

# Statistical bulletin

## Technical Management of the System

October 2019

**PREVIEW**



# Content

A yellow sign with the ENAGAS logo and text is visible in the upper right corner of the slide. The sign is partially obscured and tilted.

## **1. Natural gas demand**

Natural gas demand flow-up

Evolution of conventional demand and power generation

Consumption by geographic location

## **2. Origin of supplies**

## **3. Interconnection Points**

## **4. Regasification Plants**

Unloads and loads of LNG vessels

Production at regasification plants

Activity by LNG plant

## **5. Underground storage**

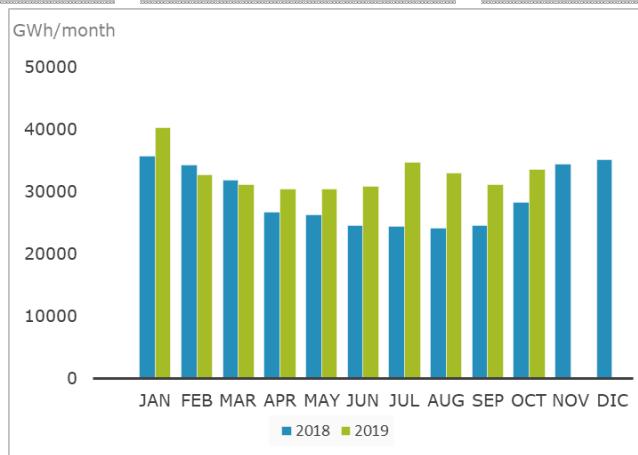
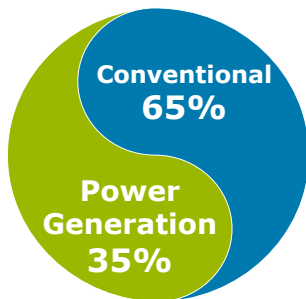
## **6. Operating notes**

# Natural Gas demand follow-up

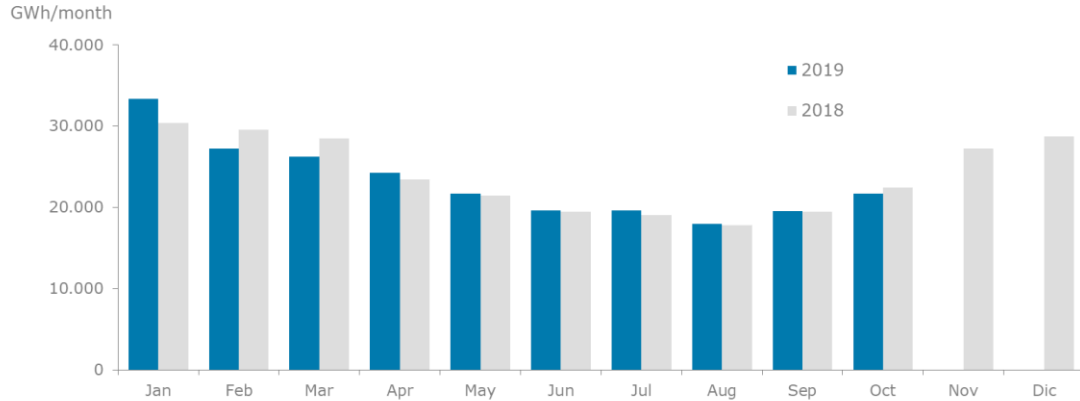
Unit : GWh

	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2018
	1 <sup>st</sup> to 30 <sup>th</sup> July		Year 2019		1 <sup>st</sup> August 2018 to 31 <sup>th</sup> July 2019	
<i>National Demand</i>	33.547	18,9%	315.929	12,9%	397.253	13,7%
- Conventional demand	21.693	-3,3%	231.271	-0,1%	287.231	-0,1%
- NG for Power Generation	11.853	105,8%	84.659	75,1%	110.022	78,0%
<i>International Demand</i>	0	0,0%	0	0,0%	0	0,0%
- International connections exports	479	-74,4%	6.293	-77,8%	8.940	-71,1%
- LNG Vessel loading	46,07	100,0%	280	-94,4%	291	-94,1%
<b>TOTAL</b>	<b>34.072</b>	<b>12,1%</b>	<b>322.502</b>	<b>6,8%</b>	<b>406.484</b>	<b>5,5%</b>

