

# Statistical bulletin

May 2023

**PRELIMINARY**

Technical Management of the System

[GTS\\_DEMANDA@enagas.es](mailto:GTS_DEMANDA@enagas.es)

June-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

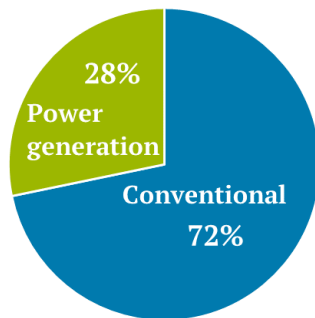
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

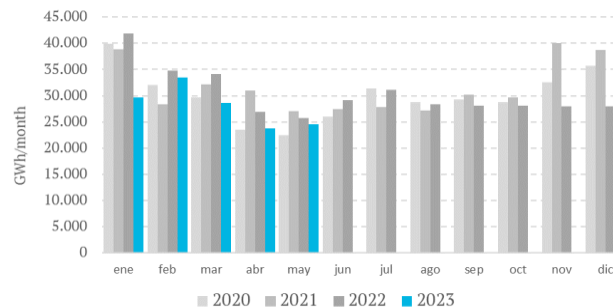
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	May-2023	%Δ s/2022	Jan-May 2023	%Δ s/2022	MAT: Jun 2022-May 2023	%Δ MAT vs 2022
<b>National Market demand</b>	<b>24.536</b>	<b>-4,6%</b>	<b>140.146</b>	<b>-14,3%</b>	<b>341.039</b>	<b>-6,4%</b>
Conventional	17.606	-3,4%	106.045	-12,3%	211.564	-6,6%
Power generation	6.929	-7,6%	34.101	-20,1%	129.474	-6,2%
<b>International Market demand</b>	<b>9.497</b>	<b>22,3%</b>	<b>40.598</b>	<b>&gt;100%</b>	<b>82.893</b>	<b>21,9%</b>
International conexions exports	7.329	16,8%	28.118	53,8%	52.966	22,8%
LNG Vessel loading	2.168	45,5%	12.480	68,2%	29.927	20,3%
<b>TOTAL</b>	<b>34.033</b>	<b>1,6%</b>	<b>180.744</b>	<b>-4,5%</b>	<b>423.932</b>	<b>-2,0%</b>

