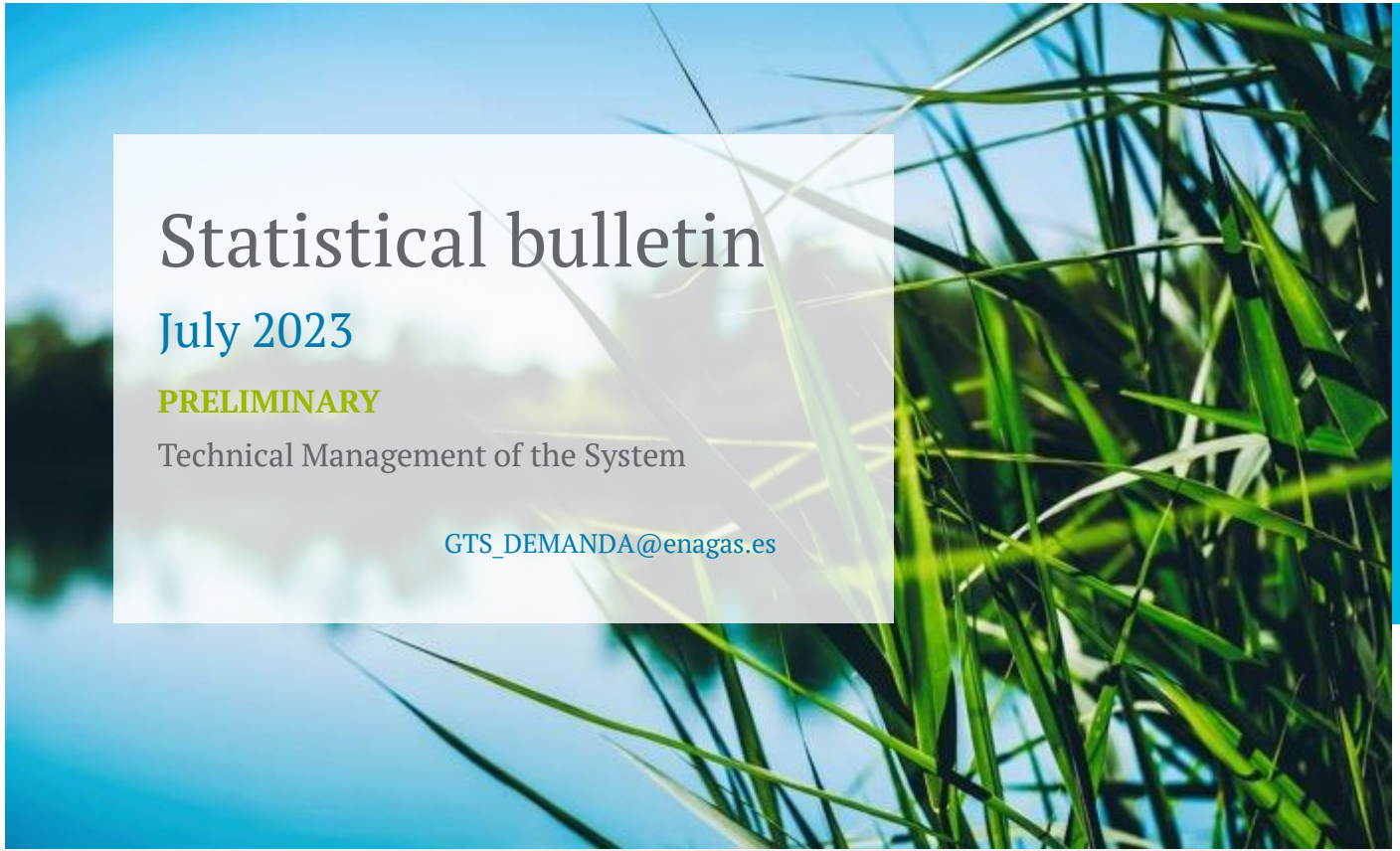

Statistical bulletin

July 2023

PRELIMINARY

Technical Management of the System

GTS_DEMANDA@enagas.es

enagas GTS

August-23

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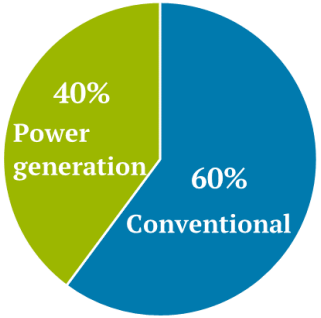
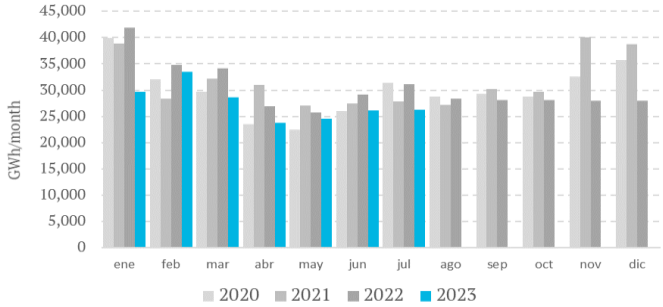
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Jul-2023	%Δ s/2022	Jan-Jul 2023	%Δ s/2022	MAT: Ago 2022-Jul 2023	%Δ MAT vs 2022
National Market demand	**26,199**	**-15.9%**	**192,517**	**-14.0%**	**333,075**	**-8.6%**
Conventional	15,763	13.0%	138,489	-8.2%	214,024	-5.5%
Power generation	10,436	-39.4%	54,028	-26.0%	119,052	-13.8%
International Market demand	**3,697**	**-14.0%**	**49,699**	**46.0%**	**83,654**	**23.0%**
International conections exports	3,312	-2.5%	36,422	45.8%	54,572	26.5%
LNG Vessel loading	385	-57.4%	13,277	46.5%	29,081	16.9%
TOTAL	**29,896**	**-15.7%**	**242,215**	**-6.1%**	**416,729**	**-3.6%**

