

Statistical bulletin

December 2023

PRELIMINARY

Technical Management of the System

GTS_DEMANDA@enagas.es

January-24





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

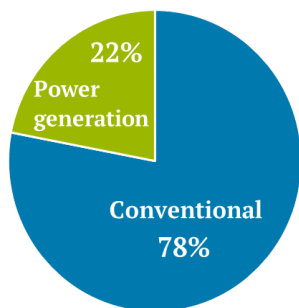
6. Underground Storage activity

7. Operating notes and other relevant facts

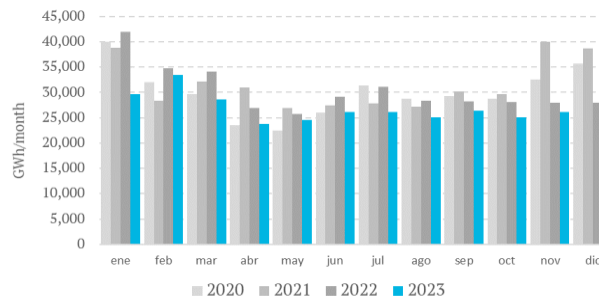
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Dec-2023	%Δ s/2022	Jan-Dec 2023	%Δ s/2022	MAT: Jan 2023-Dec 2023	%Δ MAT vs 2022
National Market demand	30,441	8.8%	325,547	-10.7%	325,547	-10.7%
Conventional	23,753	23.6%	229,834	1.5%	229,834	1.5%
Power generation	6,688	-23.6%	95,713	-30.7%	95,713	-30.7%
International Market demand	4,010	-62.6%	75,263	10.7%	75,263	10.7%
International connections exports	2,657	-60.7%	53,326	23.7%	53,326	23.7%
LNG Vessel loading	1,353	-65.8%	21,937	-11.8%	21,937	-11.8%
TOTAL	34,450	-10.9%	400,810	-7.3%	400,810	-7.3%

