

# Statistical bulletin

## Technical Management of the System

August 2019

**PREVIEW**



# Content



## **1. Natural gas demand**

Natural gas demand flow-up

Evolution of conventional demand and power generation

Consumption by geographic location

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## **3. Interconnection Points**

## **4. Regasification Plants**

Unloads and loads of LNG vessels

Production at regasification plants

Activity by LNG plant

## **5. Underground storage**

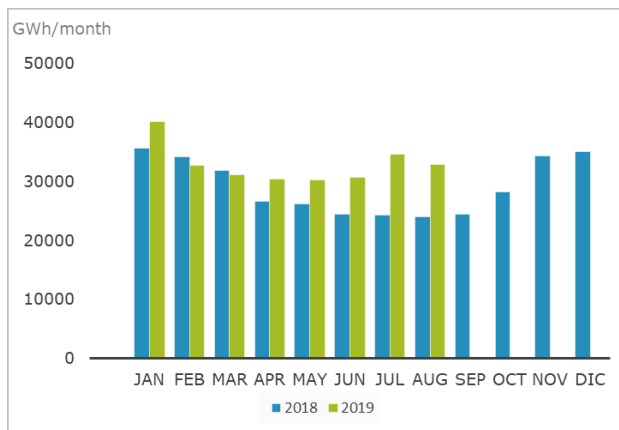
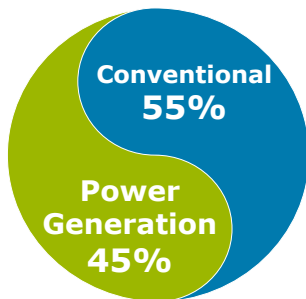
## **6. Operating notes**

# Natural Gas demand follow-up

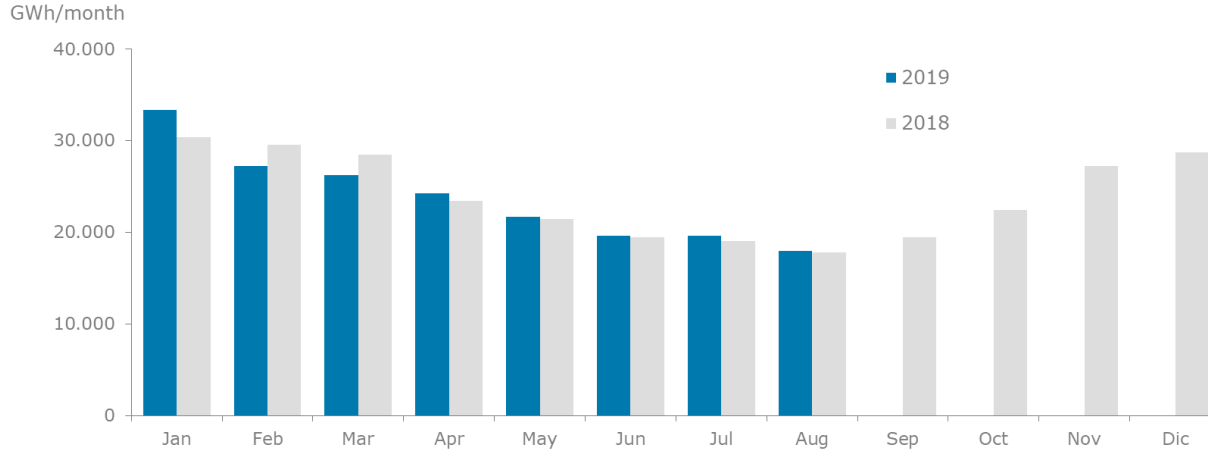
Unit : GWh

	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2018
	1 <sup>st</sup> to 30th July		Year 2019		1 <sup>st</sup> August 2018 to 31 <sup>th</sup> July 2019	
<i>National Demand</i>	32.872	36,8%	263.056	15,8%	385.191	10,3%
- Conventional demand	17.928	0,8%	189.926	0,2%	287.776	0,1%
- NG for Power Generation	14.944	139,7%	73.129	94,8%	97.416	57,6%
<i>International Demand</i>	0	0,0%	0	0,0%	0	0,0%
- International connections exports	1.340	-64,7%	4.903	-79,6%	11.899	-61,6%
- LNG Vessel loading	45,15	100,0%	215	-95,7%	226	-95,4%
<b>TOTAL</b>	<b>34.257</b>	<b>22,6%</b>	<b>268.173</b>	<b>4,7%</b>	<b>397.317</b>	<b>3,1%</b>

