,3	1,1	1,2	0,9	0,8	1,0	1,9	1,8	1,5	1,4	<b>12,9</b>
LIG. MELITIS	1,9	2,1	2,6	3,0	3,0	0,3					<b>12,9</b>
SOLAR ENERGY	1,1	1,0	1,3	1,0	1,1	1,2	1,6	1,3	1,3	1,4	<b>12,3</b>
ELPEDISON_USP	1,1	0,9	1,0	0,7	0,7	0,8	1,8	1,7	1,4	1,3	<b>11,4</b>
HERON_USP	1,2	1,0	1,1	0,8	0,8	0,9	1,5	1,4	1,2	1,1	<b>11,0</b>
MARKOU	0,6	0,7	0,8	0,4	0,1	0,1	0,1	0,1	1,6	3,6	<b>8,0</b>
NRG_USP	0,5	0,4	0,4	0,3	0,3	0,3	1,0	1,0	0,8	0,8	<b>5,8</b>
VIOLAR	0,4	0,2	0,2	0,1	0,1	0,1	0,1	0,1	0,7	2,2	<b>4,1</b>
KOR_POWER	0,4	0,3	0,3	0,5	0,3	0,2	0,1	0,1	0,2	0,6	<b>3,1</b>
HERON2_V	0,5	0,3	0,0	0,6	0,3	0,2	0,1	0,0	0,1	0,2	<b>2,3</b>
GREEN	0,3	0,2	0,2								<b>0,7</b>
LRS	0,0	0,0	0,0	0,1	0,0	0,1	0,0	0,0	0,0	0,0	<b>0,2</b>
<b>TOTAL</b>	<b>4.714,8</b>	<b>4.040,6</b>	<b>4.537,2</b>	<b>3.563,8</b>	<b>3.739,0</b>	<b>4.158,0</b>	<b>4.864,4</b>	<b>4.515,1</b>	<b>3.799,4</b>	<b>3.530,3</b>	<b>41.462,6</b>



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 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	389,91	60,45%	325,86	36,20%	1.279,12	64,44%	1.994,88	56,51%
MYTILINEOS	182,83	28,35%	145,83	16,20%	126,34	6,36%	455,00	12,89%
HERON	4,38	0,68%	132,55	14,72%	126,51	6,37%	263,44	7,46%
ELPEDISON	66,80	10,36%	65,41	7,27%	97,55	4,91%	229,76	6,51%
NRG	0,10	0,02%	80,96	8,99%	85,24	4,29%	166,30	4,71%
VOLTERRA	0,21	0,03%	64,75	7,19%	18,31	0,92%	83,27	2,36%
ATTIKI GSC	0,00	0,00%	40,94	4,55%	41,44	2,09%	82,39	2,33%
WATT AND VOLT	0,00	0,00%	7,65	0,85%	59,91	3,02%	67,56	1,91%
ZENITH	0,00	0,00%	3,68	0,41%	61,15	3,08%	64,83	1,84%
VOLTION	0,00	0,00%	4,64	0,52%	31,62	1,59%	36,27	1,03%
PPC_USP	0,00	0,00%	0,00	0,00%	26,47	1,33%	26,47	0,75%
KEN	0,00	0,00%	2,61	0,29%	17,87	0,90%	20,48	0,58%
ELINOIL	0,00	0,00%	6,03	0,67%	1,86	0,09%	7,89	0,22%
VIENER	0,00	0,00%	6,26	0,70%	0,00	0,00%	6,26	0,18%
ELTA	0,00	0,00%	2,33	0,26%	3,66	0,18%	5,98	0,17%
EUNICE TRAD	0,01	0,00%	3,10	0,34%	2,03	0,10%	5,14	0,15%
MARKOU	0,00	0,00%	3,64	0,40%	0,00	0,00%	3,65	0,10%
VIOLAR	0,00	0,00%	2,20	0,24%	0,01	0,00%	2,20	0,06%
OTE	0,00	0,00%	1,01	0,11%	0,73	0,04%	1,74	0,05%
MYTILINEOS_USP	0,00	0,00%	0,00	0,00%	1,41	0,07%	1,41	0,04%
SOLAR ENERGY	0,00	0,00%	0,78	0,09%	0,59	0,03%	1,37	0,04%
ELPEDISON_USP	0,00	0,00%	0,00	0,00%	1,34	0,07%	1,34	0,04%
HERON_USP	0,00	0,00%	0,00	0,00%	1,13	0,06%	1,13	0,03%
NRG_USP	0,00	0,00%	0,00	0,00%	0,79	0,04%	0,79	0,02%
KOR_POWER	0,58	0,09%	0,00	0,00%	0,00	0,00%	0,58	0,02%
HERON2_V	0,16	0,03%	0,00	0,00%	0,00	0,00%	0,16	0,00%
<b>TOTAL</b>	<b>644,98</b>	<b>100,00%</b>	<b>900,21</b>	<b>100,00%</b>	<b>1.985,10</b>	<b>100,00%</b>	<b>3.530,29</b>	<b>100,00%</b>



