

Statistical bulletin

January 2023

AVANCE

Technical Management of the System

GTS_DEMANDA@enagas.es

February-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

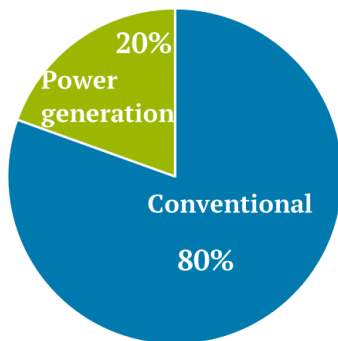
6. Underground Storage activity

7. Operating notes and other relevant facts

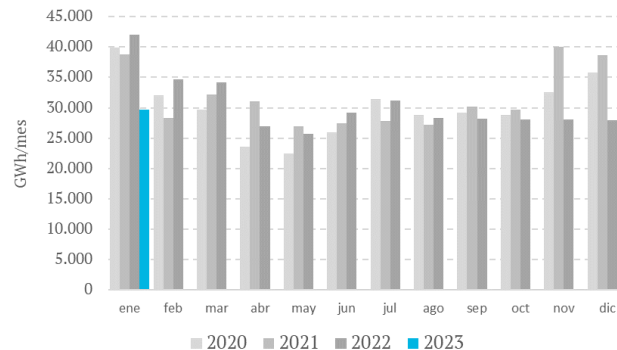
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Jan-2023	%Δ s/2022	Jan 2023	%Δ s/2022	MAT: Feb 2022-Jan 2023	%Δ MAT vs 2022
National Market demand	29.678	-29,3%	29.678	-29,3%	352.141	-3,4%
Conventional	23.887	-21,1%	23.887	-21,1%	220.012	-2,8%
Power generation	5.791	-50,5%	5.791	-50,5%	132.129	-4,3%
International Market demand	8.036	>100%	8.036	>100%	72.493	6,6%
International conexions exports	4.132	>100%	4.132	>100%	45.513	5,5%
LNG Vessel loading	3.904	>100%	3.904	>100%	26.981	8,5%
TOTAL	37.714	-17,1%	37.714	-17,1%	424.634	-1,8%

