

# Statistical bulletin

December 2022

**AVANCE**

Technical Management of the System

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

January-23





## 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

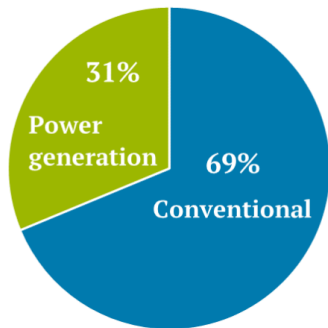
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

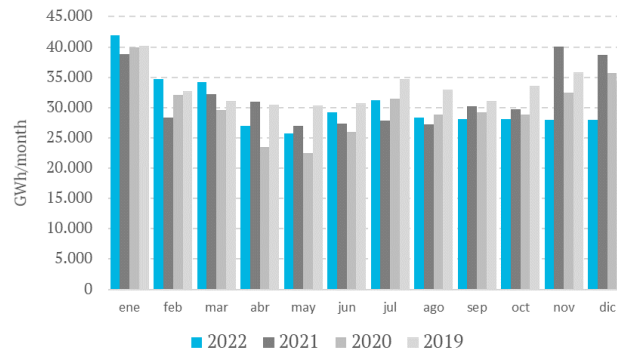
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Dec-2022	%Δ s/2021	Jan-Dec 2022	%Δ s/2021	MAT: Jan 2022- Dec 2022	%Δ MAT vs 2021
<b>National Market demand</b>	<b>28.000</b>	<b>-27,7%</b>	<b>364.425</b>	<b>-3,7%</b>	<b>364.425</b>	<b>-3,7%</b>
Conventional	19.250	-32,4%	226.388	-21,4%	226.388	-21,4%
Power generation	8.750	-14,7%	138.037	52,7%	138.037	52,7%
<b>International Market demand</b>	<b>10.710</b>	<b>&gt;100%</b>	<b>67.996</b>	<b>89,9%</b>	<b>67.996</b>	<b>89,9%</b>
International conections exports	6.760	>100%	43.124	>100%	43.124	>100%
LNG Vessel loading	3.949	>100%	24.872	44,9%	24.872	44,9%
<b>TOTAL</b>	<b>38.710</b>	<b>-4,7%</b>	<b>432.421</b>	<b>4,4%</b>	<b>432.421</b>	<b>4,4%</b>

