

Statistical bulletin

November 2022

AVANCE

Technical Management of the System

GTS_DEMANDA@enagas.es

December-22





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

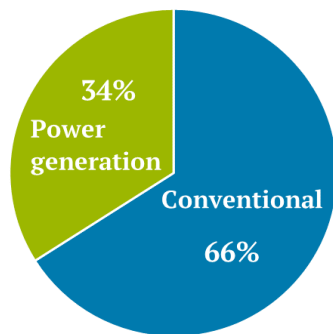
6. Underground Storage activity

7. Operating notes and other relevant facts

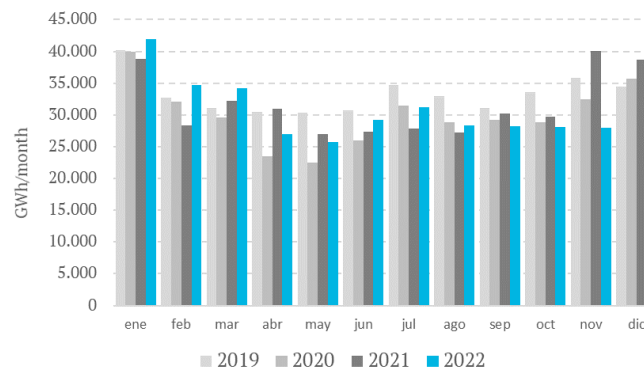
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Nov-2022	%Δ vs Nov-2021	Jan-Nov 2022	%Δ vs Jan-Nov 2021	MAT: Dec 2021-Nov 2022	%Δ MAT vs 2021
National Market demand	28.013	-30,0%	336.441	-1,0%	375.162	-0,9%
Conventional	18.491	-32,1%	207.157	-20,2%	235.626	-18,2%
Power generation	9.522	-25,7%	129.283	61,3%	139.537	54,4%
International Market demand	6.250	>100%	57.286	68,9%	59.188	65,3%
International connections exports	4.263	>100%	36.363	104,9%	37.259	99,8%
LNG Vessel loading	1.986	28,5%	20.923	29,5%	21.928	27,8%
TOTAL	34.262	-18,8%	393.727	5,4%	434.350	4,8%

