

Statistical bulletin

October 2023

PRELIMINARY

Technical Management of the System

GTS_DEMANDA@enagas.es

November-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

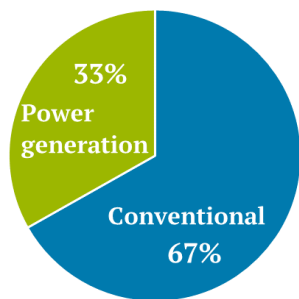
6. Underground Storage activity

7. Operating notes and other relevant facts

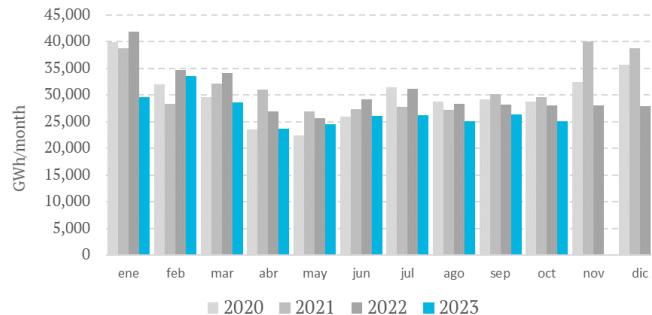
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Oct-2023	%Δ s/2022	Jan-Oct 2023	%Δ s/2022	MAT: Nov 2022-Oct 2023	%Δ MAT vs 2022
National Market demand	25,068	-10.6%	269,017	-12.8%	325,002	-10.8%
Conventional	16,747	22.3%	186,134	-1.3%	223,850	-1.1%
Power generation	8,320	-42.0%	82,883	-30.8%	101,152	-26.7%
International Market demand	6,261	-10.0%	64,297	26.0%	81,266	19.5%
International conections exports	3,599	27.8%	45,397	41.4%	56,421	30.8%
LNG Vessel loading	2,662	-35.8%	18,901	-0.1%	24,845	-0.1%
TOTAL	31,328	-10.5%	333,314	-7.3%	406,268	-6.0%

