



**ADVANCE**



# Statistical bulletin

July 2020

Technical Management of the System

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

# Content

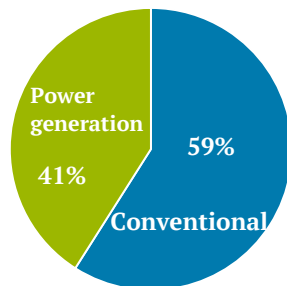
---

- 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

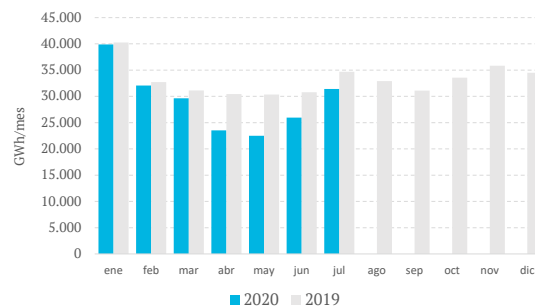
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Jul-2020	%Δ s/Jul 2019	Jan-Jul 2020	%Δ s/2019	MAT: Aug 2019-Jul 2020	%Δ MAT vs 2019
<b>National Market demand</b>	<b>31.416</b>	<b>-9,4%</b>	<b>204.927</b>	<b>-11,0%</b>	<b>372.808</b>	<b>-6,4%</b>
Conventional	18.538	-5,5%	157.357	-8,6%	272.193	-5,1%
Power generation	12.878	-14,4%	47.570	-18,3%	100.615	-9,6%
<b>International Market demand</b>	<b>1.502</b>	<b>31,5%</b>	<b>6.662</b>	<b>78,7%</b>	<b>15.142</b>	<b>24,0%</b>
International conexions exports	1.444	26,4%	6.101	71,4%	14.285	21,6%
LNG Vessel loading	58	>100%	560	230,0%	857	83,8%
<b>TOTAL</b>	<b>32.918</b>	<b>-8,1%</b>	<b>211.589</b>	<b>-9,6%</b>	<b>387.950</b>	<b>-5,5%</b>