National market demand November 2022

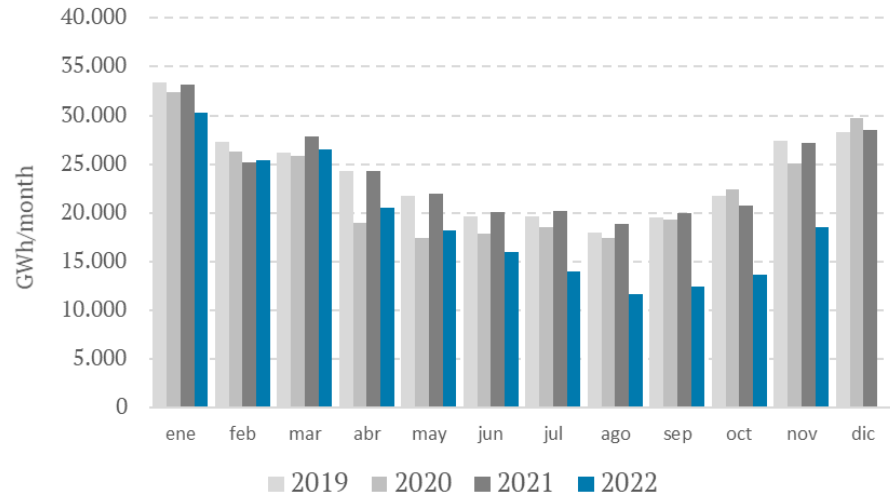


Total Demand

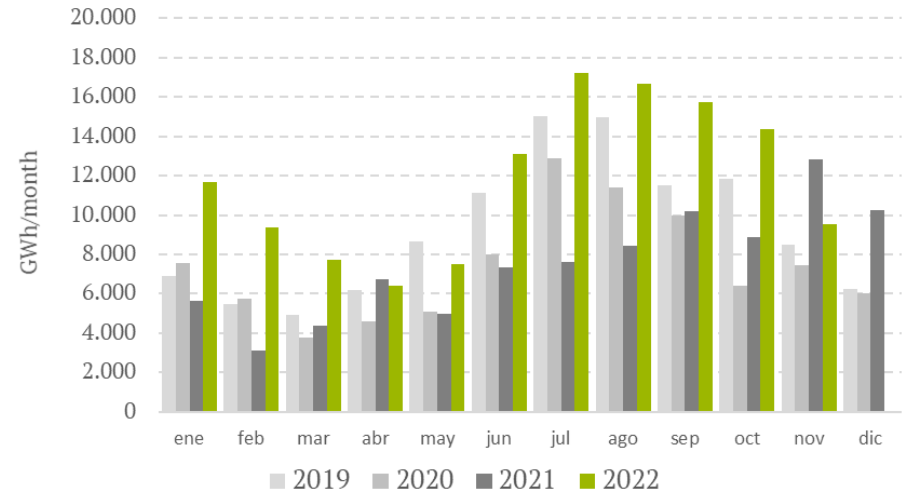


1. Evolution of gas demand

Conventional Demand



Power Generation



1.1 Evolution of gas demand. Conventional

Demand

 Conventional market

-32%

Less than the previous year

Temperatures

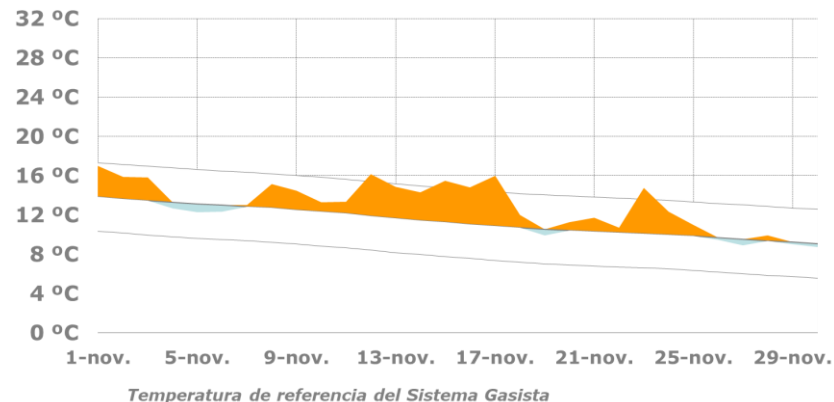


+3,1°C

More than the previous year

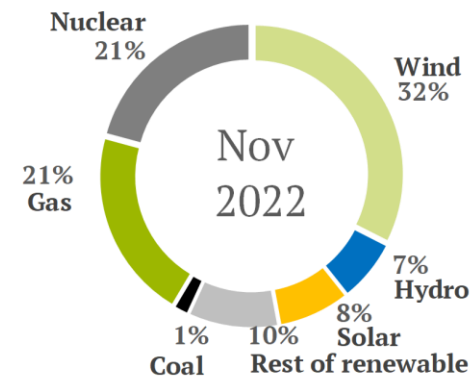
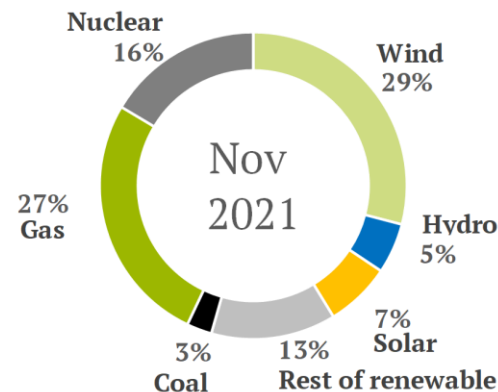
Demand	Conventional demand		Accumulated		MAT	
	Nov 2022 (*)		Jan-Nov 2022		Dec 2021-Nov 2022	
	GWh	%22 s/21	GWh	%22 s/21	GWh	% TAM s/21
Calendar	18.491	-32,1%	207.157	-20,2%	235.626	-18,2%
Temperature		0,0%		-0,2%		0,0%
Amended demand		-12,6%		-2,3%		-2,0%
		-19,5%		-17,8%		-16,2%