National market demand January 2023

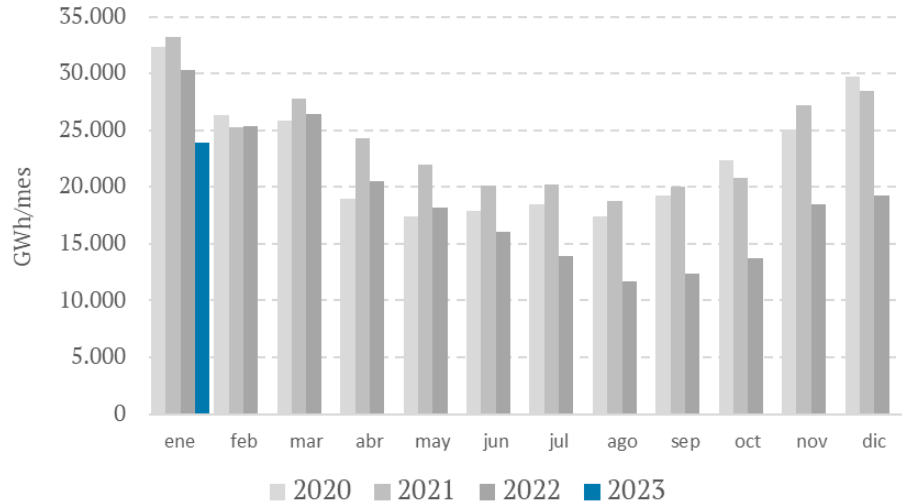


Total Demand

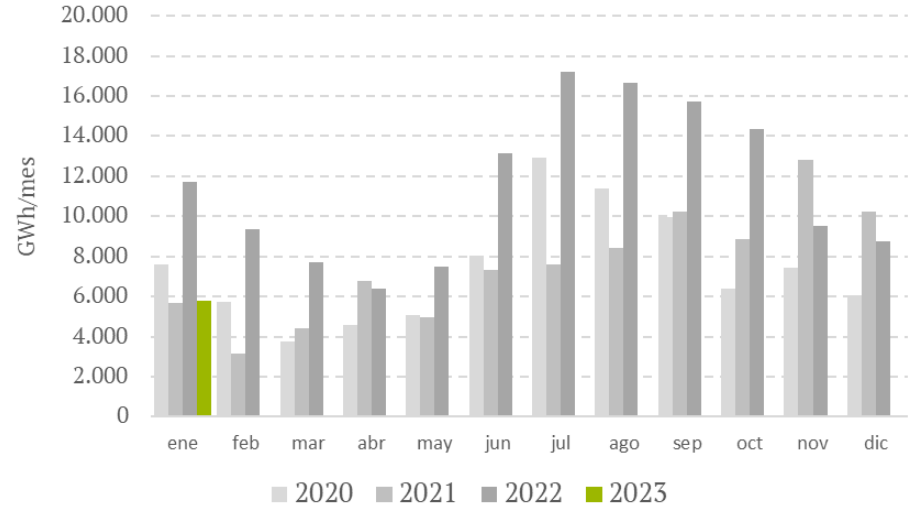


1. Evolution of gas demand

Final Demand



Demand for Power generation



1.1 Evolution of gas demand. Conventional

Demand

 Conventional market

-21,1% 

Lower than the previous year

Temperatures

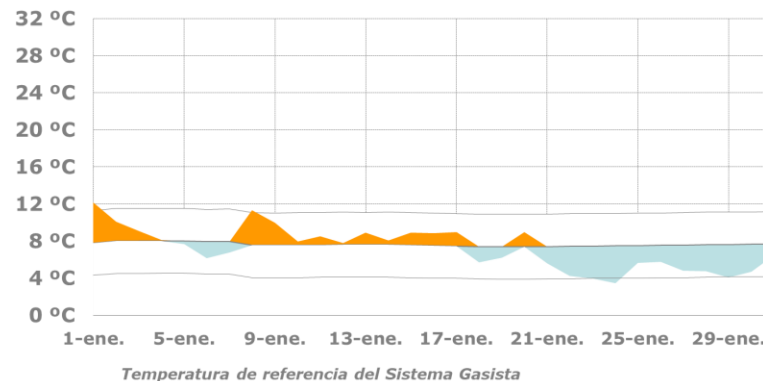


+0,12°C 

Higher than the previous year

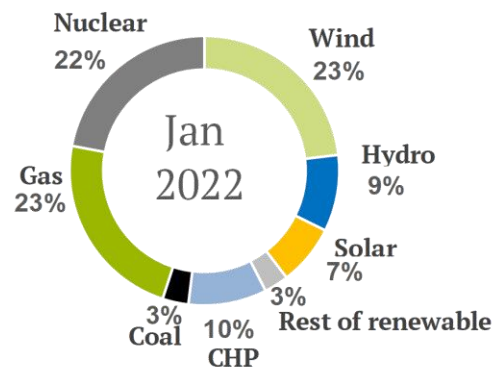
Demand	Conventional demand		Accumulated		MAT	
	Jan 2023 (*)		Jan 2023		Feb 2022-Jan 2023	
	GWh	%22 s/21	GWh	%22 s/21	GWh	% TAM s/21
	23.887	-21,1%	23.887	-21,1%	220.012	-2,8%
Calendar		1,5%		1,5%		0,2%
Temperature		-3,7%		-3,7%		-0,5%
Amended demand		-18,8%		-18,8%		-2,5%

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

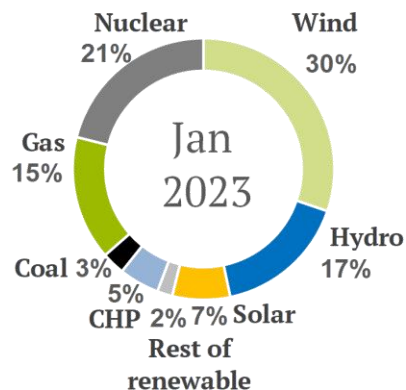


1.2 Power generation– electricity generation mix

TWh (e)	Jan 2022	Jan 2023
Power generation	21,5	20,8
Wind	5,3	7,4
Hydraulic	2,1	4,0
Solar	1,7	1,7
Rest of renewable	0,7	0,5
Cogeneration	2,2	1,2
Thermal Gap	6,0	4,5
Coal	0,7	0,7
Gas	5,2	3,8
% gas in TG	88%	84%
Nuclear	5,0	5,2
International balances	-1,2 export	-0,9 export



