

# Statistical bulletin

December 2021

**AVANCE**

Technical Management of the System

[GTS\\_DEMANDA@enagas.es](mailto:GTS_DEMANDA@enagas.es)

January-22





## 1. Evolution of gas demand

1. Conventional demand
2. Power generation
3. CCAA

## 2. Demand coverage

1. Origin of supplies
2. Interconnection Points

## 3. Renewable gases

## 4. TVB activity

## 5. Regasification Plants activity

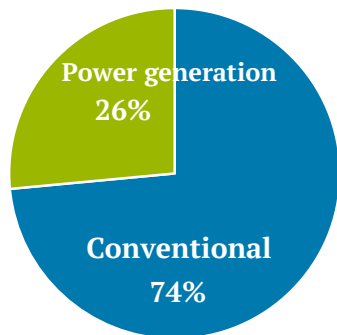
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

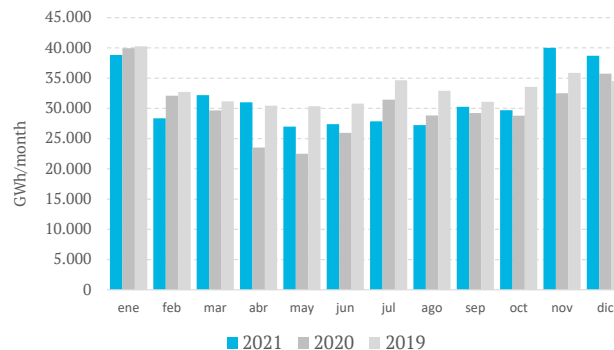
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Dec-2021	%Δ s/2020	Jan-Dec 2021	%Δ s/2020	MAT: Jan 2020-Dec 2021	%Δ MAT vs 2020
<b>National Market demand</b>	<b>38.698</b>	<b>8,3%</b>	<b>378.502</b>	<b>5,1%</b>	<b>378.502</b>	<b>5,1%</b>
Conventional	28.447	-4,2%	288.148	6,2%	288.148	6,2%
Power generation	10.251	69,8%	90.354	1,6%	90.354	1,6%
<b>International Market demand</b>	<b>1.902</b>	<b>&gt;100%</b>	<b>35.924</b>	<b>176,6%</b>	<b>35.924</b>	<b>176,6%</b>
International conexions exports	896	33,9%	18.761	56,3%	18.761	56,3%
LNG Vessel loading	1.006	>100%	17.163	>100%	17.163	>100%
<b>TOTAL</b>	<b>40.600</b>	<b>11,4%</b>	<b>414.426</b>	<b>11,1%</b>	<b>414.426</b>	<b>11,1%</b>

