

# Statistical bulletin

April 2024

**PRELIMINARY**

Technical Management of the System

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May-24





## 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

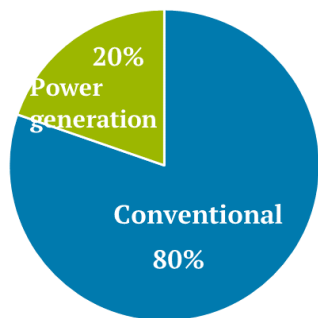
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

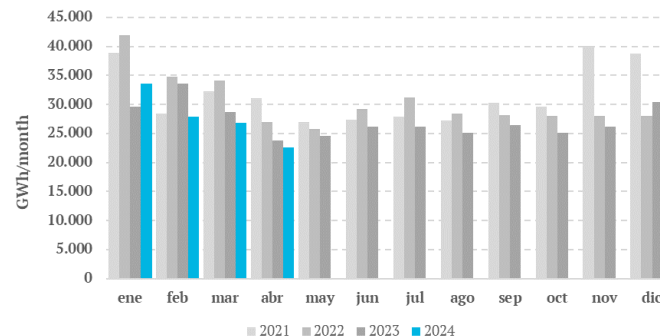
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Apr-2024	%Δ s/2023	Jan-Apr 2024	%Δ s/2023	MAT: May 2023-Apr 2024	%Δ MAT vs 2023
<b>National Market demand</b>	<b>22,557</b>	<b>-4.9%</b>	<b>110,797</b>	<b>-4.2%</b>	<b>320,736</b>	<b>-1.5%</b>
Conventional	18,110	2.0%	90,249	2.0%	231,638	0.8%
Power generation	4,447	-25.6%	20,548	-24.4%	89,098	-6.9%
<b>International Market demand</b>	<b>2,533</b>	<b>-73.1%</b>	<b>11,319</b>	<b>-62.4%</b>	<b>56,506</b>	<b>-24.9%</b>
International connections exports	2,080	-73.4%	8,302	-60.1%	40,839	-23.4%
LNG Vessel loading	453	-71.5%	3,017	-67.5%	15,667	-28.6%
<b>TOTAL</b>	<b>25,090</b>	<b>-24.3%</b>	<b>122,116</b>	<b>-16.2%</b>	<b>377,242</b>	<b>-5.9%</b>