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

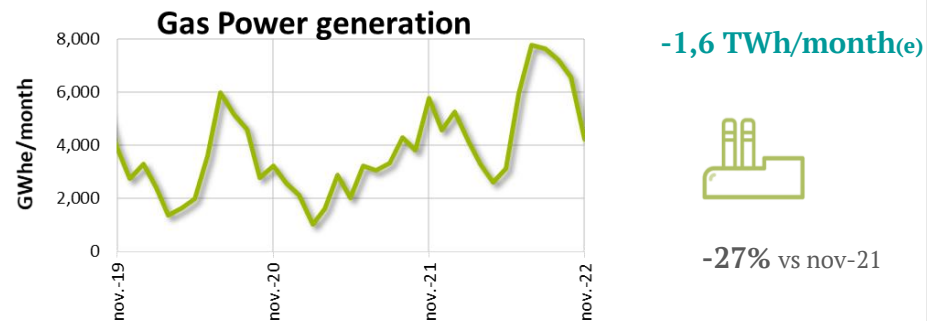
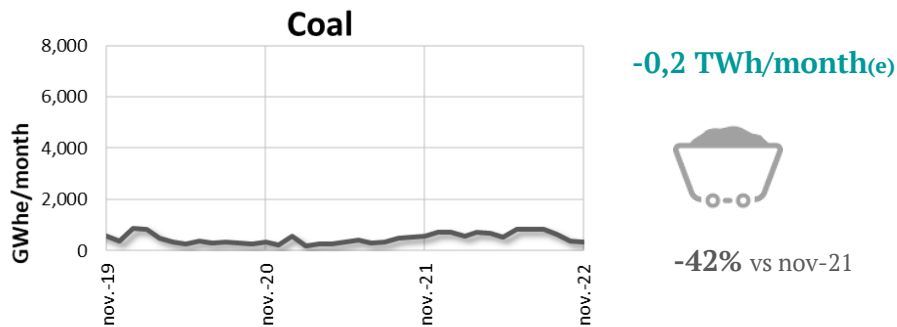
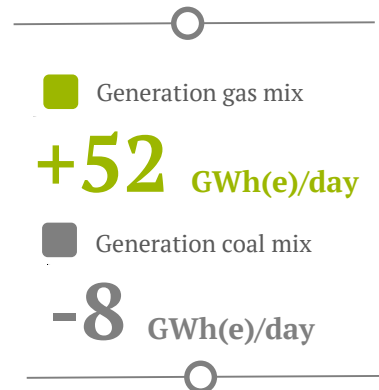
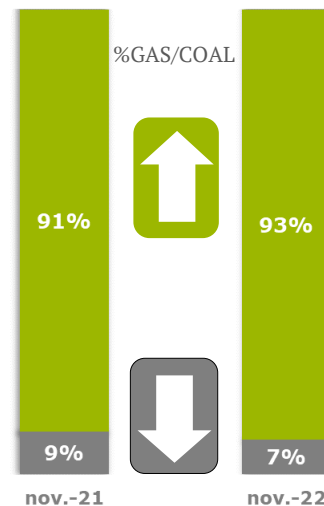
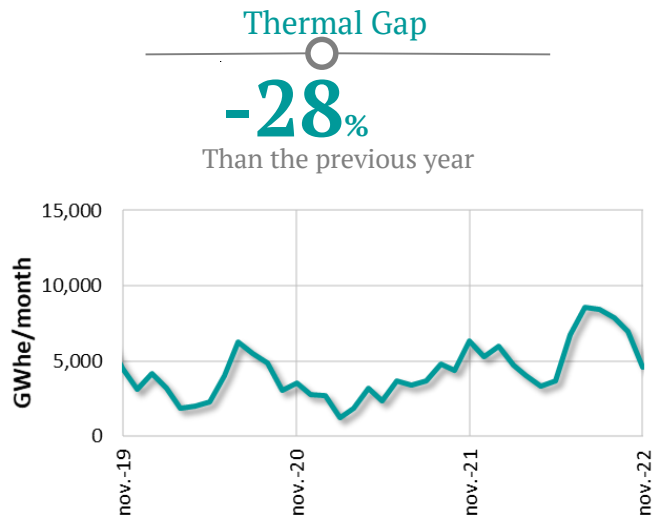


1.2 Power generation– electricity generation mix

TWh (e)	Nov 2021	Nov 2022
Power generation	20.4	18.4
Wind	6.3	6.6
Hydraulic	1.2	1.4
Solar	1.5	1.6
Rest of renewable	2.9	2.0
Cogeneration	2.2	1.5
Others	0.7	0.5
Thermal Gap	6.4	4.6
Coal	0.6	0.3
Gas	5.8	4.2
% gas in TG	91%	93%
Nuclear	3.6	4.2
International balances	-1.3	-1.6
	export	export



