Statistical bulletin

November 2023

PRELIMINARY

Technical Management of the System

GTS_DEMANDA@enagas.es

enagas GTS

December-23

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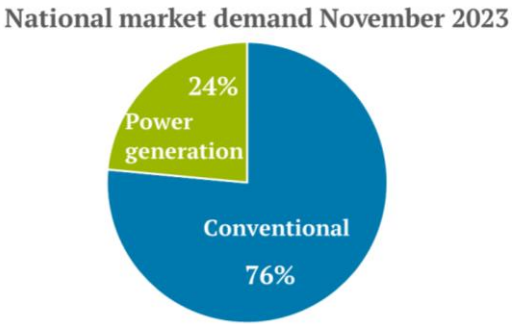
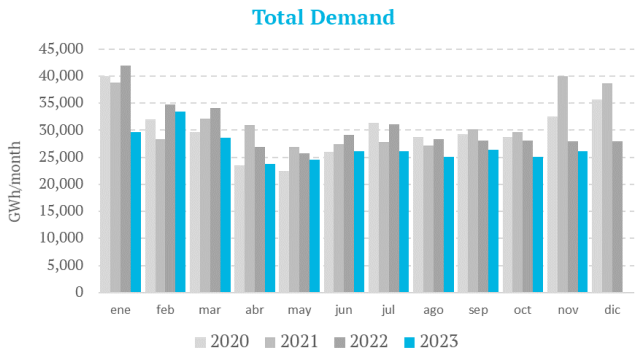
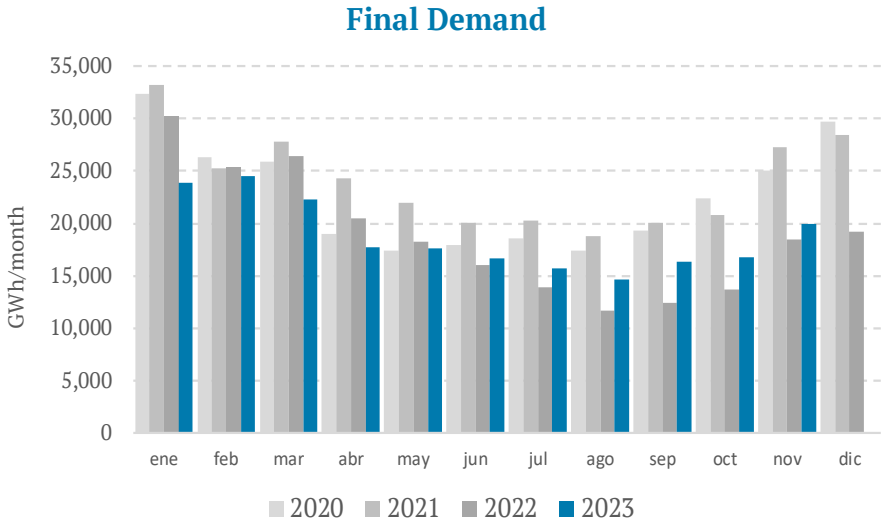
1. Evolution of gas demand

