

Statistical bulletin

September 2023

PRELIMINARY

Technical Management of the System

GTS_DEMANDA@enagas.es

October-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

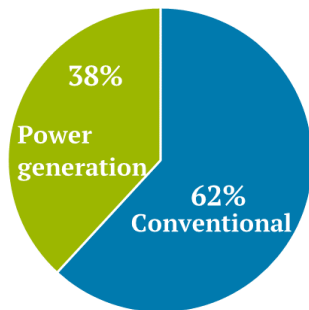
6. Underground Storage activity

7. Operating notes and other relevant facts

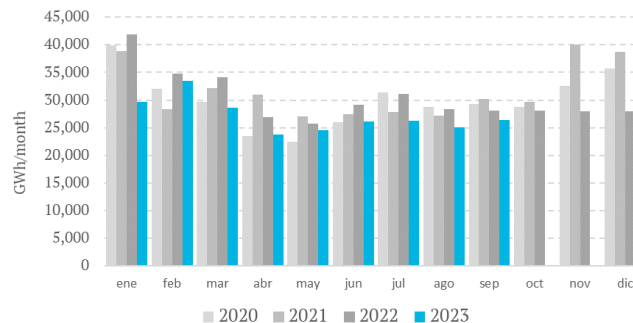
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Sep-2023	%Δ s/2022	Jan-Sep 2023	%Δ s/2022	MAT: Oct 2022-Sep 2023	%Δ MAT vs 2022
National Market demand	26,390	-6.3%	243,952	-13.0%	327,981	-10.0%
Conventional	16,321	31.4%	169,391	-3.2%	220,803	-2.5%
Power generation	10,068	-36.1%	74,561	-29.3%	107,178	-22.4%
International Market demand	3,430	11.9%	58,037	31.7%	81,965	20.5%
International connections exports	2,805	40.7%	41,798	42.7%	55,639	29.0%
LNG Vessel loading	625	-41.7%	16,239	9.9%	26,326	5.9%
TOTAL	29,820	-4.5%	301,989	-6.9%	409,947	-5.2%