National market demand May 2023

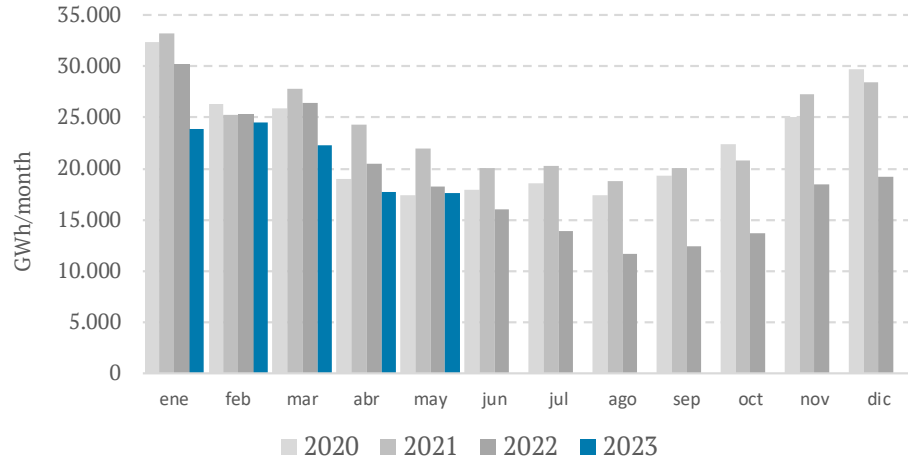


Total Demand

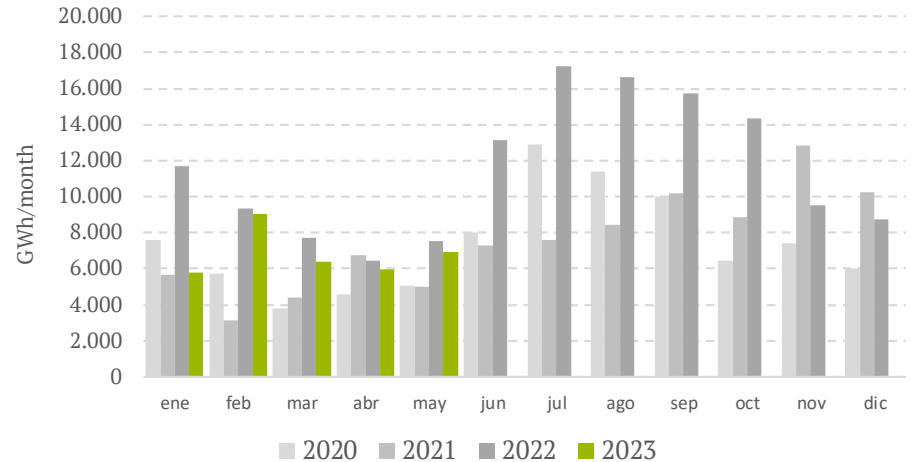


# 1. Evolution of gas demand

## Final Demand



## Demand for Power generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**-3,4%**

Lower than the previous year

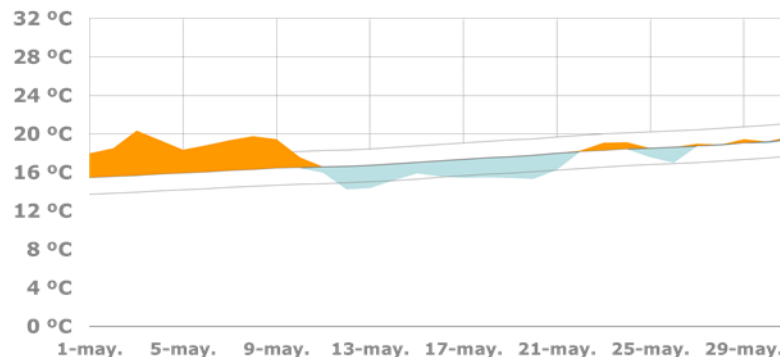
Temperatures

**-1,6°C**

Lower than the previous year

Demand	Conventional demand		Accumulated		MAT	
	May 2023 (*)		Ene-May 2023		Jun22-May23	
	GWh	%23 s/22	GWh	%23 s/22	GWh	% TAM s/22
	17.606	-3,4%	106.045	-12,3%	211.564	-6,6%
Calendar		2,7%		0,3%		4,4%
Temperature		-0,5%		-4,7%		-2,5%
Amended demand		-5,7%		-7,9%		-8,5%

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

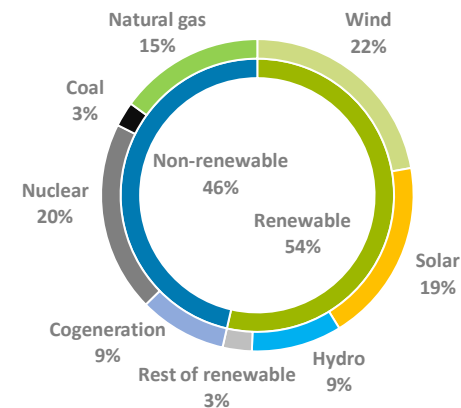


Temperatura de referencia del Sistema Gasista

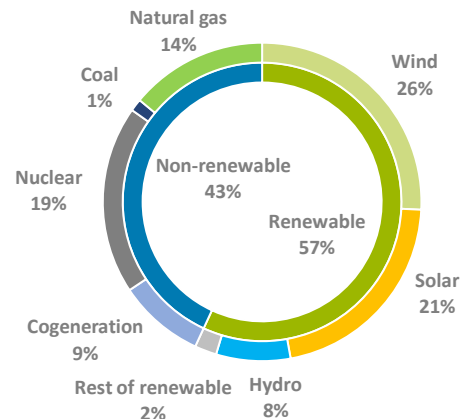
# 1.2 Power generation– electricity generation mix

