

# Statistical bulletin

April 2023

**PRELIMINARY**

Technical Management of the System

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

May-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

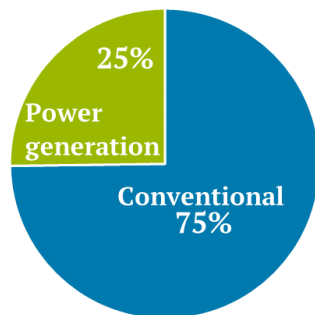
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

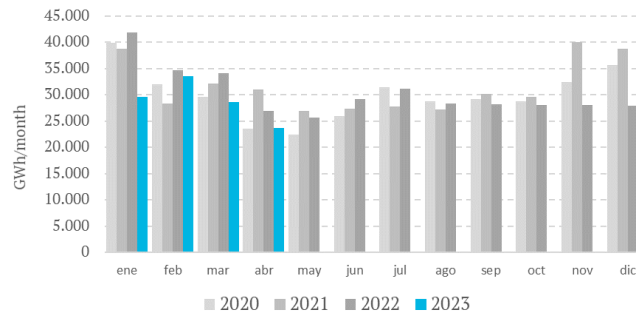
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Apr-2023	%Δ s/2022	Jan-Apr 2023	%Δ s/2022	MAT: May 2022-Apr 2023	%Δ MAT vs 2022
<b>National Market demand</b>	<b>23.728</b>	<b>-11,9%</b>	<b>115.615</b>	<b>-16,1%</b>	<b>342.238</b>	<b>-6,1%</b>
Conventional	17.747	-13,5%	88.438	-13,8%	212.187	-6,3%
Power generation	5.982	-6,7%	27.177	-22,7%	130.051	-5,8%
<b>International Market demand</b>	<b>9.420</b>	<b>20,3%</b>	<b>30.074</b>	<b>&gt;100%</b>	<b>80.135</b>	<b>17,9%</b>
International conexions exports	7.830	35,2%	20.789	73,2%	51.912	20,4%
LNG Vessel loading	1.589	-21,9%	9.286	56,6%	28.223	13,5%
<b>TOTAL</b>	<b>33.148</b>	<b>-4,6%</b>	<b>145.689</b>	<b>-6,4%</b>	<b>422.373</b>	<b>-2,3%</b>

