

Statistical bulletin

February 2023

AVANCE

Technical Management of the System

GTS_DEMANDA@enagas.es

March-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

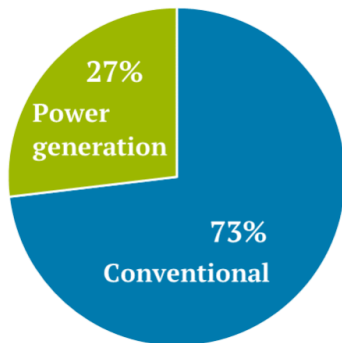
6. Underground Storage activity

7. Operating notes and other relevant facts

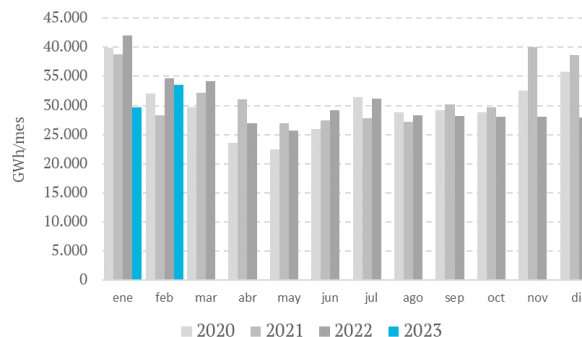
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Feb-2023	%Δ s/ 2022	Jan-feb 2023	%Δ s/2022	MAT: Mar 2022-Feb 2023	%Δ MAT vs 2022
National Market demand	33.528	-3,4%	63.206	-17,6%	350.953	-3,7%
Conventional	24.516	-3,4%	48.404	-13,0%	219.165	-3,2%
Power generation	9.012	-3,6%	14.802	-29,7%	131.789	-4,5%
International Market demand	4.937	30,9%	12.996	78,0%	73.687	8,4%
International conexions exports	3.382	95,6%	7.536	>100%	47.190	9,4%
LNG Vessel loading	1.555	-23,9%	5.460	42,6%	26.497	6,6%
TOTAL	38.465	-0,1%	76.202	-9,3%	424.641	-1,8%