TWh (e)	2022 May 1 <sup>st</sup> to 31 <sup>st</sup>	2023 May 1 <sup>st</sup> to 31 <sup>st</sup>	Δ 2023 vs 2022
<b>Power generation</b>	<b>19,1</b>	<b>17,4</b>	<b>-1,7</b>
<b>Wind</b>	<b>4,6</b>	<b>5,1</b>	<b>0,5</b>
use of installed capacity [GW]	28,9	29,6	0,6
% utilization of total installed	21%	23%	
<b>Solar</b>	<b>3,9</b>	<b>4,2</b>	<b>0,3</b>
use of installed capacity [GW]	18,8	22,7	4,0
% utilization of total installed	28%	25%	
<b>Hydro</b>	<b>1,9</b>	<b>1,5</b>	<b>-0,4</b>
<b>Rest of renewable</b>	<b>0,6</b>	<b>0,4</b>	<b>-0,2</b>
<b>Cogeneration</b>	<b>1,9</b>	<b>1,7</b>	<b>-0,1</b>
<b>Nuclear</b>	<b>4,1</b>	<b>3,8</b>	<b>-0,3</b>
<b>Coal</b>	<b>0,5</b>	<b>0,2</b>	<b>-0,3</b>
<b>Natural gas</b>	<b>3,1</b>	<b>2,7</b>	<b>-0,4</b>
<b>International exchanges</b>	<b>-2,0</b>	<b>-2,7</b>	<b>-0,7</b>
export	export	export	
<b>France</b>	-0,8	-0,9	-0,1
<b>Portugal</b>	-1,1	-1,6	-0,5
<b>Morocco</b>	-0,1	-0,2	-0,1

**2022**  
Gas demand for  
Power Generation  
**7,5 TWh (g)**



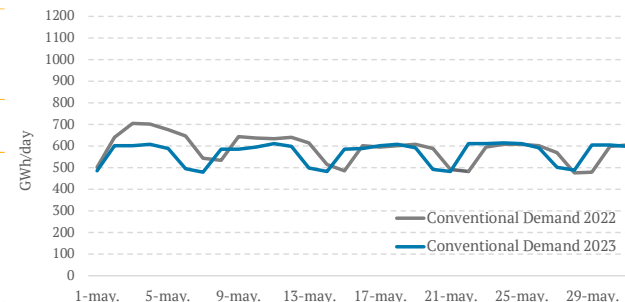
**2023**  
Gas demand for  
Power Generation  
**6,9 TWh (g)**



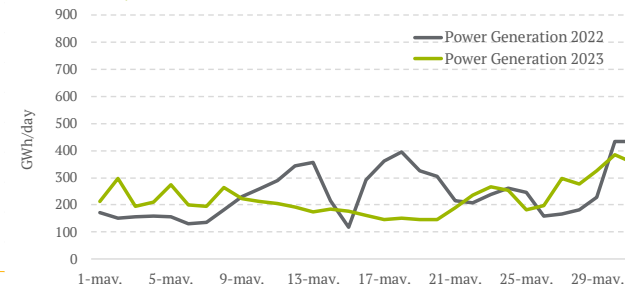
# 1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	May-2023	%Δ vs May 2022	May-2023	%Δ vs May 2022	May-2023	%Δ vs May 2022
Andalucía	1.997	-12,0%	1.342	21,1%	165	-15,2%
Aragón	1.031	-2,1%	281	-8,8%	46	-8,9%
Asturias	395	-15,6%	376	-18,1%	27	32,2%
Baleares	100	27,2%	653	-25,6%	10	15,6%
Cantabria	321	-15,1%	0	0,0%	4	-13,5%
Castilla - La Mancha	942	27,0%	33	-85,2%	52	-13,1%
Castilla y León	1.270	0,0%	0	0,0%	51	4,0%
Cataluña	3.356	5,4%	1.224	4,7%	127	-12,8%
Comunidad Valenciana	2.208	-15,4%	453	0,9%	97	-10,1%
Extremadura	133	-11,2%	0	0,0%	22	-23,3%
Galicia	792	-13,2%	766	4,2%	54	16,1%
La Rioja	148	-1,4%	172	18,1%	4	-24,4%
Madrid	1.100	-6,2%	0	0,0%	150	424,3%
Murcia	947	11,2%	924	5,9%	46	2,0%
Navarra	439	8,0%	263	-30,6%	15	0,8%
País Vasco	1.489	-10,6%	438	-43,3%	39	73,1%