National demand  
August- 2019

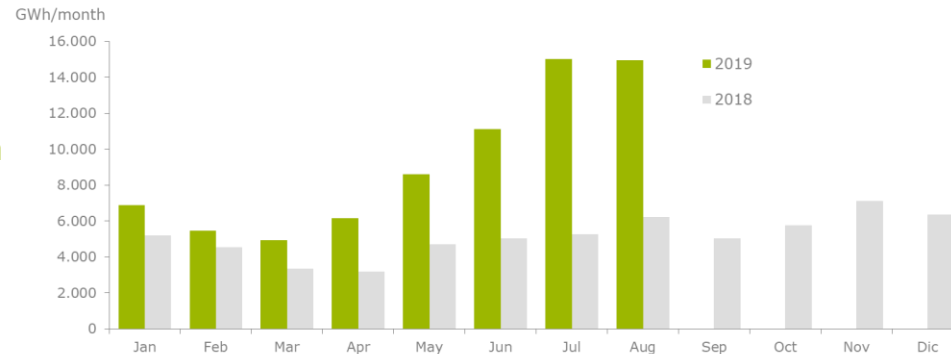


# Natural Gas demand follow-up



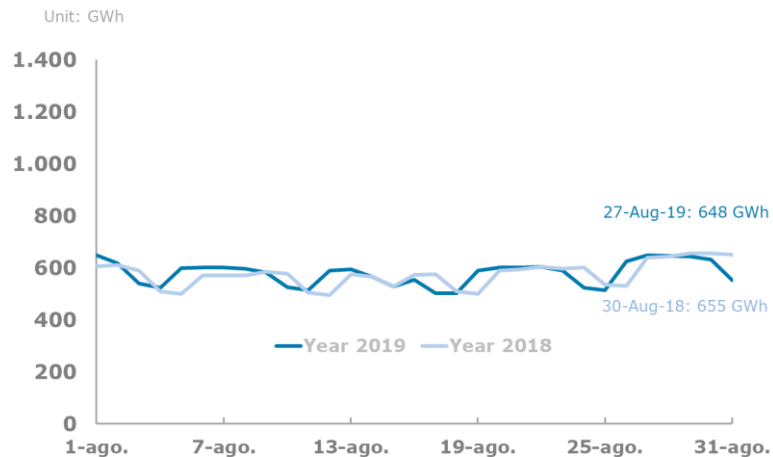
**Conventional demand  
2018 - 2019**

**NG for Power Generation  
2018 - 2019**

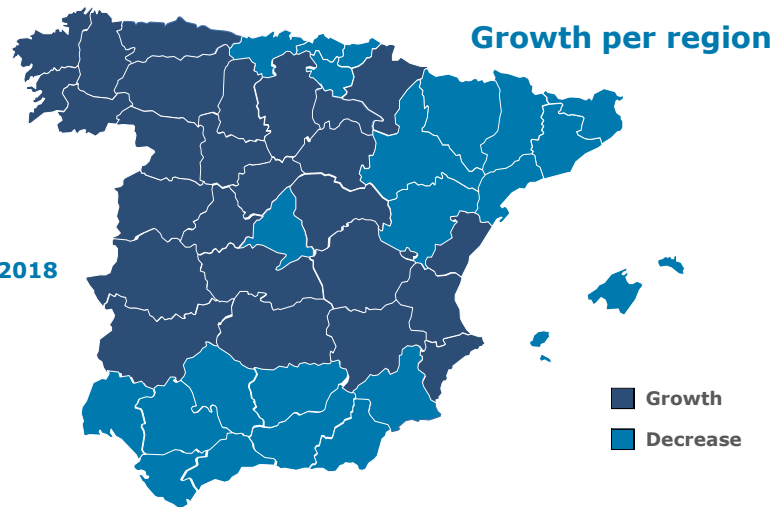


# Conventional demand

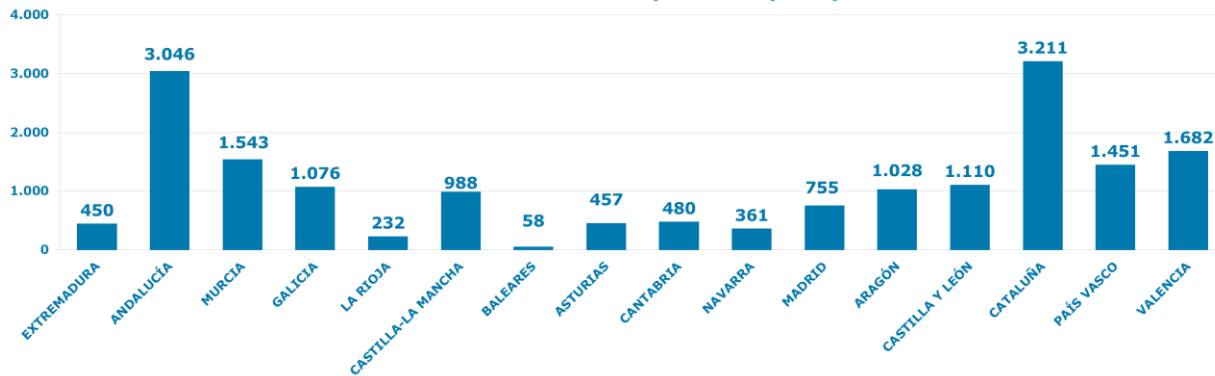
## Comparison 2018-2019



Increase 0,8% vs. 2018

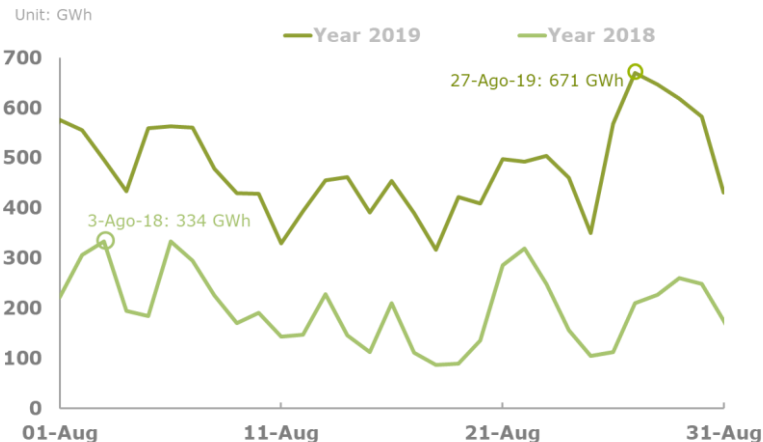


### Conventional demand per CCAA (GWh)



# Natural gas for power generation

## Comparison 2018-2019

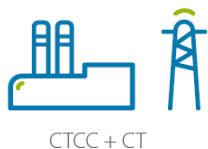