National market demand December 2023

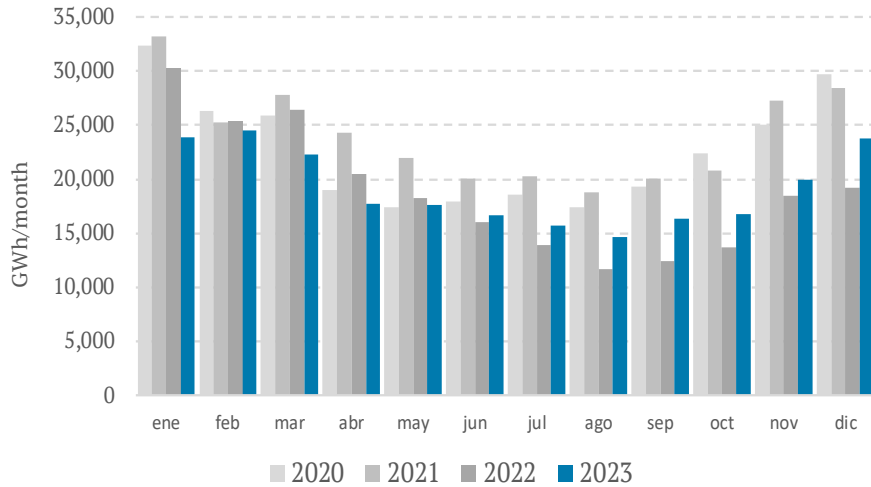


Total Demand

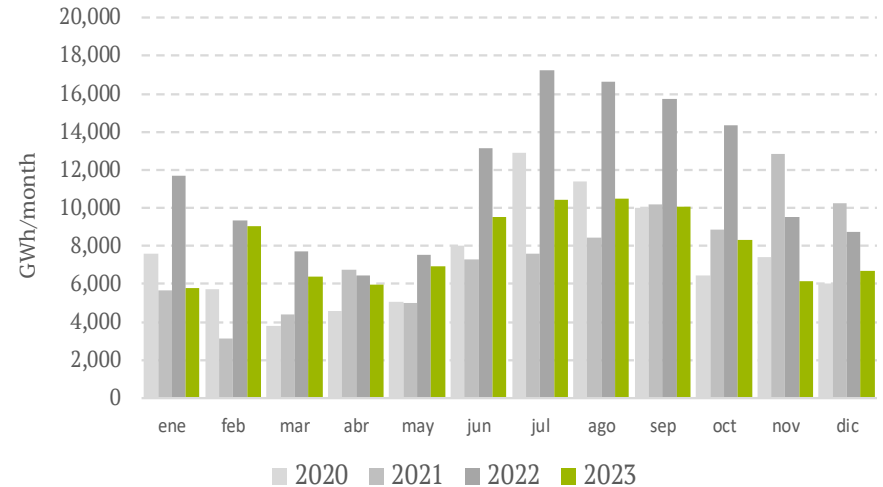


1. Evolution of gas demand

Final Demand



Demand for Power generation



1.1 Evolution of gas demand. Conventional

Demand



Conventional market

+23.6%

Higher than the previous year

Temperatures

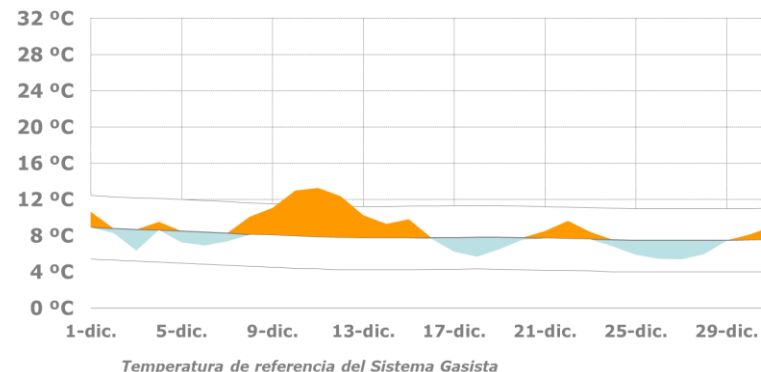


-2.1°C

Lower than the previous year

Demand	Conventional demand		Accumulated		MAT	
	Dec 2023 (*)	%23 s/22	Jan-Dec 2023	%23 s/22	Jan23-Dec23	% TAM s/22
	GWh		GWh		GWh	
	23,753	23.6%	229,834	1.5%	229,834	1.5%
Calendar		-5.2%		0.2%		0.2%
Temperature		6.8%		-1.6%		-1.6%
Amended demand		22.0%		2.9%		2.9%

* The sum of the correction factors is equal to % of total demand
Period without significant temperature effects



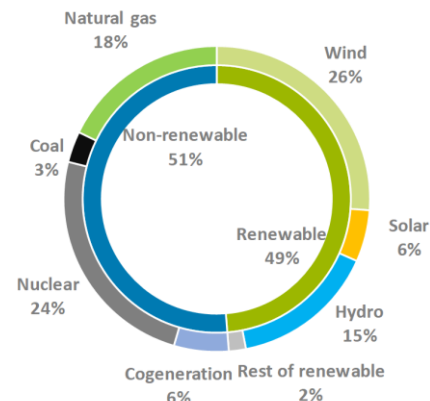
1.2 Power generation– electricity generation mix

TWh (e)	2022 December 1 st to 31 st	2023 December 1 st to 31 st	Δ 2023 vs 2022	% Δ 2023 vs 2022
Power generation	19,1	19,9	0,8	4,1%
Wind	5,5	5,8	0,3	5,4%
use of installed capacity [GW]	29,5	30,1	0,5	1,8%
% utilization of total installed	25%	26%		
Solar	1,2	1,9	0,8	65,1%
use of installed capacity [GW]	21,8	26,4	4,6	21,0%
% utilization of total installed	7%	10%		
Hydro	3,2	4,5	1,3	39,2%
Rest of renewable	0,4	0,3	0,0	-12,1%
Cogeneration	1,2	1,3	0,1	4,9%
Nuclear	5,2	5,0	-0,2	-3,3%
Coal	0,7	0,2	-0,5	-68,3%
Natural gas	3,8	2,4	-1,3	-35,4%
International exchanges	-1,1	-0,8	0,4	-31,9%
exportation	exportation			
France	-1,5	0,1	1,6	
Portugal	0,5	-0,8	-1,3	
Morocco	-0,1	-0,1	0,0	