National market demand September 2023

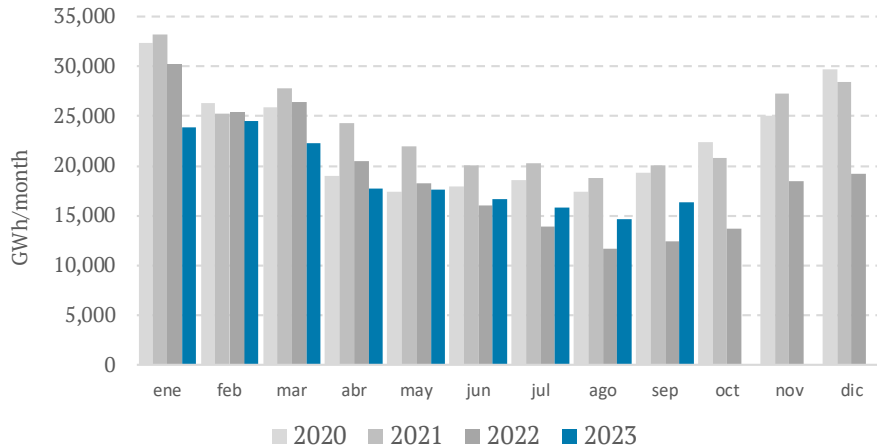


Total Demand

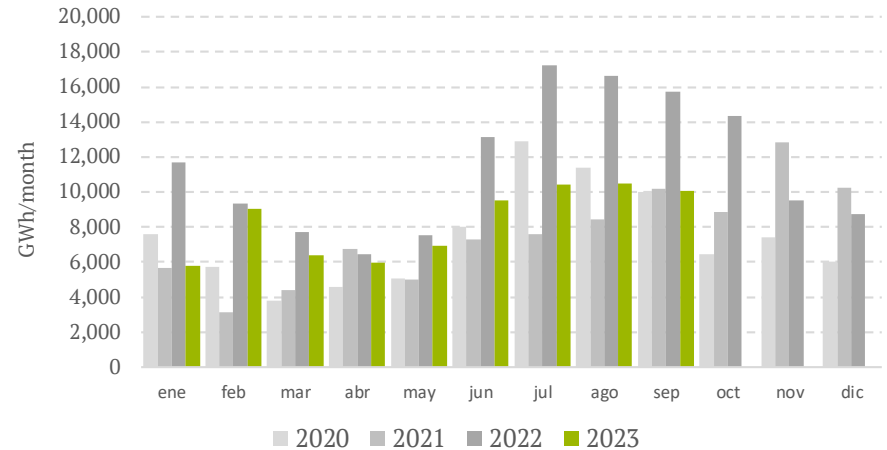


1. Evolution of gas demand

Final Demand



Demand for Power generation



1.1 Evolution of gas demand. Conventional

Demand

 Conventional market

+31.4%

Higher than the previous year

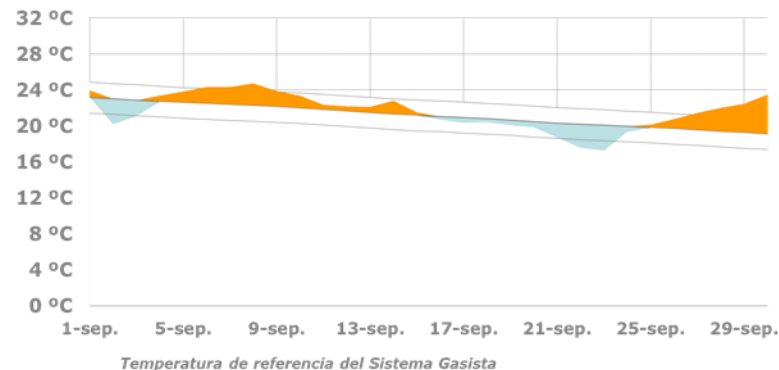
Temperatures



Without significant temperature effects

Demand	Conventional demand		Accumulated		MAT	
	Sep 2023 (*)		Jan-Sep 2023		Oct22-Sep23	
	GWh	%23 s/22	GWh	%23 s/22	GWh	% TAM s/22
	16,321	31.4%	169,391	-3.2%	220,803	-2.5%
Calendar		-4.0%		0.6%		0.4%
Temperature		-		-3.3%		-2.5%
Amended demand		35.4%		-0.5%		-0.3%

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



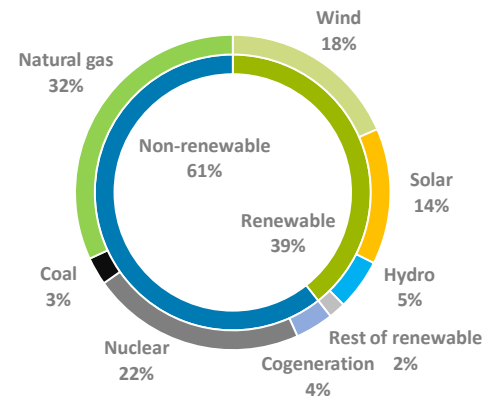
1.2 Power generation – electricity generation mix

TWh (e)

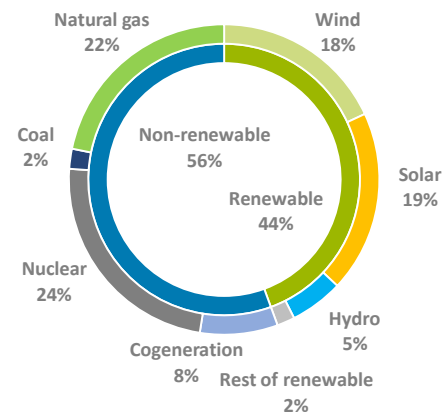
2022 September 1st to 30th 2023 September 1st to 30th Δ 2023 vs 2022 % Δ 2023 vs 2022 Amended demand in terms of working days and temperatures