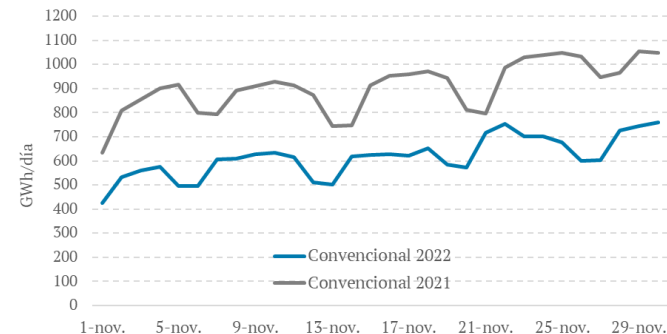
1.2 Power generation – Thermal Gap evolution



1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION		LNG trucks	
	Nov-2022	%Δ vs nov 2021	Nov-2022	%Δ vs nov 2021	Nov-2022	%Δ vs nov 2021
Andalucía	1,960	-15.2%	2,048	-22.2%	193	-32.8%
Aragón	1,058	-33.4%	557	-39.0%	53	-32.8%
Asturias	440	-34.6%	628	-11.6%	18	-28.4%
Baleares	57	-34.7%	669	-12.7%	3	-11.2%
Cantabria	296	-38.8%			4	-34.6%
Castilla - La Mancha	763	-35.9%	177	-62.6%	68	-24.6%
Castilla y León	1,718	-27.7%			62	-29.0%
Cataluña	3,328	-33.7%	1,097	-23.6%	127	-51.4%
Comunidad Valenciana	2,131	-26.7%	633	-45.5%	83	-21.0%
Extremadura	165	-21.1%			43	-31.1%
Galicia	741	-30.5%	1,043	67.7%	64	-29.6%
La Rioja	218	-30.5%	188	-29.8%	6	-11.9%
Madrid	2,177	-36.7%			68	119.2%
Murcia	543	-57.3%	955	-40.1%	49	-26.4%
Navarra	516	-24.1%	624	-47.5%	16	-28.4%
País Vasco	1,449	-37.6%	903	-13.8%	37	77.9%

Daily evolution Conventional Demand



Daily evolution Power Generation

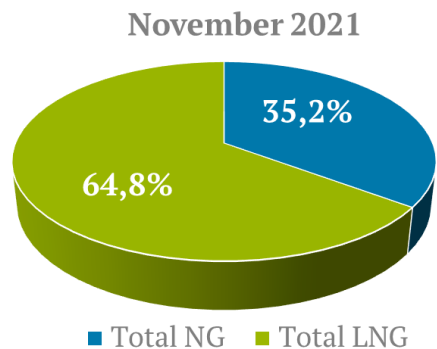
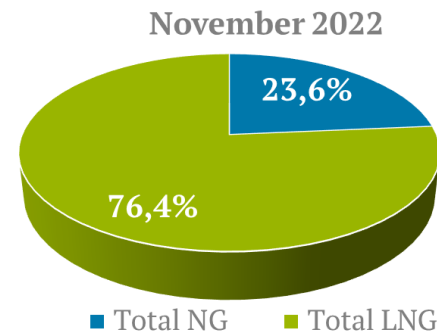




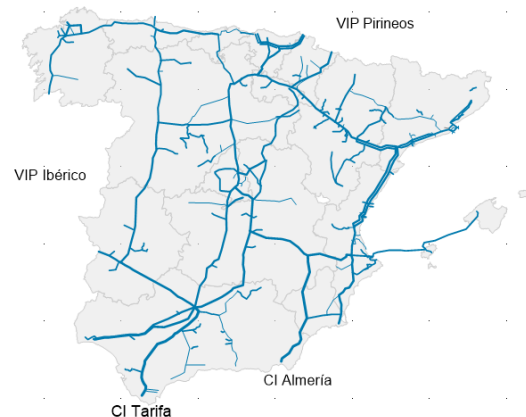
1. Evolution of gas demand
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 2. Power generation
 3. CCAA
2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating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