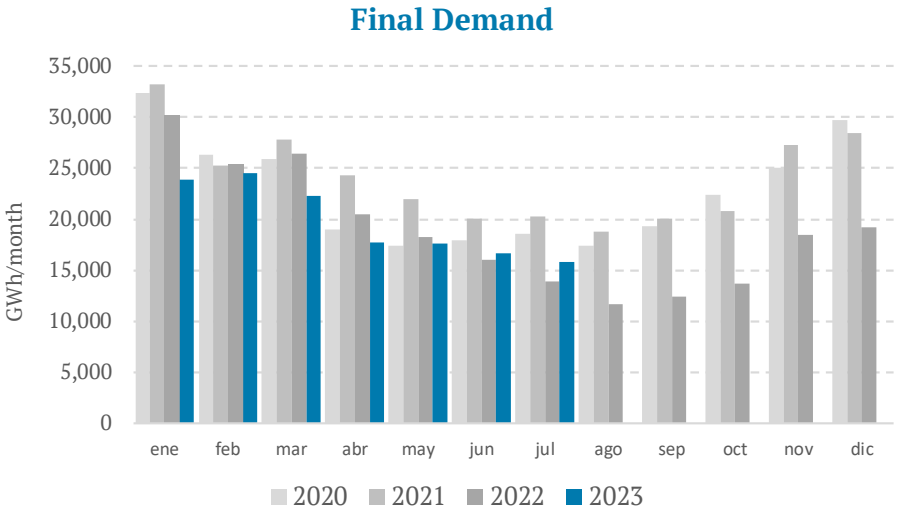
National market demand July 2023

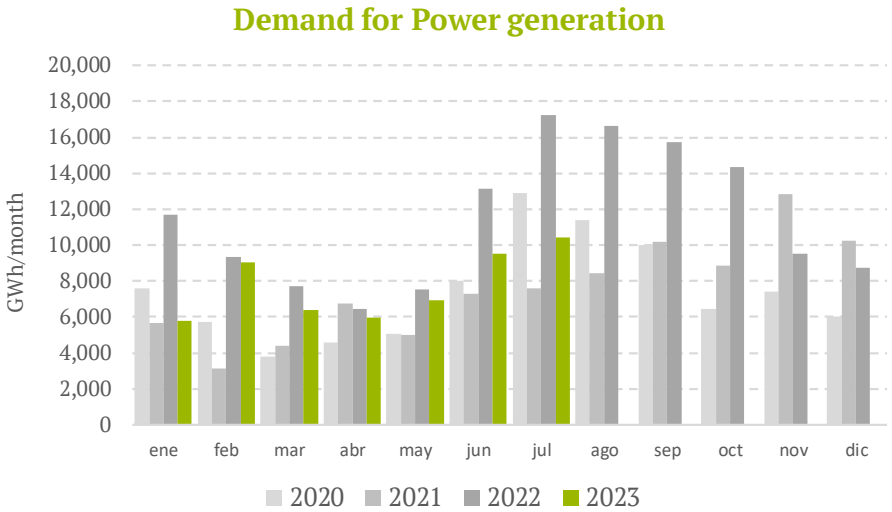


Total Demand



1. Evolution of gas demand





1.1 Evolution of gas demand. Conventional

Demand

Conventional market

+13.0%

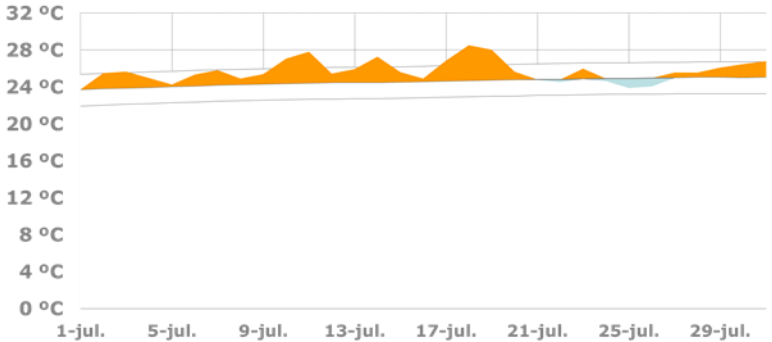
Higher than the previous year

Temperatures

Without significant temperature effects

Demand	Conventional demand Jul 2023 (*) GWh	%23 s/22	Accumulated Ene-Jul 2023 GWh	%23 s/22	MAT Ago22-Jul23 GWh	% TAM s/22
	15,763	13.0%	138,489	-8.2%	214,024	-5.5%
Calendar		0.0%		0.7%		0.4%
Temperature		-		-3.8%		-2.5%
Amended demand		13.0%		-5.1%		-3.3%

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



Temperatura de referencia del Sistema Gasista

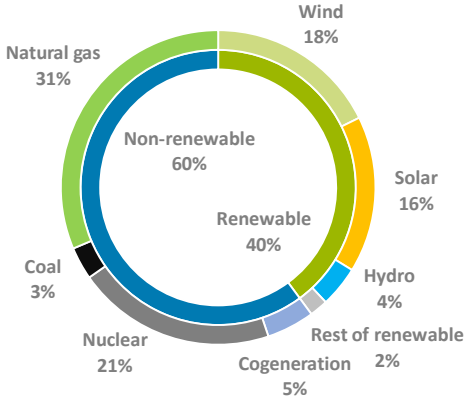
1.2 Power generation– electricity generation mix

TWh (e)	2022 July 1st to 31st	2023 July 1st to 31st	Δ 2023 vs 2022	% Δ 2023 vs 2022
