Statistical bulletin

March 2023

AVANCE

Technical Management of the System

GTS_DEMANDA@enagas.es

April-23

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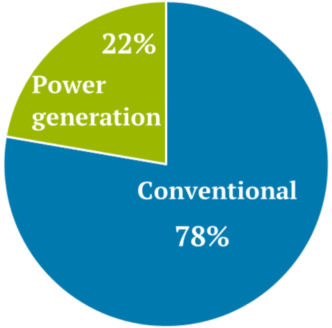
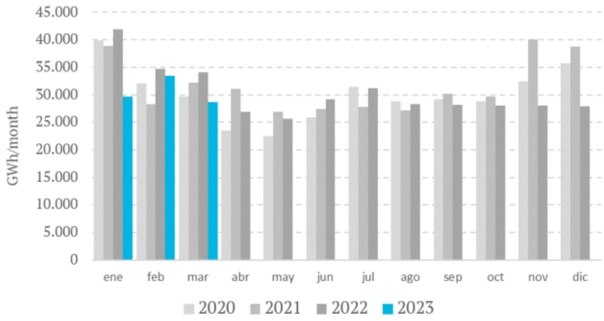
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Mar-2023	%Δ s/2022	Jan-Mar 2023	%Δ s/2022	MAT: Apr 2022-Mar 2023	%Δ MAT vs 2022
National Market demand	**28.685**	**-16,0%**	**91.891**	**-17,1%**	**345.439**	**-5,2%**
Conventional	22.293	-15,8%	70.696	-13,9%	214.956	-5,0%
Power generation	6.393	-17,0%	21.195	-26,3%	130.483	-5,5%
International Market demand	**7.659**	**>100%**	**20.655**	**104,4%**	**78.544**	**15,5%**
International conections exports	5.422	98,1%	12.958	>100%	49.875	15,7%
LNG Vessel loading	2.237	>100%	7.696	97,6%	28.669	15,3%
TOTAL	**36.344**	**-1,7%**	**112.546**	**-7,0%**	**423.983**	**-1,9%**