National market demand April 2023

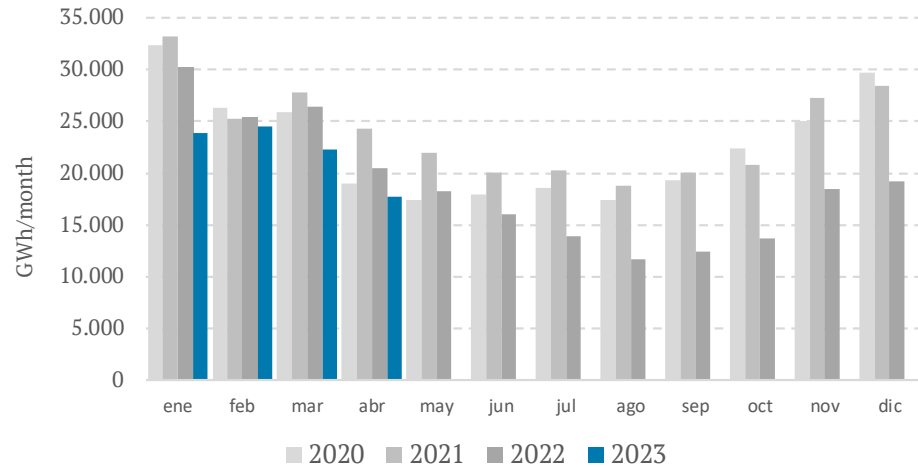


Total Demand

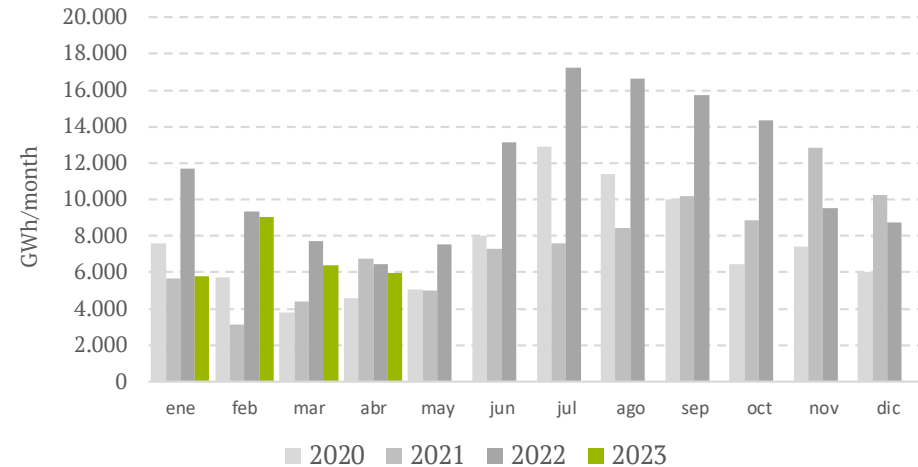


# 1. Evolution of gas demand

## Final Demand



## Demand for Power generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**-13,5%** 

Lower than the previous year

Temperatures

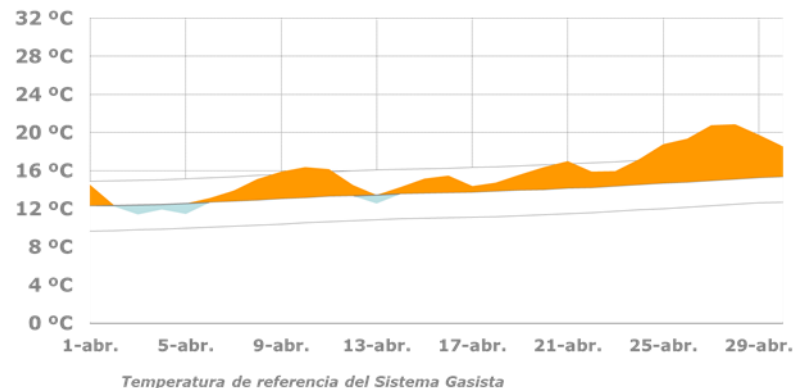


**+2,9°C** 

Higher than the previous year

Demand	Conventional demand		Accumulated		MAT	
	Apr 2023 (*)		Jan-Apr 2023		May22-Apr23	
	GWh	%23 s/22	GWh	%23 s/22	GWh	% TAM s/22
Calendar	17.747	-13,5%	88.438	-13,8%	212.187	-6,3%
Temperature		0,0%		0,2%		0,2%
Amended demand		-12,3%		-5,4%		-2,4%
		-1,2%		-8,7%		-4,0%

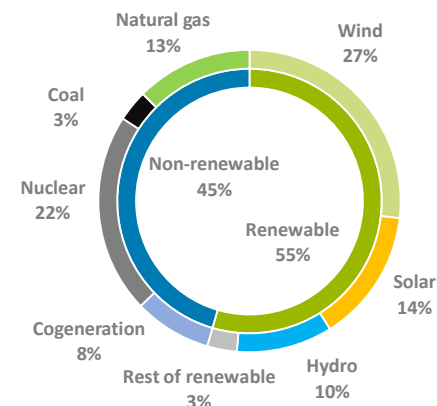
\* The sum of the correction factors is equal to % of total demand



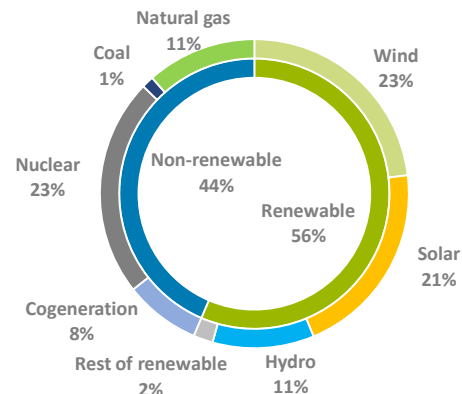
# 1.2 Power generation– electricity generation mix