National market demand February 2023

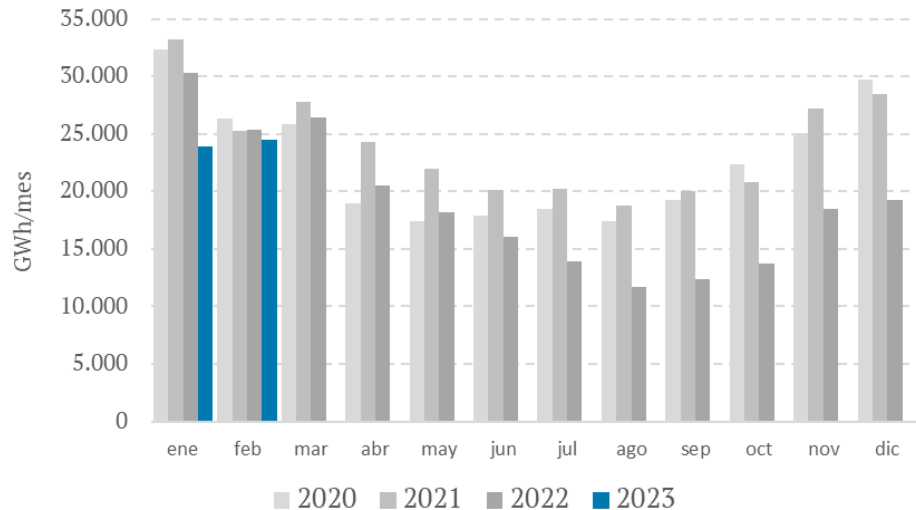


Total Demand

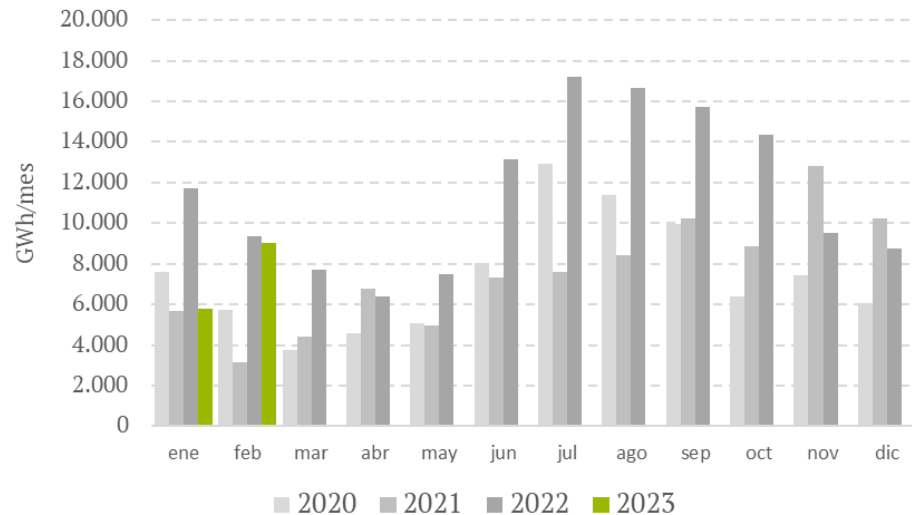


1. Evolution of gas demand

Final Demand



Demand for Power generation



1.1 Evolution of gas demand. Conventional

Demand

 Conventional market

-3,4%

Lower than the previous year

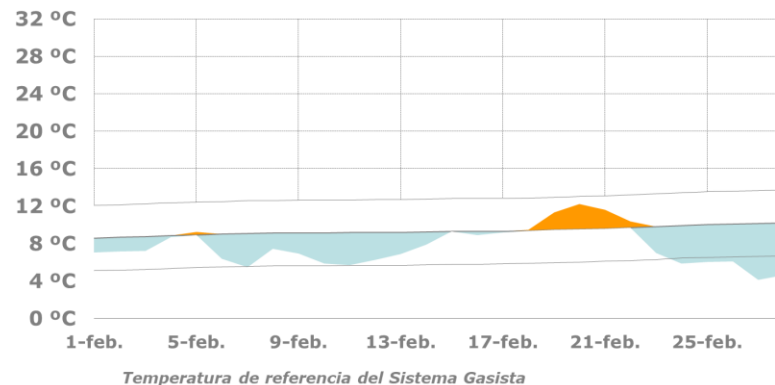
Temperatures

-2°C

Lower than the previous year

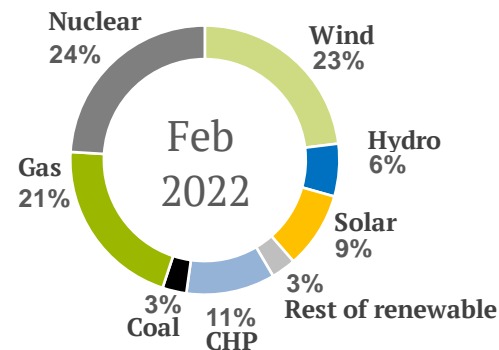
Demand	Conventional demand		Accumulated		MAT	
	Feb 2023 (*)		Jan-Feb 2023		Mar22-Feb23	
	GWh	%23 s/22	GWh	%23 s/22	GWh	% TAM s/22
	24.516	-3,4%	48.404	-13,0%	219.165	-3,2%
Calendar		0,0%		0,9%		0,2%
Temperature		3,2%		-0,6%		-0,1%
Amended demand		-6,6%		-13,3%		-3,3%

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

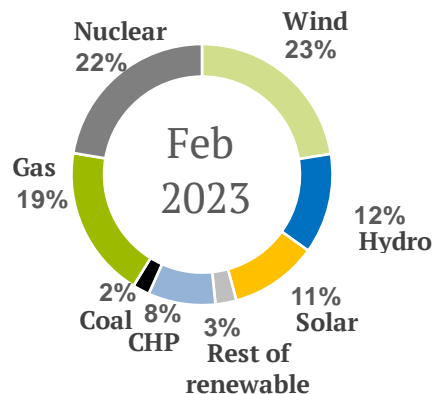


1.2 Power generation– electricity generation mix

TWh (e)	Feb 2022	Feb 2023
Power generation	19,1	19,3
Wind	4,6	4,6
Hydraulic	1,3	2,6
Solar	1,8	2,2
Rest of renewable	0,6	0,5
Cogeneration	2,1	1,7
Thermal Gap	4,7	4,3
Coal	0,6	0,4
Gas	4,1	3,9
% gas in TG	88%	90%
Nuclear	4,8	4,6
International balances	-0,5	-0,9
	export	export