National market demand October 2023

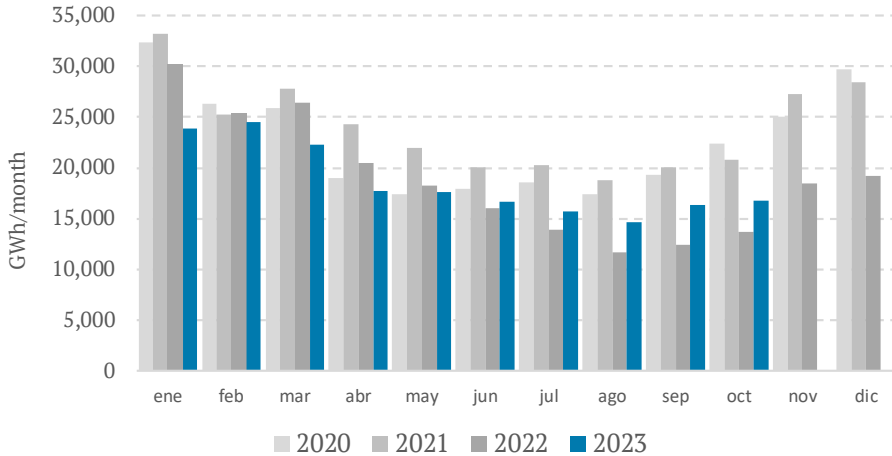


Total Demand

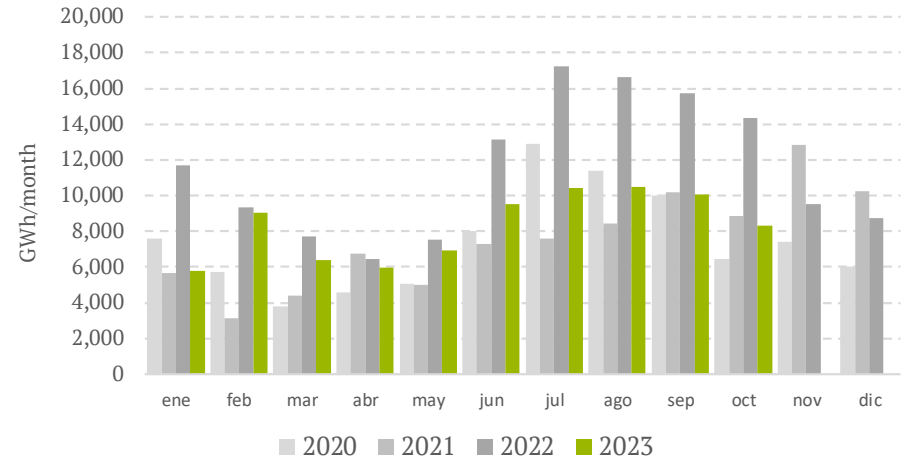


1. Evolution of gas demand

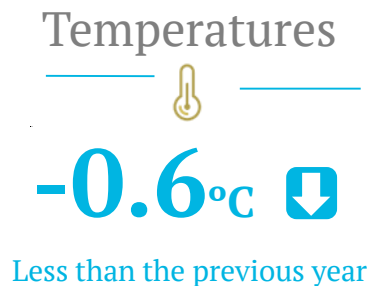
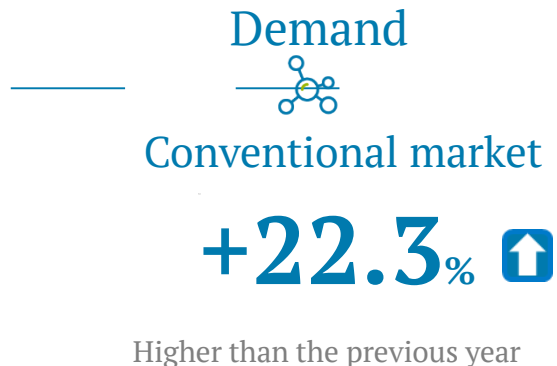
Final Demand



Demand for Power generation

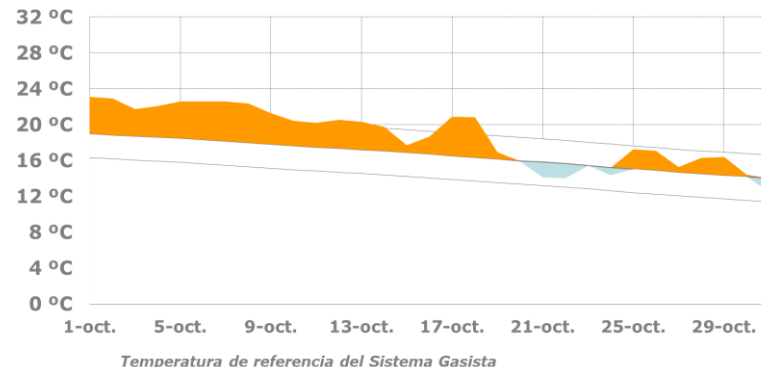


1.1 Evolution of gas demand. Conventional



Demand	Conventional demand		Accumulated		MAT	
	Oct 2023 (*)		Jan-Oct 2023		Nov22-Oct23	
	GWh	%23 s/22	GWh	%23 s/22	GWh	% TAM s/22
Calendar	16.747	22,3%	186.134	-1,3%	223.850	-1,1%
Temperature		3,4%		1,0%		0,8%
Amended demand		2,2%		-2,9%		-2,4%
		16,7%		0,5%		0,4%