TWh (e)	2022 April 1 <sup>st</sup> to 30 <sup>th</sup>	2023 April 1 <sup>st</sup> to 30 <sup>th</sup>	Δ 2023 vs 2022
<b>Power generation</b>	<b>18,4</b>	<b>16,5</b>	<b>-1,9</b>
<b>Wind</b>	<b>5,5</b>	<b>4,6</b>	<b>-0,9</b>
use of installed capacity [GW]	28,5	29,5	1,1
% utilization of total installed	26%	21%	
<b>Solar</b>	<b>2,9</b>	<b>4,1</b>	<b>1,2</b>
use of installed capacity [GW]	18,3	22,2	3,9
% utilization of total installed	22%	25%	
<b>Hydro</b>	<b>2,1</b>	<b>2,1</b>	<b>0,0</b>
<b>Rest of renewable</b>	<b>0,7</b>	<b>0,4</b>	<b>-0,2</b>
<b>Cogeneration</b>	<b>1,7</b>	<b>1,6</b>	<b>-0,1</b>
<b>Nuclear</b>	<b>4,4</b>	<b>4,6</b>	<b>0,2</b>
<b>Coal</b>	<b>0,7</b>	<b>0,3</b>	<b>-0,4</b>
<b>Natural gas</b>	<b>2,6</b>	<b>2,3</b>	<b>-0,3</b>
<b>International exchanges</b>	<b>-1,6</b> export	<b>-2,4</b> export	<b>-0,8</b>

**2022**  
**Gas demand for**  
**Power Generation**  
**6,4 TWh (g)**



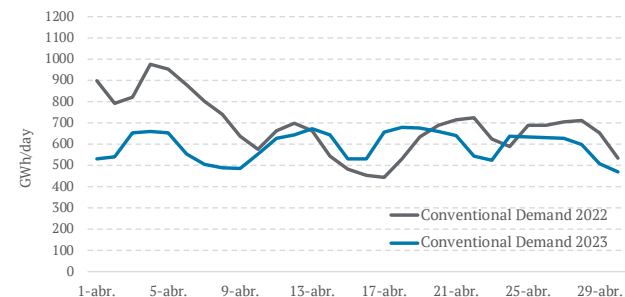
**2023**  
**Gas demand for**  
**Power Generation**  
**6,0 TWh (g)**



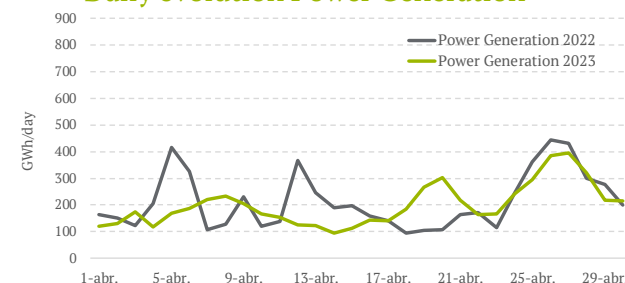
# 1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Apr-2023	%Δ vs Apr 2022	Apr-2023	%Δ vs Apr 2022	Apr-2023	%Δ vs Apr 2022
Andalucía	2.301	0,2%	1.165	18,6%	165	-12,8%
Aragón	954	-12,9%	64	-71,2%	44	0,7%
Asturias	441	-22,2%	338	-1,1%	20	5,2%
Baleares	98	-12,4%	606	-26,4%	7	-15,1%
Cantabria	311	-17,0%	0	0,0%	4	24,0%
Castilla - La Mancha	892	4,3%	173	-31,3%	44	-35,7%
Castilla y León	1.280	-20,2%	0	0,0%	50	-8,9%
Cataluña	3.032	-19,2%	707	-19,1%	120	-22,1%
Comunidad Valenciana	2.105	-6,0%	682	60,7%	90	-1,5%
Extremadura	127	-21,9%	0	0,0%	18	-26,3%
Galicia	822	-14,0%	667	24,1%	51	13,1%
La Rioja	152	-25,9%	122	-6,4%	4	-14,7%
Madrid	1.189	-48,3%	0	0,0%	144	438,7%
Murcia	1.235	45,1%	751	-15,5%	43	-11,9%
Navarra	458	-9,0%	237	8,4%	13	-7,8%
País Vasco	1.460	-18,3%	456	-35,9%	36	108,1%