### Daily evolution Conventional Demand



### Daily evolution Power Generation



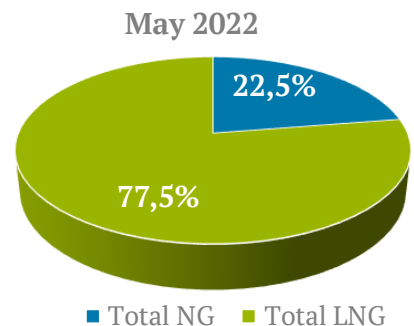
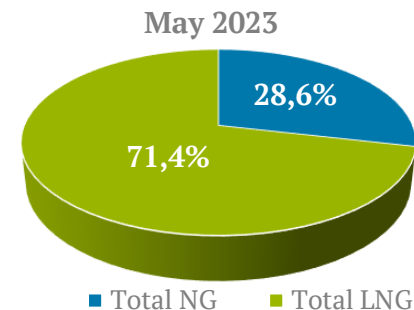


1. Evolution of gas demand
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  2. Power generation
  3. CCAA
2. **Demand coverage**
  1. **Origin of supplies**
  2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating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

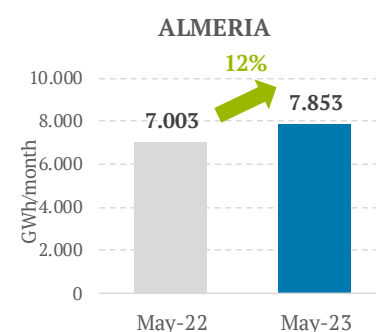
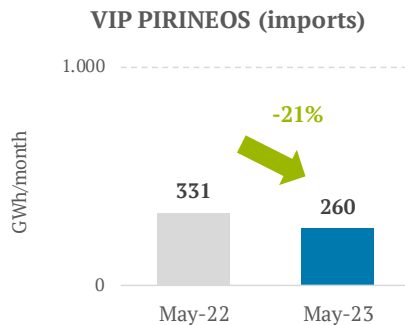
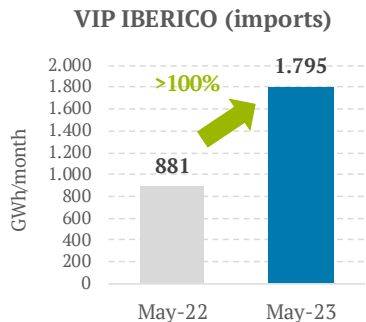
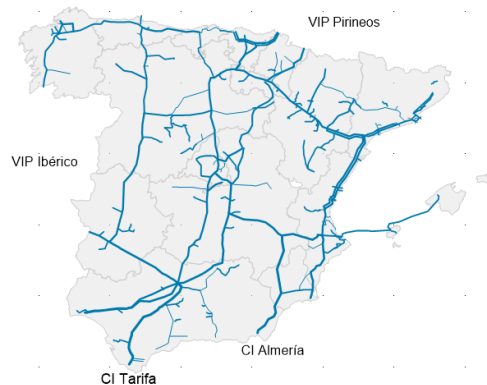


