

# Statistical bulletin

Novembrer 2021

**AVANCE**

Technical Management of the System

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

December-21





## 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

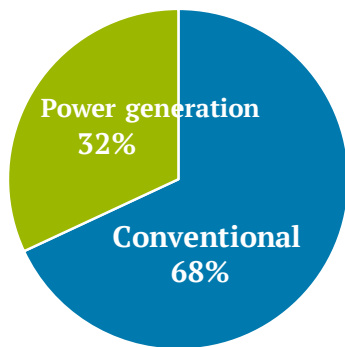
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

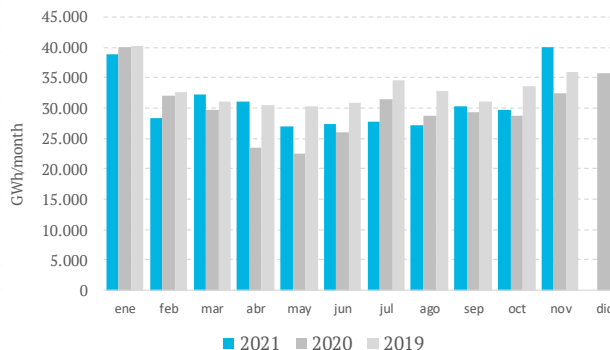
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Nov-2021	%Δ s/2020	Jan-Nov 2021	%Δ s/2020	MAT: Dic 2020-Nov 2021	%Δ MAT vs 2020
<b>National Market demand</b>	<b>40.009</b>	<b>23,1%</b>	<b>339.789</b>	<b>4,7%</b>	<b>375.525</b>	<b>4,3%</b>
Conventional	27.229	8,6%	259.700	7,5%	289.399	6,7%
Power generation	12.780	72,1%	80.088	-3,3%	86.126	-3,1%
<b>International Market demand</b>	<b>2.134</b>	<b>44,1%</b>	<b>34.022</b>	<b>176,9%</b>	<b>34.724</b>	<b>167,3%</b>
International conexions exports	589	-53,6%	17.865	57,6%	18.534	54,4%
LNG Vessel loading	1.545	>100%	16.157	>100%	16.189	>100%
<b>TOTAL</b>	<b>42.143</b>	<b>24,0%</b>	<b>373.811</b>	<b>11,0%</b>	<b>410.249</b>	<b>10,0%</b>