National market demand April 2024

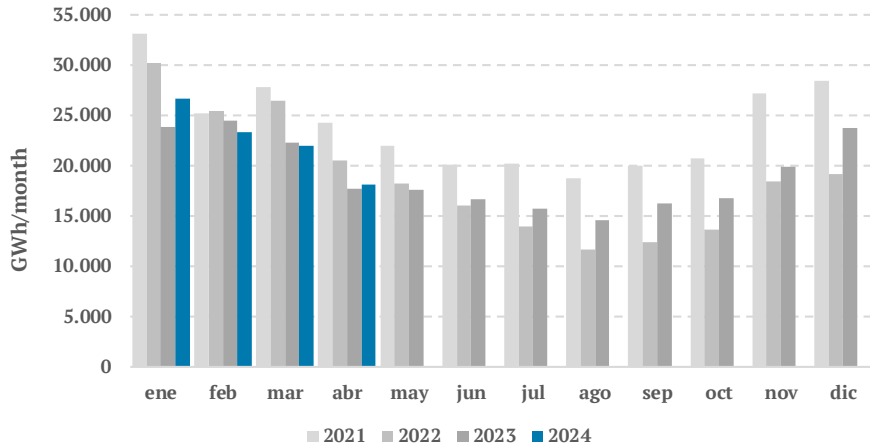


Total Demand

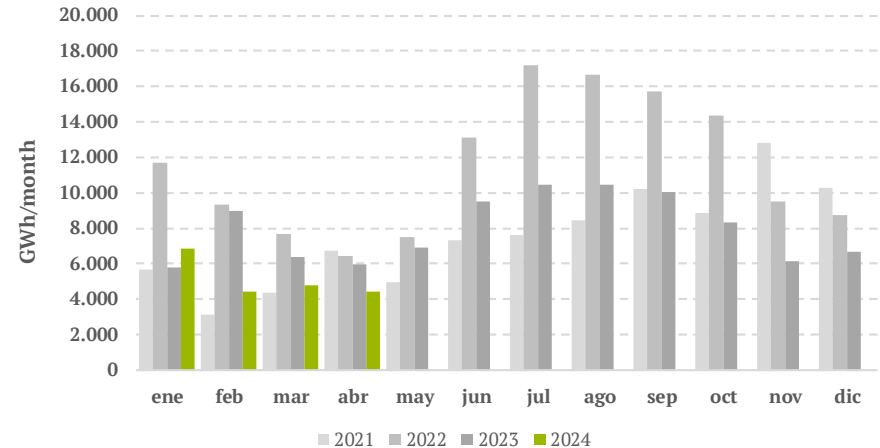


# 1. Evolution of gas demand

### Final Demand



### Demand for Power generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**+2.0%**

greater than the previous year

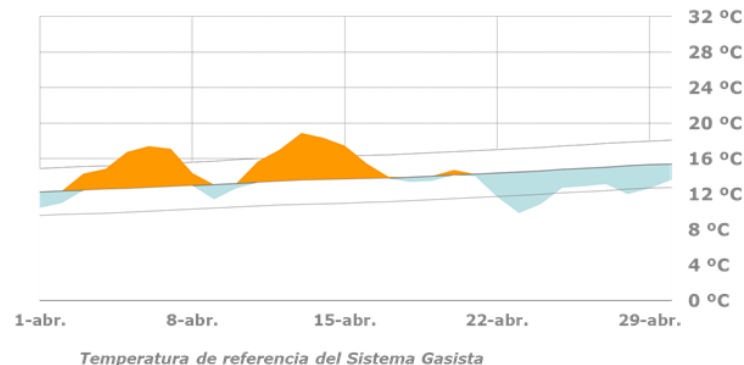
Temperatures



**-1.6°C**

less than the previous year

Demand	Conventional demand		Accumulated		MAT	
	April 2024 (*)		April 2024		Aprli24-May23	
	GWh	%24 s/23	GWh	%24 s/23	GWh	% MAT s/23
	18,110	2.0%	90,249	2.0%	231,638	0.8%
Calendar		10.7%		0.7%		0.4%
Temperature		5.4%		-1.7%		-0.6%
Amended demand		-14.1%		3.1%		1.0%

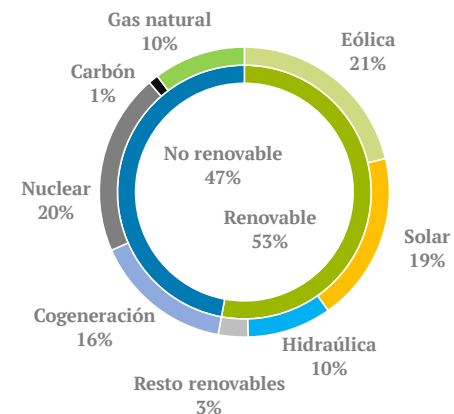


\* The sum of the correction factors is equal to % of total demand

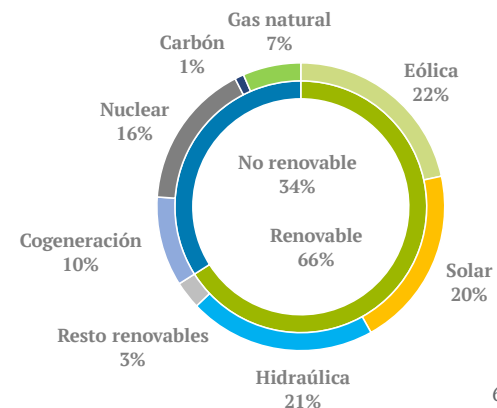
# 1.2 Power generation– electricity generation mix