National market demand December 2021

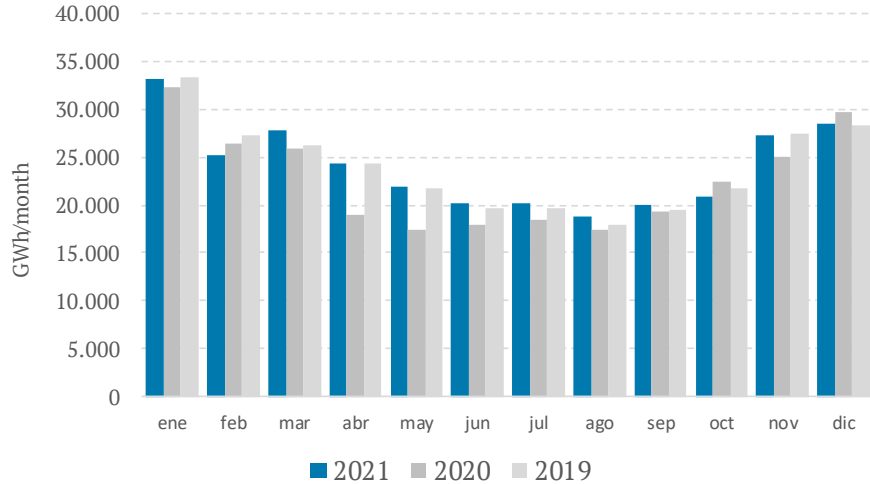


Total Demand

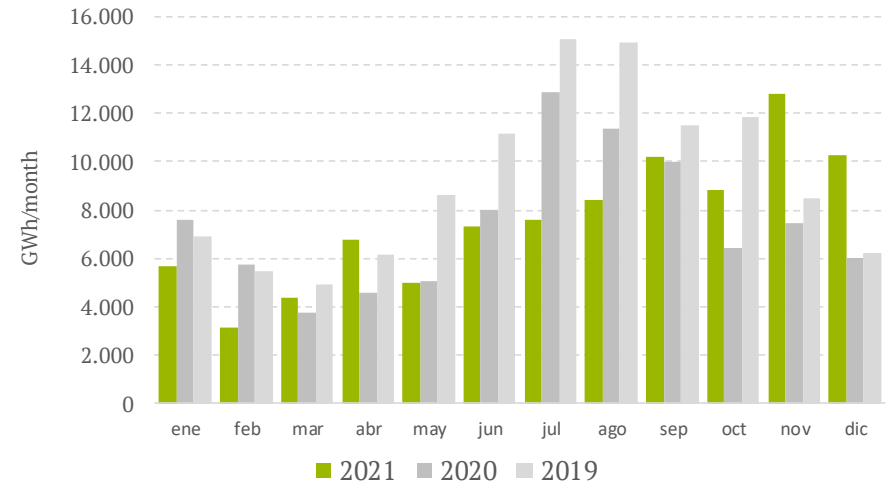


# 1. Evolution of gas demand

## Conventional Demand



## Power Generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**-4,2%**

Less than the previous year

Temperatures

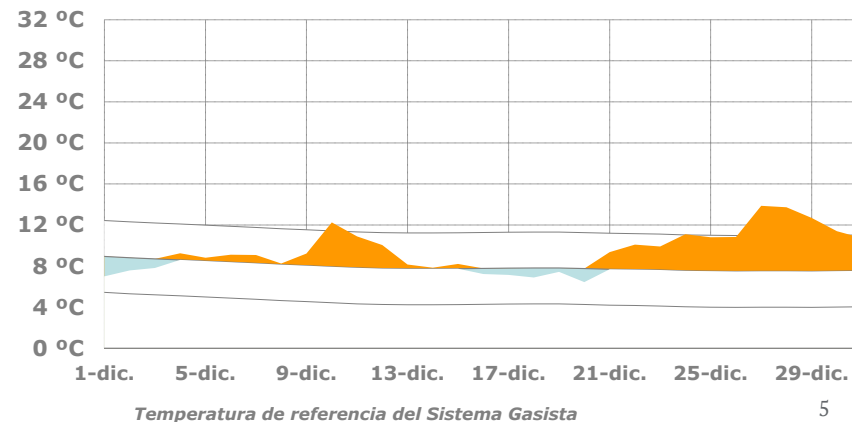
**+1,2°C**

More than the previous year

## Corrección laboralidad y temperatura

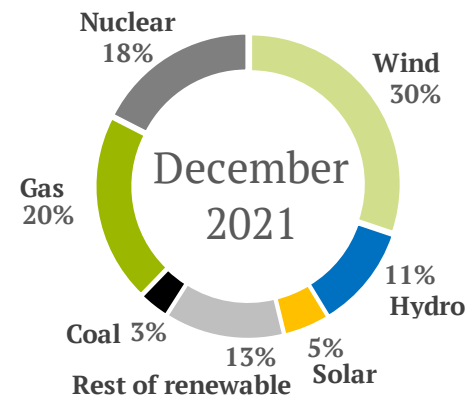
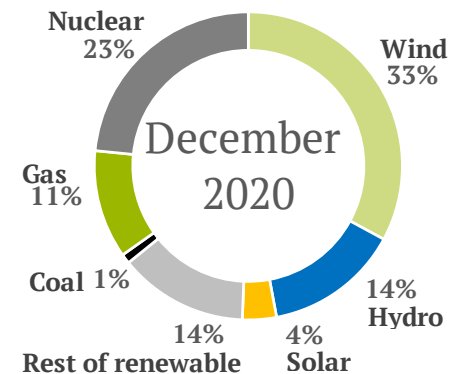
Demand	Conventional demand		Accumulated		MAT	
	Dec 2021 (*)	%21 s/20	Dec 2021	%21 s/20	Jan 2021-Dec 2021	% TAM s/20
	<b>28.447</b>	<b>-4,2%</b>	<b>288.148</b>	<b>6,2%</b>	<b>288.148</b>	<b>6,2%</b>
Calendar		0,0%		0,0%		0,0%
Temperature		-3,2%		1,4%		1,4%
Amended demand		-1,1%		4,8%		4,8%