2.1 Demand coverage: Origin of supplies

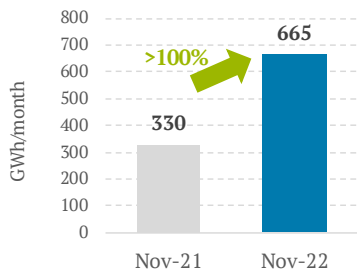
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)		
		Nov-2022	% s TOTAL	Nov-2021	Jan-Nov 2022	% s TOTAL	MAT: Dec 2021-Nov 2022	% s TOTAL
Algeria	NG	6.393		8.132	91.345		99.605	
	LNG	0	18,4%	3.364	5.447	23,7%	7.804	24,0%
United States	LNG	7.157	20,6%	7.253	116.197	28,5%	125.725	28,1%
Nigeria	LNG	4.743	13,6%	3.885	59.132	14,5%	65.831	14,7%
Russia	LNG	5.953	17,1%	3.604	48.406	11,9%	52.601	11,8%
France	NG	1.092		4.374	21.266		24.922	
	LNG	0	3,1%	1.059	1.068	5,5%	1.068	5,8%
Qatar	LNG	1.760	5,1%	1.779	13.383	3,3%	14.259	3,2%
Trinidad	LNG	2.821	8,1%	0	12.673	3,1%	12.673	2,8%
Egypt	LNG	1.379	4,0%	0	12.579	3,1%	12.579	2,8%
Equatorial Guinea	LNG	0	0,0%	0	5.943	1,5%	6.833	1,5%
Oman	LNG	1.912	5,5%	0	5.776	1,4%	5.776	1,3%
Portugal	NG	665	1,9%	330	4.288	1,0%	4.475	1,0%
Angola	LNG	0	0,0%	2.131	3.103	0,8%	5.099	1,1%
Cameroon	LNG	0	0,0%	0	2.143	0,5%	2.143	0,5%
Peru	LNG	840	2,4%	0	1.920	0,5%	1.920	0,4%
Belgium	LNG	0	0,0%	0	1.094	0,3%	1.094	0,2%
Indonesia	NG	0	0,0%	0	474	0,1%	474	0,1%
South Korea	NG	0	0,0%	0	167	0,0%	167	0,0%
Australia	NG	0	0,0%	670	0	0,0%	172	0,0%
National deposits	NG	37	0,1%	25	300	0,1%	327	0,1%
National Biogas	NG	16	0,0%	12	124	0,0%	132	0,0%
TOTAL		34.768	100%	36.617	408.385	100%	447.236	100%



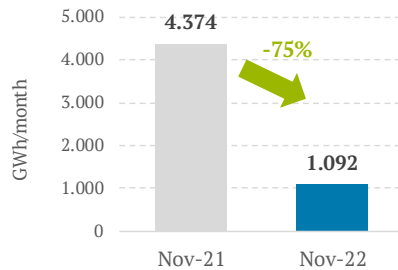
2.1 Demand coverage : Interconnection Points



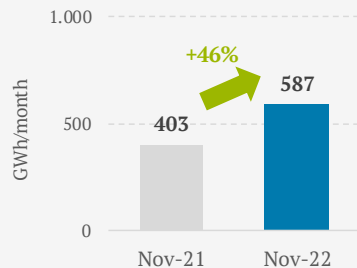
VIP IBÉRICO (imports)



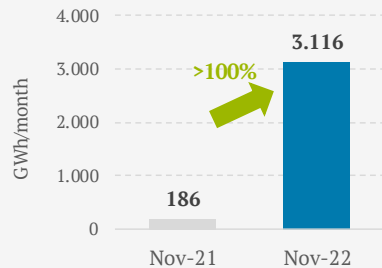
VIP PIRINEOS (imports)



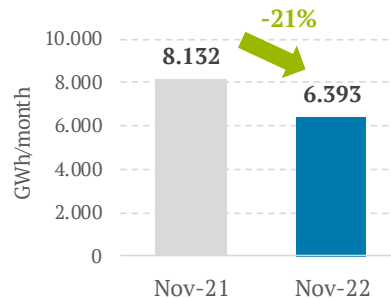
VIP IBÉRICO (exports)



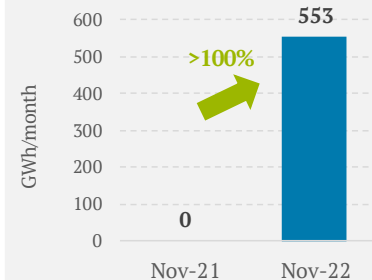
VIP PIRINEOS (exports)



