

ADVANCE



Statistical bulletin

October 2021

Technical Management of the System

GTS_DEMANDA@enagas.es

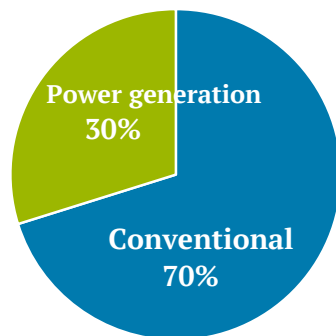
Content

- 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

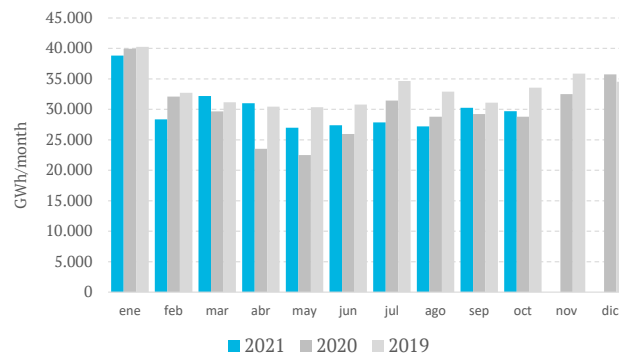
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Oct-2021	%Δ s/2020	Jan-Oct 2021	%Δ s/2020	MAT: Nov 2020-Oct 2021	%Δ MAT vs 2020
National Market demand	29.683	3,1%	299.762	2,7%	367.995	2,2%
Conventional	20.829	-6,9%	232.466	7,4%	287.234	5,9%
Power generation	8.853	38,0%	67.296	-10,8%	80.761	-9,1%
International Market demand	2.147	-15,7%	31.888	195,1%	34.070	162,3%
International connections exports	1.654	-34,2%	17.276	>100%	19.214	60,1%
LNG Vessel loading	493	>100%	14.612	>100%	14.856	>100%
TOTAL	31.829	1,6%	331.651	9,6%	402.066	7,8%