National market demand July 2020

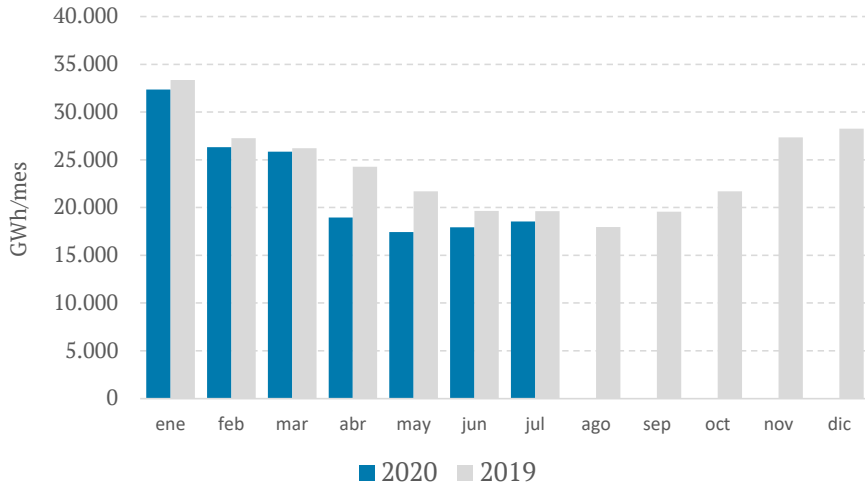


Demanda Total

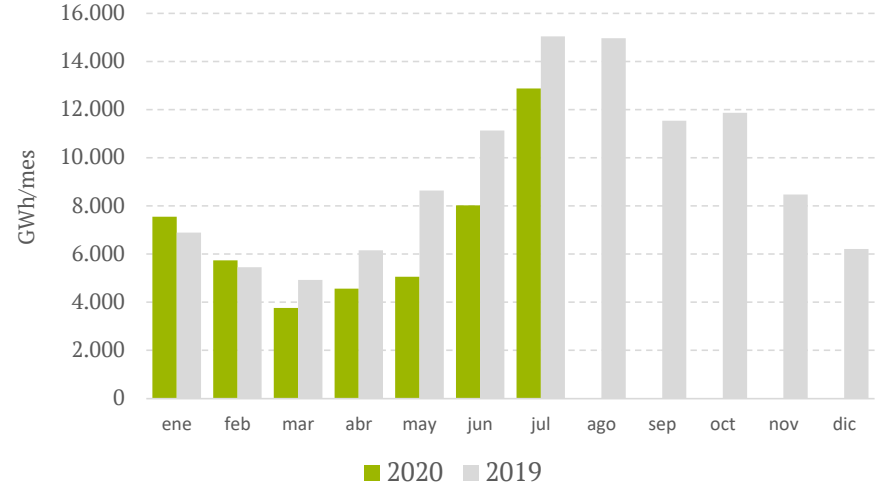


# 1. Evolution of gas demand

## Conventional Demand



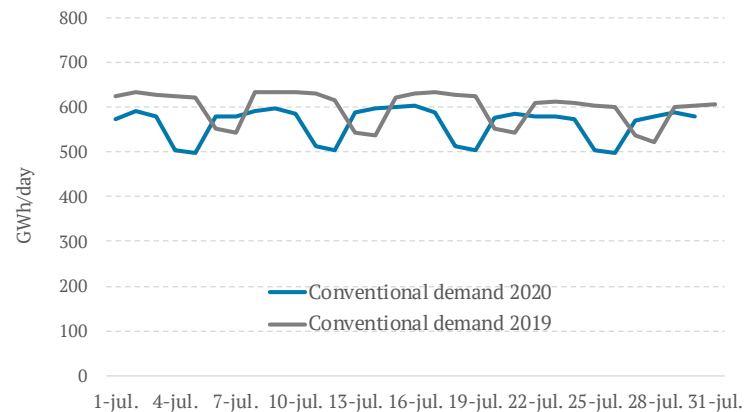
## Power Generation



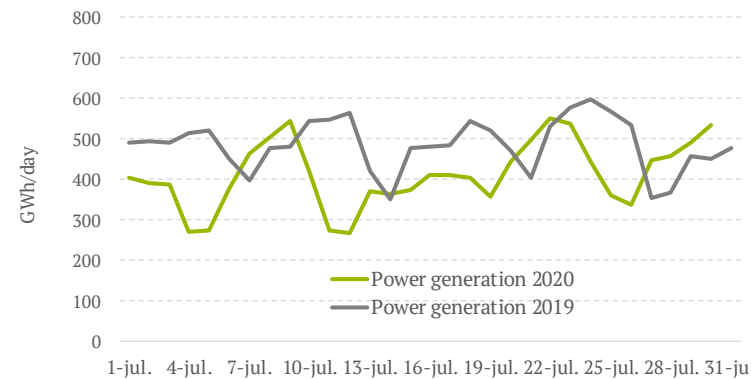
# 1. Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION	
	Jul-2020	%Δ s/Jul 2019	Jul-2020	%Δ s/Jul 2019
CATALUÑA	3.238	-4,4%	1.420	-44,8%
ANDALUCIA	2.535	-8,1%	3.065	-12,8%
VALENCIA	2.262	-5,5%	1.119	27,5%
PAIS_VASCO	1.465	-10,2%	879	-23,9%
MURCIA	1.444	2,0%	2.058	-12,0%
CASTILLA_LEON	1.208	-1,0%	0	
ARAGON	1.077	-5,3%	1.016	6,7%
GALICIA	977	-2,4%	445	-45,2%
CASTILLA_MANCHA	927	-5,0%	641	128,7%
MADRID	830	-3,6%	0	
ASTURIAS	446	-10,1%	473	-11,5%
NAVARRA	373	-8,8%	986	1,1%
CANTABRIA	280	-46,7%	0	
LA_RIOJA	237	14,3%	38	-90,9%
EXTREMADURA	124	1,3%	0	
BALEARES	35	-36,6%	738	17,4%