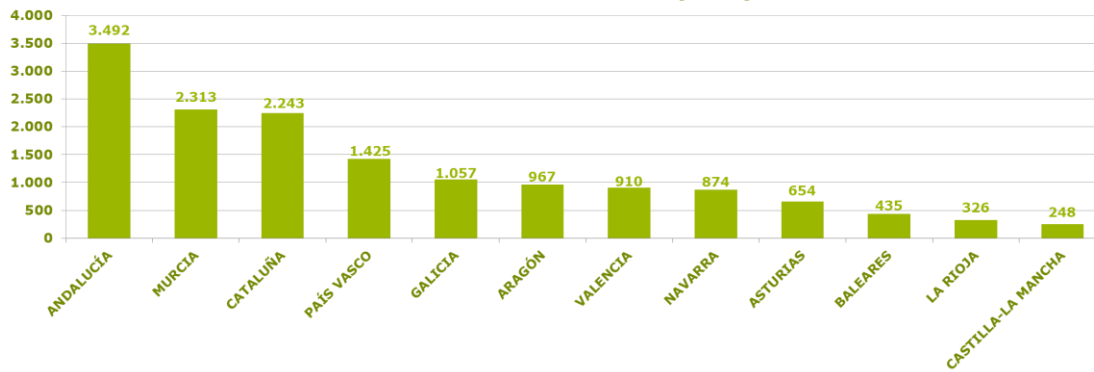


Increase 139,7% vs. 2018

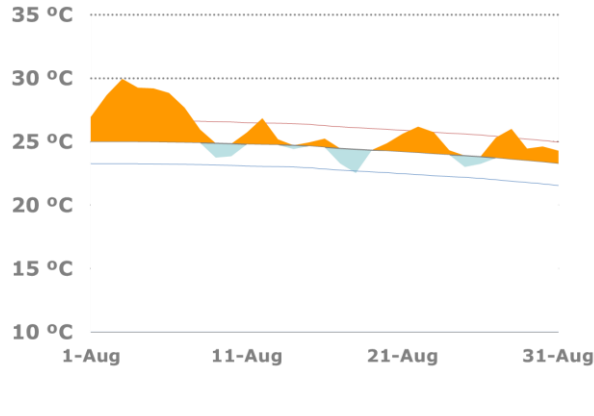
## Growth per region



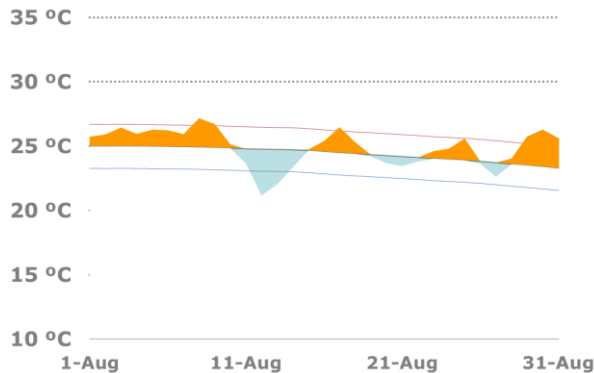
## NG for Power Generation (GWh)



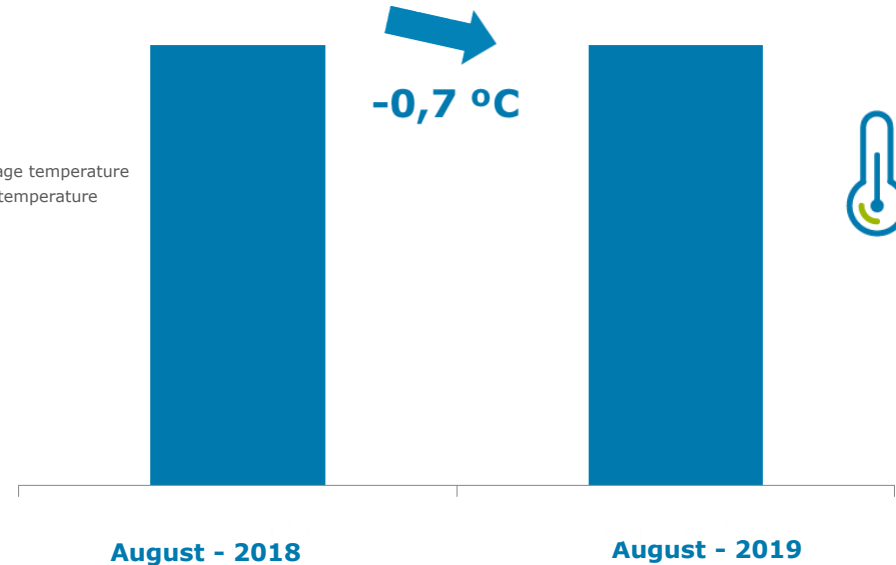
## Temperatures 2018



## Temperatures 2019

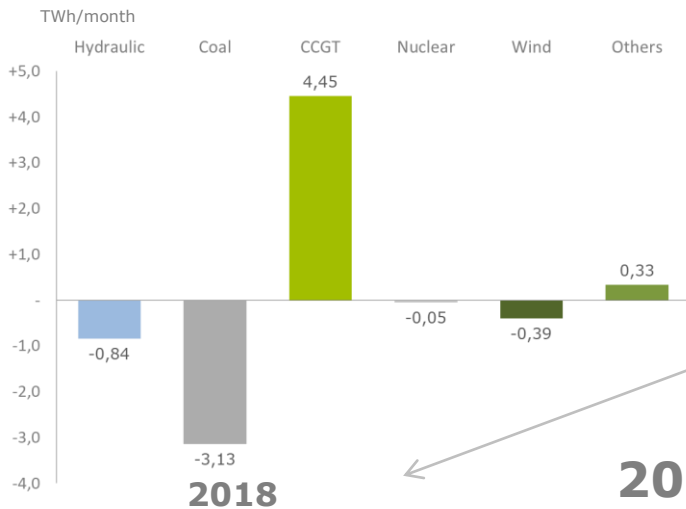


- Temperatures have been lowest during August 2019 in comparison with August 2018.
- The average temperature has been **-0.7°C** lowest than the average of August 2018