Power generation	**22.1**	**21.2**	-0.9	-4.1%
Wind	**4.4**	**3.7**	-0.7	-15.2%
use of installed capacity [GW]	29.0	29.7	0.7	2.5%
% utilization of total installed	20%	17%		
Solar	**4.0**	**5.2**	1.2	31.0%
use of installed capacity [GW]	19.9	23.5	3.7	18.5%
% utilization of total installed	27%	30%		
Hydro	**1.0**	**1.3**	0.3	28.8%
Rest of renewable	**0.5**	**0.4**	-0.1	-13.2%
Cogeneration	**1.2**	**1.6**	0.4	33.3%
Nuclear	**5.1**	**5.1**	0.1	1.0%
Coal	**0.8**	**0.3**	-0.5	-65.6%
Natural gas	**7.8**	**4.4**	-3.4	-43.3%
International exchanges	**-2.4** export	**-0.5** export	1.9	79.6%
France	-1.0	0.9	1.8	
Portugal	-1.3	-1.2	0.1	
Morocco	-0.2	-0.2	0.0	

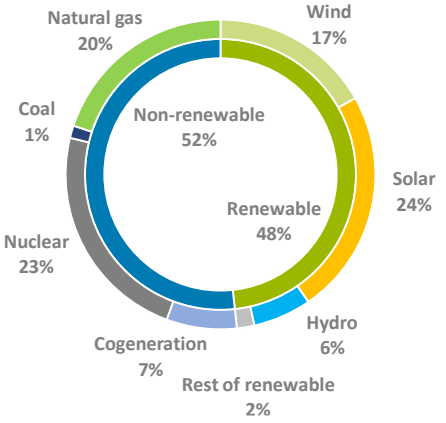
Amended demand in terms of working days and temperatures

-1.6%

2022
Gas demand for Power Generation
17.2 TWh (g)



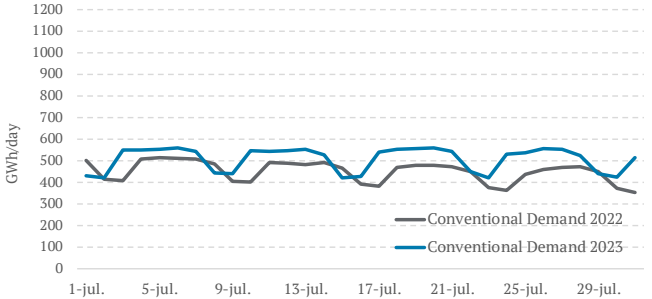
2023
Gas demand for Power Generation
10.4 TWh (g)