Gas demand for Power Generation
5,8 TWh (g)



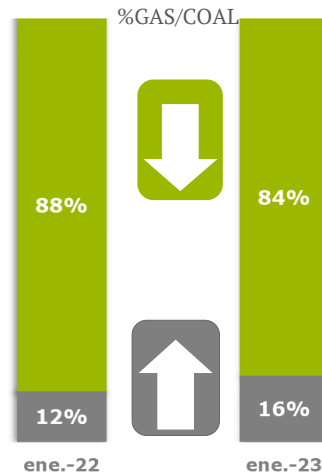
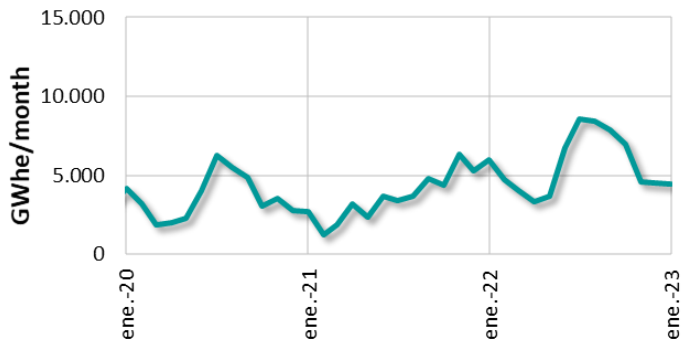
Gas demand for Power Generation
11,7 TWh (g)

1.2 Power generation – Thermal Gap evolution

Thermal Gap

-25%

Than the previous year



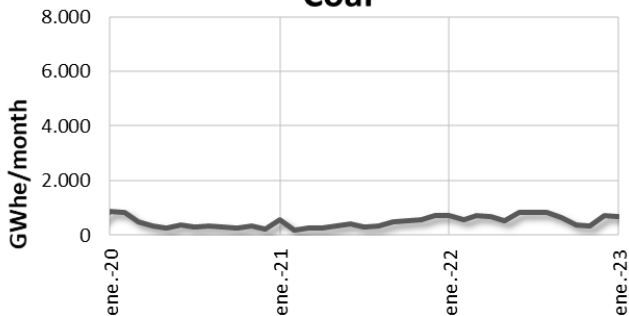
■ Generation gas mix

-47,7 GWh(e)/day

■ Generation coal mix

-0,6 GWh(e)/day

Coal

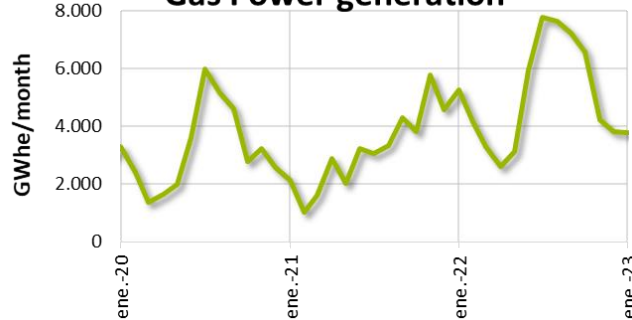


-0,02 TWh/month(e)



-2% vs jan-22

Gas Power generation



-1,5 TWh/month(e)