### Daily evolution Conventional Demand



### Daily evolution Power Generation



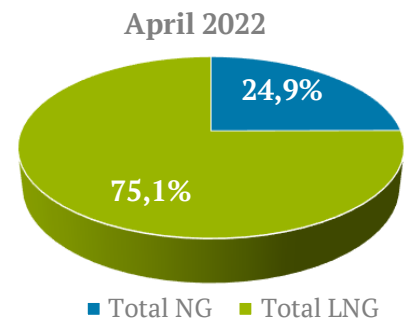
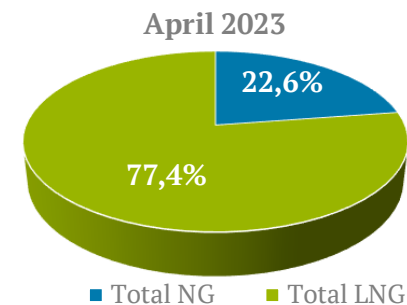


1. Evolution of gas demand
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  3. CCAA
2. **Demand coverage**
  1. **Origin of supplies**
  2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other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

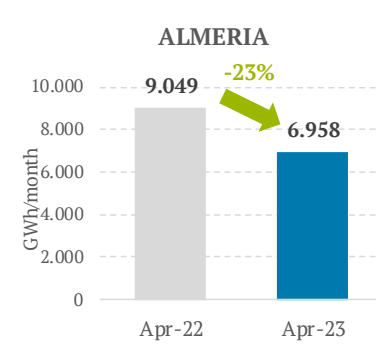
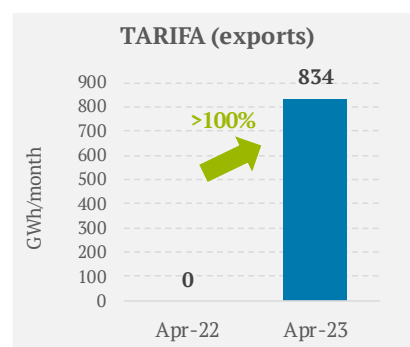
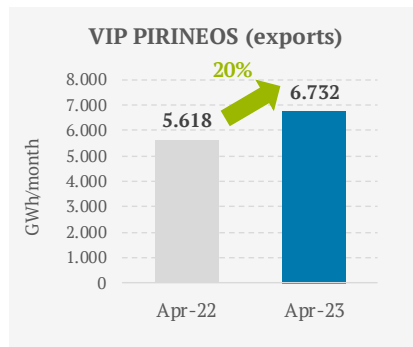
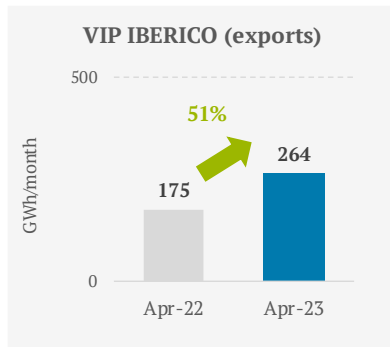
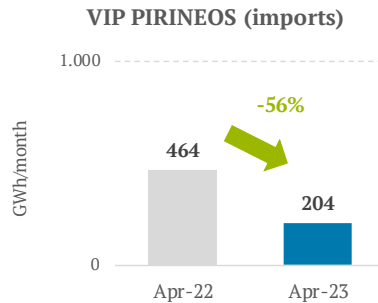
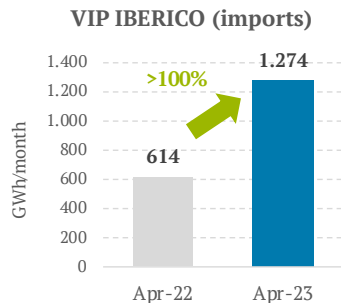