National market demand October 2021

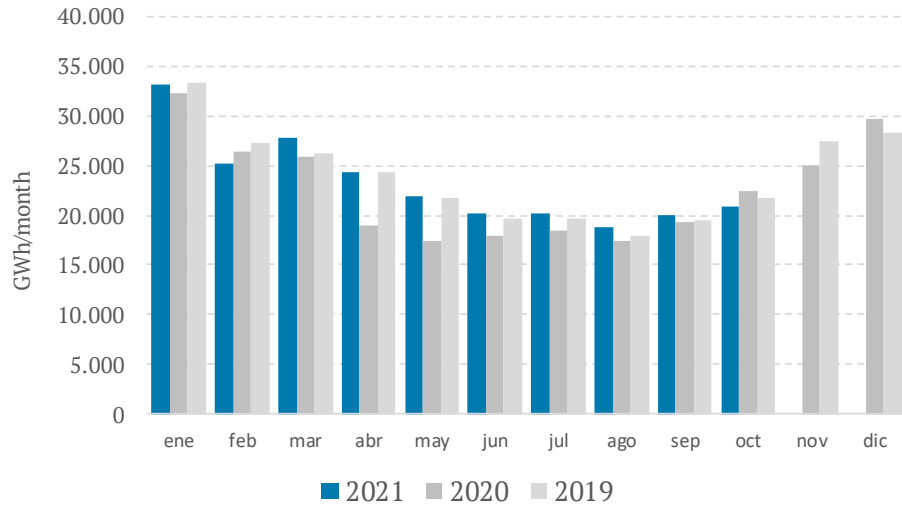


Total Demand

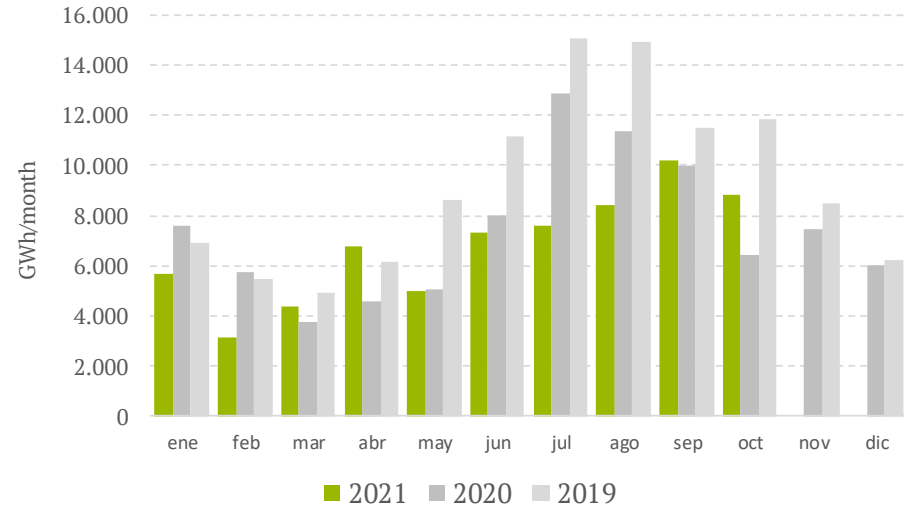


1. Evolution of gas demand

Conventional Demand



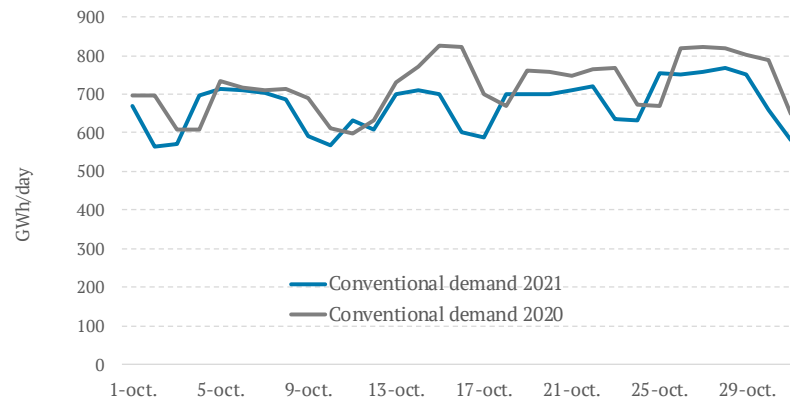
Power Generation



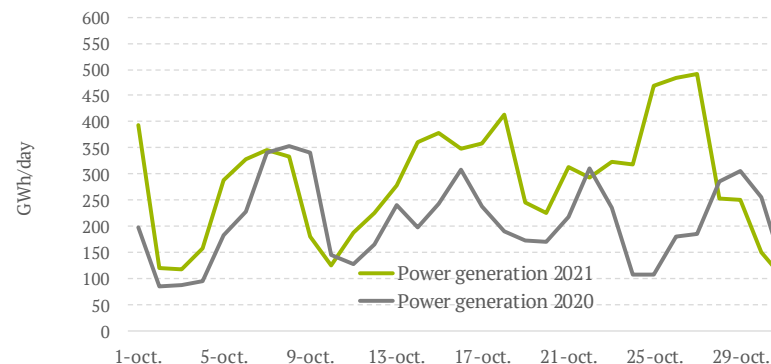
1. Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION	
	Oct-2021	%Δ s/Oct 2020	Oct-2021	%Δ s/Oct 2020
CATALUÑA	3.903	2,5%	1.040	-15,9%
ANDALUCIA	2.203	-10,7%	1.766	48,2%
VALENCIA	2.780	6,8%	716	14,1%
PAIS_VASCO	1.646	-11,1%	846	>100%
MURCIA	1.249	-7,1%	703	-19,5%
CASTILLA_LEON	1.642	-9,8%	0	
ARAGON	1.309	1,0%	228	25,8%
GALICIA	912	-10,2%	755	87,5%
CASTILLA_MANCHA	809	-25,9%	232	-16,8%
MADRID	1.342	-24,6%	0	
ASTURIAS	537	-10,2%	618	37,6%
NAVARRA	670	-11,2%	974	>100%
CANTABRIA	312	-25,1%	0	
LA_RIOJA	129	-12,5%	132	-40,5%
EXTREMADURA	184	10,0%	0	
BALEARES	87	94,6%	842	127,6%