* 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 October 1 st to 31 st	2023 October 1 st to 31 st	Δ 2023 vs 2022	% Δ 2023 vs 2022
Power generation	18.1	18.5	0.3	1.9%
Wind	5.0	5.8	0.8	16.2%
use of installed capacity [GW]	29.3	29.7	0.5	1.6%
% utilization of total installed	23%	26%		
Solar	2.1	2.7	0.6	28.3%
use of installed capacity [GW]	20.6	25.1	4.4	21.6%
% utilization of total installed	14%	15%		
Hydro	0.7	1.6	0.8	117.0%
Rest of renewable	0.4	0.3	-0.1	-20.8%
Cogeneration	1.2	1.3	0.1	4.2%
Nuclear	4.0	3.8	-0.3	-6.5%
Coal	0.4	0.4	0.0	-2.1%
Natural gas	6.5	3.3	-3.1	-48.2%
International exchanges	-2.1	-0.4	1.7	83.0%
export	export			
France	-0.9	0.5	1.4	
Portugal	-0.9	-0.7	0.3	
Morocco	-0.2	-0.2	0.1	

Amended
demand in terms
of working days
and temperatures

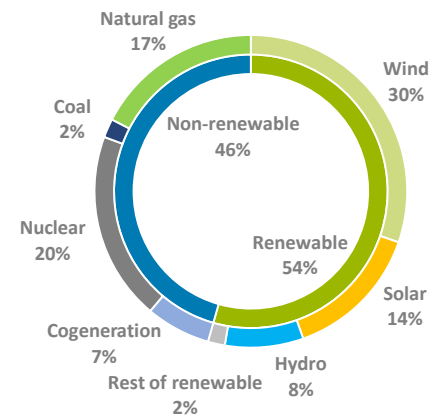
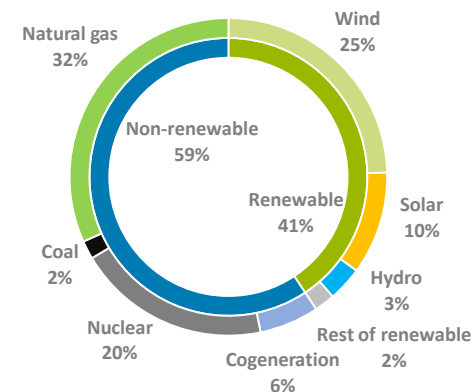
0.8%

2022

**Gas demand for
Power Generation
14.3 TWh (g)**

2023

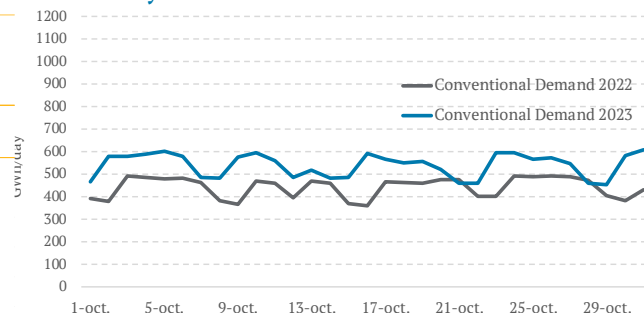
**Gas demand for
Power Generation
8.3 TWh (g)**



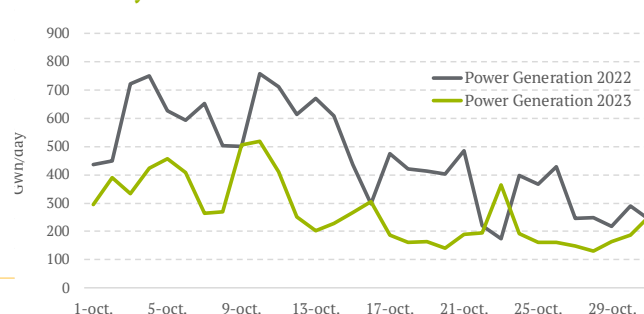
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Oct-2023	%Δ vs Oct 2022	Oct-2023	%Δ vs Oct 2022	Oct-2023	%Δ vs Oct 2022
Andalucía	2,174	42.6%	1,859	-50.0%	180	4.6%
Aragón	839	10.1%	162	-50.2%	49	-13.7%
Asturias	415	27.2%	417	-50.3%	25	64.0%
Baleares	82	16.9%	717	-11.2%	9	-1.9%
Cantabria	308	-3.6%	0	0.0%	26	672.6%
Castilla - La Mancha	843	35.7%	237	-23.3%	59	1.7%
Castilla y León	1,266	24.4%	0	0.0%	72	50.2%
Cataluña	2,906	16.0%	1,381	-25.3%	127	20.4%
Comunidad Valenciana	1,770	-7.8%	713	-40.4%	107	33.6%
Extremadura	146	-1.0%	0	0.0%	42	30.3%
Galicia	755	19.8%	702	-37.0%	40	-1.6%
La Rioja	151	22.3%	277	-18.5%	4	-35.3%
Madrid	1,244	28.2%	0	0.0%	87	119.4%
Murcia	1,125	133.6%	908	-43.3%	47	35.7%
Navarra	403	9.4%	438	-41.2%	16	-11.9%
País Vasco	1,388	22.2%	494	-66.6%	39	13.3%