National demand  
October - 2019

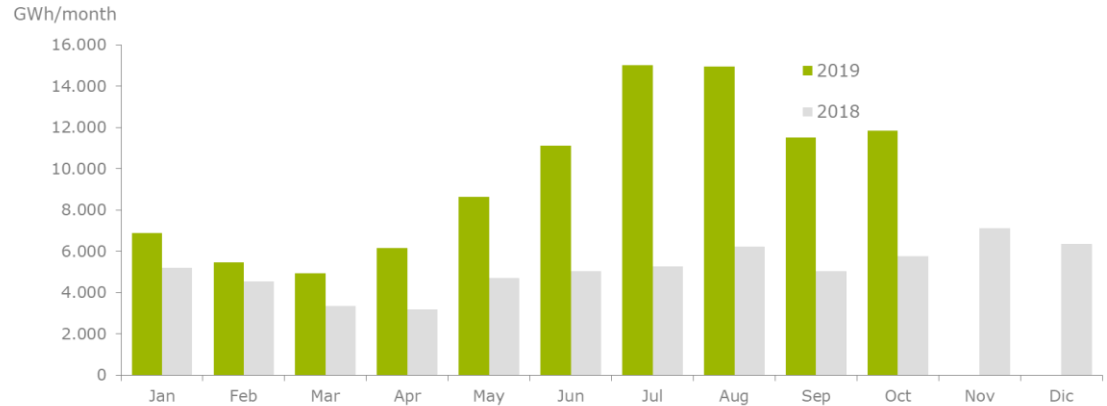


# Natural Gas demand follow-up



**Conventional demand  
2018 - 2019**

**NG for Power Generation  
2018 - 2019**



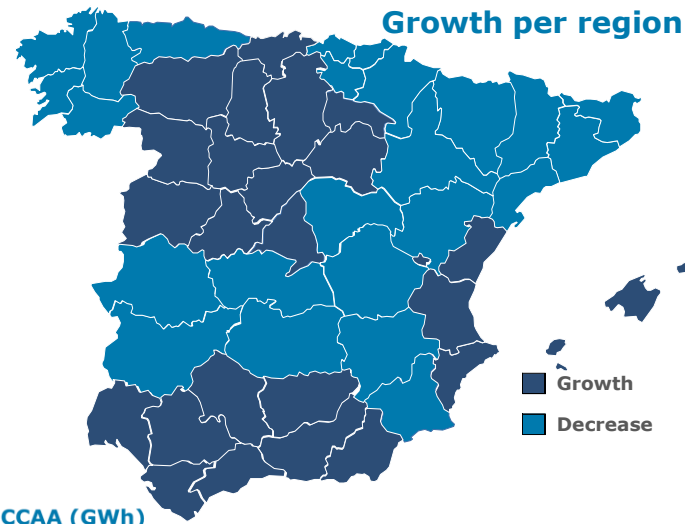
# Conventional demand

## Comparison 2018-2019

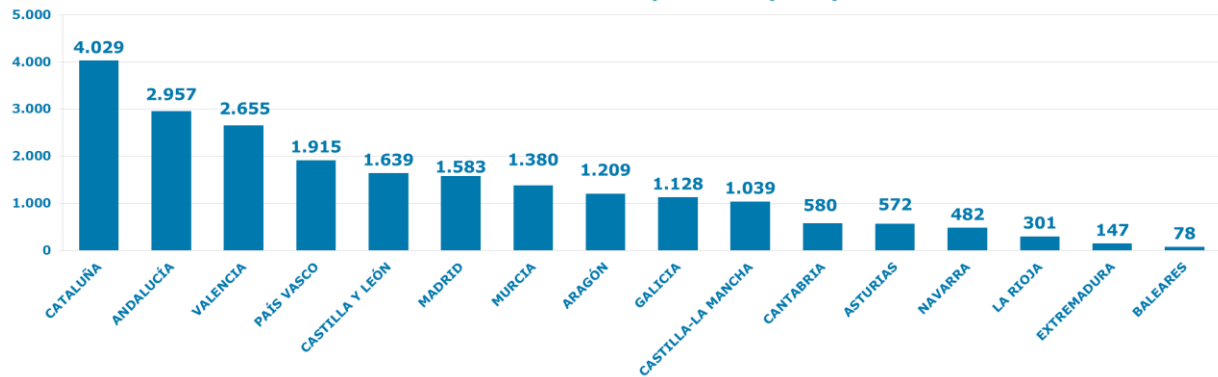
Unit: GWh



Increase -3,3% vs. 2018

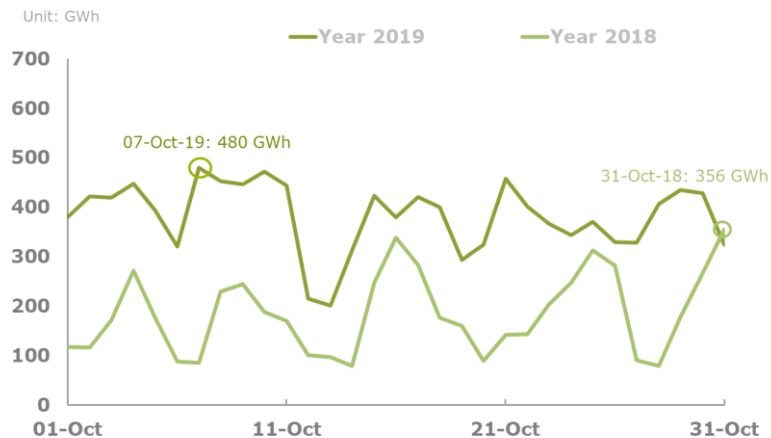


Conventional demand per CCAA (GWh)

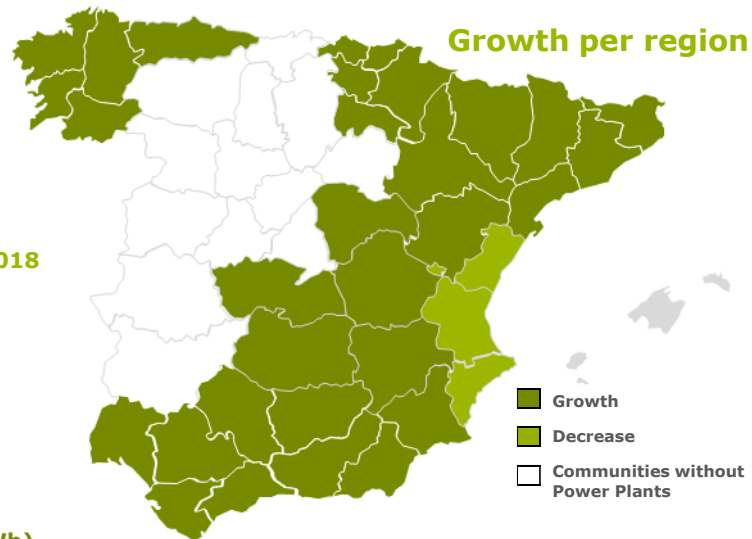


# Natural gas for power generation

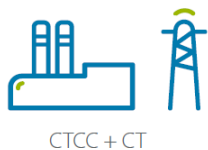
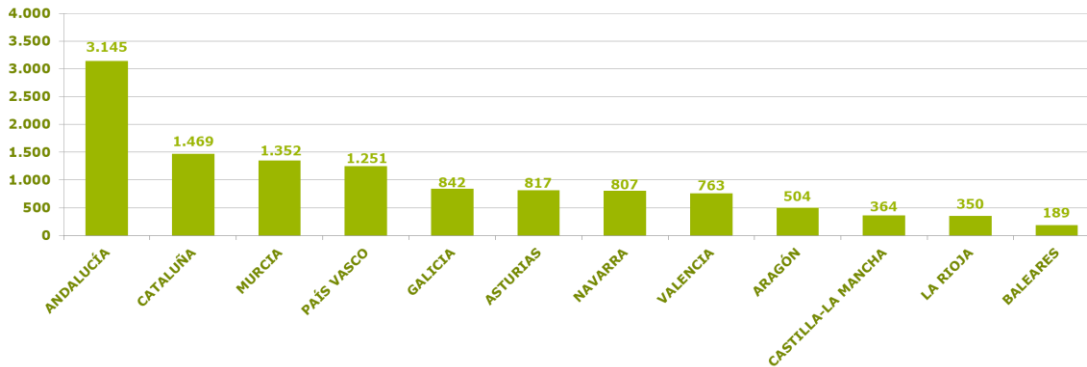
## Comparison 2018-2019