Gas demand for Power Generation
9,3 TWh (g)



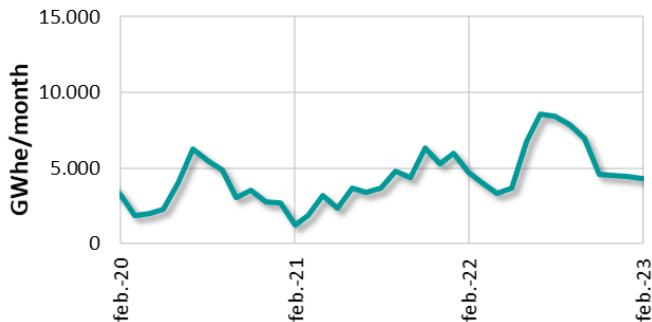
Gas demand for Power Generation
9 TWh (g)

1.2 Power generation – Thermal Gap evolution

Thermal Gap

-9%

Than the previous year



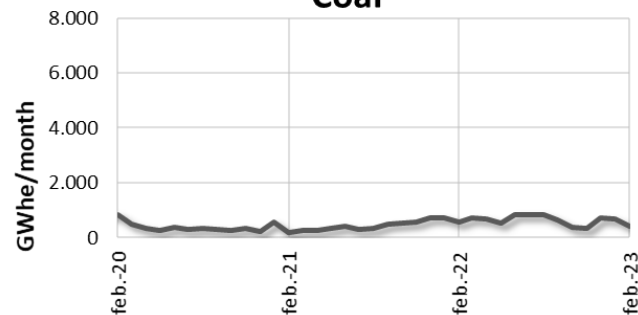
■ Generation gas mix

-9,5 GWh(e)/day

■ Generation coal mix

-5 GWh(e)/day

Coal

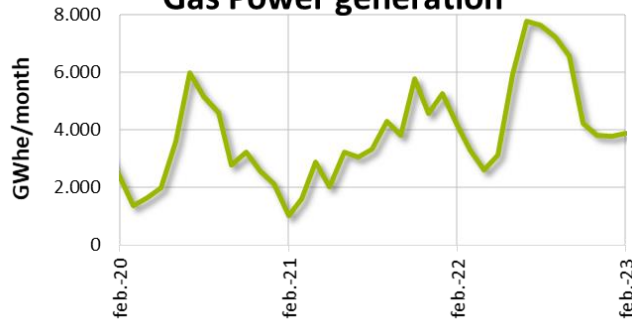


-0,1 TWh/month(e)



-25% vs feb-22

Gas Power generation



-0,3 TWh/month(e)