Daily evolution Conventional Demand



Daily evolution Power Generation

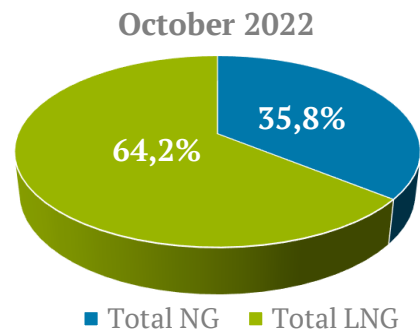
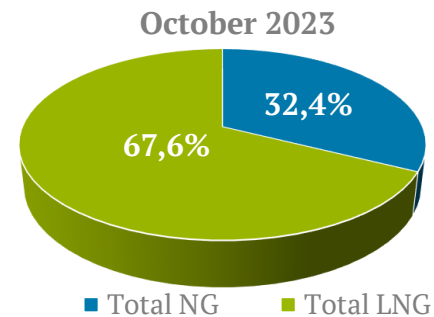




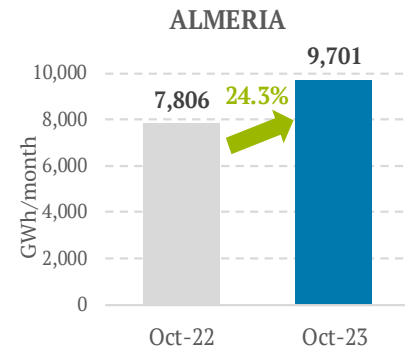
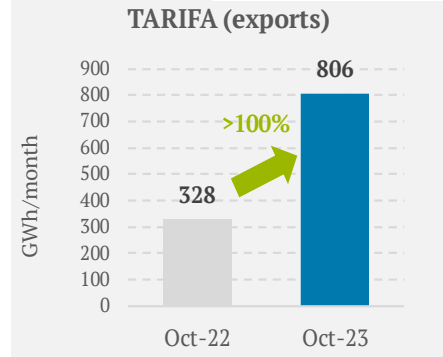
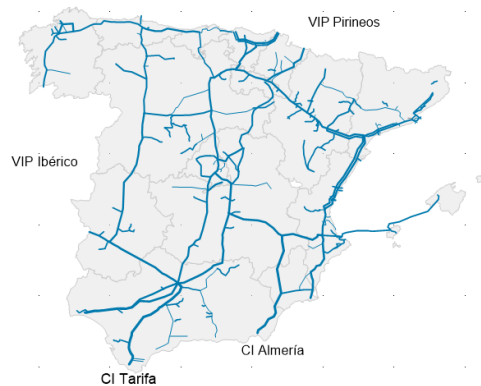
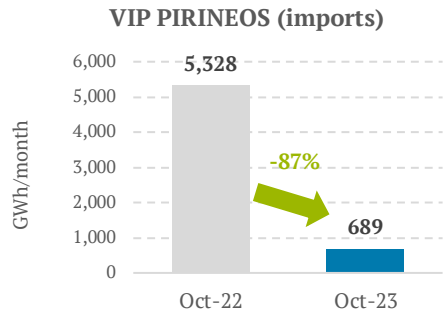
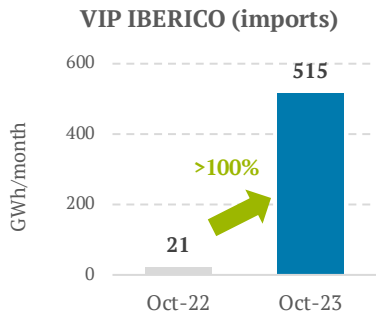
1. Evolution of gas demand
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 2. Power generation
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2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
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		
		Oct-2023	% s TOTAL	Oct-2022	Jan-Oct 2023	% s TOTAL	MAT: Nov 2022-Oct 2023	% s TOTAL
Algeria	NG	9.701	46,5%	7.806	76.327	28,8%	92.327	27,6%
	LNG	6.040		0	20.423		20.423	
France	NG	689	2,0%	5.328	12.719	4,1%	14.087	3,7%
	LNG	0		0	1.089		1.089	
Angola	LNG	0	0,0%	0	3.111	0,9%	3.111	0,8%
Cameroon	LNG	1.103	3,3%	0	3.309	1,0%	4.345	1,1%
United States	LNG	6.965	20,6%	6.346	67.444	20,1%	88.168	21,6%
Equatorial Guinea	LNG	0	0,0%	2.021	1.891	0,6%	1.891	0,5%