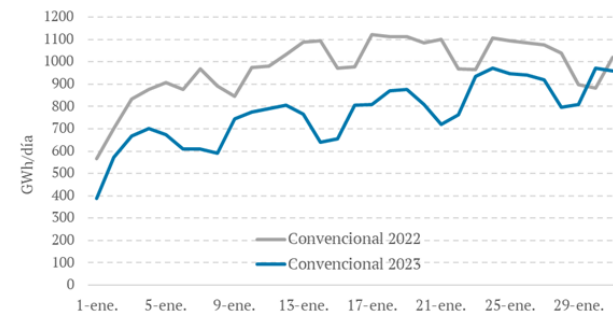


-28% vs jan-22

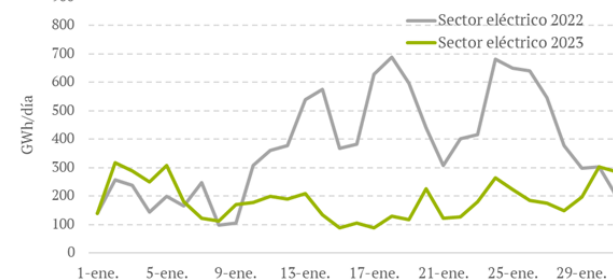
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Jan-2023	%Δ vs Jan 2022	Jan-2023	%Δ vs Jan 2022	Jan-2023	%Δ vs Jan 2022
Andalucía	2.060	-27,5%	1.016	-55,6%	184	-28,5%
Aragón	1.407	-21,2%	61	-88,1%	48	-18,7%
Asturias	581	-21,8%	324	-56,6%	16	7,4%
Baleares	109	-7,2%	632	-29,1%	4	-13,2%
Cantabria	335	-38,6%			4	-24,2%
Castilla - La Mancha	1.011	-23,0%	318	-19,7%	73	-26,5%
Castilla y León	2.040	-17,3%			66	-22,7%
Cataluña	4.800	-20,6%	798	-25,5%	156	-21,9%
Comunidad Valenciana	2.070	-26,1%	319	-71,4%	86	-16,1%
Extremadura	225	-0,1%			35	-20,9%
Galicia	871	-27,0%	692	2,3%	52	-37,5%
La Rioja	315	-11,3%	285	81,8%	8	120,9%
Madrid	3.887	-9,4%			67	83,3%
Murcia	687	-37,6%	746	-45,2%	55	-19,5%
Navarra	682	-12,4%	149	-87,4%	16	-17,6%
País Vasco	1.850	-26,5%	451	-65,3%	40	171,2%

Daily evolution Conventional Demand



Daily evolution Power Generation

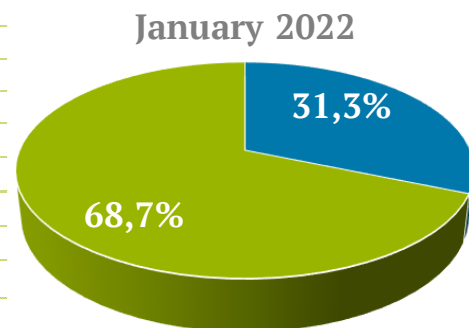
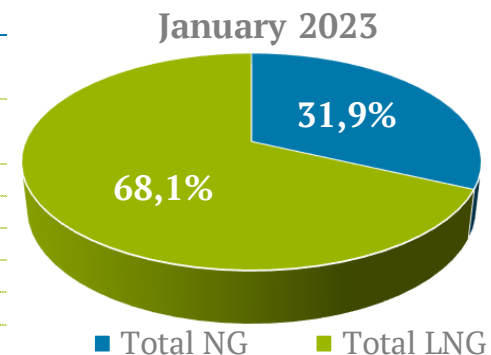




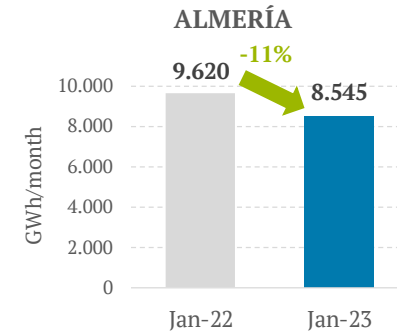
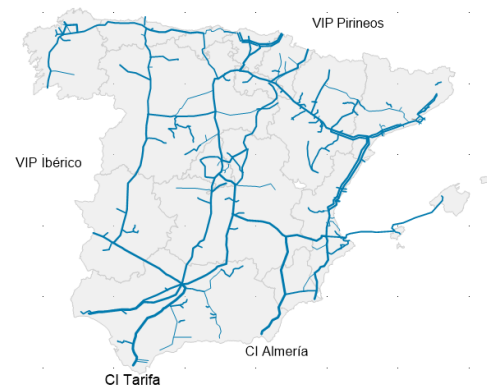
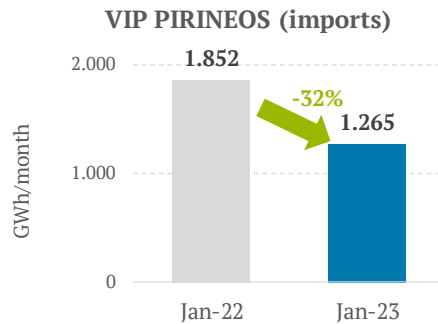
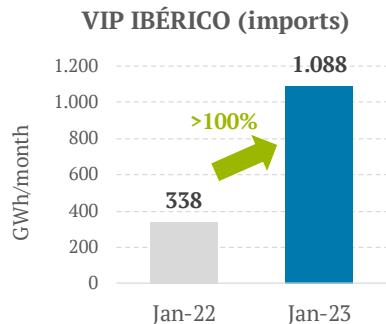
1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant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