## Conventional demand daily evolution



## Power generation daily evolution



# 1.1 Conventional demand

## Demand




### Conventional market

# -5,5%

Less than the previous year

## Temperatures



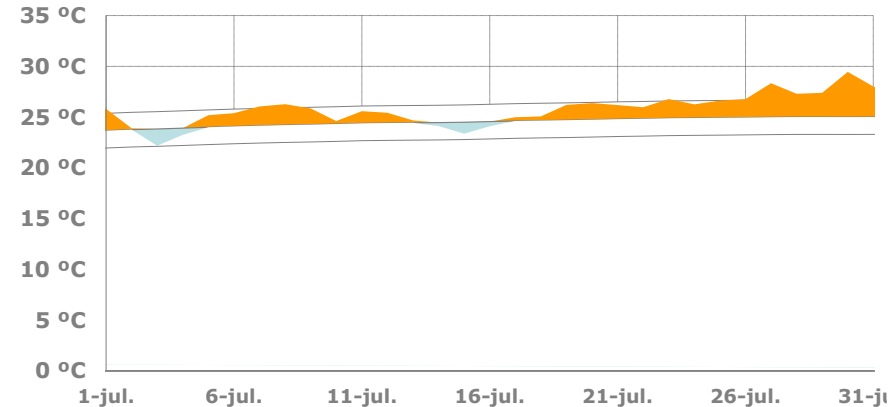
# +0,1°C

Warmer than the previous year

## Calendar and temperature correction

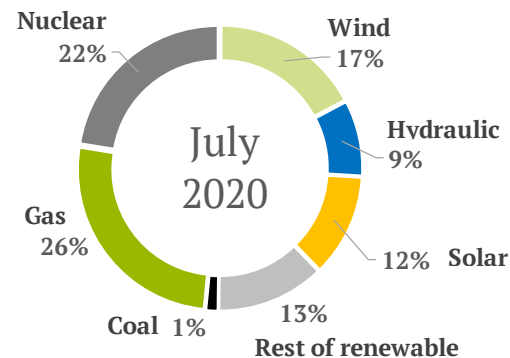
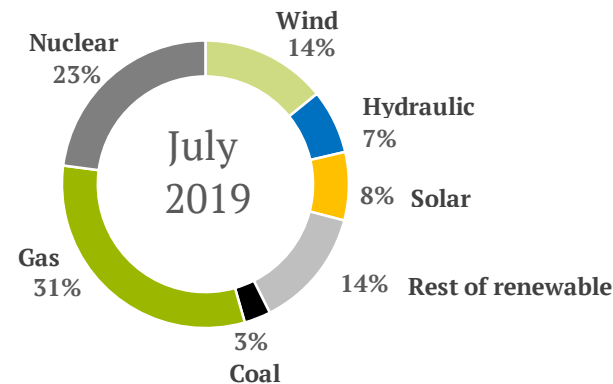
Demand	Conventional demand		Accumulated		MAT	
	July 2020 (*)		January-July 2020		August 19- July 20	
	GWh	%20 s/19	GWh	%20 s/19	GWh	% TAM s/19
	18.538	-5,5%	157.357	-8,6%	272.193	-5,1%
Calendar		0,0%		0,3%		1,0%
Temperature		-0,4%		-2,4%		-1,4%
Amended demand		-5,1%		-6,5%		-4,7%

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



# 1.2 Power generation– electricity generation mix

TWh (e)	Jul 2019	Jul 2020
<b>Power generation</b>	22,8	22,0
Wind	3,2	4,0
Hydraulic	1,6	2,0
Solar	1,7	2,7
Rest of renewable	3,0	2,9
Cogeneration	2,5	2,3
Others	0,6	0,5
<b>Thermal Gap</b>	7,7	6,3
Coal	0,7	0,3
Gas	7,1	6,0
% gas in TG	91%	95%
Nuclear	5,1	5,2
International balances	0,7	0,5
	import	import