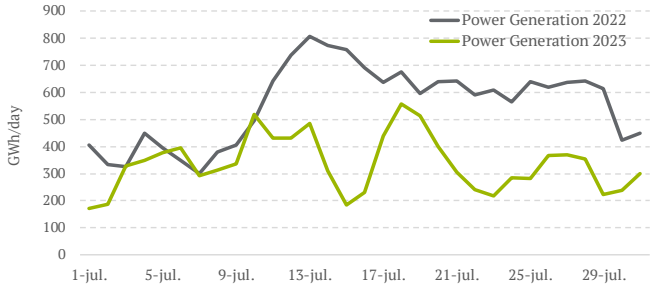
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks) Jul-2023	%Δ vs Jul 2022	POWER GENERATION Jul-2023	%Δ vs Jul 2022	LNG trucks Jul-2023	%Δ vs Jul 2022
Andalucía	2,114	47.3%	2,558	-38.4%	199	17.5%
Aragón	910	6.2%	586	-18.0%	48	-21.5%
Asturias	371	2.4%	582	-38.0%	26	-15.5%
Baleares	93	31.7%	987	-9.7%	8	-0.1%
Cantabria	239	-2.1%	0	0.0%	4	24.9%
Castilla - La Mancha	810	49.8%	92	-59.7%	52	-15.1%
Castilla y León	1,055	11.1%	0	0.0%	51	17.9%
Cataluña	2,741	6.9%	1,257	-45.9%	115	18.6%
Comunidad Valenciana	1,931	-16.5%	836	-39.7%	95	11.7%
Extremadura	175	29.1%	0	0.0%	21	-8.2%
Galicia	684	-1.4%	863	-27.1%	48	21.4%
La Rioja	117	18.4%	171	-57.8%	2	-66.7%
Madrid	787	-6.4%	0	0.0%	137	499.9%
Murcia	1,264	86.3%	1,016	-52.8%	35	-2.3%
Navarra	334	8.4%	833	-9.2%	9	-25.8%
País Vasco	1,237	8.6%	642	-62.3%	38	26.0%

Daily evolution Conventional Demand



Daily evolution Power Generation



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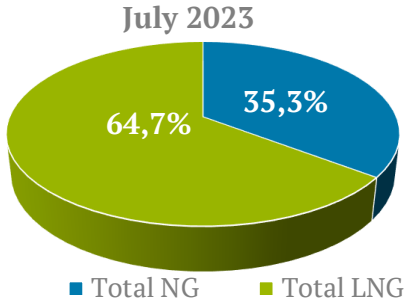
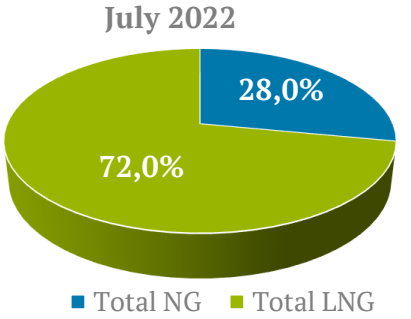
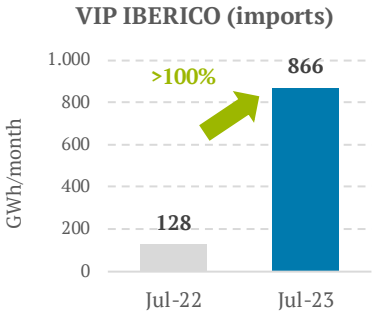
2.1 Demand coverage: Origin of supplies