Conventional demand daily evolution



Power generation daily evolution



1.1 Conventional demand

Demand




Conventional market

-6,9%




Less than the previous year

Temperatures



+1,6°C

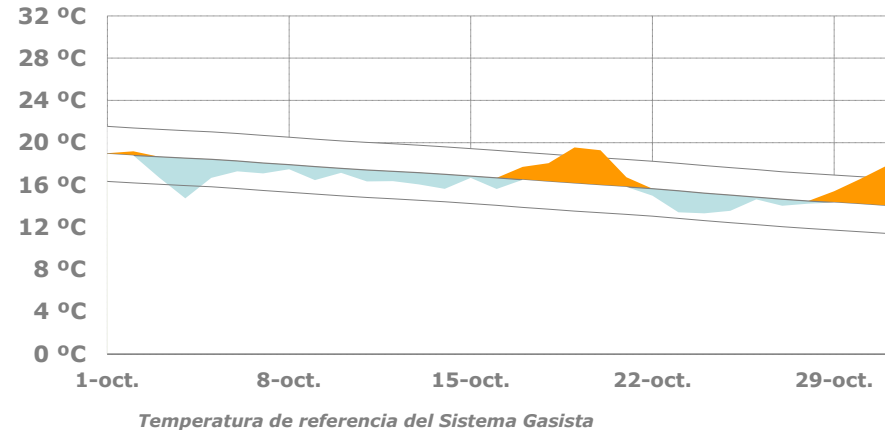


More than the previous year

Calendar and temperature correction

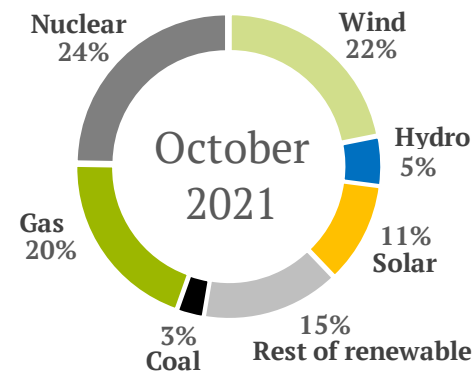
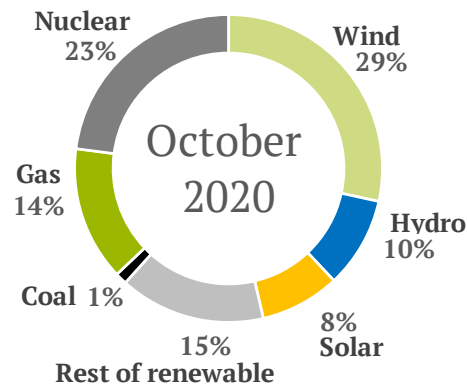
	Conventional demand		Accumulated		MAT	
	Oct 2021 (*)		Oct 2021		Nov 2020-Oct 2021	
Demand	GWh	%21 s/20	GWh	%21 s/20	GWh	% TAM s/20
	20.829	-6,9%	232.466	7,4%	287.234	5,6%
Calendar		-2,6%		-0,6%		-0,4%
Temperature		-5,3%		1,4%		0,9%
Amended demand		1,0%		6,6%		5,1%

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



1.2 Power generation– electricity generation mix

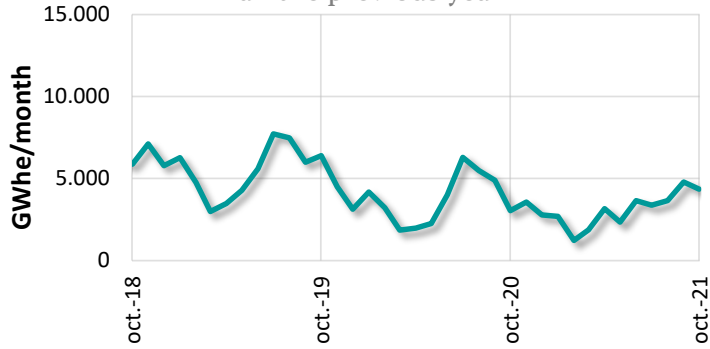
TWh (e)	October 2020	October 2021
Power generation	19,6	19,1
Wind	5,6	4,2
Hydraulic	1,9	1,0
Solar	1,7	2,1
Rest of renewable	3,0	2,8
Cogeneration	2,4	2,2
Others	0,6	0,7
Thermal Gap	3,0	4,3
Coal	0,2	0,5
Gas	2,8	3,8
% gas in TG	92%	88%
Nuclear	4,5	4,8
International balances	0,1	0,04
	import	import



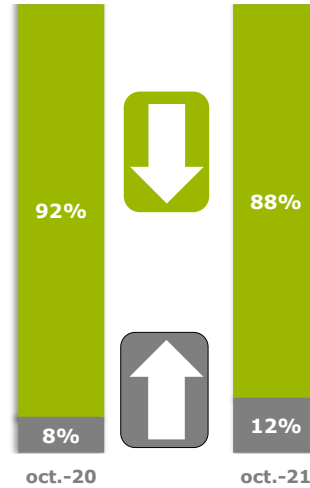
1.2 Power generation – Thermal Gap evolution