2.1 Demand coverage: Origin of supplies

Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)		
		Jan-2023	% s TOTAL	Jan-2022	Jan 2023	% s TOTAL	MAT: Feb 2022-Jan 2023	% s TOTAL
Algeria	NG	8.545	25,0%	9.620	8.545	25,0%	99.876	23,8%
	LNG	0		0	0		5.447	
France	NG	1.265	3,7%	1.852	1.265	3,7%	20.960	5,0%
	LNG	0		0	0		1.068	
Angola	LNG	0	0,0%	0	0	0,0%	3.103	0,7%
Cameroon	LNG	0	0,0%	0	0	0,0%	3.179	0,7%
United States	LNG	7.102	20,7%	13.103	7.102	20,7%	123.763	27,9%
Equatorial Guinea	LNG	0	0,0%	997	0	0,0%	4.946	1,1%
Nigeria	LNG	6.932	20,2%	5.045	6.932	20,2%	63.791	14,4%
Peru	LNG	0	0,0%	0	0	0,0%	1.920	0,4%
Qatar	LNG	879	2,6%	876	879	2,6%	14.476	3,3%
Russia	LNG	6.372	18,6%	2.178	6.372	18,6%	58.052	13,1%
Trinidad	LNG	426	1,2%	840	426	1,2%	13.156	3,0%
Oman	LNG	0	0,0%	1.925	0	0,0%	3.851	0,9%
Belgium	LNG	0	0,0%	0	0	0,0%	1.094	0,2%
Egypt	LNG	596	1,7%	1.011	596	1,7%	14.637	3,3%
Portugal	NG	1.088	3,2%	338	1.088	3,2%	5.437	1,2%
Australia	NG	70	0,2%	0	70	0,2%	70	0,0%
South Korea	NG	0	0,0%	0	0	0,0%	167	0,0%
Indonesia	NG	0	0,0%	0	0	0,0%	474	0,1%
Mozambique	LNG	0	0,0%	0	0	0,0%	542	0,1%
National deposits	NG	20	0,1%	27	20	0,1%	326	0,1%
National Biogas	NG	16	0,0%	12	16	0,0%	141	0,0%
TOTAL		34.237	100%	37.824	34.237	100%	442.963	100%



2.1 Demand coverage : Interconnection Points



(*) SL-ATR data

2.1 Demand coverage : Interconnection Points

Saldos Netos

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Jan-2023	Jan-2022	%Δ s/2021	Jan 2023	%Δ s/2021	MAT: Feb 2022-Jan 2023	%Δ MAT vs 2021
Tarifa	-536	0	>100%	-536	<-100%	-2.418	28,5%
Almería	8.545	9.620	-11,2%	8.545	-11,2%	99.876	-1,1%
VIP Ibérico	525	177	>100%	525	>100%	-837	-29,4%
VIP Pirineos	-1.791	270	<-100%	-1.791	<-100%	-15.885	14,9%
National Deposits	20	27	-26,6%	20	-26,6%	326	-2,1%
Biogas	16	12	25,0%	16	25,0%	141	2,2%
Total	6.778	10.106	-32,9%	6.778	-32,9%	81.204	-3,9%