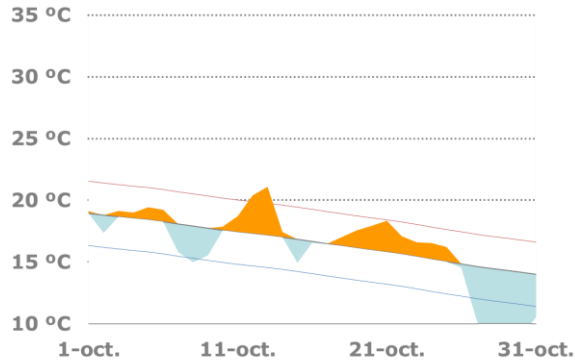
Increase 105,8% vs. 2018



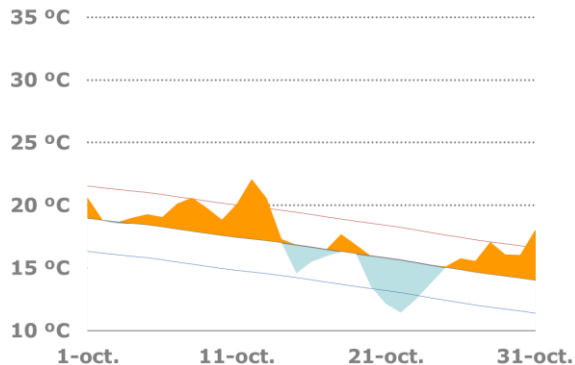
### NG for Power Generation (GWh)



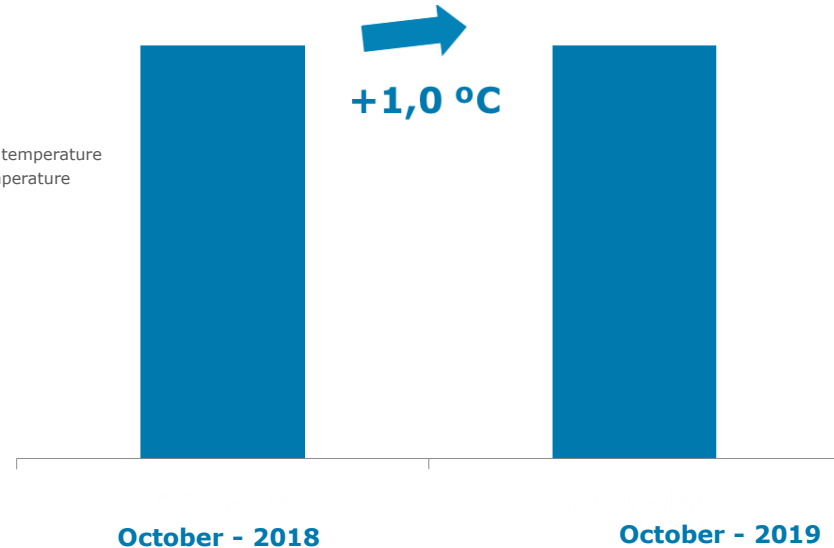
## Temperatures 2018



## Temperatures 2019

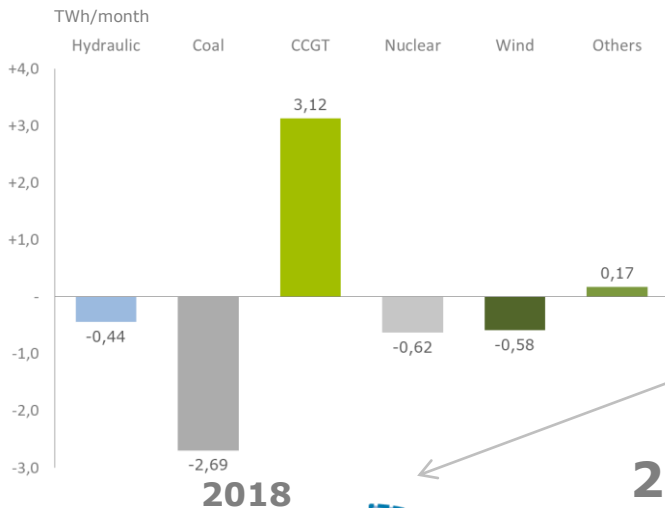


- Temperatures have been highest during October 2019 in comparison with October 2018.
- The average temperature has been **+1.0°C** highest than the average of October 2018

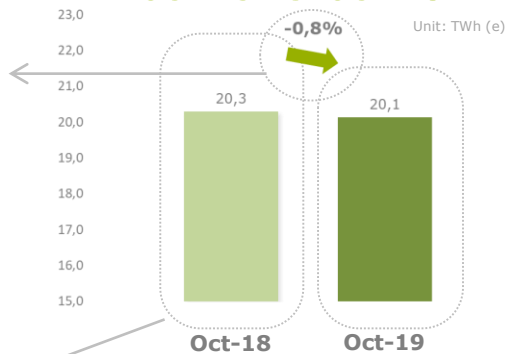


# Gas for power generation

## GROWTH OCT-19 VS. OCT-18

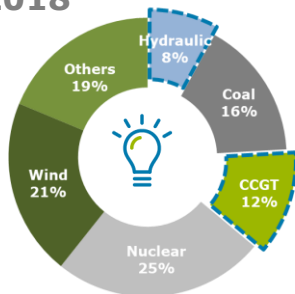
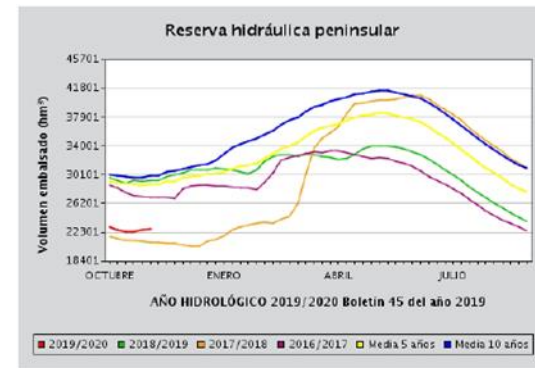