ALMERÍA



TARIFA (exports)



(*) SL-ATR data

2.1 Demand coverage : Interconnection Points

Saldos Netos

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Nov-2022	Nov-2021	%Δ s/2021	Jan-Nov 2022	%Δ s/2021	MAT: Dec 2021-Nov 2022	%Δ MAT vs 2021
Tarifa	-553	0	>100%	-1.355	<-100%	-1.355	<-100%
Almería	6.393	8.132	-21,4%	91.345	13,6%	99.605	12,3%
VIP Ibérico	78	-72	>100%	-611	-44,0%	-946	-33,6%
VIP Pirineos	-2.025	4.188	<-100%	-8.836	<-100%	-5.555	<-100%
National Deposits	37	25	51,4%	300	-16,1%	327	-15,0%
Biogas	16	12	38,1%	124	35,9%	132	33,0%
Total	3.946	12.283	-67,9%	80.967	-49,2%	92.208	-46,0%

+ Transport network input

- Transport network output

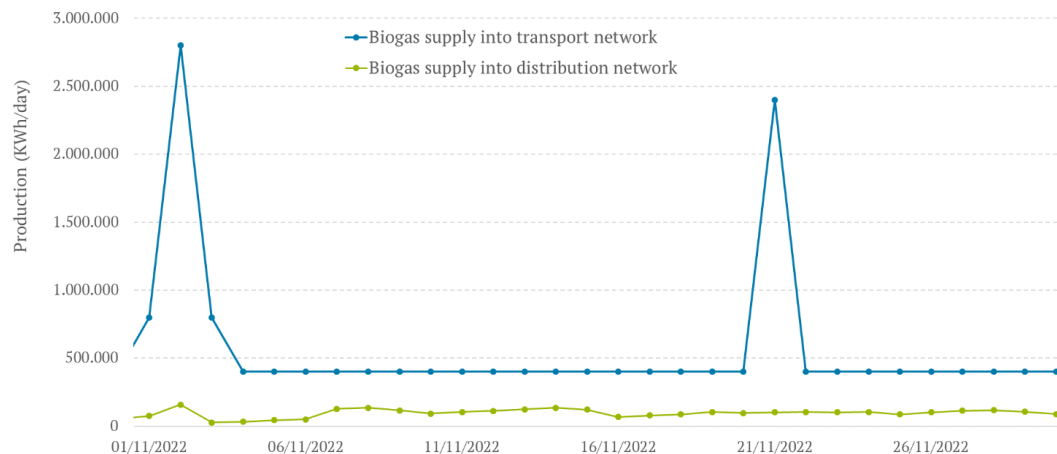


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3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Nov-2022	Nov-2022	%Δ s/2021	Jan-Nov 2022	%Δ s/2021	MAT: Dec 2021-Nov 2022	%Δ s/2021
BIOGAS injected into transport network	16,0	11,6	38,1%	123,6	35,9%	131,7	33,0%
BIOGAS injected into distribution network	2,8	1,9	45,7%	35,4	>100%	37,3	>100%
Total	18,8	13,5	39,2%	159,0	67,5%	169,0	61,0%