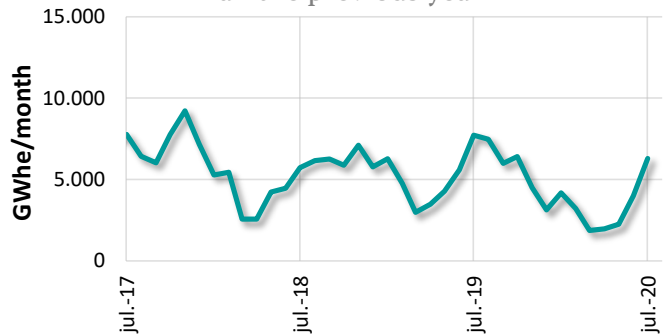


# 1.2 Power generation – Thermal Gap evolution

## Thermal Gap

**-19%**

Than the previous year



## %GAS/COAL



■ Generation gas mix

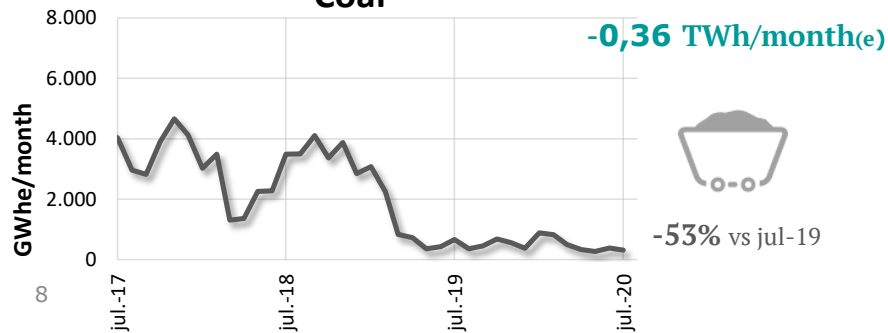
**-35** GWh(e)/day

■ Generation coal mix

**-11** GWh(e)/day

## Coal

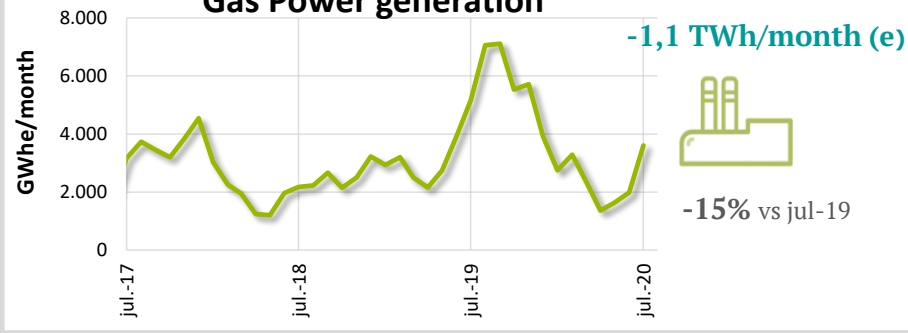
**-0,36 TWh/month(e)**



**-53%** vs jul-19

## Gas Power generation

**-1,1 TWh/month (e)**



**-15%** vs jul-19



# Content

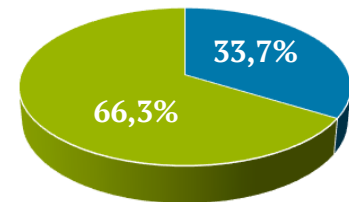
---

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

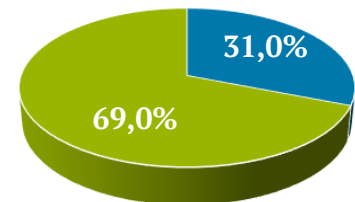
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)	
		Jul-2020	Jul-2019	Jan-Jul 2020	% s TOTAL	MAT: Aug 2019-Jul 2020	% s TOTAL
Algeria	NG	7.518	8.450	41.439	21,3%	99.160	27,1%
	LNG	0	0	1.975		6.689	
France	NG	3.993	3.817	20.308	10,4%	36.198	9,5%
	LNG	0	0	882		882	
Angola	LNG	991	0	3.034	1,5%	4.051	1,0%
Cameroon	LNG	0	0	0	1,5%	0	0,0%
United States	LNG	4.800	2.064	41.421	1,5%	68.351	17,5%
Equatorial Guinea	LNG	856	0	4.751	1,5%	5.726	1,5%
Nigeria	LNG	2.574	4.202	21.258	1,5%	40.037	10,3%
Norway	LNG	0	926	2.754	1,5%	5.478	1,4%
Peru	LNG	1.010	0	1.875	1,5%	6.019	1,5%
Qatar	LNG	8.146	8.257	21.401	1,5%	41.263	10,6%
Russia	LNG	3.219	6.378	20.660	1,5%	40.021	10,3%
Trinidad	LNG	1.018	5.316	18.023	1,5%	29.730	7,6%
Oman	LNG	0	417	0	1,5%	0	0,0%
Belgium	LNG	0	0	1.084	1,5%	3.168	0,8%
Argentina	LNG	0	0	1.691	1,5%	1.691	0,4%
Egypt	LNG	0	0	968	1,5%	968	0,2%
National deposits	NG	0	100	268	1,5%	675	0,2%
National Biogas	NG	8	7	62	1,5%	99	0,0%
<b>TOTAL</b>		<b>34.134</b>	<b>39.933</b>	<b>203.853</b>	<b>100%</b>	<b>390.205</b>	<b>100%</b>