National market demand December 2022

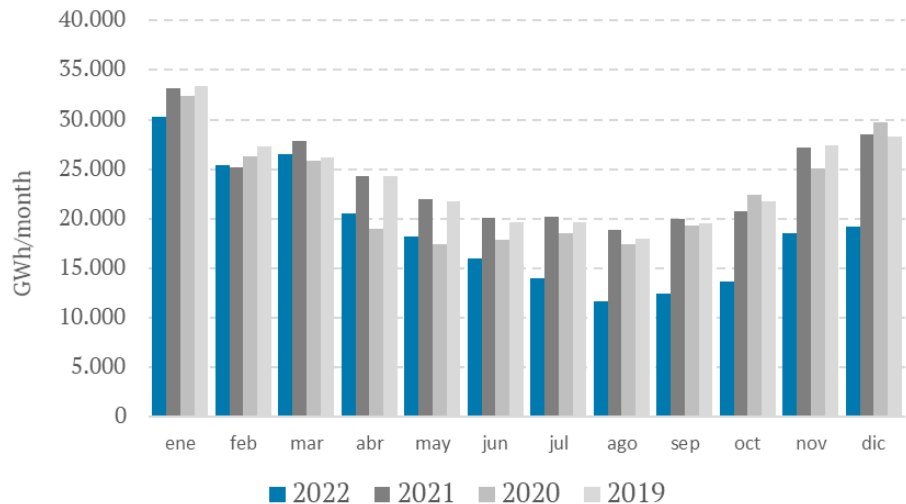


Total Demand

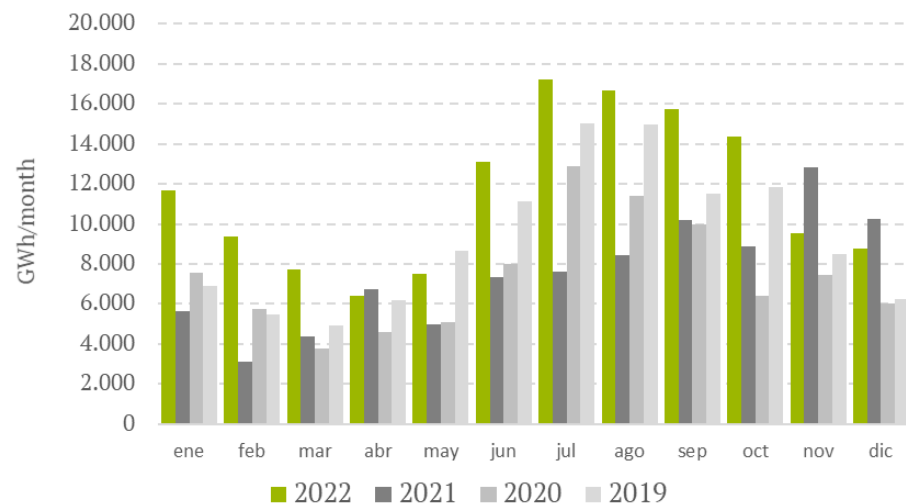


# 1. Evolution of gas demand

## Conventional Demand



## Power Generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**-32,4%** 

Lower than the previous year

Temperatures

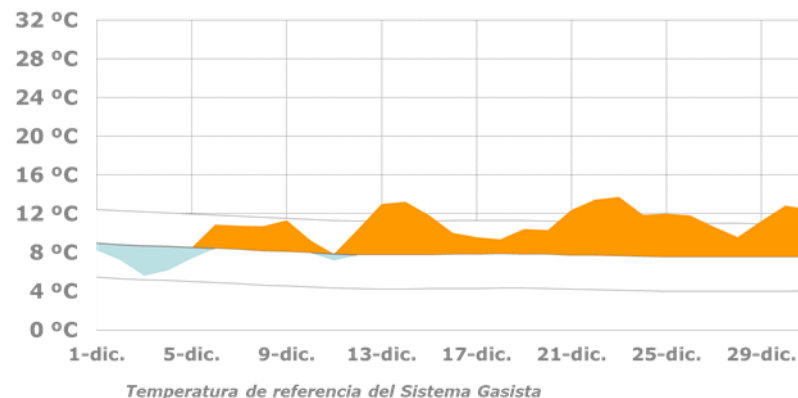


**+1°C** 

Higher than the previous year

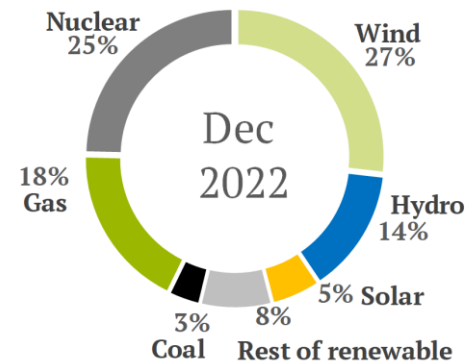
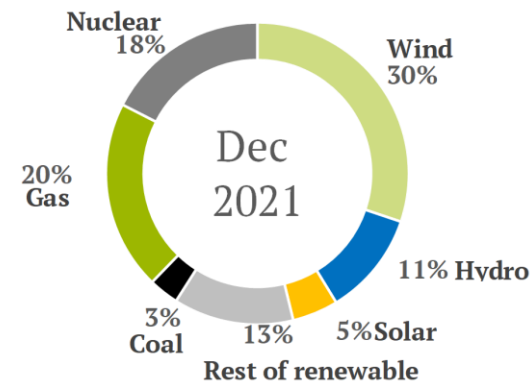
Demand	Conventional demand		Accumulated		MAT	
	Dec 2022 (*)		Jan-Dec 2022		Jan-Dec 2022	
	GWh	%22 s/21	GWh	%22 s/21	GWh	% TAM s/21
	19.250	-32,4%	226.388	-21,4%	226.388	-21,4%
Calendar		0,0%		-0,2%		0,0%
Temperature		-8,0%		-2,8%		-2,8%
Amended demand		-24,4%		-18,4%		-18,6%

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



# 1.2 Power generation– electricity generation mix

TWh (e)	Dec 2021	Dec 2022
<b>Power generation</b>	20,8	19,3
Wind	6,8	5,6
Hydraulic	2,5	2,9
Solar	1,1	1,1
Rest of renewable	2,9	1,6
<b>Cogeneration</b>	2,2	1,1
<b>Others</b>	0,7	0,5
<b>Thermal Gap</b>	5,3	4,5
Coal	0,7	0,7
Gas	4,6	3,8
% gas in TG	86%	84%
<b>Nuclear</b>	3,9	5,2
<b>International balances</b>	-1,3	-1,1
	export	export