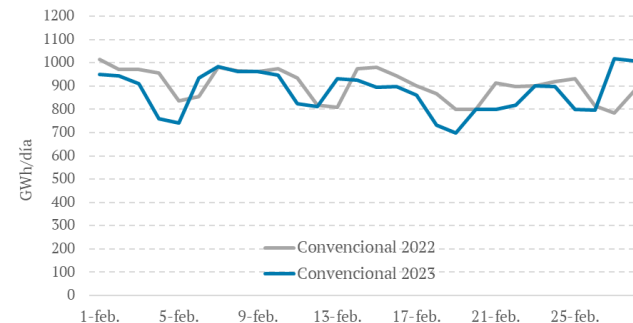


-6% vs feb-22

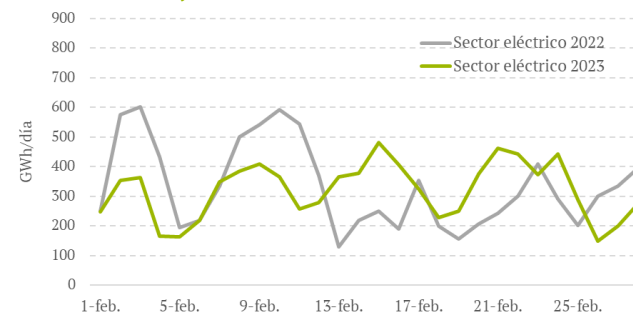
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Feb-2023	%Δ vs Feb 2022	Feb-2023	%Δ vs Feb 2022	Feb-2023	%Δ vs Feb 2022
Andalucía	2.304	-9,2%	2.059	38,0%	204	-18,1%
Aragón	1.335	-11,1%	605	-19,9%	48	-29,6%
Asturias	610	-2,8%	670	28,5%	14	-39,9%
Baleares	107	5,3%	711	-6,7%	6	13,6%
Cantabria	437	-9,7%			5	23,7%
Castilla - La Mancha	1.059	4,6%	403	59,8%	73	-13,0%
Castilla y León	1.999	-5,1%			68	-6,9%
Cataluña	4.901	2,3%	1.121	25,4%	145	-20,2%
Comunidad Valenciana	2.475	-12,4%	545	17,1%	78	-14,1%
Extremadura	201	3,8%			29	-18,0%
Galicia	885	-16,5%	694	-9,3%	60	-18,8%
La Rioja	300	3,4%	332	102,1%	8	59,1%
Madrid	3.328	7,0%			95	185,2%
Murcia	919	10,2%	910	-31,5%	57	-20,3%
Navarra	655	4,0%	632	-30,8%	12	-41,9%
País Vasco	2.027	-7,5%	328	-68,3%	39	149,6%

Daily evolution Conventional Demand



Daily evolution Power Generation



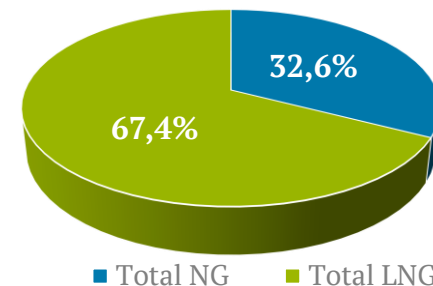


1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant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

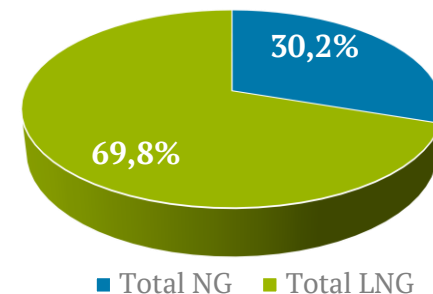
2.1 Demand coverage: Origin of supplies

Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)		
		Feb-2023	% s TOTAL	Feb-2022	Jan-Feb 2023	% s TOTAL	MAT: Mar 2022-Feb 2023	% s TOTAL
Algeria	NG	7.406	23,5%	8.801	15.951	24,2%	98.481	23,8%
	LNG	75		0	75		5.522	
France	NG	2.575	8,1%	1.904	3.840	5,8%	21.631	5,2%
	LNG	0		0	0		1.068	
Angola	LNG	0	0,0%	0	0	0,0%	3.103	0,7%
Cameroon	LNG	1.108	3,5%	0	1.108	1,7%	4.287	1,0%
United States	LNG	7.263	22,8%	12.472	14.365	21,7%	118.554	27,1%
Equatorial Guinea	LNG	971	3,0%	935	971	1,5%	4.982	1,1%
Nigeria	LNG	2.792	8,8%	8.014	9.724	14,7%	58.569	13,4%
Peru	LNG	0	0,0%	0	0	0,0%	1.920	0,4%
Qatar	LNG	1.762	5,5%	879	2.641	4,0%	15.359	3,5%
Russia	LNG	5.465	17,2%	2.174	11.837	17,9%	61.344	14,0%
Trinidad	LNG	997	3,1%	1.987	1.424	2,2%	12.166	2,8%
Oman	LNG	0	0,0%	0	0	0,0%	3.851	0,9%
Belgium	LNG	0	0,0%	0	0	0,0%	1.094	0,3%
Egypt	LNG	1.045	3,3%	0	1.641	2,5%	15.683	3,6%
Portugal	NG	364	1,1%	708	1.452	2,2%	5.094	1,2%
Australia	NG	0	0,0%	0	70	0,1%	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	32	0,1%	30	51	0,1%	328	0,1%
National Biogas	NG	6	0,0%	7	22	0,0%	140	0,0%
TOTAL		31.862	100%	37.911	66.100	100%	436.914	100%