## 2.1 Demand coverage: Origin of supplies

Unit: GWh		Monthly accumulated		Annual accumulated		Moving Annual Total		
		May-2023	% s TOTAL	May-2022	Jan-May 2023	% s TOTAL	MAT: Jun 2022-May 2023	% s TOTAL
Algeria	NG	7.853		7.003	37.165		93.977	
	LNG	1.971	28,3%	2.091	6.850	25,0%	8.237	23,7%
France	NG	260		331	5.349		21.634	
	LNG	0	0,7%	1.068	0	3,0%	0	5,0%
Angola	LNG	1.032	3,0%	0	2.059	1,2%	5.162	1,2%
Cameroon	LNG	0	0,0%	0	2.206	1,3%	4.258	1,0%
United States	LNG	1.964	5,7%	13.083	36.005	20,4%	98.310	22,8%
Equatorial Guinea	LNG	0	0,0%	0	1.891	1,1%	4.979	1,2%
Nigeria	LNG	6.813	19,6%	4.946	27.297	15,5%	61.396	14,2%
Peru	LNG	1.084	3,1%	1.080	1.084	0,6%	1.924	0,4%
Qatar	LNG	877	2,5%	878	6.213	3,5%	16.266	3,8%
Russia	LNG	9.663	27,8%	3.289	33.472	19,0%	73.135	16,9%
Trinidad	LNG	1.372	4,0%	0	3.774	2,1%	13.505	3,1%
Oman	LNG	0	0,0%	0	2.902	1,6%	5.794	1,3%
Belgium	LNG	0	0,0%	0	0	0,0%	1.094	0,3%
Egypt	LNG	0	0,0%	1.989	2.754	1,6%	10.613	2,5%
Portugal	NG	1.795	5,2%	881	4.990	2,8%	6.623	1,5%
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	10	0,0%	23	100	0,1%	298	0,1%
National Biogas	NG	16	0,0%	10	69	0,0%	159	0,0%
<b>TOTAL</b>		<b>34.709</b>	<b>100%</b>	<b>36.671</b>	<b>176.113</b>	<b>100%</b>	<b>431.866</b>	<b>100%</b>



# 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	
	May-2023	May-2022	%Δ s/2022	Jan-May 2023	%Δ s/2022	MAT: Jun 2022-May 2023	%Δ MAT vs 2022
Tarifa	-868	0	>100%	-3.738	<-100%	-5.620	>100%
Almería	7.853	7.003	12,1%	37.165	-15,8%	93.977	-6,9%
VIP Ibérico	1.561	791	97,5%	1.700	-28,0%	-1.845	55,7%
VIP Pirineos	-5.967	-5.854	1,9%	-15.740	27,8%	-17.243	24,7%
National Deposits	10	23	-56,9%	100	-26,3%	298	-10,7%
Biogas	16	10	58,5%	69	42,8%	159	14,9%
<b>Total</b>	<b>2.605</b>	<b>1.972</b>	<b>32,1%</b>	<b>19.556</b>	<b>-43,1%</b>	<b>69.725</b>	<b>-17,5%</b>

