

# Statistical bulletin

November 2024

**PRELIMINARY**

Technical Management of the System

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

December-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

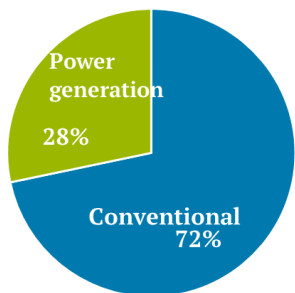
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

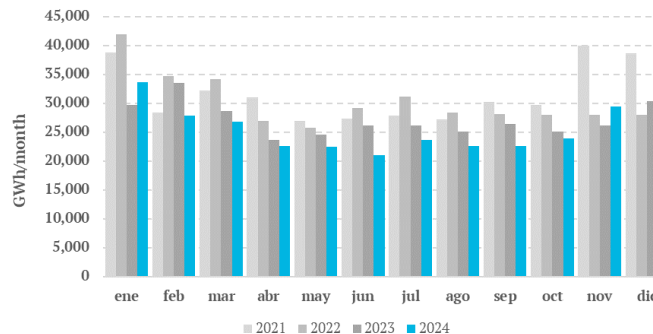
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	November-2024	%Δ s/2023	Jan-Nov 2024	%Δ s/2023	MAT: Oct 2023-Nov 2024	%Δ MAT vs 2023
<b>National Market demand</b>	<b>29,433</b>	<b>12.7%</b>	<b>276,587</b>	<b>-6.3%</b>	<b>307,028</b>	<b>-5.7%</b>
Conventional	21,109	5.7%	212,338	3.0%	236,091	2.7%
Power generation	8,324	35.6%	64,249	-27.8%	70,937	-25.9%
<b>International Market demand</b>	<b>3,010</b>	<b>-62.7%</b>	<b>32,904</b>	<b>-53.8%</b>	<b>36,914</b>	<b>-51.0%</b>
International conexions exports	1,431	-72.9%	21,361	-57.8%	24,018	-55.0%
LNG Vessel loading	1,579	-43.5%	11,543	-43.9%	12,896	-41.2%
<b>TOTAL</b>	<b>32,442</b>	<b>-5.1%</b>	<b>309,491</b>	<b>-15.5%</b>	<b>343,942</b>	<b>-14.2%</b>