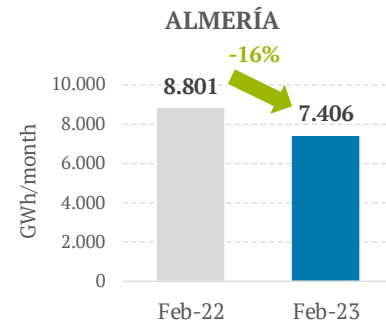
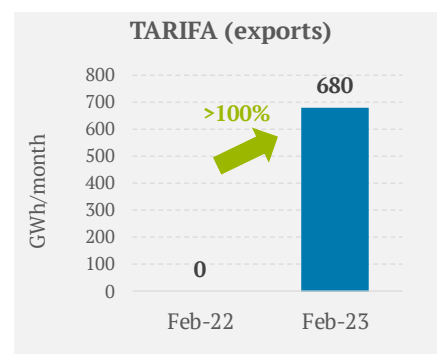
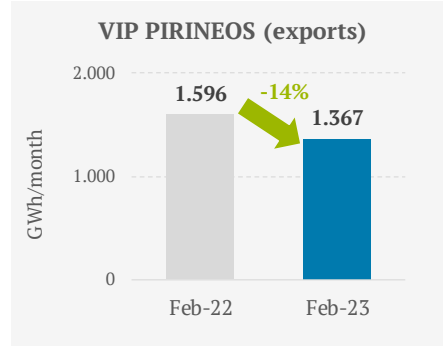
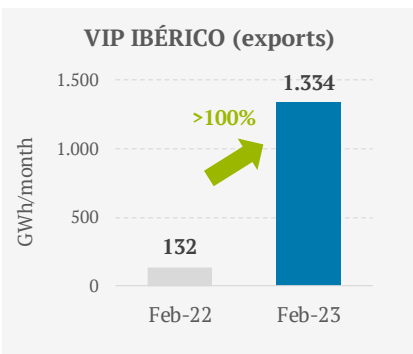
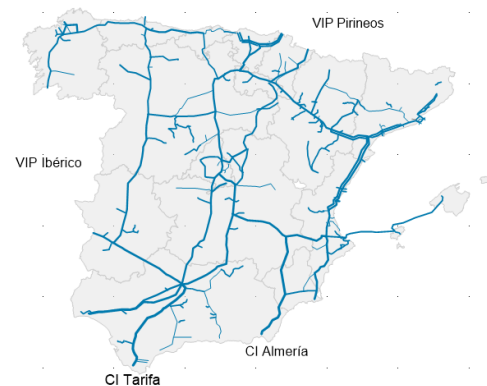
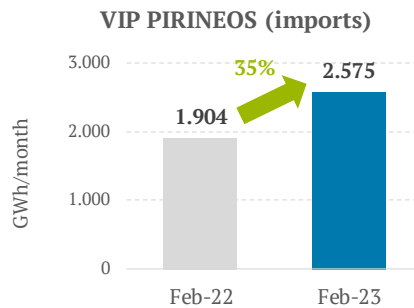
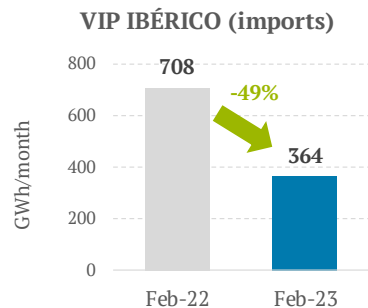
February 2023



February 2022



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	
	Feb-2023	Feb-2022	%Δ s/2022	Jan-Feb 2023	%Δ s/2022	MAT: Mar 2022-Feb 2023	%Δ MAT vs 2022
Tarifa	-680	0	>100%	-1.216	<-100%	-3.098	64,6%
Almería	7.406	8.801	-15,9%	15.951	-13,4%	98.481	-2,4%
VIP Ibérico	-970	575	<-100%	-445	<-100%	-2.382	>100%
VIP Pirineos	1.208	308	>100%	-583	<-100%	-14.985	8,4%
National Deposits	32	30	4,7%	51	-10,0%	328	-1,7%
Biogas	6	7	-11,2%	22	12,2%	140	1,7%
Total	7.002	9.722	-28,0%	13.779	-30,5%	78.484	-7,2%