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

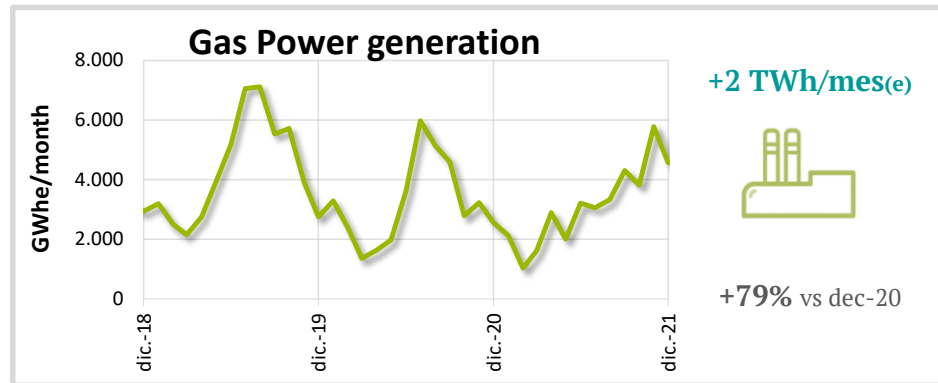
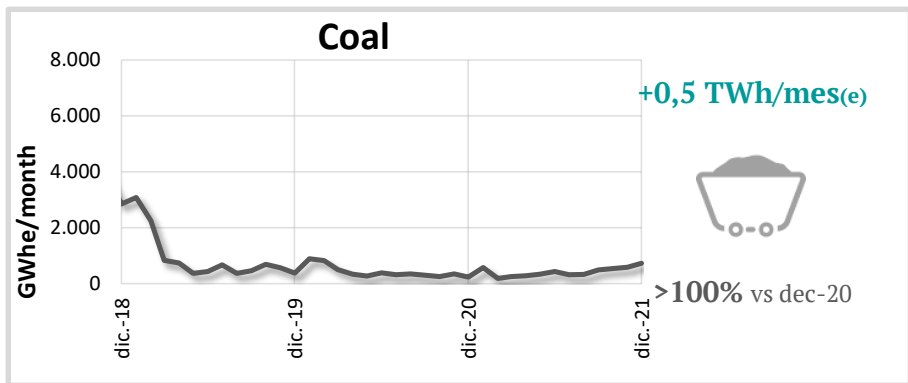
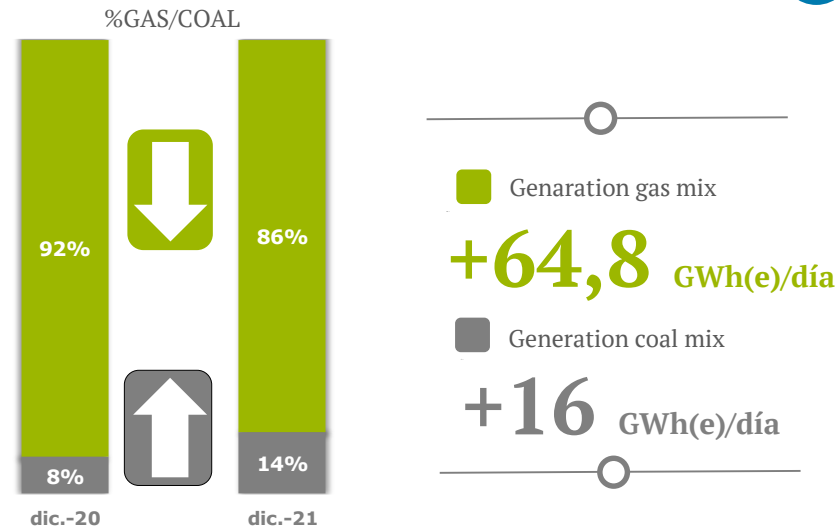
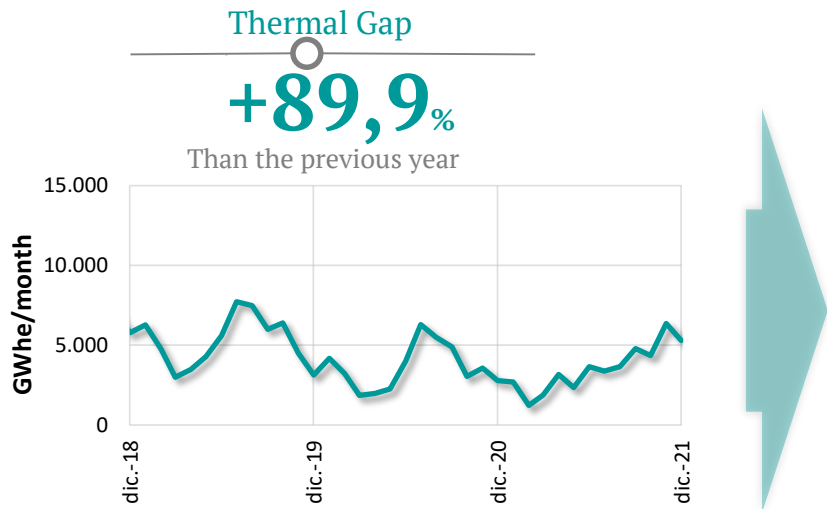


# 1.2 Power generation– electricity generation mix

TWh (e)	December 2020	December 2021
<b>Power generation</b>	21,3	20,8
Wind	7,4	6,8
Hydraulic	3,2	2,5
Solar	0,8	1,1
Rest of renewable	3,0	2,9
<b>Cogeneration</b>	2,4	2,2
<b>Others</b>	0,7	0,7
<b>Thermal Gap</b>	2,8	5,3
Coal	0,2	0,7
Gas	2,6	4,6
% gas in TG	92%	86%
<b>Nuclear</b>	5,3	3,9
<b>International balances</b>	-0,8	-1,3
	export	export