National market demand Nov 2024

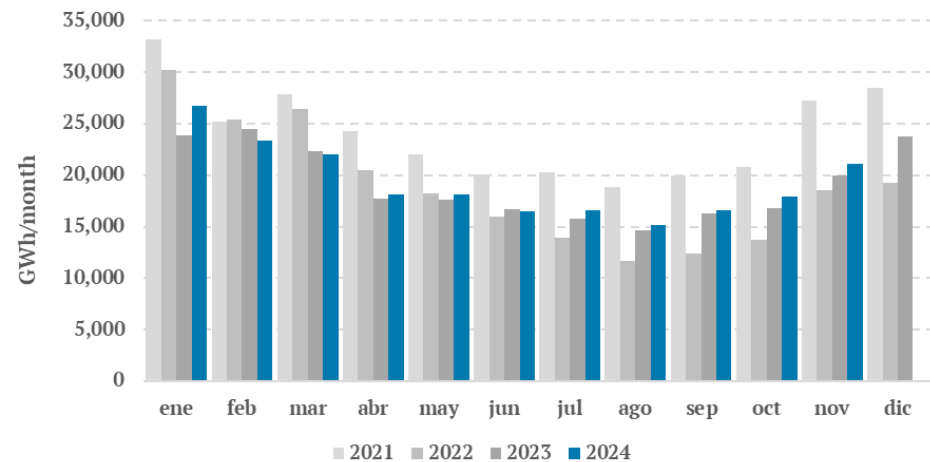


Total Demand

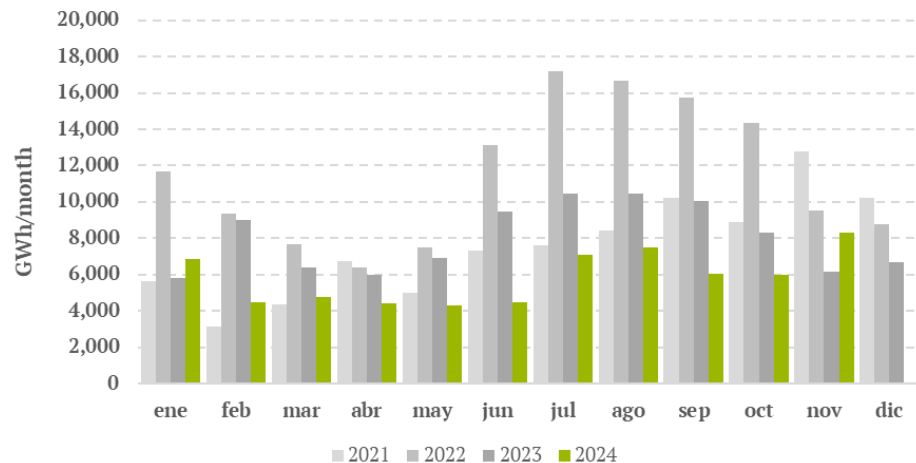


# 1. Evolution of gas demand

## Final Demand



## Demand for Power generation



# 1.1 Evolution of gas demand. Conventional

## Demand



Conventional market

**+5.7%**

more than the previous year

## Temperatures

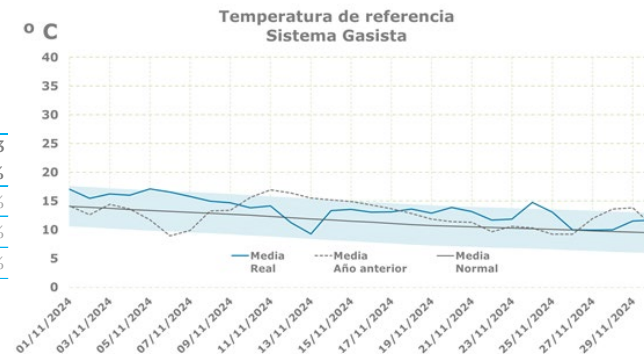


**-2.0 °C**

Less than last's year temperature  
at the same time of the year

	Conventional demand		Accumulated		MAT	
	nov2024 (*)	%24 s/23	Jan - nov2024	%24 s/23	Nov24-Dic23	% MAT s/23
<b>Demand</b>	<b>GWh</b>		<b>GWh</b>		<b>GWh</b>	
	21,109	5.7%	212,338	3.0%	236,091	2.7%
Calendar		-2.7%		0.1%		0.4%
Temperature		-2.0%		-0.4%		-0.4%
Amended demand		10.5%		3.3%		2.6%

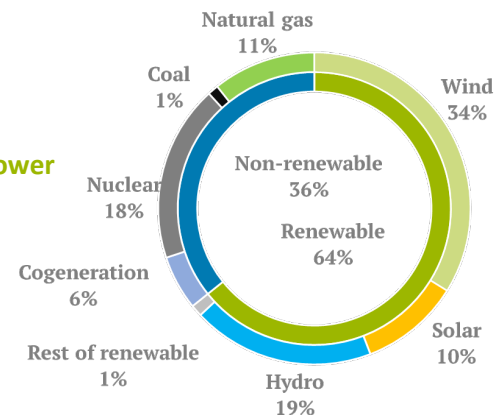
\* The sum of the correction factors is equal to % of total demand



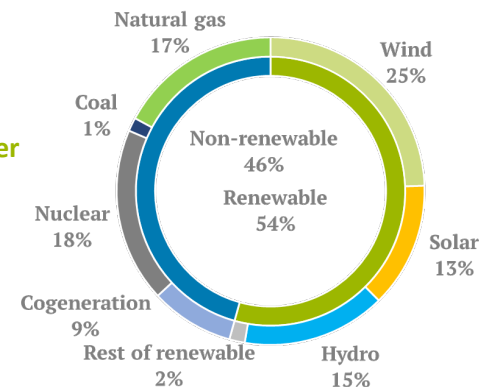
# 1.2 Power generation– electricity generation mix

TWh (e)	2023 Nov 1 <sup>st</sup> to 30th	2024 Oct 1 <sup>st</sup> to 31th	Δ 2024 vs 2023	% Δ 2024 vs 2023
<b>Power generation</b>	18.8	18.6	-0.1	-0.7%
<b>Wind</b>	7.0	4.8	-2.2	-31.1%
use of installed capacity [GW]	29.9	30.9	+1.0	3.3%
% utilization of total installed	33%	22%		
<b>Solar</b>	2.1	2.6	+0.5	21.5%
use of installed capacity [GW]	26.8	30.8	+4.0	14.9%
% utilization of total installed	11%	12%		
<b>Hydro</b>	3.9	3.0	-0.9	-23.7%
<b>Rest of renewable</b>	0.3	0.3	+0.1	27.3%
<b>Cogeneration</b>	1.2	1.7	+0.6	48.1%
<b>Nuclear</b>	3.8	3.6	-0.2	-4.4%
<b>Coal</b>	0.2	0.3	+0.1	23.0%
<b>Natural gas</b>	2.2	3.4	+1.2	52.9%
<b>International exchanges</b>	-0.9	-0.4	+0.5	-52.9%
France	exportacion -0.8	exportacion 0.6	+1.4	
Portugal	0.1	-0.8	-0.9	
Morocco	-0.2	-0.2	-0.1	