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 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	582,29	1.632,02	742,33	1,34	1.196,56	410,06	0,00	2.957,98	4.154,54	4.564,60
FEB	517,47	860,84	864,36	1,12	894,19	461,75	0,00	2.243,79	3.137,98	3.599,73
MAR	644,07	1.341,46	275,24	1,18	858,81	556,62	0,00	2.261,95	3.120,76	3.677,38
APR	411,78	1.614,59	217,61	1,33	775,22	590,44	0,00	2.245,31	3.020,53	3.610,97
MAY	363,37	1.220,89	327,66	1,57	713,41	680,78	0,00	1.913,49	2.626,89	3.307,67
JUN	253,90	1.947,59	366,87	1,68	400,72	641,23	0,00	2.570,04	2.970,75	3.611,98
JUL	458,76	2.406,90	499,77	1,81	805,71	716,56	0,00	3.367,24	4.172,95	4.889,51
AUG	622,20	2.254,44	458,92	1,69	711,66	689,39	0,00	3.337,25	4.048,91	4.738,30
SEP	357,92	1.991,02	240,40	2,13	819,14	597,05	0,00	2.591,47	3.410,60	4.007,65
OCT	361,53	1.897,81	253,16	2,06	1.068,13	511,80	0,00	2.514,56	3.582,69	4.094,49
NOV	296,69	1.818,20	233,43	2,13	981,95	402,21	3,92	2.350,45	3.336,32	3.738,53
DEC	470,82	1.887,55	814,27	2,25	1.225,63	483,61	2,23	3.174,88	4.402,74	4.886,35
	<b>5.340,79</b>	<b>20.873,30</b>	<b>5.294,02</b>	<b>20,28</b>	<b>10.451,13</b>	<b>6.741,49</b>	<b>6,15</b>	<b>31.528,39</b>	<b>41.985,67</b>	<b>48.727,15</b>

**2022**

MONTH	LIGNITE	NATURAL GAS	HYDRO	OTHER FUEL	SYSTEM RES	NERWORK RES	CRETE INTERCONNECTION (RES)	CONVENTIONAL GENERATION	SYSTEM GENERATION	TOTAL GENERATION
JAN	509,09	1.566,93	682,67	2,20	986,99	544,04	2,33	2.760,90	3.750,21	4.294,25
FEB	412,58	1.483,14	205,77	2,03	874,82	532,60	1,47	2.103,53	2.979,82	3.512,42
MAR	671,61	2.070,20	337,68	2,03	1.016,52	670,52	1,30	3.081,53	4.099,35	4.769,86
APR	176,13	827,20	228,32	1,92	902,05	766,85	2,02	1.233,57	2.137,64	2.904,49
MAY	222,83	1.184,08	312,27	2,21	687,77	831,88	0,38	1.721,39	2.409,54	3.241,41
JUN	468,10	1.627,53	379,16	2,34	880,93	812,17	0,43	2.477,12	3.358,49	4.170,65
JUL	739,38	2.249,90	447,56	2,40	1.171,81	917,51	1,11	3.439,24	4.612,16	5.529,66
AUG	794,90	2.141,67	429,49	2,45	856,81	796,82	0,32	3.368,52	4.225,65	5.022,47
SEP	394,23	1.249,57	269,58	2,36	788,58	764,06	1,32	1.915,74	2.705,64	3.469,70
OCT	277,41	793,12	207,13	2,49	1.148,21	736,29	3,81	1.280,15	2.432,17	3.168,46
NOV										
DEC										
	<b>4.666,26</b>	<b>15.193,35</b>	<b>3.499,64</b>	<b>22,43</b>	<b>9.314,49</b>	<b>7.372,73</b>	<b>14,49</b>	<b>23.381,68</b>	<b>32.710,65</b>	<b>40.083,38</b>