## TRANSMISSION DEMAND OCT-19 VS. OCT-18

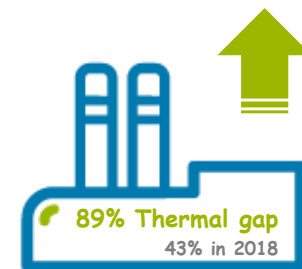
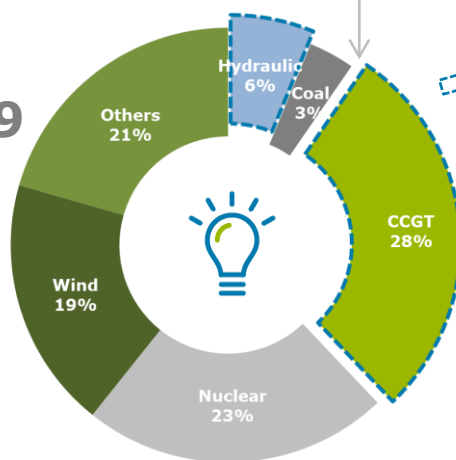


## CAPACITY

**TOTAL :** 56,113 hm<sup>3</sup> = 23,281 GWh  
**ACTUAL :** 23,281 hm<sup>3</sup> = 7,905 GWh



2019





# Gas for power generation

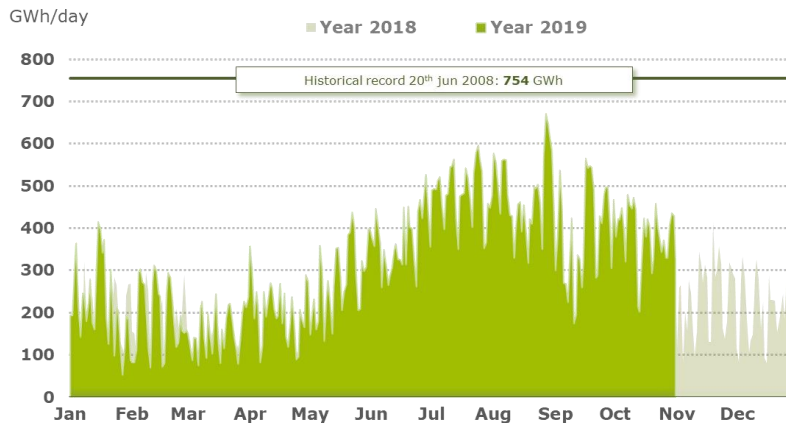


## Monthly record

## Mobile Annual Total Record

Unit: GWh

	Oct-18	Oct-19	Δ s/oct-18	Year 2019	MAT Nov-2018/Oct-2019	Δ over/Year 2018
<b>NG for Power Generation</b>	<b>5.760</b>	<b>11.853</b>	<b>+105,8%</b>	<b>96.540</b>	<b>110.022</b>	<b>+78,0%</b>
- Thermal Power Plants	30	12	-59%	95	130	-41,4%
- CCGT's	5.730	11.841	+107%	96.445	109.892	+78,4%
<b>Maximum daily consumption</b>	<b>356</b>	<b>480</b>	<b>+35%</b>	<b>671</b>	<b>671</b>	-
	31-Oct-18	07-Oct-19		27-Aug-19	27-Aug-19	
<b>Minimum daily consumption</b>	<b>80</b>	<b>202</b>	<b>+152%</b>	<b>51</b>	<b>51</b>	-
	28-Oct-18	13-Oct-19		27-Jan-19	27-Jan-19	



# Content



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## 6. Operating notes

# Origin of supplies

		Monthly record		Annual Total record		Mobile Annual Total record	
Unit: GWh		Oct-18	Oct-19	Year 2019	% 2019	MAT Nov-18/Oct-19	% MAT
Algeria	NG	12.401	13.025	95.749	} 30,9%	124.766	} 33,2%
	LNG	994	1.612	12.078		15.057	
Nigeria	LNG	3.910	2.962	40.536	11,6%	50.930	12,1%
Qatar	LNG	3.668	2.155	43.526	12,5%	48.009	11,4%
T&T	LNG	1.683	-	28.124	8,1%	33.249	7,9%
Peru	LNG	2.803	3.178	4.038	1,2%	8.762	2,1%
France	NG	4.395	5.108	47.073	} 13,5%	57.384	} 13,6%
	LNG	-	-	-		-	
Angola	LNG	-	-	3.051	0,9%	3.051	0,7%
United States	LNG	1.069	5.265	32.125	9,2%	33.126	7,9%
Norway	LNG	920	929	6.448	1,8%	7.390	1,8%
Bélgica	LNG	-	-	1.038	0,3%	1.038	0,2%
National gas field	NG	101	81	1.196	0,3%	1.462	0,3%
National biogas	NG	8	9	83	0,0%	102	0,0%
Portugal	NG	48	-	1.655	0,5%	1.667	0,4%
Dominican Republic	LNG	-	-	-	0,0%	-	0,0%
Russia	LNG	2.226	3.247	31.202	8,9%	33.385	7,9%
Cameroon	LNG	-	-	966	0,3%	1.829	0,4%
<b>TOTAL</b>		<b>34.226</b>	<b>37.572</b>	<b>348.889</b>	<b>100%</b>	<b>421.209</b>	<b>100%</b>

# Content

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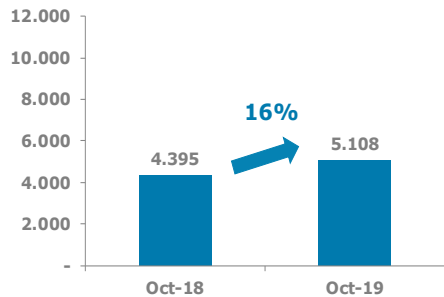
## 6. Operating notes