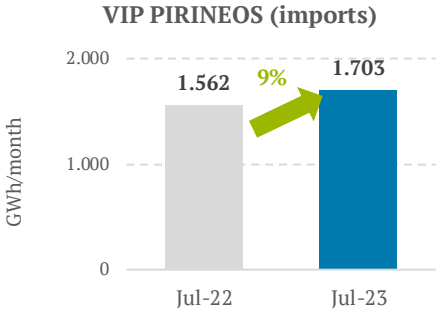
Unit: GWh		Monthly accumulated			Annual accumulated		Moving Annual Total	
		Jul-2023	% s TOTAL	Jul-2022	Jan-Jul 2023	% s TOTAL	MAT: Ago 2022-Jul 2023	% s TOTAL
Algeria	NG	8.613	28,7%	8.572	50.817	25,0%	91.712	24,1%
	LNG	493		0	8.332		9.301	
France	NG	1.703	5,4%	1.562	8.053	3,4%	22.055	5,3%
	LNG	0		0	0		0	
Angola	LNG	1.052	3,3%	1.040	3.111	1,3%	5.174	1,2%
Cameroon	LNG	0	0,0%	0	2.206	0,9%	4.258	1,0%
United States	LNG	3.945	12,4%	8.530	45.240	19,1%	88.396	21,1%
Equatorial Guinea	LNG	0	0,0%	1.067	1.891	0,8%	3.912	0,9%
Nigeria	LNG	2.675	8,4%	5.882	32.851	13,9%	57.222	13,6%
Peru	LNG	0	0,0%	0	3.865	1,6%	4.705	1,1%
Qatar	LNG	879	2,8%	2.018	7.968	3,4%	15.119	3,6%
Russia	LNG	8.764	27,6%	5.317	49.909	21,1%	75.503	18,0%
Trinidad	LNG	2.713	8,5%	1.542	6.487	2,7%	12.597	3,0%
Oman	LNG	0	0,0%	0	2.902	1,2%	5.794	1,4%
Belgium	LNG	0	0,0%	0	0	0,0%	1.094	0,3%
Egypt	LNG	0	0,0%	1.052	3.654	1,5%	9.462	2,3%
Portugal	NG	866	2,7%	128	7.050	3,0%	8.352	2,0%
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%	474	0,1%
Mozambique	LNG	0	0,0%	0	0	0,0%	542	0,1%
National deposits	NG	21	0,1%	21	139	0,1%	299	0,1%
National Biogas	NG	17	0,1%	15	101	0,0%	168	0,0%
TOTAL		**31.740**	**100%**	**36.746**	**236.508**	**100%**	**419.627**	**100%**

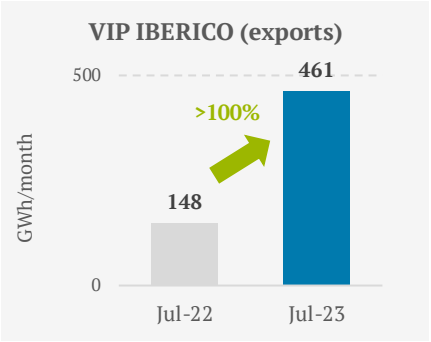


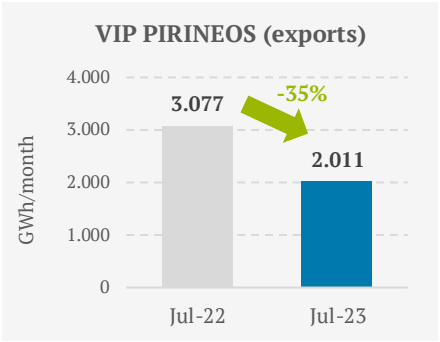


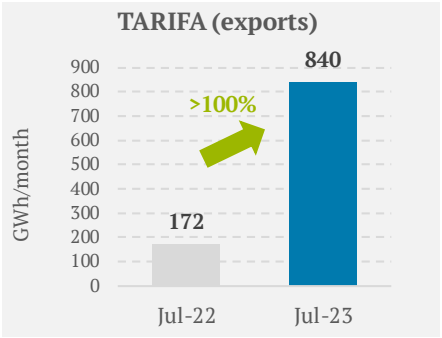
2.1 Demand coverage : Interconnection Points

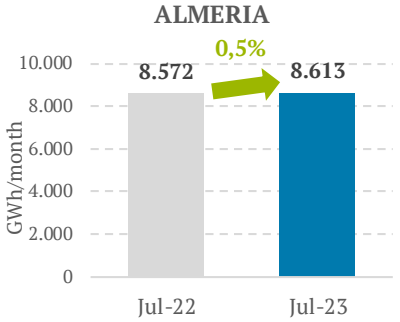












(*) SL-ATR data

2.1 Demand coverage : Interconnection Points

Net balances

	Monthly accumulated			Annual accumulated		Moving Annual Total	
GWh	Jul-2023	Jul-2022	%Δ s/2022	Jan-Jul 2023	%Δ s/2022	MAT: Ago 2022-Jul 2023	%Δ MAT vs 2022
Tarifa	-840	-172	>100%	-5.418	<-100%	-7.068	>100%
Almería	8.613	8.572	0,5%	50.817	-15,4%	91.712	-9,2%
VIP Ibérico	405	-20	<-100%	3.039	29,0%	-501	-57,7%
VIP Pirineos	-308	-1.515	-79,7%	-18.939	17,2%	-16.596	20,1%
National Deposits	21	21	2,2%	139	-19,7%	299	-10,3%
Biogas	17	15	11,9%	101	42,1%	168	21,6%
Total	**7.908**	**6.901**	**14,6%**	**29.739**	**-35,7%**	**68.014**	**-19,5%**