Thermal Gap
+43,1%

Than the previous year



%GAS/COAL



■ Generation gas mix

+32,9 GWh(e)/day

■ Generation coal mix

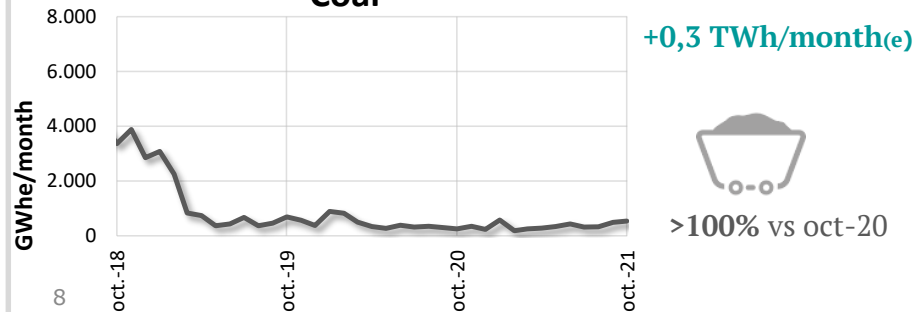
+9,3 GWh(e)/day

Coal

+0,3 TWh/month(e)



>100% vs oct-20

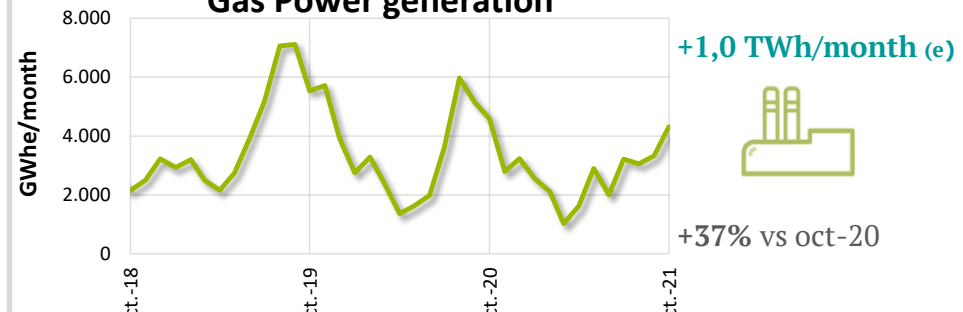


Gas Power generation

+1,0 TWh/month (e)



+37% vs oct-20



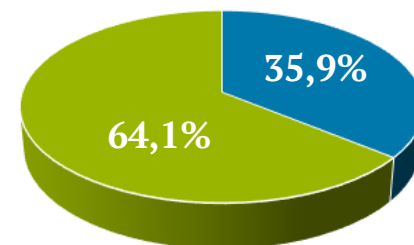
Content

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

2.1 Demand coverage: Origin of supplies

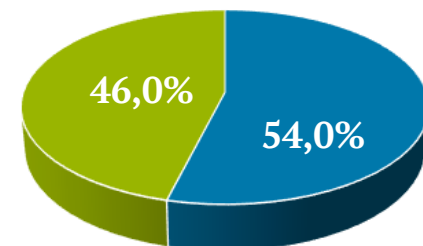
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)	
		Oct-2021	Oct-2020	Jan-Oct 2021	% s TOTAL	MAT: Nov 2020-Oct 2021	% s TOTAL
Algeria	NG	11.551	14.755	138.174	45,7%	165.382	45,5%
	LNG	2.417	496	17.704		19.197	
France	NG	2.847	725	22.892	6,7%	29.136	7,2%
	LNG	0	0	0		0	
Angola	LNG	0	0	0	0,0%	0	0,0%
Cameroon	LNG	0	0	0	0,0%	0	0,0%
United States	LNG	10.172	4.495	42.181	12,4%	49.318	12,1%
Equatorial Guinea	LNG	0	866	8.000	2,3%	9.970	2,5%
Nigeria	LNG	6.108	2.680	37.106	10,9%	48.015	11,8%
Norway	LNG	0	0	0	0,0%	0	0,0%
Peru	LNG	865	0	865	0,3%	865	0,2%
Qatar	LNG	2.733	880	23.514	6,9%	25.269	6,2%
Russia	LNG	2.561	3.066	29.229	8,6%	35.189	8,7%
Trinidad	LNG	0	777	13.123	3,8%	14.845	3,7%
Oman	LNG	0	0	0	0,0%	0	0,0%
Belgium	LNG	0	0	0	0,0%	0	0,0%
Argentina	LNG	0	0	0	0,0%	0	0,0%
Egypt	LNG	1.084	0	3.906	1,1%	3.906	1,0%
Portugal	NG	72	0	3.043	0,9%	3.405	0,8%
Papua New Guinea	NG	0	0	168	0,0%	168	0,0%
Spain	NG	0	0	926	0,3%	926	0,2%
National deposits	NG	24	49	312	0,1%	386	0,1%
National Biogas	NG	2	7	79	0,0%	99	0,0%
TOTAL		40.435	28.796	341.222	100%	406.075	100%