## 2.1 Demand coverage: Origin of supplies

Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)		
		Apr-2023	% s TOTAL	Apr-2022	Jan-Apr 2023	% s TOTAL	MAT: May 2022-Apr 2023	% s TOTAL
Algeria	NG	6.958	23,8%	9.049	29.512	24,2%	93.127	23,4%
	LNG	1.952		496	4.878		8.357	
France	NG	204	0,5%	464	5.089	3,6%	21.705	5,2%
	LNG	0		0	0		1.068	
Angola	LNG	1.027	2,7%	0	1.027	0,7%	4.130	1,0%
Cameroon	LNG	1.098	2,9%	1.127	2.206	1,6%	4.258	1,0%
United States	LNG	8.664	23,2%	12.539	34.041	24,1%	109.428	25,2%
Equatorial Guinea	LNG	0	0,0%	924	1.891	1,3%	4.979	1,1%
Nigeria	LNG	4.841	12,9%	6.891	20.485	14,5%	59.529	13,7%
Peru	LNG	0	0,0%	0	0	0,0%	1.920	0,4%
Qatar	LNG	877	2,3%	1.787	5.336	3,8%	16.267	3,7%
Russia	LNG	6.513	17,4%	3.278	23.810	16,8%	66.761	15,4%
Trinidad	LNG	0	0,0%	0	2.402	1,7%	12.134	2,8%
Oman	LNG	1.940	5,2%	960	2.902	2,1%	5.794	1,3%
Belgium	LNG	0	0,0%	0	0	0,0%	1.094	0,3%
Egypt	LNG	1.113	3,0%	2.452	2.754	1,9%	12.603	2,9%
Portugal	NG	1.274	3,4%	614	3.195	2,3%	5.709	1,3%
Australia	NG	0	0,0%	0	70	0,0%	70	0,0%
South Korea	NG	0	0,0%	167	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	8	0,0%	32	90	0,1%	311	0,1%
National Biogas	NG	16	0,0%	9	53	0,0%	153	0,0%
<b>TOTAL</b>		<b>37.397</b>	<b>100%</b>	<b>40.789</b>	<b>141.404</b>	<b>100%</b>	<b>433.828</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	
	Apr-2023	Apr-2022	%Δ s/2022	Jan-Apr 2023	%Δ s/2022	MAT: May 2022-Apr 2023	%Δ MAT vs 2022
Tarifa	-834	0	>100%	-2.870	<-100%	-4.752	>100%
Almería	6.958	9.049	-23,1%	29.312	-21,1%	93.127	-7,8%
VIP Ibérico	1.009	438	>100%	139	-91,1%	-2.616	>100%
VIP Pirineos	-6.528	-5.154	26,7%	-9.773	51,1%	-17.130	23,9%
National Deposits	8	32	-76,3%	83	-26,9%	303	-9,1%
Biogas	16	9	77,9%	53	38,7%	153	10,6%
<b>Total</b>	<b>628</b>	<b>4.374</b>	<b>-85,6%</b>	<b>16.943</b>	<b>-47,7%</b>	<b>69.085</b>	<b>-18,3%</b>