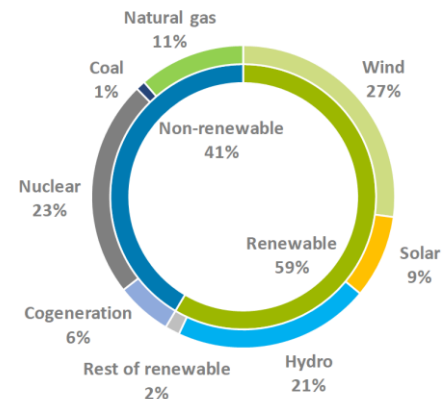
Amended demand in terms of working days and

3,7%

2022
Gas demand for Power Generation
8.8 TWh (g)



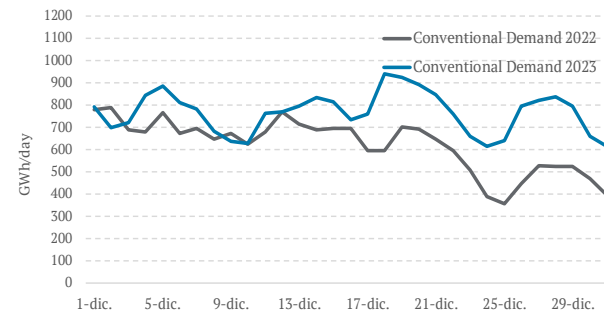
2023
Gas demand for Power Generation
6.7 TWh (g)



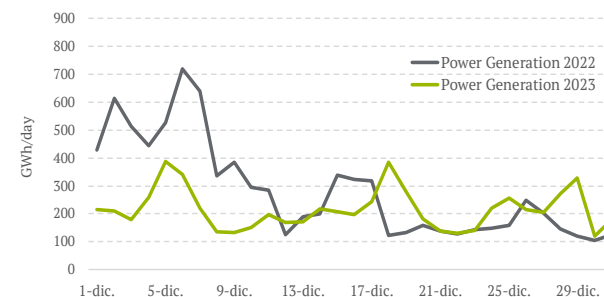
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Dec-2023	%Δ vs Dec 2022	Dec-2023	%Δ vs Dec 2022	Dec-2023	%Δ vs Dec 2022
Andalucía	2,669	63.8%	1,374	-26.7%	198	11.8%
Aragón	1,203	5.0%	226	-44.4%	44	-9.0%
Asturias	565	20.5%	314	-34.9%	25	42.5%
Baleares	91	15.4%	610	-8.9%	2	-32.0%
Cantabria	355	20.5%	0	0.0%	40	795.6%
Castilla - La Mancha	1,201	28.4%	326	36.8%	68	2.0%
Castilla y León	1,982	18.5%	0	0.0%	70	10.6%
Cataluña	4,447	19.1%	1,033	-13.8%	128	8.3%
Comunidad Valenciana	1,587	-11.6%	685	36.4%	112	28.9%
Extremadura	196	41.4%	0	0.0%	40	4.0%
Galicia	983	21.6%	544	-33.8%	56	21.9%
La Rioja	272	8.6%	274	-13.5%	5	-25.2%
Madrid	3,558	18.0%	0	0.0%	95	141.6%
Murcia	1,275	160.0%	682	-32.5%	63	49.1%
Navarra	602	9.7%	266	-44.8%	10	-10.4%
País Vasco	1,780	30.5%	345	-53.6%	16	-59.2%

