



**ADVANCE**



# Statistical bulletin

## November 2020

Technical Management of the System

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# Content

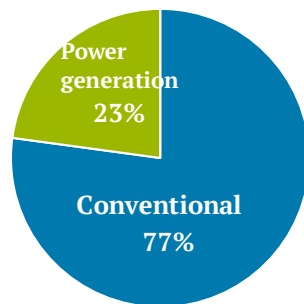
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- 1. Evolution of gas demand**
  - 1. Conventional demand**
  - 2. Power generation**
  - 3. CCAA**
2. Demand coverage
  1. Origin of supplies
  2. Interconnection Points
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground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

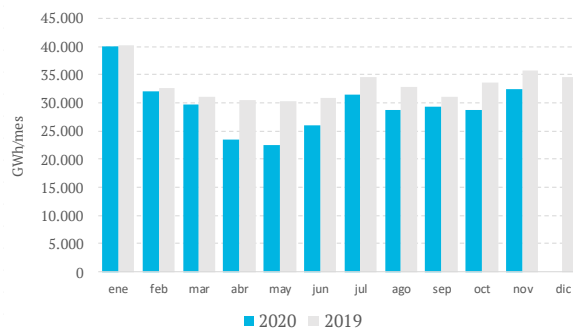
# 1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Nov-2020	%Δ s/2019	Jan-Nov 2020	%Δ s/2019	MAT: Dec 2019-Nov 2020	%Δ MAT vs 2019
<b>National Market demand</b>	<b>32.479</b>	<b>-9,3%</b>	<b>324.267</b>	<b>-10,8%</b>	<b>358.791</b>	<b>-9,9%</b>
Conventional	25.059	-8,4%	241.479	-6,6%	269.759	-6,0%
Power generation	7.421	-12,4%	82.788	-21,2%	89.032	-20,0%
<b>International Market demand</b>	<b>1.481</b>	<b>-20,4%</b>	<b>12.287</b>	<b>44,0%</b>	<b>15.971</b>	<b>30,7%</b>
International connections exports	1.269	-31,0%	11.335	39,2%	14.944	27,2%
LNG Vessel loading	211	>100%	952	143,4%	1.027	120,3%
<b>TOTAL</b>	<b>33.960</b>	<b>-9,9%</b>	<b>336.554</b>	<b>-9,6%</b>	<b>374.762</b>	<b>-8,7%</b>