+ Transport network input

- Transport network output

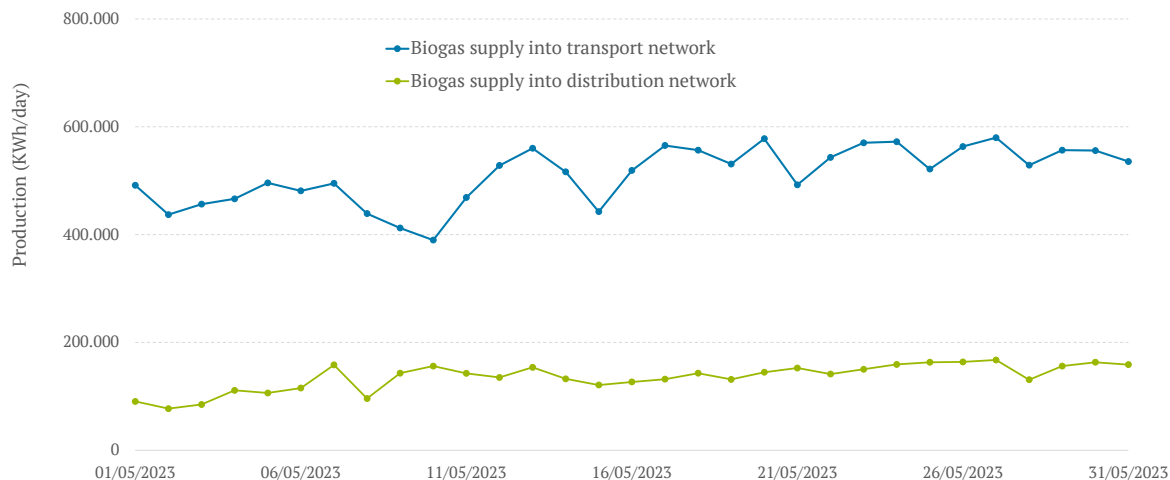


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# 3. Renewable gases

## BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	May-2023	May-2023	%Δ s/2022	Jan-May 2023	%Δ s/2022	MAT: Jun 2022-May 2023	%Δ s/2022
BIOGAS injected into transport network	15,9	10,0	58,5%	68,5	42,8%	158,5	14,9%
BIOGAS injected into distribution network	4,2	2,8	51,5%	15,4	-0,9%	37,6	-0,4%
<b>Total</b>	<b>20,1</b>	<b>12,8</b>	<b>57,0%</b>	<b>84,0</b>	<b>32,1%</b>	<b>196,1</b>	<b>11,6%</b>



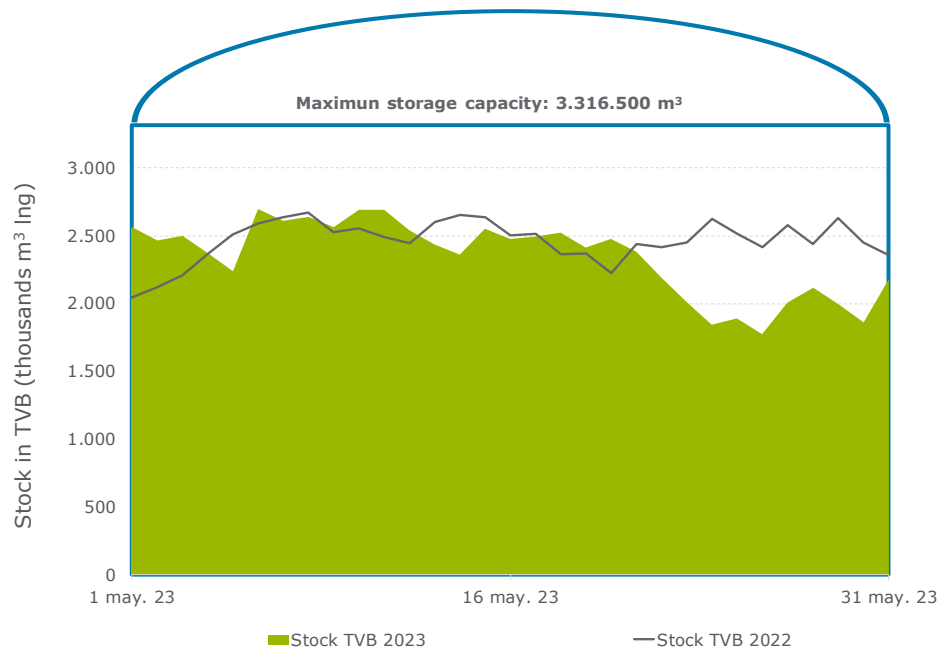
(\*) Table: Allocation data from the SL-ATR