# Interconnection points

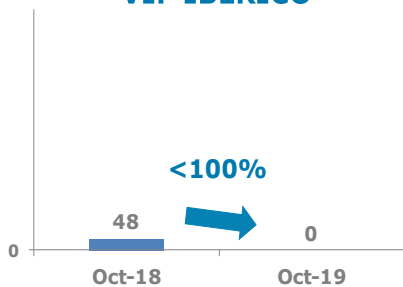
## Imports

Unit: GWh

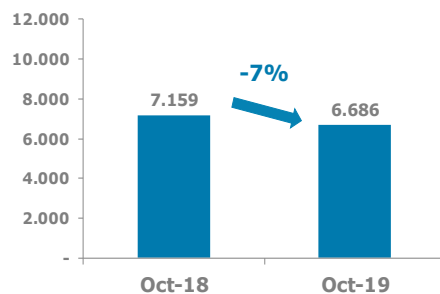
### VIP PIRINEOS



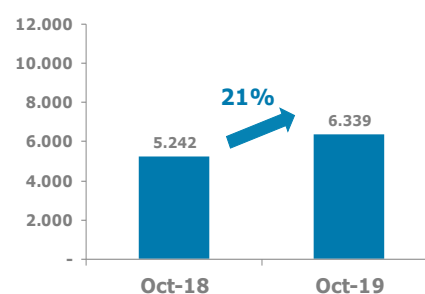
### VIP IBÉRICO



### ALMERÍA



### TARIFA



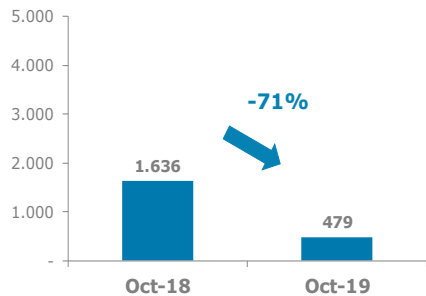
# Interconnection points

## Exports

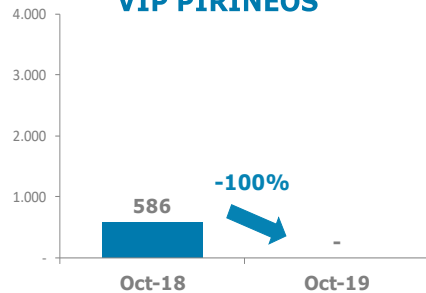
Unit: GWh



### VIP IBÉRICO



### VIP PIRINEOS



# Interconnection points

## Balance

### Monthly Record

### Monthly Mobile Annual Record

Unit: GWh	Oct-18	Oct-19	Δ over/Oct-18	Year 2019	MAT Nov-18/Oct-19	Δ s/2018
Tarifa GME	5.242	6.339	21%	42.420	56.732	-46%
Almería MEDGAZ	7.159	6.207	-13%	52.851	67.555	-15%
VIP PIRINEOS	3.809	5.108	34%	46.753	56.612	79%
VIP IBÉRICO	-1.589	-479	-70%	-4.317	-6.500	-71%
National gas field	101	81	-20%	1.196	1.462	51%
National biogas	8	9	8%	83	102	8%
<b>TOTAL</b>	<b>14.730</b>	<b>17.265</b>	<b>17%</b>	<b>138.985</b>	<b>175.962</b>	<b>-9,5%</b>



(+) Entry flows; (-) Exit flows

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# Activity at Barcelona plant

Contract information (Average value)		Oct-18	Oct-19
Send-out	GWh/day	163	159
LNG Trucks	GWh/day	9	15
% average contract vs. nominal		31%	31%
% average contract use		76%	51%



2018

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

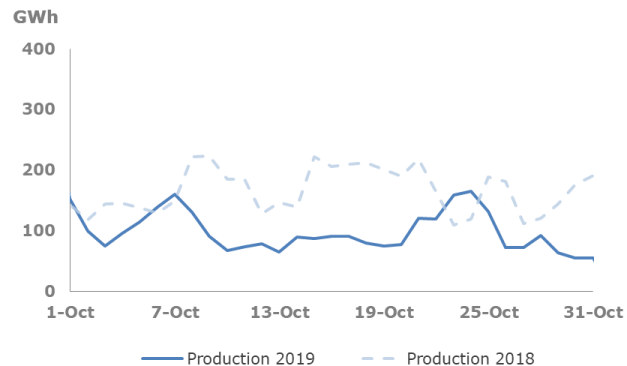
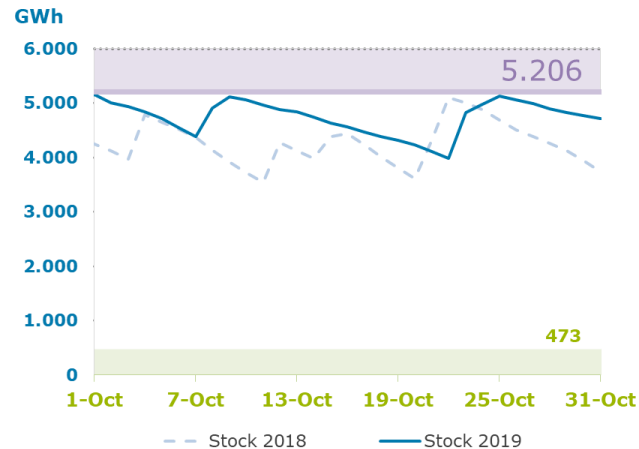


2019

3 LNG Unloaded  
(2.723 GWh)  
0 LNG Loaded  
(45 GWh)



\* Bunkering



Physical production		Oct-18	Oct-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>3.985</b>	<b>3.042</b>

# Activity at Huelva plant



Contract information (Average value)		Oct-18	Oct-19
Send-out	GWh/day	142	193
LNG Trucks	GWh/day	9	8
% average contract vs. nominal		39%	51%
% average contract use		61%	80%