National market demand November 2020

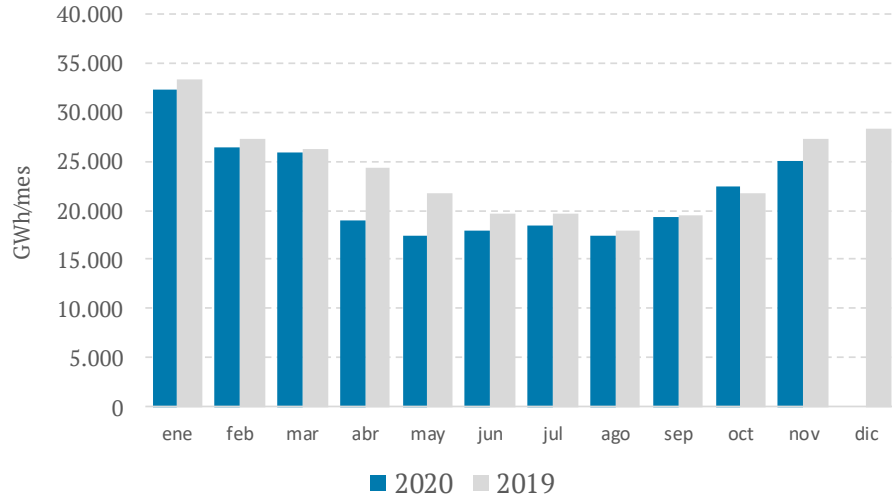


Total Demand

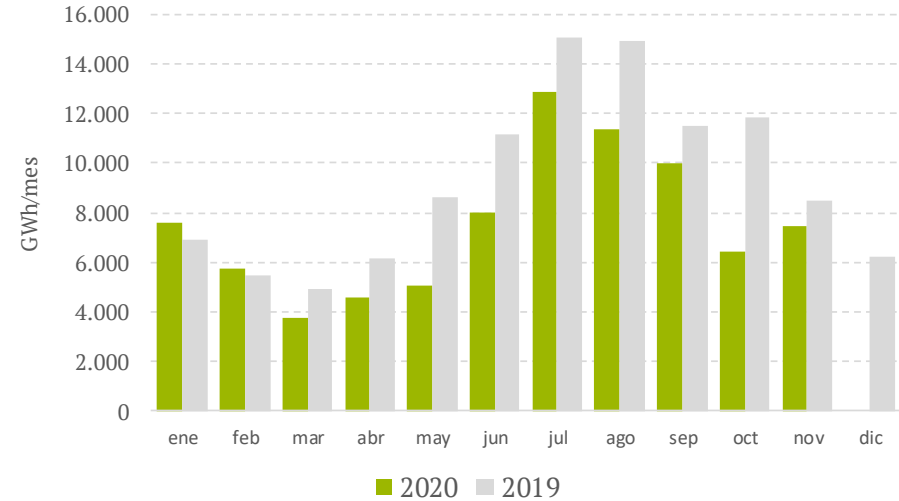


# 1. Evolution of gas demand

## Conventional Demand



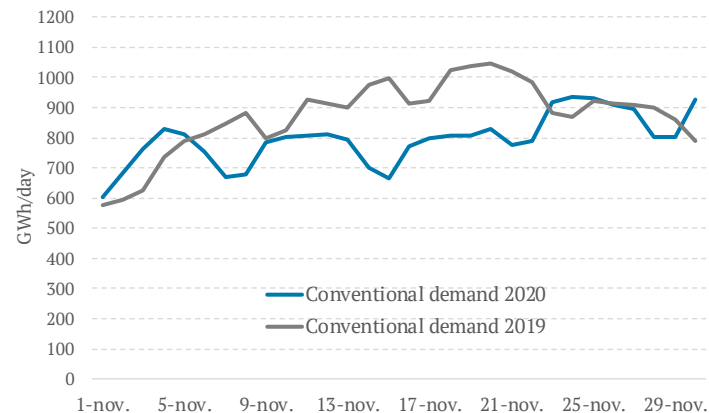
## Power Generation



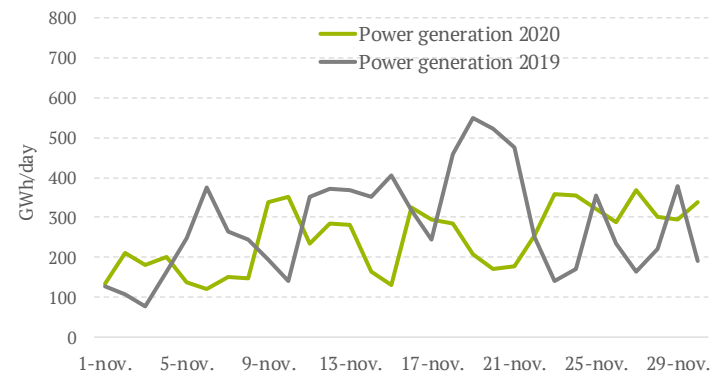
# 1. Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION	
	Nov-2020	%Δ s/Nov 2019	Nov-2020	%Δ s/Nov 2019
CATALUÑA	4.427	-13,8%	1.128	-11,9%
ANDALUCIA	2.323	-7,4%	1.283	-13,3%
VALENCIA	2.697	1,8%	847	12,0%
PAIS_VASCO	2.175	-2,4%	273	-70,6%
MURCIA	1.402	-0,7%	967	27,9%
CASTILLA_LEON	2.053	-7,0%	0	
ARAGON	1.477	-3,2%	304	-39,3%
GALICIA	1.086	-10,0%	422	-52,4%
CASTILLA_MANCHA	1.130	-10,7%	594	122,0%
MADRID	2.858	-15,3%	0	
ASTURIAS	662	-9,3%	468	-7,2%
NAVARRA	632	-6,5%	343	-35,1%
CANTABRIA	405	-35,2%	0	
LA RIOJA	313	-19,9%	285	17,1%
EXTREMADURA	170	-7,8%	0	
BALEARES	55	-42,5%	505	48,3%