+ Transport network input

- Transport network output

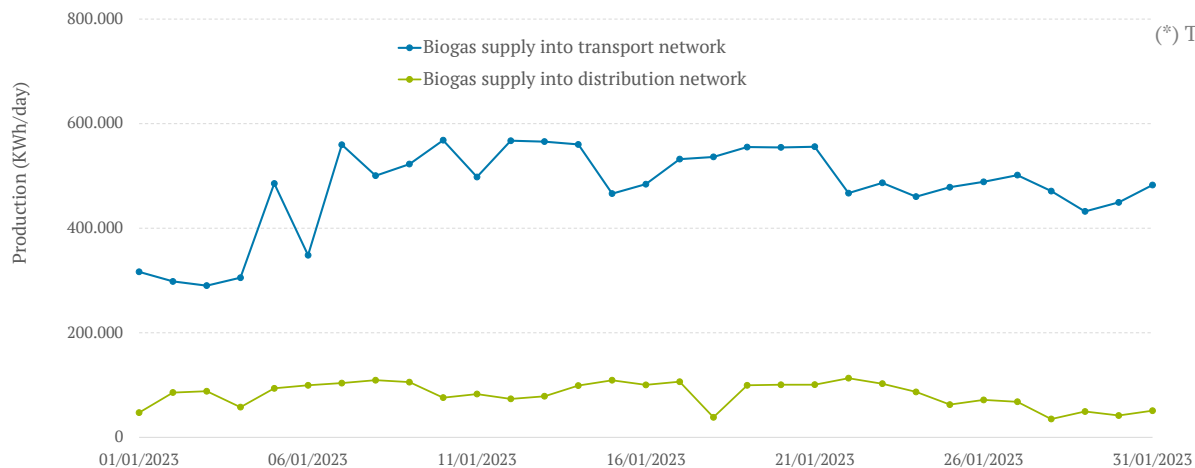


1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. Demand coverage
 1. Origin of supplies
 2. Interconnection Points
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant facts

3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Jan-2023	Jan-2023	%Δ s/2022	Jan 2023	%Δ s/2022	MAT: Feb 2022-Jan 2023	%Δ s/2022
BIOGAS injected into transport network	15,5	12,4	25,0%	15,5	25,0%	141,1	2,2%
BIOGAS injected into distribution network	2,5	2,8	-9,7%	2,5	-9,7%	37,4	>100%
Total	18,0	15,2	18,6%	18,0	18,6%	178,5	1,6%



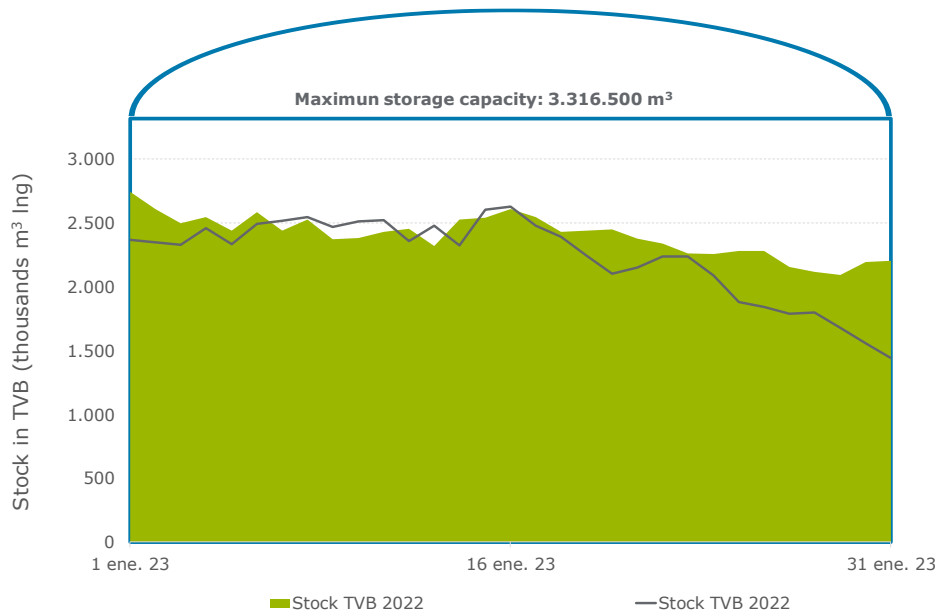
(*) Table: Allocation data from the SL-ATR