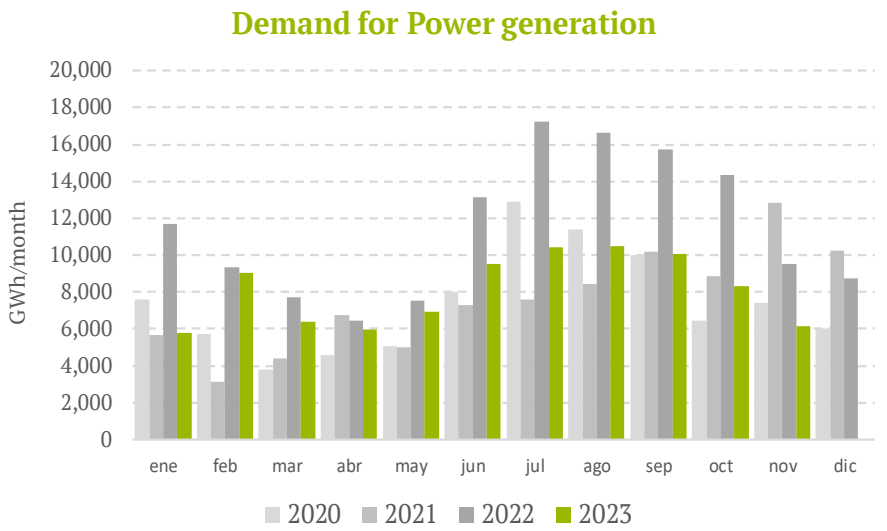
GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Nov-2023	%Δ s/2022	Jan-Nov 2023	%Δ s/2022	MAT: Dic 2022-Nov 2023	%Δ MAT vs 2022
National Market demand	**26,105**	**-6.8%**	**295,112**	**-12.3%**	**323,080**	**-11.3%**
Conventional	19,965	7.9%	206,088	-0.5%	225,305	-0.5%
Power generation	6,140	-35.5%	89,024	-31.1%	97,775	-29.2%
International Market demand	**8,068**	**29.1%**	**71,250**	**24.4%**	**81,963**	**20.6%**
International conections exports	5,272	23.7%	50,669	39.3%	57,430	33.2%
LNG Vessel loading	2,796	40.8%	20,581	-1.6%	24,533	-1.3%
TOTAL	**34,173**	**-0.3%**	**366,362**	**-7.0%**	**405,043**	**-6.3%**





1. Evolution of gas demand





1.1 Evolution of gas demand. Conventional

Demand

Conventional market

+7.9%

Higher than the previous year

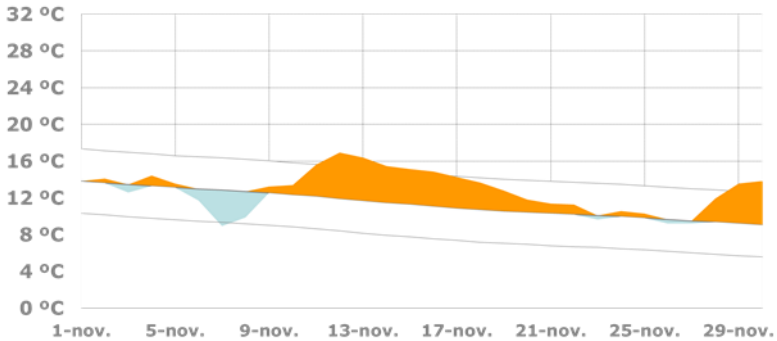
Temperatures

-0.1ºC

Lower than the previous year

Demand	Conventional demand Nov 2023 (*) GWh	%23 s/22	Accumulated Jan-Nov 2023 GWh	%23 s/22	MAT Dic22-Nov23 GWh	% TAM s/22
	19,965	7.9%	206,088	-0.5%	225,305	-0.5%
Calendar		0.0%		0.7%		0.6%
Temperature		2.8%		-2.4%		-2.2%
Amended demand		5.2%		1.2%		1.1%

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



Temperatura de referencia del Sistema Gasista

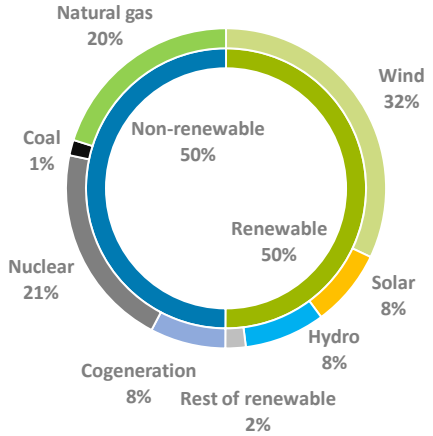
1.2 Power generation– electricity generation mix