Conventional demand daily evolution



Power generation daily evolution



# 1.1 Conventional demand

## Demand




### Conventional market

# -8,4%

Less than the previous year

## Temperatures



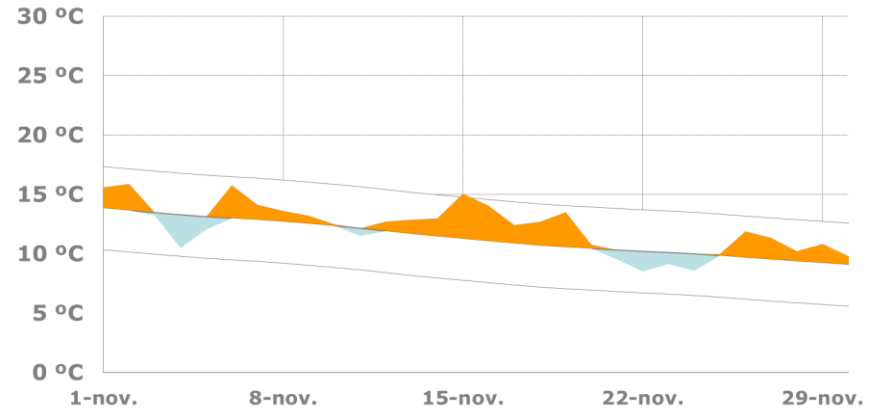
# +0,9°C

Hotter than the previous year

## Calendar and temperature correction

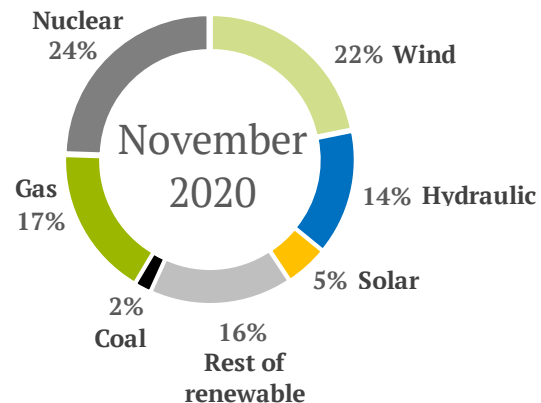
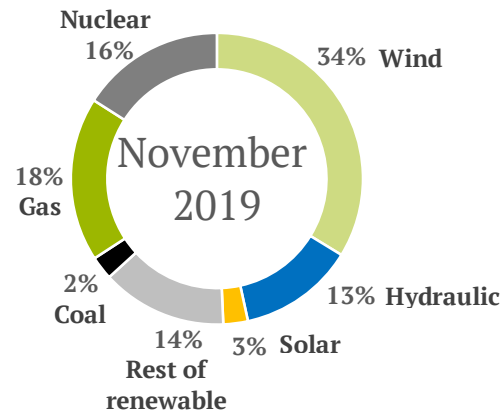
Demand	Conventional demand		Accumulated		MAT	
	November 2020 (*)		January-November 2020		December 19- November 20	
	GWh	%20 s/19	GWh	%20 s/19	GWh	% TAM s/19
	25.059	-8,4%	241.479	-6,6%	269.759	-6,0%
Calendar		-2,4%		-0,2%		0,4%
Temperature		-6,4%		-1,9%		-1,7%
Amended demand		0,4%		-4,5%		-4,7%