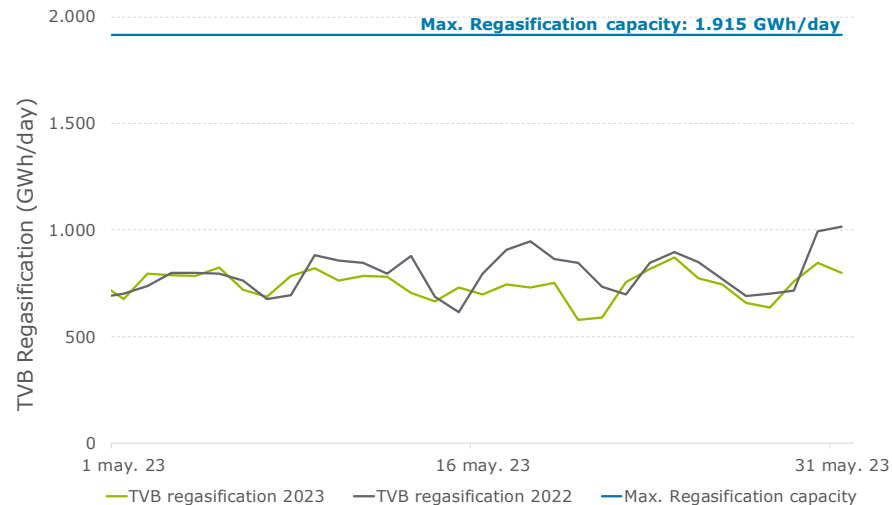
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# 4. TVB activity

## TVB stock evolution



## Regasification in TVB



May 2023	GWh/month
Total regasification capacity	59.365
Contracted regasification capacity	25.182
Available regasification capacity	34.183
Commercial regasification	23.077

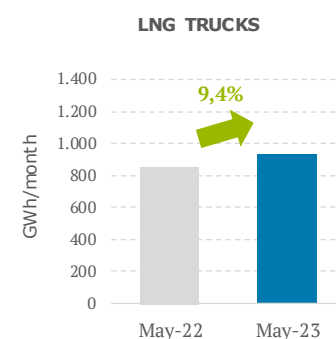
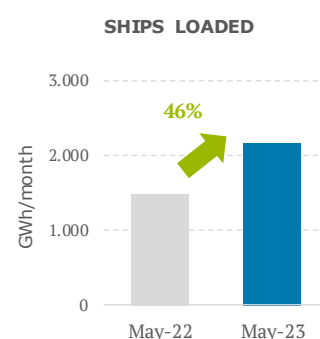
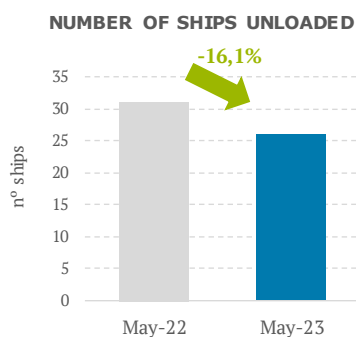
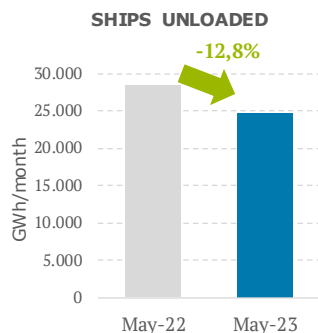


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# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	May-2023	May-2022	%Δ s/2022	May-2023	May-2022	%Δ s/2022	May-2023	May-2022	%Δ s/2022	May-2023	May-2022	%Δ s/2022
BARCELONA	877	5.412	-83,8%	1	6	-83,3%	132	225	-41,4%	202	186	8,6%
HUELVA	7.063	4.704	50,1%	7	6	16,7%	60	0	>100%	184	178	3,5%
CARTAGENA	4.478	7.410	-39,6%	6	7	-14,3%	958	2	>100%	159	184	-13,8%
BILBAO	5.107	5.362	-4,8%	5	5	0,0%	609	22	>100%	118	76	54,2%
SAGUNTO	3.963	3.783	4,8%	4	4	0,0%	0	281	-100,0%	158	142	11,2%
MUGARDOS	3.287	1.752	87,6%	3	3	0,0%	408	961	-57,5%	111	85	30,8%
<b>Total</b>	<b>24.775</b>	<b>28.424</b>	<b>-12,8%</b>	<b>26</b>	<b>31</b>	<b>-16,1%</b>	<b>2.168</b>	<b>1.490</b>	<b>46%</b>	<b>932</b>	<b>852</b>	<b>9,4%</b>