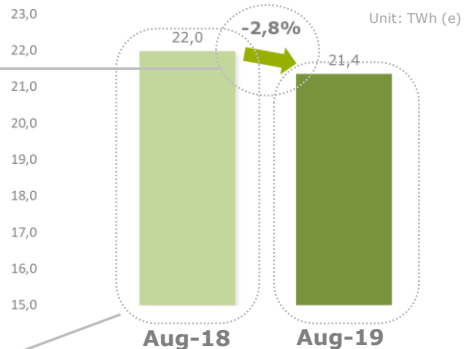


# Gas for power generation

## GROWTH AUG-19 VS. AUG-18

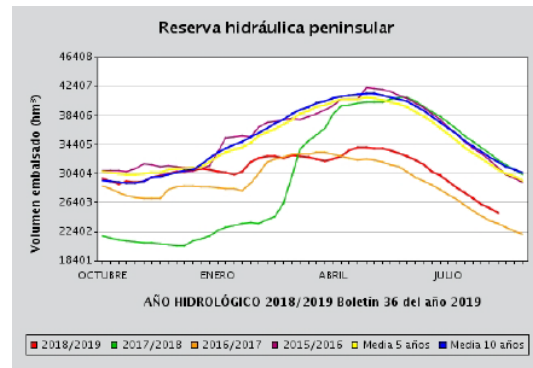


## TRANSMISSION DEMAND AUG-19 VS. AUG-18

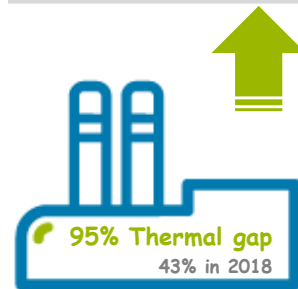
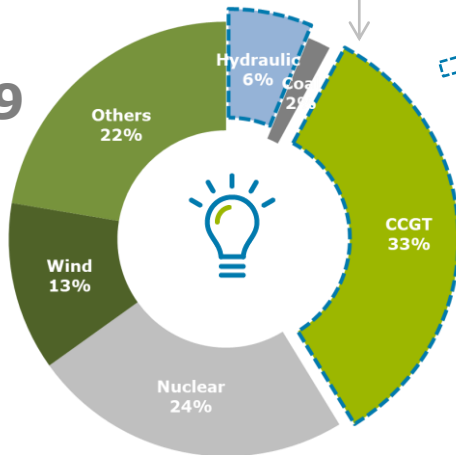
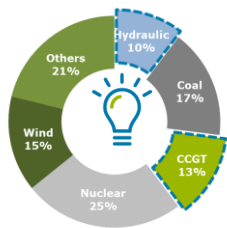


## CAPACITY

**TOTAL :** 56,118 hm<sup>3</sup> = 23,281 GWh  
**ACTUAL :** 24,991 hm<sup>3</sup> = 8,944 GWh



## 2019



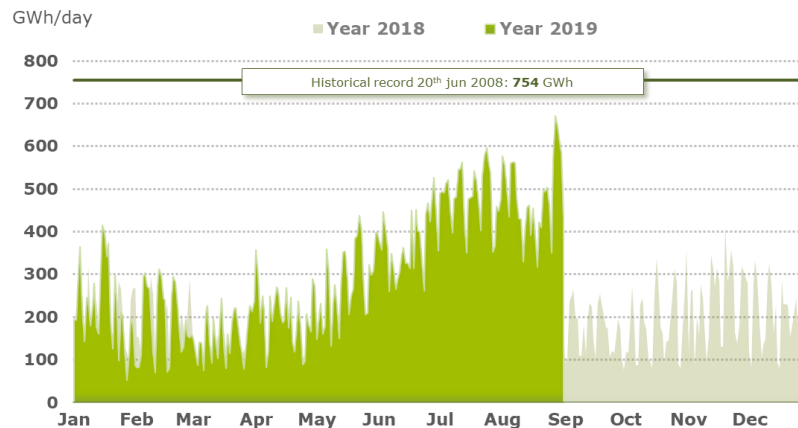


# Gas for power generation



Unit: GWh

	Monthly record			Mobile Annual Total Record		
	Aug-18	Aug-19	Δ s/Aug-18	Year 2019	MAT Sep-2018/Aug-2019	Δ over/Year 2018
<b>NG for Power Generation</b>	<b>6.235</b>	<b>14.944</b>	<b>+139,7%</b>	<b>73.129</b>	<b>97.416</b>	<b>+57,6%</b>
- Thermal Power Plants	19	2	-87%	73	150	-32,5%
- CCGT's	6.215	14.942	+140%	73.057	97.266	+57,9%
<b>Maximum daily consumption</b>	<b>334</b>	<b>671</b>	<b>+101%</b>	<b>671</b>	<b>671</b>	-
	03-Aug-18	27-Aug-19		27-Aug-19	27-Aug-19	
<b>Minimum daily consumption</b>	<b>87</b>	<b>317</b>	<b>+265%</b>	<b>51</b>	<b>51</b>	-
	18-Aug-18	18-Aug-19		27-Jan-19	27-Jan-19	