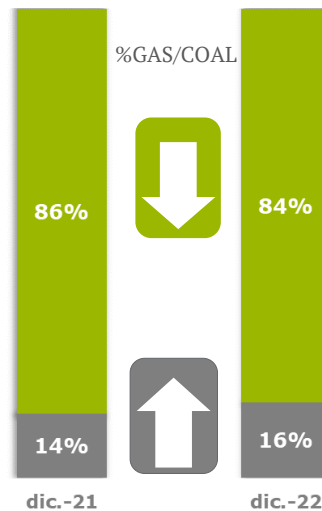
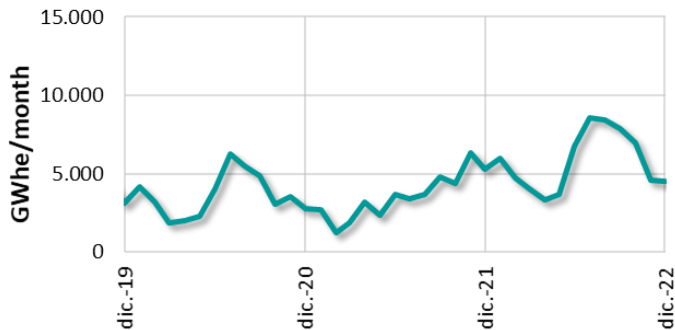