Daily evolution Conventional Demand



Daily evolution Power Generation

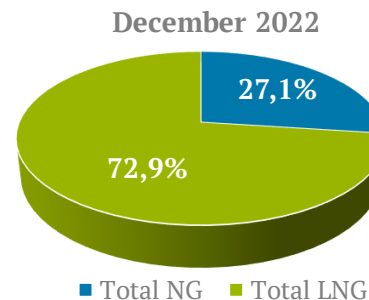
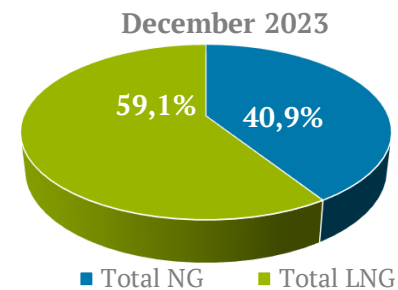




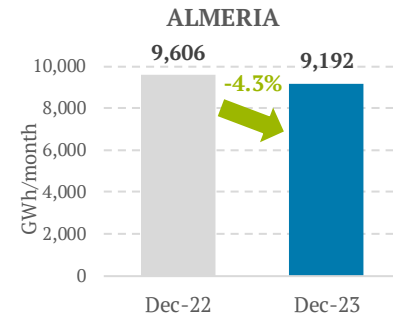
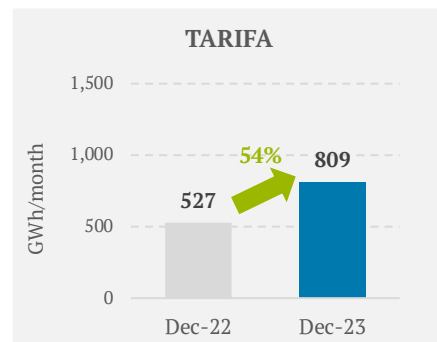
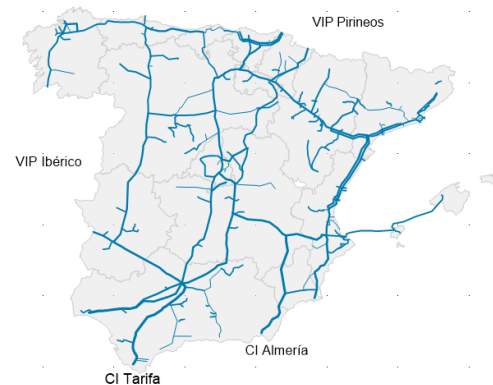
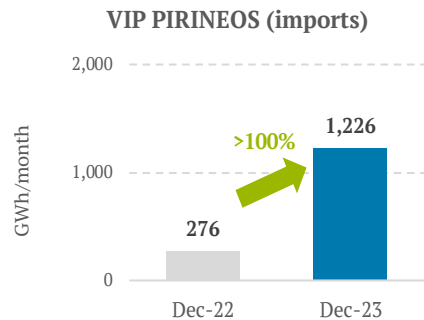
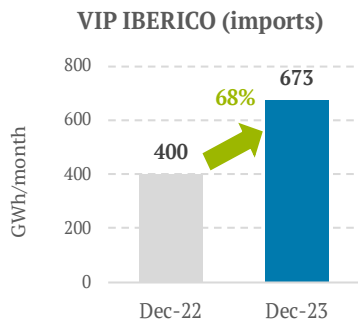
1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant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