# Content

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## 5. Underground storage

## 6. Operating notes

# Origin of supplies

		Monthly record		Annual Total record		Mobile Annual Total record	
Unit: GWh		Aug-18	Aug-19	Year 2019	% 2019	MAT Sep-18/Aug-19	% MAT
Algeria	NG	13.797	7.396	75.947	} 31,2%	131.127	} 35,3%
	LNG	991	995	8.456		12.429	
Nigeria	LNG	1.828	4.912	34.062	12,6%	52.091	12,8%
Qatar	LNG	3.182	7.279	36.310	13,4%	49.490	12,2%
T&T	LNG	2.560	2.577	24.071	8,9%	32.555	8,0%
Peru	LNG	1.776	-	-	0,0%	8.385	2,1%
France	NG	2.284	4.503	37.812	} 14,0%	55.889	} 13,7%
	LNG	-	-	-		-	
Angola	LNG	-	1.018	3.051	1,1%	3.051	0,7%
United States	LNG	950	979	20.330	7,5%	22.400	5,5%
Norway	LNG	1.872	869	5.518	2,0%	7.381	1,8%
Bélgica	LNG	896	1.038	1.038	0,4%	1.038	0,3%
National gas field	NG	121	90	1.036	0,4%	1.498	0,4%
National biogas	NG	8	8	68	0,0%	100	0,0%
Portugal	NG	-	-	1.655	0,6%	1.715	0,4%
Dominican Republic	LNG	-	-	-	0,0%	338	0,1%
Russia	LNG	-	6.432	20.474	7,6%	25.881	6,4%
Cameroon	LNG	-	-	966	0,4%	1.829	0,4%
<b>TOTAL</b>		<b>30.265</b>	<b>38.094</b>	<b>270.794</b>	<b>100%</b>	<b>407.198</b>	<b>100%</b>

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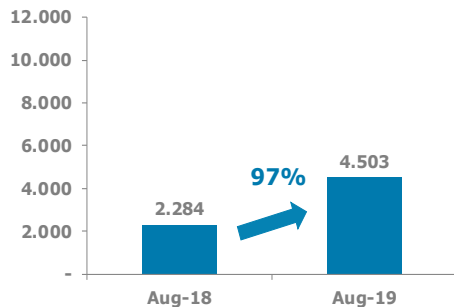
## 6. Operating notes

# Interconnection points

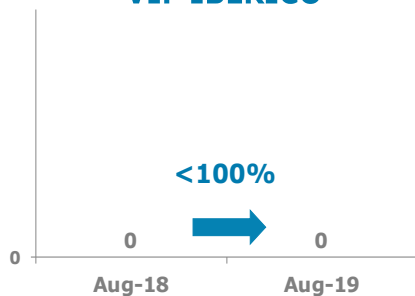
## Imports

Unit: GWh

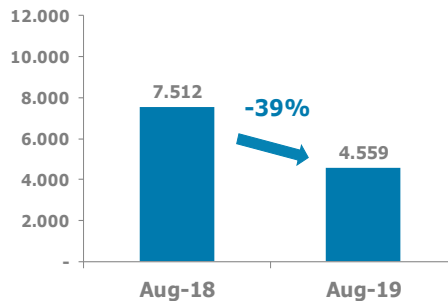
### VIP PIRINEOS



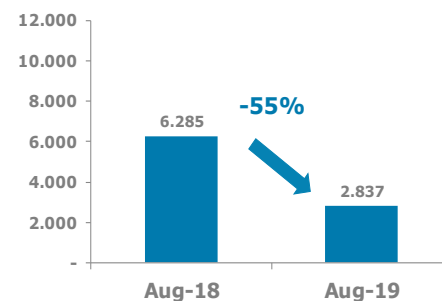
### VIP IBÉRICO



### ALMERÍA



### TARIFA



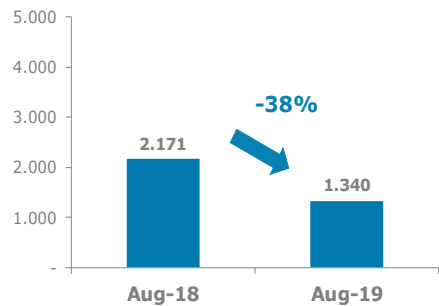
# Interconnection points

## Exports

Unit: GWh



### VIP IBÉRICO



### VIP PIRINEOS



# Interconnection points

## Balance

### Monthly Record

### Monthly Mobile Annual Record

Unit: GWh

	Aug-18	Aug-19	Δ over/Aug-18	Year 2019	MAT Sep-18/Aug-19	Δ s/2018
Tarifa GME	6.285	2.837	-55%	32.551	59.609	-43%
Almería MEDGAZ	7.512	4.559	-39%	43.439	71.561	-10%
VIP PIRINEOS	531	4.503	>100%	37.492	53.971	71%
VIP IBÉRICO	-2.171	-1.340	-38%	-2.927	-8.266	-63%
National gas field	121	90	-26%	1.036	1.498	55%
National biogas	8	8	3%	68	100	16%
<b>TOTAL</b>	<b>12.287</b>	<b>10.656</b>	<b>-13%</b>	<b>111.657</b>	<b>178.472</b>	<b>-8,2%</b>



(+) Entry flows; (-) Exit flows

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# Activity at Barcelona plant

Contract information (Average value)		Aug-18	Aug-19
Send-out	GWh/day	185	176
LNG Trucks	GWh/day	9	15
% average contract vs. nominal		35%	34%
% average contract use		80%	70%