(*) Datos de repartos del SL-ATR

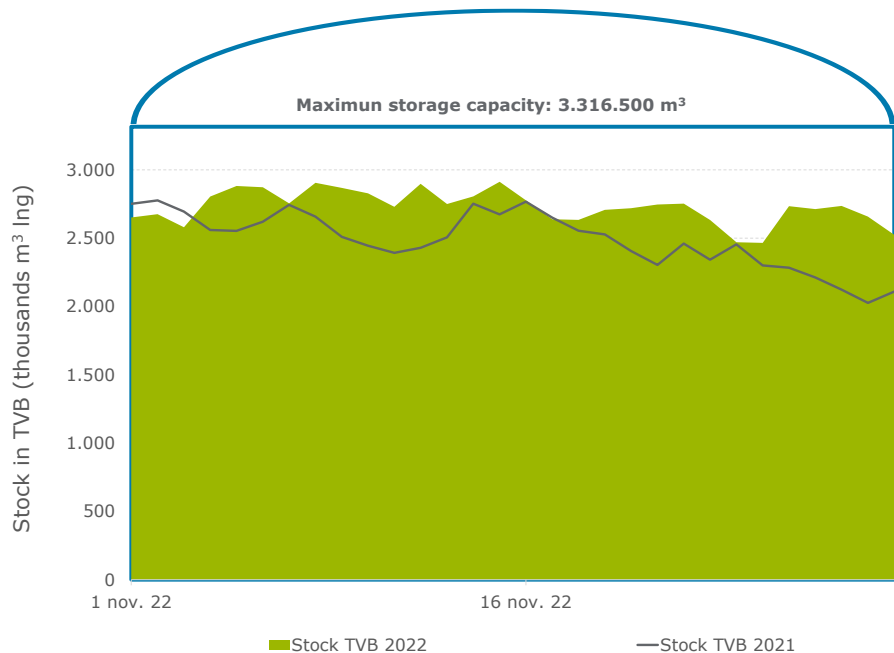


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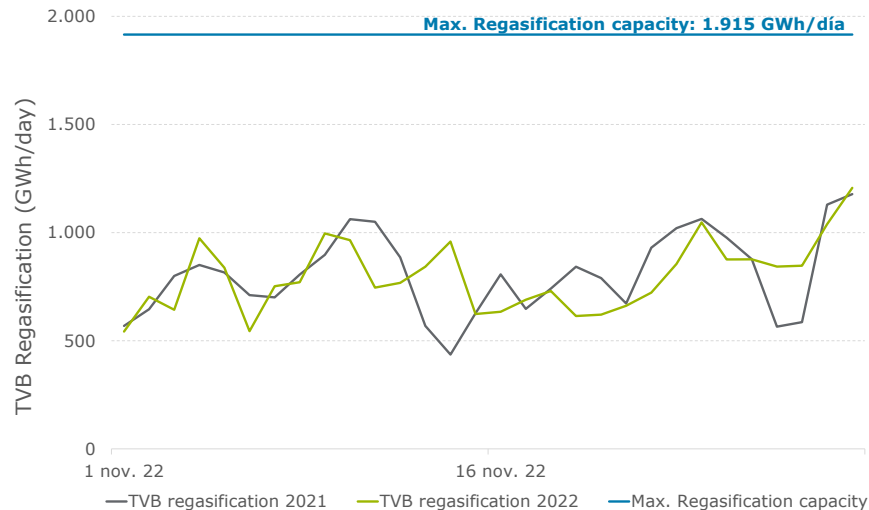
3. Renewable gases
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4. TVB activity

TVB stock evolution



Regasification in TVB



November 2022

GWh/month

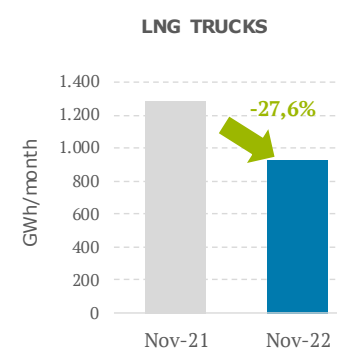
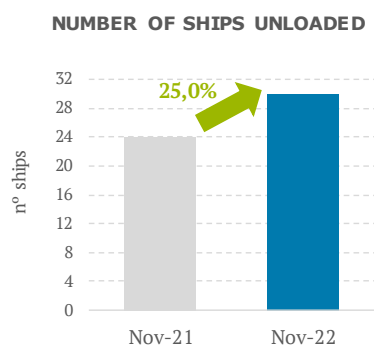
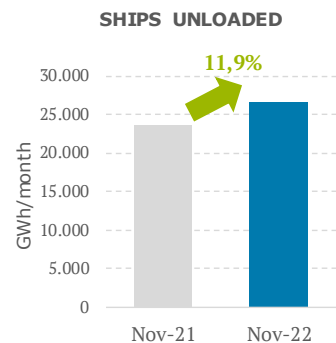
Total regasification capacity	57.450
Contracted regasification capacity	27.759
Available regasification capacity	29.691
Commercial regasification	23.097



