

Statistical bulletin

October 2022

AVANCE

Technical Management of the System

GTS_DEMANDA@enagas.es

November-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

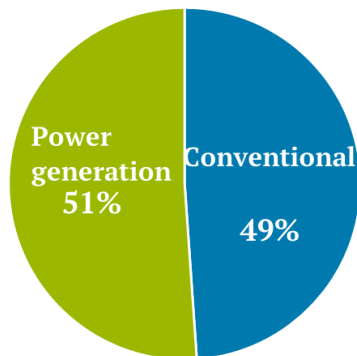
6. Underground Storage activity

7. Operating notes and other relevant facts

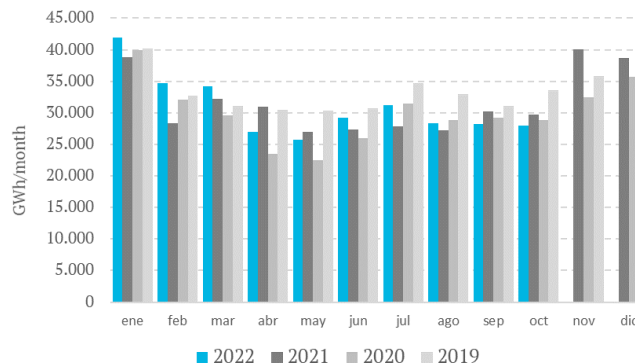
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Oct-2022	%Δ s/2021	Jan-Oct 2022	%Δ s/2021	MAT: November 2021-October 2022	%Δ MAT vs 2021
National Market demand	28.038	-5,5%	308.437	2,9%	387.195	2,3%
Conventional	13.711	-34,1%	188.701	-18,8%	244.395	-15,2%
Power generation	14.327	61,6%	119.735	77,8%	142.801	58,0%
International Market demand	6.960	>100%	51.037	60,0%	55.073	53,3%
International connections exports	2.816	70,3%	32.100	85,8%	33.585	79,0%
LNG Vessel loading	4.143	>100%	18.937	29,6%	21.488	25,2%
TOTAL	34.997	10,0%	359.473	8,4%	442.268	6,7%