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



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



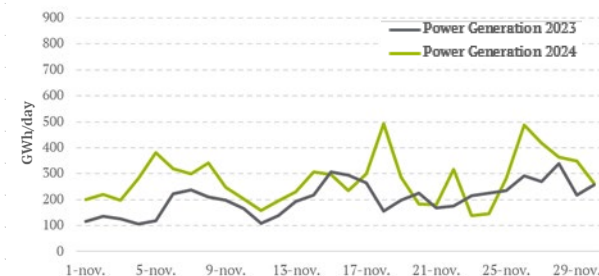
# 1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Nov-2024	%Δ vs Nov 2023	Nov-2024	%Δ vs Nov 2023	Nov-2024	%Δ vs Nov 2023
Andalucía	2,405	15.2%	1,449	39.9%	172	-11.9%
Aragón	1,226	14.7%	375	60.3%	57	7.9%
Asturias	525	4.8%	448	112.8%	31	13.6%
Baleares	71	1.7%	607	0.7%	2	-44.7%
Cantabria	195	-31.7%	0	0.0%	25	-29.7%
Castilla - La Mancha	1,072	4.8%	408	13.7%	57	-15.8%
Castilla y León	1,699	3.4%	0	0.0%	64	-4.1%
Cataluña	3,752	9.0%	1,311	-4.1%	117	-16.7%
Comunidad Valenciana	2,063	15.6%	867	81.6%	103	-4.0%
Extremadura	172	0.0%	0	0.0%	51	19.5%
Galicia	834	-3.1%	541	-1.2%	57	9.1%
La Rioja	222	5.8%	270	26.3%	4	14.6%
Madrid	2,344	-7.5%	0	0.0%	185	84.6%
Murcia	1,240	6.6%	856	33.8%	48	-18.5%
Navarra	530	1.8%	609	387.6%	13	-7.2%
País Vasco	1,720	8.4%	589	89.7%	21	21.5%

Daily evolution Conventional Demand



Daily evolution Power Generation



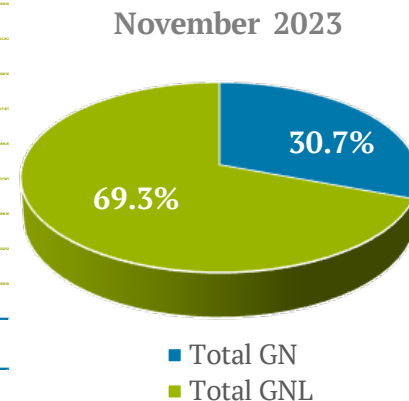
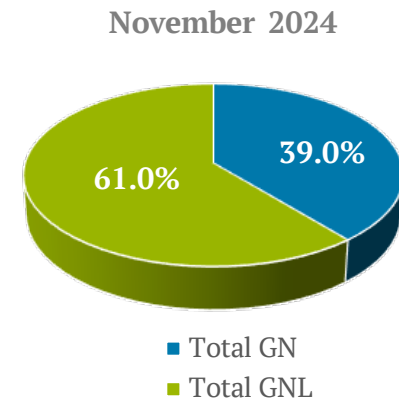


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  1. **Origin of supplies**
  2. **Interconnection Points**
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4. TVB activity
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7. Operating notes and other relevant facts



