

**ADVANCE**



# Statistical bulletin

## October 2020

Technical Management of the System

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# Content

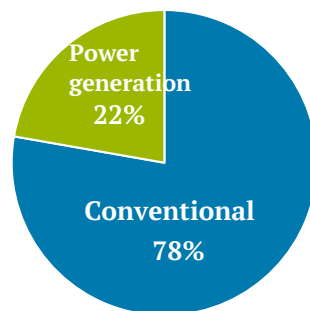
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- 1. Evolution of gas demand**
  - 1. Conventional demand**
  - 2. Power generation**
  - 3. CCAA**
2. Demand coverage
  1. Origin of supplies
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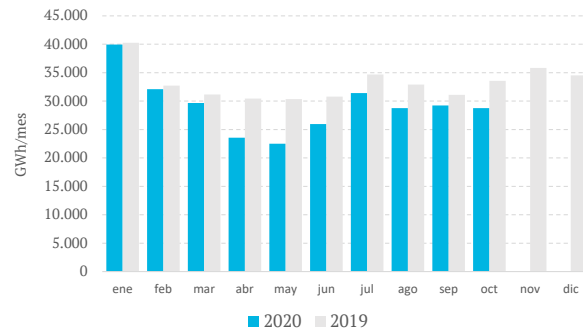
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Oct-2020	%Δ s/Oct 2019	Jan-Oct 2020	%Δ s/2019	MAT: Nov 2019-Oct 2020	%Δ MAT vs 2019
<b>National Market demand</b>	<b>28.759</b>	<b>-14,3%</b>	<b>291.787</b>	<b>-11,0%</b>	<b>362.133</b>	<b>-9,1%</b>
Conventional	22.363	3,0%	216.420	-6,4%	272.047	-5,2%
Power generation	6.396	-46,1%	75.367	-22,0%	90.086	-19,1%
<b>International Market demand</b>	<b>2.546</b>	<b>&gt;100%</b>	<b>10.806</b>	<b>62,0%</b>	<b>16.350</b>	<b>33,8%</b>
International connections exports	2.513	>100%	10.066	59,7%	15.514	32,0%
LNG Vessel loading	34	<100%	740	99,8%	836	79,4%
<b>TOTAL</b>	<b>31.306</b>	<b>-8,3%</b>	<b>302.593</b>	<b>-9,6%</b>	<b>378.483</b>	<b>-7,8%</b>

