

# Statistical bulletin

September 2024

**PRELIMINARY**

Technical Management of the System

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

October-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

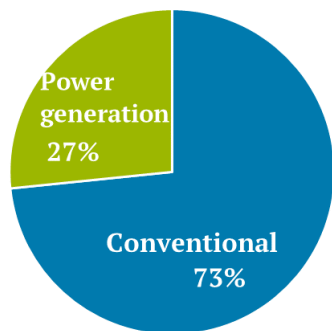
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

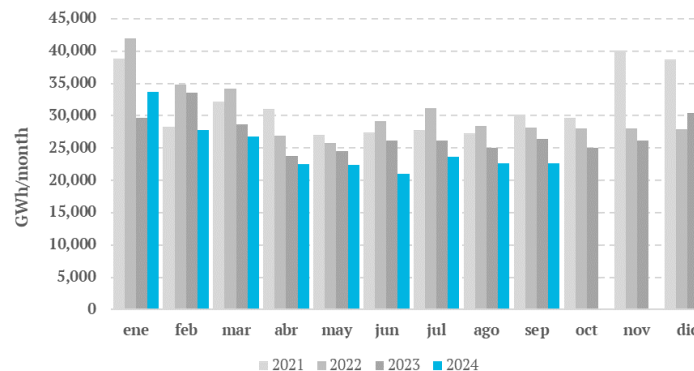
# 1. Evolution of gas demand

Unidad: GWh	Acumulado mensual		Acumulado anual		Total anual móvil	
	Sep-2024	%Δ vs Sep-2023	Ene-Sep 2024	%Δ vs Sep-2023	TAM: Oct 2023 - Sep 2024	%Δ TAM vs 2023
<b>Demanda Mercado nacional</b>	<b>22,664</b>	<b>-14.1%</b>	<b>223,229</b>	<b>-8.5%</b>	<b>304,842</b>	<b>-6.4%</b>
Convencional	16,632	1.9%	173,260	2.3%	233,726	1.7%
Sector eléctrico	6,032	-40.1%	49,969	-33.0%	71,117	-25.7%
<b>Demanda Mercado internacional</b>	<b>2,313</b>	<b>-32.6%</b>	<b>27,816</b>	<b>-51.1%</b>	<b>46,154</b>	<b>-38.7%</b>
Salidas por Conexiones Internacionales	1,644	-41.4%	18,277	-56.3%	29,805	-44.1%
Cargas de buques	668	6.3%	9,540	-36.9%	16,350	-25.5%
<b>TOTAL SALIDAS</b>	<b>24,977</b>	<b>-16.2%</b>	<b>251,045</b>	<b>-16.6%</b>	<b>350,997</b>	<b>-12.4%</b>