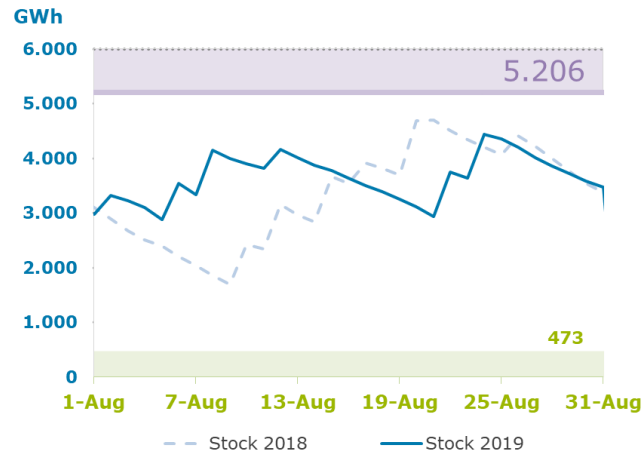
2018

6 LNG Unloaded  
(5.118 GWh)  
0 LNG Loaded  
(0 GWh)

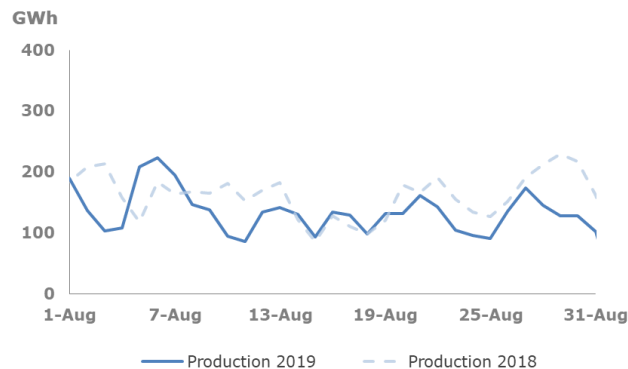


2019

6 LNG Unloaded  
(4.647 GWh)  
0 LNG Loaded  
(0 GWh)



Physical production			Aug-18	Aug-19
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	<b>Total</b>	<b>GWh/day</b>	<b>559</b>	<b>559</b>
<b>Monthly production</b>		<b>GWh</b>	<b>5.040</b>	<b>4.352</b>



# Activity at Huelva plant



Contract information (Average value)		Aug-18	Aug-19
Send-out	GWh/day	159	176
LNG Trucks	GWh/day	7	15
% average contract vs. nominal		43%	49%
% average contract use		69%	73%

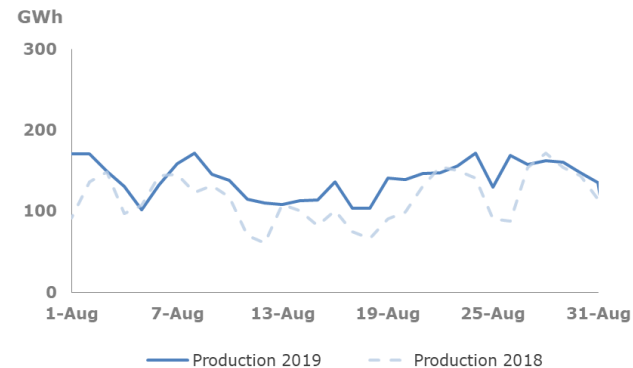
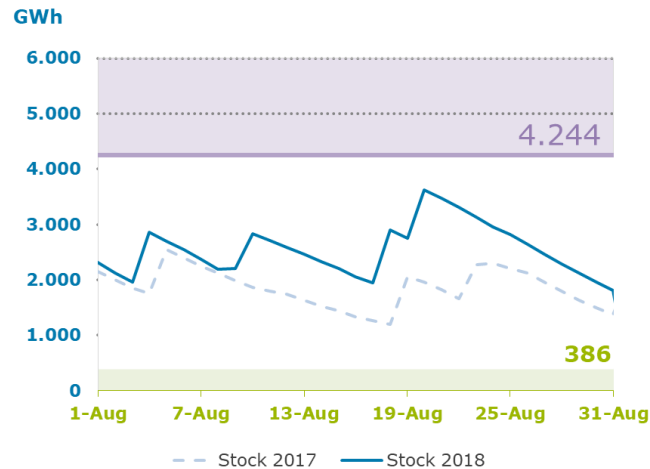
2018

4 LNG Unloaded  
(3.628 GWh)  
0 LNG Loaded  
(0 GWh)



2019

4 LNG Unloaded  
(4.047 GWh)  
1 LNG Loaded  
(45 GWh)



Physical production		Aug-18	Aug-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	<b>Total</b>	<b>GWh/day</b>	<b>392</b>	<b>392</b>
<b>Monthly production</b>	<b>GWh</b>	<b>3.596</b>	<b>4.664</b>	

# Activity at Cartagena plant



Contract information (Average value)		Aug-18	Aug-19
Send-out	GWh/day	10	53
LNG Trucks	GWh/day	7	10
% average contract vs. nominal		4%	16%
% average contract use		77%	78%

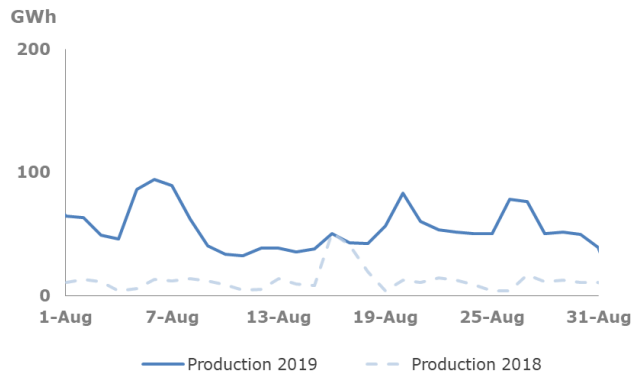
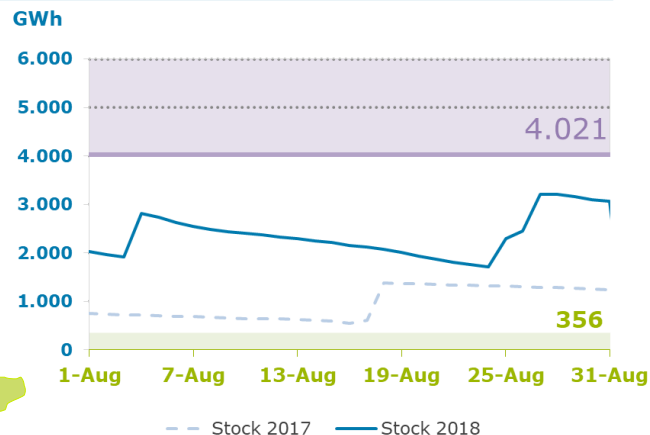
2018