National market demand October 2020

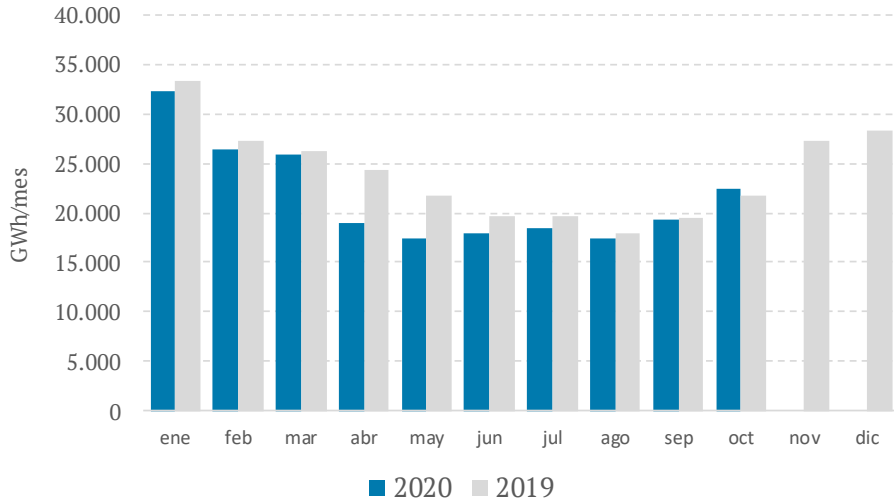


Total Demand

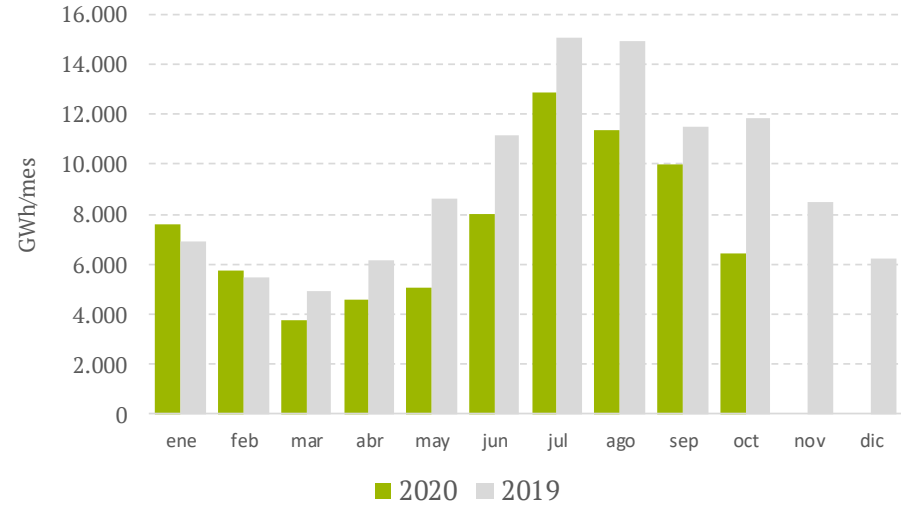


# 1. Evolution of gas demand

## Conventional Demand



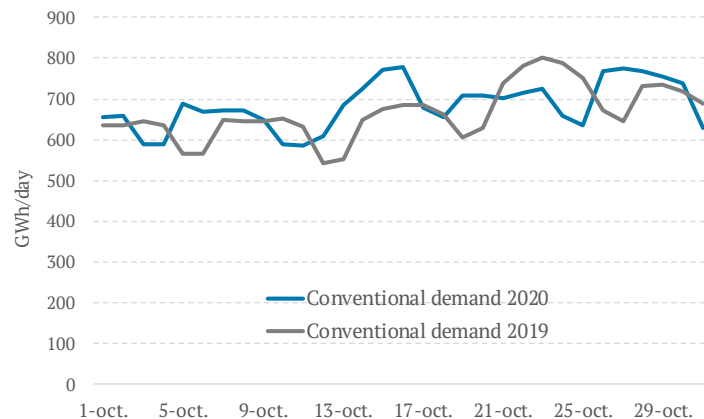
## Power Generation



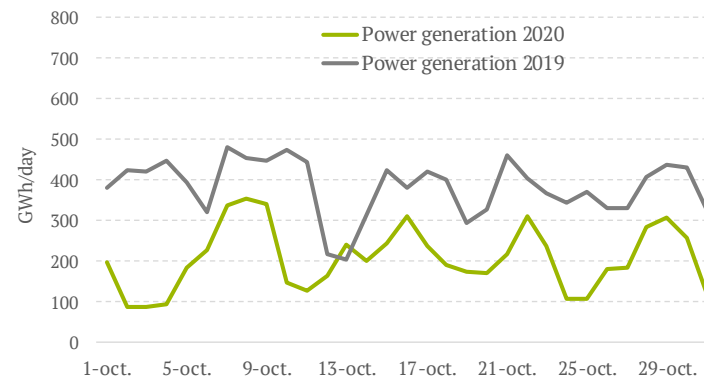
# 1. Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION	
	Oct-2020	%Δ s/Oct 2019	Oct-2020	%Δ s/Oct 2019
CATALUÑA	3.790	0,7%	1.233	-12,9%
ANDALUCIA	2.458	-10,1%	1.189	-62,2%
VALENCIA	2.597	2,6%	626	-18,1%
PAIS_VASCO	1.975	9,4%	286	-77,1%
MURCIA	1.335	14,9%	871	-35,6%
CASTILLA_LEON	1.728	5,4%	0	
ARAGON	1.270	5,0%	181	-64,1%
GALICIA	1.012	-1,0%	402	-52,3%
CASTILLA_MANCHA	1.096	5,4%	278	-23,6%
MADRID	1.839	16,1%	0	
ASTURIAS	604	5,6%	448	-45,3%
NAVARRA	550	14,0%	292	-63,8%
CANTABRIA	419	-27,7%	0	
LA RIOJA	327	8,7%	222	-36,7%
EXTREMADURA	162	10,2%	0	
BALEARES	44	-43,8%	369	51,0%