National market demand Sep 2024

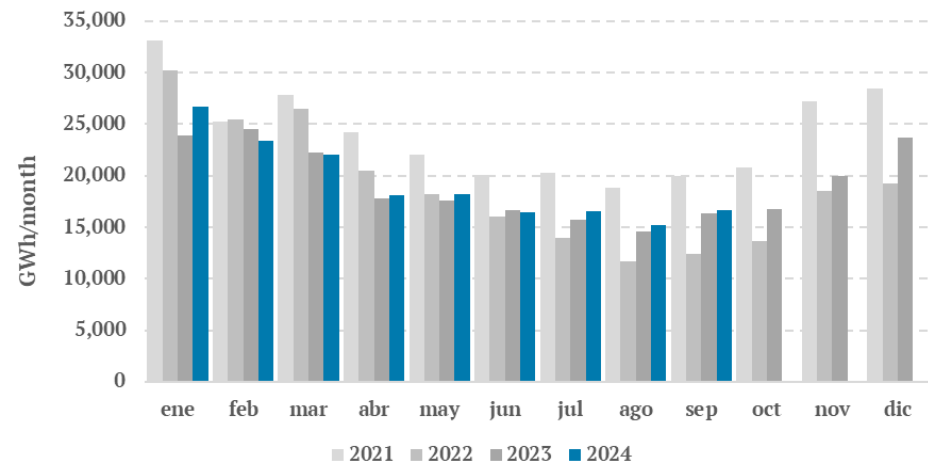


Total Demand

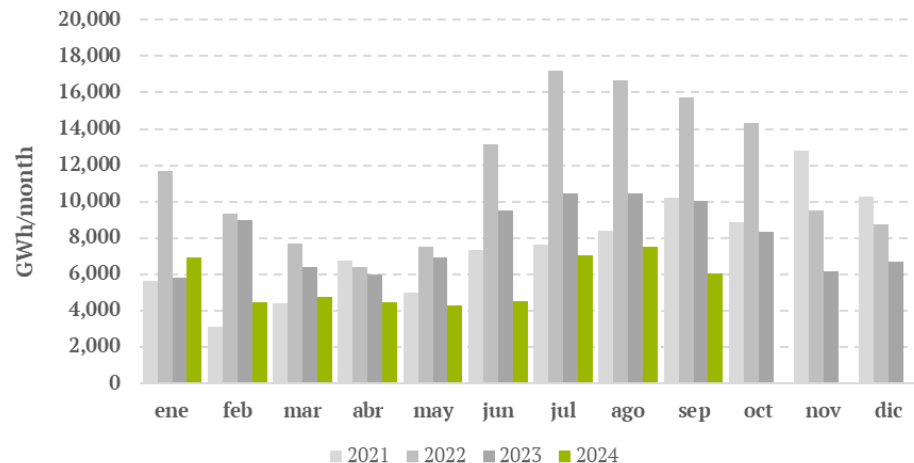


# 1. Evolution of gas demand

## Final Demand



## Demand for Power generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**+1.9%** 

more than the previous year

Temperatures

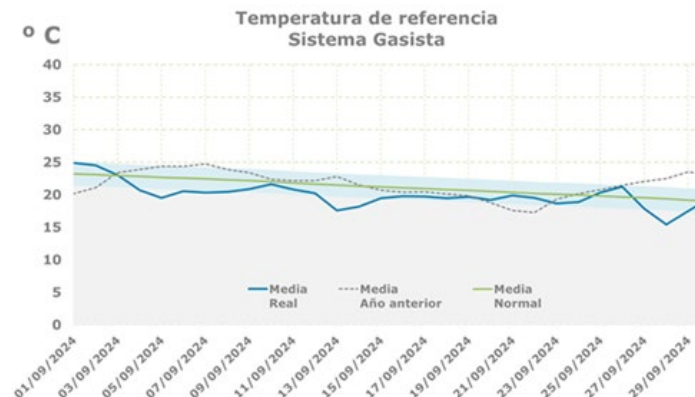


Without temperature effect

Demand	Conventional demand		Accumulated		MAT	
	Sep 2024 (*)		Jan - Sep 2024		Sep24-Oct23	
	GWh	%24 s/23	GWh	%24 s/23	GWh	% MAT s/23
Calendar	16,632	1.9%	173,260	2.3%	233,726	1.7%
Temperature		0.0%		-0.4%		-0.3%
Amended demand		1.9%		2.7%		1.8%

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

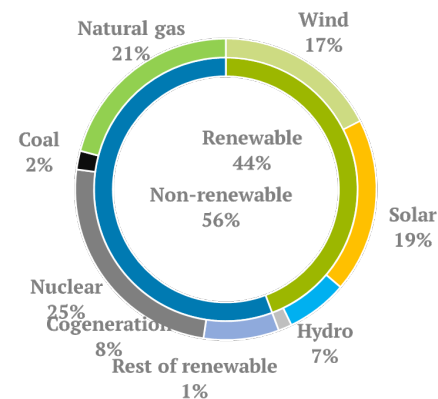
\* Period without significant temperature effects



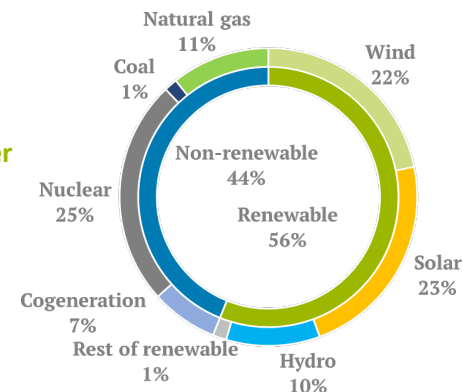
# 1.2 Power generation– electricity generation mix

TWh (e)	2023 Sep 1 <sup>st</sup> to 30th	2024 Sep 1 <sup>st</sup> to 3th	Δ 2024 vs 2023	% Δ 2024 vs 2023
<b>Power generation</b>	<b>18.3</b>	<b>18.6</b>	<b>+0.2</b>	<b>1.4%</b>
<b>Wind</b>	<b>3.5</b>	<b>4.5</b>	<b>+1.0</b>	<b>27.7%</b>
use of installed capacity [GW]	30.5	31.5	+1.0	3.3%
% utilization of total installed	16%	20%		
<b>Solar</b>	<b>3.8</b>	<b>4.7</b>	<b>+0.9</b>	<b>24.3%</b>
use of installed capacity [GW]	26.6	30.9	+4.3	16.2%
% utilization of total installed	20%	21%		
<b>Hydro</b>	<b>1.3</b>	<b>2.1</b>	<b>+0.8</b>	<b>58.6%</b>
<b>Rest of renewable</b>	<b>0.3</b>	<b>0.3</b>	<b>+0.0</b>	<b>5.5%</b>
<b>Cogeneration</b>	<b>1.6</b>	<b>1.5</b>	<b>-0.1</b>	<b>-7.8%</b>
<b>Nuclear</b>	<b>5.0</b>	<b>5.1</b>	<b>-0.1</b>	<b>1.6%</b>
<b>Coal</b>	<b>0.4</b>	<b>0.3</b>	<b>-0.1</b>	<b>-26.7%</b>
<b>Natural gas</b>	<b>4.2</b>	<b>2.2</b>	<b>-2.0</b>	<b>-47.4%</b>
<b>International exchanges</b>	<b>-0.6</b>	<b>-1.1</b>	<b>-0.5</b>	<b>77.6%</b>
	exportacion	exportacion		
France	0.8	0.6	+0.2	
Portugal	-1.3	-1.4	-0.1	
Morocco	-0.2	-0.3	-0.2	