July 2020



■ Total NG ■ Total LNG

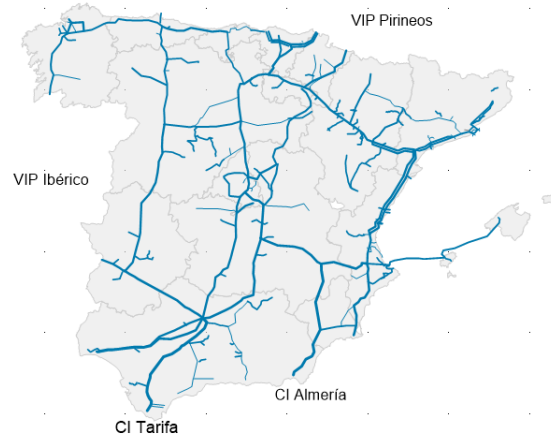
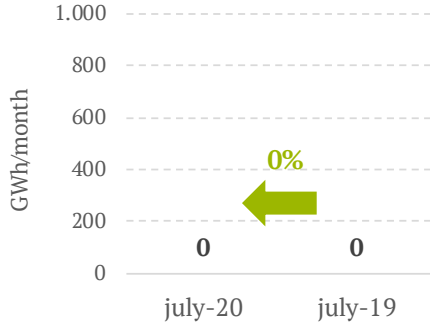
July 2019



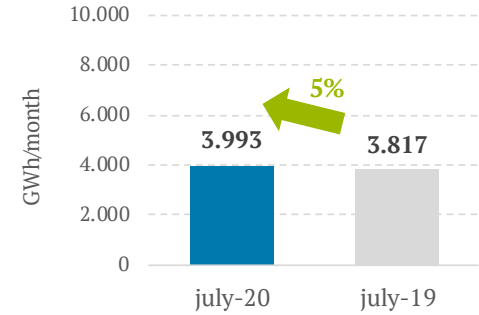
■ Total NG ■ Total LNG

## 2.2 Demand coverage : Interconnection Points

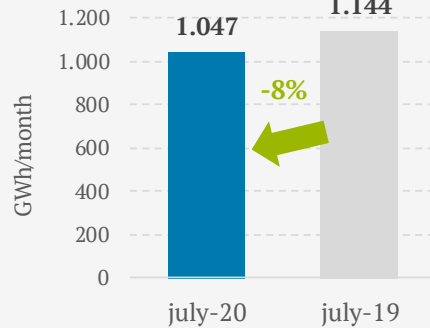
### VIP IBÉRICO (imports)



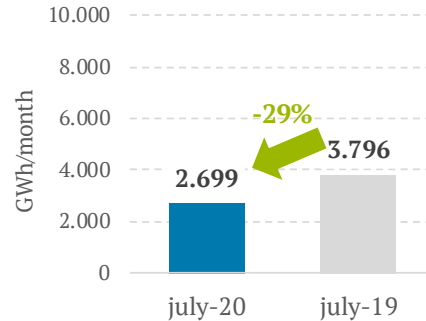
### VIP PIRINEOS (imports)



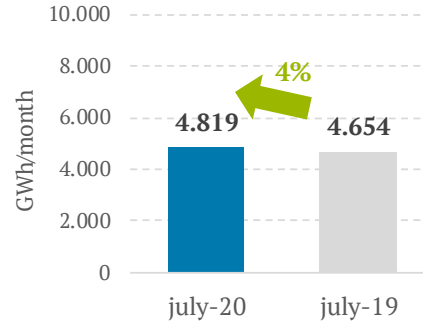
### VIP IBÉRICO (exports)



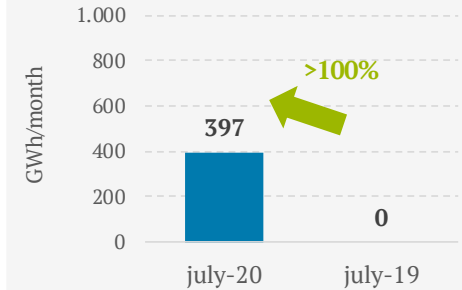
### TARIFA



### ALMERÍA



### VIP PIRINEOS (exports)



## 2.2 Demand coverage : Interconnection Points

### Net Balances (\*)

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Jul-2020	Jul-2019	%Δ s/2019	Jan-Jul 2020	%Δ s/2019	MAT: Aug 2019-Jul 2020	%Δ MAT vs 2019
Tarifa	2.699	3.796	-28,9%	12.378	-58,3%	40.323	-30,1%
Almería	4.819	4.654	3,5%	29.061	-25,3%	58.838	-14,3%
VIP Ibérico	-1.047	-1.144	-8,5%	-1.216	-23,4%	-4.951	-7,0%
VIP Pirineos	3.596	3.817	-5,8%	16.862	-48,9%	28.583	-36,1%
National Deposits	0	100	-100,0%	268	-71,7%	675	-50,2%
Biogas	8	7	23,8%	62	5,9%	99	3,6%
<b>Total</b>	<b>10.075</b>	<b>11.229</b>	<b>-10,3%</b>	<b>57.416</b>	<b>-43,2%</b>	<b>123.566</b>	<b>-26,1%</b>