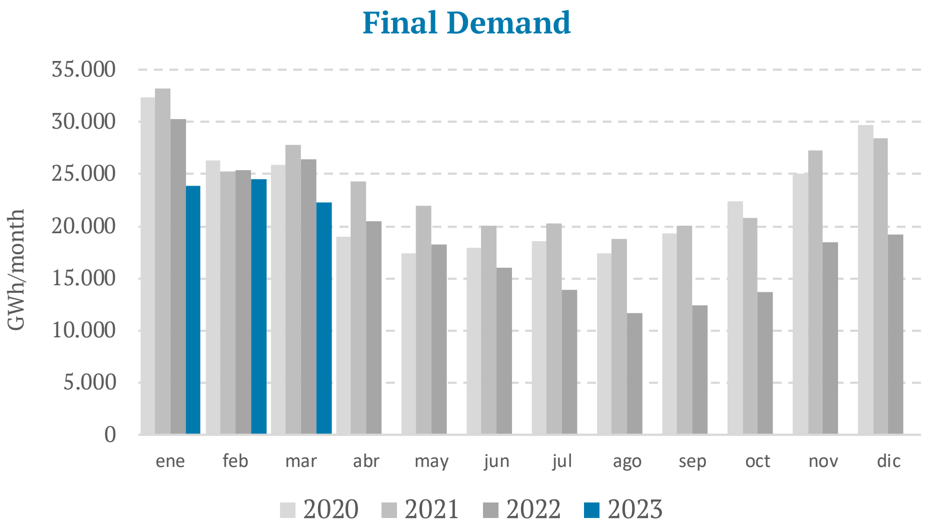
National market demand March 2023

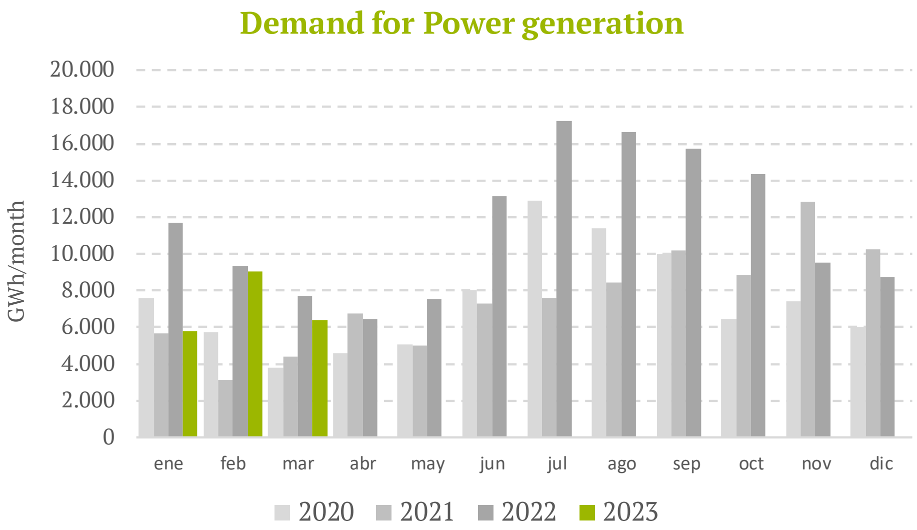


Total Demand



1. Evolution of gas demand





1.1 Evolution of gas demand. Conventional

Demand

Conventional market

-15,8%

Lower than the previous year

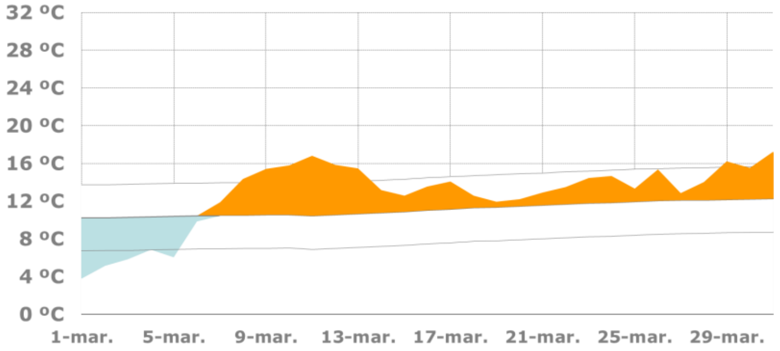
Temperatures

+1,7ºC

Higher than the previous year

Demand	Conventional demand Mar 2023 (*) GWh	%23 s/22	Accumulated Jan-Mar 2023 GWh	%23 s/22	MAT Abr22-Mar23 GWh	% TAM s/22
Demand	22.293	-15,8%	70.696	-13,9%	214.956	-5,0%
Calendar		0,0%		0,4%		0,2%
Temperature		-9,6%		-3,5%		-1,3%
Amended demand		-6,2%		-10,8%		-4,0%

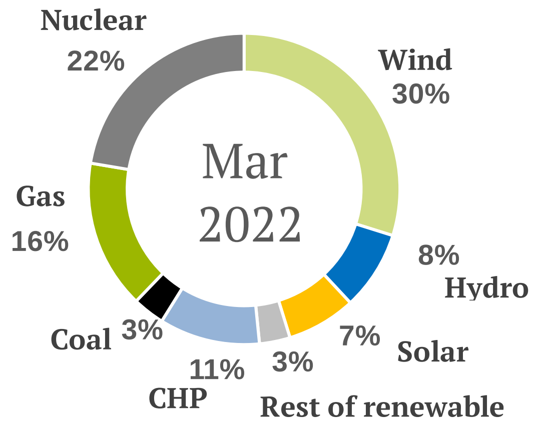
*** The sum of the correction factors is equal to % of total demand**



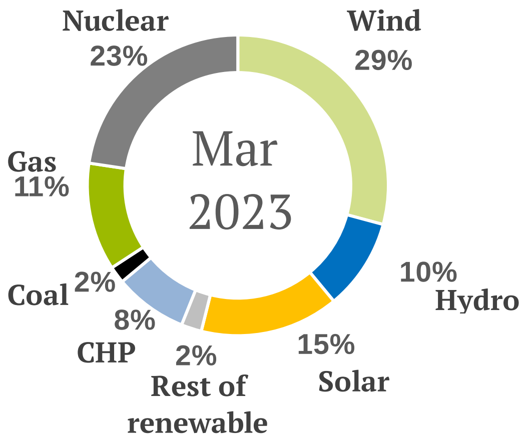
Temperatura de referencia del Sistema Gasista