1 LNG Unloaded  
(901 GWh)  
0 LNG Loaded  
(0 GWh)



2019

3 LNG Unloaded  
(2.655 GWh)  
0 LNG Loaded  
(0 GWh)



Physical production		Aug-18	Aug-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	<b>Total</b>	<b>GWh/day</b>	<b>392</b>	<b>392</b>
<b>Monthly production</b>	<b>GWh</b>	<b>396</b>	<b>1.703</b>	

# Activity at Bilbao plant



Contract information (Average value)		Aug-18	Aug-19
Send-out	GWh/day	103	231
LNG Trucks	GWh/day	2	4
% average contract vs. nominal		46%	94%
% average contract use		83%	≈100%

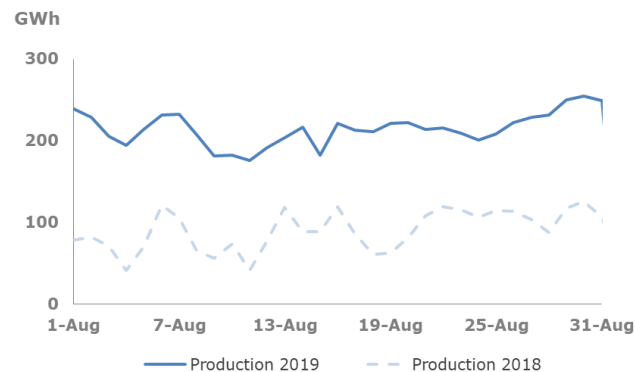
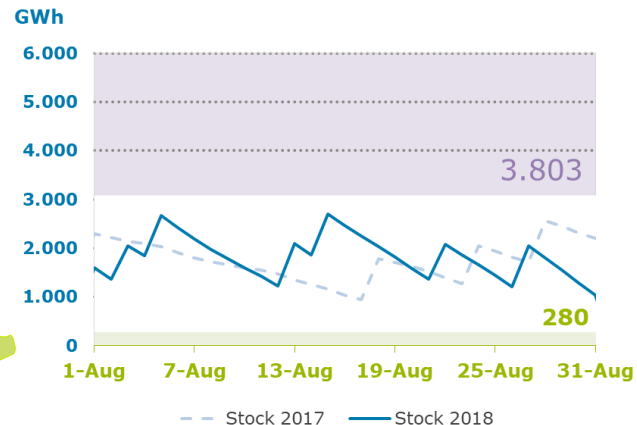
2018

4 LNG Unloaded  
(3.510 GWh)  
0 LNG Loaded  
(0 GWh)



2019

7 LNG Unloaded  
(6.922 GWh)  
0 LNG Loaded  
(0 GWh)



Physical production			Aug-18	Aug-19
Nominal	Send-out	GWh/day	223	244
	LNG Trucks	GWh/day	5	5
	<b>Total</b>	<b>GWh/day</b>	<b>228</b>	<b>249</b>
<b>Monthly production</b>		<b>GWh</b>	<b>2.813</b>	<b>6.662</b>

# Activity at Sagunto plant



Contract information (Average value)		Aug-18	Aug-19
Send-out	GWh/day	0	185
LNG Trucks	GWh/day	3	4
% average contract vs. nominal		1%	65%
% average contract use		52%	84%

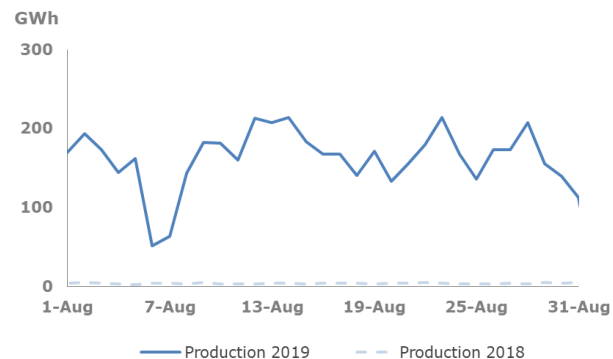
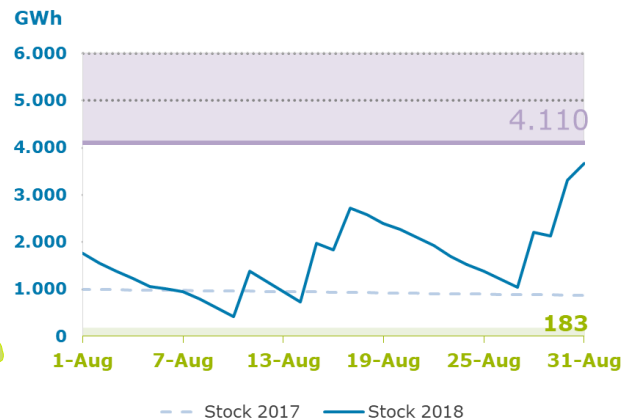
2018

2019

0 LNG Unloaded  
(0 GWh)  
0 LNG Loaded  
(0 GWh)



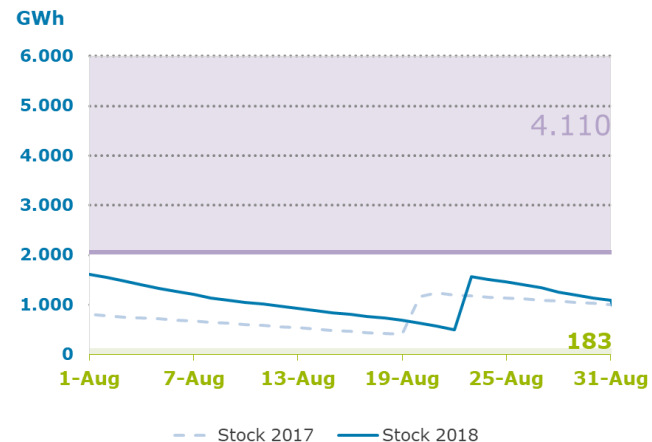
5 LNG Unloaded  
(6.719 GWh)  
0 LNG Loaded  
(0 GWh)