# 1.2 Power generation – Thermal Gap evolution

## Thermal Gap

**-14%**

Than the previous year



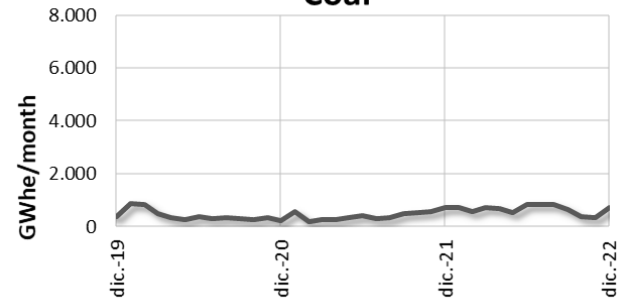
■ Generation gas mix

**-24,5** GWh(e)/day

■ Generation coal mix

**+0,03** GWh(e)/day

## Coal

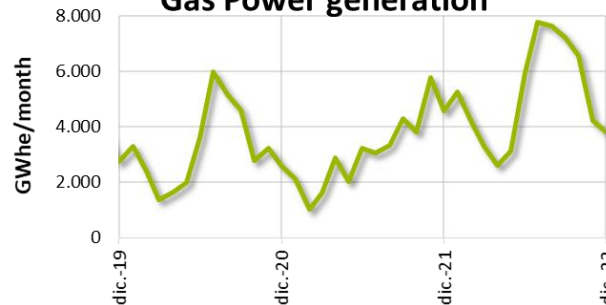


**-0,001 TWh/month(e)**



**-0,1% vs dec-21**

## Gas Power generation



**-0,8 TWh/month(e)**

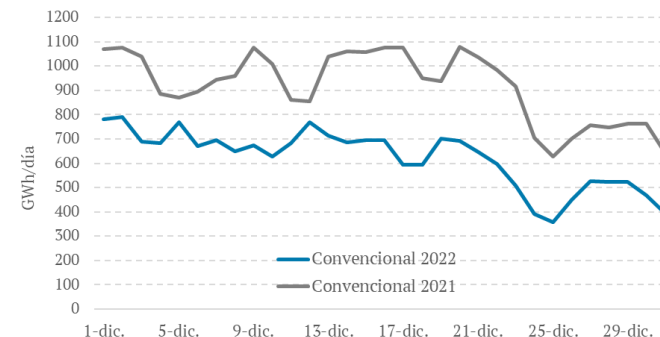


**-17% vs dec-21**

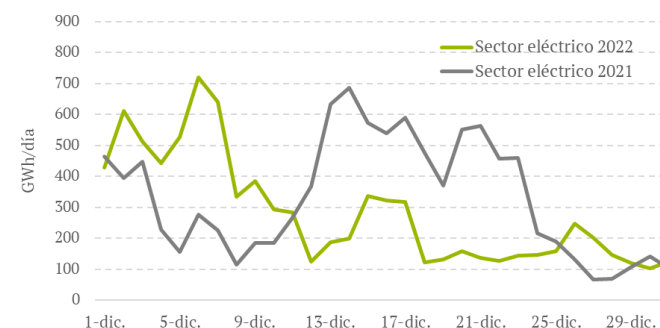
# 1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Dic-2022	%Δ vs dic 2021	Dic-2022	%Δ vs dic 2021	Dic-2022	%Δ vs dic 2021
Andalucía	1.647	-38,8%	1.877	5,9%	177	-41,2%
Aragón	1.159	-32,5%	406	-33,2%	48	-30,3%
Asturias	474	-33,8%	482	-8,0%	18	-43,7%
Baleares	79	-24,0%	670	-21,1%	3	21,6%
Cantabria	298	-37,0%			4	-8,8%
Castilla - La Mancha	946	-23,4%	239	-12,2%	67	-30,7%
Castilla y León	1.690	-27,8%			62	-30,4%
Cataluña	3.594	-35,1%	1.199	1,6%	118	-54,0%
Comunidad Valenciana	1.816	-30,8%	502	-50,9%	87	-19,0%
Extremadura	140	-30,2%			37	-37,7%
Galicia	817	-23,9%	822	50,1%	46	-42,1%
La Rioja	255	-24,1%	317	34,3%	7	-3,9%
Madrid	3.049	-18,9%			42	13,9%
Murcia	496	-62,4%	1.010	-24,1%	42	-39,7%
Navarra	555	-25,7%	482	-51,5%	12	-48,0%
País Vasco	1.378	-39,8%	743	-18,7%	39	85,2%

### Daily evolution Conventional Demand



### Daily evolution Power Generation



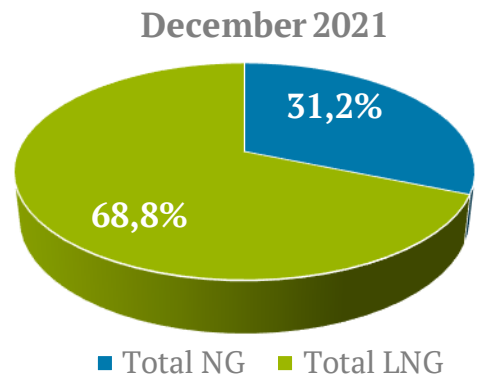
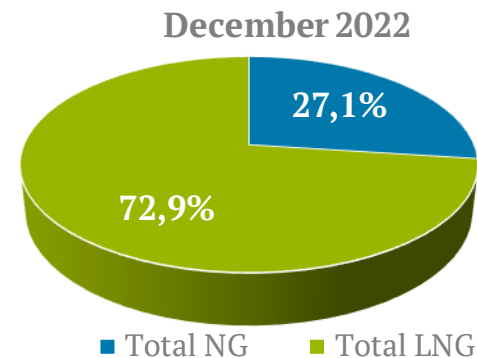




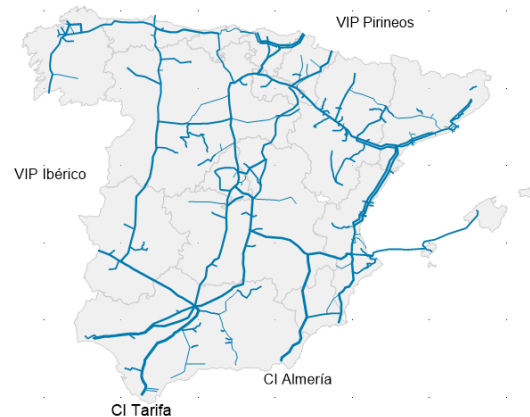
1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. **Demand coverage**
  1. **Origin of supplies**
  2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
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7. Operating notes and other relevant facts