October 2021



■ Total NG ■ Total LNG

October 2020

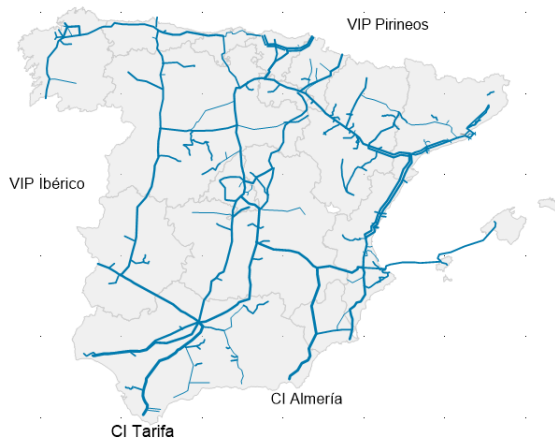
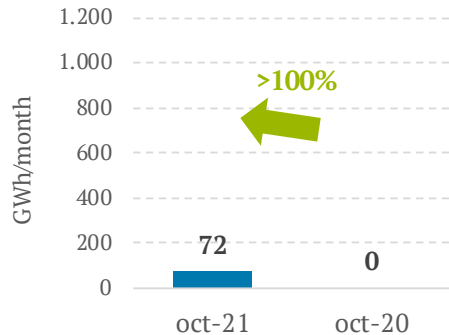


■ Total NG ■ Total LNG

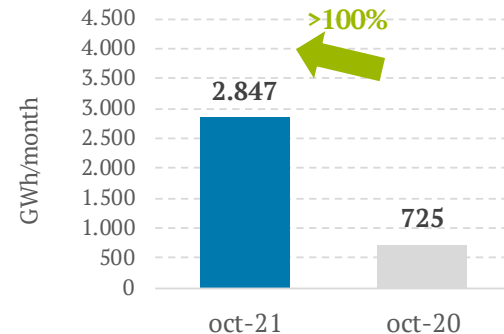
(*) SL-ATR distribution data

2.2 Demand coverage : Interconnection Points

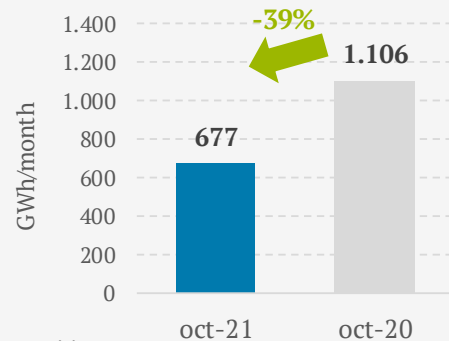
VIP IBÉRICO (imports)



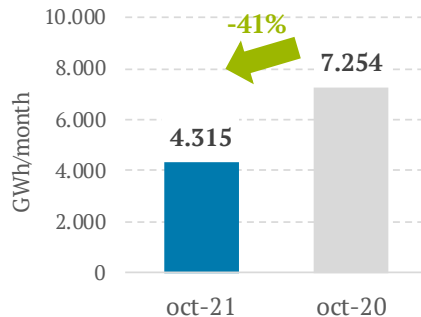
VIP PIRINEOS (imports)



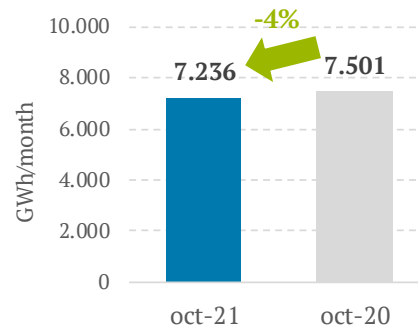
VIP IBÉRICO (exports)



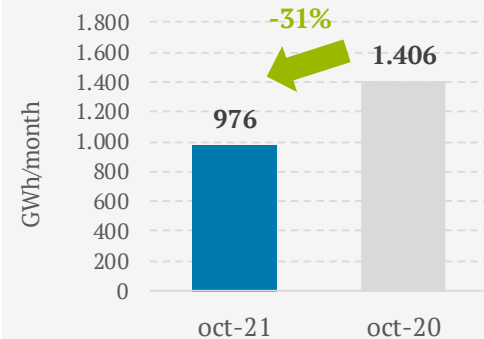
TARIFA



ALMERÍA



VIP PIRINEOS (exports)



2.2 Demand coverage : Interconnection Points

Net Balances (*)

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Oct-2021	Oct-2020	%Δ s/2020	Jan-Oct 2021	%Δ s/2020	MAT: Nov 2020-Oct 2021	%Δ MAT vs 2020
Tarifa	4.315	7.254	-40,5%	65.877	>100%	79.196	94,2%
Almería	7.236	7.501	-3,5%	72.296	57,3%	86.186	44,0%
VIP Ibérico	-605	-1.106	-45,3%	-1.018	-71,9%	-1.851	-58,5%
VIP Pirineos	1.870	-681	>100%	9.677	-57,2%	15.177	-46,0%
National Deposits	24	49	-50,1%	312	-20,1%	386	-16,9%
Biogas	2	7	-72,5%	79	-4,2%	99	-3,4%
Total	12.843	13.024	-1,4%	147.224	58,5%	179.193	43,5%