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 2.2 Analysis of Conventional Generation per Producer (GWh/%)

PRODUCER	NET GENERATION (GWh)	NET GENERATION (%)	NET CAPACITY (MW)	NET CAPACITY (%)
PPC	878,56	65,14%	8.058,86	75,75%
HERON2_V	134,89	10,00%	422,14	3,97%
ELPEDISON	126,70	9,39%	810,18	7,62%
KOR_POWER	105,81	7,85%	433,46	4,07%
MYTILINEOS	101,52	7,53%	766,70	7,21%
HERON	1,23	0,09%	147,76	1,39%
<b>TOTAL</b>	<b>1.348,72</b>	<b>100,00%</b>	<b>10.639,11</b>	<b>100,00%</b>

## 2.3 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	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	<b>14.916,0</b>
ELPEDISON	257,0	278,9	350,4	220,7	160,2	282,4	357,0	373,7	160,9	126,7	<b>2.567,8</b>
MYTILINEOS	293,3	240,2	310,2	124,9	198,7	318,9	380,0	373,0	183,7	101,5	<b>2.524,3</b>
HERON 2 VIOTIAS	132,5	146,4	247,8	106,4	161,8	172,0	230,4	243,2	206,8	134,9	<b>1.782,1</b>
KORINTHOS POWER	177,3	167,0	186,1	41,1	170,4	199,8	229,2	240,2	194,9	105,8	<b>1.711,7</b>
LIG. MEGALOPOLIS	86,2	105,7	122,1	0,0	33,3	4,0					<b>351,2</b>
LIG. MELITIS	94,8	61,6	70,4	0,0	28,9	0,0					<b>255,8</b>
HERON	0,4	0,1	3,7	0,0	0,0	0,1	0,6	0,1	0,1	1,2	<b>6,3</b>
<b>TOTAL</b>	<b>2.839,3</b>	<b>2.167,3</b>	<b>3.152,4</b>	<b>1.294,0</b>	<b>1.788,3</b>	<b>2.555,0</b>	<b>3.535,3</b>	<b>3.449,4</b>	<b>1.985,5</b>	<b>1.348,7</b>	<b>24.115,3</b>



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 2.4 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	12,21	5,99%
AGIOS DIMITRIOS3	PPC	LIGNITE	283,00	36,75	17,45%
AGIOS DIMITRIOS4	PPC	LIGNITE	283,00	20,31	9,65%
AGIOS DIMITRIOS5	PPC	LIGNITE	342,00	168,94	66,40%
MEGALOPOLI3	PPC	LIGNITE	255,00	0,00	0,00%
MEGALOPOLI4	PPC	LIGNITE	256,00	39,19	20,58%
MELITI	PPC	LIGNITE	289,00	0,00	0,00%
AGRAS	PPC	HYDRO	50,00	2,05	5,50%
AOOS	PPC	HYDRO	210,00	10,99	7,03%
ASOMATA	PPC	HYDRO	108,00	6,23	7,75%
EDESSAIOS	PPC	HYDRO	19,00	1,68	11,91%
ILARIONAS	PPC	HYDRO	153,00	4,51	3,96%
KASTRAKI	PPC	HYDRO	320,00	30,36	12,75%
KREMASTA	PPC	HYDRO	437,20	45,77	14,07%
LADONAS	PPC	HYDRO	70,00	8,64	16,60%
PLASTIRAS	PPC	HYDRO	129,90	2,23	2,31%
PLATANOVRYSI	PPC	HYDRO	116,00	10,62	12,30%
POLYFYTO	PPC	HYDRO	375,00	17,17	6,15%
POURNARI1	PPC	HYDRO	300,00	5,54	2,48%
POURNARI2	PPC	HYDRO	33,60	0,58	2,33%
SFIKIA	PPC	HYDRO	315,00	19,33	8,25%
STRATOS1	PPC	HYDRO	150,00	13,05	11,69%
THESAVROS	PPC	HYDRO	384,00	28,40	9,94%
ALIVERI5	PPC	NATURAL GAS	417,00	134,07	43,21%
ALOUMINIO	MYTILINEOS	NATURAL GAS	334,00	101,52	40,85%
ELPEDISON THESS	ELPEDISON	NATURAL GAS	400,18	98,90	33,22%
ELPEDISON THISVI	ELPEDISON	NATURAL GAS	410,00	27,80	9,11%
HERON CC	HERON2_V	NATURAL GAS	422,14	134,89	42,95%
KOMOTINI	PPC	NATURAL GAS	476,30	8,35	2,36%
KORINTHOS POWER	KOR_POWER	NATURAL GAS	433,46	105,81	32,81%
LAVRIO4	PPC	NATURAL GAS	550,20	30,04	7,34%
LAVRIO5	PPC	NATURAL GAS	377,66	0,00	0,00%
MEGALOPOLIS	PPC	NATURAL GAS	811,00	221,57	36,72%
PROTERGIA CC	MYTILINEOS	NATURAL GAS	432,70	0,00	0,00%
HERON1	HERON	NATURAL GAS	49,25	0,43	1,17%
HERON2	HERON	NATURAL GAS	49,25	0,57	1,55%
HERON3	HERON	NATURAL GAS	49,25	0,23	0,64%
<b>TOTAL</b>			<b>10.639,11</b>	<b>1.348,72</b>	<b>17,04%</b>