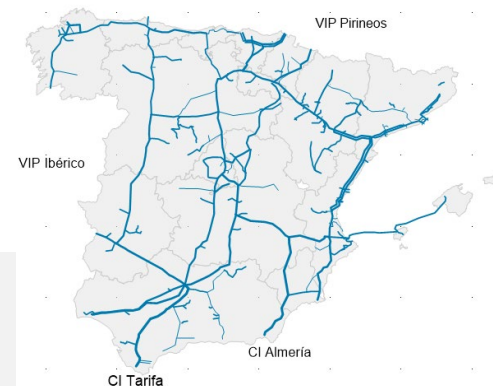
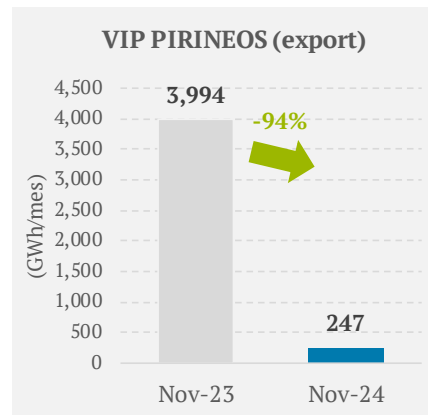
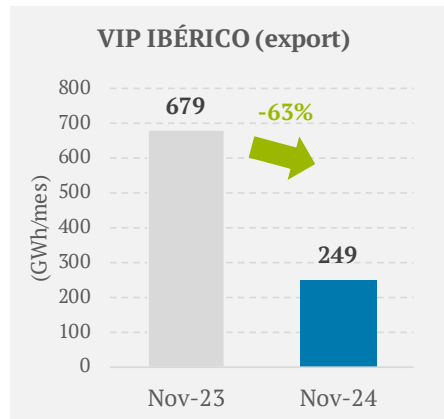
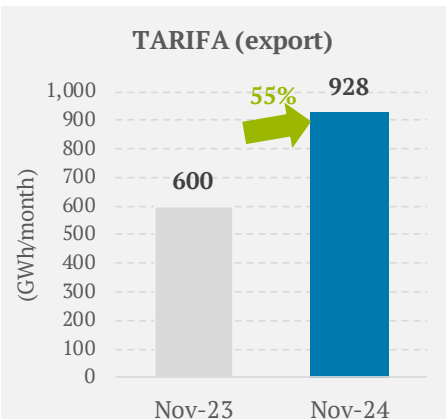
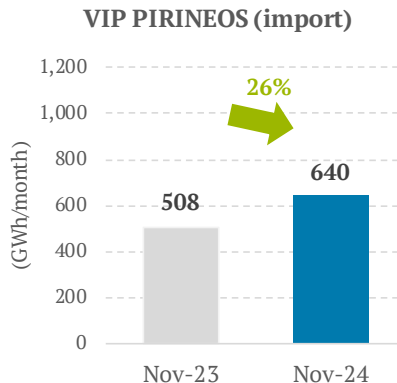
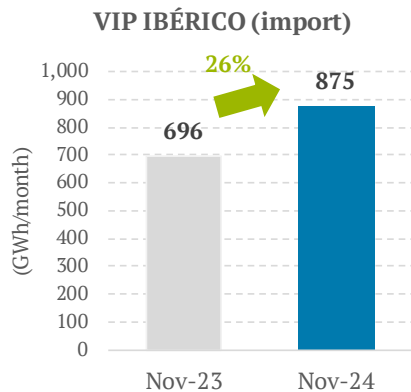
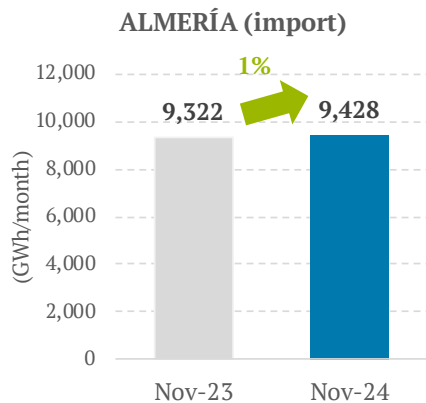
## 2.1 Demand coverage: Origin of supplies

		Monthly accumulated		Annual accumulated		Moving Annual Total		
		Nov-2024	% s TOTAL	Nov-2023	Jan-Nov 2024	% s TOTAL	MAT: Dec 2023- Nov 2024	% s TOTAL
Algeria	NG	9,971	45.9%	9,352	96,127	38.7%	105,319	38.5%
	LNG	3,723		173	25,311		26,126	
Russia	LNG	6,404	21.5%	6,439	66,875	21.3%	72,356	21.2%
United States	LNG	3,240	10.9%	12,752	53,916	17.2%	57,618	16.9%
Nigeria	LNG	2,088	7.0%	3,706	21,250	6.8%	23,877	7.0%
France	NG	746	2.5%	508	14,293	4.9%	15,519	4.9%
	LNG	0	0.0%	0	1,093	0.0%	1,093	0.0%
Portugal	LNG	875	2.9%	696	11,666	3.7%	12,339	3.6%
Qatar	LNG	1,726	5.8%	878	9,535	3.0%	11,288	3.3%
Congo	LNG	0	0.0%	0	3,365	1.1%	3,365	1.0%
Norway	LNG	0	0.0%	0	2,777	0.9%	3,706	1.1%
Angola	LNG	1,021	3.4%	0	2,053	0.7%	2,053	0.6%
Belgium	LNG	0	0.0%	0	2,128	0.7%	2,128	0.6%
Trinidad	LNG	0	0.0%	0	1,444	0.5%	1,444	0.4%
Peru	LNG	0	0.0%	0	1,139	0.4%	1,139	0.3%
Egypt	LNG	0	0.0%	0	740	0.2%	740	0.2%
TVB (*)	LNG	0	0.0%	0	0	0.0%	821	0.2%
National Deposits	NG	7	0.0%	10	146	0.0%	193	0.1%
National Biomethane	NG	27	0.1%	25	286	0.1%	311	0.1%
<b>TOTAL</b>		<b>29,826</b>	<b>100%</b>	<b>34,539</b>	<b>314,146</b>	<b>100%</b>	<b>341,437</b>	<b>100%</b>