TWh (e)	2022 November 1st to 30th	2023 November 1st to 30th	Δ 2023 vs 2022	% Δ 2023 vs 2022
Power generation	**18.2**	**18.8**	0.5	3.0%
Wind	**6.6**	**7.0**	0.4	6.4%
use of installed capacity [GW]	29.4	29.9	0.5	1.6%
% utilization of total installed	31%	33%		
Solar	**1.6**	**2.1**	0.5	33.4%
use of installed capacity [GW]	21.5	25.7	4.1	19.2%
% utilization of total installed	10%	12%		
Hydro	**1.7**	**3.9**	2.2	133.4%
Rest of renewable	**0.4**	**0.3**	-0.1	-25.8%
Cogeneration	**1.6**	**1.1**	-0.5	-29.2%
Nuclear	**4.2**	**3.8**	-0.4	-10.5%
Coal	**0.3**	**0.2**	-0.1	-28.7%
Natural gas	**4.1**	**2.2**	-1.9	-46.4%
International exchanges	**-1.6** export	**-0.9** export	0.8	46.9%
France	-1.2	-0.8	0.4	
Portugal	-0.3	0.1	0.4	
Morocco	-0.1	-0.2	-0.05	

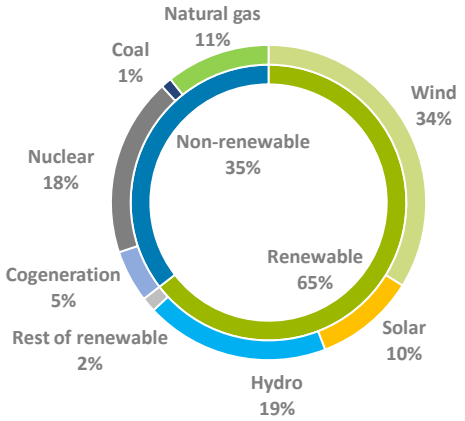
Amended demand in terms of working days and temperatures

2.7%

2022
Gas demand for Power Generation
9.5 TWh (g)

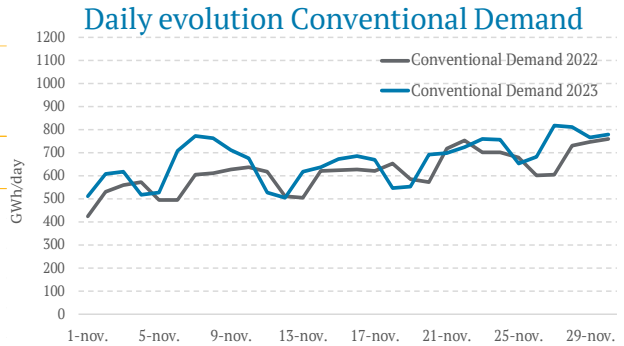


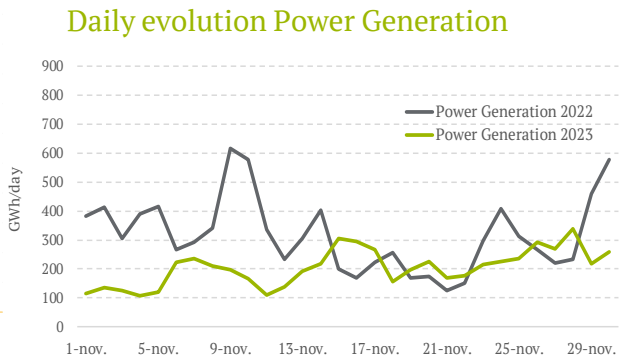
2023
Gas demand for Power Generation
6.1 TWh (g)



1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Nov-2023	%Δ vs Nov 2022	Nov-2023	%Δ vs Nov 2022	Nov-2023	%Δ vs Nov 2022
Andalucía	2,087	6.7%	1,036	-49.4%	196	1.5%
Aragón	1,069	1.3%	234	-58.0%	53	-1.2%
Asturias	501	14.2%	210	-66.5%	28	54.7%
Baleares	70	21.9%	602	-9.9%	3	13.0%
Cantabria	286	-3.1%	0	0.0%	35	899.7%
Castilla - La Mancha	1,023	34.3%	359	102.5%	68	-0.2%
Castilla y León	1,643	-4.1%	0	0.0%	67	8.1%
Cataluña	3,443	1.6%	1,367	24.8%	141	11.2%
Comunidad Valenciana	1,784	-16.1%	478	-24.4%	108	29.7%
Extremadura	172	4.5%	0	0.0%	42	-2.6%
Galicia	861	16.4%	548	-47.4%	53	-17.7%
La Rioja	210	-3.5%	214	13.7%	4	-42.1%
Madrid	2,533	16.6%	0	0.0%	100	53.1%
Murcia	1,163	114.5%	639	-33.0%	59	20.8%
Navarra	521	1.3%	125	-79.9%	14	-11.1%
País Vasco	1,587	9.8%	310	-65.6%	17	-54.9%