## 2.1 Demand coverage: Origin of supplies

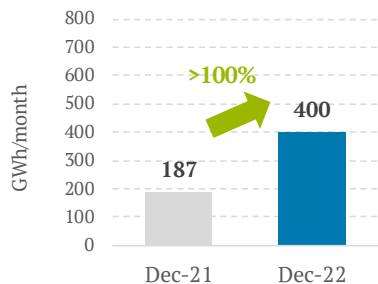
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)		
		Dec-2022	% s TOTAL	Dec-2021	Jan-Dec 2022	% s TOTAL	MAT: Jan 2022-Dec 2022	% s TOTAL
Algeria	NG	9.606	25,2%	8.260	100.952	23,8%	100.952	23,8%
	LNG	0		2.357	5.447		5.447	
France	NG	276	0,7%	3.655	21.546	5,1%	21.546	5,1%
	LNG	0		0	1.068		1.068	
Angola	LNG	0	0,0%	1.997	3.103	0,7%	3.103	0,7%
Cameroon	LNG	1.036	2,7%	0	3.179	0,7%	3.179	0,7%
United States	LNG	12.552	32,9%	9.528	128.749	28,8%	128.749	28,8%
Equatorial Guinea	LNG	0	0,0%	890	5.943	1,3%	5.943	1,3%
Nigeria	LNG	2.772	7,3%	6.699	61.904	13,9%	61.904	13,9%
Peru	LNG	0	0,0%	0	1.920	0,4%	1.920	0,4%
Qatar	LNG	1.090	2,9%	877	14.473	3,2%	14.473	3,2%
Russia	LNG	5.453	14,3%	4.195	53.859	12,1%	53.859	12,1%
Trinidad	LNG	1.912	5,0%	0	14.585	3,3%	14.585	3,3%
Oman	LNG	0	0,0%	0	5.776	1,3%	5.776	1,3%
Belgium	LNG	0	0,0%	0	1.094	0,2%	1.094	0,2%
Egypt	LNG	2.474	6,5%	0	15.053	3,4%	15.053	3,4%
Portugal	NG	400	1,0%	187	4.688	1,0%	4.688	1,0%
Australia	NG	0	0,0%	172	0	0,0%	0	0,0%
South Korea	NG	0	0,0%	0	167	0,0%	167	0,0%
Indonesia	NG	0	0,0%	0	474	0,1%	474	0,1%
Mozambique	LNG	0	0,0%	0	542	0,1%	542	0,1%
National deposits	NG	33	0,1%	27	333	0,1%	333	0,1%
National Biogas	NG	14	0,0%	8	138	0,0%	138	0,0%
<b>TOTAL</b>		<b>38.161</b>	<b>100%</b>	<b>38.852</b>	<b>446.550</b>	<b>100%</b>	<b>446.550</b>	<b>100%</b>



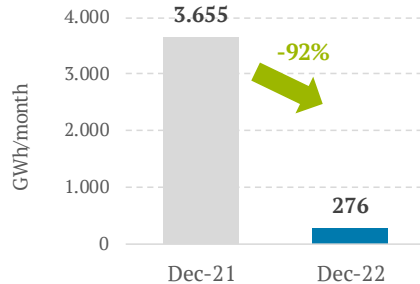
# 2.1 Demand coverage : Interconnection Points



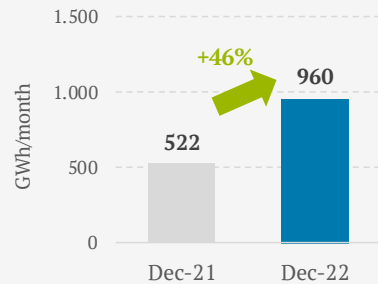
VIP IBÉRICO (imports)



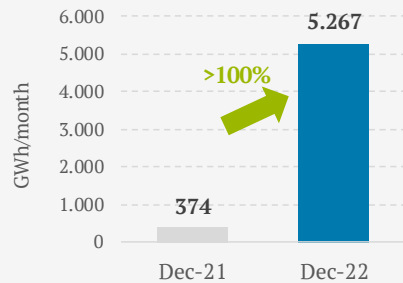
VIP PIRINEOS (imports)



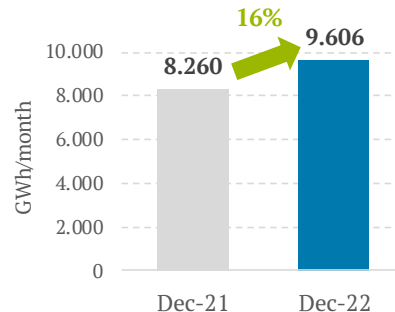
VIP IBÉRICO (exports)



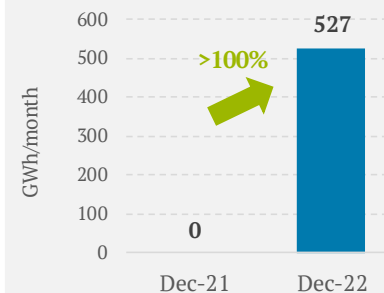
VIP PIRINEOS (exports)



ALMERÍA



TARIFA (exports)