	2022 September 1 st to 30 th	2023 September 1 st to 30 th	Δ 2023 vs 2022	% Δ 2023 vs 2022
Power generation	19.0	18.3	-0.6	-3.4%
Wind	4.1	3.5	-0.6	-14.1%
use of installed capacity [GW]	29.2	29.7	0.5	1.8%
% utilization of total installed	19%	16%		
Solar	3.1	3.7	0.6	18.9%
use of installed capacity [GW]	20.4	24.5	4.1	20.3%
% utilization of total installed	21%	21%		
Hydro	1.2	1.1	-0.1	-6.8%
Rest of renewable	0.4	0.4	0.0	-7.2%
Cogeneration	0.9	1.6	0.7	81.7%
Nuclear	4.8	4.6	-0.3	-5.8%
Coal	0.6	0.4	-0.2	-36.2%
Natural gas	7.0	4.2	-2.8	-40.1%
International exchanges	-2.9	-0.6	2.2	77.9%
export	export	export		
France	-1.8	0.8	2.6	
Portugal	-0.9	-1.3	-0.4	
Morocco	-0.2	-0.2	0.1	

2022
Gas demand for Power Generation
15.7 TWh (g)



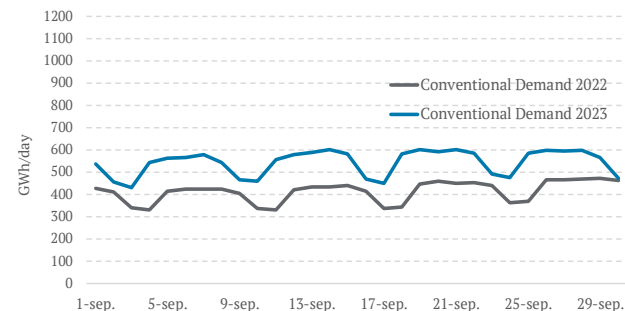
2023
Gas demand for Power Generation
10.1 TWh (g)



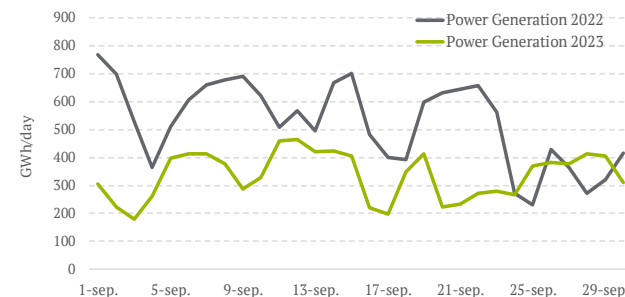
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Sep-2023	%Δ vs Sep 2022	Sep-2023	%Δ vs Sep 2022	Sep-2023	%Δ vs Sep 2022
Andalucía	2,349	78.8%	2,402	-44.8%	196	0.8%
Aragón	848	42.1%	650	20.8%	47	2.5%
Asturias	370	5.4%	592	-29.2%	26	85.3%
Baleares	82	21.2%	856	-16.8%	8	-13.0%
Cantabria	219	-1.1%	0	0.0%	27	831.4%
Castilla - La Mancha	835	62.3%	246	-27.5%	63	1.8%
Castilla y León	1,038	33.9%	0	0.0%	51	28.0%
Cataluña	2,985	29.4%	1,141	-47.2%	123	24.6%
Comunidad Valenciana	1,722	-8.7%	669	-35.8%	101	34.8%
Extremadura	284	21.5%	0	0.0%	34	16.1%
Galicia	762	36.6%	695	-35.2%	45	28.2%
La Rioja	153	24.5%	291	-6.6%	6	21.0%
Madrid	873	4.7%	0	0.0%	73	265.2%
Murcia	1,160	126.4%	1,030	-35.3%	48	47.0%
Navarra	366	15.5%	726	-19.2%	18	-13.0%
País Vasco	1,365	28.9%	758	-51.4%	41	27.1%