+ Transport network input

- Transport network output

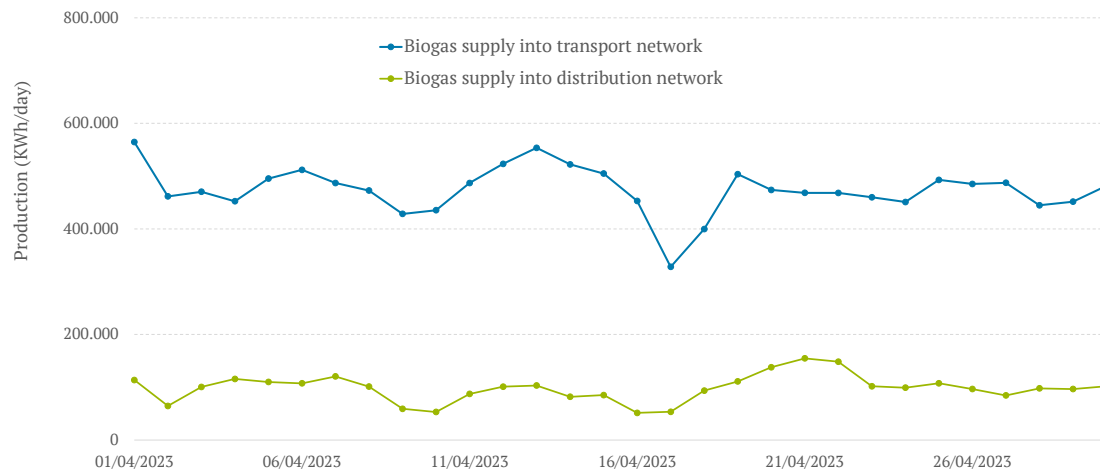


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# 3. Renewable gases

## BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Apr-2023	Apr-2023	%Δ s/2022	Jan-Apr 2023	%Δ s/2022	MAT: May 2022-Apr 2023	%Δ s/2022
BIOGAS injected into transport network	15,7	8,8	77,9%	52,7	38,7%	152,7	10,6%
BIOGAS injected into distribution network	2,9	2,3	30,2%	11,2	-12,3%	36,1	-4,2%
<b>Total</b>	<b>18,6</b>	<b>11,1</b>	<b>68,1%</b>	<b>63,9</b>	<b>25,8%</b>	<b>188,8</b>	<b>7,5%</b>



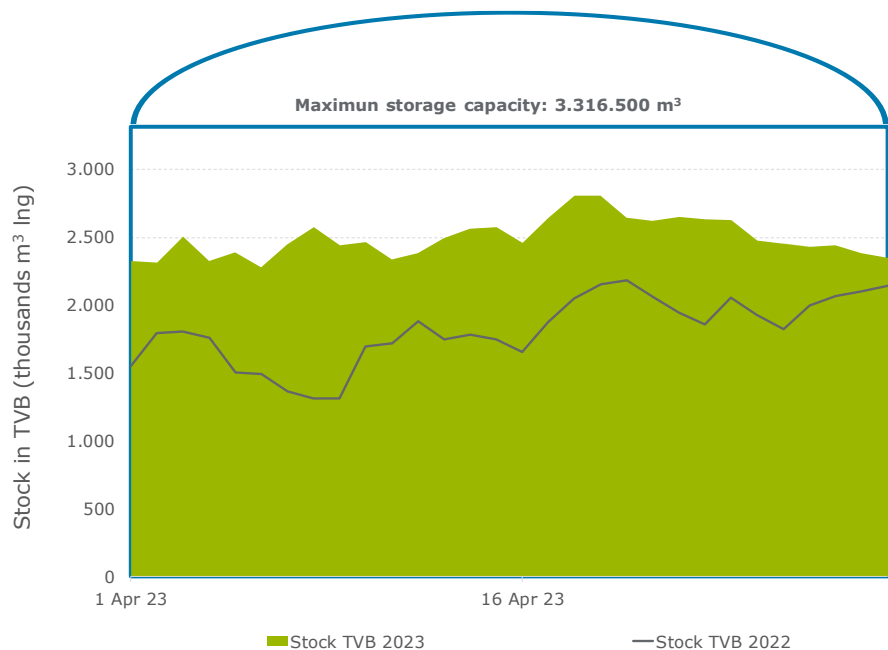
(\*) Table: Allocation data from the SL-ATR