## Conventional demand daily evolution



## Power generation daily evolution



# 1.1 Conventional demand

## Demand



Conventional market

**+3,0%**

More than the previous year

## Temperatures



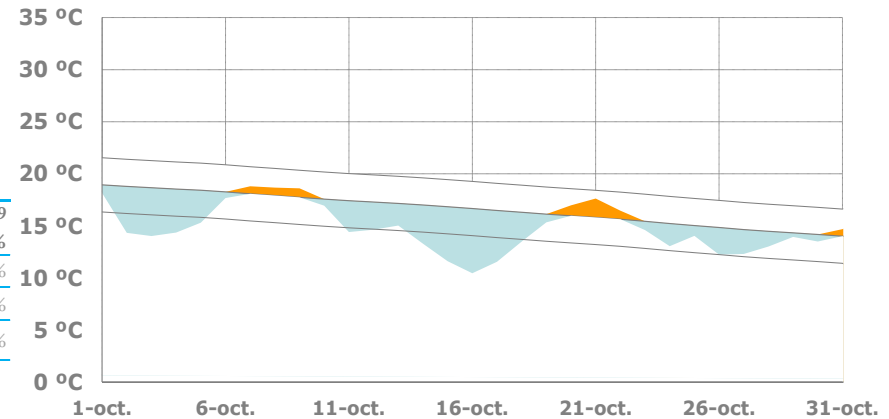
**-2,4°C**

Colder than the previous year

## Calendar and temperature correction

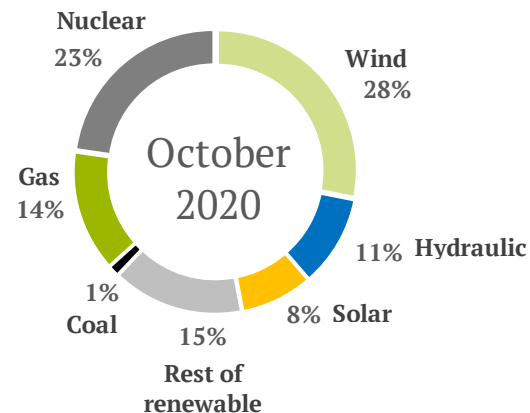
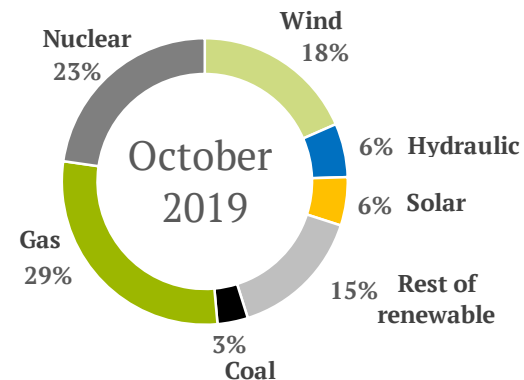
Demand	Conventional demand		Accumulated		MAT	
	October 2020 (*)		January-October 2020		November 19- October 20	
	GWh	%20 s/19	GWh	%20 s/19	GWh	% TAM s/19
Calendar	22.363	3,0%	216.420	-6,4%	272.047	-5,2%
Temperature		-5,4%		0,0%		0,6%
Amended demand		4,4%		-1,4%		-1,1%
		4,1%		-5,1%		-4,7%

\* The sum of the correction factors is equal to % of total demand



# 1.2 Power generation– electricity generation mix

TWh (e)	Oct 2019	Oct 2020
<b>Power generation</b>	20,2	19,6
Wind	3,7	5,6
Hydraulic	1,2	2,1
Solar	1,1	1,7
Rest of renewable	3,0	3,0
Cogeneration	2,5	2,4
Others	0,5	0,6
<b>Thermal Gap</b>	6,4	3,0
Coal	0,7	0,2
Gas	5,7	2,8
% gas in TG	89%	92%
Nuclear	4,5	4,5
<b>International balances</b>	0,6	0,1
	import	import