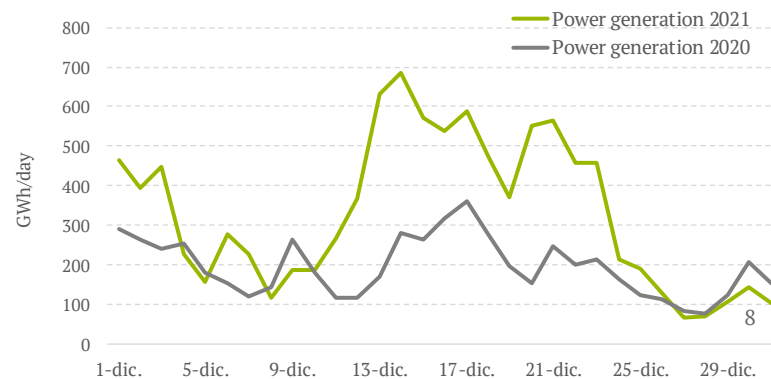
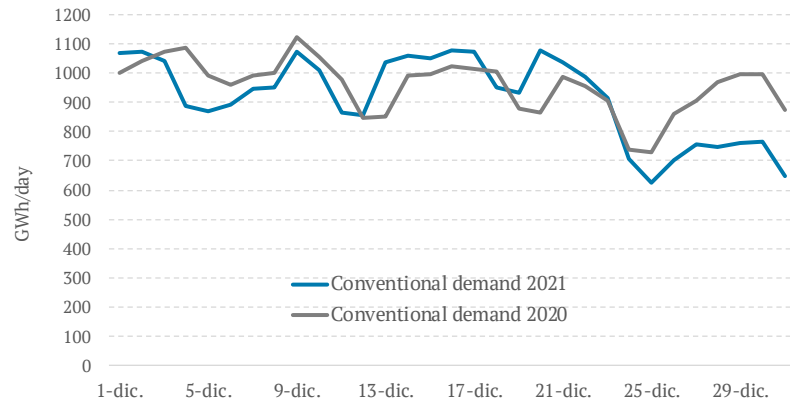


# 1.2 Power generation – Thermal Gap evolution



# 1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION	
	Dec-2021	%Δ s/Dec 2020	Dec-2021	%Δ s/Dec 2020
CATALUÑA	5.532	-1,6%	1.179	77,1%
ANDALUCIA	2.689	-4,5%	1.772	31,9%
VALENCIA	2.625	-0,7%	1.024	39,2%
PAIS_VASCO	2.155	-6,3%	914	>100%
MURCIA	1.337	-12,1%	1.331	62,8%
CASTILLA_LEON	2.335	-5,1%	0	
ARAGON	1.751	4,5%	608	>100%
GALICIA	1.076	-9,6%	548	-10,5%
CASTILLA_MANCHA	1.214	-16,0%	272	-3,5%
MADRID	3.724	-8,0%	0	
ASTURIAS	720	-4,2%	524	55,3%
NAVARRA	941	1,4%	995	>100%
CANTABRIA	473	-3,4%	0	
LA RIOJA	261	3,9%	236	-0,4%
EXTREMADURA	203	6,8%	0	
BALEARES	106	16,0%	849	>100%





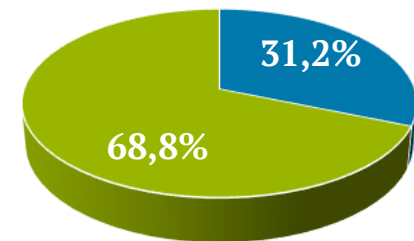


1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. **Demand coverage**
  1. **Origin of supplies**
  2. **Interconnection Points**
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7. Operating notes and other relevant facts

## 2.1 Demand coverage: Origin of supplies

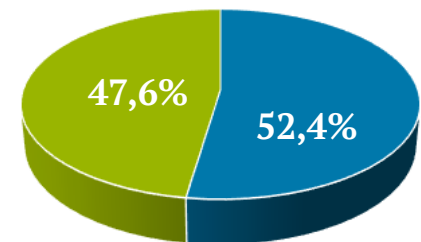
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)	
		Dec-2021	Dec-2020	Jan-Dec 2021	% s TOTAL	MAT: Jan 2020-Dec 2021	% s TOTAL
Algeria	NG	8.260	12.930	154.565	42,7%	154.565	42,7%
	LNG	2.357	495	23.425		23.425	
France	NG	3.655	4.383	30.922	7,7%	30.922	7,7%
	LNG	0	0	1.059		1.059	
Angola	LNG	1.997	0	4.128	1,0%	4.128	1,0%
Cameroon	LNG	0	0	0	0,0%	0	0,0%
United States	LNG	9.528	4.070	58.962	14,2%	58.962	14,2%
Equatorial Guinea	LNG	890	1.008	8.890	2,1%	8.890	2,1%
Nigeria	LNG	6.699	7.997	47.690	11,4%	47.690	11,4%
Norway	LNG	0	0	0	0,0%	0	0,0%
Peru	LNG	0	0	865	0,2%	865	0,2%
Qatar	LNG	877	880	26.169	6,3%	26.169	6,3%
Russia	LNG	4.195	1.628	37.027	8,9%	37.027	8,9%
Trinidad	LNG	0	0	13.123	3,1%	13.123	3,1%
Oman	LNG	0	0	0	0,0%	0	0,0%
Belgium	LNG	0	0	0	0,0%	0	0,0%
Argentina	LNG	0	0	0	0,0%	0	0,0%
Egypt	LNG	0	0	3.906	0,9%	3.906	0,9%
Portugal	NG	187	318	3.560	0,9%	3.560	0,9%
Papua New Guinea	NG	0	0	168	0,0%	168	0,0%
Spain	NG	0	0	926	0,2%	926	0,2%
Australia	NG	172	0	842	0,2%	842	0,2%
National deposits	NG	23	42	358	0,1%	358	0,1%
National Biogas	NG	8	10	99	0,0%	99	0,0%
<b>TOTAL</b>		<b>38.848</b>	<b>33.761</b>	<b>416.685</b>	<b>100%</b>	<b>416.685</b>	<b>100%</b>