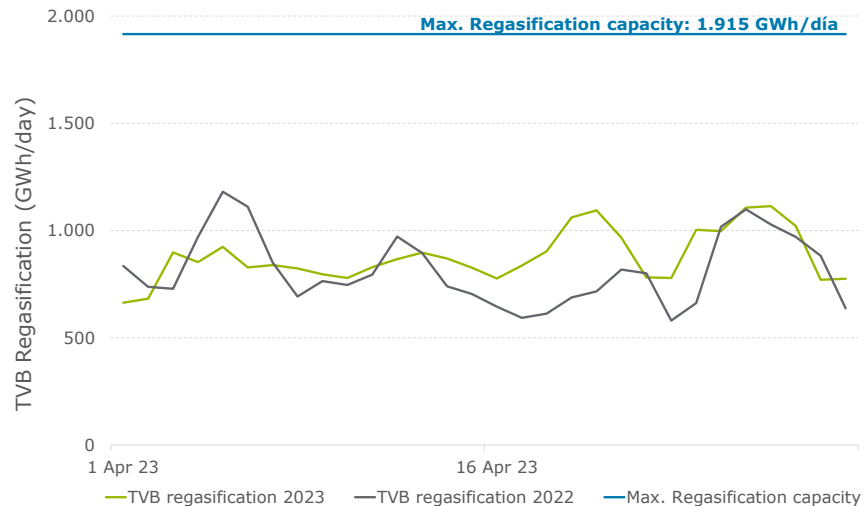
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# 4. TVB activity

## TVB stock evolution



## Regasification in TVB



### April 2023

GWh/month

Total regasification capacity	57.450
Contracted regasification capacity	27.385
Available regasification capacity	30.065
Commercial regasification	25.458

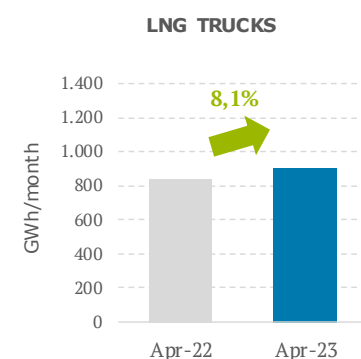
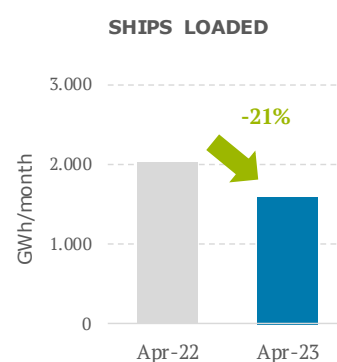
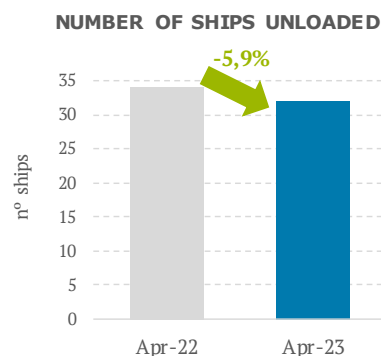
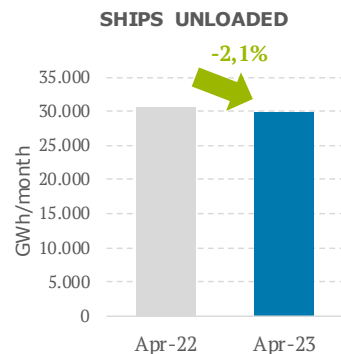


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# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Apr-2023	Apr-2022	%Δ s/2022	Apr-2023	Apr-2022	%Δ s/2022	Apr-2023	Apr-2022	%Δ s/2022	Apr-2023	Apr-2022	%Δ s/2022
BARCELONA	4.771	4.460	7,0%	5	5	0,0%	987	97	>100%	219	189	15,8%
HUELVA	6.273	4.685	33,9%	7	5	40,0%	0	1.936	-100,0%	169	172	-1,8%
CARTAGENA	5.616	6.217	-9,7%	6	8	-25,0%	0	3	-100,0%	154	173	-11,2%
BILBAO	6.789	6.466	5,0%	7	7	0,0%	0	0	>100%	110	68	61,2%
SAGUNTO	3.368	5.666	-40,6%	4	6	-33,3%	453	0	>100%	147	147	-0,4%
MUGARDOS	3.158	3.127	1,0%	3	3	0,0%	161	0	>100%	102	83	22,9%
<b>Total</b>	<b>29.975</b>	<b>30.622</b>	<b>-2,1%</b>	<b>32</b>	<b>34</b>	<b>-5,9%</b>	<b>1.601</b>	<b>2.035</b>	<b>-21%</b>	<b>901</b>	<b>833</b>	<b>8,1%</b>