TWh (e)	2023 April 1 <sup>st</sup> to 30 <sup>st</sup>	2024 April 1 <sup>st</sup> to 30 <sup>st</sup>	Δ 2024 vs 2023	% Δ 2024 vs 2023
<b>Power generation</b>	<b>16,5</b>	<b>17,8</b>	<b>1,2</b>	<b>7,5%</b>
<b>Wind</b>	<b>4,8</b>	<b>4,6</b>	<b>-0,2</b>	<b>-3,8%</b>
use of installed capacity [GW]	29,7	30,3	0,6	2,0%
% utilization of total installed	23%	21%		
<b>Solar</b>	<b>4,3</b>	<b>4,4</b>	<b>0,1</b>	<b>1,8%</b>
use of installed capacity [GW]	23,5	27,9	4,4	18,7%
% utilization of total installed	25%	22%		
<b>Hydro</b>	<b>2,1</b>	<b>4,5</b>	<b>2,4</b>	<b>112,6%</b>
<b>Rest of renewable</b>	<b>0,7</b>	<b>0,7</b>	<b>-0,1</b>	<b>-10,5%</b>
<b>Cogeneration</b>	<b>3,5</b>	<b>2,2</b>	<b>-1,4</b>	<b>-38,5%</b>
<b>Nuclear</b>	<b>4,6</b>	<b>3,5</b>	<b>-1,1</b>	<b>-23,0%</b>
<b>Coal</b>	<b>0,3</b>	<b>0,2</b>	<b>0,0</b>	<b>-14,6%</b>
<b>Natural gas</b>	<b>2,3</b>	<b>1,4</b>	<b>-0,9</b>	<b>-39,6%</b>
<b>International exchanges</b>	<b>-2,4</b>	<b>-1,2</b>	<b>1,2</b>	<b>-49,8%</b>
exportacion	exportacion	exportacion		
France	-0,9	-0,9	0,0	
Portugal	-1,4	0,0	1,4	
Morocco	-0,1	-0,3	-0,16	

**2023**  
Gas demand for Power  
Generation  
**6.4 TWh (g)**



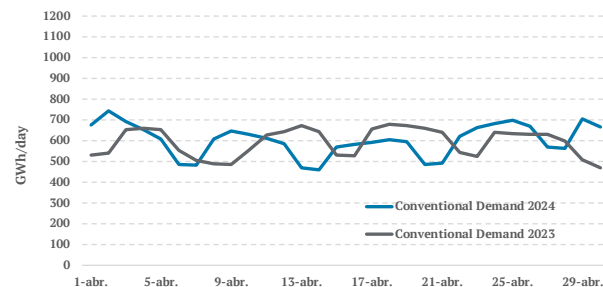
**2024**  
Gas demand for Power  
Generation  
**4.8 TWh (g)**



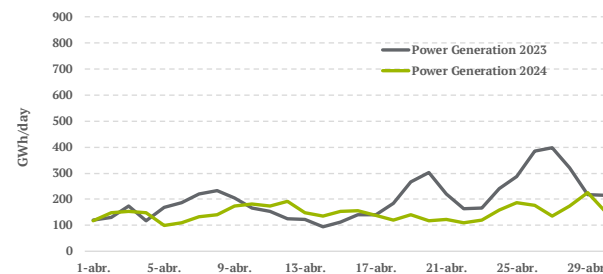
# 1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	April-2024	%Δ vs April 2023	April-2024	%Δ vs April 2023	April-2024	%Δ vs April 2023
Andalucía	1,937	-15.8%	829	-28.9%	196	15.0%
Aragón	845	-11.4%	36	-42.8%	50	11.9%
Asturias	501	13.6%	91	-73.2%	33	64.4%
Baleares	100	1.9%	614	1.3%	9	19.8%
Cantabria	212	-31.8%	0	0.0%	28	8.2%
Castilla - La Mancha	822	-7.8%	231	33.5%	58	27.3%
Castilla y León	1,368	6.9%	0	0.0%	58	12.0%
Cataluña	3,338	10.1%	954	35.0%	114	-9.3%
Comunidad Valenciana	2,046	-2.8%	374	-45.1%	120	30.9%
Extremadura	154	21.6%	0	0.0%	27	4.3%
Galicia	848	3.2%	258	-61.3%	53	5.0%
La Rioja	182	19.8%	45	-63.3%	6	-12.0%
Madrid	1,668	40.2%	0	0.0%	134	55.0%
Murcia	1,193	-3.4%	618	-17.7%	54	15.8%
Navarra	434	-5.1%	38	-84.0%	14	-7.9%
País Vasco	1,456	-0.2%	365	-20.0%	33	-12.4%