National market demand October 2022

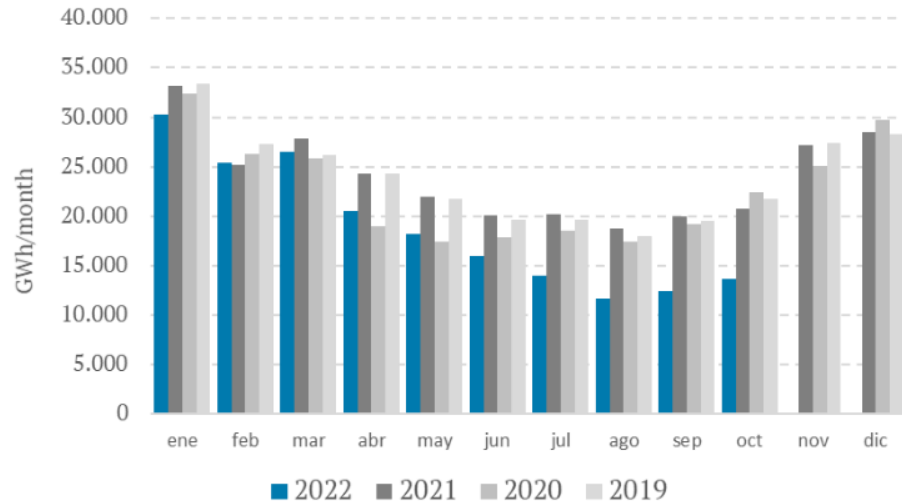


Total Demand

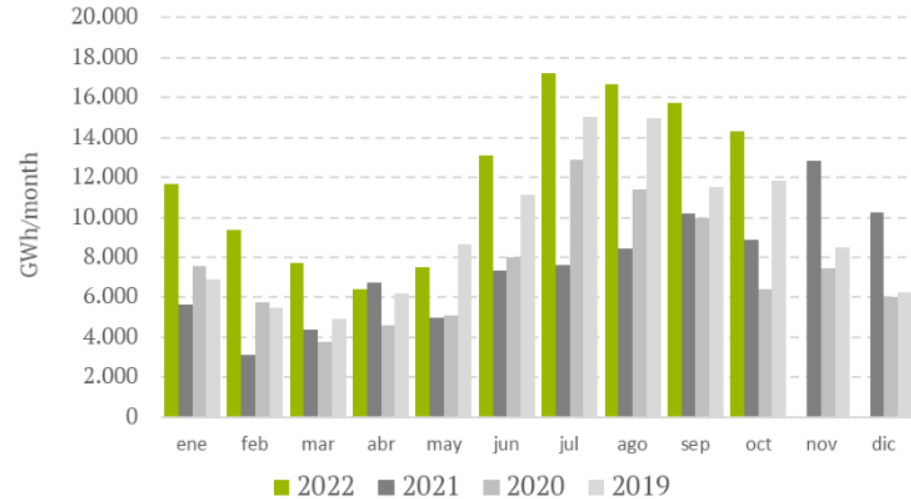


1. Evolution of gas demand

Conventional Demand



Power Generation



1.1 Evolution of gas demand. Conventional

Demand

 Conventional market

-34%

Less than the previous year

Temperatures

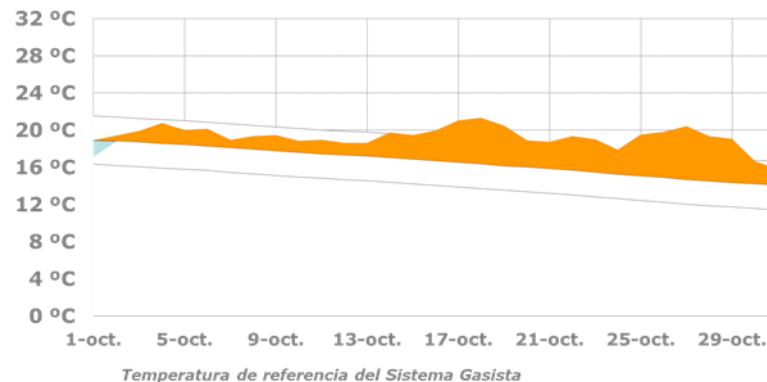


+2,9°C

More than the previous year

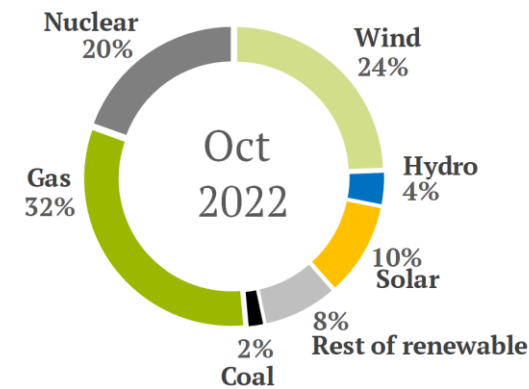
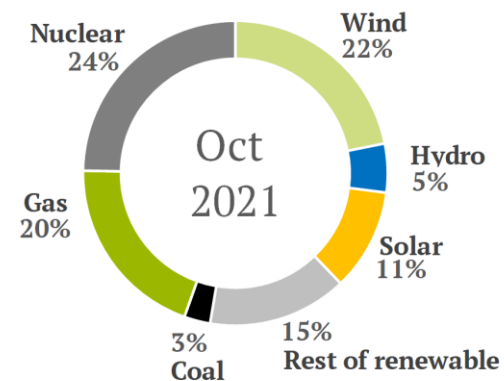
Demand	Conventional demand		Accumulated		MAT	
	Oct 2022 (*)		Jan-Oct 2022		Nov 2021-Oct 2022	
	GWh	%22 s/21	GWh	%22 s/21	GWh	% TAM s/21
	13.711	-34,1%	188.701	-18,8%	244.395	-15,2%
Calendar		0,0%		-0,2%		0,0%
Temperature		-4,0%		-1,1%		-0,9%
Amended demand		-30,1%		-17,5%		-14,3%