+ Transport network input

- Transport network output

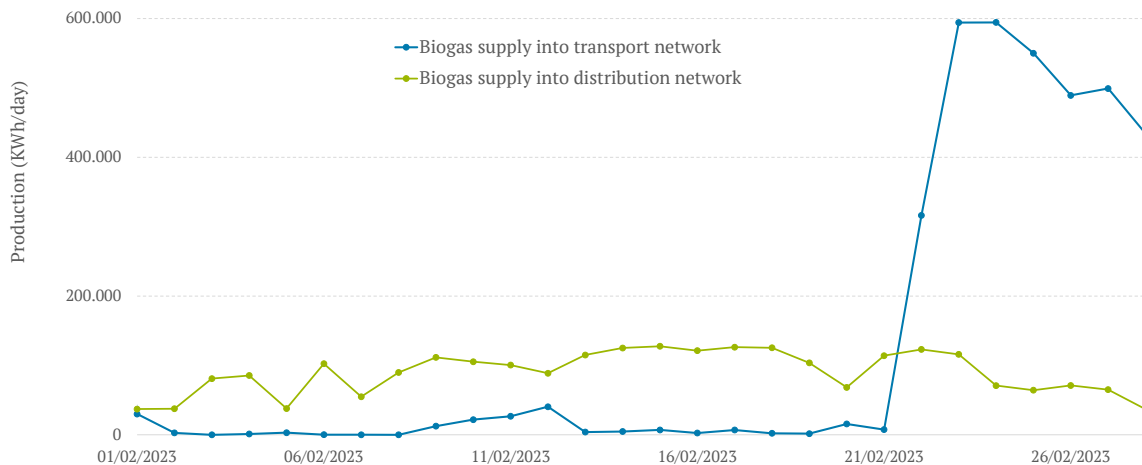


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3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Feb-2023	Feb-2023	%Δ s/2022	Jan-Feb 2023	%Δ s/2022	MAT: Mar 2022-Feb 2023	%Δ s/2022
BIOGAS injected into transport network	6,0	6,8	-11,2%	21,5	12,2%	140,3	1,7%
BIOGAS injected into distribution network	2,5	5,5	-54,1%	5,0	-39,0%	34,5	-8,6%
Total	8,5	12,3	-30,3%	26,6	-3,3%	174,8	-0,5%



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

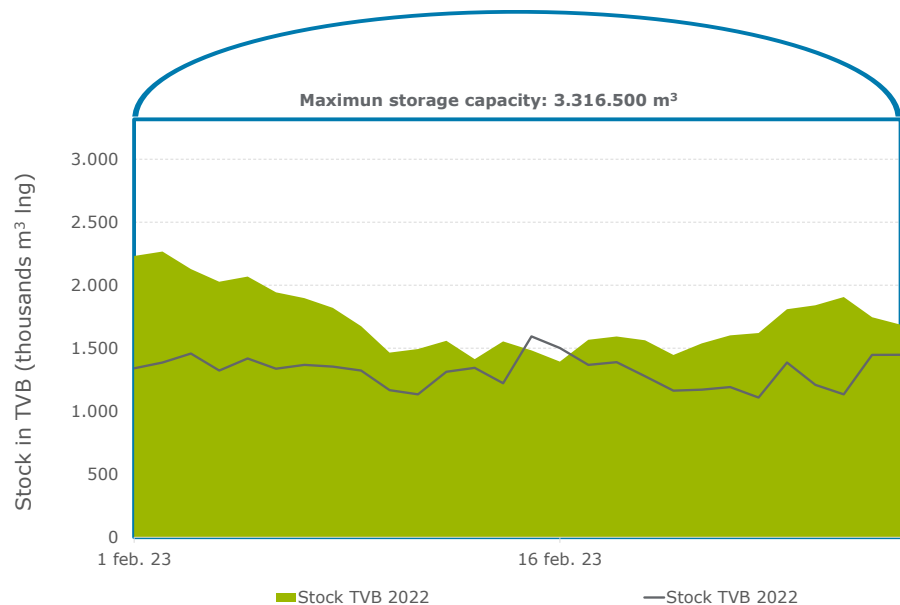
Between 01st Feb and 22nd Feb, preventive maintenance was carried out in Vallecas Biogas.