National market demand November 2021

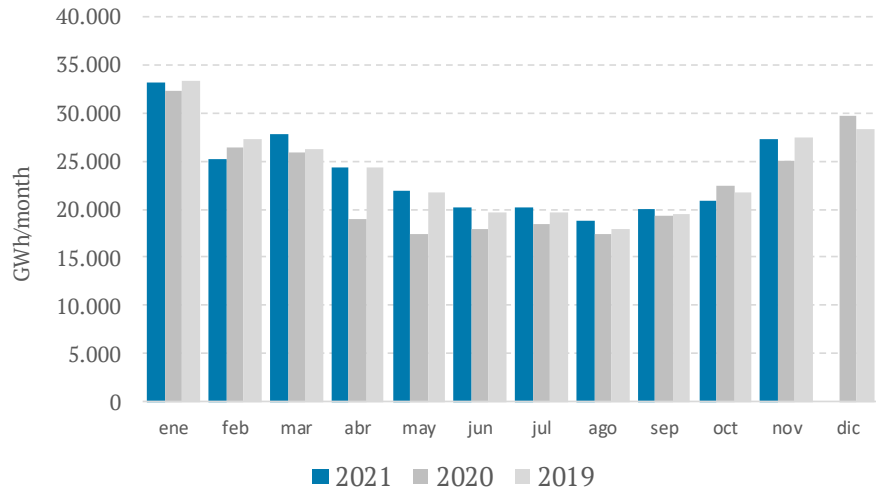


Total Demand

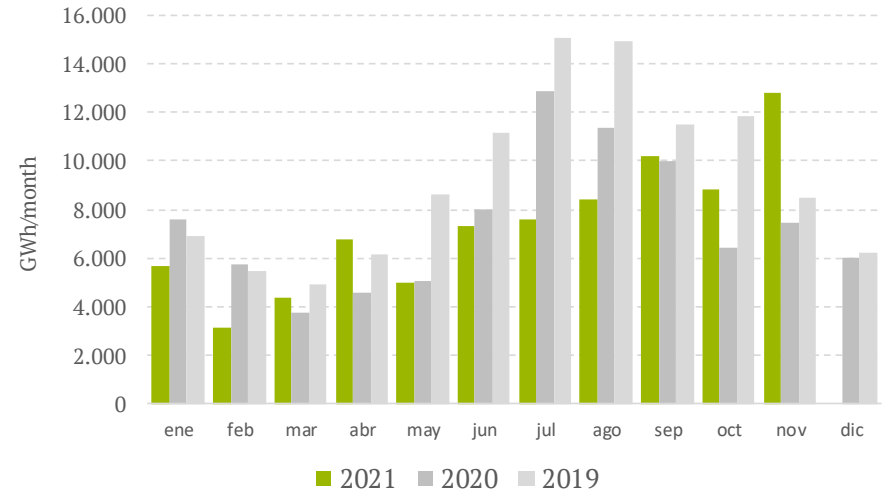


# 1. Evolution of gas demand

## Conventional Demand



## Power Generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**+8,6%**

More than the previous year

Temperatures

**-2,3°C**

Less than the previous year

## Corrección laboralidad y temperatura

Conventional demand

Accumulated

MAT

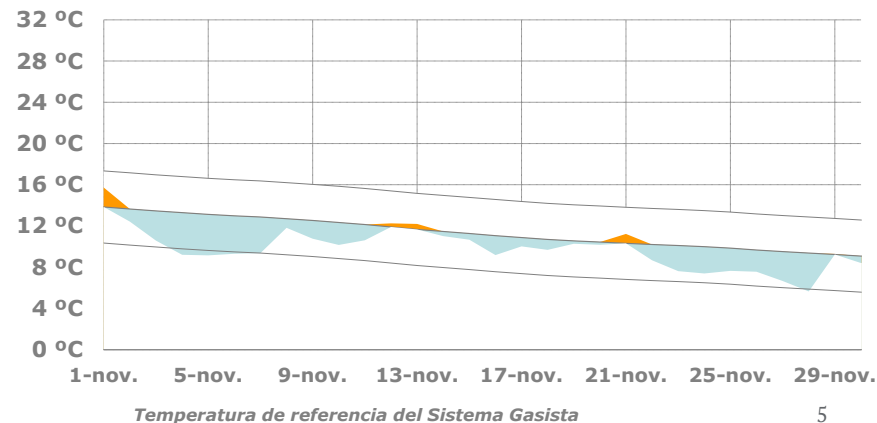
Nov 2021 (\*)

Nov 2021

Dic 2020-Nov 2021

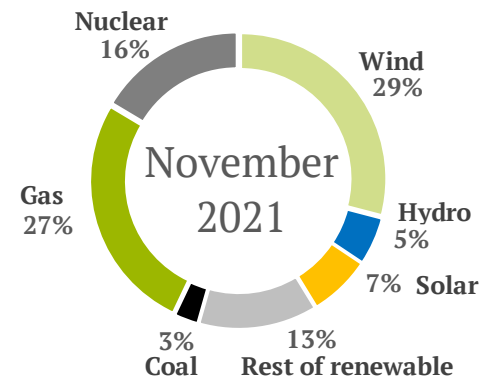
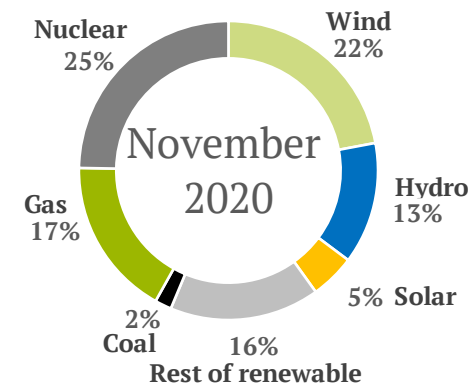
Demand	Nov 2021 (*)		Nov 2021		Dic 2020-Nov 2021	
	GWh	%21 s/20	GWh	%21 s/20	GWh	% TAM s/20
	27.229	8,6%	259.700	7,5%	289.399	6,7%
Calendar		5,0%		0,0%		4,5%
Temperature		7,6%		2,0%		1,8%
Amended demand		-4,0%		5,5%		0,4%