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

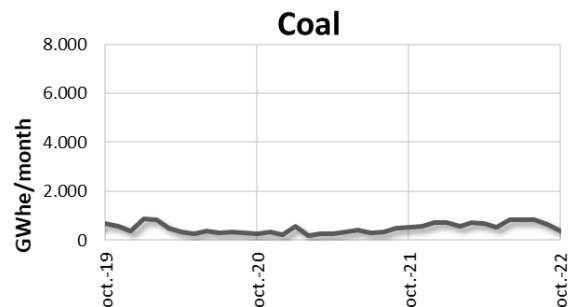
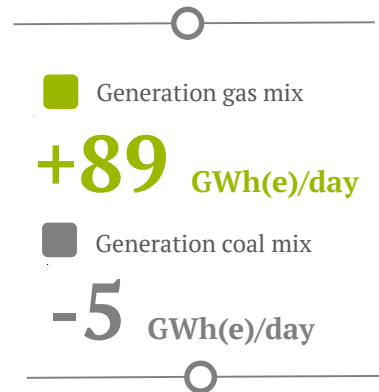
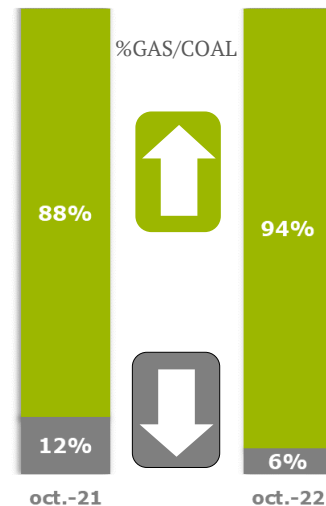
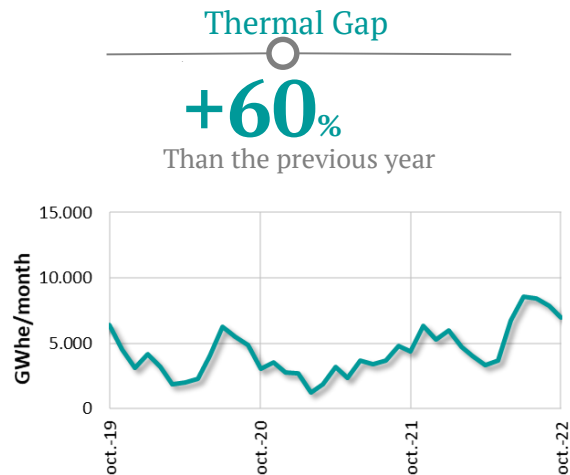


1.2 Power generation– electricity generation mix

TWh (e)	Oct 2021	Oct 2022
Power generation	19,1	18,3
Wind	4,2	5,0
Hydraulic	1,0	0,8
Solar	2,1	2,1
Rest of renewable	2,8	1,7
Cogeneration	2,2	1,1
Others	0,7	0,6
Thermal Gap	4,3	7,0
Coal	0,5	0,4
Gas	3,8	6,6
% gas in TG	88%	94%
Nuclear	4,8	4,0
International balances	0,0	-2,1
	import	export



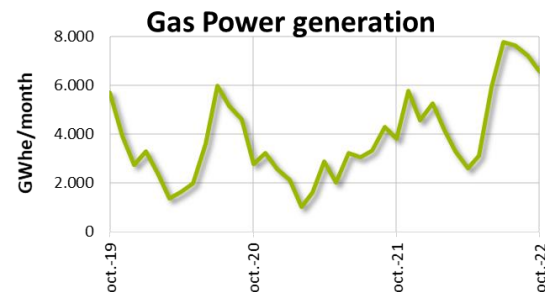
1.2 Power generation – Thermal Gap evolution



-0,1 TWh/month(e)



+28% vs oct-21



+2,8 TWh/month(e)