(+) Entry flows (-) Exit flows

(\*) SL-ATR distribution data

# Content

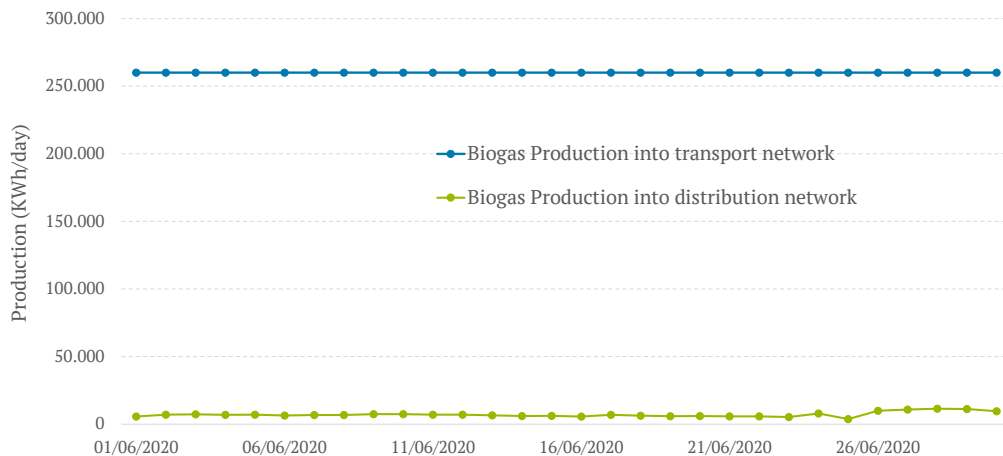
---

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

#### BIOGAS production for transport and distribution network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Jul-2020	Jul-2019	%Δ s/2019	Jan-Jul 2020	%Δ s/2019	MAT: Aug 2019-Jul 2020	%Δ s/2019
BIOGÁS injected into transport network	8,1	6,5	23,8%	62,5	5,9%	98,5	3,6%
BIOGÁS injected into distribution network	0,3	0,0	>100%	1,4	>100%	2,2	180,3%
<b>Total</b>	<b>8,3</b>	<b>6,5</b>	<b>28,2%</b>	<b>63,9</b>	<b>8,3%</b>	<b>100,8</b>	<b>5,1%</b>