(\*) 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	
	Nov-2023	Nov-2024	%Δ s/2023	Jan-Nov 2024	%Δ s/2023	MAT: Dec 2023- Nov 2024	%Δ MAT s/2023
Tarifa	-570	-928	62.8%	-9,048	4.8%	-9,857	4.4%
Almería	9,322	9,428	1.1%	94,940	10.8%	104,132	9.8%
VIP Ibérico	18	627	>100%	7,929	>100%	8,242	>100%
VIP Pirineos	-3,486	393	<100%	5,550	<100%	5,290	-123.1%
National Deposits	10	7	<100%	146	-33.7%	193	-27.8%
Natiuonal Biomethane	25	28	11.1%	287	31.5%	313	28.2%
<b>Total</b>	<b>5,319</b>	<b>9,554</b>	<b>79.6%</b>	<b>99,806</b>	<b>71.9%</b>	<b>108,313</b>	<b>62.7%</b>

+ Transport network input

- Transport network output

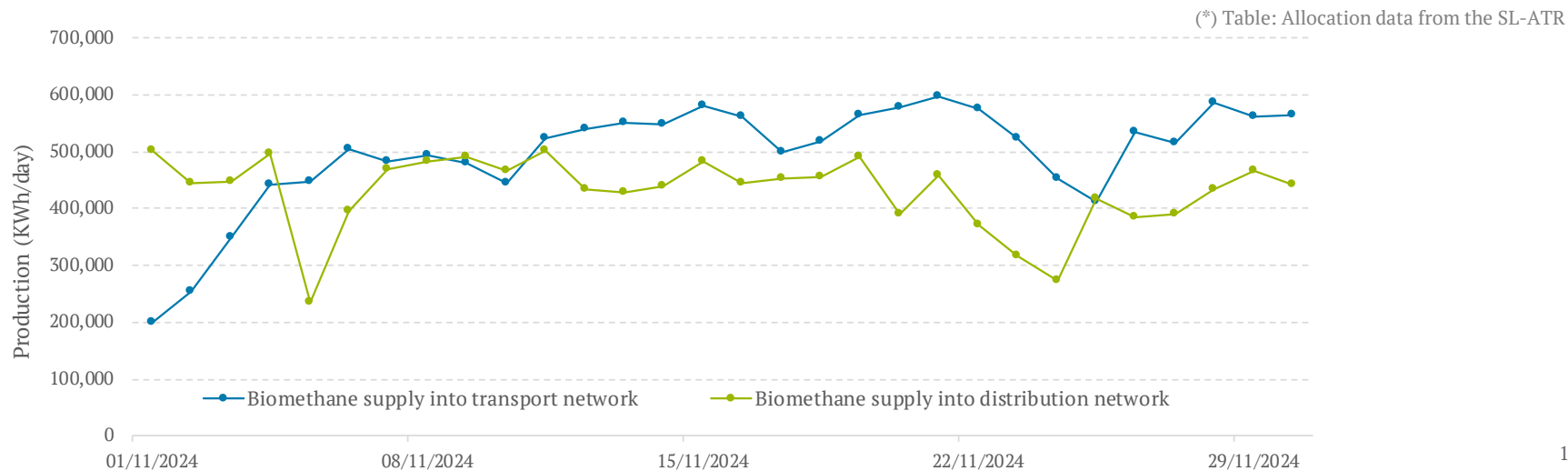


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# 3. Renewable gases

## BIOGAS production into Transport and Distribution Network

Unit: GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Nov-2023	Nov-2024	%Δ s/2023	Jan-Nov 2024	%Δ s/2023	MAT: Dec 2023- Nov 2024	%Δ TAM s/2023
Biomethane injected into transport network	16.4	14.9	-9.1%	161.5	4.7%	178.5	4.3%
Biomethane injected into distribution network	8.6	12.9	49.4%	125.9	<100%	134.4	84.3%
<b>Total</b>	<b>25.0</b>	<b>27.8</b>	<b>11.1%</b>	<b>287.4</b>	<b>31.5%</b>	<b>312.9</b>	<b>28.2%</b>