2.1 Demand coverage: Origin of supplies

Unit: GWh		Monthly accumulated			Annual accumulated		Moving Annual Total	
		Dec-2023	% s TOTAL	Dec-2022	Jan-Dec 2023	% s TOTAL	MAT: Jan 2023-Dec 2023	% s TOTAL
Algeria	NG	9.192	36,7%	9.606	94.872	29,2%	94.872	29,2%
	LNG	815		0	21.410		21.410	
France	NG	1.226	4,5%	276	14.453	3,9%	14.453	3,9%
	LNG	0		0	1.089		1.089	
Angola	LNG	0	0,0%	0	3.111	0,8%	3.111	0,8%
Cameroon	LNG	0	0,0%	1.036	3.309	0,8%	3.309	0,8%
United States	LNG	3.702	13,6%	12.552	83.898	21,1%	83.898	21,1%
Equatorial Guinea	LNG	0	0,0%	0	1.891	0,5%	1.891	0,5%
Nigeria	LNG	2.627	9,6%	2.772	53.992	13,6%	53.992	13,6%
Peru	LNG	0	0,0%	0	3.865	1,0%	3.865	1,0%
Qatar	LNG	1.752	6,4%	1.090	14.169	3,6%	14.169	3,6%
Russia	LNG	5.481	20,1%	5.453	72.690	18,3%	72.690	18,3%
Trinidad	LNG	0	0,0%	1.912	6.487	1,6%	6.487	1,6%
Oman	LNG	0	0,0%	0	2.902	0,7%	2.902	0,7%
Belgium	LNG	0	0,0%	0	0	0,0%	0	0,0%
Egypt	LNG	821	3,0%	2.474	4.475	1,1%	4.475	1,1%
Portugal	NG	673	2,5%	400	10.058	2,5%	10.058	2,5%
Australia	NG	0	0,0%	0	70	0,0%	70	0,0%
South Korea	NG	0	0,0%	0	0	0,0%	0	0,0%
Indonesia	NG	0	0,0%	0	0	0,0%	0	0,0%
Mozambique	LNG	0	0,0%	0	0	0,0%	0	0,0%
National deposits	NG	47	0,2%	33	268	0,1%	268	0,1%
National Biogas	NG	26	0,1%	17	244	0,1%	244	0,1%
TOTAL		27.291	100%	38.164	397.897	100%	397.897	100%



2.1 Demand coverage : Interconnection Points



(*) SL-ATR data

2.1 Demand coverage : Interconnection Points

Net balances

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Dec-2023	Dec-2022	%Δ s/2022	Jan-Dec 2023	%Δ s/2022	TAM: Jan 2023 - Dec 2023	%Δ TAM vs 2022
Tarifa	-809	-527	53,5%	-9.471	>100%	-9.471	>100%
Almería	9.192	9.606	-4,3%	94.842	-6,1%	94.842	-6,1%
VIP Ibérico	312	-567	<-100%	3.582	<-100%	3.582	<-100%
VIP Pirineos	-261	-4.991	-94,8%	-22.926	65,8%	-22.926	65,8%
National Deposits	47	33	40,9%	268	-19,8%	268	-19,8%
Biogas	26	17	53,1%	244	76,9%	244	76,9%
Total	8.507	3.571	138,2%	66.539	-21,3%	66.539	-21,3%