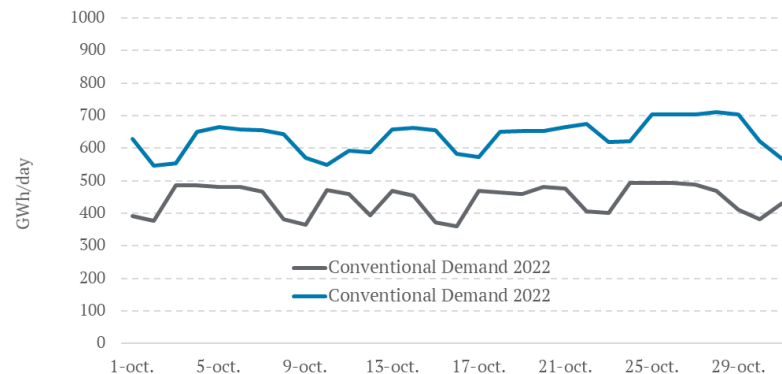


+72% vs oct-21

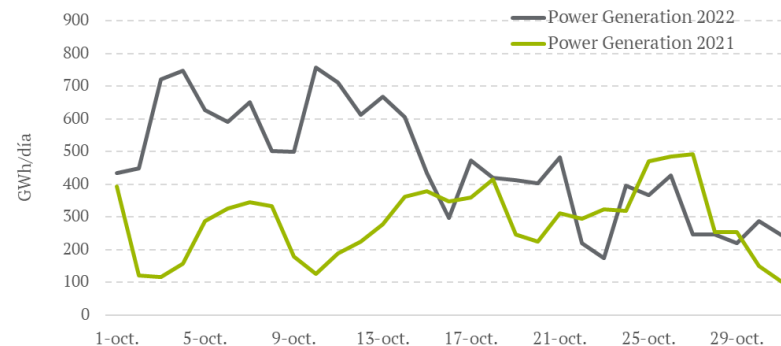
1.3 Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION	
	Oct-2022	%D s/Oct 2021	Oct-2022	%D s/Oct 2021
CATALUÑA	2.533	-34,0%	1.850	77,6%
ANDALUCIA	1.506	-31,2%	3.719	110,3%
VALENCIA	1.891	-31,9%	1.197	67,0%
PAIS_VASCO	1.048	-36,3%	1.480	74,8%
MURCIA	489	-60,6%	1.600	127,2%
CASTILLA_LEON	1.017	-38,2%		
ARAGON	788	-40,6%	325	42,3%
GALICIA	633	-31,1%	1.114	47,4%
CASTILLA_MANCHA	613	-27,4%	310	33,3%
MADRID	966	-27,8%		
ASTURIAS	329	-38,8%	839	35,7%
NAVARRA	506	-24,3%	746	-23,6%
CANTABRIA	321	3,9%		
LA_RIOJA	58	-54,0%	340	156,8%
EXTREMADURA	151	-17,6%		
BALEARES	80	-7,4%	807	-4,3%

Daily evolution Conventional Demand



Daily evolution Power Generation

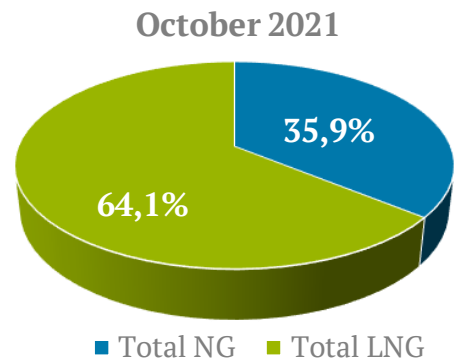
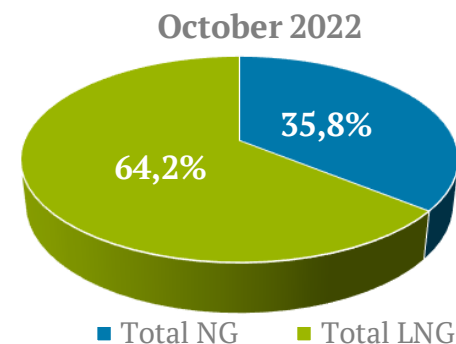