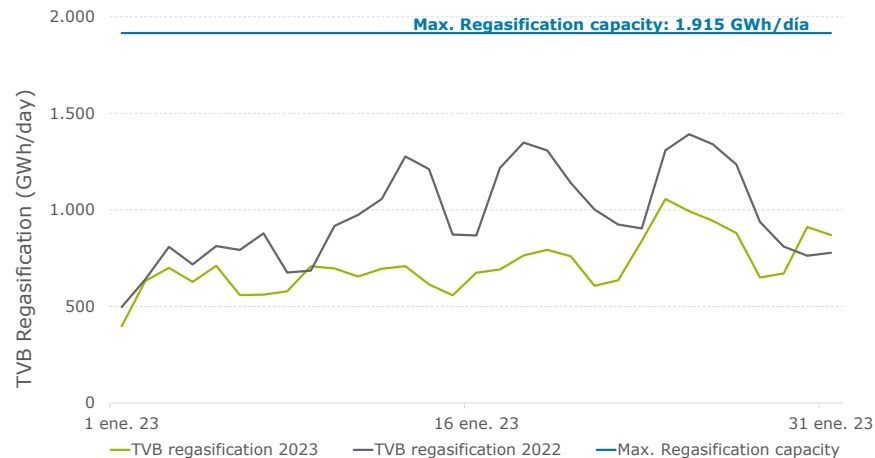
1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. Demand coverage
 1. Origin of supplies
 2. Interconnection Points
3. Renewable gases
4. **TVB activity**
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant facts

4. TVB activity

TVB stock evolution



Regasification in TVB



January 2023

GWh/month

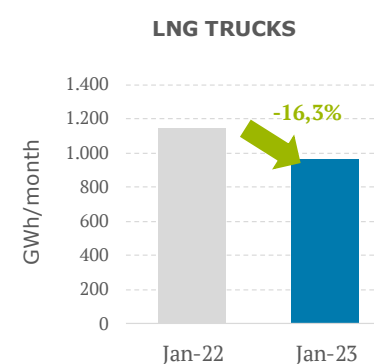
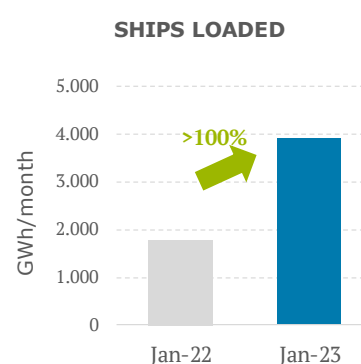
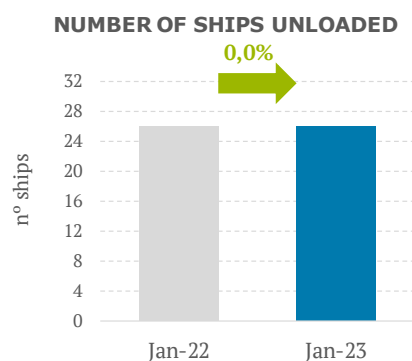
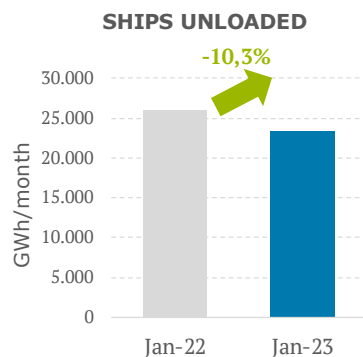
Total regasification capacity	59.365
Contracted regasification capacity	26.177
Available regasification capacity	33.188
Commercial regasification	20.686



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

5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Jan-2023	Jan-2022	%Δ s/2021	Jan-2023	Jan-2022	%Δ s/2021	Jan-2023	Jan-2022	%Δ s/2021	Jan-2023	Jan-2022	%Δ s/2021
BARCELONA	2.475	6.249	-60,4%	3	7	-57,1%	940	28	>100%	218	248	-12,0%
HUELVA	7.038	4.241	66,0%	7	4	75,0%	508	45	>100%	182	233	-21,9%
CARTAGENA	3.237	5.362	-39,6%	5	5	0,0%	428	0	>100%	198	261	-24,2%
BILBAO	4.215	4.055	3,9%	4	4	0,0%	0	733	-100,0%	111	93	19,5%
SAGUNTO	3.130	4.016	-22,1%	4	4	0,0%	1.730	979	76,7%	158	180	-12,4%
MUGARDOS	3.211	2.054	56,3%	3	2	50,0%	304	0	>100%	92	131	-29,7%
Total	23.305	25.976	-10,3%	26	26	0,0%	3.909	1.785	>100%	958	1.145	-16,3%