1.2 Power generation– electricity generation mix

TWh (e)	Mar 2022	Mar 2023
Power generation	20,3	19,3
Wind	6,4	6,6
Hydraulic	1,8	2,2
Solar	1,5	3,4
Rest of renewable	0,7	0,5
Cogeneration	2,2	1,8
Thermal Gap	4,0	3,0
Coal	0,7	0,4
Gas	3,3	2,6
% gas in TG	82%	86%
Nuclear	4,8	5,1
International balances	-0,9 export	-2,6 export



Gas demand for Power Generation
7,7 TWh (g)



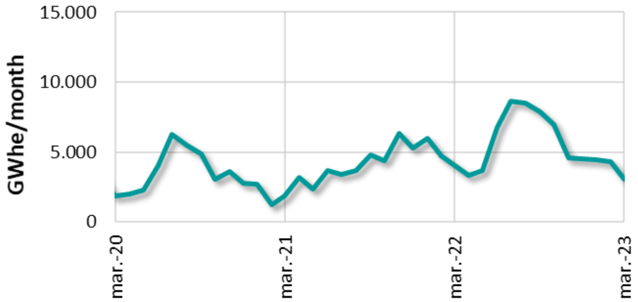
Gas demand for Power Generation
6,4 TWh (g)

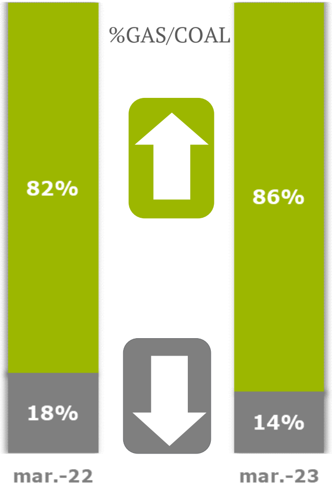
1.2 Power generation – Thermal Gap evolution

Thermal Gap

-25%

Than the previous year



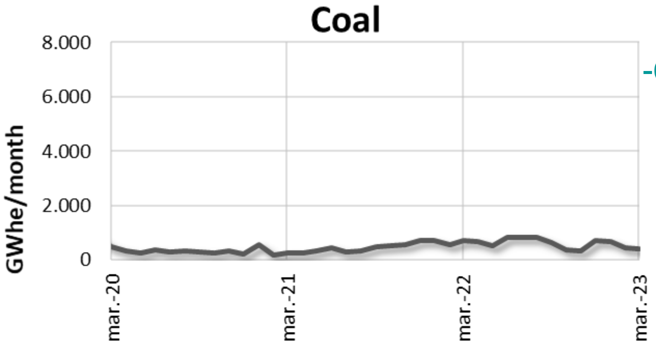


Generation gas mix

-22,2 GWh(e)/day

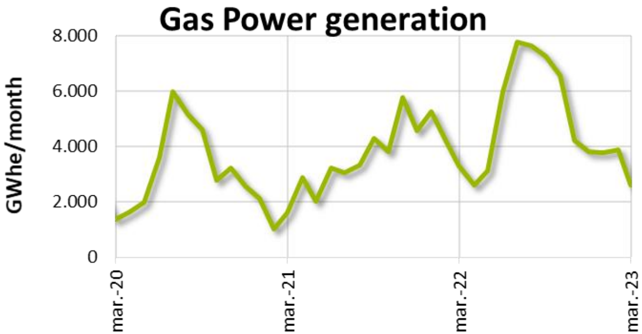
Generation coal mix

-9,5 GWh(e)/day



-0,3 TWh/month(e)

-42% vs mar-22



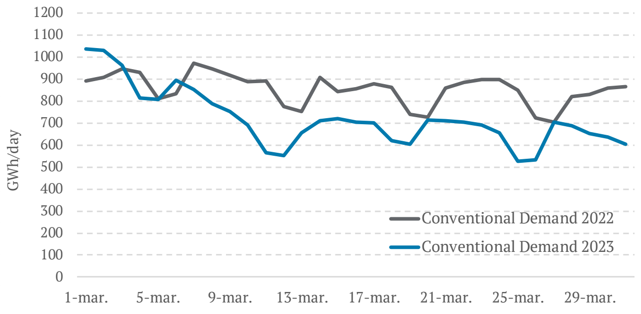
-0,7 TWh/month(e)