(\*) SL-ATR distribution data

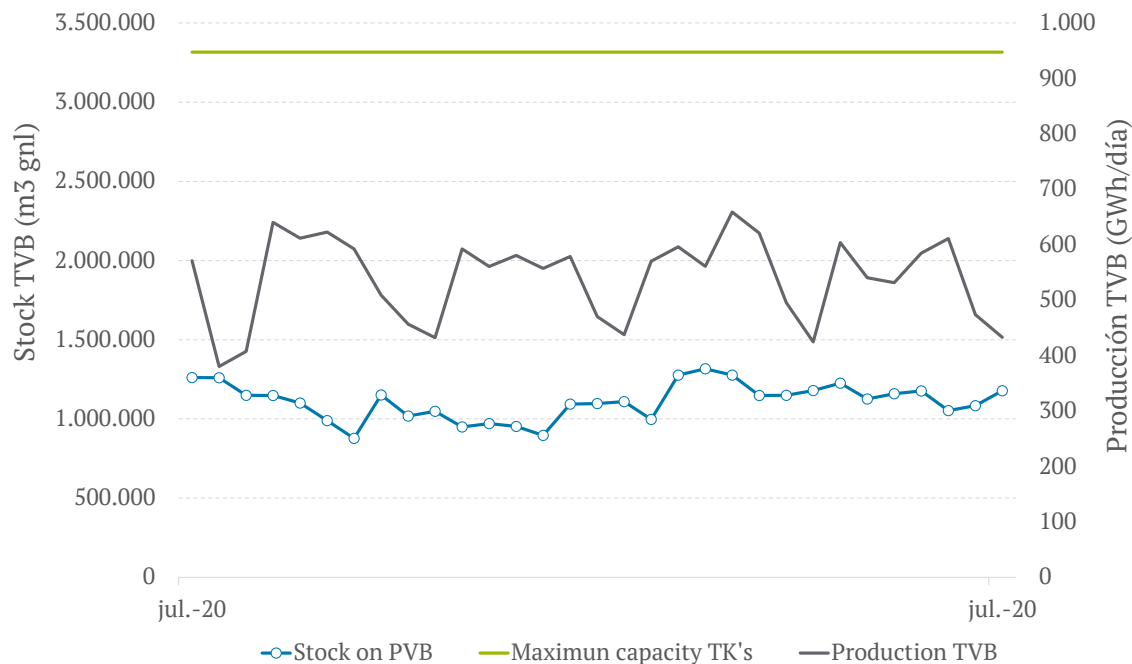
# Content

---

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



#### July 2020

	GWh/month
Total capacity	57.450
Contracted capacity TVB	26.289
Available capacity	31.161
Commercial regasification	22.981



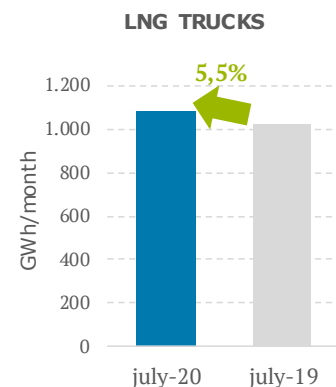
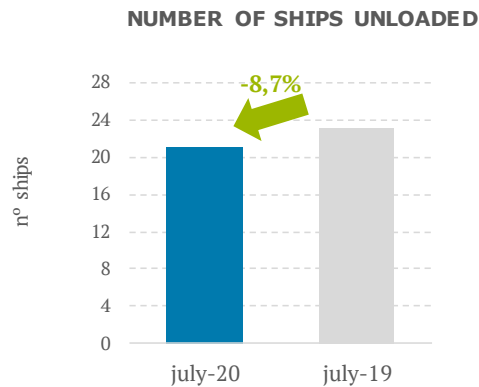
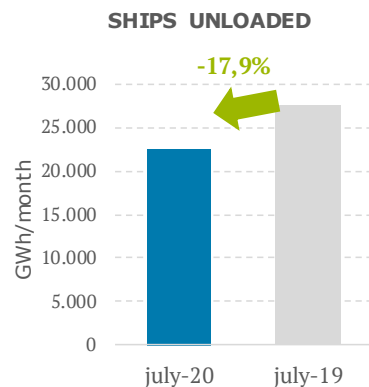
# Content

---

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		
	Jul-2020	Jul-2019	%Δ s/Jul 2019	Jul-2020	Jul-2019	%Δ s/Jul 2019	Jul-2020	Jul-2019	%Δ s/Jul 2019	Jul-2020	Jul-2019	%Δ s/Jul 2019
BARCELONA	6.871	4.733	45,2%	6	5	20,0%	0	0	-	290	254	13,9%
HUELVA	4.692	5.891	-20,3%	5	5	0,0%	58	0	>100%	254	283	-10,3%
CARTAGENA	3.528	3.786	-6,8%	3	6	-50,0%	0	0	-	177	187	-5,4%
BILBAO	3.954	6.169	-35,9%	4	4	0,0%	0	0	-	81	90	-9,8%
SAGUNTO	2.473	4.668	-47,0%	2	2	0,0%	0	0	-	176	108	62,5%
MUGARDOS	1.096	2.314	-52,6%	1	1	0,0%	0	0	-	102	101	1,5%
<b>Total</b>	<b>22.615</b>	<b>27.560</b>	<b>-17,9%</b>	<b>21</b>	<b>23</b>	<b>-8,7%</b>	<b>58</b>	<b>0</b>	<b>&gt;100%</b>	<b>1.080</b>	<b>1.023</b>	<b>5,5%</b>