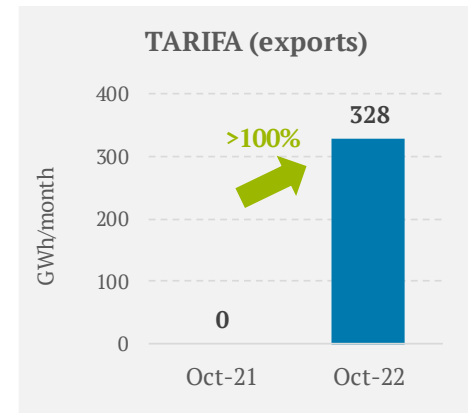
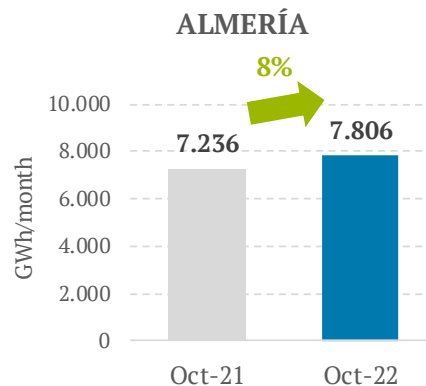
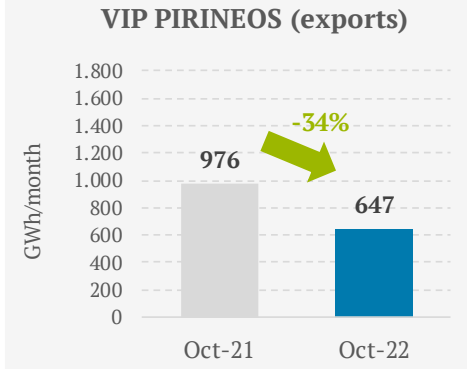
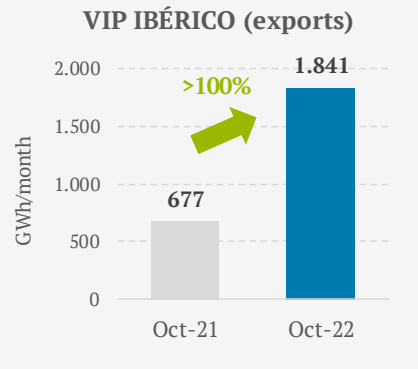
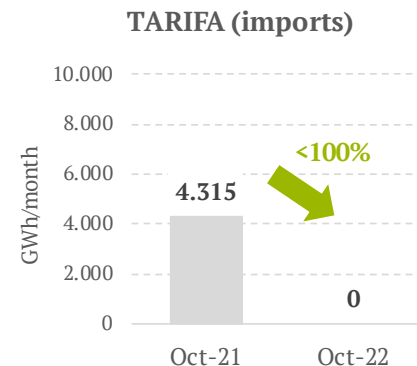
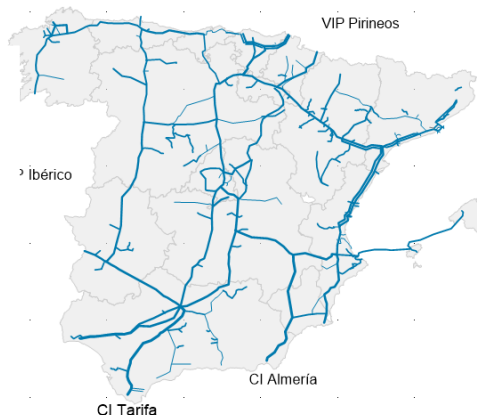
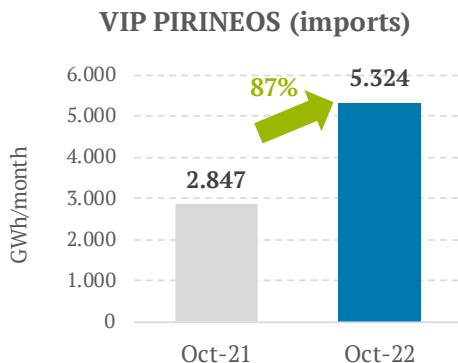
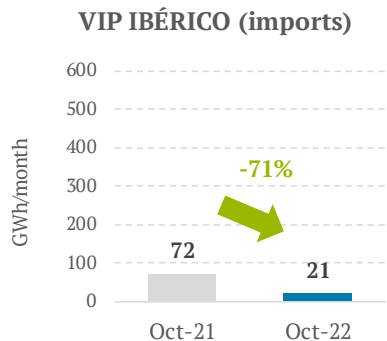
1. Evolution of gas demand
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2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant facts

2.1 Demand coverage: Origin of supplies

Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)		
		Oct-2022	% s TOTAL	Oct-2021	Jan-Oct 2022	% s TOTAL	MAT: November 2021-October 2022	% s TOTAL
Algeria	NG	7.806	21,2%	11.551	84.952	24,2%	101.344	25,1%
	LNG	0		2.417	5.447		11.168	
France	NG	5.324	14,4%	2.847	20.175	5,7%	28.204	6,8%
	LNG	0		0	1.068		2.127	
Angola	LNG	0	0,0%	0	3.103	0,8%	7.230	1,6%
Cameroon	LNG	0	0,0%	0	2.143	0,6%	2.143	0,5%
United States	LNG	6.346	17,2%	10.172	109.040	29,2%	125.821	28,0%
Equatorial Guinea	LNG	2.021	5,5%	0	5.943	1,6%	6.833	1,5%
Nigeria	LNG	5.684	15,4%	6.108	54.390	14,6%	64.974	14,5%
Peru	LNG	0	0,0%	865	1.080	0,3%	1.080	0,2%
Qatar	LNG	1.763	4,8%	2.733	11.623	3,1%	14.278	3,2%
Russia	LNG	4.328	11,7%	2.561	42.453	11,4%	50.252	11,2%
Trinidad	LNG	972	2,6%	0	9.851	2,6%	9.851	2,2%
Oman	LNG	979	2,7%	0	3.864	1,0%	3.864	0,9%
Belgium	LNG	0	0,0%	0	1.094	0,3%	1.094	0,2%
Egypt	LNG	976	2,6%	1.084	11.200	3,0%	11.200	2,5%
Portugal	NG	21	0,1%	72	3.623	1,0%	4.140	0,9%
Papua New Guinea	NG	0	0,0%	0	0	0,0%	0	0,0%
Spain	NG	0	0,0%	0	0	0,0%	0	0,0%
Australia	NG	0	0,0%	0	0	0,0%	842	0,2%
South Korea	NG	0	0,0%	0	167	0,0%	167	0,0%
Indonesia	NG	0	0,0%	0	474	0,1%	474	0,1%
National deposits	NG	42	0,1%	28	263	0,1%	314	0,1%
National Biogas	NG	12	0,0%	2	108	0,0%	127	0,0%
TOTAL		36.894	100%	40.439	373.617	100%	449.085	100%