-21% vs mar-22

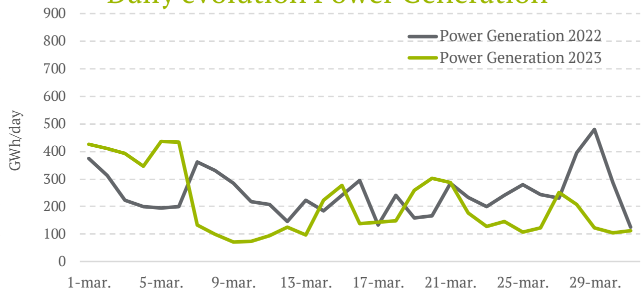
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Mar-2023	%Δ vs Mar 2022	Mar-2023	%Δ vs Mar 2022	Mar-2023	%Δ vs Mar 2022
Andalucía	2.352	-11,8%	1.478	61,0%	215	-13,9%
Aragón	1.158	-24,4%	305	45,0%	47	-45,5%
Asturias	535	-12,9%	387	-32,1%	22	-23,3%
Baleares	109	-0,7%	645	-24,4%	6	-11,1%
Cantabria	406	-3,2%			4	7,4%
Castilla - La Mancha	1.131	-3,3%	342	19,0%	68	-26,2%
Castilla y León	1.740	-15,4%			63	-17,6%
Cataluña	3.931	-23,2%	885	0,2%	157	-19,3%
Comunidad Valenciana	2.409	-20,3%	328	-30,7%	107	10,0%
Extremadura	176	-10,1%			28	-47,9%
Galicia	877	-17,3%	305	-37,3%	56	-20,6%
La Rioja	224	-24,9%	186	21,2%	11	89,7%
Madrid	2.371	-29,9%			142	320,0%
Murcia	1.265	22,8%	825	-21,3%	53	-20,5%
Navarra	571	-13,1%	339	-61,7%	13	-39,4%
País Vasco	1.893	-3,5%	366	-60,5%	48	63,5%

Daily evolution Conventional Demand



Daily evolution Power Generation



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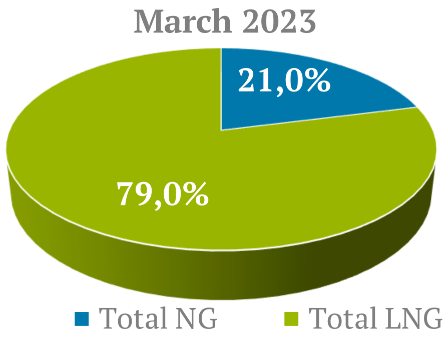
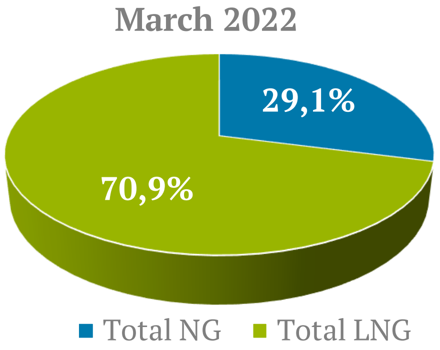
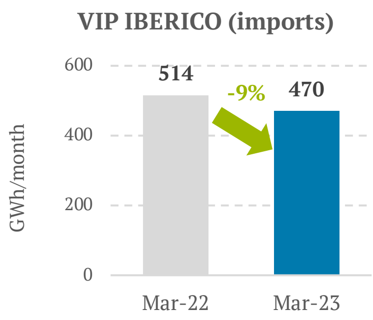
2.1 Demand coverage: Origin of supplies