+ Transport network input
- Transport network output

(*) SL-ATR data

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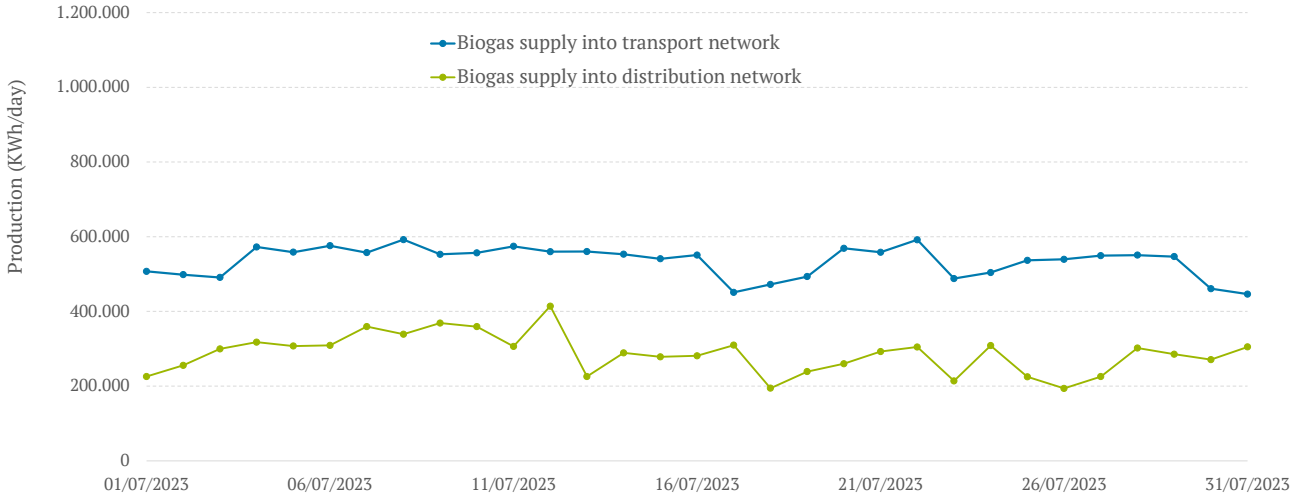
3. Renewable gases

BIOGAS production into Transport and Distribution Network

	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
Unidad: GWh	Jul-2023	Jul-2023	%Δ s/2022	Jan-Jul 2023	%Δ s/2022	MAT: Ago 2022-Jul 2023	%Δ s/2022
BIOGAS inyected into transport network	16,6	14,8	11,9%	100,6	42,1%	167,8	21,6%
BIOGAS inyected into distribution network	8,9	3,6	149,1%	29,6	31,0%	44,7	18,6%
Total	**25,4**	**18,4**	**38,5%**	**130,2**	**39,5%**	**212,5**	**21,0%**



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

(**) Graphic: Physical flows data

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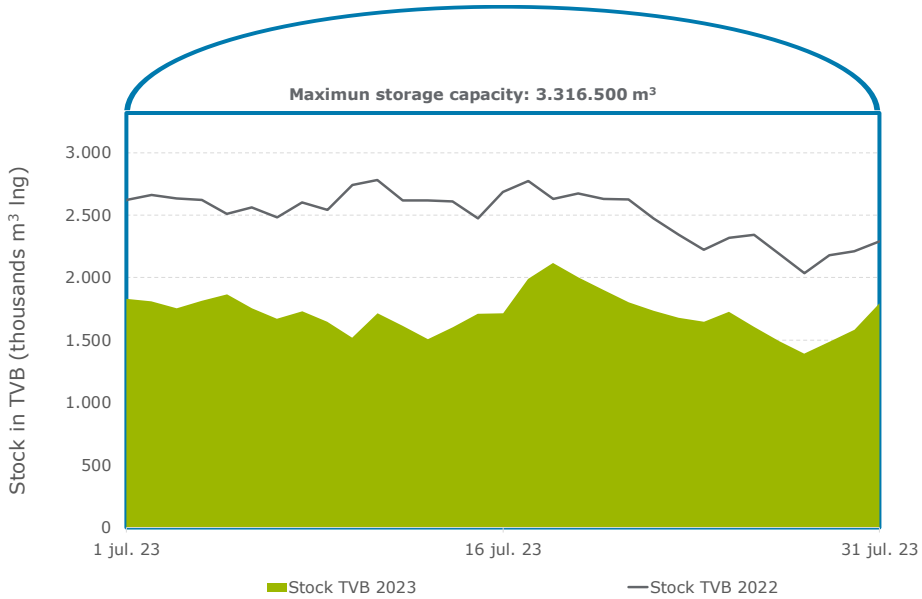
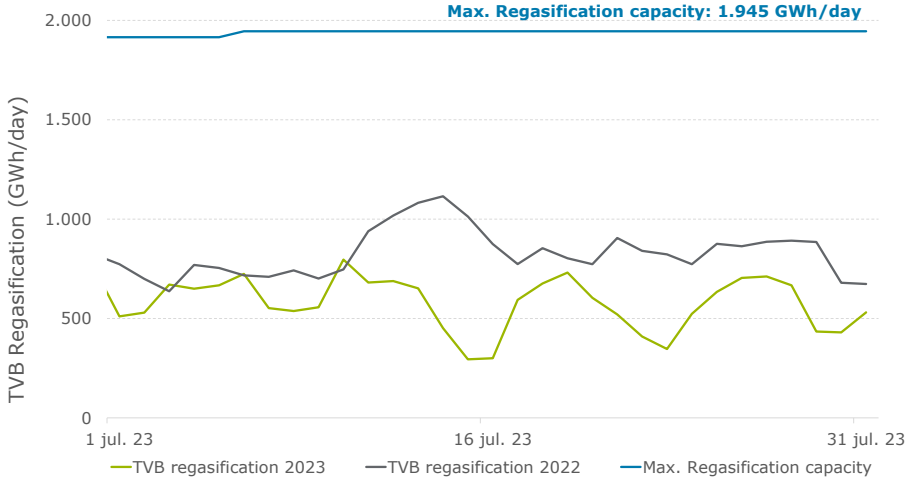
4. TVB activity