### December 2021



■ Total NG ■ Total LNG

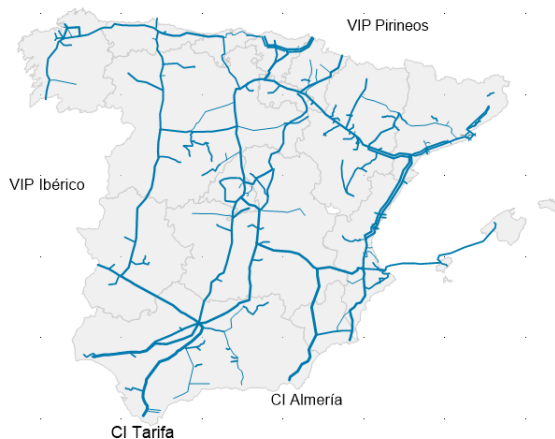
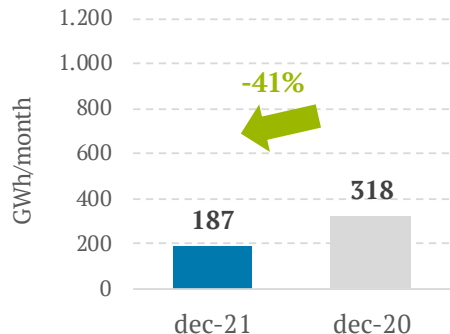
### December 2020



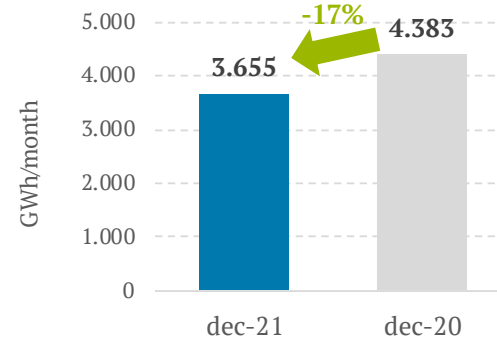
■ Total NG ■ Total LNG

# 2.1 Demand coverage : Interconnection Points

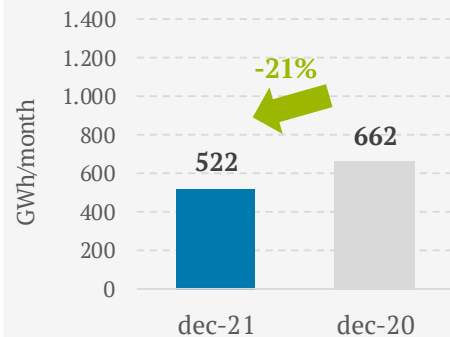
### VIP IBÉRICO (imports)



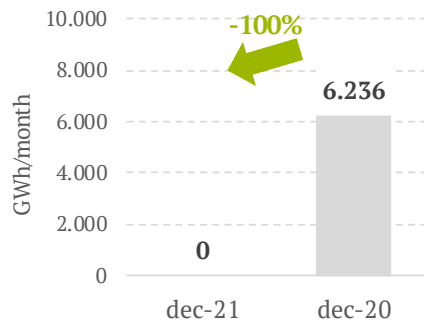
### VIP PIRINEOS (imports)



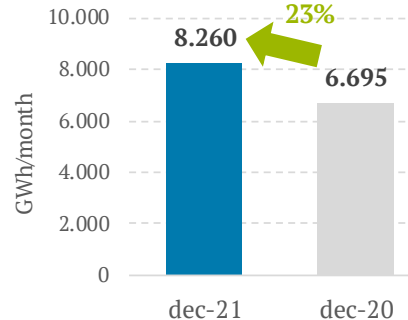
### VIP IBÉRICO (exports)