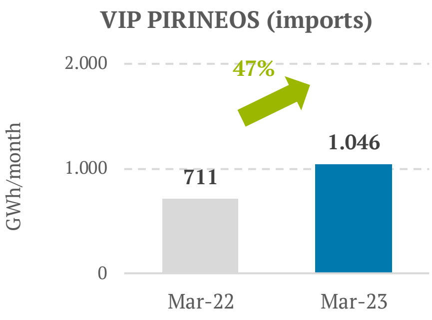
Unit: GWh		Monthly accumulated (*)			Annual accumulated (*)		Moving Annual Total (*)	
		Mar-2023	% s TOTAL	Mar-2022	Jan-Mar 2023	% s TOTAL	MAT: Apr 2022-Mar 2023	% s TOTAL
Algeria	NG	6.403	24,5%	9.666	22.354	24,3%	95.218	23,4%
	LNG	2.871		1.473	2.947		6.921	
France	NG	1.046	2,8%	711	4.886	4,7%	21.966	5,3%
	LNG	0		0	0		1.068	
Angola	LNG	0	0,0%	0	0	0,0%	3.103	0,7%
Cameroon	LNG	0	0,0%	0	1.108	1,1%	4.287	1,0%
United States	LNG	11.012	29,1%	16.264	25.377	24,4%	113.302	25,9%
Equatorial Guinea	LNG	921	2,4%	0	1.891	1,8%	5.902	1,3%
Nigeria	LNG	5.920	15,6%	2.909	15.644	15,0%	61.579	14,1%
Peru	LNG	0	0,0%	0	0	0,0%	1.920	0,4%
Qatar	LNG	1.818	4,8%	0	4.459	4,3%	17.177	3,9%
Russia	LNG	5.460	14,4%	3.277	17.297	16,6%	63.526	14,5%
Trinidad	LNG	979	2,6%	1.011	2.402	2,3%	12.134	2,8%
Oman	LNG	962	2,5%	0	962	0,9%	4.813	1,1%
Belgium	LNG	0	0,0%	0	0	0,0%	1.094	0,3%
Egypt	LNG	0	0,0%	1.741	1.641	1,6%	13.942	3,2%
Portugal	NG	470	1,2%	514	1.921	1,8%	5.049	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%	25	83	0,1%	335	0,1%
National Biogas	NG	16	0,0%	10	37	0,0%	146	0,0%
TOTAL		**37.907**	**100%**	**37.601**	**104.007**	**100%**	**437.220**	**100%**

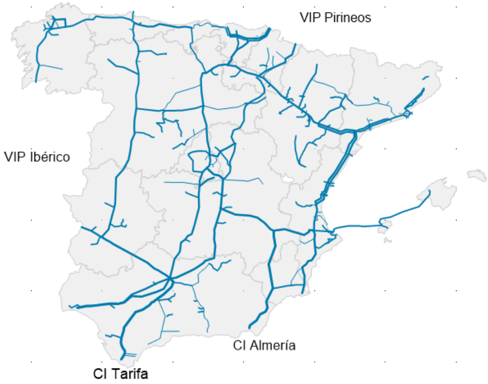


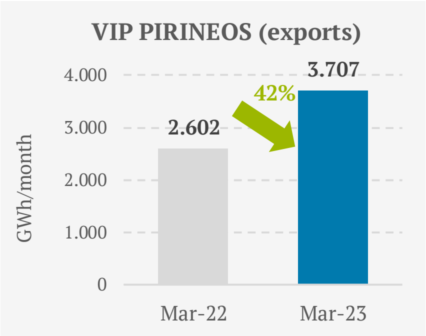


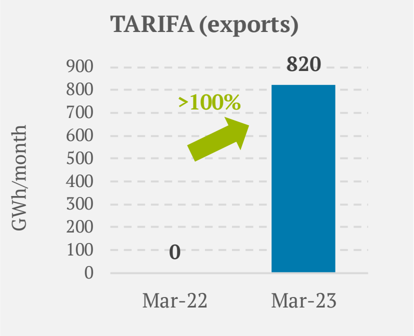
2.1 Demand coverage : Interconnection Points

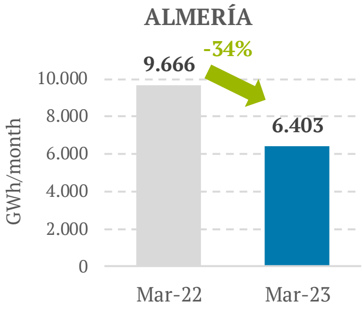












(*) SL-ATR data

2.1 Demand coverage : Interconnection Points

Net balances

	Monthly accumulated			Annual accumulated		Moving Annual Total	
GWh	Mar-2023	Mar-2022	%Δ s/2022	Jan-Mar 2023	%Δ s/2022	MAT: Apr 2022-Mar 2023	%Δ MAT vs 2022
Tarifa	-820	0	>100%	-2.036	<-100%	-3.918	>100%
Almería	6.403	9.666	-33,8%	22.354	-20,4%	95.218	-5,7%
VIP Ibérico	-425	379	<-100%	-870	<-100%	-3.187	>100%
VIP Pirineos	-2.662	-1.891	40,7%	-3.245	>100%	-15.756	14,0%
National Deposits	32	25	28,0%	83	1,6%	335	0,4%
Biogas	16	10	55,0%	37	26,8%	146	5,7%
Total	**2.543**	**8.189**	**-68,9%**	**16.322**	**-41,7%**	**72.838**	**-13,8%**