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



# 1.2 Power generation– electricity generation mix

TWh (e)	Nov 2019	Nov 2020
<b>Power generation</b>	20,8	19,7
<b>Wind</b>	7,3	4,2
<b>Hydraulic</b>	2,8	2,7
<b>Solar</b>	0,6	0,9
<b>Rest of renewable</b>	3,0	3,1
<b>Cogeneration</b>	2,5	2,4
<b>Others</b>	0,5	0,7
<b>Thermal Gap</b>	4,5	3,6
<b>Coal</b>	0,6	0,3
<b>Gas</b>	3,9	3,2
<b>% gas in TG</b>	88%	90%
<b>Nuclear</b>	3,4	4,7
<b>International balances</b>	-0,3	1,1
	export	import

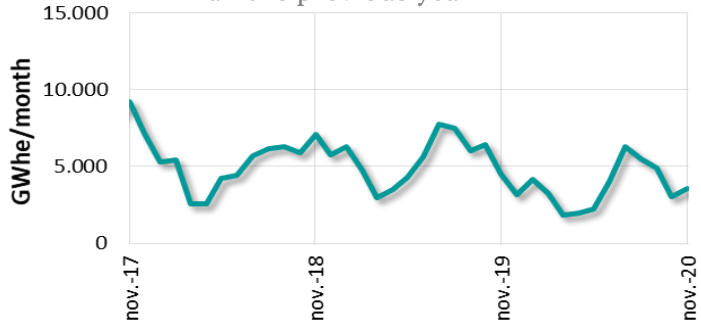


# 1.2 Power generation – Thermal Gap evolution

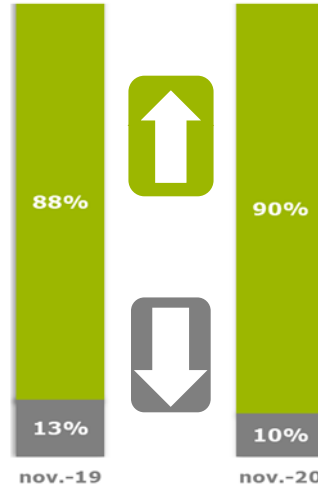
## Thermal Gap

**-20%**

Than the previous year



## %GAS/COAL



■ Generation gas mix

**-23** GWh(e)/day

■ Generation coal mix

**-7** GWh(e)/day

## Coal

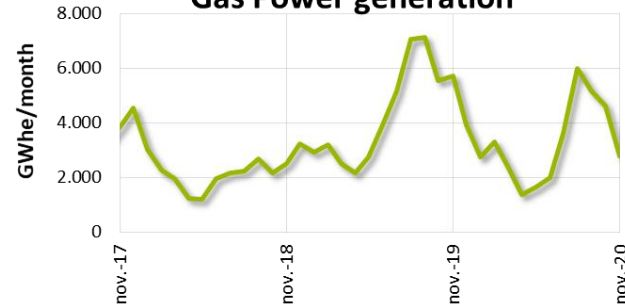


**-0,2 TWh/month(e)**



**-39%** vs oct-19

## Gas Power generation



**-0,7 TWh/month (e)**



**-18%** vs oct-19



# Content

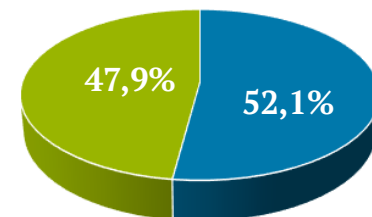
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2. **Demand coverage**
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## 2.1 Demand coverage: Origin of supplies