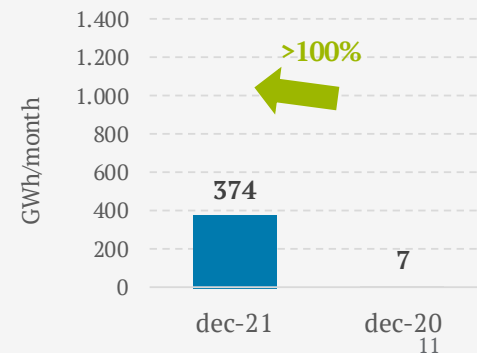
### TARIFA



### ALMERÍA



### VIP PIRINEOS (exports)



## 2.1 Demand coverage : Interconnection Points

### Saldos Netos

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Dec-2021	Dec-2020	%Δ s/2020	Jan-Dec 2021	%Δ s/2020	MAT: Jan 2020-Dec 2021	%Δ MAT vs 2020
Tarifa	0	6.236	-100,0%	65.877	61,5%	65.877	61,5%
Almería	8.260	6.695	23,4%	88.688	48,2%	88.688	48,2%
VIP Ibérico	-335	-344	-2,5%	-1.426	-68,0%	-1.426	-68,0%
VIP Pirineos	3.282	4.376	>100%	17.146	-39,0%	17.146	-39,0%
National Deposits	23	42	-45,4%	358	-22,9%	358	-22,9%
Biogas	8	10	-19,5%	99	-3,6%	99	-3,6%
<b>Total</b>	<b>11.237</b>	<b>17.015</b>	<b>-34,0%</b>	<b>170.743</b>	<b>36,8%</b>	<b>170.743</b>	<b>36,8%</b>

+ Entradas a la red de transporte

- Salidas de la red de transporte

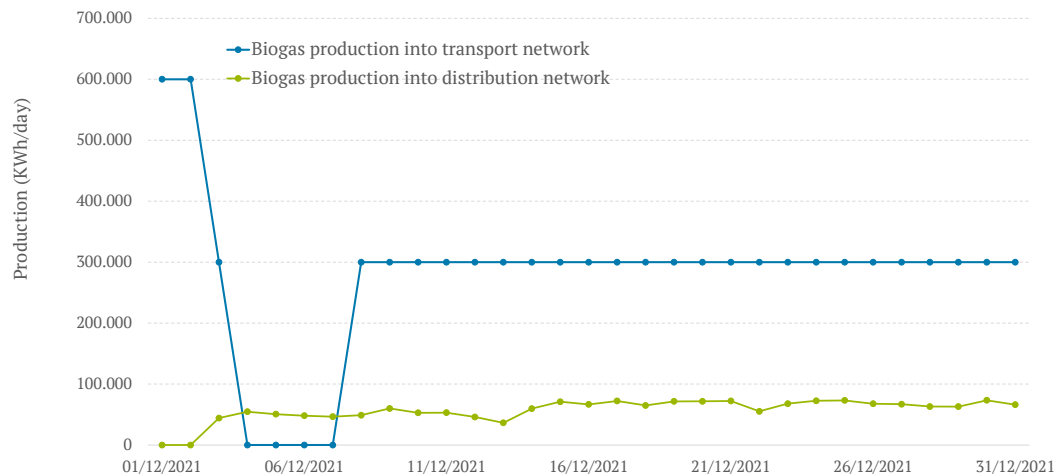


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# 3. Renewable gases

## BIOGÁS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Dec-2021	Dec-2021	%Δ s/2020	Jan-Dec 2021	%Δ s/2020	MAT: Jan 2020-Dec 2021	%Δ s/2020
BIOGÁS injected into transport network	8,1	10,1	-19,5%	99,0	-3,6%	99,0	-3,6%
BIOGÁS injected into distribution network	1,9	0,00	>100%	5,9	>100%	5,9	>100%
<b>Total</b>	<b>10,0</b>	<b>10,1</b>	<b>-0,8%</b>	<b>104,9</b>	<b>0,7%</b>	<b>104,9</b>	<b>0,7%</b>