### Notes

- Generation refers to the injection point in the System.
- Generation for the 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.



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 2.5 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					30,04	928	<b>30,04</b>	<b>928</b>
CENTRAL GREECE	89,18	907			265,44	1.747	<b>354,62</b>	<b>2.654</b>
CENTRAL MACEDONIA	46,46	867			98,90	400	<b>145,35</b>	<b>1.267</b>
EAST MACEDONIA - THRACE	39,01	500			8,35	476	<b>47,36</b>	<b>976</b>
EPIRUS	17,11	544					<b>17,11</b>	<b>544</b>
EVIA					134,07	417	<b>134,07</b>	<b>417</b>
PELOPONNESE	8,64	70	39,19	511	327,38	1.244	<b>375,22</b>	<b>1.825</b>
THESSALY	2,23	130					<b>2,23</b>	<b>130</b>
WEST MACEDONIA	4,51	153	238,22	1.745			<b>242,72</b>	<b>1.898</b>
<b>TOTAL</b>	<b>207,13</b>	<b>3.171</b>	<b>277,41</b>	<b>2.256</b>	<b>864,18</b>	<b>5.212</b>	<b>1.348,72</b>	<b>10.639</b>

### 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).

## 2.6 Geographical Distribution of System RES Generation

RES TECHNOLOGY AREA	CO-GENERATION		PHOTOVOLTAIC		SMALL HYDRO		WIND		TOTAL	
	NET GENERATION (GWh)	NET CAPACITY (MW)								
ATTICA							53,83	148	<b>53,83</b>	<b>148</b>
CENTRAL GREECE	71,07	133	10,01	63	4,09	20	334,78	1.319	<b>419,95</b>	<b>1.535</b>
CENTRAL MACEDONIA	3,40	16	3,34	29	1,21	11	19,47	127	<b>27,42</b>	<b>182</b>
CYCLADES							5,64	15	<b>5,64</b>	<b>15</b>
EAST MACEDONIA - THRACE	4,79	18					126,35	518	<b>131,14</b>	<b>535</b>
EPIRUS							19,94	104	<b>19,94</b>	<b>104</b>
EVIA							248,80	677	<b>248,80</b>	<b>677</b>
IONIAN ISLANDS							12,40	93	<b>12,40</b>	<b>93</b>
PELOPONNESE			6,58	47			153,22	705	<b>159,80</b>	<b>751</b>
THESSALY			6,26	48	0,00	6			<b>6,26</b>	<b>54</b>
WEST MACEDONIA			40,36	274			22,68	167	<b>63,04</b>	<b>442</b>
<b>TOTAL</b>	<b>79,25</b>	<b>167</b>	<b>66,55</b>	<b>461</b>	<b>5,30</b>	<b>37</b>	<b>997,11</b>	<b>3.873</b>	<b>1.148,21</b>	<b>4.537</b>

### 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.



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 2.7 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
<b>TOTAL</b>	<b>4.754,055</b>	<b>8.409,468</b>	<b>3.655,413</b>

**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			
DEC			
<b>TOTAL</b>	<b>4.402,381</b>	<b>7.314,879</b>	<b>2.912,498</b>