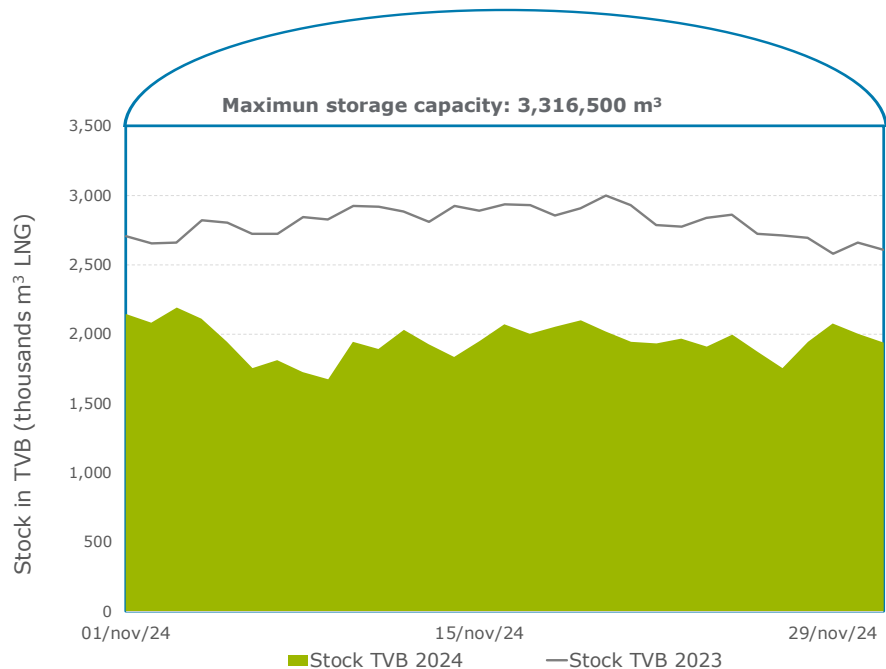
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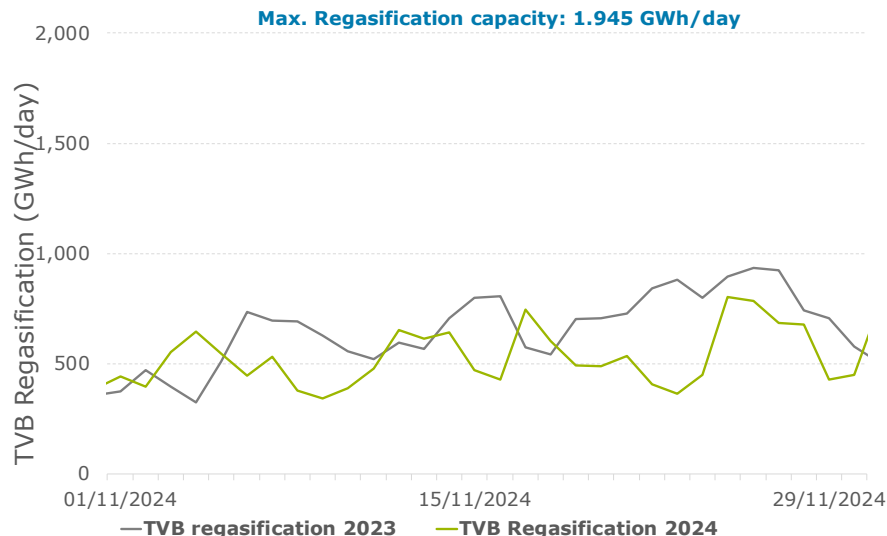
# 4. TVB activity

## TVB stock evolution



In November-24, the average TVB stock represents 80% of the average contracted capacity during that month