2.1 Demand coverage : Interconnection Points



(*) Datos de repartos del SL-ATR

2.1 Demand coverage : Interconnection Points

Saldos Netos

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Oct-2022	Oct-2021	%Δ s/2021	Jan-Oct 2022	%Δ s/2021	MAT: November 2021- October 2022	%Δ MAT vs 2021
Tarifa	-328	4.315	<100%	-802	<100%	-802	-101,2%
Almería	7.806	7.236	7,9%	84.952	17,5%	101.344	14,3%
VIP Ibérico	-1.820	-605	>100%	-689	-32,3%	-1.096	>100%
VIP Pirineos	4.677	1.870	>100%	-6.812	<100%	658	-96,2%
National Deposits	42	28	47,5%	263	-21,1%	314	-18,3%
Biogas	12	2	>100%	108	35,6%	127	28,5%
Total	10.390	12.846	-19,1%	77.021	-47,7%	100.545	-41,1%

+ Entradas a la red de transporte

- Salidas de la red de transporte

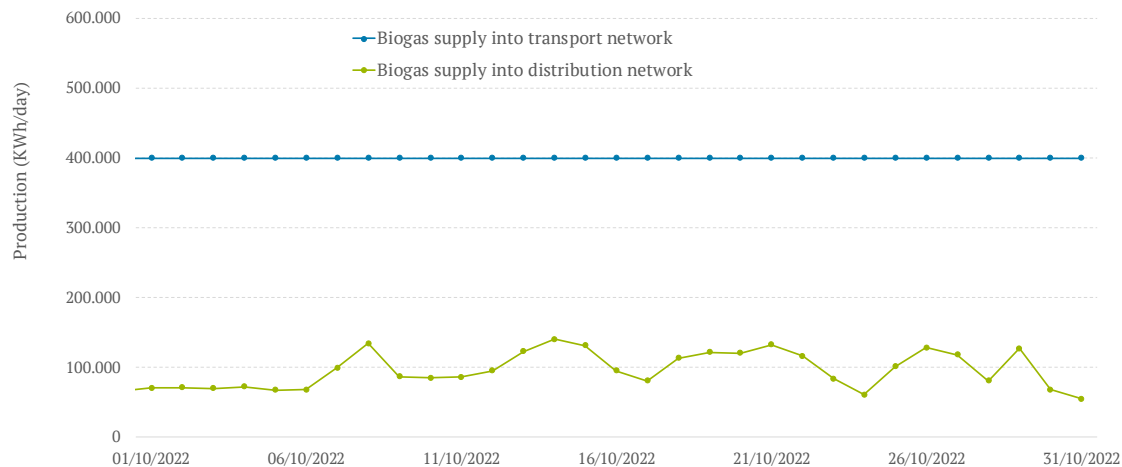


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3. Renewable gases

BIOGAS production into Transport and Distribution Network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Oct-2022	Oct-2022	%Δ s/2021	Jan-Oct 2022	%Δ s/2021	MAT: November 2021-October 2022	%Δ s/2021
BIOGAS injected into transport network	12,4	1,9	557,0%	107,6	35,6%	127,3	28,5%
BIOGAS injected into distribution network	3,0	1,5	>100%	32,6	>100%	36,4	>100%
Total	15,4	3,4	353,7%	140,2	72,2%	163,7	56,0%