## 2.8 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
<b>TOTAL</b>	<b>3.897,691</b>	<b>7.581,057</b>	<b>3.683,366</b>

**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			
DEC			
<b>TOTAL</b>	<b>3.645,920</b>	<b>6.480,116</b>	<b>2.834,196</b>



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 2.9 Commercial Programs of Imports per Border (GWh)

<b>2021</b>	<b>INTERCONNECTION</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>TOTAL</b>
	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	<b>1.594,592</b>
	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	<b>3.657,587</b>
	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	<b>626,971</b>
	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	<b>1.944,090</b>
	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	<b>586,228</b>
	<b>TOTAL</b>	<b>500,909</b>	<b>799,830</b>	<b>863,418</b>	<b>628,443</b>	<b>722,757</b>	<b>747,669</b>	<b>858,307</b>	<b>791,192</b>	<b>682,957</b>	<b>538,387</b>	<b>758,753</b>	<b>516,846</b>	<b>8.409,468</b>

<b>2022</b>	<b>INTERCONNECTION</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>TOTAL</b>
	ALBANIA	147,490	163,144	60,643	228,934	194,236	74,000	26,647	10,632	126,065	191,501	<b>1.223,292</b>
	BULGARIA	374,953	337,030	264,373	360,108	290,351	293,137	177,270	144,613	313,673	252,121	<b>2.807,629</b>
	ITALY	210,696	197,158	86,204	163,501	102,648	12,128	16,427	4,579	119,173	205,583	<b>1.118,097</b>
	N. MACEDONIA	220,180	216,560	95,520	228,066	264,194	141,547	116,238	103,183	226,724	203,987	<b>1.816,199</b>
	TURKEY	37,194	33,600	37,148	29,988	37,200	35,996	37,180	37,179	29,949	34,228	<b>349,662</b>
	<b>TOTAL</b>	<b>990,513</b>	<b>947,492</b>	<b>543,888</b>	<b>1.010,597</b>	<b>888,629</b>	<b>556,808</b>	<b>373,762</b>	<b>300,186</b>	<b>815,584</b>	<b>887,420</b>	<b>7.314,879</b>

## 2.10 Commercial Programs of Exports per Border (GWh)

<b>2021</b>	<b>INTERCONNECTION</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>TOTAL</b>
	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	<b>1.077,041</b>
	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	<b>562,661</b>
	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	<b>1.973,979</b>
	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	<b>1.104,529</b>
	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	<b>35,845</b>
	<b>TOTAL</b>	<b>603,121</b>	<b>361,974</b>	<b>333,074</b>	<b>433,611</b>	<b>270,759</b>	<b>107,078</b>	<b>108,866</b>	<b>200,692</b>	<b>573,718</b>	<b>655,357</b>	<b>413,115</b>	<b>692,690</b>	<b>4.754,055</b>

<b>2022</b>	<b>INTERCONNECTION</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>TOTAL</b>
	ALBANIA	134,757	94,445	171,319	14,096	24,992	153,110	253,443	231,197	111,455	61,192	<b>1.250,006</b>
	BULGARIA	27,739	18,184	49,339	4,476	12,095	24,192	90,280	106,816	40,785	59,353	<b>433,259</b>
	ITALY	115,453	106,567	267,077	150,359	155,526	102,163	351,200	169,480	162,610	163,037	<b>1.743,472</b>
	N. MACEDONIA	120,530	50,250	123,900	20,503	21,604	110,797	183,747	181,076	49,499	50,207	<b>912,113</b>
	TURKEY	2,265	0,023	0,485	1,562	0,028	1,384	0,849	0,315	1,225	55,395	<b>63,531</b>
	<b>TOTAL</b>	<b>400,744</b>	<b>269,469</b>	<b>612,120</b>	<b>190,996</b>	<b>214,245</b>	<b>391,646</b>	<b>879,519</b>	<b>688,884</b>	<b>365,574</b>	<b>389,184</b>	<b>4.402,381</b>



At a glance



Energy Balance



Demand



Generation



Interconnections



Annex

&lt; &gt;

MONTHLY ENERGY BULLETIN | October 2022 | 2nd VERSION

## 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

Developed by

Market Management Department  
Branch of Market Design & Monitoring

 MarketDesign@admie.gr



 Dyrrachiou 89 & Kifissou, 104 43 Athens  
 +30 210-5192101  
 +30 210-5192324  
 info@admie.gr