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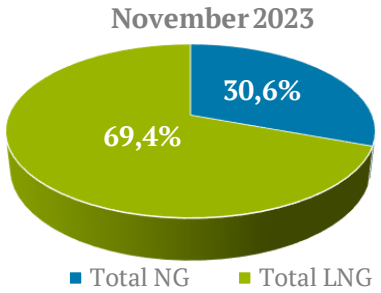
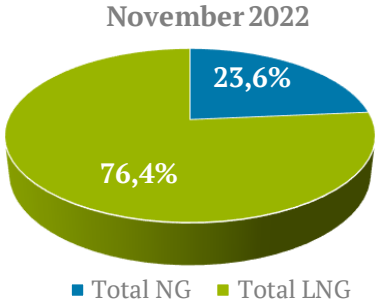
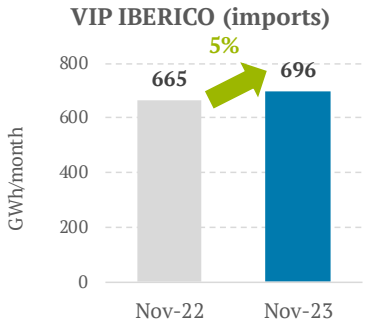
2.1 Demand coverage: Origin of supplies

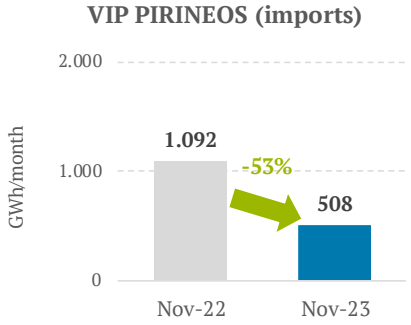
Unit: GWh		Monthly accumulated			Annual accumulated		Moving Annual Total	
		Nov-2023	% s TOTAL	Nov-2022	Jan-Nov 2023	% s TOTAL	MAT: Dic 2022-Nov 2023	% s TOTAL
Algeria	NG	9.352	27,6%	6.393	85.680	28,7%	95.286	28,3%
	LNG	173		0	20.595		20.595	
France	NG	508	1,5%	1.092	13.227	3,9%	13.503	3,6%
	LNG	0		0	1.089		1.089	
Angola	LNG	0	0,0%	0	3.111	0,8%	3.111	0,8%
Cameroon	LNG	0	0,0%	0	3.309	0,9%	4.345	1,1%
United States	LNG	12.752	36,9%	8.172	80.196	21,6%	92.748	22,7%
Equatorial Guinea	LNG	0	0,0%	0	1.891	0,5%	1.891	0,5%
Nigeria	LNG	3.706	10,7%	4.743	51.365	13,9%	54.137	13,2%
Peru	LNG	0	0,0%	840	3.865	1,0%	3.865	0,9%
Qatar	LNG	878	2,5%	1.760	12.417	3,4%	13.507	3,3%
Russia	LNG	6.439	18,6%	5.953	67.209	18,1%	72.662	17,8%
Trinidad	LNG	0	0,0%	1.806	6.487	1,8%	8.399	2,1%
Oman	LNG	0	0,0%	1.912	2.902	0,8%	2.902	0,7%
Belgium	LNG	0	0,0%	0	0	0,0%	0	0,0%
Egypt	LNG	0	0,0%	1.379	3.654	1,0%	6.128	1,5%
Portugal	NG	696	2,0%	665	9.385	2,5%	9.785	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	10	0,0%	37	221	0,1%	254	0,1%
National Biogas	NG	25	0,1%	19	219	0,1%	235	0,1%
TOTAL		**34.539**	**100%**	**34.771**	**370.606**	**100%**	**408.769**	**100%**