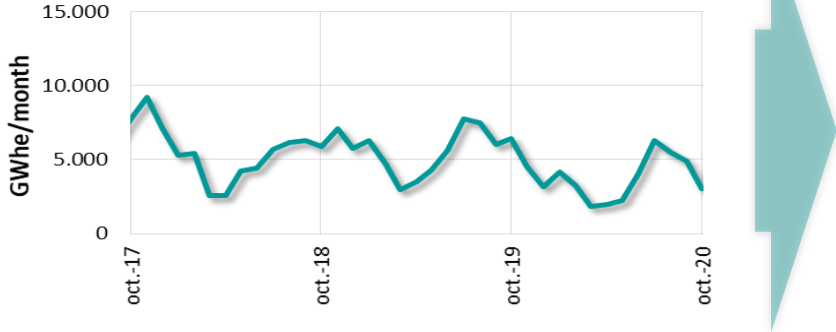


# 1.2 Power generation – Thermal Gap evolution

## Thermal Gap

**-53%**

Than the previous year



## %GAS/COAL



■ Generation gas mix

**-94** GWh(e)/day

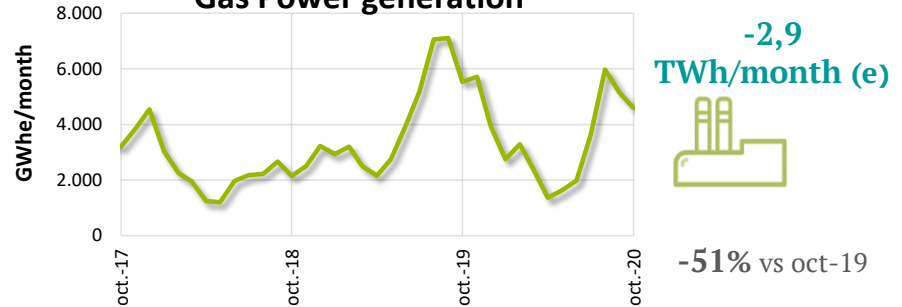
■ Generation coal mix

**-14** GWh(e)/day

## Coal



## Gas Power generation





# Content

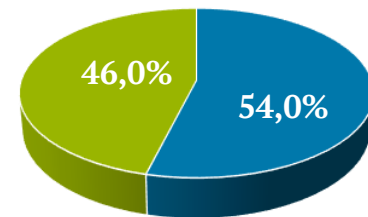
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## 2.1 Demand coverage: Origin of supplies

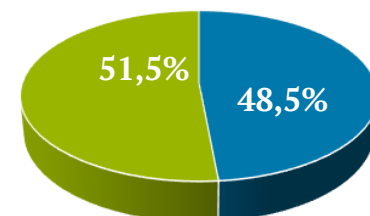
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)	
		Oct-2020	Oct-2019	Jan-Oct 2020	% s TOTAL	MAT: Nov 2019-Oct 2020	% s TOTAL
Algeria	NG	14.755	13.024	73.423	25,9%	103.950	29,2%
	LNG	496	1.708	4.081		4.081	
France	NG	725	5.111	27.535	9,8%	29.657	8,5%
	LNG	0	0	1.804		1.804	
Angola	LNG	0	0	4.056	1,4%	4.056	1,1%
Cameroon	LNG	0	0	0	0,0%	0	0,0%
United States	LNG	4.495	5.265	50.876	17,0%	63.961	17,3%
Equatorial Guinea	LNG	866	0	8.599	2,9%	9.574	2,6%
Nigeria	LNG	2.680	2.962	33.286	11,1%	40.680	11,0%
Norway	LNG	0	929	5.520	1,8%	6.446	1,7%
Peru	LNG	0	3.178	1.875	0,6%	2.841	0,8%
Qatar	LNG	880	2.155	30.493	10,2%	35.860	9,7%
Russia	LNG	3.066	3.151	32.173	10,8%	36.590	9,9%
Trinidad	LNG	777	0	22.366	7,5%	26.584	7,2%
Oman	LNG	0	0	0	0,0%	0	0,0%
Belgium	LNG	0	0	0	0,0%	0	0,0%
Argentina	LNG	0	0	1.691	0,6%	1.691	0,5%
Egypt	LNG	0	0	968	0,3%	968	0,3%
National deposits	NG	49	82	391	0,1%	549	0,1%
National Biogas	NG	7	6	85	0,0%	100	0,0%
<b>10 TOTAL</b>		<b>28.796</b>	<b>37.573</b>	<b>299.221</b>	<b>100%</b>	<b>369.392</b>	<b>100%</b>