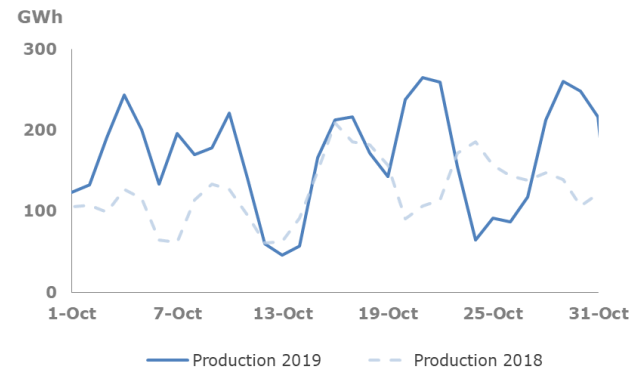
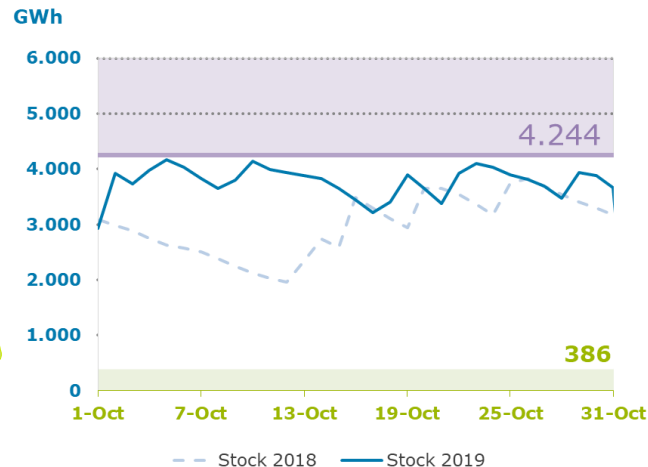
2018

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



2019

6 LNG Unloaded  
(5.891 GWh)  
1 LNG Loaded  
(46 GWh)



Physical production		Oct-18	Oct-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>2.900</b>	<b>5.227</b>	

# Activity at Cartagena plant

Contract information (Average value)		Oct-18	Oct-19
Send-out	GWh/day	10	74
LNG Trucks	GWh/day	7	9
% average contract vs. nominal		4%	21%
% average contract use		101%	31%

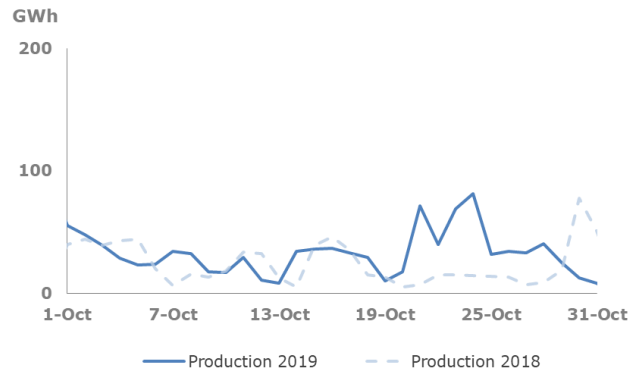
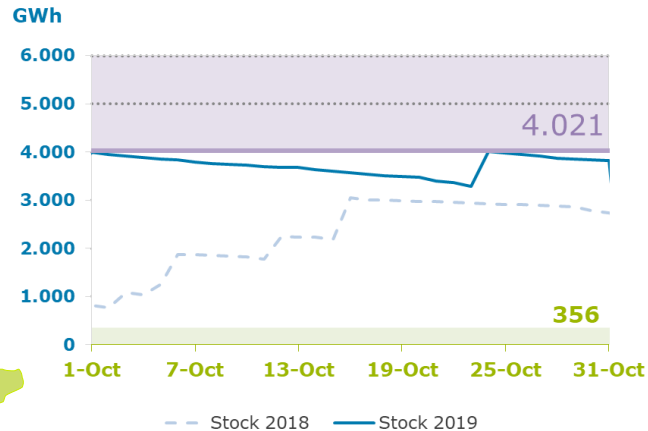
2018

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



2019

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



Physical production		Oct-18	Oct-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production	GWh	379	1.019	

# Activity at Bilbao plant



Contract information (Average value)		Oct-18	Oct-19
Send-out	GWh/day	106	198
LNG Trucks	GWh/day	2	5
% average contract vs. nominal		47%	89%
% average contract use		85%	≈100%

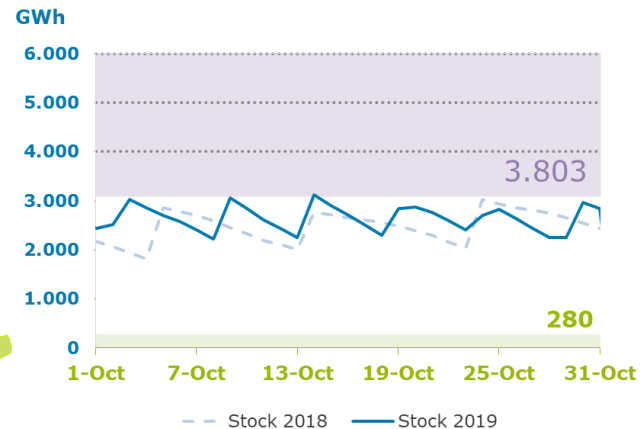
2018

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

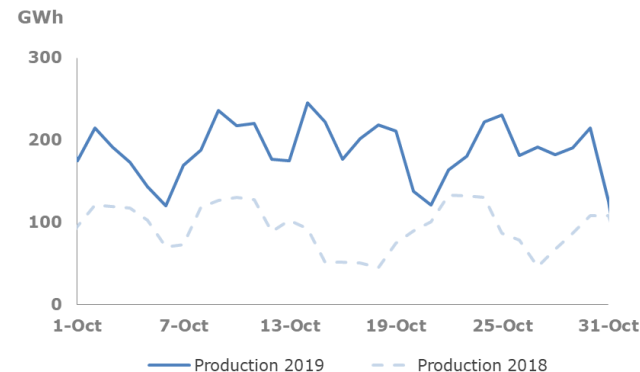


2019

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



Physical production		Oct-18	Oct-19	
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	249
Monthly production	GWh	2.683	5.823	



# Activity at Sagunto plant

Contract information (Average value)		Oct-18	Oct-19
Send-out	GWh/day	0	57
LNG Trucks	GWh/day	3	5
% average contract vs. nominal		1%	21%
% average contract use		52%	71%