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

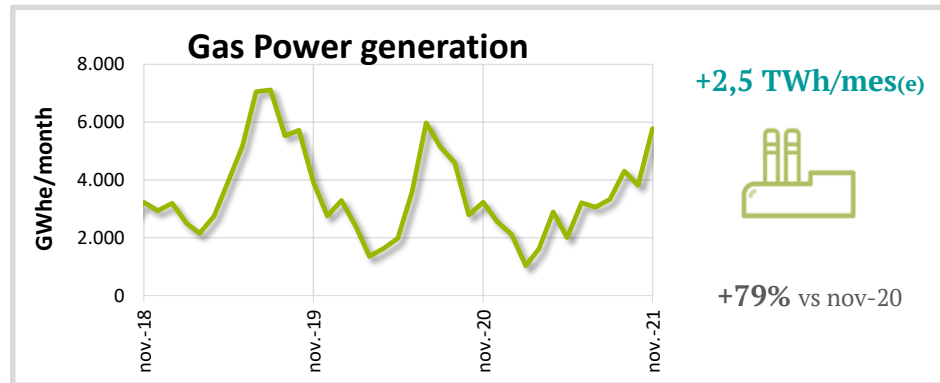
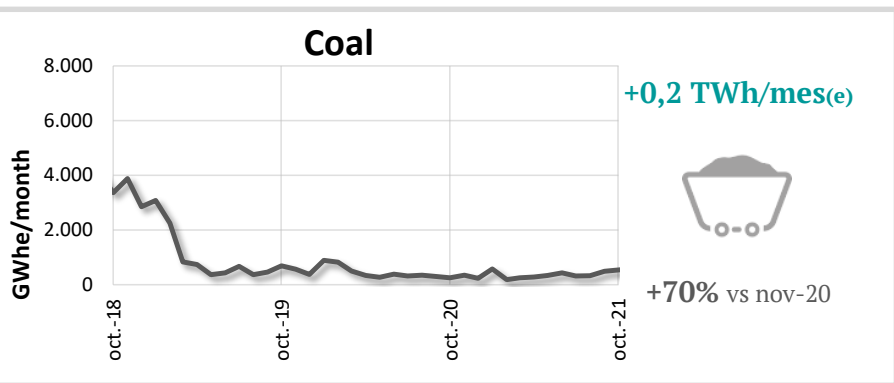
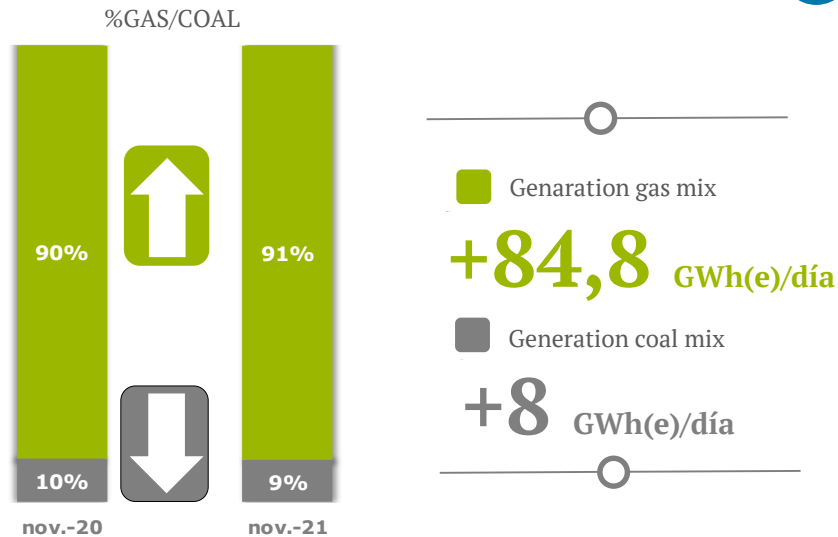
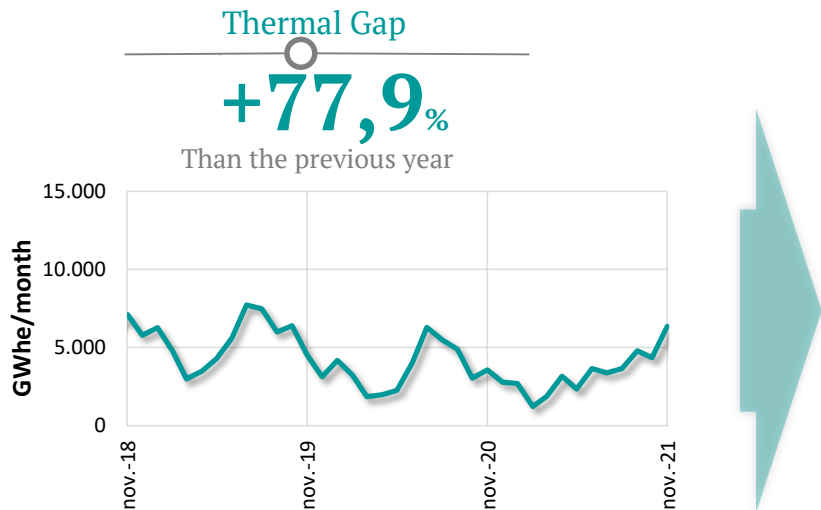


# 1.2 Power generation– electricity generation mix

TWh (e)	Nov 2020	Nov2021
<b>Demanda eléctrica</b>	<b>19,7</b>	<b>20,4</b>
<b>Eólica</b>	4,2	6,3
<b>Hidráulica</b>	2,5	1,2
<b>Solar</b>	0,9	1,5
<b>Resto renovables</b>	3,1	2,9
<b>Cogeneración</b>	2,4	2,2
<b>Otros</b>	0,7	0,7
<b>Hueco Térmico</b>	<b>3,6</b>	<b>6,4</b>
<b>Carbón</b>	0,3	0,6
<b>Gas</b>	3,2	5,8
<b>% gas en HT</b>	90%	91%
<b>Nuclear</b>	4,7	3,6
<b>Saldos internacionales</b>	<b>1,1</b>	<b>-1,3</b>
	importacion	exportacion