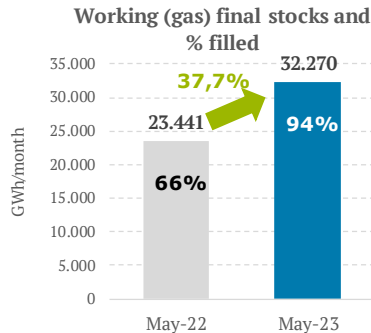
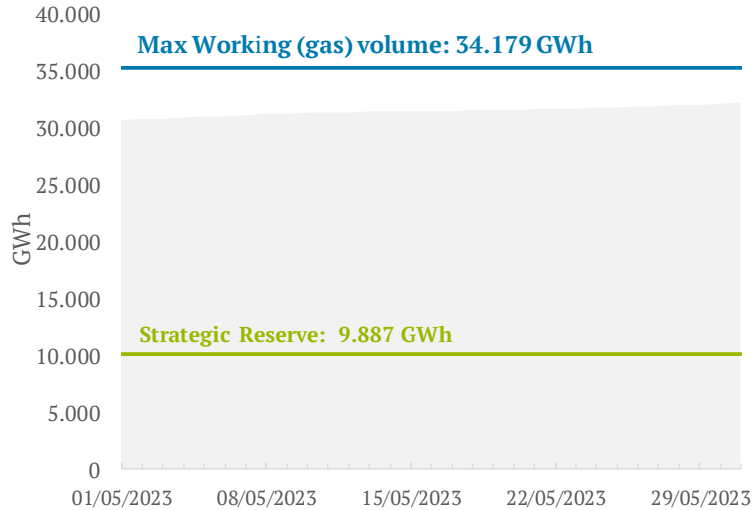




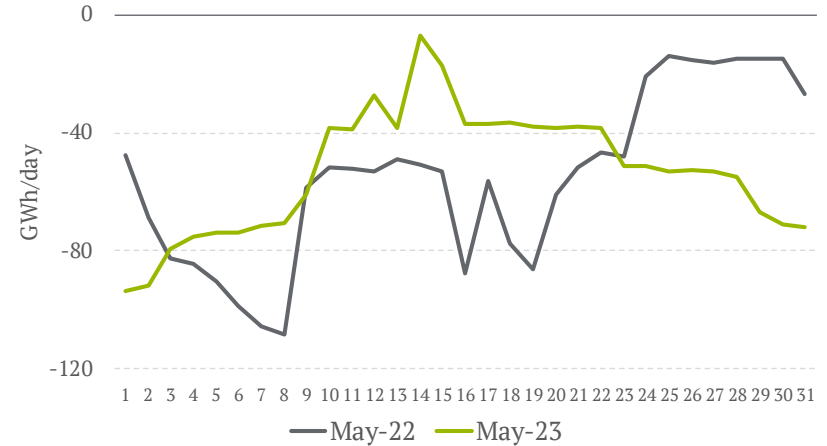
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# 6. UGS activity

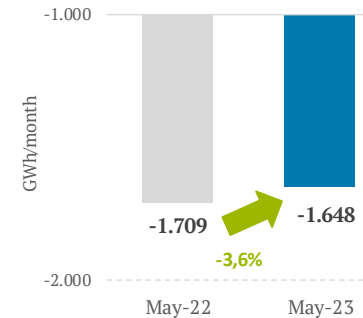
## Working gas evolution



## 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 **April 2023**, one continuation to previous Operation note have been published.
  - ❖ Operation note n°3: exceptional operating situation – zero level– unavailability of Euskadour compressor station.

## Relevant facts:

- ❑ On Saturday 13 May, Spain reached a historic record in the export of natural gas by pipeline to France through the VIP Pirineos, registering a flow of 261.5 GWh/day. 98.7% of its maximum export capacity.