TVB stock evolution



Regasification in TVB



July 2023	GWh/month
Total regasification capacity	60.295
Contracted regasification capacity	20.218
Available regasification capacity	40.077
Commercial regasification	17.786

* 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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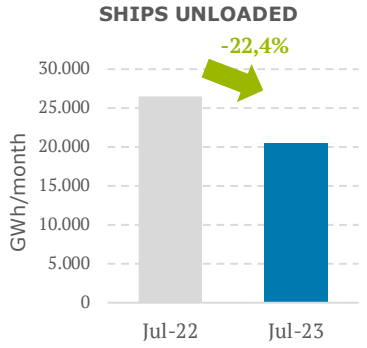
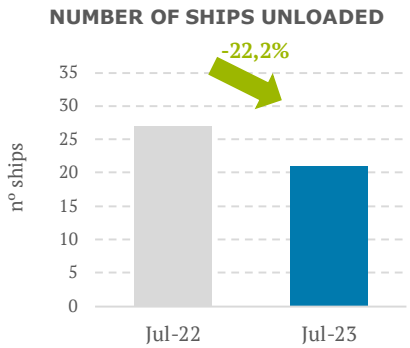
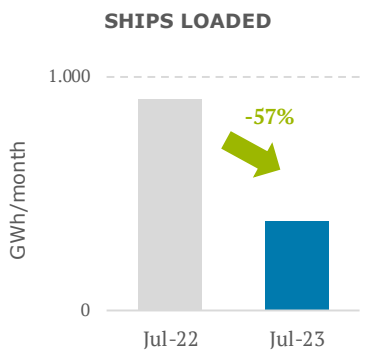
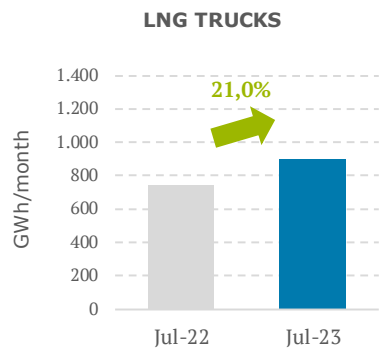
5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Jul-2023	Jul-2022	%Δ s/2022	Jul-2023	Jul-2022	%Δ s/2022	Jul-2023	Jul-2022	%Δ s/2022	Jul-2023	Jul-2022	%Δ s/2022
BARCELONA	3.563	4.243	-16,0%	4	4	0,0%	218	337	-35,2%	170	172	-1,1%
HUELVA	3.140	5.794	-45,8%	3	6	-50,0%	102	0	>100%	221	156	41,1%
CARTAGENA	2.482	3.868	-35,8%	3	5	-40,0%	28	19	44,5%	138	140	-1,7%
BILBAO	4.267	5.345	-20,2%	4	5	-20,0%	37	0	>100%	109	81	34,3%
SAGUNTO	3.016	6.106	-50,6%	3	6	-50,0%	0	497	-100,0%	159	119	33,2%
MUGARDOS	2.072	1.092	89,7%	2	1	100,0%	0	50	-100,0%	106	77	36,7%
MUSEL (*)	1.981		>100%	2		>100%	0		-	1		>100%
Total	**20.520**	**26.448**	-22,4%	**21**	**27**	-22,2%	**385**	**904**	-57%	**902**	**746**	21,0%