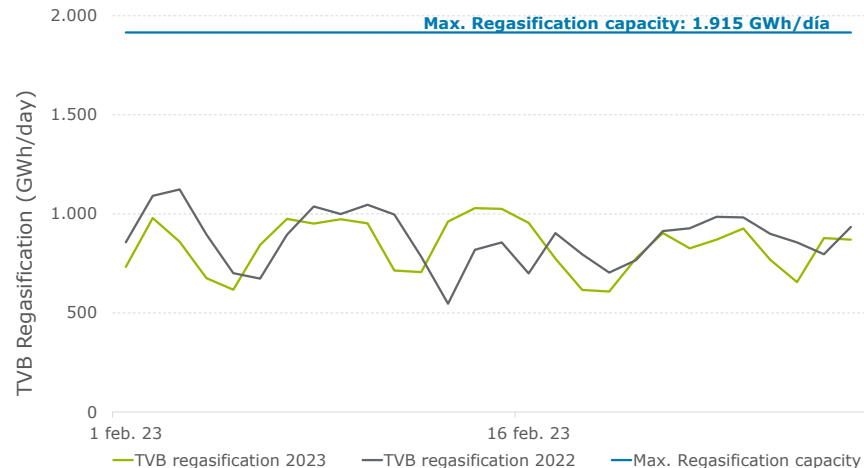
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4. TVB activity

TVB stock evolution



Regasification in TVB



February 2023

GWh/month

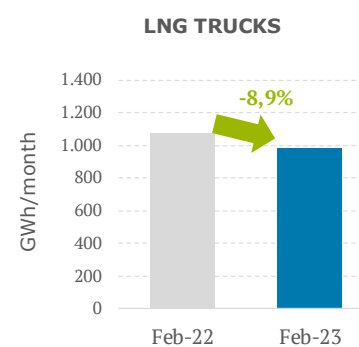
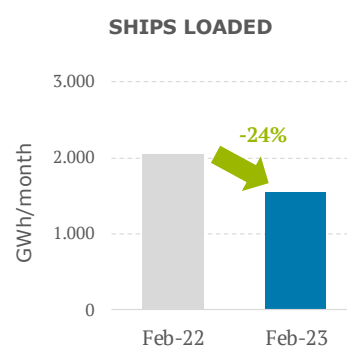
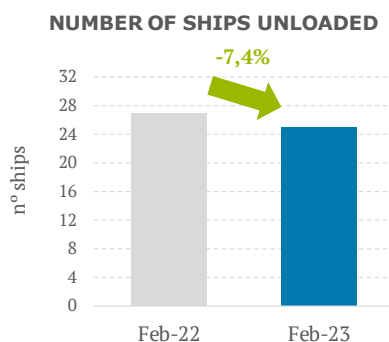
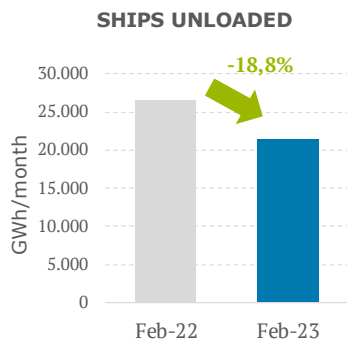
Total regasification capacity	53.620
Contracted regasification capacity	25.219
Available regasification capacity	28.401
Commercial regasification	23.219



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7. Operating notes and other relevant facts

5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Feb-2023	Feb-2022	%Δ s/2022	Feb-2023	Feb-2022	%Δ s/2022	Feb-2023	Feb-2022	%Δ s/2022	Feb-2023	Feb-2022	%Δ s/2022
BARCELONA	2.499	5.283	-52,7%	4	5	-20,0%	474	99	>100%	208	239	-12,9%
HUELVA	5.496	6.377	-13,8%	5	7	-28,6%	39	1.003	-96,1%	194	218	-11,1%
CARTAGENA	2.841	4.464	-36,4%	3	5	-40,0%	428	942	-54,6%	210	241	-12,9%
BILBAO	6.333	4.102	54,4%	7	4	75,0%	0	0	>100%	109	97	11,9%
SAGUNTO	2.104	4.223	-50,2%	4	4	0,0%	552	0	>100%	155	163	-5,0%
MUGARDOS	2.206	2.011	9,7%	2	2	0,0%	62	0	>100%	103	116	-11,3%
Total	21.479	26.460	-18,8%	25	27	-7,4%	1.555	2.044	-24%	980	1.076	-8,9%