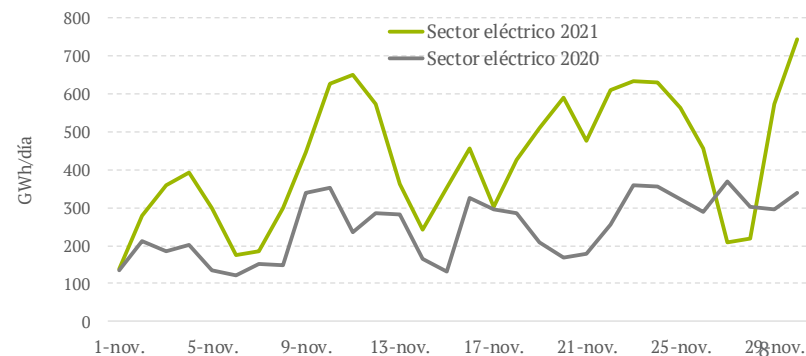
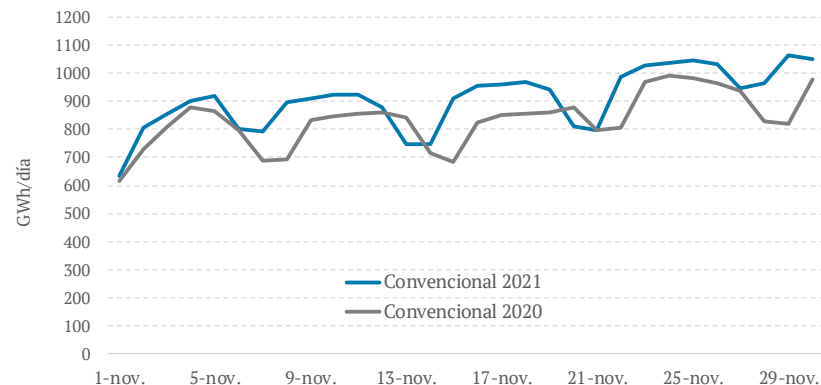


# 1.2 Power generation – Thermal Gap evolution



# 1.3 Evolution of CCAA gas demand

GWh	DEMANDA CONVENCIONAL (GE)		SECTOR ELÉCTRICO	
	Nov-2021	%Δ s/Nov 2020	Nov-2021	%Δ s/Nov 2020
CATALUÑA	5.015	14,3%	1.431	26,8%
ANDALUCIA	2.317	-0,8%	2.627	104,5%
VALENCIA	2.905	7,3%	1.157	36,5%
PAIS_VASCO	2.178	6,5%	1.045	>100%
MURCIA	1.295	-9,0%	1.590	64,3%
CASTILLA_LEON	2.371	13,7%	0	
ARAGON	1.626	7,8%	911	199,1%
GALICIA	1.071	-1,8%	620	47,0%
CASTILLA_MANCHA	1.172	3,6%	473	-20,5%
MADRID	3.421	21,4%	0	
ASTURIAS	680	1,3%	708	51,1%
NAVARRA	880	5,6%	1.186	>100%
CANTABRIA	485	18,4%	0	
LA RIOJA	229	14,6%	268	-6,2%
EXTREMADURA	211	21,3%	0	
BALEARES	88	55,9%	765	51,2%





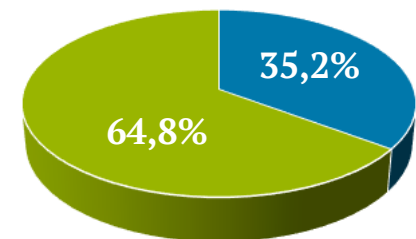


1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. **Demand coverage**
  1. **Origin of supplies**
  2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant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

## 2.1 Demand coverage: Origin of supplies

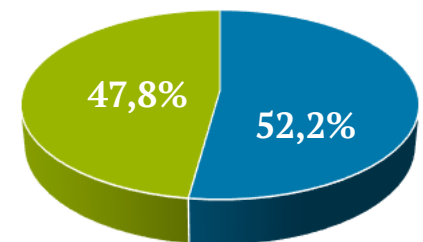
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)	
		Nov-2021	Nov-2020	Jan-Nov 2021	% s TOTAL	MAT: Dic 2020-Nov 2021	% s TOTAL
Algeria	NG	8.132	14.278	146.305	44,3%	159.236	43,9%
	LNG	3.364	998	21.068		21.563	
France	NG	4.374	1.861	27.267	7,5%	31.649	7,9%
	LNG	1.059	0	1.059		1.059	
Angola	LNG	2.131	0	2.131	0,6%	2.131	0,5%
Cameroon	LNG	0	0	0	0,0%	0	0,0%
United States	LNG	7.253	3.068	49.434	13,1%	53.504	13,0%
Equatorial Guinea	LNG	0	963	8.000	2,1%	9.008	2,2%
Nigeria	LNG	3.885	2.912	40.991	10,8%	48.989	11,9%
Norway	LNG	0	0	0	0,0%	0	0,0%
Peru	LNG	0	0	865	0,2%	865	0,2%
Qatar	LNG	1.779	876	25.292	6,7%	26.172	6,4%
Russia	LNG	3.604	4.332	32.832	8,7%	34.460	8,4%
Trinidad	LNG	0	1.721	13.123	3,5%	13.123	3,2%
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	0	0	3.906	1,0%	3.906	0,9%
Portugal	NG	330	44	3.373	0,9%	3.691	0,9%
Papua New Guinea	NG	0	0	168	0,0%	168	0,0%
Spain	NG	0	0	926	0,2%	926	0,2%
Australia	NG	670	0	670	0,2%	670	0,2%
National deposits	NG	23	31	335	0,1%	377	0,1%
National Biogas	NG	12	10	91	0,0%	101	0,0%
<b>TOTAL</b>		<b>36.615</b>	<b>31.092</b>	<b>377.837</b>	<b>100%</b>	<b>411.598</b>	<b>100%</b>