(+) Entry flows (-) Exit flows

(*) SL-ATR distribution data

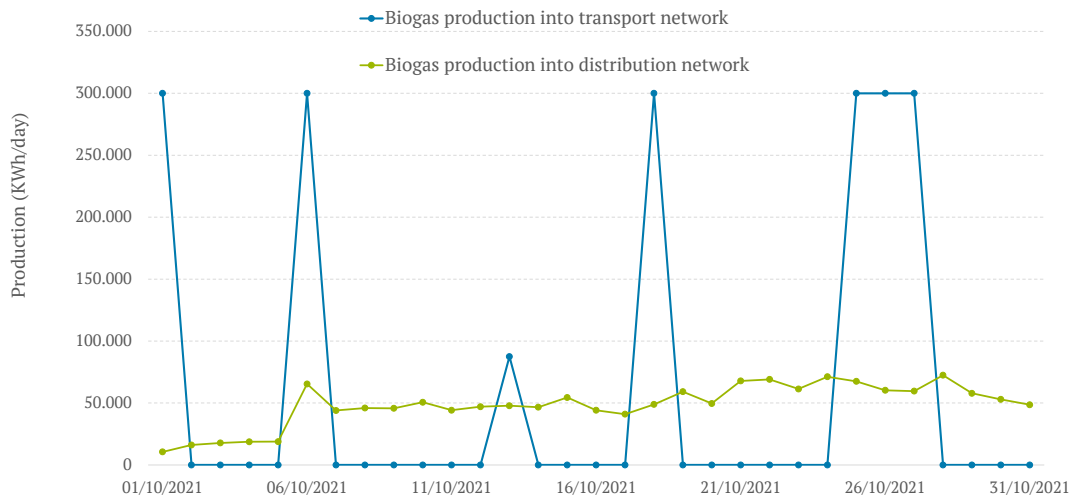
Content

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

3. Renewable gases

BIOGÁS production for transport and distribution network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Oct-2021	Oct-2020	%Δ s/2020	Jan-Oct 2021	%Δ s/2020	MAT: Nov 2020-Oct 2021	%Δ s/2020
BIOGÁS injected into transport network	1,9	6,9	-72,5%	79,4	-4,2%	99,3	-3,4%
BIOGÁS injected into distribution network	1,5	0,04	>100%	2,1	42,7%	2,1	42,7%
Total	3,4	6,9	-50,8%	81,5	-3,3%	101,4	-2,7%