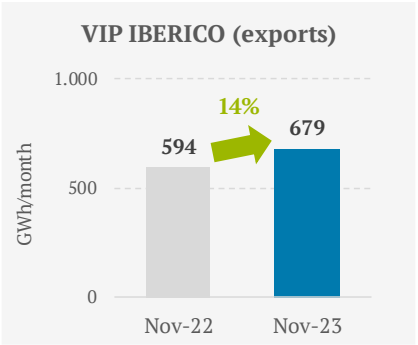


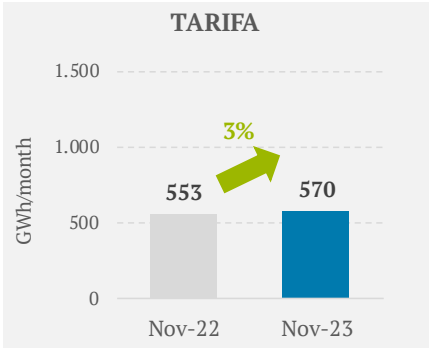


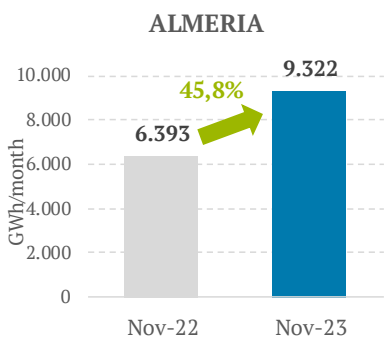
2.1 Demand coverage : Interconnection Points











(*) SL-ATR data

2.1 Demand coverage : Interconnection Points

Net balances

	Monthly accumulated			Annual accumulated		Moving Annual Total	
GWh	Nov-2023	Nov-2022	%Δ s/2022	Jan-Nov 2023	%Δ s/2022	MAT: Dic 2022-Nov 2023	%Δ MAT vs 2022
Tarifa	-570	-553	>100%	-8.662	>100%	-9.189	>100%
Almería	9.322	6.393	45,8%	85.650	-6,2%	95.256	-5,6%
VIP Ibérico	18	70	-74,9%	3.270	<-100%	2.704	<-100%
VIP Pirineos	-3.486	-2.025	72,2%	-22.665	>100%	-27.656	>100%
National Deposits	10	37	-73,8%	211	-29,7%	244	-26,8%
Biogas	25	19	33,3%	219	76,8%	235	70,5%
Total	**5.319**	**3.942**	**34,9%**	**58.023**	**-28,3%**	**61.594**	**-27,1%**

+ Transport network input
- Transport network output

(*) SL-ATR data

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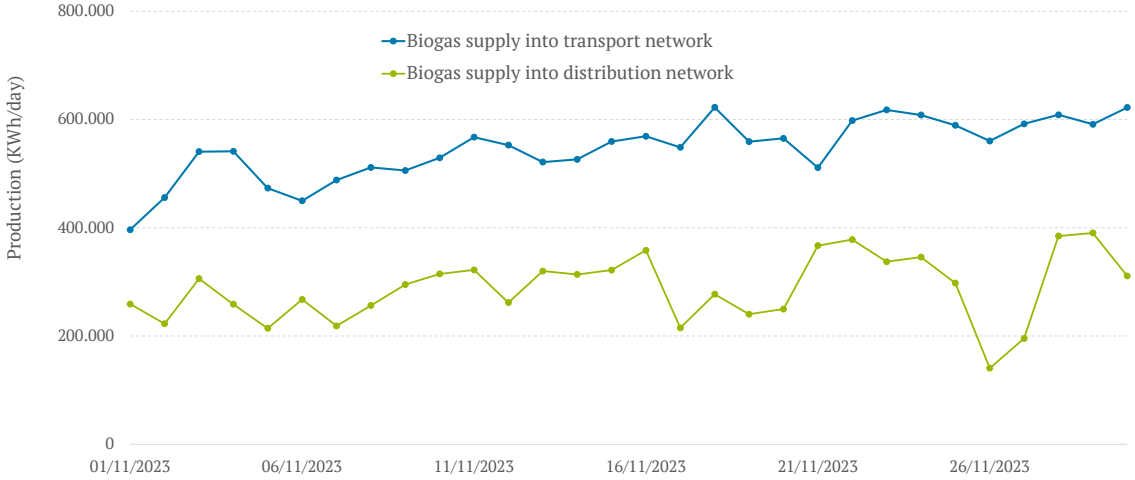
3. Renewable gases