October 2020



■ Total NG ■ Total LNG

October 2019

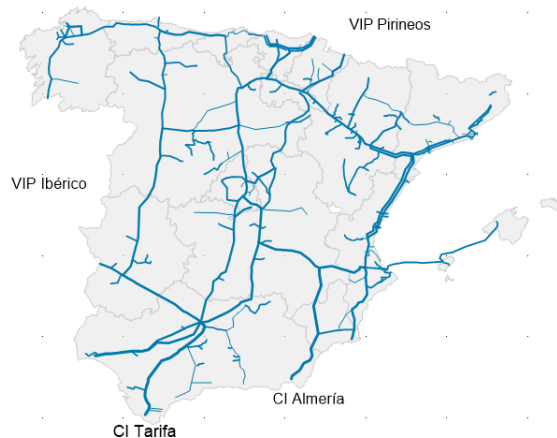
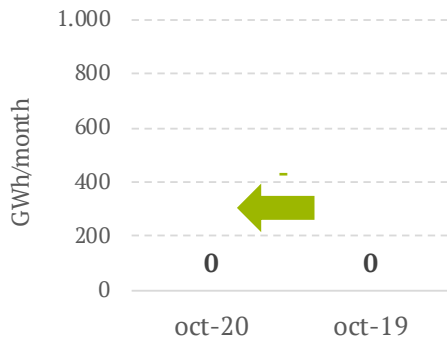


■ Total NG ■ Total LNG

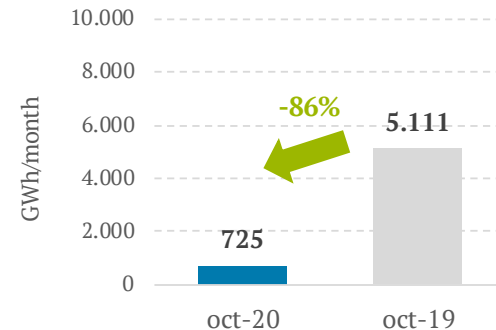
(\*) SL-ATR distribution data

## 2.2 Demand coverage : Interconnection Points

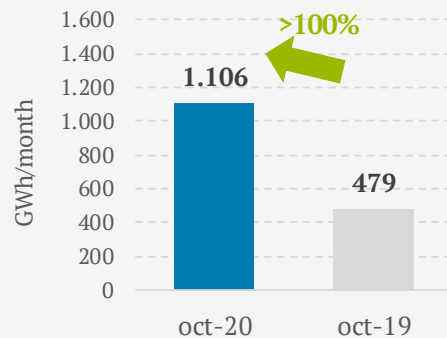
### VIP IBÉRICO (imports)



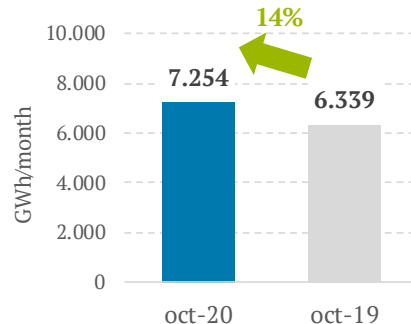
### VIP PIRINEOS (imports)



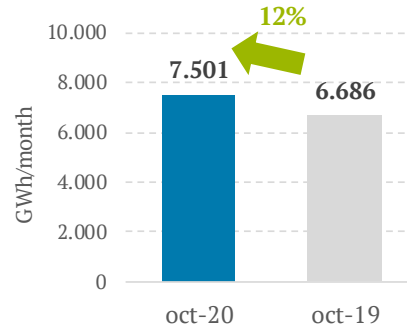
### VIP IBÉRICO (exports)



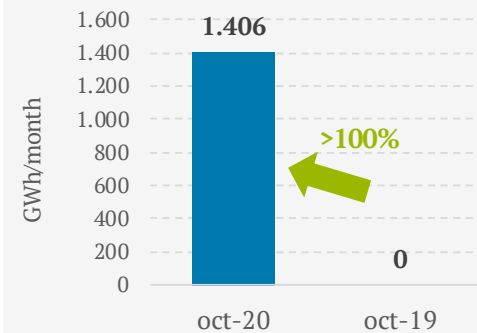
### TARIFA



### ALMERÍA



### VIP PIRINEOS (exports)



## 2.2 Demand coverage : Interconnection Points

### Net Balances (\*)

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Oct-2020	Oct-2019	%Δ s/2019	Jan-Oct 2020	%Δ s/2019	MAT: Nov 2019-Oct 2020	%Δ MAT vs 2019
Tarifa	7.254	6.339	14,4%	27.466	-35,3%	42.666	-26,0%
Almería	7.501	6.686	12,2%	45.957	-13,8%	61.283	-10,7%
VIP Ibérico	-1.106	-479	>100%	-3.627	-16,0%	-4.633	-13,0%
VIP Pirineos	-681	5.111	<100%	22.592	-51,7%	20.545	-54,1%
National Deposits	49	82	-40,7%	391	-67,3%	549	-59,5%
Biogas	7	6	9,6%	83	6,1%	100	5,0%
<b>Total</b>	<b>13.024</b>	<b>17.745</b>	<b>-26,6%</b>	<b>92.862</b>	<b>-33,4%</b>	<b>120.511</b>	<b>-27,9%</b>