Daily evolution Conventional Demand



Daily evolution Power Generation

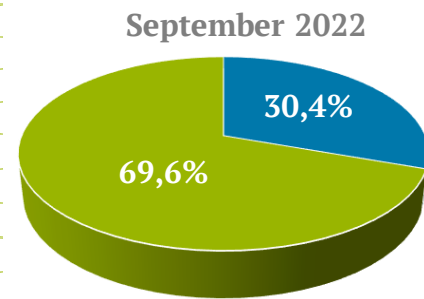
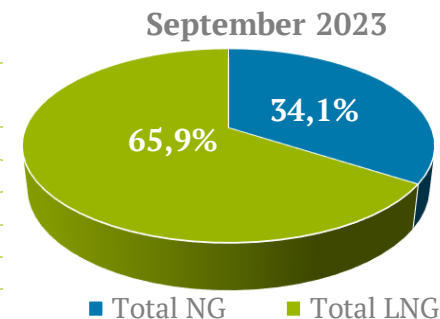




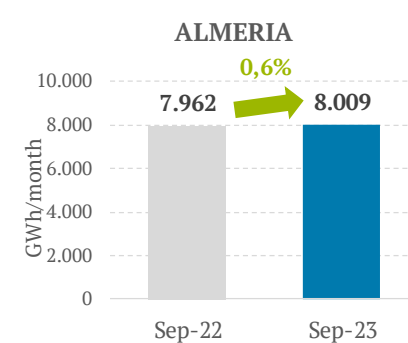
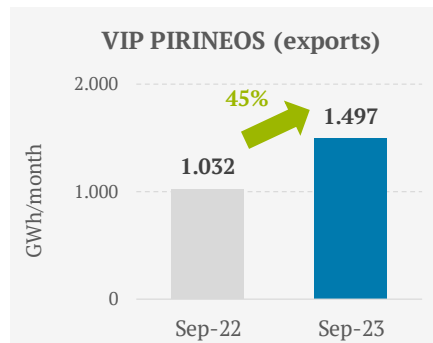
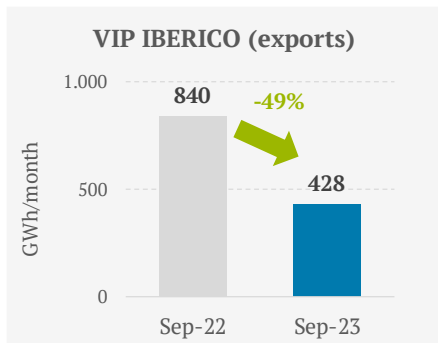
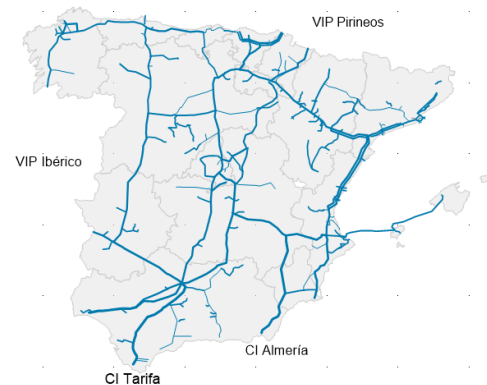
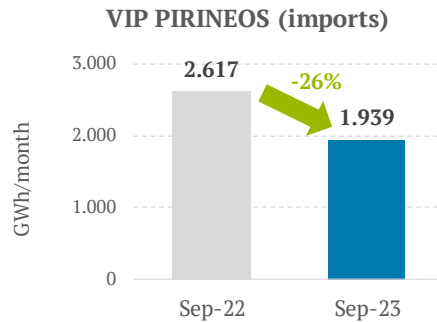
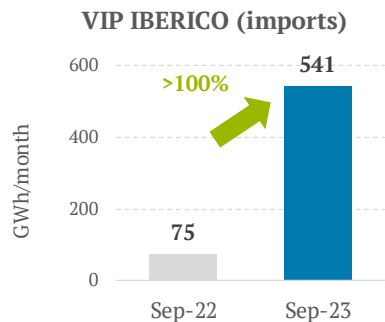
1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant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