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5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Nov-2022	Nov-2021	%Δ s/2021	Nov-2022	Nov-2021	%Δ s/2021	Nov-2022	Nov-2021	%Δ s/2021	Nov-2022	Nov-2021	%Δ s/2021
BARCELONA	3.462	4.222	-18,0%	4	5	-20,0%	449	398	12,8%	214	306	-30,1%
HUELVA	7.286	5.021	45,1%	8	5	60,0%	20	41	-51,7%	199	259	-23,3%
CARTAGENA	4.458	4.614	-3,4%	5	5	0,0%	1.198	2	-	175	286	-39,0%
BILBAO	4.419	5.466	-19,2%	5	5	0,0%	0	0	-	91	107	-15,3%
SAGUNTO	4.836	2.236	>100%	5	2	>100%	167	1.104	-84,9%	141	180	-21,7%
MUGARDOS	2.106	2.186	-3,7%	3	2	50,0%	158	0	-	113	148	-23,6%
Total	26.566	23.744	11,9%	30	24	25,0%	1.992	1.545	29%	932	1.286	-27,6%

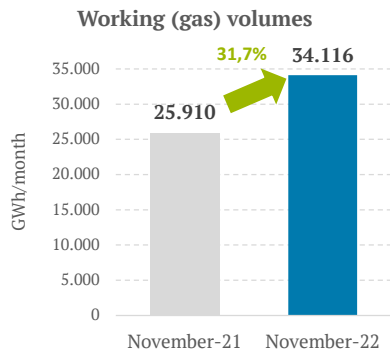
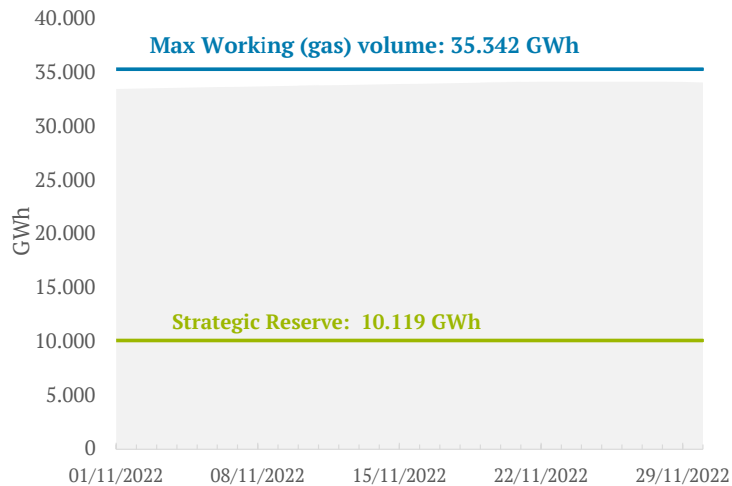




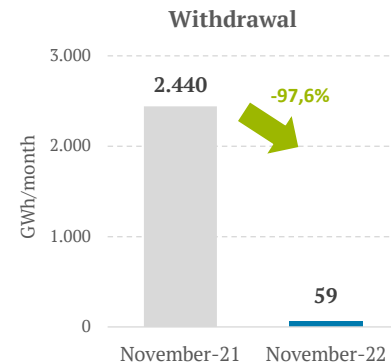
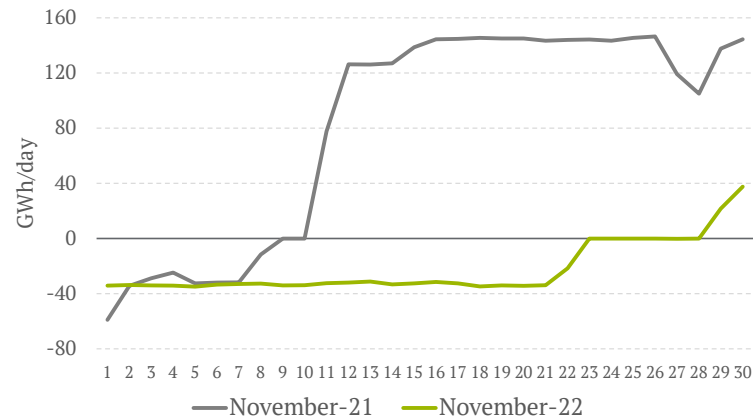
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6. UGS activity

Working gas evolution



Daily injection





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

7. Operating notes and other relevant facts

Operating notes:

- ❑ In **November 2022**, the continuation and finalization of the Operation note published in October has been published.
 - ❖ Operation note n°4: Declaration of Exceptional Operating Situation Level 0. High stocks levels in regasification plant tanks.

Relevant facts:

- ❑ No relevant fact has been published this month



Thank You