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



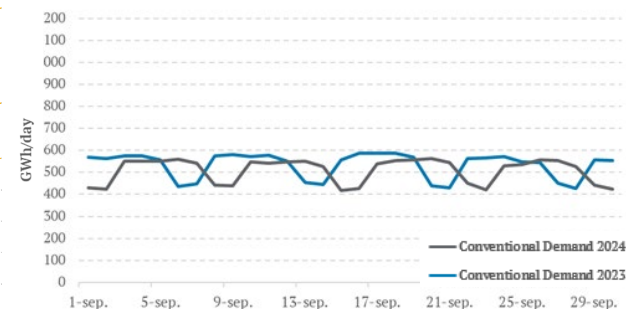
**2024**  
Gas demand for Power  
Generation  
**6.0 TWh (g)**



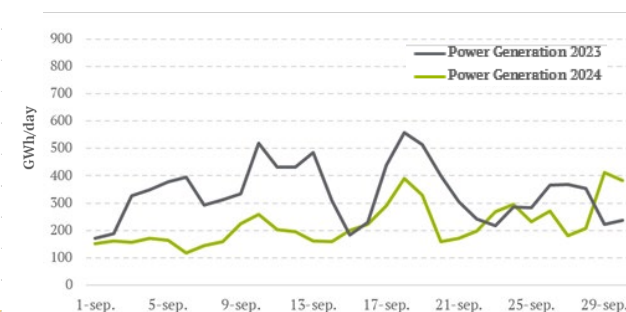
# 1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Sep-2024	%Δ vs Sep 2023	Sep-2024	%Δ vs Sep 2023	Sep-2024	%Δ vs Sep 2023
Andalucía	2,251	-4.1%	1,220	-49.2%	208	6.4%
Aragón	843	-0.6%	139	-78.6%	55	17.5%
Asturias	460	24.1%	202	-65.9%	29	12.6%
Baleares	89	9.1%	710	-17.1%	9	23.1%
Cantabria	170	-22.6%	0	0.0%	26	-5.0%
Castilla - La Mancha	810	-3.0%	216	-12.5%	71	12.9%
Castilla y León	1,048	0.9%	0	0.0%	51	0.5%
Cataluña	2,872	-3.8%	975	-14.5%	94	-23.3%
Comunidad Valenciana	1,843	7.0%	587	-12.2%	94	-7.2%
Extremadura	404	42.0%	0	0.0%	46	35.9%
Galicia	805	5.6%	430	-38.2%	48	7.8%
La Rioja	154	1.1%	171	-41.1%	3	-56.7%
Madrid	950	8.8%	0	0.0%	182	147.3%
Murcia	1,161	0.1%	666	-35.3%	48	-0.4%
Navarra	343	-6.5%	216	-70.3%	18	0.5%
País Vasco	1,406	3.0%	497	-34.4%	33	-20.3%

### Daily evolution Conventional Demand



### Daily evolution Power Generation





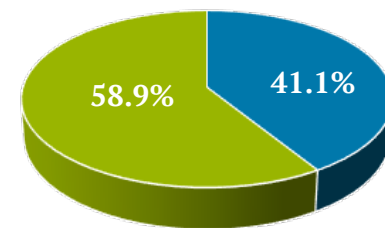
1. Evolution of gas demand
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2. **Demand coverage**
  1. **Origin of supplies**
  2. **Interconnection Points**
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## 2.1 Demand coverage: Origin of supplies