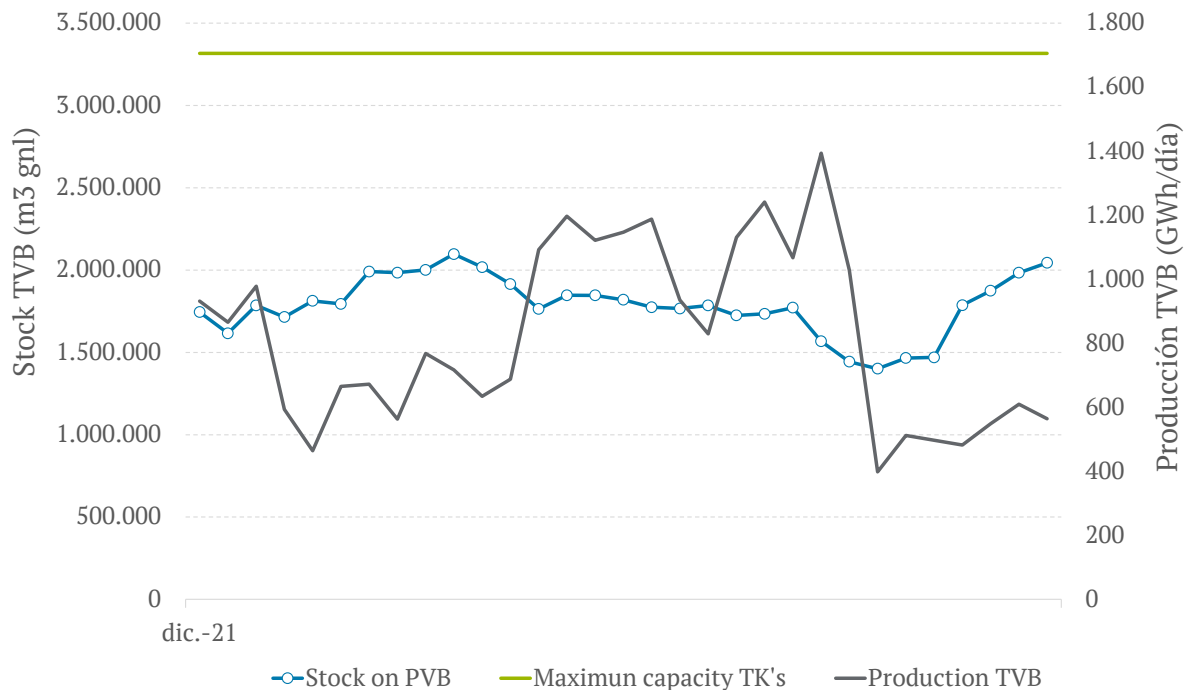
(\*) Datos de repartos del SL-ATR



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# 4. TVB activity

## Evolución existencias en el TVB y Producción del TVB



### December 2021

GWh/month

Total capacity	59.365
Contracted capacity TVB	26.130
Available capacity	33.235
Commercial regasification	24.840



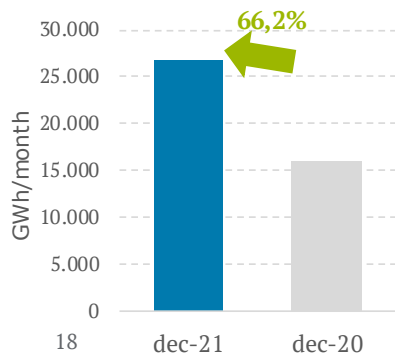


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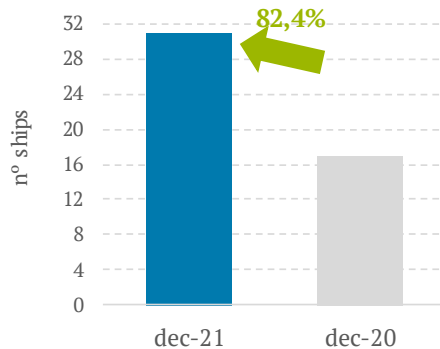
# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Dec-2021	Dec-2020	%Δ s/2020	Dec-2021	Dec-2020	%Δ s/2020	Dec-2021	Dec-2020	%Δ s/2020	Dec-2021	Dec-2020	%Δ s/2020
BARCELONA	3.295	3.382	-2,6%	5	4	25,0%	45	32	38,9%	303	301	0,6%
HUELVA	6.670	4.103	62,6%	7	4	75,0%	30	0	>100%	266	261	1,9%
CARTAGENA	4.200	1.927	>100%	6	2	>100%	0	0	-	289	285	1,5%
BILBAO	6.085	1.939	>100%	6	2	>100%	0	0	-	113	105	7,1%
SAGUNTO	4.441	2.043	>100%	5	2	>100%	931	0	>100%	193	192	0,5%
MUGARDOS	2.024	2.683	-24,5%	2	3	-33,3%	0	0	-	142	128	10,8%
<b>Total</b>	<b>26.715</b>	<b>16.078</b>	<b>66,2%</b>	<b>31</b>	<b>17</b>	<b>82,4%</b>	<b>1.006</b>	<b>32</b>	<b>&gt;100%</b>	<b>1.305</b>	<b>1.272</b>	<b>2,6%</b>