## Regasification in TVB



### November 2024

GWh/month

Total regasification capacity 58,350

Contracted regasification capacity 16,097

Available regasification capacity 42,253

Commercial regasification 12,931

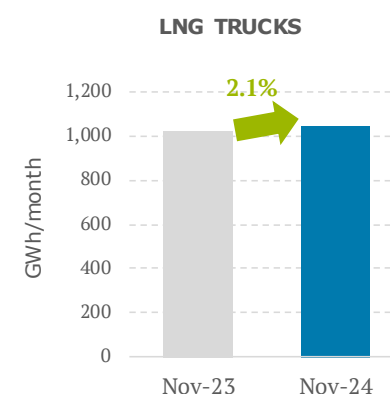
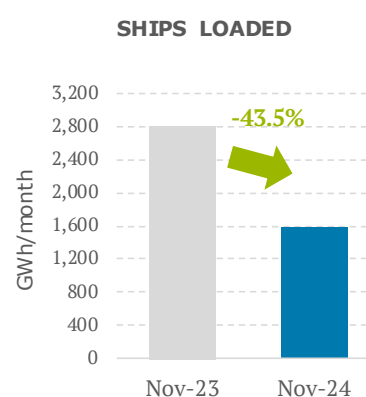
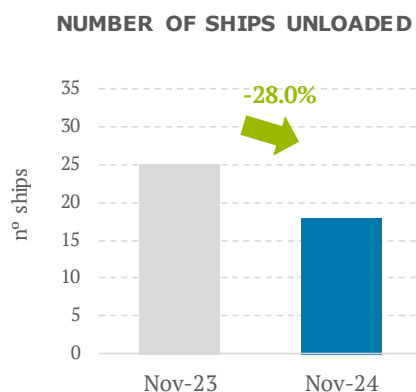
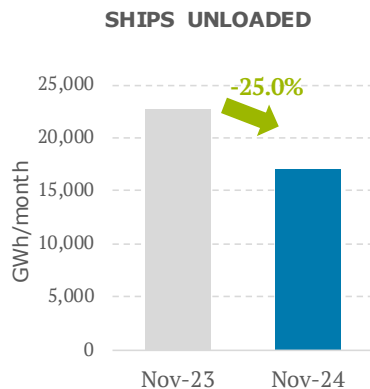


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# 5. Regasification plants activity

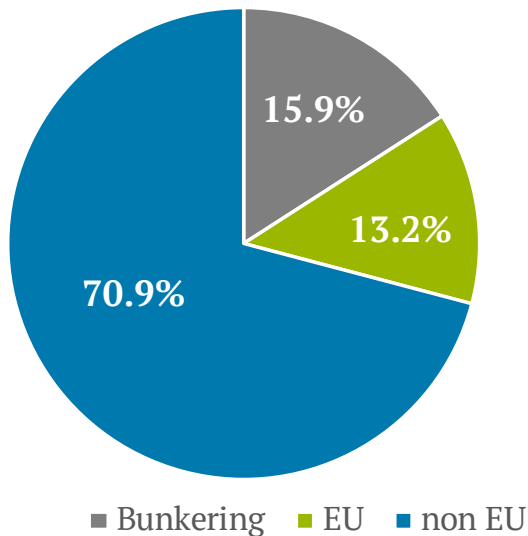
GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Nov-2023	Nov-2024	%Δ s/2023	Nov-2023	Nov-2024	%Δ s/2023	Nov-2023	Nov-2024	%Δ s/2023	Nov-2023	Nov-2024	%Δ s/2023
BARCELONA	5,112	3,352	-34.4%	6	4	-33.3%	292	312	6.9%	211	214	1.7%
HUELVA	4,227	1,092	-74.2%	5	1	-80.0%	76	1,267	>100%	204	186	-8.7%
CARTAGENA	3,203	1,952	-39.1%	3	3	0.0%	482	0	-100.0%	197	200	1.5%
BILBAO	4,348	5,484	26.1%	4	5	25.0%	0	0	-	111	106	-4.8%
SAGUNTO	3,879	3,192	-17.7%	5	3	-40.0%	1,848	0	-100.0%	177	189	6.5%
MUGARDOS	2,066	2,060	-0.3%	2	2	0.0%	98	0	-100.0%	87	84	-3.5%
MUSEL (*)	0	0	-	0	0	-	0	0	-	32	62	90.8%
<b>Total</b>	<b>22,834</b>	<b>17,131</b>	<b>-25.0%</b>	<b>25</b>	<b>18</b>	<b>-28.0%</b>	<b>2,796</b>	<b>1,579</b>	<b>-43.5%</b>	<b>1,020</b>	<b>1,041</b>	<b>2.1%</b>



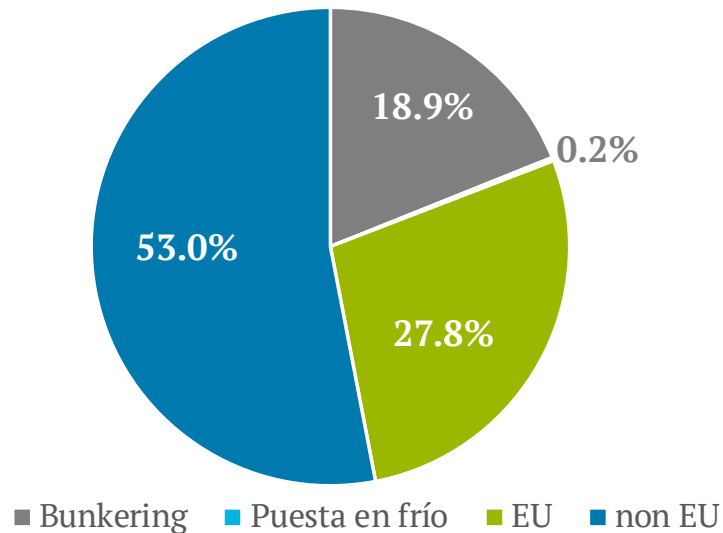
(\*) Unloads at El Musel terminal in order to carry out the commissioning of the terminal.