+ Transport network input

- Transport network output

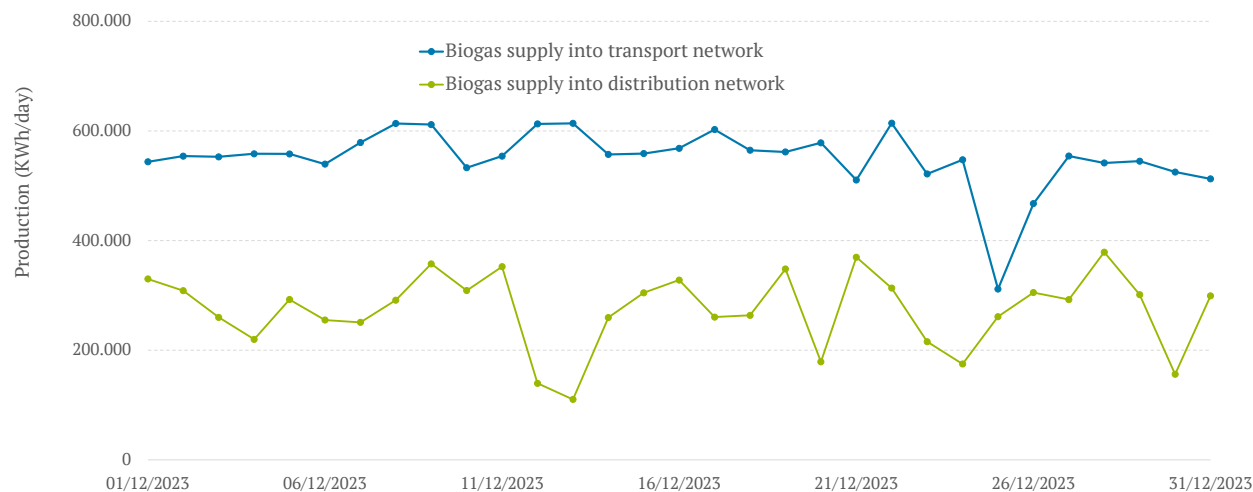


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3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Dec-2023	Dec-2023	%Δ s/2022	Jan-Dec 2023	%Δ s/2022	MAT: Jan 2023-Dec 2023	%Δ s/2022
BIOGAS injected into transport network	17,1	14,4	18,6%	171,2	24,1%	171,2	24,1%
BIOGAS injected into distribution network	8,5	2,3	270,4%	72,9	93,4%	72,9	93,4%
Total	25,6	16,7	53,1%	244,1	38,9%	244,1	38,9%



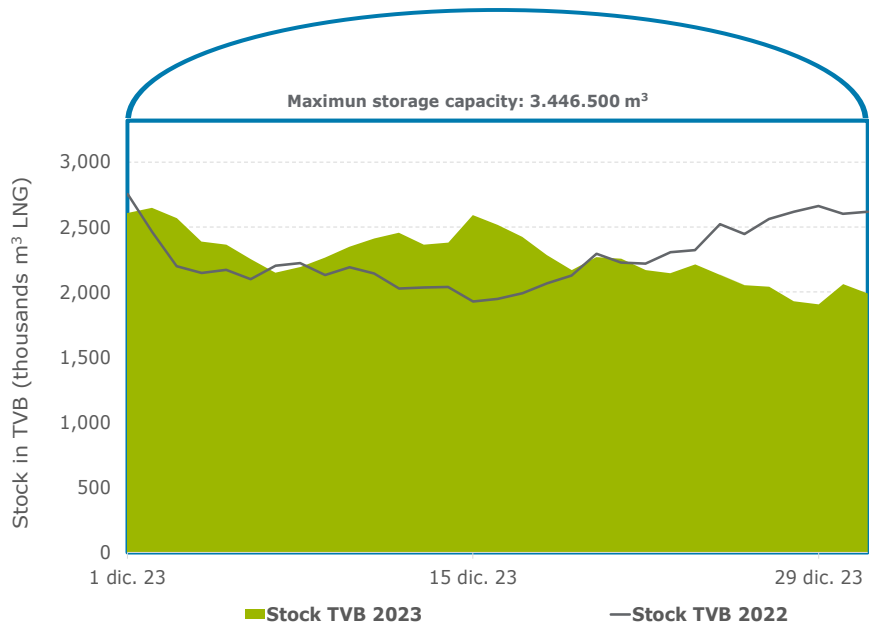
(*) Table: Allocation data from the SL-ATR



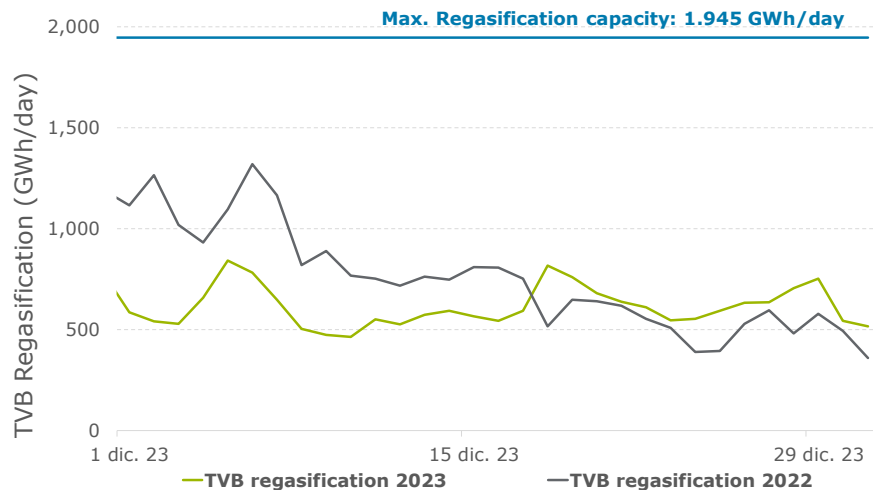
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4. TVB activity