+ Transport network input
- Transport network output

(*) SL-ATR data

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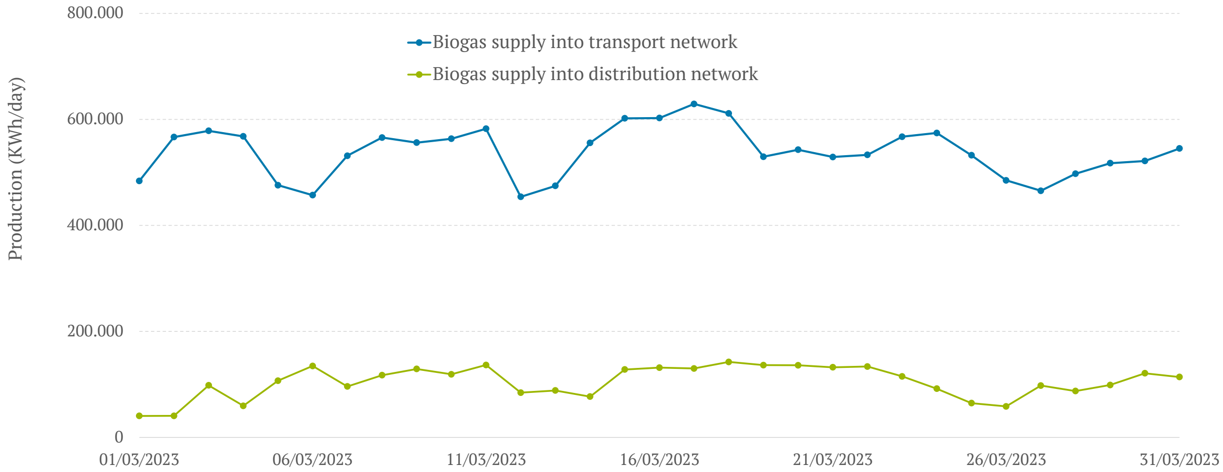
3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Mar-2023	Mar-2023	%Δ s/2022	Jan-Mar 2023	%Δ s/2022	MAT: Apr 2022-Mar 2023	%Δ s/2022
BIOGAS inyected into transport network	15,5	10,0	55,0%	21,5	12,2%	140,3	1,7%
BIOGAS inyected into distribution network	3,2	2,3	43,1%	5,0	-39,0%	34,5	-8,6%
Total	**18,7**	**12,3**	**52,8%**	**26,6**	**-3,3%**	**174,8**	**-0,5%**



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

(**) Graphic: Physical flows data

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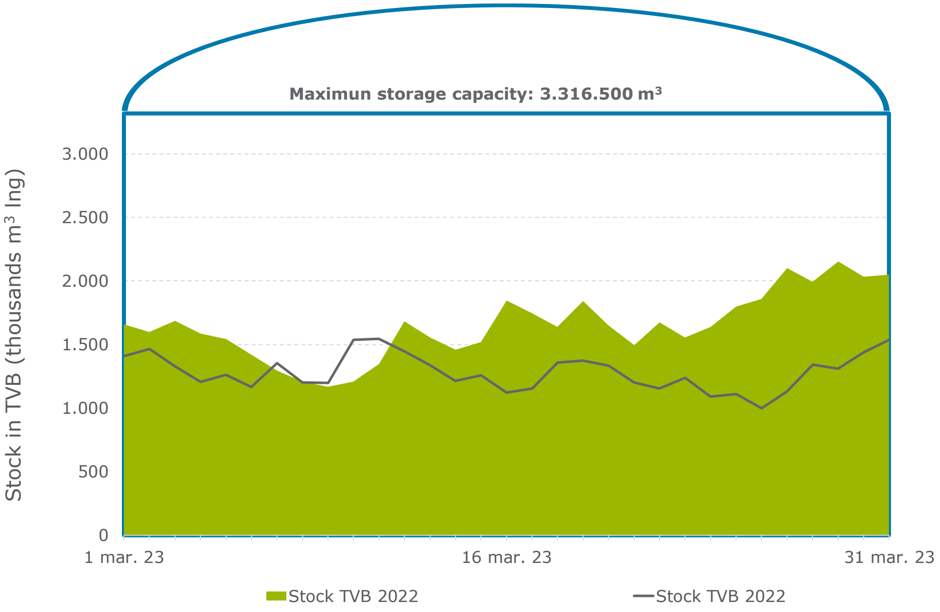
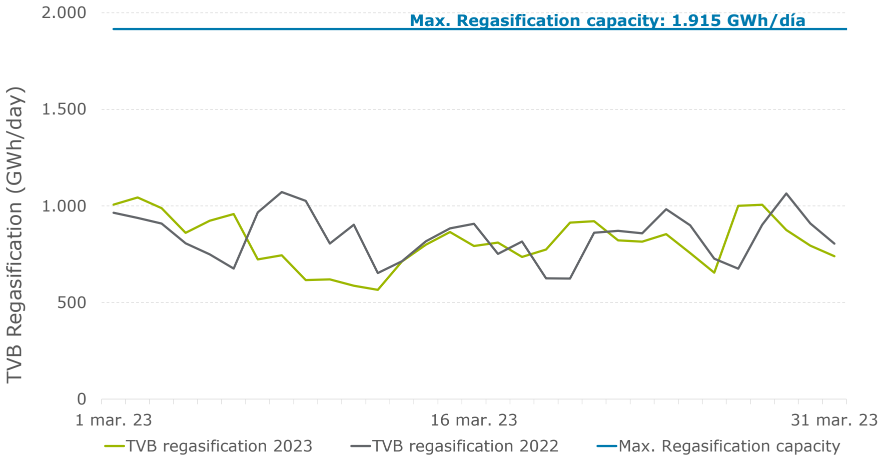
4. TVB activity