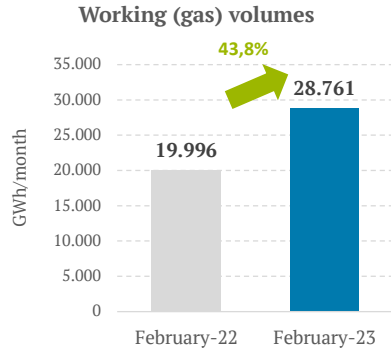
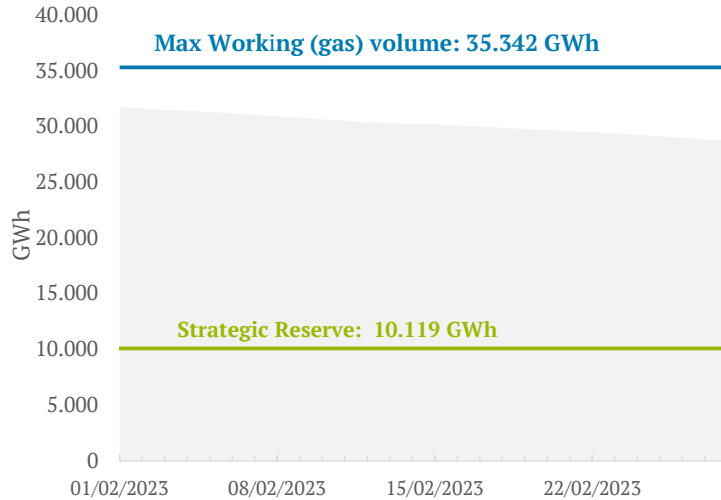




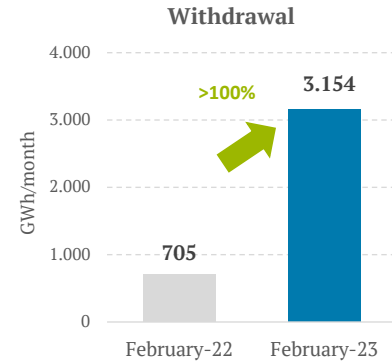
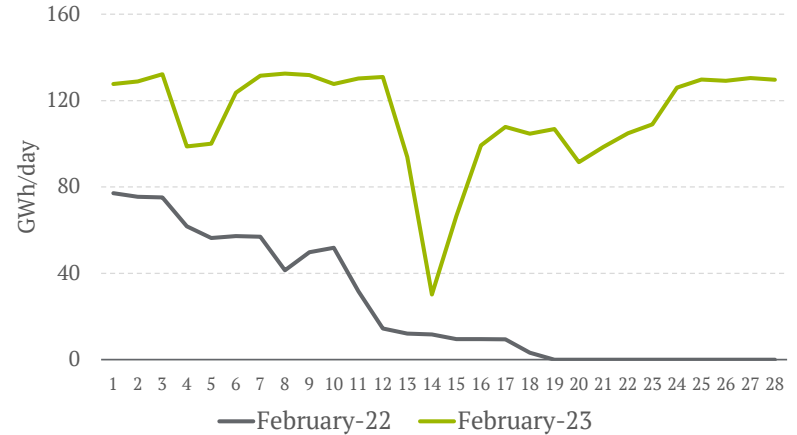
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6. UGS activity

Working gas evolution



Daily withdrawal





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

7. Operating notes and other relevant facts

Operating notes:

- ❑ In **February 2023**, three Operation notes has been published.
 - ❖ Operation note n°2: Orden TED/72/2023: minimum level of shippers' security stocks of an operational nature
 - ❖ Operation note n°3: exceptional operating situation – zero level– unavailability of Euskadour compressor station.
 - ❖ Operation note n°4: Declaration of Exceptional Operating Situation Level 0. Zero Level – Cold Snap.

Relevant facts:

- ❑ No relevant fact has been published this month



Thank You