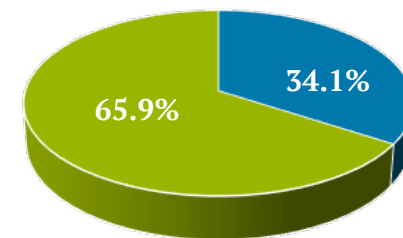
		Monthly accumulated			Annual accumulated		Moving Annual Total	
		Sep-2024	% s TOTAL	Sep-2023	Jan-Sep 2024	% s TOTAL	MAT: Oct 2023-Sep 2024	% s TOTAL
Algeria	GN	6,779	37.5%	8,009	75,859	36.4%	104,105	36.5%
	GNL	2,936		5,054	18,131		25,158	
Russia	GNL	3,368	13.0%	3,259	56,302	21.8%	72,503	20.5%
United States	GNL	6,029	23.3%	3,814	48,608	18.8%	72,060	20.4%
Nigeria	GNL	1,147	4.4%	6,195	17,294	6.7%	25,384	7.2%
France	GN	2,217	8.6%	1,939	12,942	5.4%	15,365	4.6%
	GNL	0		1,089	1,093		1,093	
Portugal	GN	1,609	6.2%	541	10,131	3.9%	12,015	3.4%
Qatar	GNL	869	3.4%	877	6,946	2.7%	11,391	3.2%
Norway	GNL	0	0.0%	0	2,777	1.1%	4,627	1.3%
Belgium	GNL	0	0.0%	0	2,128	0.8%	2,128	0.6%
Trinidad	GNL	0	0.0%	0	1,444	0.6%	1,444	0.4%
Congo	GNL	908	3.5%	0	2,516	1.0%	2,516	0.7%
Peru	GNL	0	0.0%	0	1,139	0.4%	1,139	0.3%
Cameroon	GNL	0	0.0%	0	0	0.0%	1,103	0.3%
Egypt	GNL	0	0.0%	0	0	0.0%	821	0.2%
TVB (*)	GNL	0	0.0%	0	740	0.3%	740	0.2%
National deposits	GN	5	0.0%	7	101	0.0%	199	0.1%
National Biomethane	GN	24	0.1%	21	232	0.1%	305	0.1%
<b>TOTAL</b>		<b>25,893</b>	<b>100%</b>	<b>30,805</b>	<b>258,385</b>	<b>100%</b>	<b>354,095</b>	<b>100%</b>

September 2024



■ Total GN  
■ Total GNL

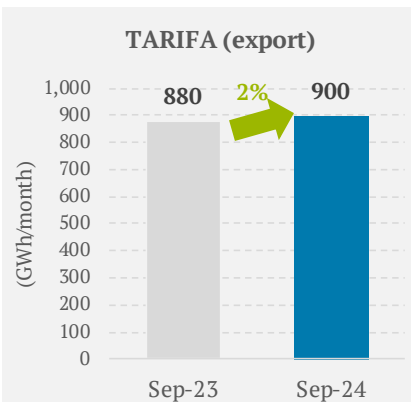
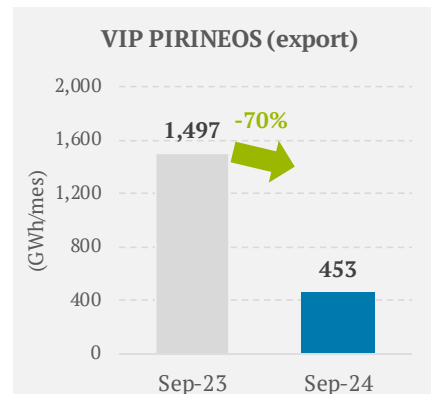
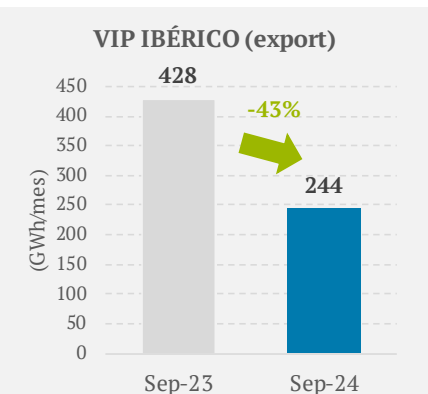
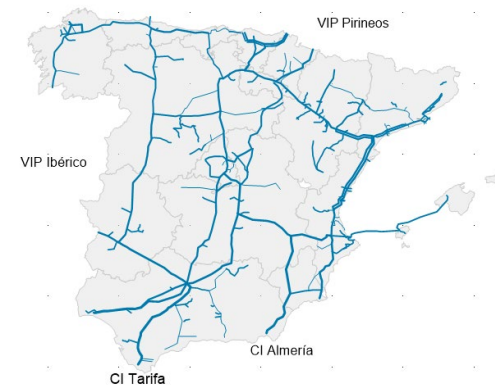
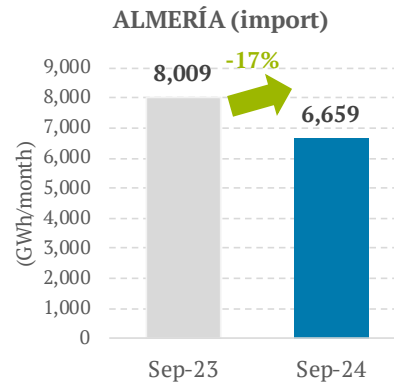
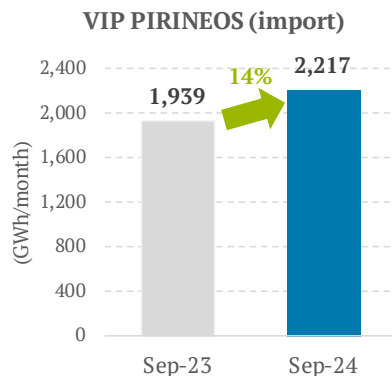
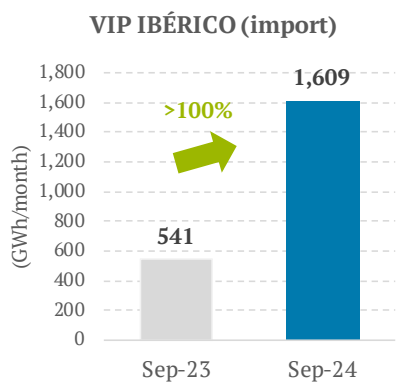
September 2023