Physical production		Aug-18	Aug-19	
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	<b>Total</b>	<b>GWh/day</b>	290	290
<b>Monthly production</b>	<b>GWh</b>	123	5.042	

# Activity at Mugardos plant

Contract information (Average value)		Aug-18	Aug-19
Send-out	GWh/day	23	63
LNG Trucks	GWh/day	3	4
% average contract vs. nominal		21%	54%
% average contract use		79%	77%



2018

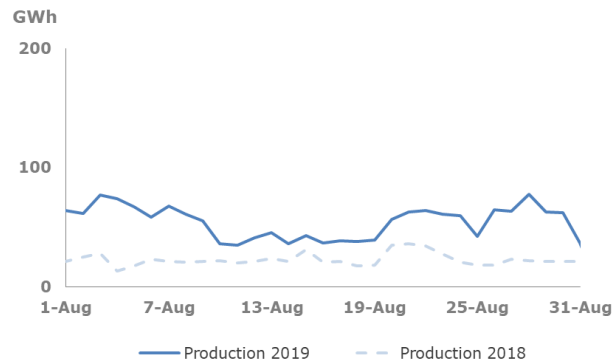
1 LNG Unloaded  
(898 GWh)  
0 LNG Loaded  
(0 GWh)



2019

1 LNG Unloaded  
(1.108 GWh)  
0 LNG Loaded  
(0 GWh)

Physical production		Aug-18	Aug-19	
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	<b>Total</b>	<b>GWh/day</b>	<b>126</b>	<b>126</b>
<b>Monthly production</b>		<b>GWh</b>	<b>710</b>	<b>1.692</b>



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Unloads and loads of LNG vessels

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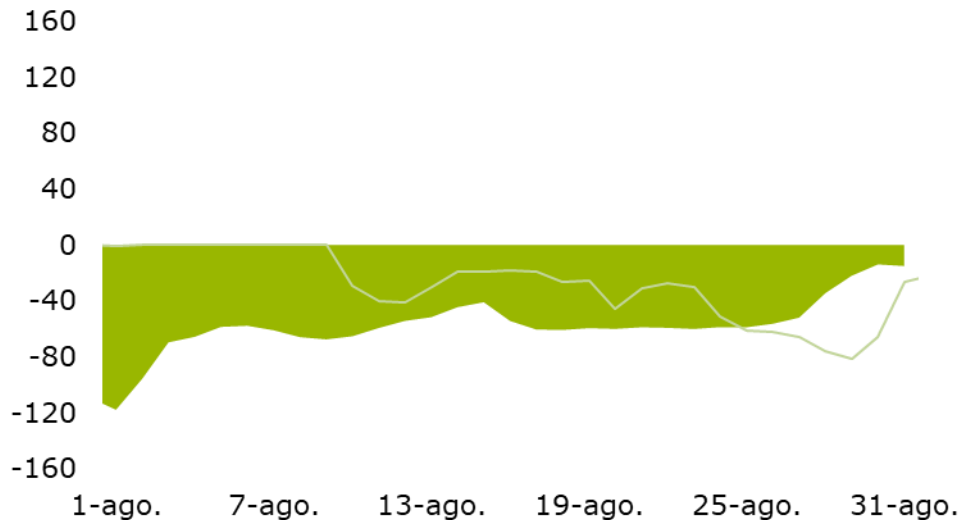
Activity by LNG plant

## 5. Underground storage

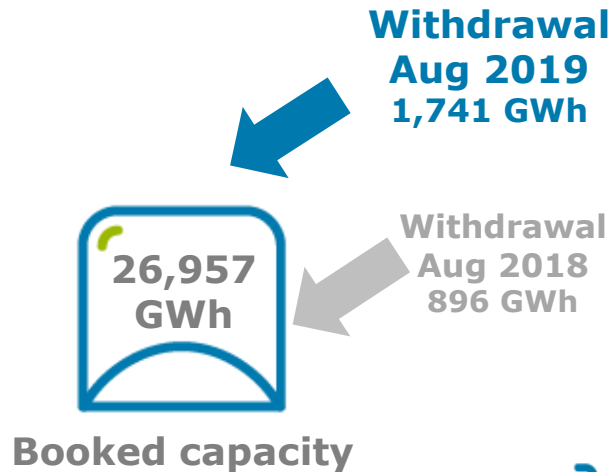
## 6. Operating notes

## Withdrawal / injection season

GWh/day



■ Injection — Injec. previous year





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## 1 Operating Note were published during August 2019



### **Operation Note nº 7 - August 2019** (PDF 149.85 KB)

September 2019: monthly capacity product auctions underground storage  
06/08/2019

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## Operation Note nº 7 – 06.08.2019



### **September 2019: monthly capacity product auctions underground storage**

According to the unloading ships forecasts and the level of the regasification tanks for the next month, and in order to be able to receive all the ships expected in the Spanish gas system, the monthly capacity product of September will be auctioned several times during the month of August.

The days of the september UGS auctions will be:

**Monday 19th of august at 9:00h**

**Monday 26th of august at 9:00h**

**Friday 30th of august at 09:00h**

The auction mechanism will be the established in "*Resolución de 30 de marzo de 2017, de la Secretaría de Estado de Energía, por la que se establece el procedimiento de asignación de capacidad de los almacenamientos subterráneos básicos, así como los derechos de inyección y extracción*".

For the calculation of September injection rights of each user, the addition of the capacities assigned in all the auctions will be considered.

If the described situation persists for the month of October, and depending on the available storage capacity, several auctions of the monthly product of October could also be carried out, which would be communicated

<sup>1</sup> by this means and in advance.

Thank you