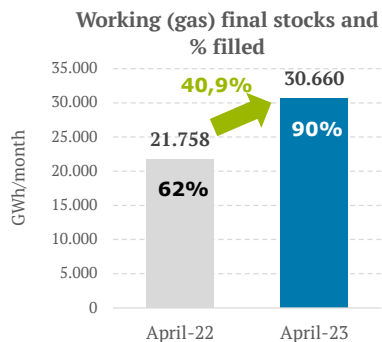
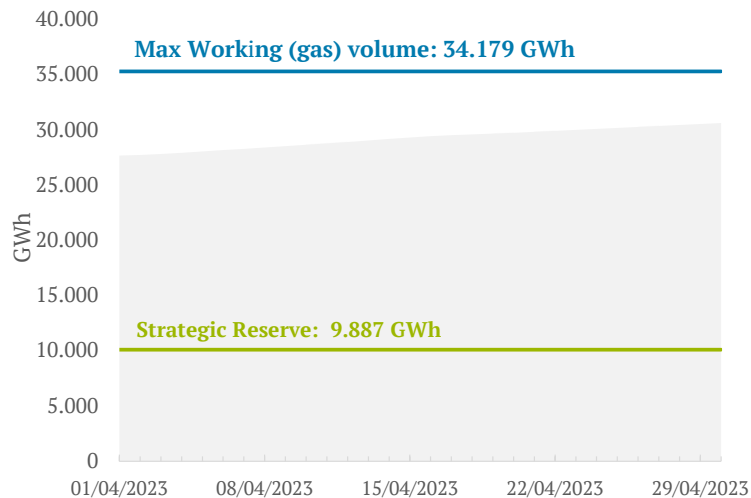




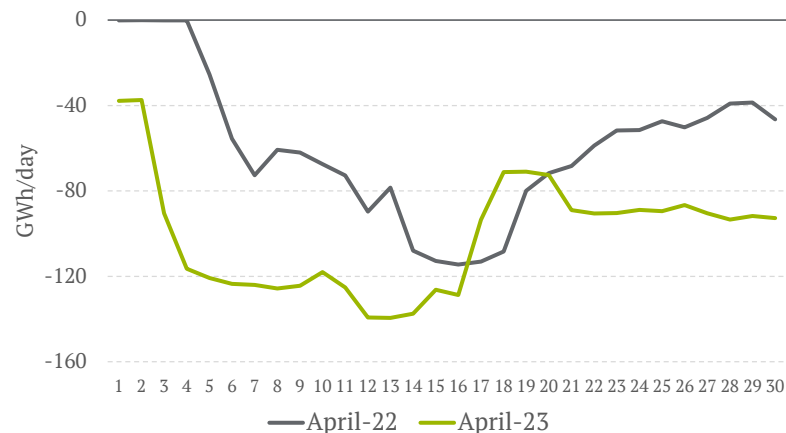
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# 6. UGS activity

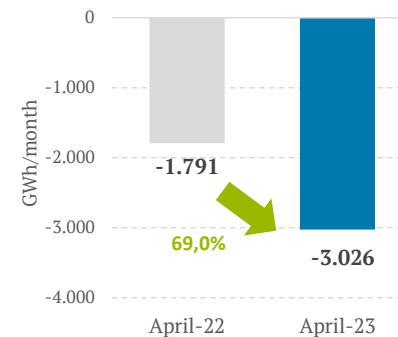
## Working gas evolution



## 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:

- ❑ No relevant fact has been published this month