BIOGAS production into Transport and Distribution Network

	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
Unidad: GWh	Nov-2023	Nov-2023	%Δ s/2022	Jan-Nov 2023	%Δ s/2022	MAT: Dic 2022-Nov 2023	%Δ s/2022
BIOGAS inyected into transport network	16,4	16,0	2,4%	154,1	24,7%	168,5	22,1%
BIOGAS inyected into distribution network	8,6	2,8	211,4%	64,4	81,9%	66,7	77,0%
Total	**25,0**	**18,8**	**33,3%**	**218,6**	**37,5%**	**235,3**	**33,9%**



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

(**) Graphic: Physical flows data

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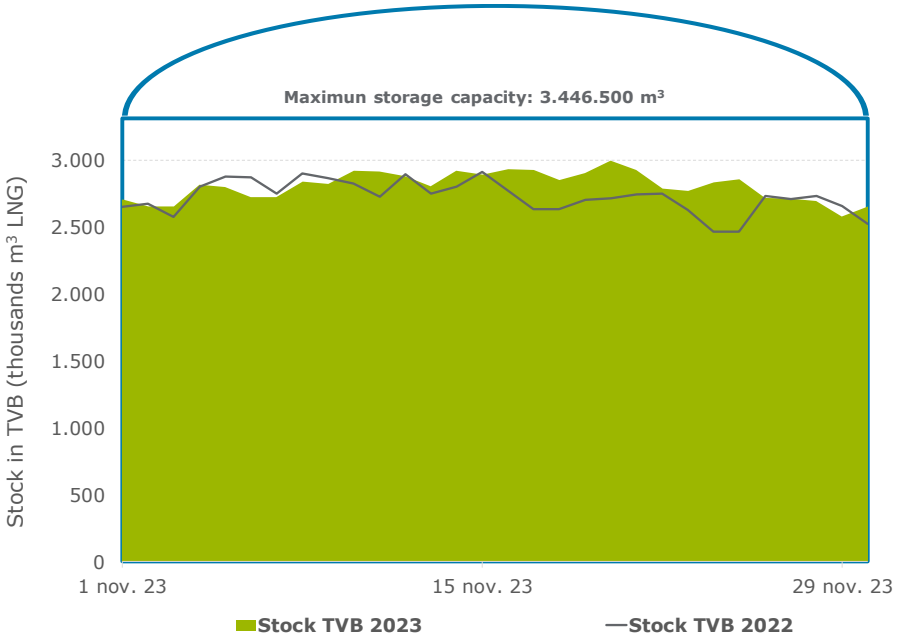
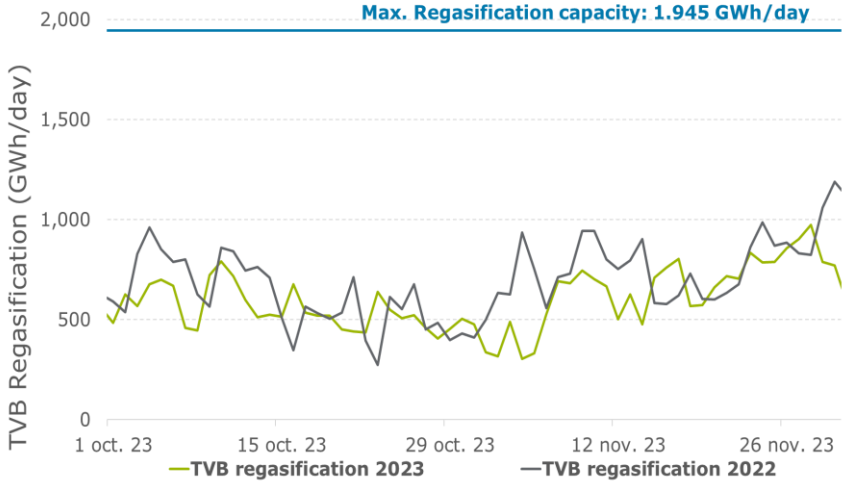
4. TVB activity