TVB stock evolution



Regasification in TVB



December 2023

GWh/month

Total regasification capacity	60,295
Contracted regasification capacity	20,535
Available regasification capacity	39,760
Commercial regasification	18,939

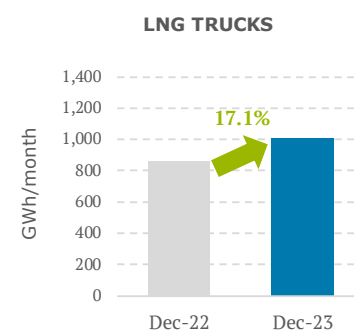
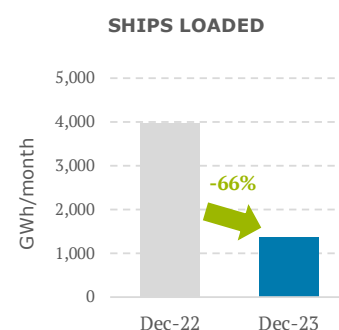
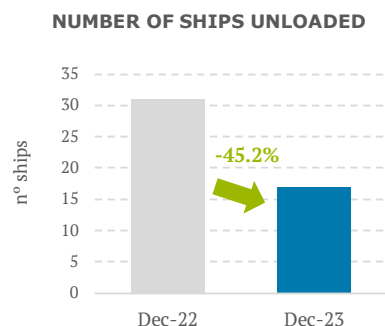
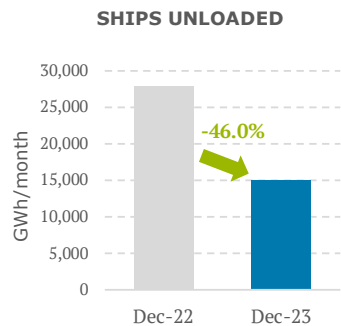
* Due to the commissioning of the El Musel plant, the nominal regasification capacity from TVB has been increased by the amount strictly necessary for the efficient management of boil-off gas in accordance with the environmental requirements to which this plant is subject.



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5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Dec-2023	Dec-2022	%Δ s/2022	Dec-2023	Dec-2022	%Δ s/2022	Dec-2023	Dec-2022	%Δ s/2022	Dec-2023	Dec-2022	%Δ s/2022
BARCELONA	2,074	5,304	-60.9%	2	6	-66.7%	47	907	-94.8%	191	198	-3.5%
HUELVA	2,676	5,050	-47.0%	3	5	-40.0%	140	635	-78.0%	194	171	13.6%
CARTAGENA	2,596	3,559	-27.1%	4	4	0.0%	1,166	608	92.0%	203	164	23.9%
BILBAO	4,401	5,822	-24.4%	5	7	-28.6%	0	0	>100%	112	101	11.4%
SAGUNTO	0	3,966	-100.0%	0	5	-100.0%	0	1,800	-100.0%	183	143	28.7%
MUGARDOS	3,279	4,131	-20.6%	3	4	-25.0%	0	0	>100%	90	84	8.1%
MUSEL (*)	0		>100%	0		>100%	0		-	32		>100%
Total	15,027	27,831	-46.0%	17	31	-45.2%	1,353	3,949	-66%	1,006	859	17.1%