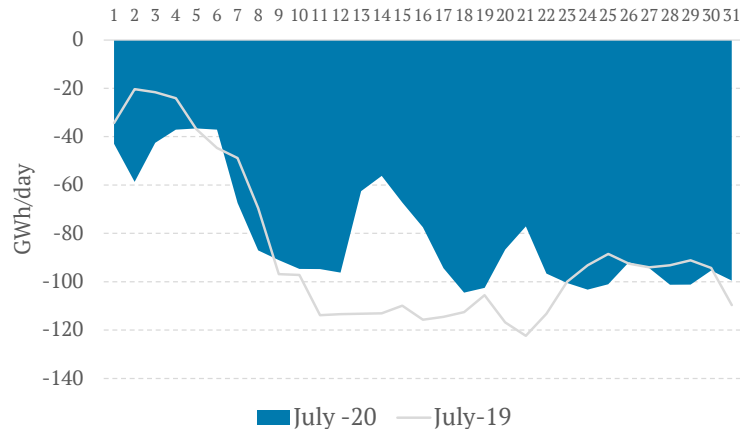
# Content

---

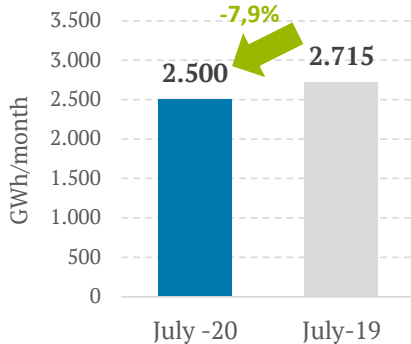
1. Evolution of gas demand
  1. Conventional demand
  2. Power generation
  3. CCAA
2. Demand coverage
  1. Origin of supplies
  2. Interconnection Points
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
- 6. Underground Storage activity**
7. Operating notes and other relevant facts

# 6. UGS Activity

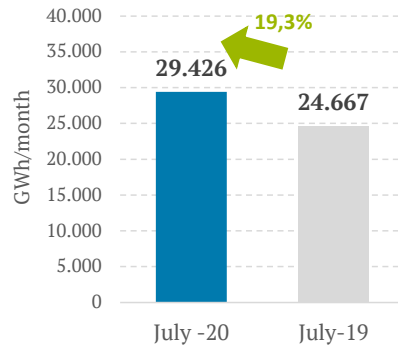
## Daily injection July 2020 vs July 2019



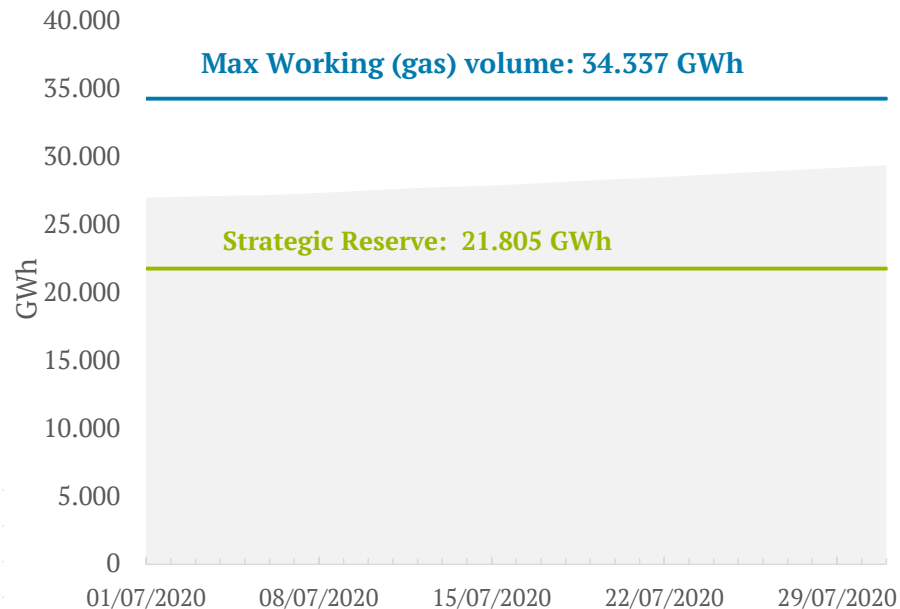
**Injection**



**Working (gas) volumes**



## Working (gas) evolution



(\*) 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 July 2020 no Operation notes have been published

#### Gas system operation and programming Operation notes

The operating notes are available on this page



### Relevant facts:

- ❑ On July 9, the maximum demand for summer 2020 was reached:
  - Conventional: 643 GWh/day
  - Power generation: 542 GWh/day
  - **TOTAL: 1.185 GWh/day**
  
- ❑ On July 22, the maximum for Power generation for summer was reached:  
**550 GWh/day**

Thank you