2.1 Demand coverage: Origin of supplies

Unit: GWh		Monthly accumulated		Annual accumulated		Moving Annual Total		
		Sep-2023	% s TOTAL	Sep-2022	Jan-Sep 2023	% s TOTAL	MAT: Oct 2022-Sep 2023	% s TOTAL
Algeria	NG	8.009	42,4%	7.962	66.626	26,8%	90.432	25,4%
	LNG	5.054		969	14.383		14.383	
France	NG	1.939	9,8%	2.617	12.030	4,3%	18.726	4,8%
	LNG	1.089		0	1.089		1.089	
Angola	LNG	0	0,0%	2.062	3.111	1,0%	3.111	0,8%
Cameroon	LNG	0	0,0%	1.016	2.206	0,7%	3.243	0,8%
United States	LNG	3.814	12,4%	6.012	60.479	20,0%	87.549	21,2%
Equatorial Guinea	LNG	0	0,0%	0	1.891	0,6%	3.912	0,9%
Nigeria	LNG	6.195	20,1%	5.338	45.903	15,2%	59.101	14,3%
Peru	LNG	0	0,0%	0	3.865	1,3%	4.705	1,1%
Qatar	LNG	877	2,8%	886	9.724	3,2%	14.337	3,5%
Russia	LNG	3.259	10,6%	5.355	56.490	18,7%	72.224	17,5%
Trinidad	LNG	0	0,0%	1.420	6.487	2,1%	11.177	2,7%
Oman	LNG	0	0,0%	0	2.902	1,0%	5.794	1,4%
Belgium	LNG	0	0,0%	0	0	0,0%	0	0,0%
Egypt	LNG	0	0,0%	978	3.654	1,2%	8.484	2,1%
Portugal	NG	541	1,8%	75	8.174	2,7%	9.260	2,2%
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%	474	0	0,0%	0	0,0%
Mozambique	LNG	0	0,0%	0	0	0,0%	542	0,1%
National deposits	NG	5	0,0%	48	170	0,1%	282	0,1%
National Biogas	NG	11	0,0%	12	126	0,0%	168	0,0%
TOTAL		30.793	100%	35.225	302.173	100%	412.000	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	
	Sep-2023	Sep-2022	%Δ s/2022	Jan-Sep 2023	%Δ s/2022	MAT: Oct 2022-Sep 2023	%Δ MAT vs 2022
Tarifa	-880	-123	>100%	-7.256	<-100%	-8.664	>100%
Almería	8.009	7.962	0,6%	66.626	-13,6%	90.432	-10,4%
VIP Ibérico	113	-766	<-100%	3.263	>100%	947	<-100%
VIP Pirineos	442	1.586	-72,1%	-17.602	53,2%	-19.937	44,2%
National Deposits	5	48	>100%	170	-2,3%	329	-1,2%
Biogas	11	12	-8,9%	126	51,0%	180	30,8%
Total	7.700	8.720	-11,7%	45.327	-31,9%	63.288	-25,1%