■ Total GN  
■ Total GNL

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

# 2.1 Demand coverage : Interconnection Points



(\*) SL-ATR data

## 2.1 Demand coverage : Interconnection Points

### Net balances

Unidad: GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Sep-2023	Sep-2024	%Δ s/2023	Jan-Sep 2024	%Δ s/2023	MAT: Oct 2023- Sep 2024	%Δ MAT s/2023
Tarifa	-880	-900	2.3%	-7,190	-0.9%	-9,375	-0.7%
Almería	8,009	6,659	-16.9%	75,739	13.7%	103,955	9.6%
VIP Ibérico	113	1,365	>100%	6,950	>100%	7,269	>100%
VIP Pirineos	442	1,764	>100%	5,083	<100%	-241	-98.9%
Yacimiento Nacionales	5	5	<100%	101	-40.5%	199	-25.7%
Biometano	21	24	15.7%	233	35.6%	305	25.0%
<b>Total</b>	<b>7,710</b>	<b>8,917</b>	<b>15.7%</b>	<b>80,915</b>	<b>78.3%</b>	<b>102,111</b>	<b>53.4%</b>

+ Transport network input

- Transport network output



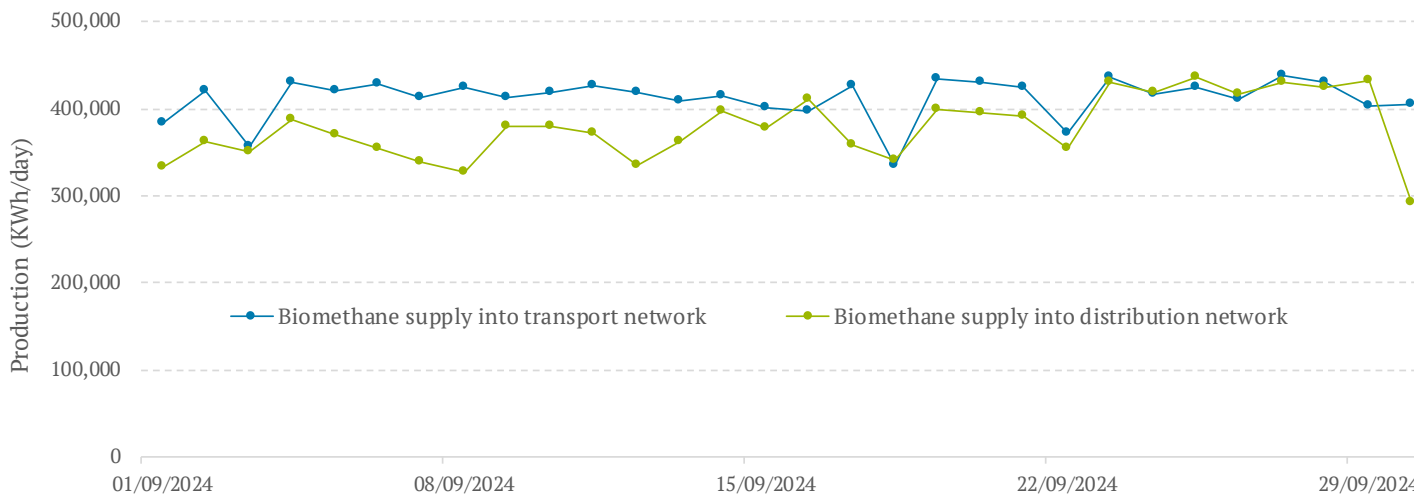
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# 3. Renewable gases