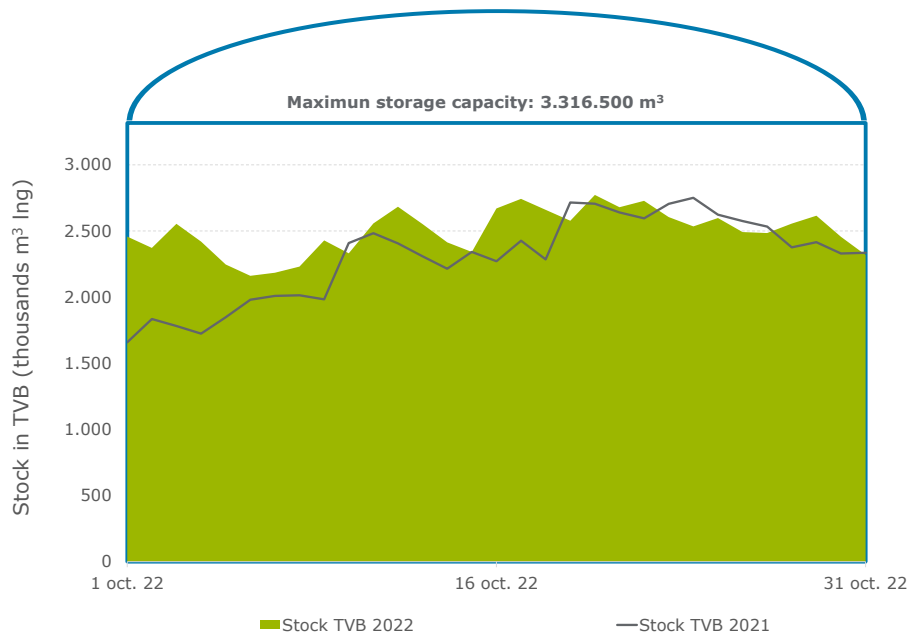
(*) Datos de repartos del SL-ATR



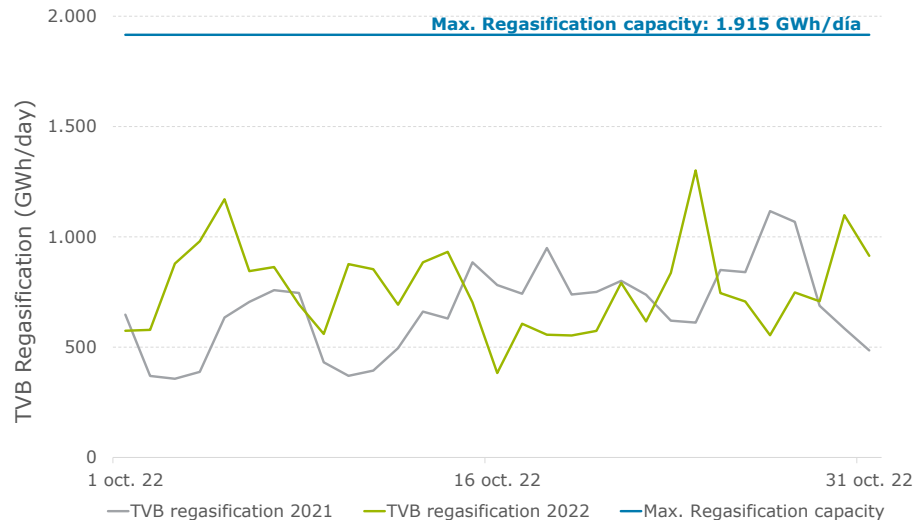
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4. TVB activity

TVB stock evolution



Regasification in TVB



October 2022

GWh/month

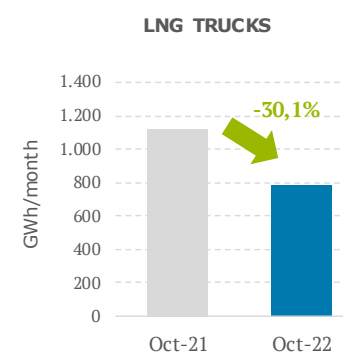
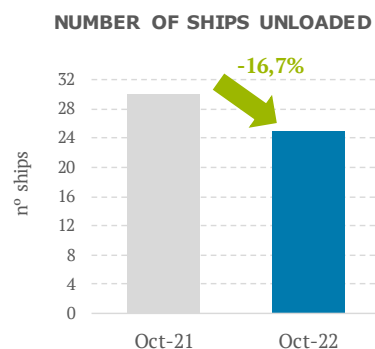
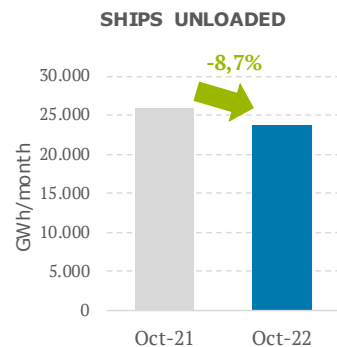
Total regasification capacity	59.365
Contracted regasification capacity	24.503
Available regasification capacity	34.862
Commercial regasification	18.842