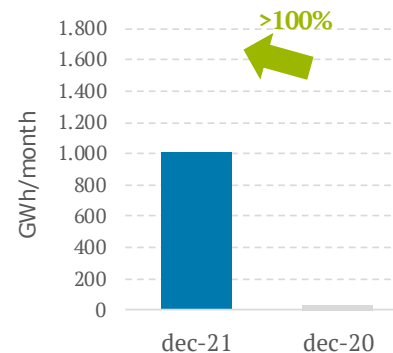
SHIPS UNLOADED



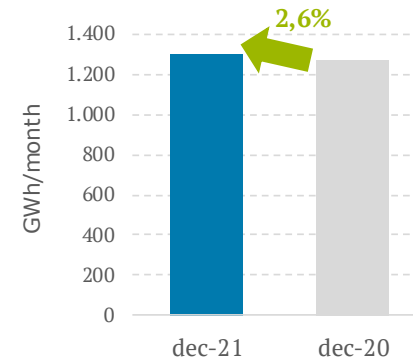
NUMBER OF SHIPS UNLOADED



SHIPS LOADED



LNG TRUCKS



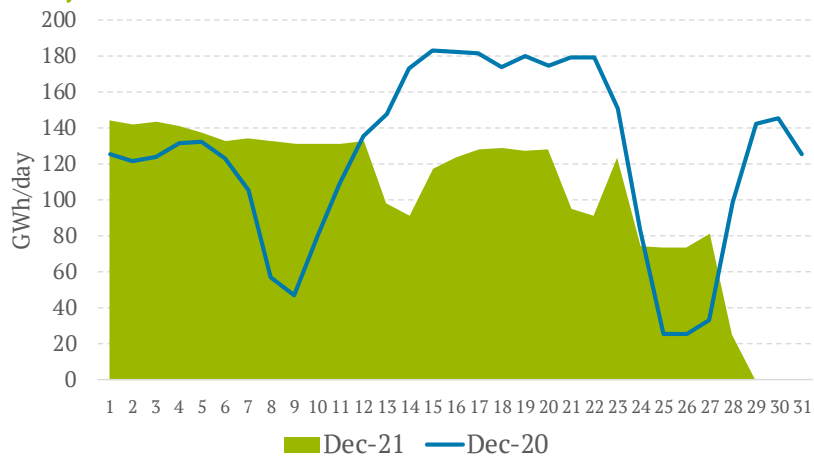
(\*) Datos de repartos del SL-ATR



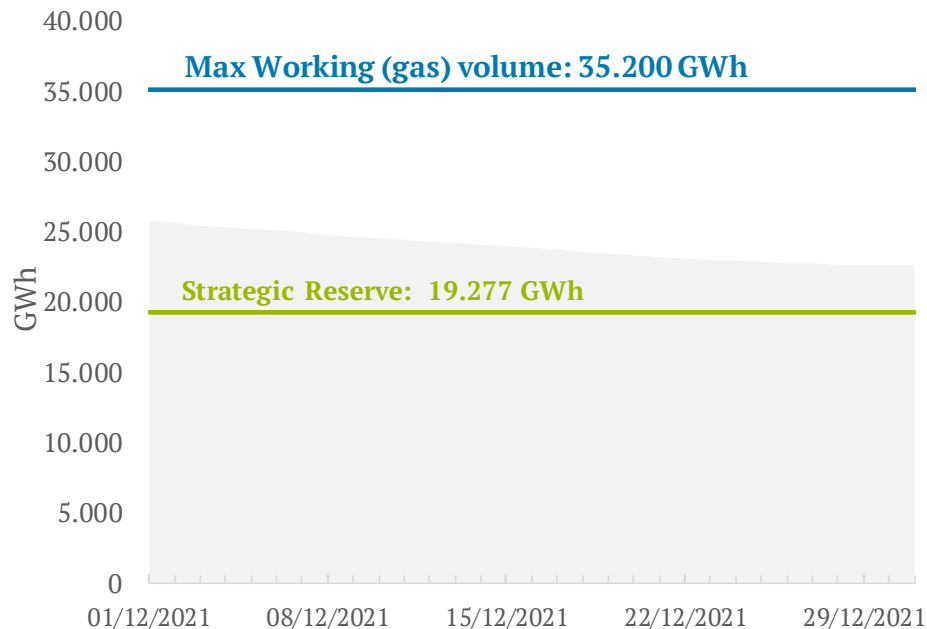
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# 6. UGS Activity

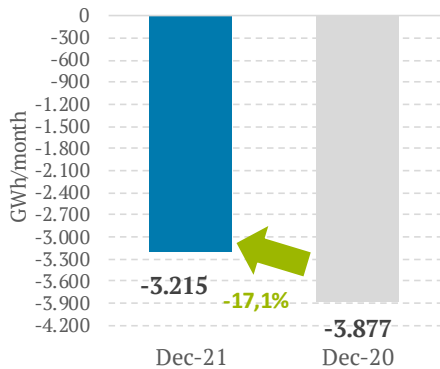
Daily withdrawal December 2021 vs December 2020



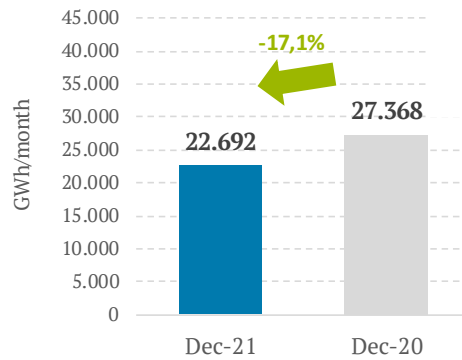
Evolución existencias útiles



Withdrawal



Working (gas) volumes





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7. **Operating notes and other relevant facts**

# 7. Operating notes and other relevant facts

## Operating notes:

- In **December 2021**, no Operation note has been published.

## Relevant facts:

- No relevant facts have been published this month

Operación y Programación del Sistema Gasista

## Notas de operación

En esta página se encuentran disponibles las Notas de Operación emitidas.



Muchas  
gracias