Nigeria	LNG	1.756	5,2%	5.684	47.659	14,2%	55.173	13,5%
Peru	LNG	0	0,0%	0	3.865	1,2%	4.705	1,2%
Qatar	LNG	1.815	5,4%	1.763	11.539	3,4%	14.389	3,5%
Russia	LNG	4.280	12,6%	4.328	60.770	18,1%	72.176	17,6%
Trinidad	LNG	0	0,0%	972	6.487	1,9%	10.205	2,5%
Oman	LNG	0	0,0%	979	2.902	0,9%	4.815	1,2%
Belgium	LNG	0	0,0%	0	0	0,0%	0	0,0%
Egypt	LNG	0	0,0%	976	3.654	1,1%	7.507	1,8%
Portugal	NG	515	1,5%	21	8.689	2,6%	9.754	2,4%
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%	542	0,1%
National deposits	NG	41	0,1%	42	211	0,1%	281	0,1%
National Biogas	NG	12	0,0%	12	138	0,0%	168	0,0%
TOTAL		33.838	100%	36.898	336.011	100%	408.940	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	
	Oct-2023	Oct-2022	%Δ s/2022	Jan-Oct 2023	%Δ s/2022	MAT: Nov 2022-Oct 2023	%Δ MAT vs 2022
Tarifa	-806	-328	>100%	-8,062	<-100%	-9,142	>100%
Almería	9,701	7,806	24.3%	76,327	-10.2%	92,327	-8.5%
VIP Ibérico	-11	-1,820	-99.4%	3,252	<-100%	2,756	<-100%
VIP Pirineos	-1,578	4,681	<-100%	-19,179	>100%	-26,195	89.5%
National Deposits	41	42	-0.8%	211	-19.8%	281	-15.6%
Biogas	12	12	-2.4%	138	28.0%	168	21.9%
Total	7,360	10,394	-29.2%	52,687	-31.6%	60,195	-28.8%