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5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Oct-2022	Oct-2021	%Δ s/2021	Oct-2022	Oct-2021	%Δ s/2021	Oct-2022	Oct-2021	%Δ s/2021	Oct-2022	Oct-2021	%Δ s/2021
BARCELONA	2.683	5.812	-53,8%	3	7	-57,1%	963	27	>100%	186	288	-35,3%
HUELVA	3.649	4.336	-15,8%	4	4	0,0%	1.122	63	>100%	164	218	-24,7%
CARTAGENA	4.720	2.317	>100%	5	3	66,7%	436	402	-	142	244	-41,7%
BILBAO	6.250	4.167	50,0%	6	5	20,0%	0	0	-	87	97	-10,3%
SAGUNTO	4.257	7.328	-41,9%	5	9	-44,4%	1.511	2	>100%	127	158	-19,3%
MUGARDOS	2.129	1.980	7,5%	2	2	0,0%	112	0	-	75	114	-33,8%
Total	23.688	25.939	-8,7%	25	30	-16,7%	4.143	493	>100%	782	1.118	-30,1%

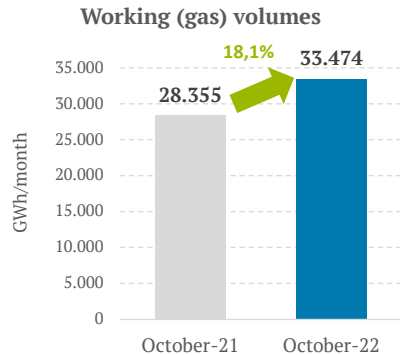
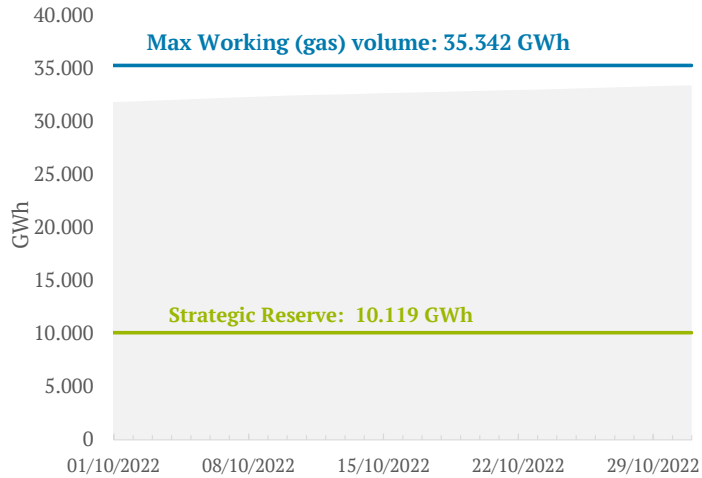




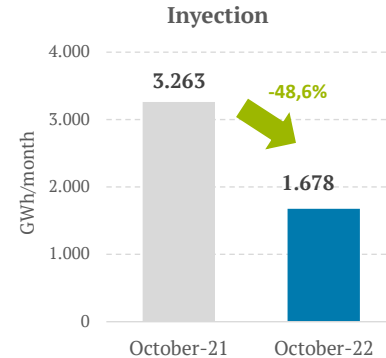
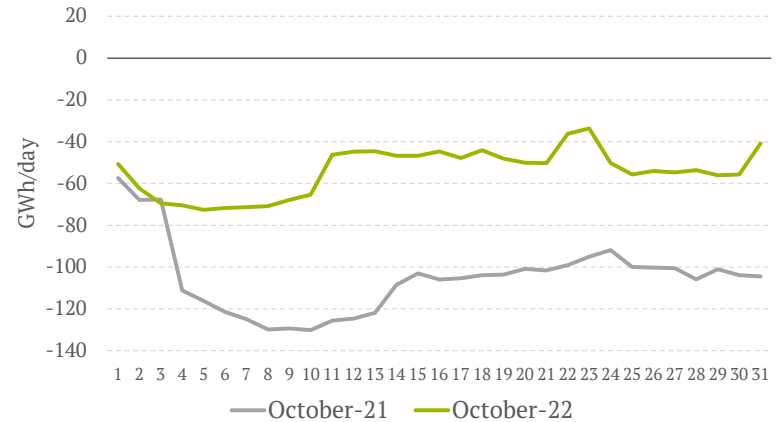
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6. UGS activity

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 **October 2022**, **one** Operation note 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



Muchas
gracias