## BIOGAS production into Transport and Distribution Network

Unit: GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Sep-2023	Sep-2024	%Δ s/2023	Jan-Sep 2024	%Δ s/2023	MAT: Oct 2023- Sep 2024	%Δ TAM s/2023
Biomethane injected into transport network	10.9	12.4	13.1%	133.2	6.0%	178.7	4.4%
Biomethane injected into distribution network	9.6	11.4	18.8%	99.7	>100%	126.5	73.5%
<b>Total</b>	<b>20.5</b>	<b>23.7</b>	<b>15.7%</b>	<b>232.8</b>	<b>35.6%</b>	<b>305.3</b>	<b>25.0%</b>

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

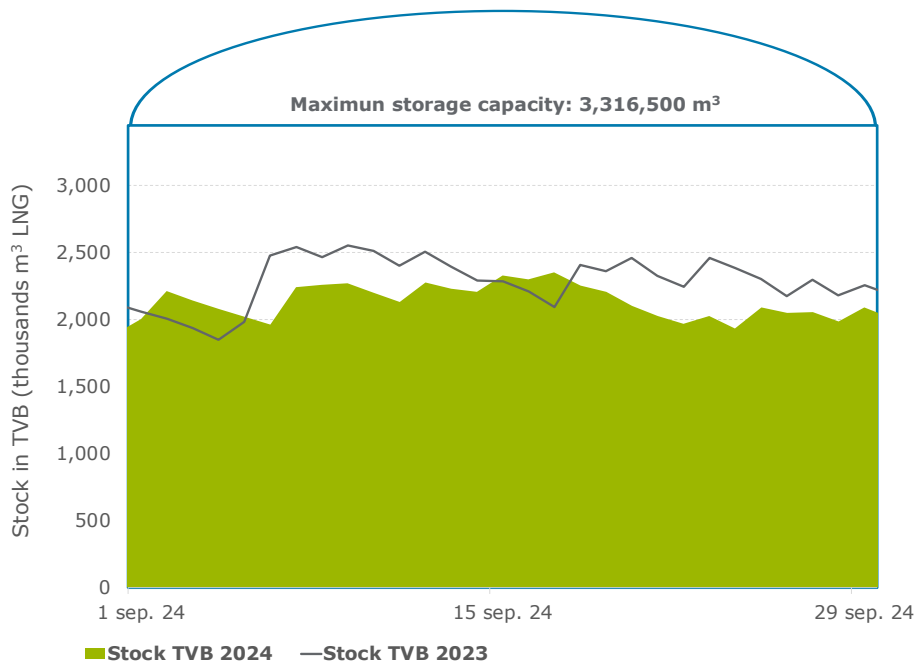




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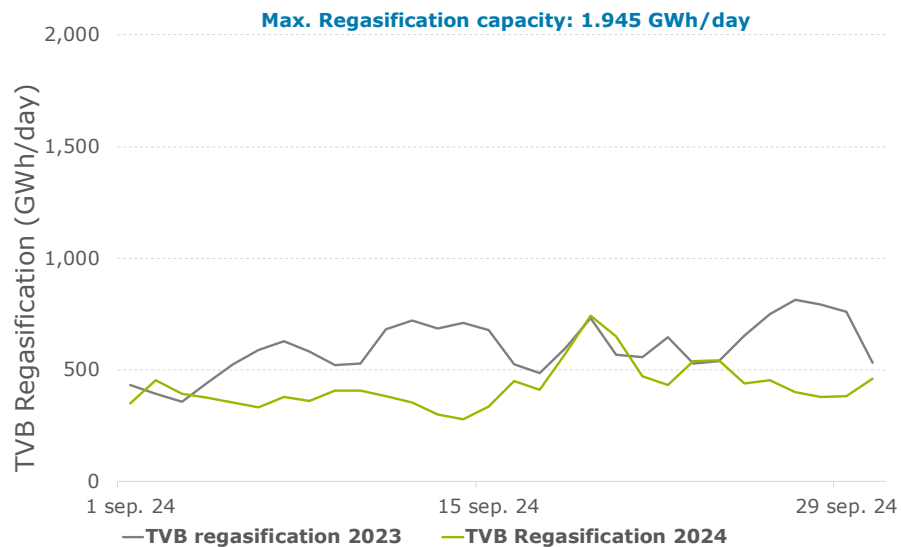
# 4. TVB activity

## TVB stock evolution



In September-24, the average TVB stock represents 74% of the average contracted capacity during that month

## Regasification in TVB



### September 2024

	GWh/month
Total regasification capacity	58,350
Contracted regasification capacity	13,505
Available regasification capacity	44,845
Commercial regasification	13,006