# 5. Regasification plants activity

Destination of cargoes. November 2024



Destination of cargoes. January-November 2024



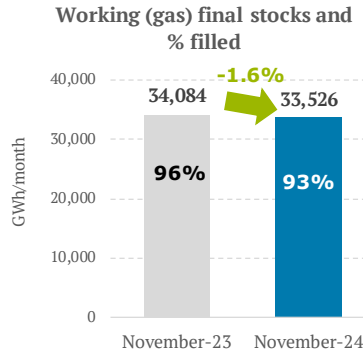
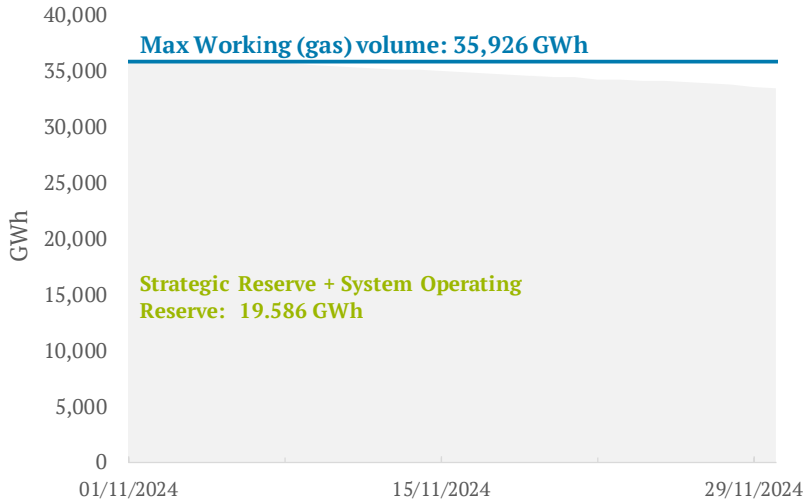
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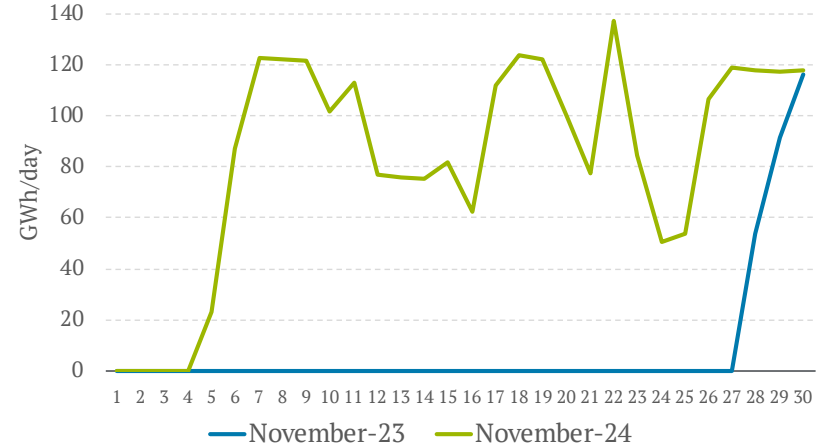
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# 6. UGS activity

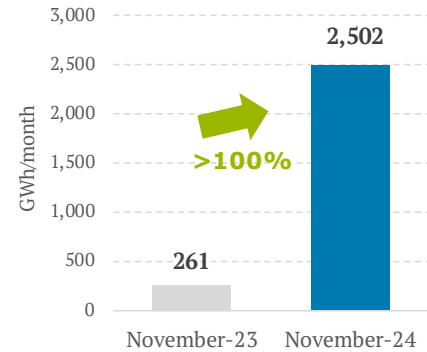
## Working gas evolution



## Daily withdrawal/injection



### Net injection/withdrawal





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# 7. Operating notes and other relevant facts

## Operating notes:

- ❑ In November 2024, the following operating notes have been published.
  - ❖ Operation note n°8. Inspection works of the Valencia-Alicante gas pipeline.
  - ❖ Operation note n°9. Scheduled work on the León-Oviedo gas pipeline (20")

## Relevant facts:

- ❑ No relevant fact has been published this month