(+) Entry flows (-) Exit flows

(\*) SL-ATR distribution data

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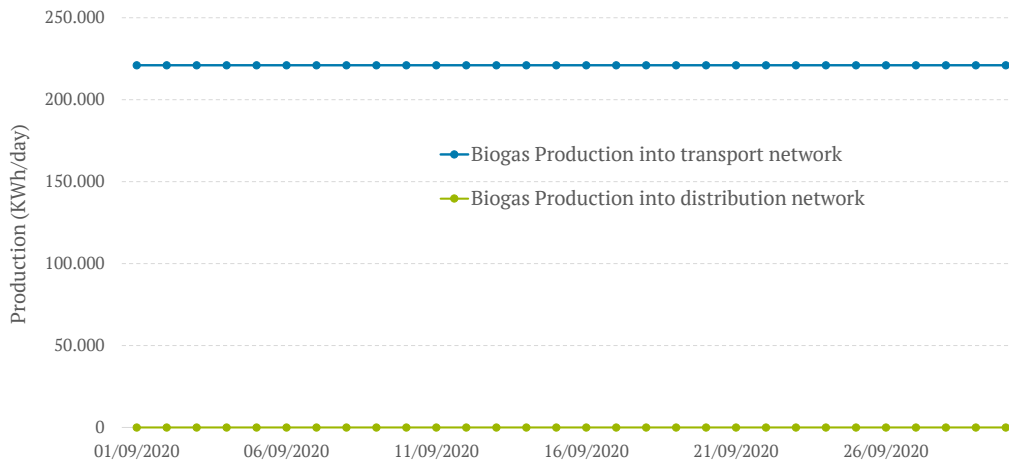
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### 3. Renewable gases

#### BIOGAS production for transport and distribution network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Oct-2020	Oct-2020	%Δ s/2019	Jan-Oct 2020	%Δ s/2019	MAT: Nov 2019-Oct 2020	%Δ s/2019
BIOGÁS injected into transport network	6,9	6,3	9,6%	82,8	6,1%	99,8	5,0%
BIOGÁS injected into distribution network	0,04	0,2	-82,1%	2,1	>100%	2,6	>100%
<b>Total</b>	<b>6,9</b>	<b>6,5</b>	<b>6,5%</b>	<b>84,9</b>	<b>8,4%</b>	<b>102,5</b>	<b>6,9%</b>



(\*) SL-ATR distribution data

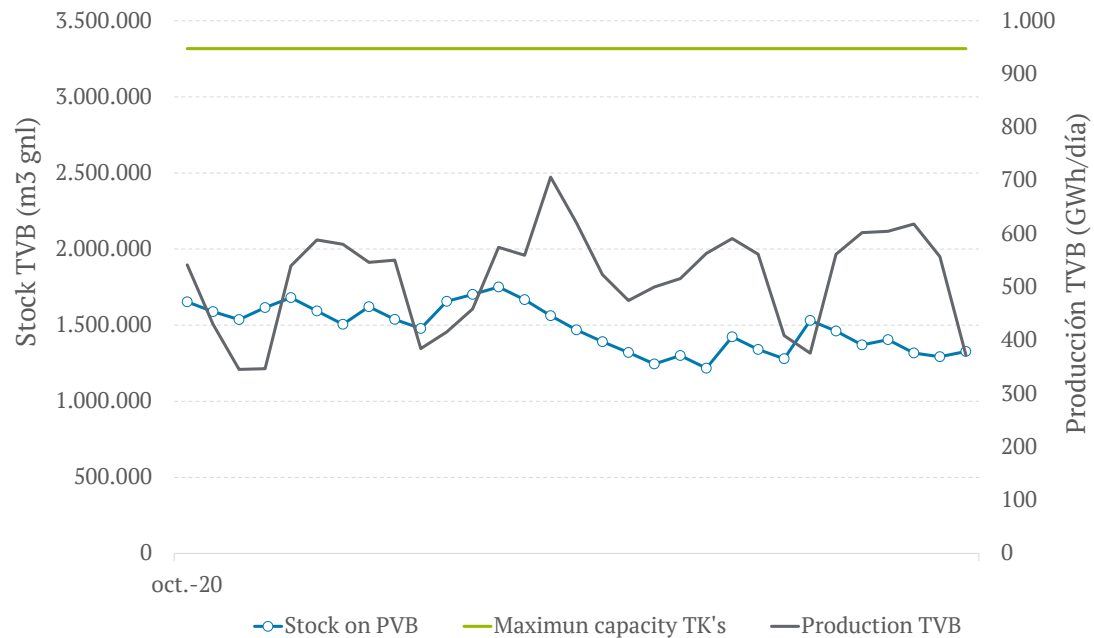
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## 4. TVB activity