## Daily evolution Conventional Demand



## Daily evolution Power Generation



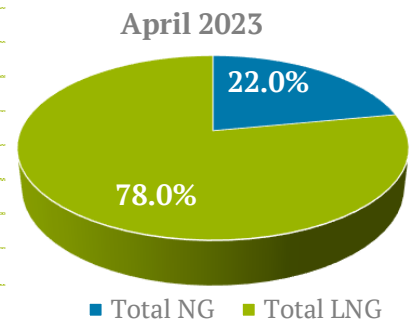
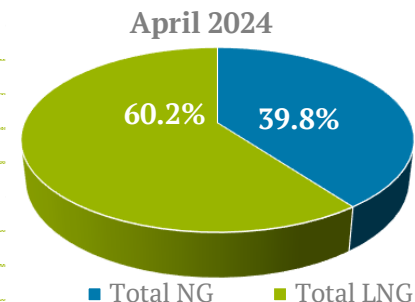


1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. **Demand coverage**
  1. **Origin of supplies**
  2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
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7. Operating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



## 2.1 Demand coverage: Origin of supplies

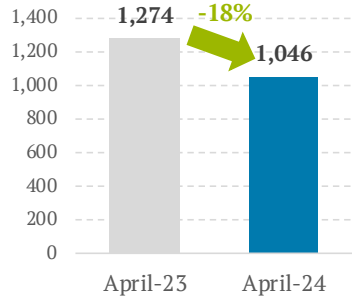
Unit: GWh		Monthly accumulated		Annual accumulated		Moving Annual Total		
		Apr-2024	% s TOTAL	Apr-2023	Jan-Apr 2024	% s TOTAL	MAT: May 2023-Apr 2024	% s TOTAL
Algeria	NG	8,418		6,958	34,217		99,777	
	LNG	3,933	46.1%	2,439	8,935	36.0%	24,959	33.2%
Russia	LNG	5,342	19.9%	6,513	26,854	22.4%	75,734	20.2%
United States	LNG	2,143	8.0%	9,193	24,885	20.8%	74,213	19.8%
Nigeria	LNG	2,682	10.0%	4,841	9,703	8.1%	43,211	11.5%
France	GN	1,166		204	4,471		13,835	
	GNL	0	4.3%	0	0	3.7%	1,089	4.0%
Portugal	GN	1,046	3.9%	1,274	3,187	2.7%	10,050	2.7%
Qatar	LNG	0	0.0%	877	2,623	2.2%	11,455	3.1%
Belgium	LNG	1,106	4.1%	0	2,128	1.8%	2,128	0.6%
Norway	LNG	921	3.4%	933	1,847	1.5%	4,630	1.2%
TVB *	LNG	0	0.0%	0	740	0.6%	740	0.2%
National deposits	LNG	22	0.1%	8	73	0.1%	250	0.1%
National Biomethane	LNG	26	0.1%	19	109	0.1%	289	0.1%
Angola	LNG	0	0.0%	1,027	0	0.0%	2,084	0.6%
Cameroon	LNG	0	0.0%	1,098	0	0.0%	1,103	0.3%
Peru	LNG	0	0.0%	0	0	0.0%	3,865	1.0%
Trinidad	LNG	0	0.0%	0	0	0.0%	4,085	1.1%
Oman	NG	0	0.0%	1,940	0	0.0%	0	0.0%
Egypt	NG	0	0.0%	1,113	0	0.0%	1,721	0.5%
<b>TOTAL</b>		<b>26,804</b>	<b>100%</b>	<b>38,436</b>	<b>119,771</b>	<b>100%</b>	<b>375,217</b>	<b>100%</b>



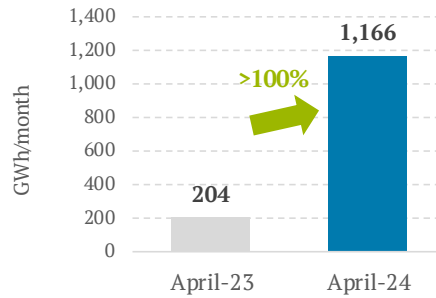
(\* ) unloading from a previous recharge at a Spanish terminal

# 2.1 Demand coverage : Interconnection Points

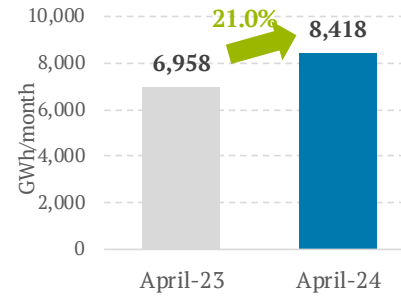
VIP IBERICO (imports)