TVB stock evolution



Regasification in TVB



November 2023	GWh/month
Total regasification capacity	58,350
Contracted regasification capacity	22,020
Available regasification capacity	36,330
Commercial regasification	19,578

* 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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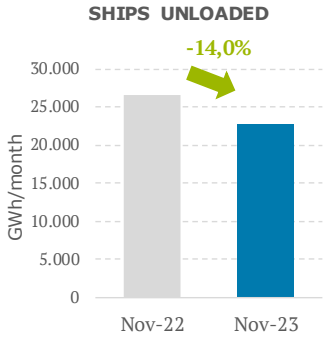
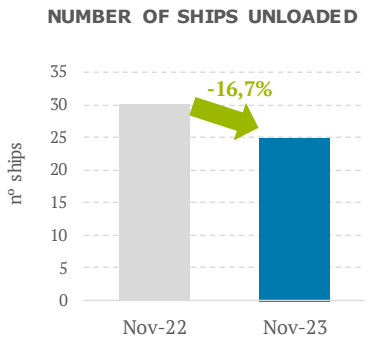
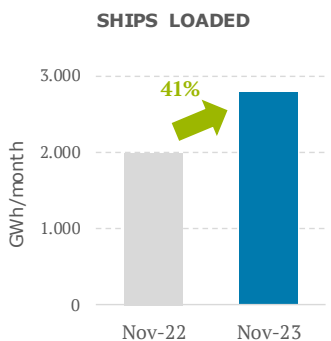
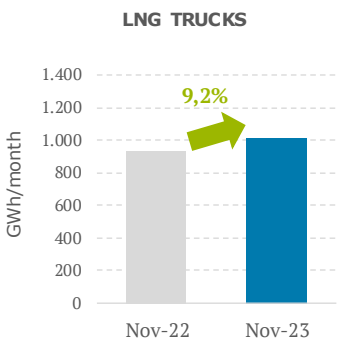
5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Nov-2023	Nov-2022	%Δ s/2022	Nov-2023	Nov-2022	%Δ s/2022	Nov-2023	Nov-2022	%Δ s/2022	Nov-2023	Nov-2022	%Δ s/2022
BARCELONA	5.112	3.462	47,7%	6	4	50,0%	292	449	-35,0%	211	214	-1,5%
HUELVA	4.227	7.286	-42,0%	5	8	-37,5%	76	20	>100%	204	198	2,7%
CARTAGENA	3.203	4.458	-28,2%	3	5	-40,0%	482	1.198	-59,8%	197	175	12,8%
BILBAO	4.348	4.419	-1,6%	4	5	-20,0%	0	0	>100%	108	91	19,1%
SAGUNTO	3.879	4.836	-19,8%	5	5	0,0%	1.848	167	>100%	177	141	26,1%
MUGARDOS	2.066	2.106	-1,9%	2	3	-33,3%	98	153	-36,0%	87	113	-22,8%
MUSEL (*)	0		>100%	0		>100%	0		-	32		>100%
Total	**22.834**	**26.566**	-14,0%	**25**	**30**	-16,7%	**2.796**	**1.986**	41%	**1.017**	**932**	9,2%