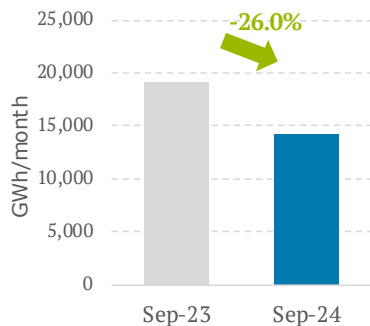
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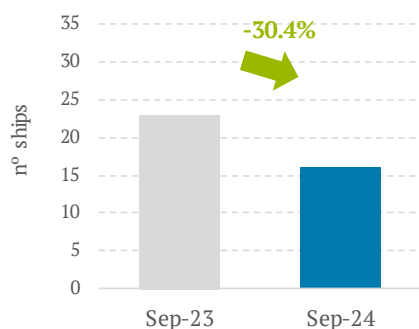
# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Sep-2023	Sep-2024	%Δ s/2023	Sep-2023	Sep-2024	%Δ s/2023	Sep-2023	Sep-2024	%Δ s/2023	Sep-2023	Sep-2024	%Δ s/2023
BARCELONA	5,273	3,313	-37.2%	7	5	-28.6%	310	377	21.5%	174	201	15.8%
HUELVA	2,367	2,055	-13.2%	3	2	-33.3%	63	261	>100%	214	238	11.2%
CARTAGENA	1,066	1,018	-4.5%	1	1	0.0%	1	0	-100.0%	149	174	16.7%
BILBAO	3,966	3,270	-17.6%	4	3	-25.0%	0	0	-	116	102	-11.9%
SAGUNTO	5,413	2,361	-56.4%	7	3	-57.1%	162	0	-100.0%	171	188	10.3%
MUGARDOS	1,104	2,189	98.2%	1	2	100.0%	93	30	-67.2%	87	68	-21.3%
MUSEL (*)	0	0	-	0	0	-	0	0	-	14	54	>100%
<b>Total</b>	<b>19,190</b>	<b>14,205</b>	<b>-26.0%</b>	<b>23</b>	<b>16</b>	<b>-30.4%</b>	<b>629</b>	<b>668</b>	<b>6.3%</b>	<b>923</b>	<b>1,026</b>	<b>11.1%</b>

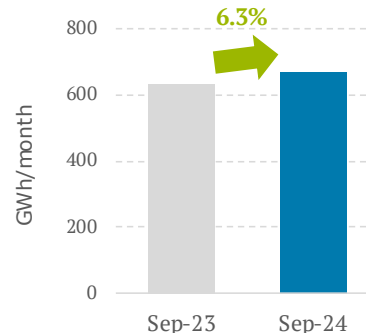
SHIPS UNLOADED



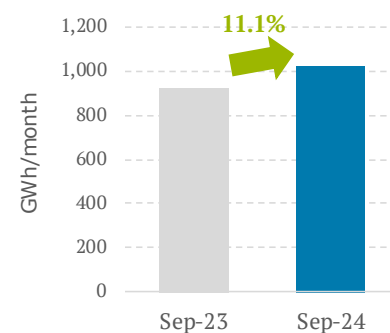
NUMBER OF SHIPS UNLOADED



SHIPS LOADED



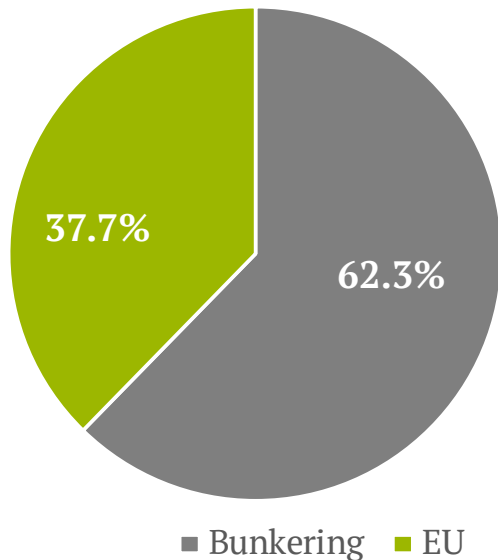
LNG TRUCKS



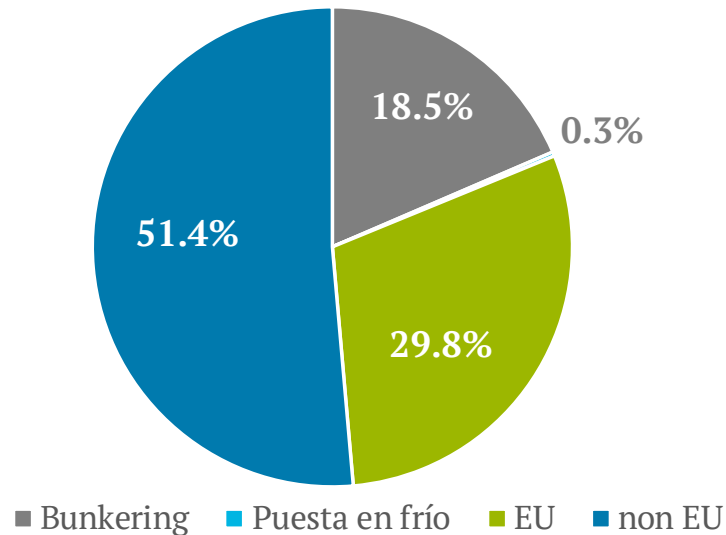
(\*) Unloads at El Musel terminal in order to carry out the commissioning of the terminal.