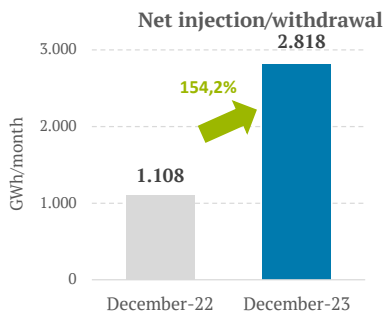
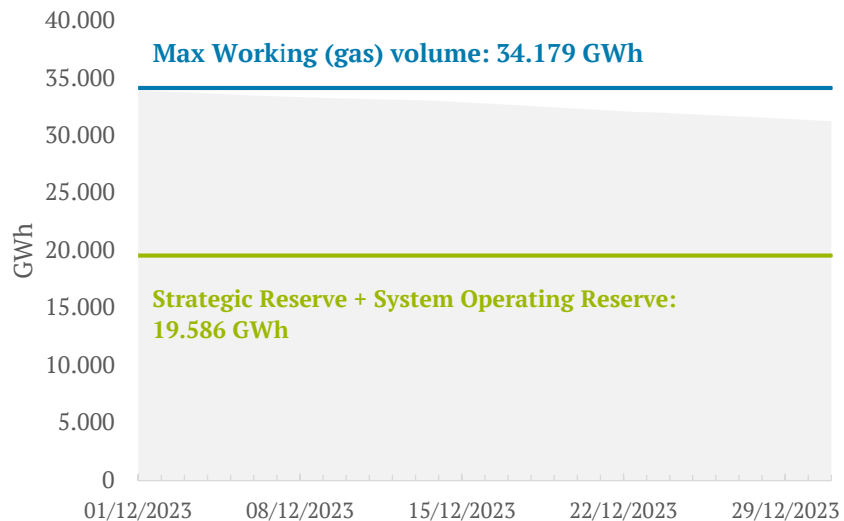
(*) Unloads at El Musel terminal in order to carry out the commissioning of the terminal.



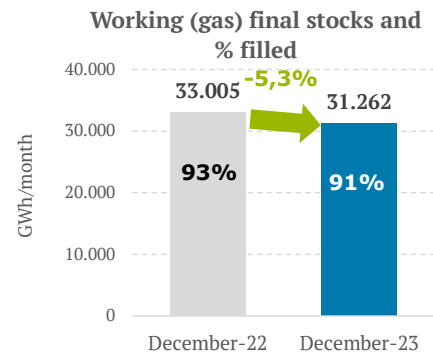
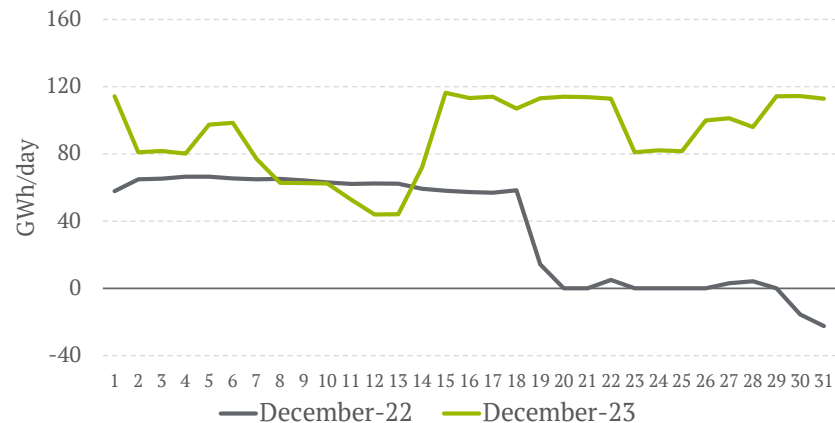
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6. UGS activity

Working gas evolution



Daily withdrawal/injection





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

7. Operating notes and other relevant facts

Operating notes:

- In **December 2023**, no Operation notes have been published.

Relevant facts:

- No relevant fact has been published this month