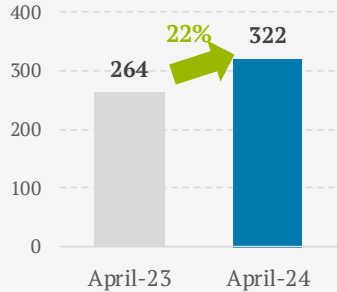
VIP PIRINEOS (imports)



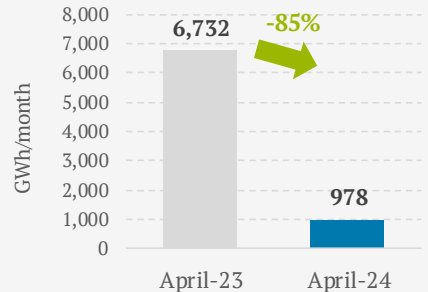
ALMERIA (imports)



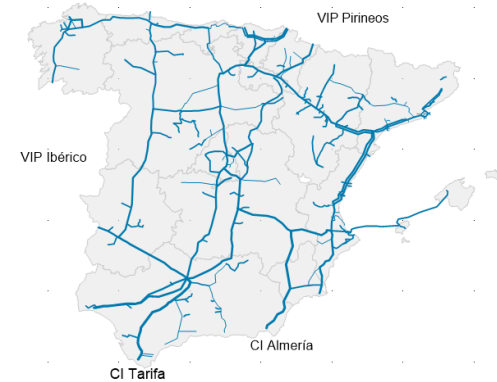
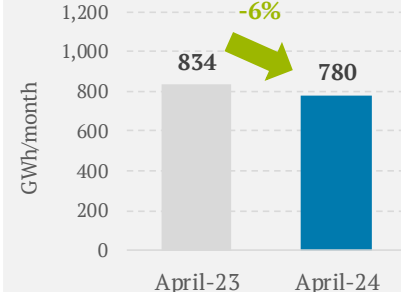
VIP IBERICO (exports)



VIP PIRINEOS (exports)



TARIFA (exports)



(\*) SL-ATR data

## 2.1 Demand coverage : Interconnection Points

### Net balances

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Apr-2024	Apr-2023	%Δ s/2023	Jan-Apr 2024	%Δ s/2023	MAT: May 2023-Apr 2024	%Δ MAT vs 2023
Tarifa	-780	-834	-6.5%	-2,824	-1.6%	-9,425	-0.5%
Almería	8,418	6,958	21.0%	34,217	16.7%	99,747	5.2%
VIP Ibérico	724	1,009	-28.2%	1,249	-80.0%	11,532	-30.3%
VIP Pirineos	187	-6,528	<-100%	931	<-100%	-12,221	-46.7%
National Deposits	22	8	>100%	73	-19.5%	250	-6.6%
Biogas	26	19	41.5%	109	70.0%	289	18.3%
<b>Total</b>	<b>8,598</b>	<b>631</b>	<b>1262.0%</b>	<b>33,754</b>	<b>46.3%</b>	<b>90,171</b>	<b>13.4%</b>