(\*) SL-ATR data

## 2.1 Demand coverage : Interconnection Points

### Saldos Netos

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Dec-2022	Dec-2021	%Δ s/2021	Jan-Dec 2022	%Δ s/2021	MAT: Jan 2022-Dec 2022	%Δ MAT vs 2021
Tarifa	-527	0	>100%	-1.882	<-100%	-1.882	<-100%
Almería	9.606	8.260	16,3%	100.952	13,8%	100.952	13,8%
VIP Ibérico	-560	-335	66,9%	-1.171	-17,9%	-1.171	-17,9%
VIP Pirineos	-4.991	3.282	<-100%	-13.828	<-100%	-13.828	<-100%
National Deposits	33	27	25,3%	333	-13,2%	333	-13,2%
Biogas	14	8	77,8%	138	39,3%	138	39,3%
<b>Total</b>	<b>3.576</b>	<b>11.241</b>	<b>-68,2%</b>	<b>84.543</b>	<b>-50,5%</b>	<b>84.543</b>	<b>-50,5%</b>

+ Transport network input

- Transport network output

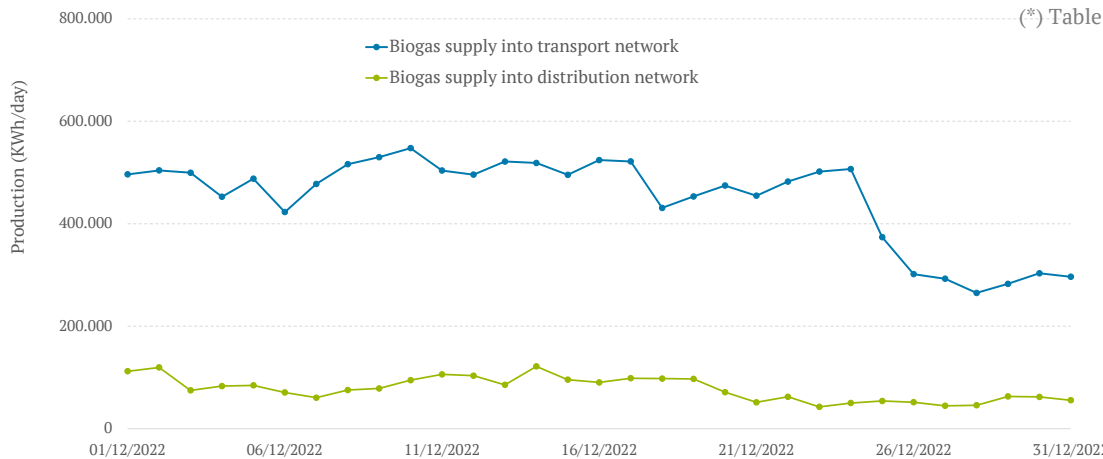


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# 3. Renewable gases

## BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Dec-2022	Dec-2022	%Δ s/2021	Jan-Dec 2022	%Δ s/2021	MAT: Jan 2022-Dec 2022	%Δ s/2021
BIOGAS injected into transport network	14,4	8,1	77,8%	138,0	39,3%	138,0	39,3%
BIOGAS injected into distribution network	2,3	1,9	21,8%	37,7	>100%	37,7	>100%
<b>Total</b>	<b>16,7</b>	<b>10,0</b>	<b>67,2%</b>	<b>175,7</b>	<b>67,4%</b>	<b>175,7</b>	<b>67,4%</b>