TVB stock evolution



Regasification in TVB



March 2023	GWh/month
Total regasification capacity	59.365
Contracted regasification capacity	27.572
Available regasification capacity	31.793
Commercial regasification	24.345

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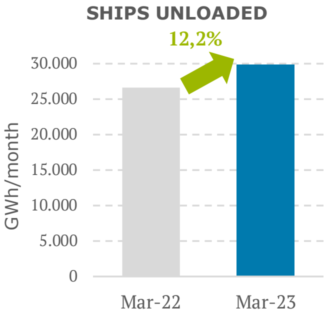
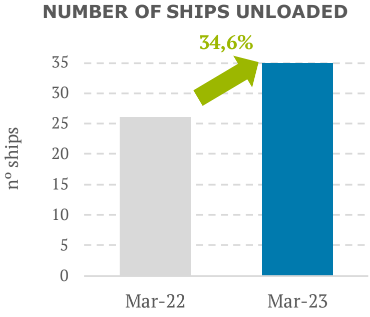
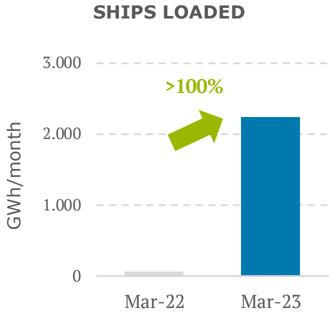
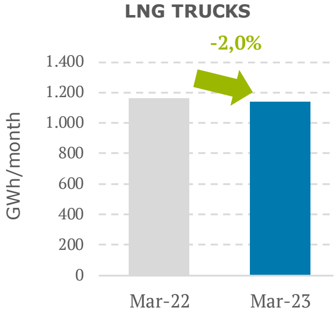
5. Regasification plants activity

GWh	Ships Unloaded Mar-2023	Ships Unloaded Mar-2022	Ships Unloaded %Δ s/2022	Number of Ships Unloaded Mar-2023	Number of Ships Unloaded Mar-2022	Number of Ships Unloaded %Δ s/2022	Ships Loaded Mar-2023	Ships Loaded Mar-2022	Ships Loaded %Δ s/2022	LNG Trucks Mar-2023	LNG Trucks Mar-2022	LNG Trucks %Δ s/2022
BARCELONA	6.927	3.145	>100%	9	3	>100%	775	27	>100%	306	276	10,8%
HUELVA	2.764	4.772	-42,1%	3	5	-40,0%	15	26	-42,2%	216	250	-13,4%
CARTAGENA	4.313	4.162	3,6%	5	4	25,0%	489	1	>100%	201	238	-15,7%
BILBAO	6.171	7.501	-17,7%	6	7	-14,3%	0	0	>100%	129	114	13,8%
SAGUNTO	7.488	6.036	24,1%	9	6	50,0%	909	0	>100%	178	170	5,2%
MUGARDOS	2.279	1.059	>100%	3	1	>100%	48	13	>100%	112	119	-5,6%
Total	**29.942**	**26.675**	12,2%	**35**	**26**	34,6%	**2.237**	**67**	>100%	**1.143**	**1.166**	-2,0%