### TVB Stock evolution and TVB production



#### October 2020

GWh/month

Total capacity	59.365
Contracted capacity TVB	19.053
Available capacity	40.312
Commercial regasification	15.344



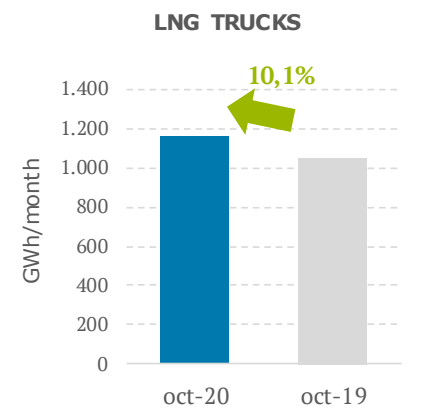
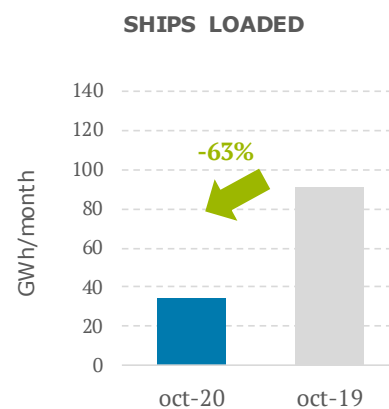
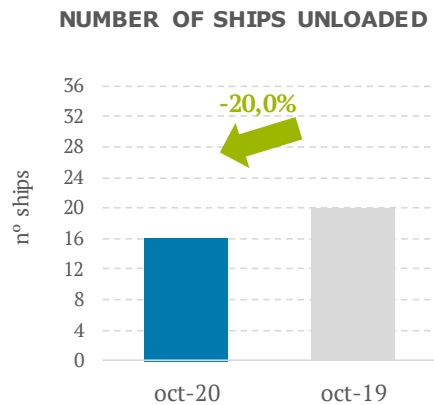
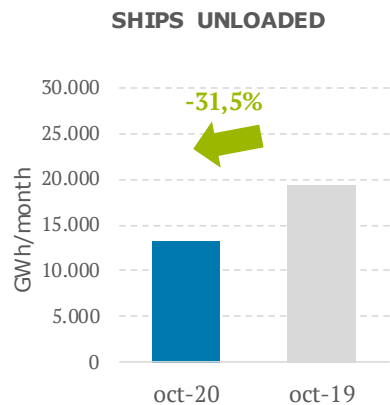
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# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Oct-2020	Oct-2019	%Δ s/Oct 2019	Oct-2020	Oct-2019	%Δ s/Oct 2019	Oct-2020	Oct-2019	%Δ s/Oct 2019	Oct-2020	Oct-2019	%Δ s/Oct 2019
BARCELONA	880	2.723	-67,7%	1	3	-66,7%	34	45	-25%	283	269	5,3%
HUELVA	4.080	5.891	-30,7%	6	6	0,0%	0	46	-100%	247	223	10,4%
CARTAGENA	2.755	1.197	>100%	3	1	>100%	0	0	-	233	219	6,6%
BILBAO	3.059	6.000	-49,0%	3	6	-50,0%	0	0	-	108	111	-2,5%
SAGUNTO	496	1.564	-68,3%	1	2	-50,0%	0	0	-	176	124	41,6%
MUGARDOS	1.989	1.973	0,8%	2	2	0,0%	0	0	-	111	106	4,9%
<b>Total</b>	<b>13.260</b>	<b>19.349</b>	<b>-31,5%</b>	<b>16</b>	<b>20</b>	<b>-20,0%</b>	<b>34</b>	<b>91</b>	<b>-63%</b>	<b>1.158</b>	<b>1.052</b>	<b>10,1%</b>