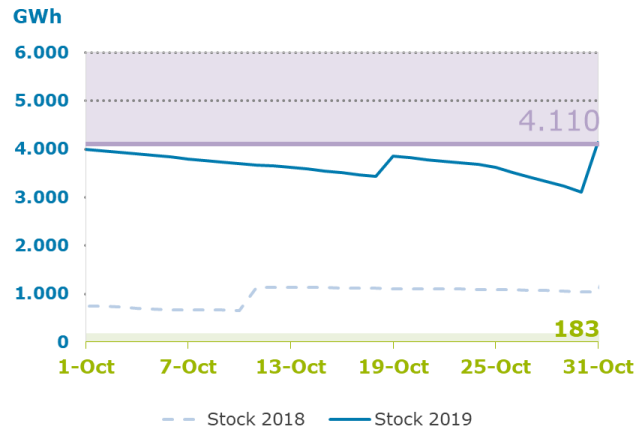
2018

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

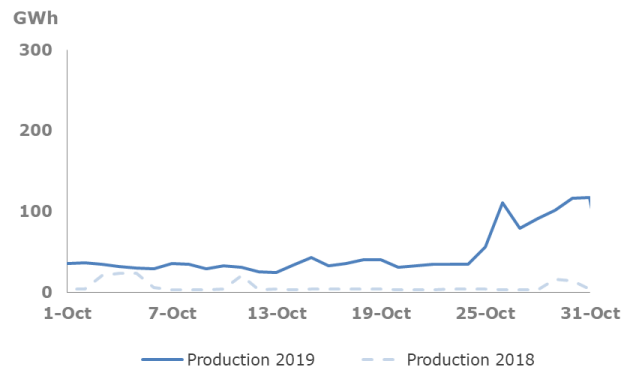


2019

2 LNG Unloaded  
(1.564 GWh)  
0 LNG Loaded  
(0 GWh)



Physical production			Oct-18	Oct-19
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	<b>Total</b>	<b>GWh/day</b>	<b>290</b>	<b>290</b>
<b>Monthly production</b>		<b>GWh</b>	<b>116</b>	<b>1.484</b>



# Activity at Mugardos plant

Contract information (Average value)		Oct-18	Oct-19
Send-out	GWh/day	31	48
LNG Trucks	GWh/day	4	4
% average contract vs. nominal		28%	42%
% average contract use		97%	83%

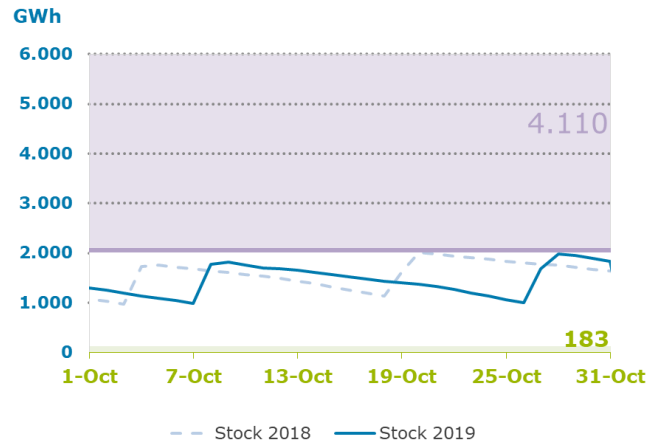
2018

2019

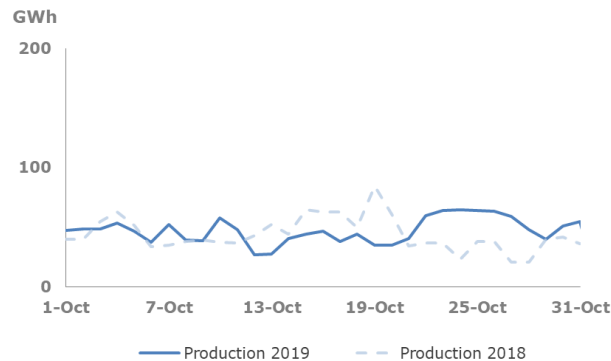
1 LNG Unloaded  
(996 GWh)  
0 LNG Loaded  
(0 GWh)



2 LNG Unloaded  
(1.973 GWh)  
0 LNG Loaded  
(0 GWh)



Physical production			Oct-18	Oct-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>886</b>	<b>1.468</b>



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A yellow sign with the ENAGAS logo and text is visible in the upper right corner of the slide. The sign is partially obscured by the white content box.

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Natural gas demand flow-up

Evolution of conventional demand and power generation

Consumption by geographic location

## 2. Origin of supplies

## 3. Interconnection Points

## 4. Regasification Plants

Unloads and loads of LNG vessels

Production at regasification plants

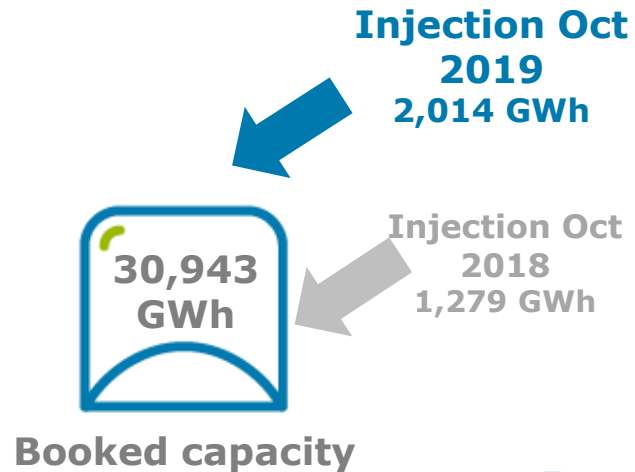
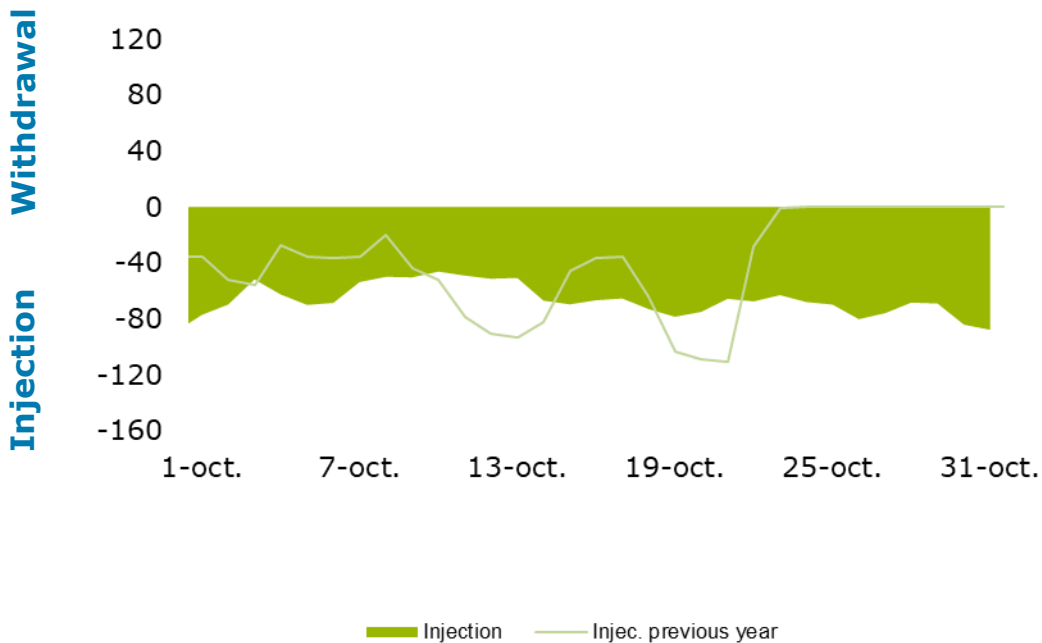
Activity by LNG plant