(*) Datos de repartos del SL-ATR

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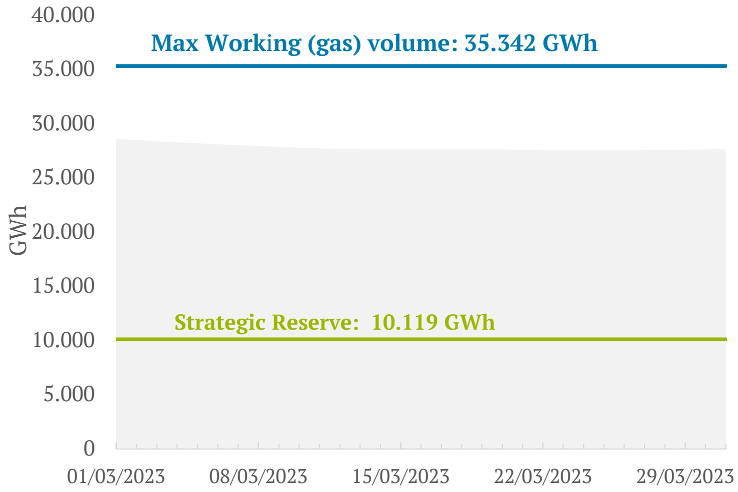
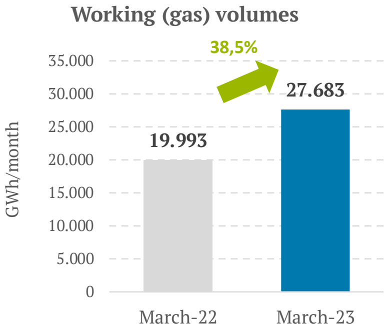
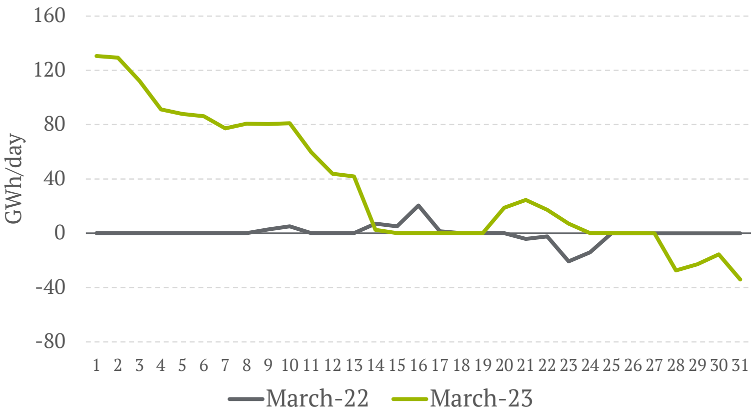
6. UGS activity

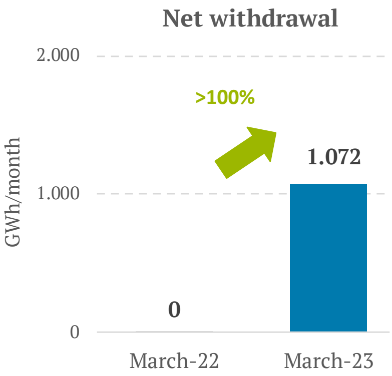
Working gas evolution





Daily withdrawal/injection





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7. Operating notes and other relevant facts

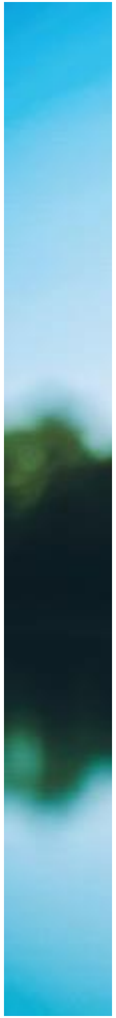
Operating notes:

- In **March 2023**, two continuations to previous Operation notes have been published.
  - Operation note nº3: exceptional operating situation – zero level– unavailability of Euskadour compressor station.
  - Operation note nº4: Declaration of Exceptional Operating Situation Level 0. Zero Level – Cold Snap.

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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