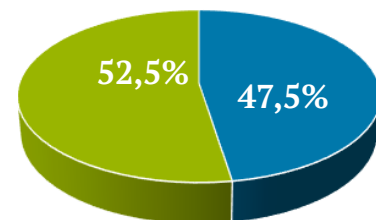
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)	
		Nov-2020	Nov-2019	Jan-Nov 2020	% s TOTAL	MAT: Dec 2019-Nov 2020	% s TOTAL
Algeria	NG	15.472	5.013	41.856	46,8%	123.229	35,7%
	LNG	494	0	3.874		8.958	
France	NG	741	2.099	7.495	7,7%	32.899	9,4%
	LNG	0	0	0		1.804	
Angola	LNG	0	0	0	0,0%	3.035	0,8%
Cameroon	LNG	0	0	0	0,0%	0	0,0%
United States	LNG	3.308	7.951	7.472	7,6%	45.294	12,2%
Equatorial Guinea	LNG	980	1.875	1.977	2,0%	7.690	2,1%
Nigeria	LNG	4.634	3.800	10.229	10,5%	46.789	12,6%
Norway	LNG	0	0	0	0,0%	4.578	1,2%
Peru	LNG	0	866	0	0,0%	1.010	0,3%
Qatar	LNG	1.790	1.632	5.378	5,5%	30.916	8,4%
Russia	LNG	3.230	5.401	11.304	11,6%	39.661	10,7%
Trinidad	LNG	860	1.326	5.534	5,7%	20.114	5,4%
Oman	LNG	0	0	0	0,0%	0	0,0%
Belgium	LNG	0	0	0	0,0%	0	0,0%
Argentina	LNG	0	375	0	0,0%	0	0,0%
Egypt	LNG	0	968	913	0,9%	913	0,2%
National deposits	NG	47	57	117	0,1%	419	0,1%
National Biogas	NG	9	9	27	0,0%	102	0,0%
<b>TOTAL</b>		<b>32.532</b>	<b>31.432</b>	<b>97.713</b>	<b>100%</b>	<b>370.138</b>	<b>100%</b>

November 2020



■ Total NG ■ Total LNG

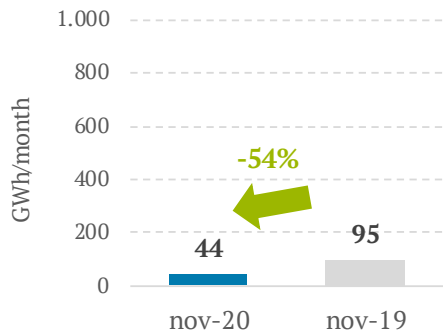
November 2019



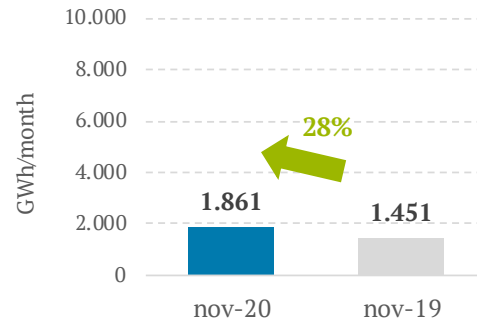
■ Total NG ■ Total LNG

## 2.2 Demand coverage : Interconnection Points

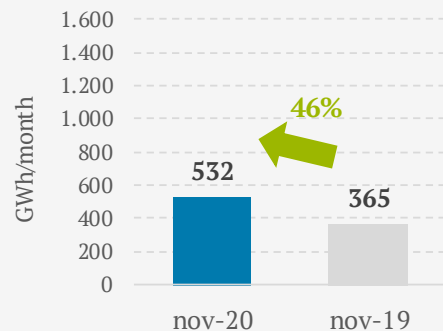
### VIP IBÉRICO (imports)



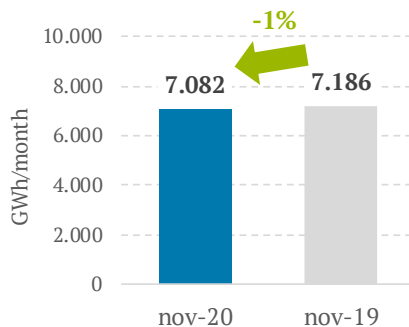
### VIP PIRINEOS (imports)



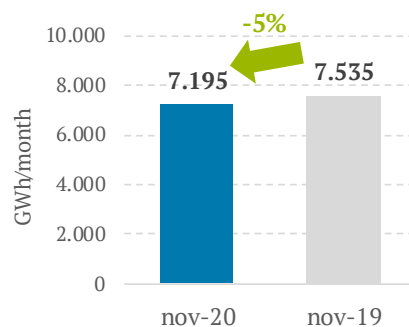
### VIP IBÉRICO (exports)