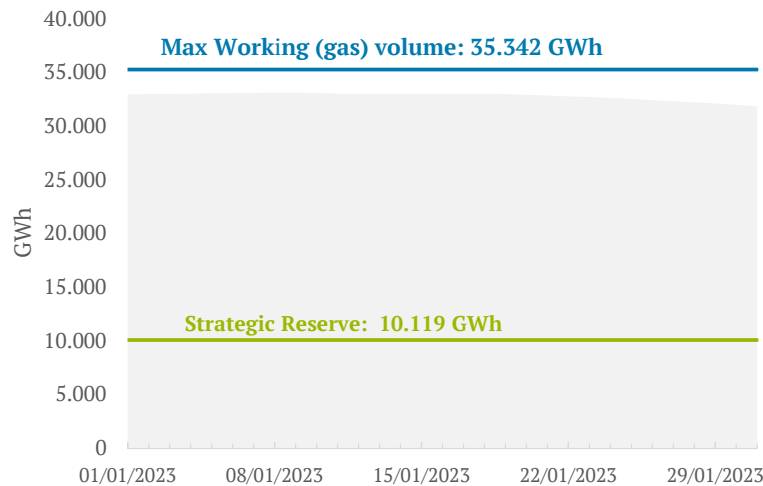




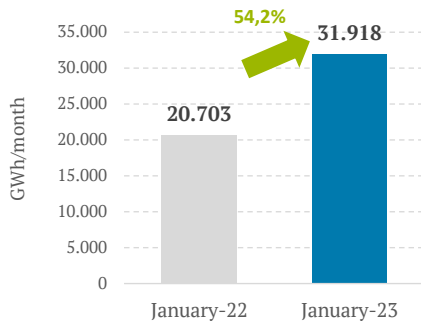
1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. Demand coverage
 1. Origin of supplies
 2. Interconnection Points
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. **Underground Storage activity**
7. Operating notes and other relevant facts

6. UGS activity

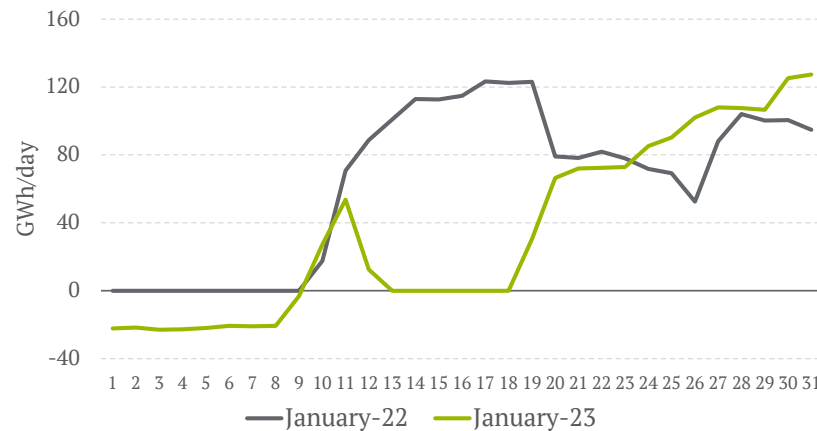
Working gas evolution



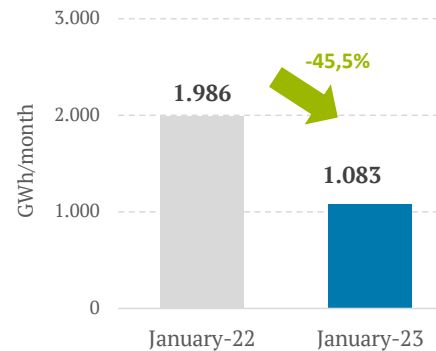
Working (gas) volumes



Daily injection



Withdrawal





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**

7. Operating notes and other relevant facts

Operating notes:

- ❑ In **January 2023**, one Operation note has been published.
 - ❖ Operation note nº1: Declaration of Exceptional Operating Situation Level 0. Zero Level – Cold Snap.

Relevant facts:

- ❑ No relevant fact has been published this month



Thank You