November 2021



■ Total NG ■ Total LNG

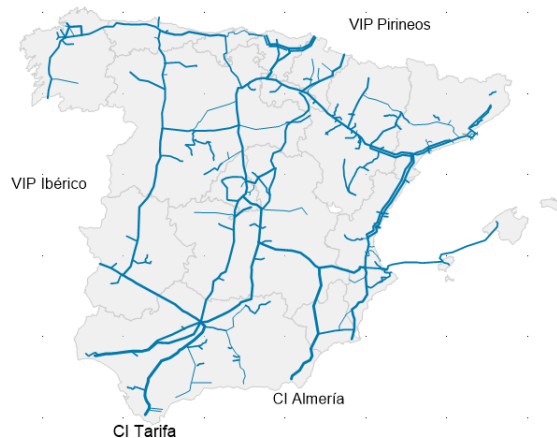
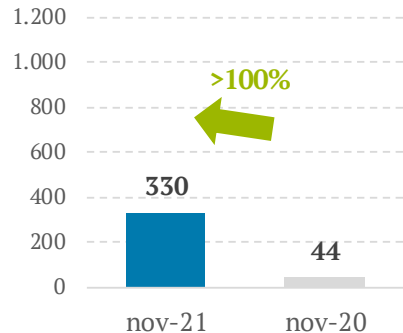
November 2020



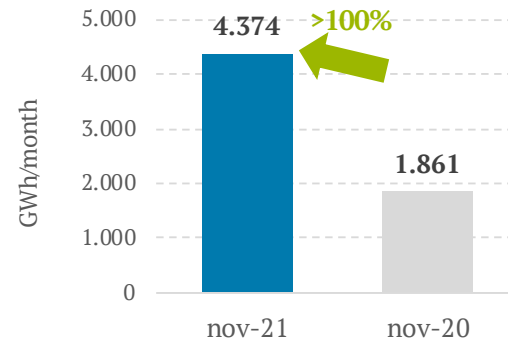
■ Total NG ■ Total LNG

# 2.1 Demand coverage : Interconnection Points

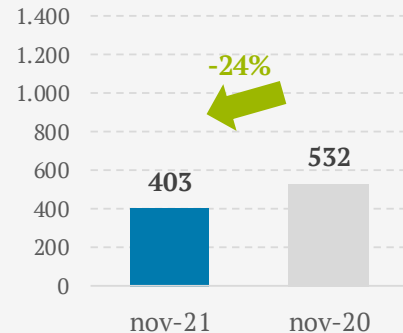
### VIP IBÉRICO (imports)



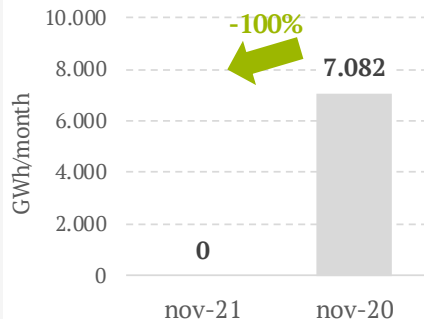
### VIP PIRINEOS (imports)



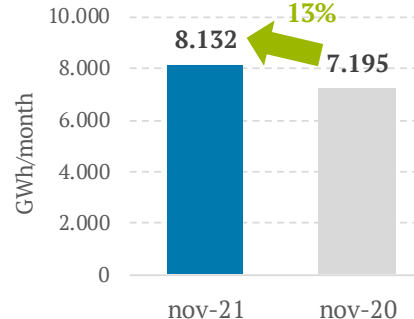
### VIP IBÉRICO (exports)



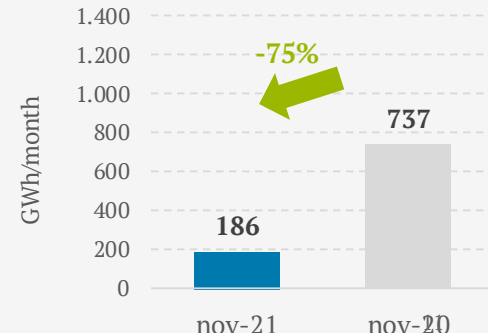
### TARIFA



### ALMERÍA



### VIP PIRINEOS (exports)



## 2.1 Demand coverage : Interconnection Points

### Net Balances (\*)

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Nov-2021	Nov-2020	%Δ s/2020	Jan-Nov 2021	%Δ s/2020	MAT: Dic 2020-Nov 2021	%Δ MAT vs 2020
Tarifa	0	7.082	-100,0%	65.877	90,7%	72.113	76,8%
Almería	8.132	7.195	13,0%	80.428	51,3%	87.122	45,6%
VIP Ibérico	-72	-489	-85,2%	-1.090	-73,5%	-1.434	-67,8%
VIP Pirineos	4.188	1.124	>100%	13.865	-41,5%	18.241	-35,1%
National Deposits	23	31	-26,3%	335	-20,6%	377	-18,7%
Biogas	12	10	17,0%	91	-1,9%	101	-1,7%
<b>Total</b>	<b>12.282</b>	<b>14.954</b>	<b>-17,9%</b>	<b>159.506</b>	<b>47,9%</b>	<b>176.521</b>	<b>41,4%</b>