(\*) SL-ATR distribution data

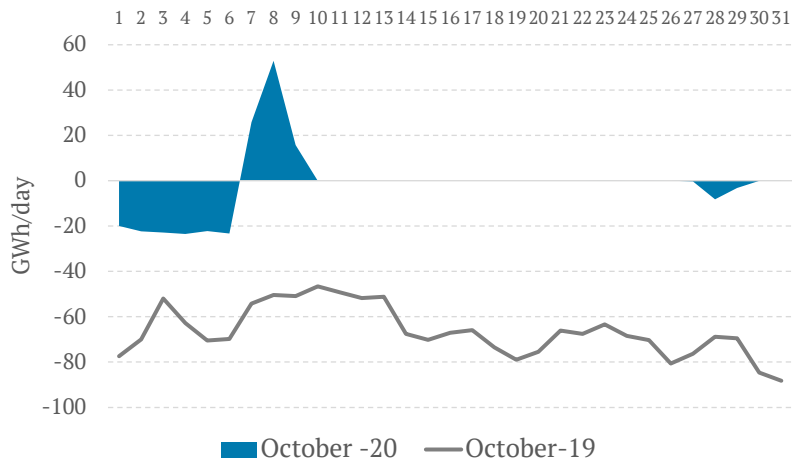
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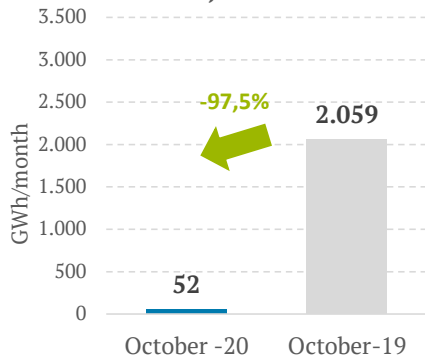
# 6. UGS Activity

## Daily injection October 2020 vs October 2019

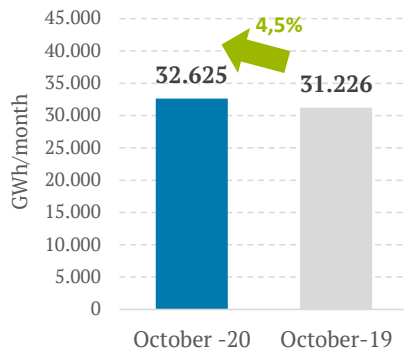


■ October -20    — October -19

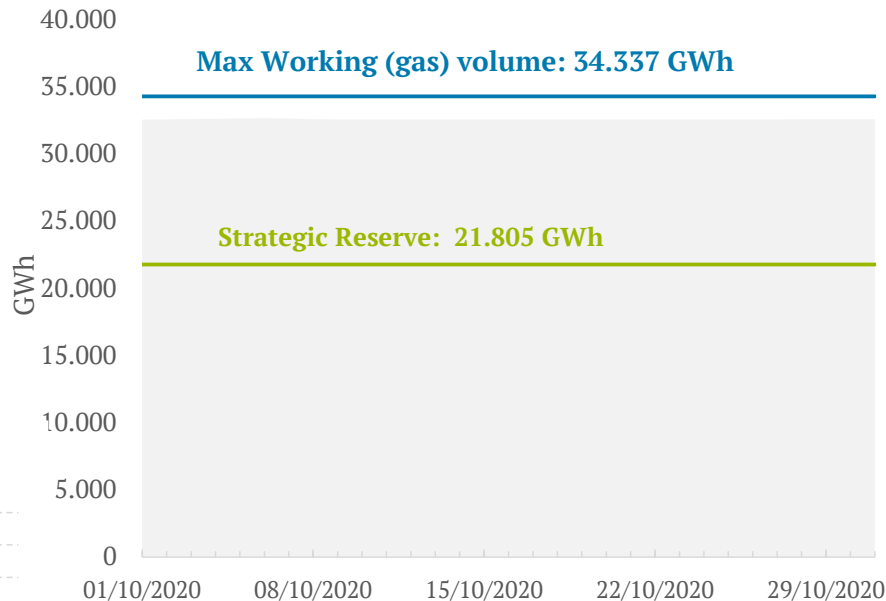
### Injection



### Working (gas) volumes



## Working (gas) evolution



(\*) SL-ATR distribution data

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## 7. Operating notes and other relevant facts

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### Operating notes:

In October 2020, **two Operation notes** have been published

#### Gas system operation and programming

##### Operation notes

The operating notes are available on this page



### Relevant facts:

- No relevant facts have been produced this month

Thank you