+ Transport network input

- Transport network output

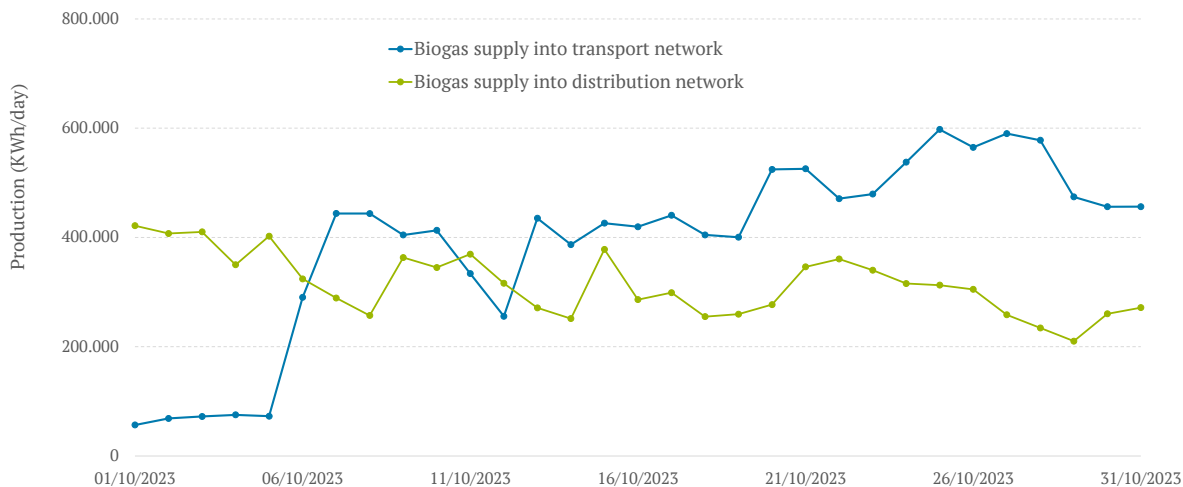


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3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Oct-2023	Oct-2023	%Δ s/2022	Jan-Oct 2023	%Δ s/2022	MAT: Nov 2022-Oct 2023	%Δ s/2022
BIOGAS injected into transport network	12,1	12,4	-2,4%	137,8	28,0%	168,2	21,9%
BIOGAS injected into distribution network	9,7	3,0	225,6%	55,8	70,9%	60,9	61,4%
Total	21,8	15,4	41,9%	193,6	38,0%	229,0	30,3%



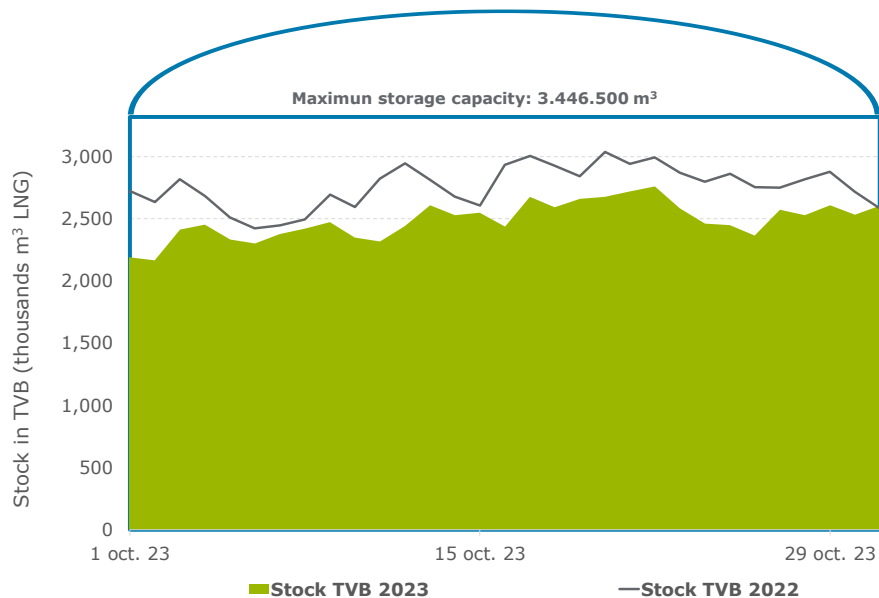
(*) Table: Allocation data from the SL-ATR



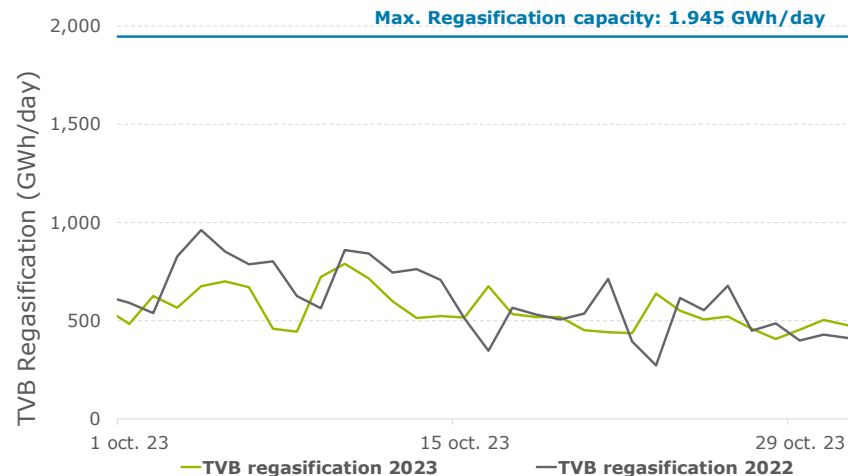
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4. TVB activity