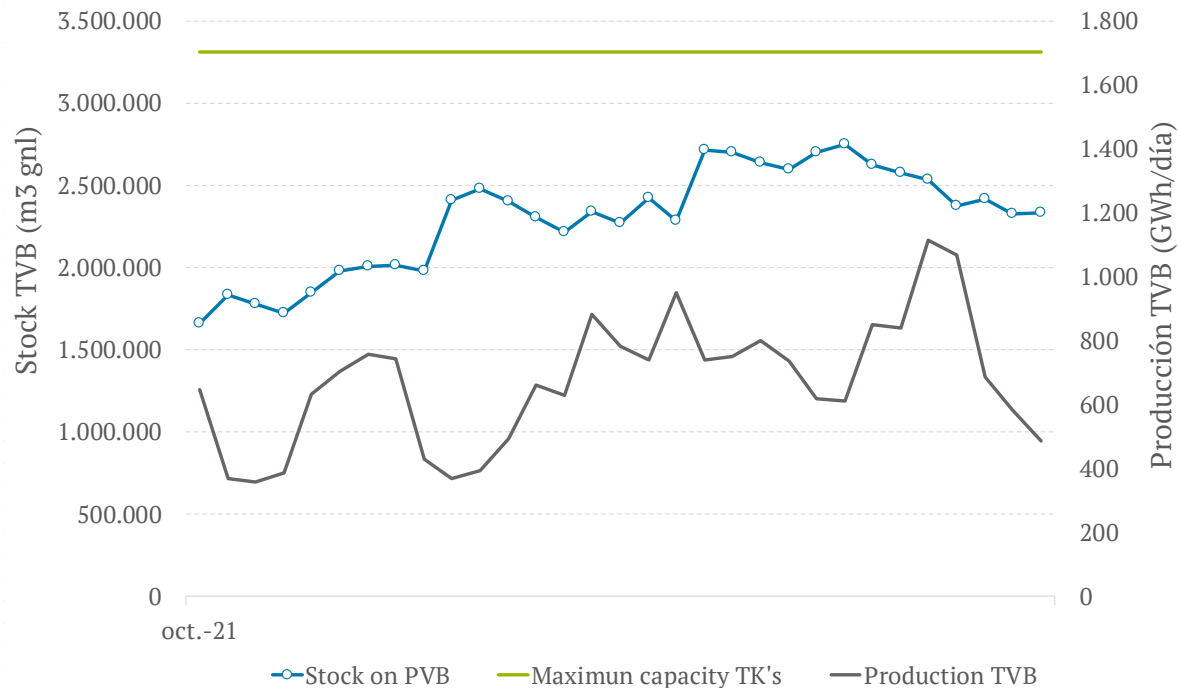
(*) SL-ATR distribution data

Content

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

4. TVB activity

TVB Stock evolution and TVB production



October 2021

GWh/month

Total capacity	59.365
Contracted capacity TVB	18.996
Available capacity	40.369
Commercial regasification	16.873

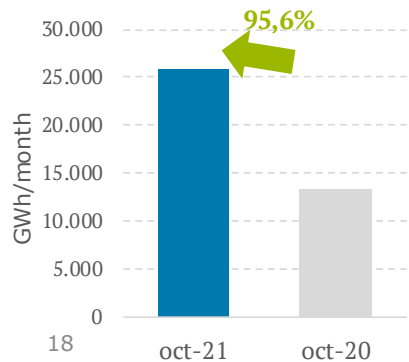
Content

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

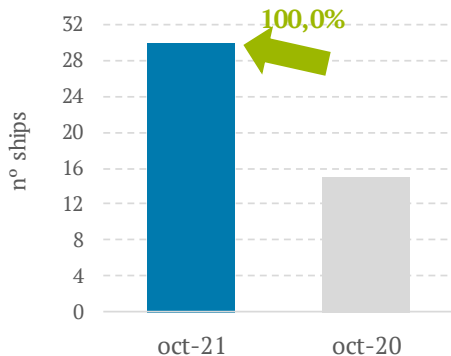
5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Oct-2021	Oct-2020	%Δ s/2020	Oct-2021	Oct-2020	%Δ s/2020	Oct-2021	Oct-2020	%Δ s/2020	Oct-2021	Oct-2020	%Δ s/2020
BARCELONA	5.812	880	>100%	7	1	>100%	27	34	-21,1%	288	288	-0,1%
HUELVA	4.336	4.080	6,3%	4	5	-20,0%	63	0	>100%	218	251	-13,0%
CARTAGENA	2.317	2.755	-15,9%	3	3	-	402	0	>100%	244	237	2,9%
BILBAO	4.167	3.059	36,2%	5	3	66,7%	0	0	-	97	110	-12,1%
SAGUNTO	7.328	496	>100%	9	1	>100%	2	0	>100%	158	179	-11,6%
MUGARDOS	1.980	1.989	-0,5%	2	2	-	0	0	-	114	113	0,8%
Total	25.939	13.260	95,6%	30	15	100,0%	493	34	>100%	1.118	1.177	-5,0%