# 5. Regasification plants activity

Destination of cargoes. September 2024



Destination of cargoes. January-September 2024

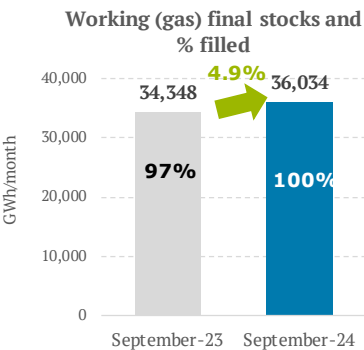
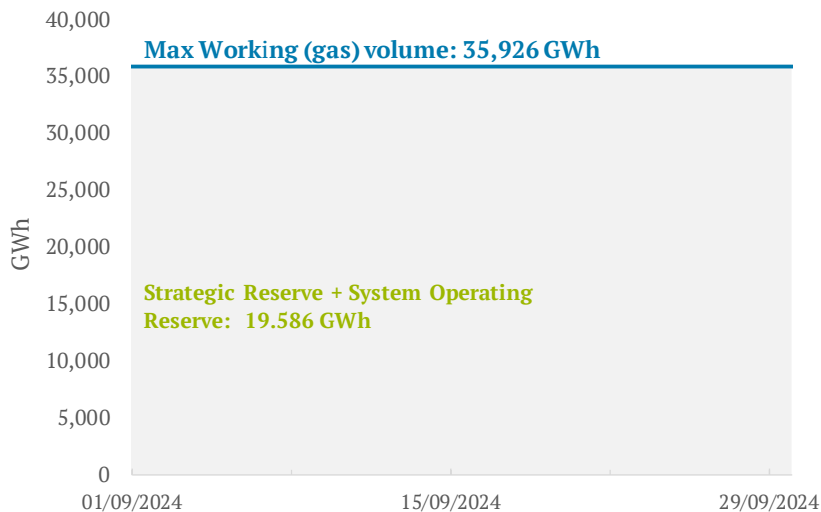




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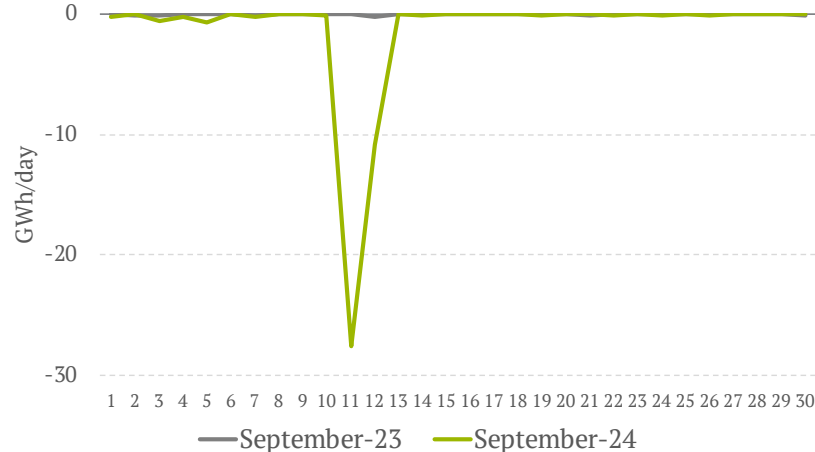
# 6. UGS activity

## Working gas evolution

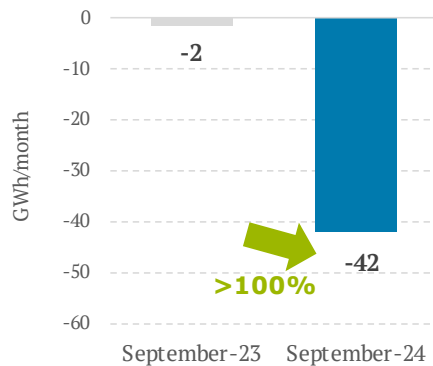


In September-24, stock at AVB represent 100% of the contracted capacity during that month

## 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 September 2024, two Operation notes had been published.
  - ❖ Operation note n°7 (start): Scheduled Maintenance on the Leon-Oviedo (20”) gas pipeline. Cadual River Variant.
  - ❖ Operation note n°8 (final)

## Relevant facts:

- ❑ No relevant fact has been published this month