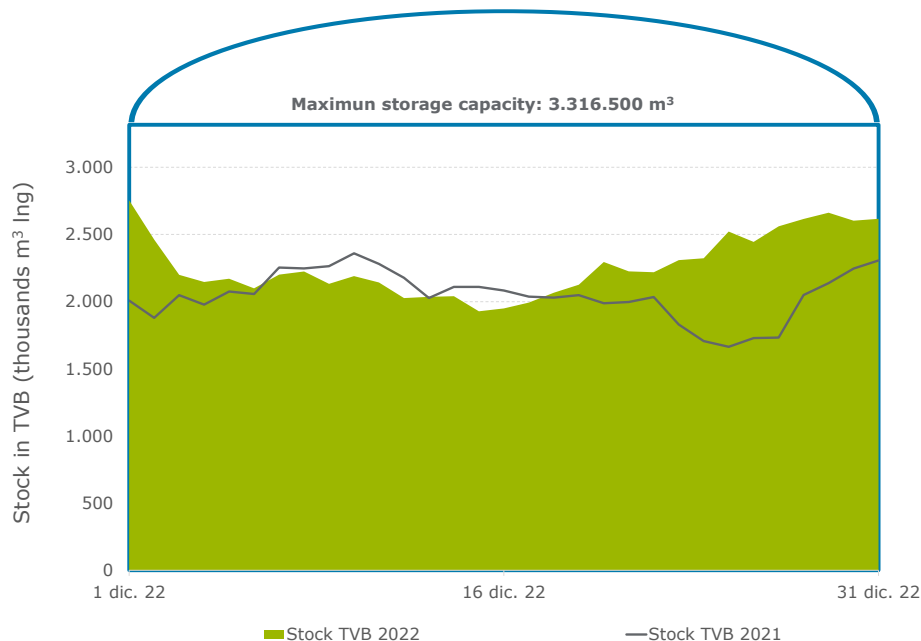


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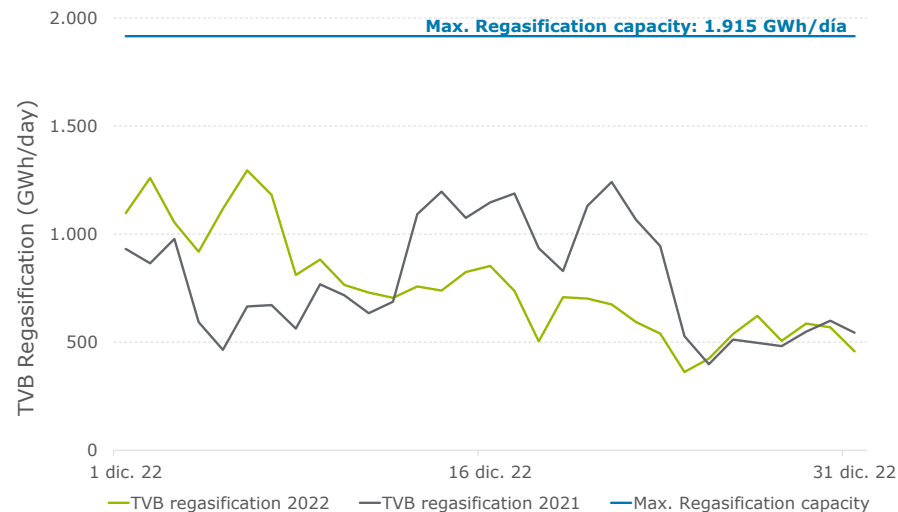
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# 4. TVB activity

## TVB stock evolution



## Regasification in TVB



### November 2022

GWh/month

Total regasification capacity 59.365

Contracted regasification capacity 27.611

Available regasification capacity 31.754

Commercial regasification 23.035

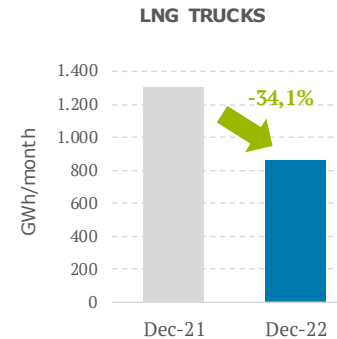
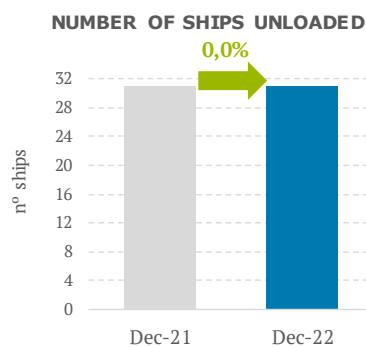
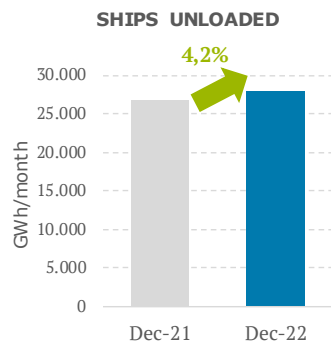