(+) Entry flows (-) Exit flows

(\*) SL-ATR distribution data



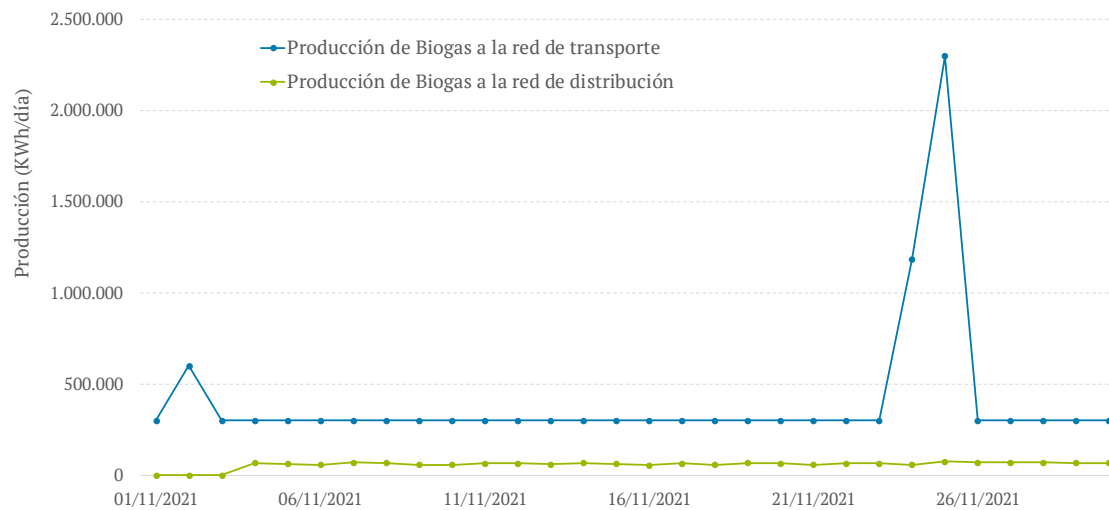
1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. Demand coverage
  1. Origin of supplies
  2. Interconnection Points

- 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	Acumulado mensual			Acumulado anual		Total anual móvil	
	Nov-2021	Nov-2021	%Δ s/2020	Ene-Nov 2021	%Δ s/2020	TAM: Dic 2020-Nov 2021	%Δ s/2020
BIOGÁS en transporte	11,6	9,9	17,0%	90,9	-1,9%	101,0	-1,7%
BIOGÁS en distribución	1,9	0,00	>100%	4,0	171,5%	4,0	171,5%
<b>Total</b>	<b>13,5</b>	<b>9,9</b>	<b>36,3%</b>	<b>95,0</b>	<b>0,8%</b>	<b>105,0</b>	<b>0,7%</b>