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

(*) Datos de repartos del SL-ATR

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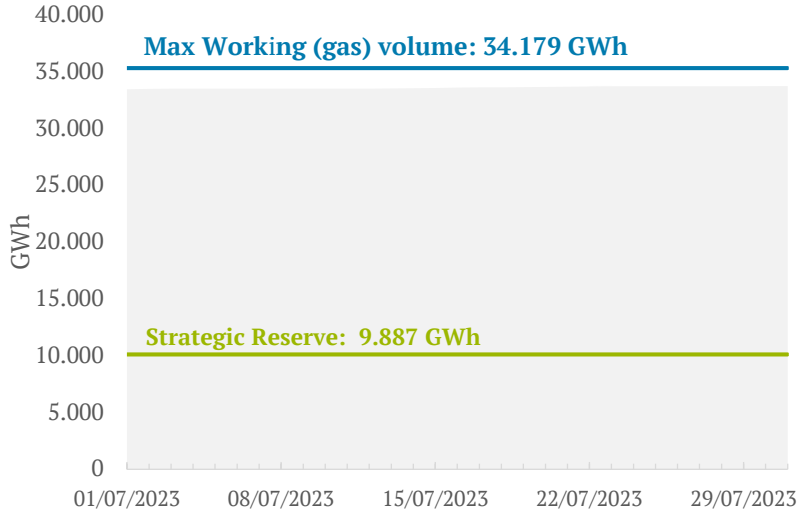
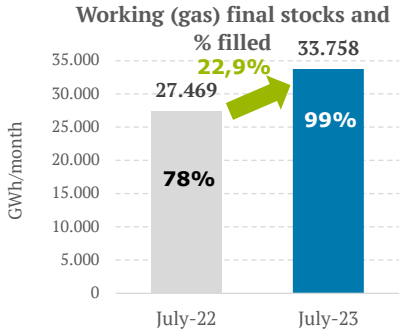
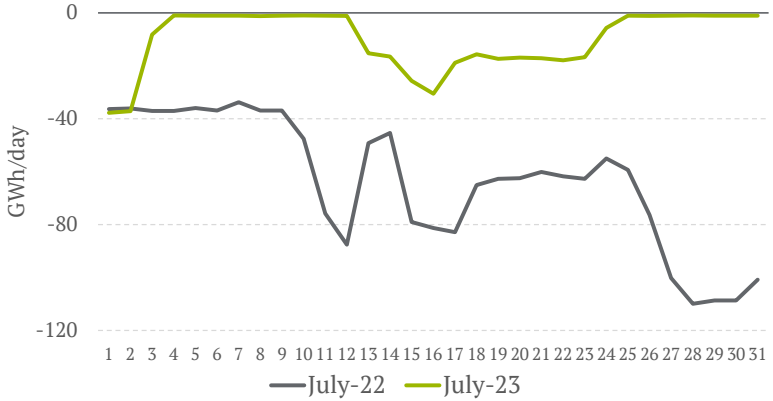
6. UGS activity

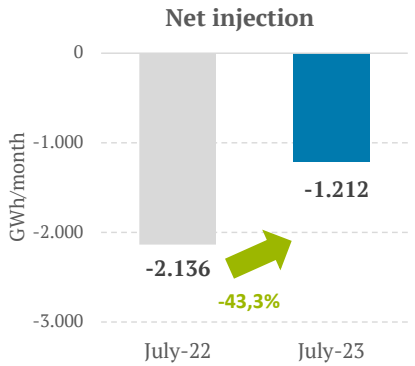
Working gas evolution





Daily withdrawal/injection





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7. Operating notes and other relevant facts

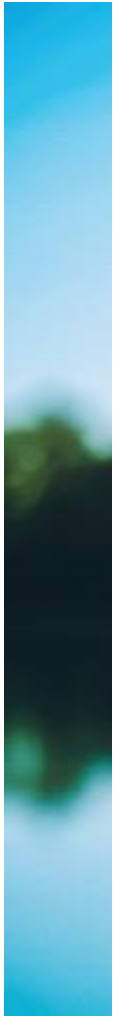
Operating notes:

- In **July 2023**, no Operation note have been published.

Relevant facts:

- Start-up of the El Musel terminal, which forms part of the "*Plan Más Seguridad Energética*" approved by the Government in October 2022, with the aim of reinforcing the security of the European energy supply, its commissioning being included in measure 72 of this Plan

https://www.enagas.es/enagas/es/Gestion_Tecnica_Sistema/Operacion_del_Sistema_Gasista/Notas_de_operacion



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