+ Transport network input

- Transport network output

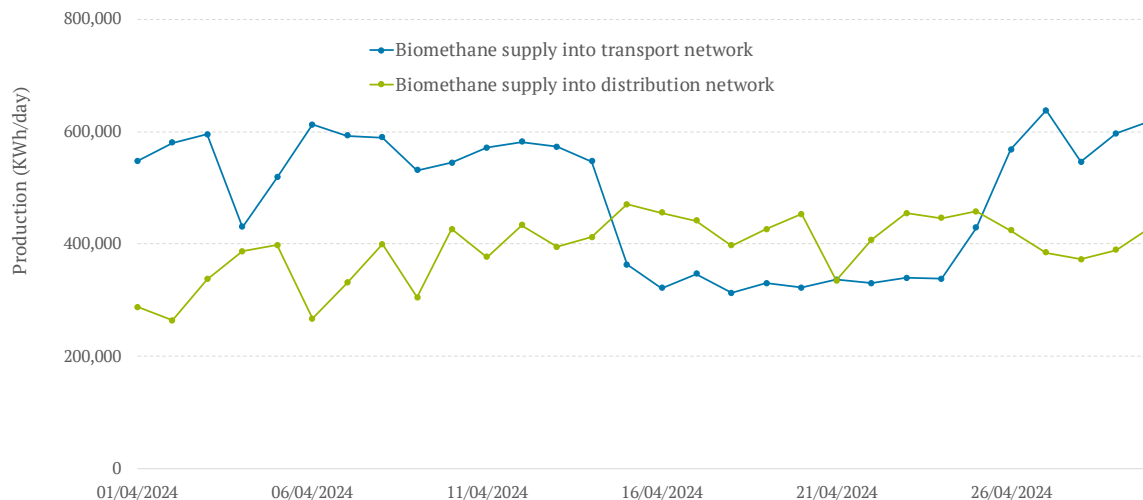


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# 3. Renewable gases

## BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Apr-2024	Apr-2023	%Δ vs 2023	Jan-Apr 2024	%Δ vs 2023	MAT: May 2023-Apr 2024	%Δ vs 2023
Biomethane injected into transport networ	14.5	15.7	-7.1%	64.3	22.1%	182.8	6.8%
Biomethane injected into distribution netw	11.8	2.9	>100%	44.3	>100%	106.0	45.4%
<b>Total</b>	<b>26.3</b>	<b>18.6</b>	<b>41.5%</b>	<b>108.7</b>	<b>70.0%</b>	<b>288.9</b>	<b>18.3%</b>



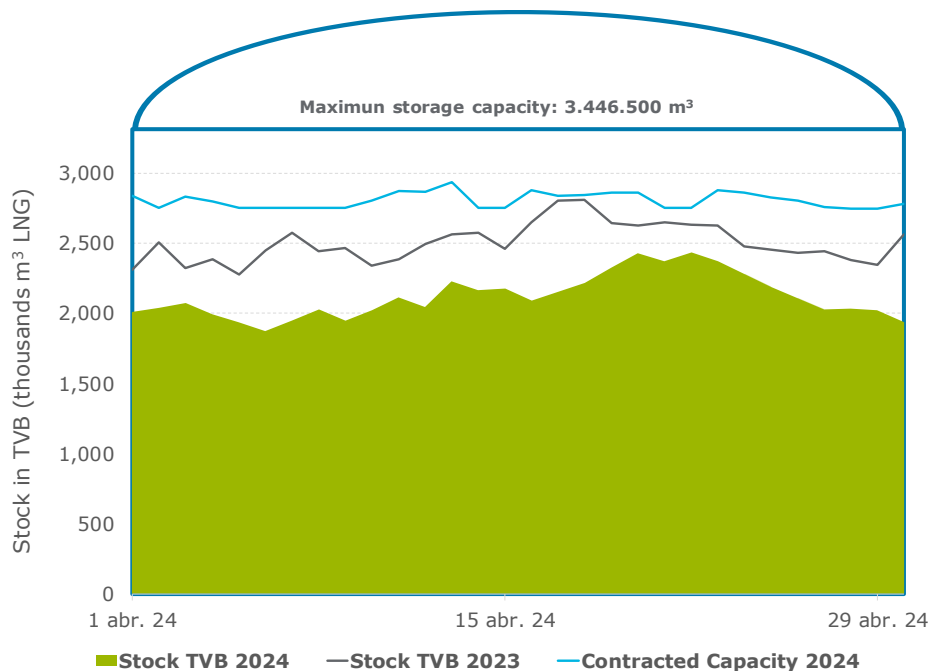
(\*) Table: Allocation data from the SL-ATR