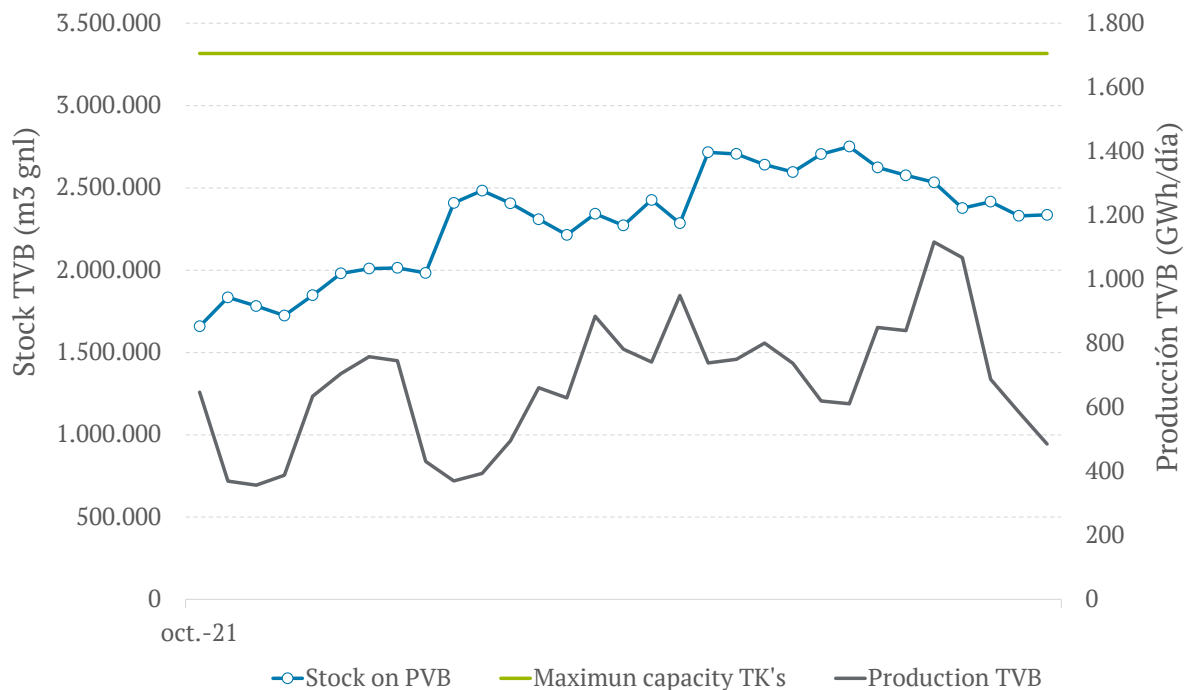




1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. Demand coverage
  1. Origin of supplies
  2. Interconnection Points
3. Renewable gases
4. **TVB activity**
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant facts

# 4. TVB activity

## TVB Stock evolution and TVB production



### November 2021

GWh/month

Total capacity	57.450
Contracted capacity TVB	25.378
Available capacity	32.072
Commercial regasification	24.600



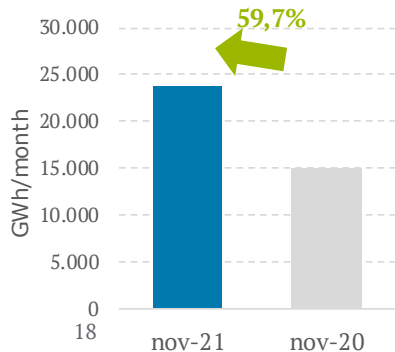


1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. Demand coverage
  1. Origin of supplies
  2. Interconnection Points
3. Renewable gases
4. TVB activity
5. **Regasification Plants activity**
6. Underground Storage activity
7. Operating notes and other relevant facts

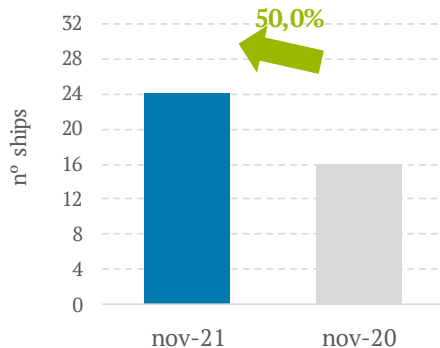
# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Nov-2021	Nov-2020	%Δ s/2020	Nov-2021	Nov-2020	%Δ s/2020	Nov-2021	Nov-2020	%Δ s/2020	Nov-2021	Nov-2020	%Δ s/2020
BARCELONA	4.222	1.874	>100%	5	3	66,7%	398	37	>100%	306	298	2,9%
HUELVA	5.021	2.849	76,2%	5	3	66,7%	41	29	38,6%	259	245	5,7%
CARTAGENA	4.614	979	>100%	5	1	>100%	2	0	>100%	286	255	12,3%
BILBAO	5.466	4.094	33,5%	5	4	25,0%	0	0	-	107	106	1,7%
SAGUNTO	2.236	2.156	3,7%	2	2	0,0%	1.104	145	>100%	180	169	6,0%
MUGARDOS	2.186	2.916	-25,0%	2	3	-33,3%	0	0	-	148	123	20,1%
<b>Total</b>	<b>23.744</b>	<b>14.868</b>	<b>59,7%</b>	<b>24</b>	<b>16</b>	<b>50,0%</b>	<b>1.545</b>	<b>211</b>	<b>&gt;100%</b>	<b>1.286</b>	<b>1.196</b>	<b>7,6%</b>