+ Transport network input

- Transport network output

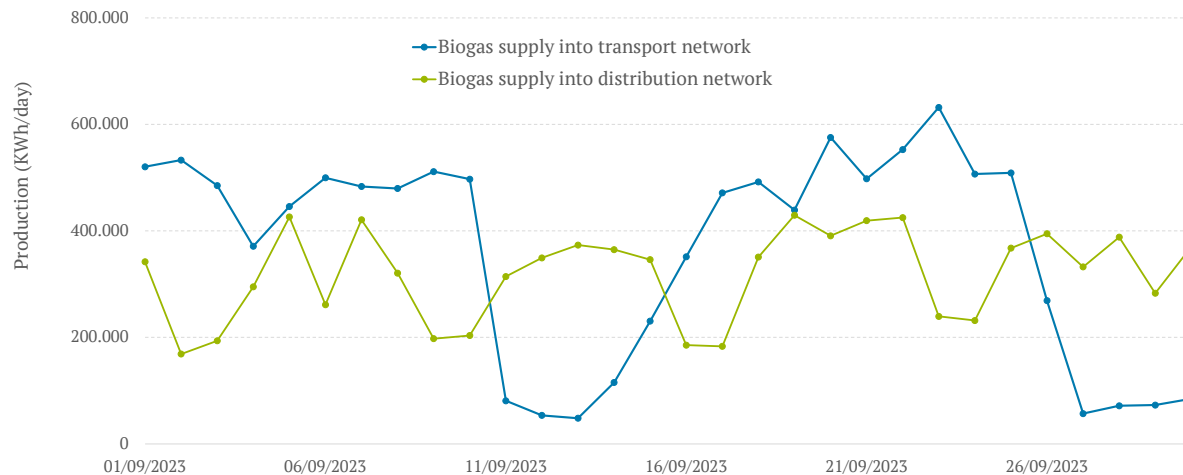


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3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Sep-2023	Sep-2023	%Δ s/2022	Jan-Sep 2023	%Δ s/2022	MAT: Oct 2022-Sep 2023	%Δ s/2022
BIOGAS injected into transport network	10,9	12,0	-8,9%	125,7	32,0%	168,5	22,1%
BIOGAS injected into distribution network	9,6	3,5	173,2%	46,0	55,3%	54,1	43,5%
Total	20,5	15,5	32,3%	171,7	37,5%	222,6	26,7%



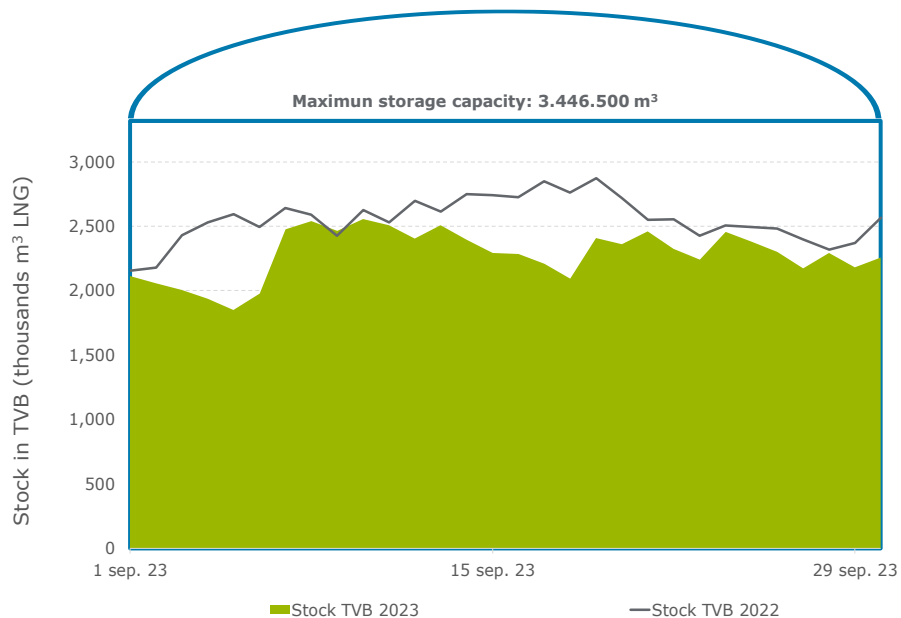
(*) Table: Allocation data from the SL-ATR