TVB stock evolution



Regasification in TVB



October 2023

GWh/month

Total regasification capacity	60,295
Contracted regasification capacity	18,610
Available regasification capacity	41,685
Commercial regasification	17,083

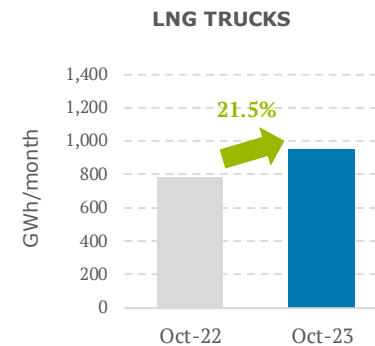
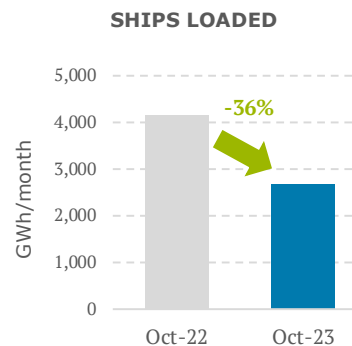
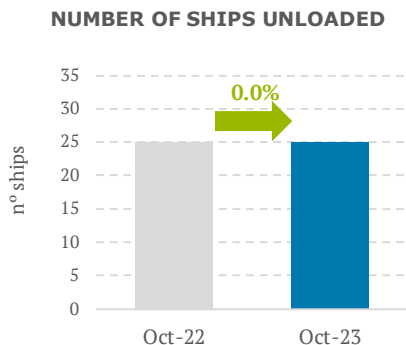
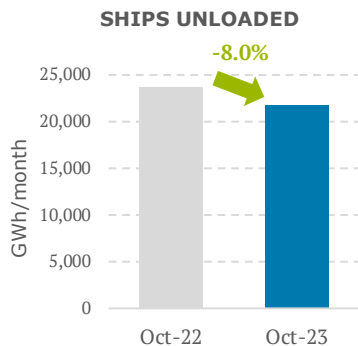
* Due to the commissioning of the El Musel plant, the nominal regasification capacity from TVB has been increased by the amount strictly necessary for the efficient management of boil-off gas in accordance with the environmental requirements to which this plant is subject.



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5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Oct-2023	Oct-2022	%Δ s/2022	Oct-2023	Oct-2022	%Δ s/2022	Oct-2023	Oct-2022	%Δ s/2022	Oct-2023	Oct-2022	%Δ s/2022
BARCELONA	4,065	2,683	51.5%	4	3	33.3%	257	963	-73.3%	188	186	1.2%
HUELVA	0	3,649	-100.0%	0	4	-100.0%	0	1,122	-100.0%	191	164	16.3%
CARTAGENA	4,289	4,720	-9.1%	6	5	20.0%	2	436	-99.6%	175	142	22.7%
BILBAO	5,132	6,250	-17.9%	5	6	-16.7%	692	0	>100%	117	87	35.1%
SAGUNTO	5,136	4,257	20.6%	7	5	40.0%	1,693	1,511	12.1%	175	127	37.6%
MUGARDOS	3,181	2,129	49.4%	3	2	50.0%	18	112	-83.9%	74	76	-2.5%
MUSEL (*)	0		>100%	0		>100%	0		-	31		>100%
Total	21,803	23,688	-8.0%	25	25	0.0%	2,662	4,143	-36%	950	782	21.5%