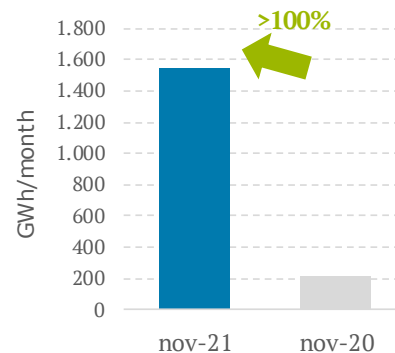
SHIPS UNLOADED



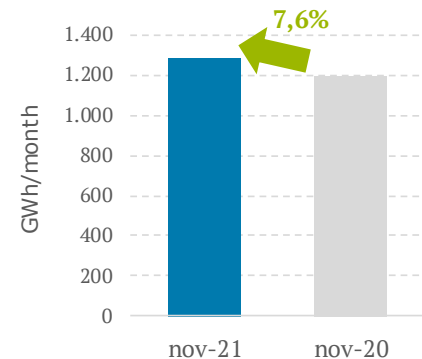
NUMBER OF SHIPS UNLOADED



SHIPS LOADED



LNG TRUCKS



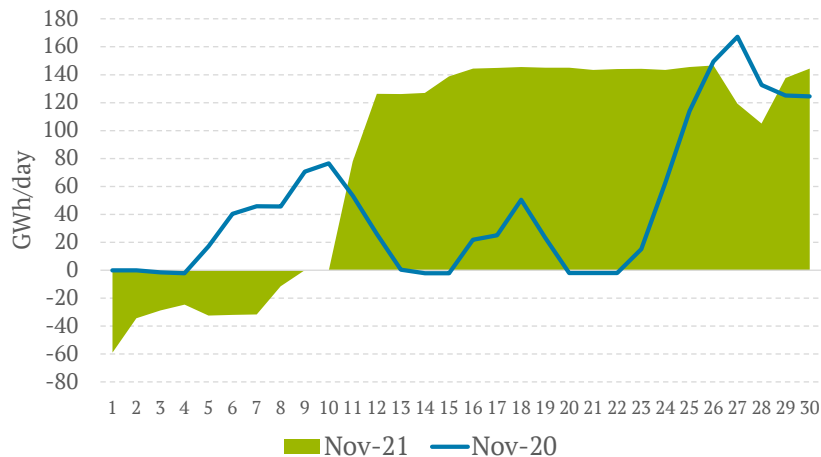
(\*) Datos de repartos del SL-ATR



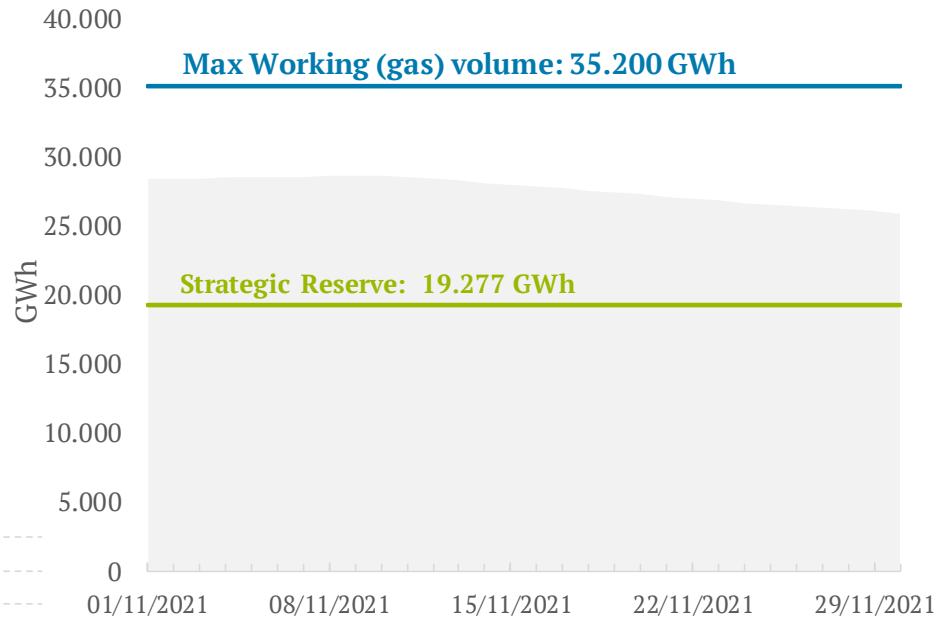
1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. Demand coverage
  1. Origin of supplies
  2. Interconnection Points
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. **Underground Storage activity**
7. Operating notes and other relevant facts

# 6. UGS Activity

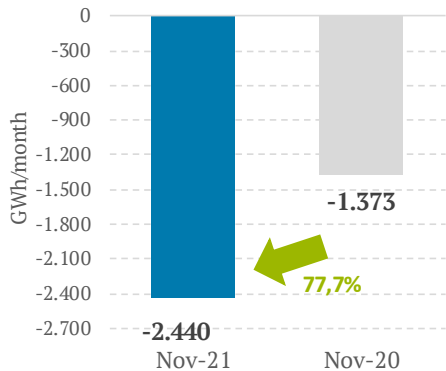
Daily injection/withdrawal November 2021 vs November 2020



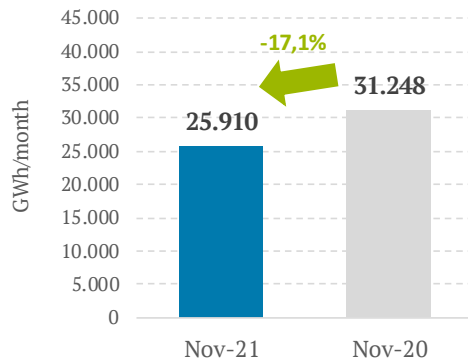
Evolución existencias útiles



Inyección



Working (gas) volumes





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. Notas de operación y otros hechos relevantes

## Operating notes:

- ❑ In November 2021 one Operation note has been published:
  - ❖ Operation Note nº7 related Warning of low temperatures

## Relevant facts:

- ❑ No relevant facts have been produced this month

Operación y Programación del Sistema Gasista

## Notas de operación

En esta página se encuentran disponibles las Notas de Operación emitidas.





Thank You