## 5. Underground storage

## 6. Operating notes

## Withdrawal / injection season

GWh/day





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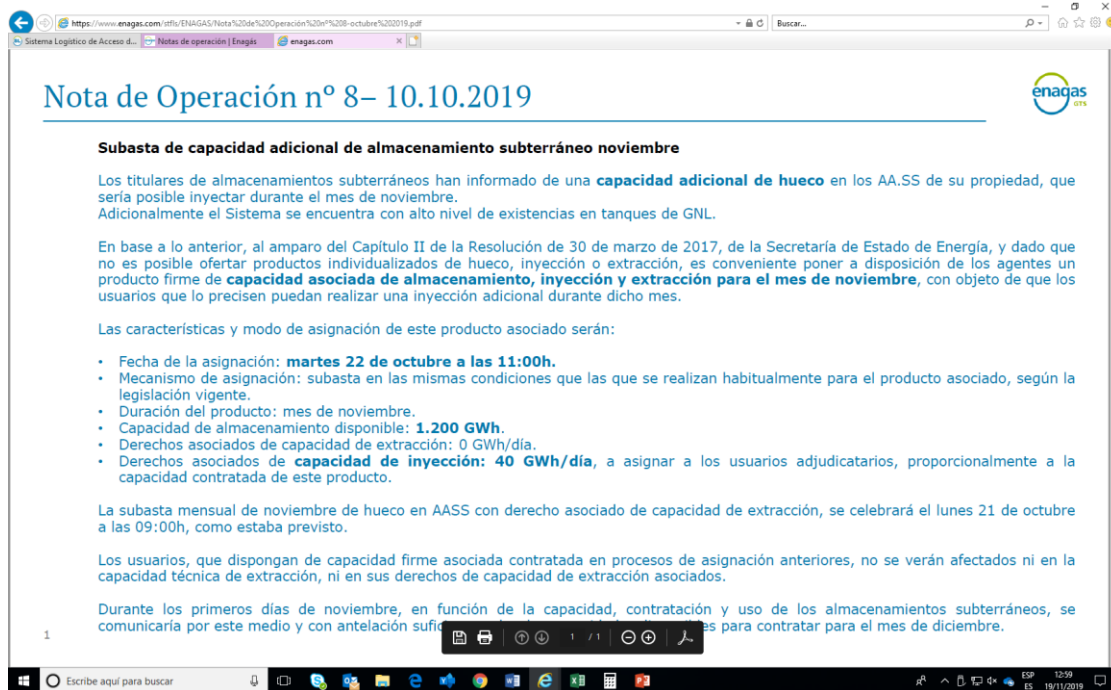
Production at regasification plants

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## 5. Underground storage

## 6. Operating notes

## Operating Note were published during **October 2019**



Nota de Operación n° 8- 10.10.2019

**Subasta de capacidad adicional de almacenamiento subterráneo noviembre**

Los titulares de almacenamientos subterráneos han informado de una **capacidad adicional de hueco** en los AA.SS de su propiedad, que sería posible inyectar durante el mes de noviembre. Adicionalmente el Sistema se encuentra con alto nivel de existencias en tanques de GNL.

En base a lo anterior, al amparo del Capítulo II de la Resolución de 30 de marzo de 2017, de la Secretaría de Estado de Energía, y dado que no es posible ofertar productos individualizados de hueco, inyección o extracción, es conveniente poner a disposición de los agentes un producto firme de **capacidad asociada de almacenamiento, inyección y extracción para el mes de noviembre**, con objeto de que los usuarios que lo precisen puedan realizar una inyección adicional durante dicho mes.

Las características y modo de asignación de este producto asociado serán:

- Fecha de la asignación: **martes 22 de octubre a las 11:00h.**
- Mecanismo de asignación: subasta en las mismas condiciones que las que se realizan habitualmente para el producto asociado, según la legislación vigente.
- Duración del producto: mes de noviembre.
- Capacidad de almacenamiento disponible: **1.200 GWh.**
- Derechos asociados de capacidad de extracción: 0 GWh/día.
- Derechos asociados de **capacidad de inyección: 40 GWh/día**, a asignar a los usuarios adjudicatarios, proporcionalmente a la capacidad contratada de este producto.

La subasta mensual de noviembre de hueco en AASS con derecho asociado de capacidad de extracción, se celebrará el lunes 21 de octubre a las 09:00h, como estaba previsto.

Los usuarios, que dispongan de capacidad firme asociada contratada en procesos de asignación anteriores, no se verán afectados ni en la capacidad técnica de extracción, ni en sus derechos de capacidad de extracción asociados.

Durante los primeros días de noviembre, en función de la capacidad, contratación y uso de los almacenamientos subterráneos, se comunicará por este medio y con antelación suficiente a los usuarios para que puedan realizar las contrataciones necesarias para el mes de diciembre.



The Operating notes can be checked at the [Enagás Website](#)

Thank you