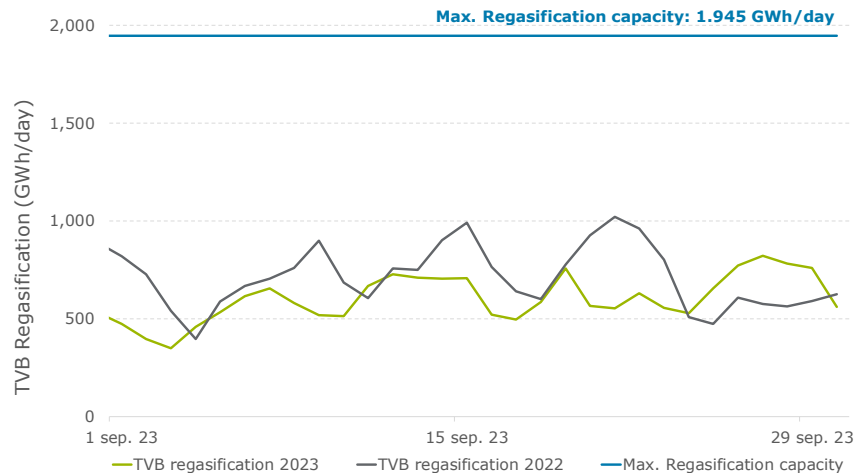
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4. TVB activity

TVB stock evolution



Regasification in TVB



September 2023

	GWh/month
Total regasification capacity	58,350
Contracted regasification capacity	19,415
Available regasification capacity	38,935
Commercial regasification	18,146

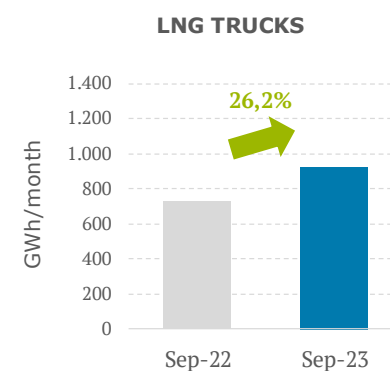
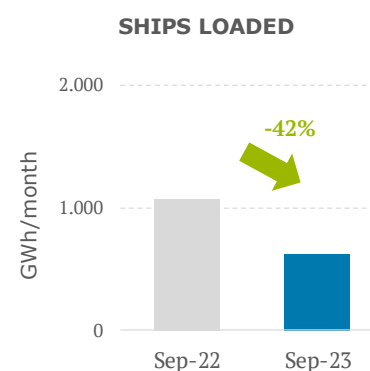
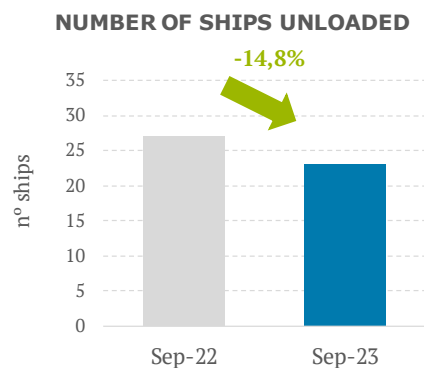
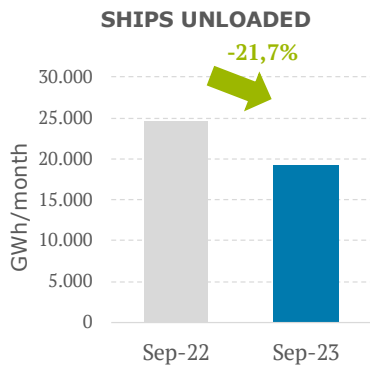
* Due to the commissioning of the El Musel plant, the nominal regasification capacity from TVB has been increased by the amount strictly necessary for the efficient management of boil-off gas in accordance with the environmental requirements to which this plant is subject.



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5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Sep-2023	Sep-2022	%Δ s/2022	Sep-2023	Sep-2022	%Δ s/2022	Sep-2023	Sep-2022	%Δ s/2022	Sep-2023	Sep-2022	%Δ s/2022
BARCELONA	5.273	3.908	34,9%	7	4	75,0%	306	368	-16,7%	174	148	17,6%
HUELVA	2.367	6.442	-63,3%	3	8	-62,5%	63	50	27,0%	214	185	15,9%
CARTAGENA	1.066	3.703	-71,2%	1	4	-75,0%	1	0	>100%	149	133	11,9%
BILBAO	3.966	3.664	8,2%	4	4	0,0%	0	0	>100%	116	80	44,2%
SAGUNTO	5.413	4.690	15,4%	7	5	40,0%	162	654	-75,2%	171	121	40,5%
MUGARDOS	1.104	2.104	-47,5%	1	2	-50,0%	93	0	>100%	87	64	34,5%
MUSEL	0		>100%	0		>100%	0		-	14		>100%
Total	19.190	24.511	-21,7%	23	27	-14,8%	625	1.071	-42%	923	732	26,2%