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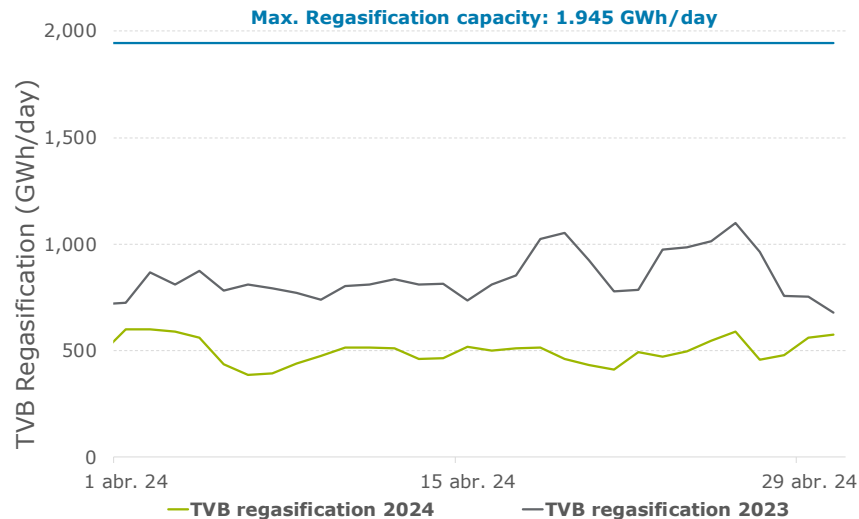
# 4. TVB activity

## TVB stock evolution



In April-24, the average TVB stock represents 76% of the average contracted capacity during that month

## Regasification in TVB



### April 2024

GWh/month

Total regasification capacity	58,350
Contracted regasification capacity	15,586
Available regasification capacity	42,764
Commercial regasification	14,955

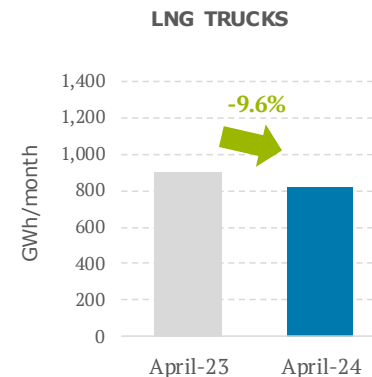
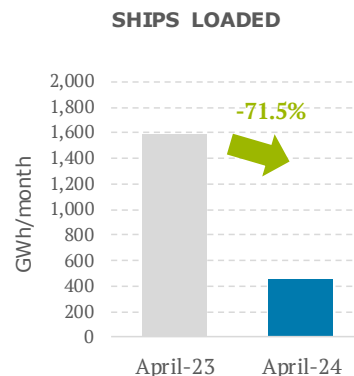
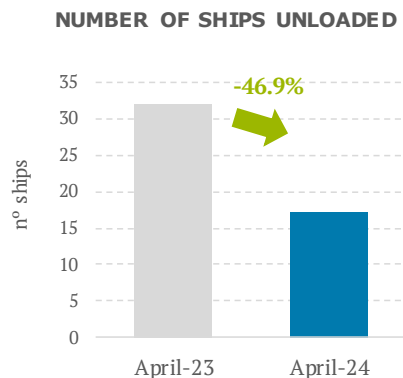
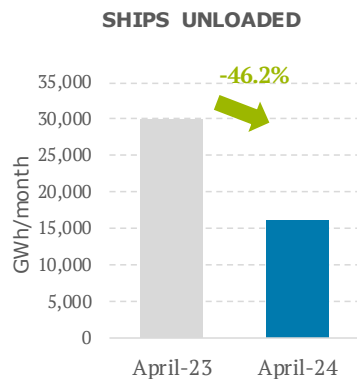


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# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Apr-2023	Apr-2024	%Δ s/2023	Apr-2023	Apr-2024	%Δ s/2023	Apr-2023	Apr-2024	%Δ s/2023	Apr-2023	Apr-2024	%Δ s/2023
BARCELONA	4,771	969	-79.7%	5	1	-80.0%	988	285	-71.2%	219	161	-26.7%
HUELVA	6,273	4,842	-22.8%	7	5	-28.6%	0	7	>100%	169	157	-7.2%
CARTAGENA	5,616	1,984	-64.7%	6	3	-50.0%	0	68	>100%	154	148	-3.4%
BILBAO	6,789	4,083	-39.9%	7	4	-42.9%	0	0	-	110	88	-19.9%
SAGUNTO	3,368	2,076	-38.4%	4	2	-50.0%	453	0	-100.0%	147	152	3.3%
MUGARDOS	3,158	2,173	-31.2%	3	2	-33.3%	149	92	-38.2%	102	65	-36.1%
MUSEL (*)	0	0	-	0	0	-	0	0	-	0	43	>100%
<b>Total</b>	<b>29,975</b>	<b>16,126</b>	<b>-46.2%</b>	<b>32</b>	<b>17</b>	<b>-46.9%</b>	<b>1,591</b>	<b>453</b>	<b>-71.5%</b>	<b>901</b>	<b>815</b>	<b>-9.6%</b>