(*) 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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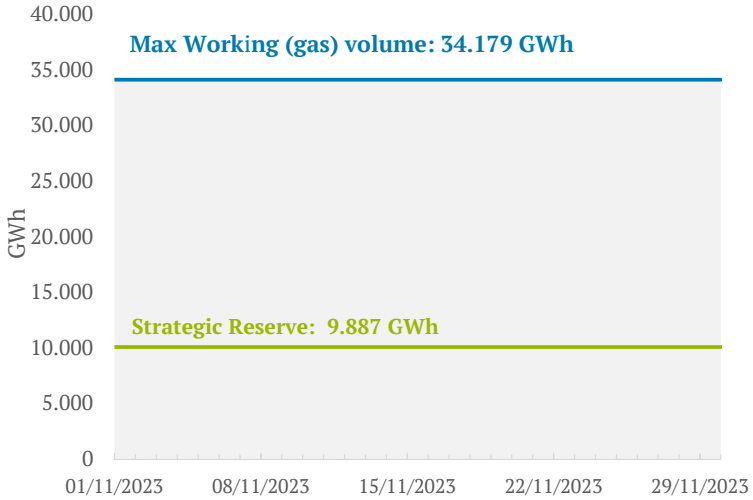
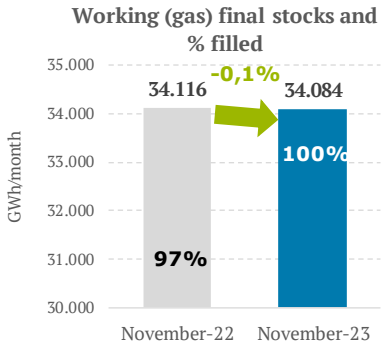
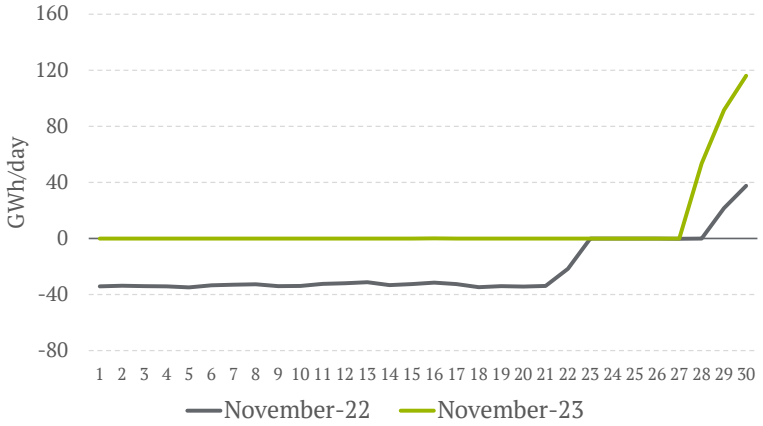
6. UGS activity

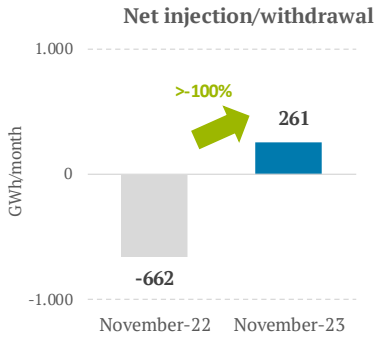
Working gas evolution





Daily withdrawal/injection





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7. Operating notes and other relevant facts

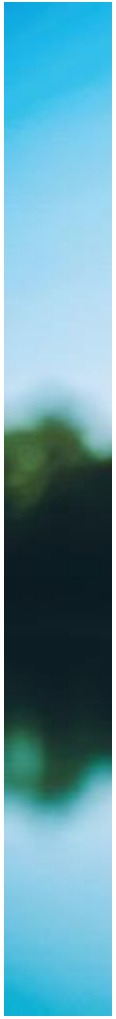
Operating notes:

- In **November 2023**, two Operation notes have been published, the second being the completion of the first.
  - Operation Note nº7 (beginning): Declaration of Exceptional Operation Situation derived from storms Ciarán and Elisa
  - Operation Note nº7 (closing): Declaration of Exceptional Operation Situation derived from storms Ciarán and Elisa.

Relevant facts:

- No relevant fact has been published this month

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



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