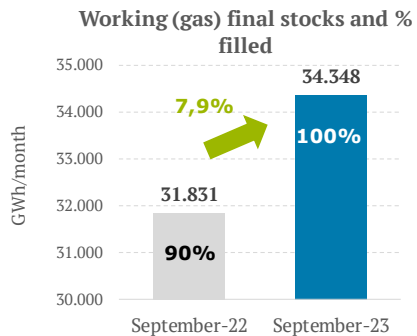
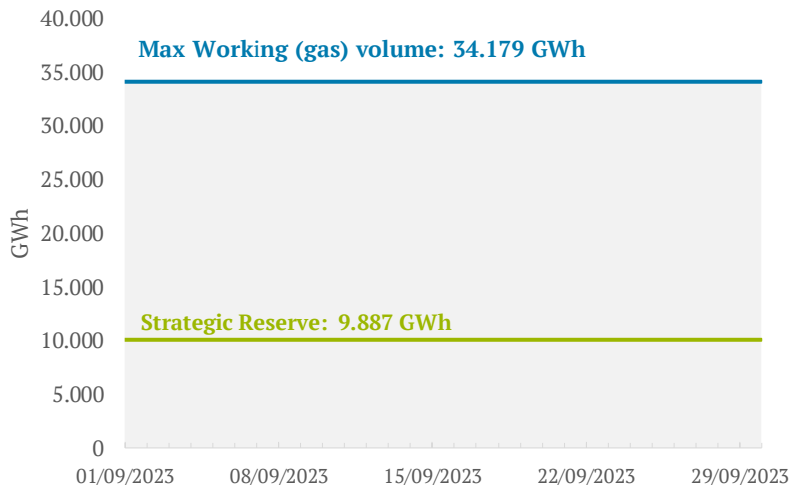
(*) Unloads at El Musel terminal in order to carry out the commissioning of the terminal.



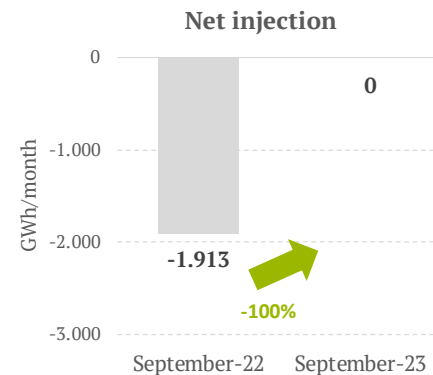
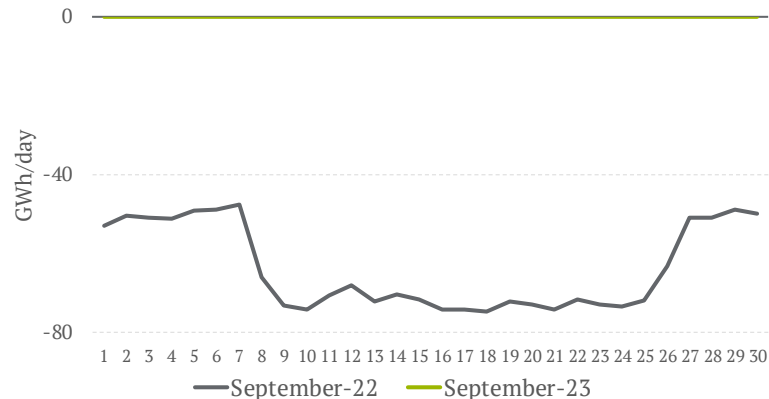
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6. UGS activity

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 **September 2023**, no Operation note have been published.

Relevant facts:

- No relevant fact has been published this month