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# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Dec-2022	Dec-2021	%Δ s/2021	Dec-2022	Dec-2021	%Δ s/2021	Dec-2022	Dec-2021	%Δ s/2021	Dec-2022	Dec-2021	%Δ s/2021
BARCELONA	5.304	3.295	61,0%	6	5	20,0%	907	45	>100%	198	303	-34,6%
HUELVA	5.050	6.670	-24,3%	5	7	-28,6%	632	30	>100%	171	266	-35,6%
CARTAGENA	3.559	4.200	-15,3%	4	6	-33,3%	608	0	-	164	289	-43,4%
BILBAO	5.822	6.085	-4,3%	7	6	16,7%	0	0	-	101	113	-10,6%
SAGUNTO	3.966	4.441	-10,7%	5	5	0,0%	1.800	931	93,4%	142	193	-26,2%
MUGARDOS	4.131	2.024	>100%	4	2	100,0%	0	0	-	84	142	-41,2%
<b>Total</b>	<b>27.831</b>	<b>26.715</b>	<b>4,2%</b>	<b>31</b>	<b>31</b>	<b>0,0%</b>	<b>3.947</b>	<b>1.006</b>	<b>&gt;100%</b>	<b>859</b>	<b>1.305</b>	<b>-34,1%</b>

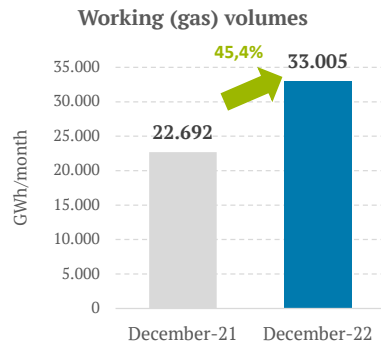
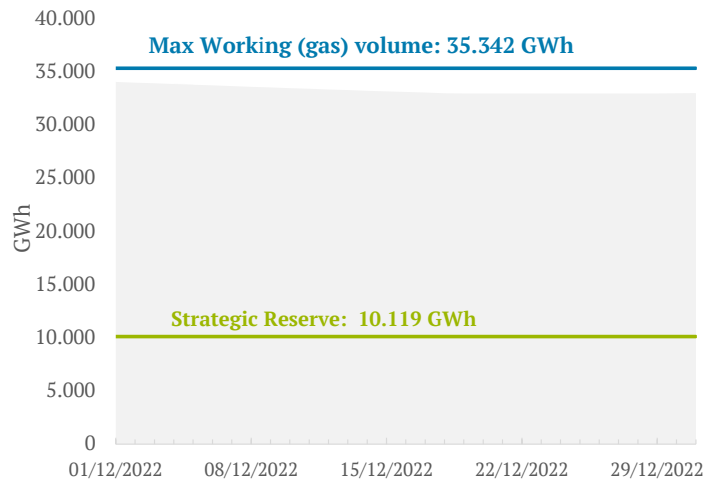




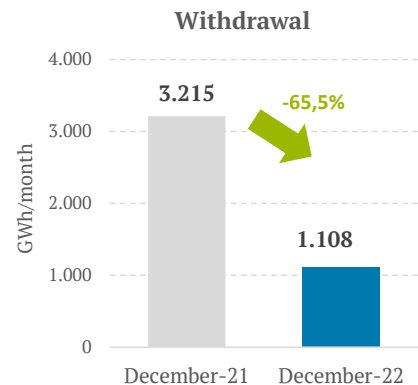
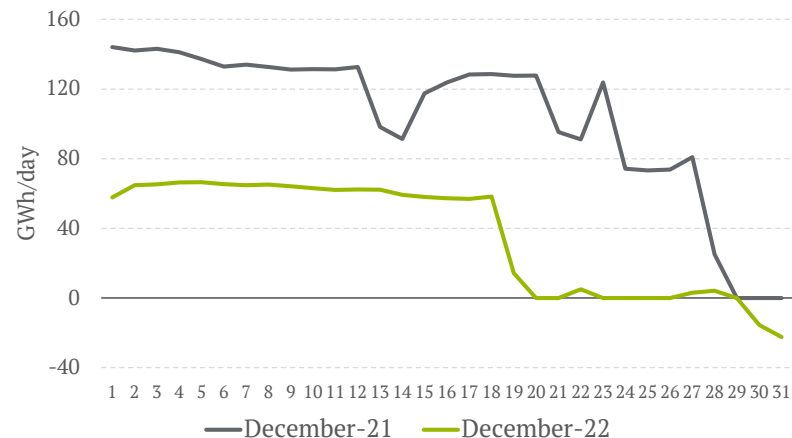
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# 6. UGS activity

## Working gas evolution



## Daily injection





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

# 7. Operating notes and other relevant facts

## Operating notes:

- In **December 2022**, no operation notes has been published.

## Relevant facts:

- No relevant fact has been published this month



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Thank You