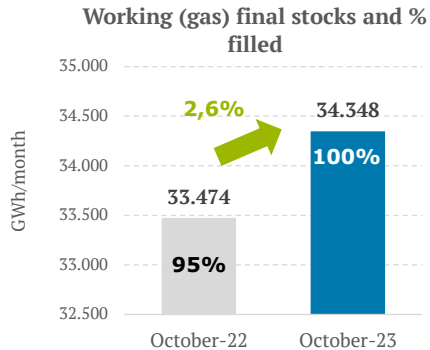
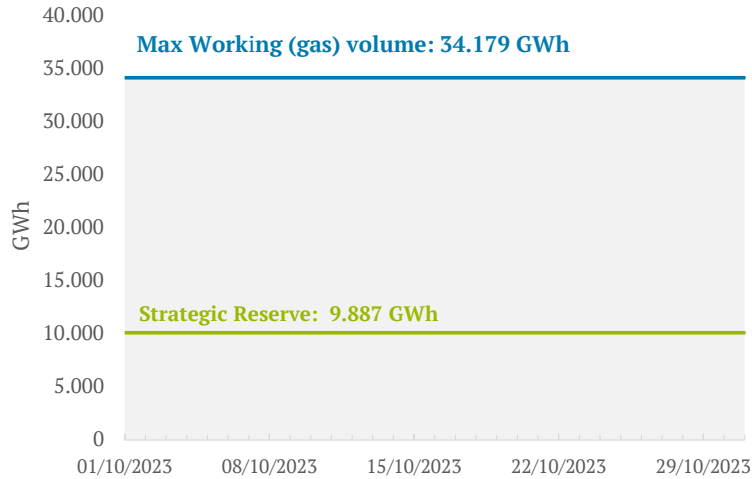
(*) Unloads at El Musel terminal in order to carry out the commissioning of the terminal.



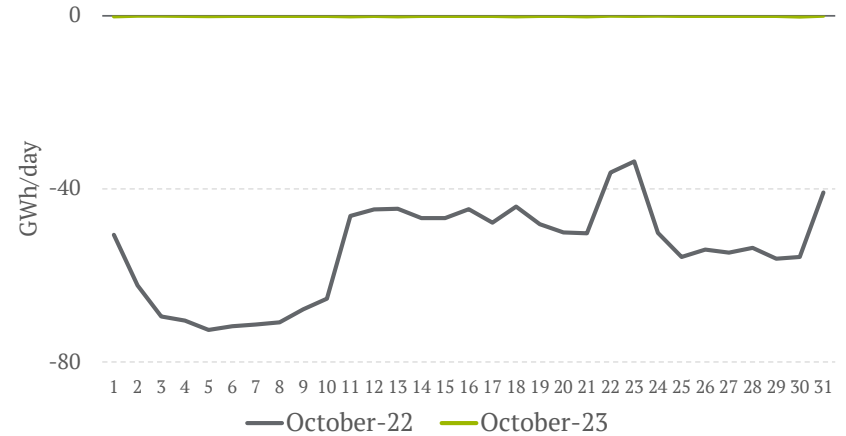
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6. UGS activity

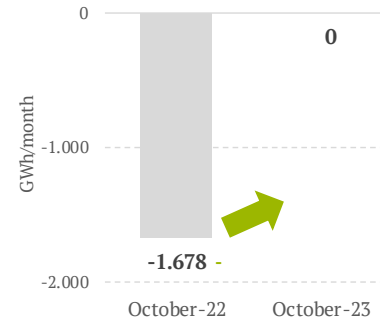
Working gas evolution



Daily withdrawal/injection



Net injection





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

7. Operating notes and other relevant facts

Operating notes:

- ❑ In **October 2023**, two Operation notes have been published, the second being the completion of the first.
 - ❖ Operation note nº6: Pajares variant-maintenance on the León-Oviedo gas pipeline (20”).
 - ❖ Operation note nº6: Pajares variant-maintenance on the León-Oviedo gas pipeline (20”) (completion).

Relevant facts:

- ❑ No relevant fact has been published this month