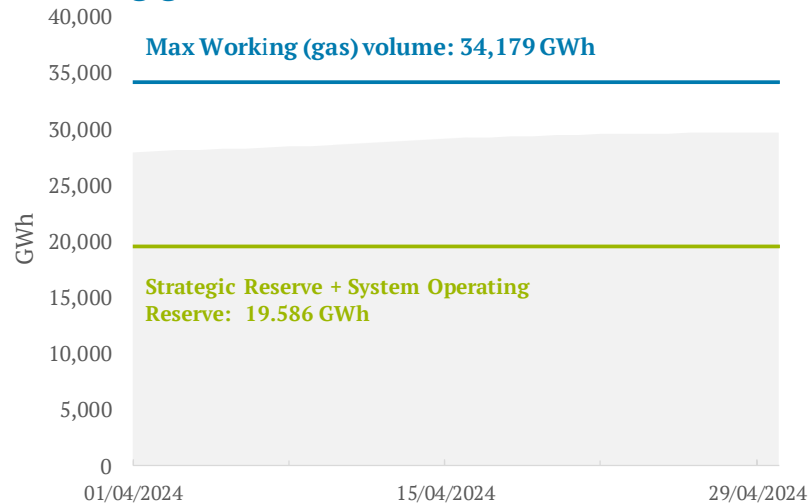
(\*) Unloads at El Musel terminal in order to carry out the commissioning of the terminal.



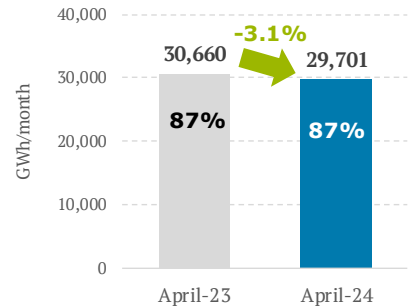
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# 6. UGS activity

## Working gas evolution

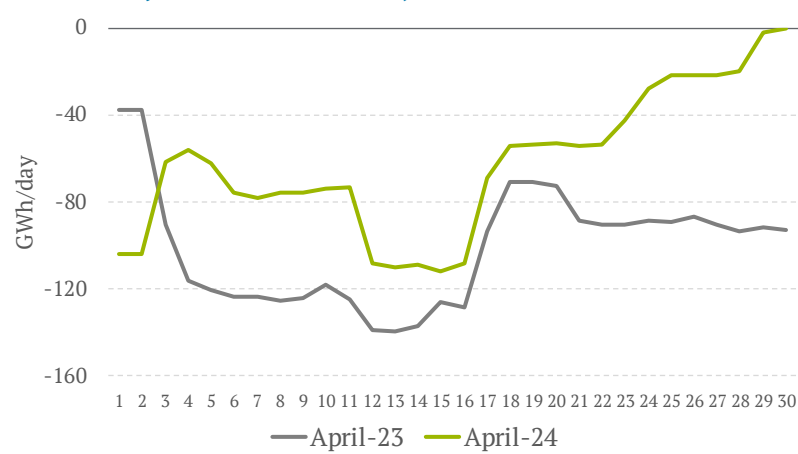


Working (gas) final stocks and % filled

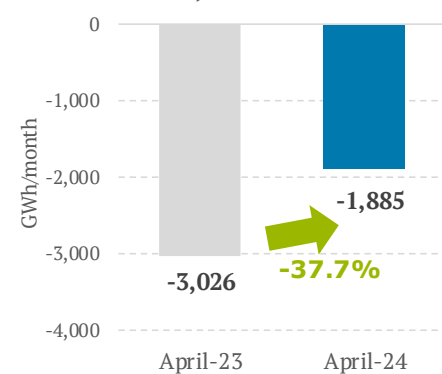


In April-24, stock at AVB represent 83% of the contracted capacity during that month

## Daily withdrawal/injection



Net injection/withdrawal





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7. **Operating notes and other relevant facts**

# 7. Operating notes and other relevant facts

## Operating notes:

- In April 2024, no Operation note has been published.

## Relevant facts:

- No relevant fact has been published this month