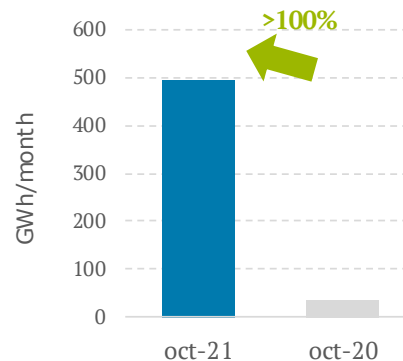
SHIPS UNLOADED



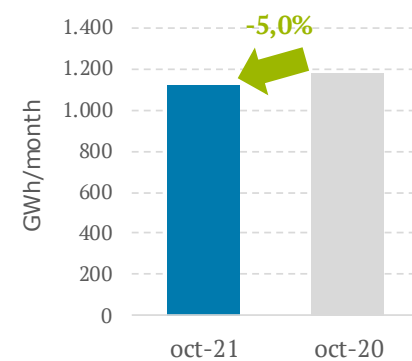
NUMBER OF SHIPS UNLOADED



SHIPS LOADED



LNG TRUCKS



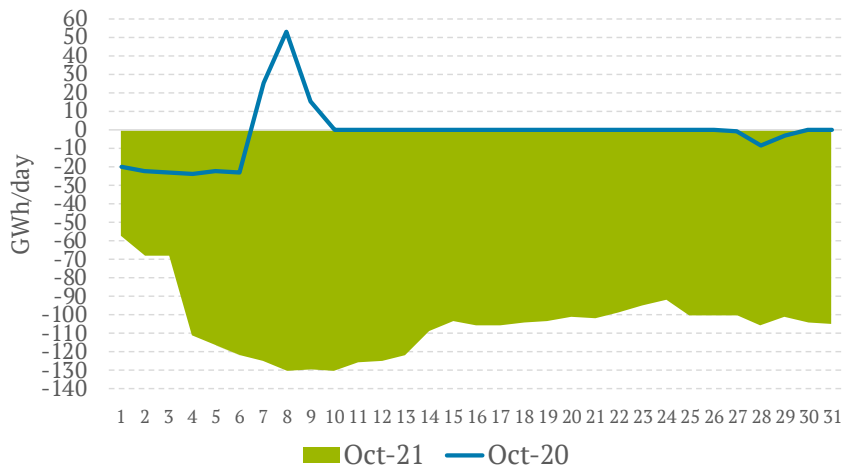
(*) SL-ATR distribution data

Content

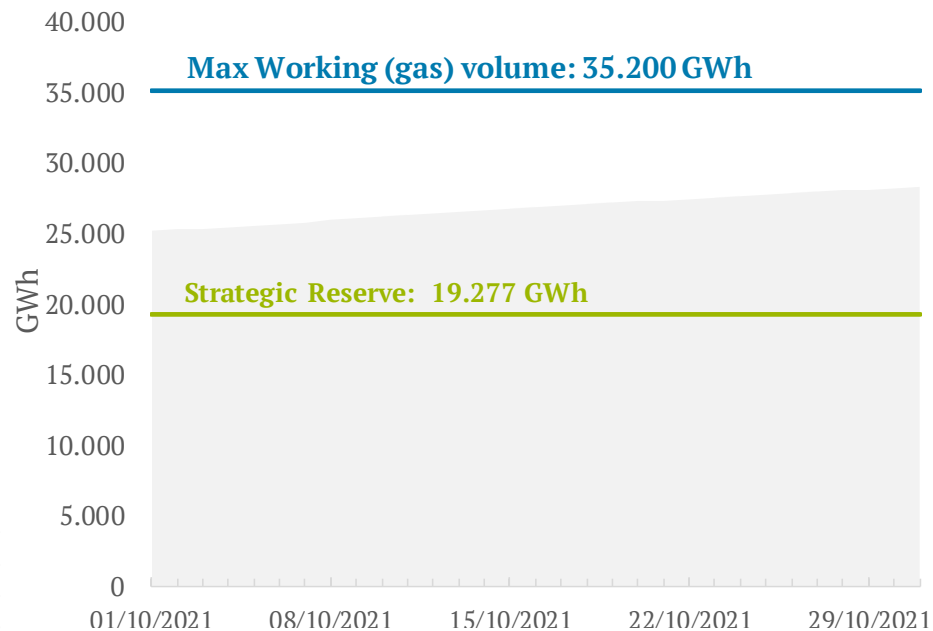
1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. Demand coverage
 1. Origin of supplies
 2. Interconnection Points
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
- 6. Underground Storage activity**
7. Operating notes and other relevant facts

6. UGS Activity

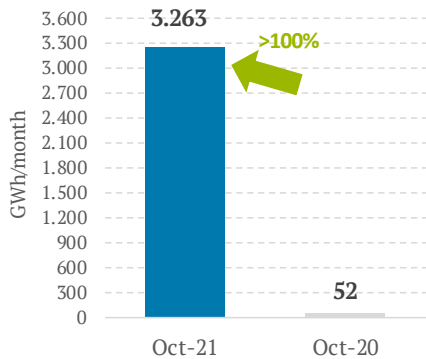
Daily injection October 2021 vs October 2020



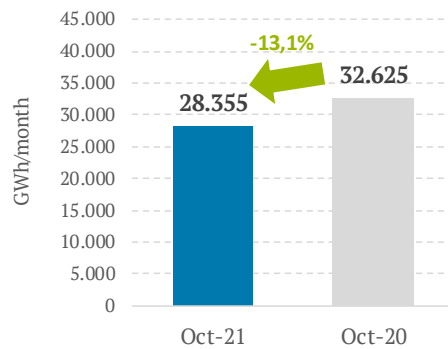
Working (gas) evolution



Injection



Working (gas) volumes



(*) SL-ATR distribution data

Content

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**

7. Operating notes and other relevant facts

Operating notes:

In October 2021, **no Operation notes** has been published

Relevant facts:

- No relevant facts have been produced this month

Gas system operation and programming Operation notes

The operating notes are available on this page



https://www.enagas.es/enagas/es/Gestion_Tecnica_Sistema/Operacion_del_Sistema_Gasista/Notas_de_operacion

Thank you