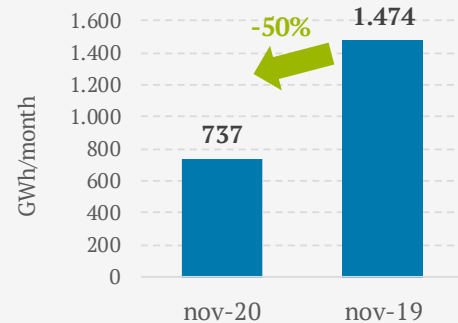
### TARIFA



### ALMERÍA



### VIP PIRINEOS (exports)



## 2.2 Demand coverage : Interconnection Points

### Net Balances (\*)

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Nov-2020	Nov-2019	%Δ s/2019	Jan-Nov 2020	%Δ s/2019	MAT: Dec 2019-Nov 2020	%Δ MAT vs 2019
Tarifa	7.082	7.186	-1,4%	34.549	-30,4%	42.562	-26,2%
Almería	7.195	7.535	-4,5%	53.152	-12,7%	60.943	-11,2%
VIP Ibérico	-489	-270	81,1%	-3.627	-20,9%	-4.363	-18,0%
VIP Pirineos	1.124	-23	<100%	22.592	-51,7%	20.568	-54,0%
National Deposits	31	84	-62,6%	391	-69,5%	465	-65,6%
Biogas	10	9	10,5%	83	-4,8%	91	-4,4%
<b>Total</b>	<b>14.954</b>	<b>14.522</b>	<b>3,0%</b>	<b>107.139</b>	<b>-30,4%</b>	<b>120.267</b>	<b>-28,1%</b>

(+) Entry flows (-) Exit flows

(\*) SL-ATR distribution data

# Content

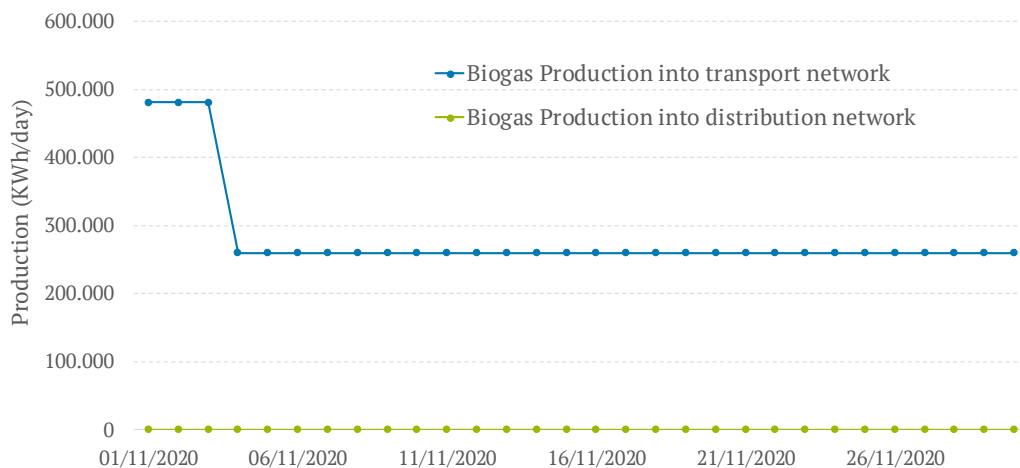
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  2. Power generation
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### 3. Renewable gases

#### BIOGAS production for transport and distribution network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Nov-2020	Nov-2020	%Δ s/2019	Jan-Nov 2020	%Δ s/2019	MAT: Dec 2019-Nov 2020	%Δ s/2019
BIOGÁS injected into transport network	9,9	9,0	10,5%	92,7	6,5%	100,8	6,0%
BIOGÁS injected into distribution network	0,00	0,3	-100,0%	2,1	>100%	2,3	>100%
<b>Total</b>	<b>9,9</b>	<b>9,3</b>	<b>7,0%</b>	<b>94,8</b>	<b>8,3%</b>	<b>103,1</b>	<b>7,5%</b>



(\*) SL-ATR distribution data

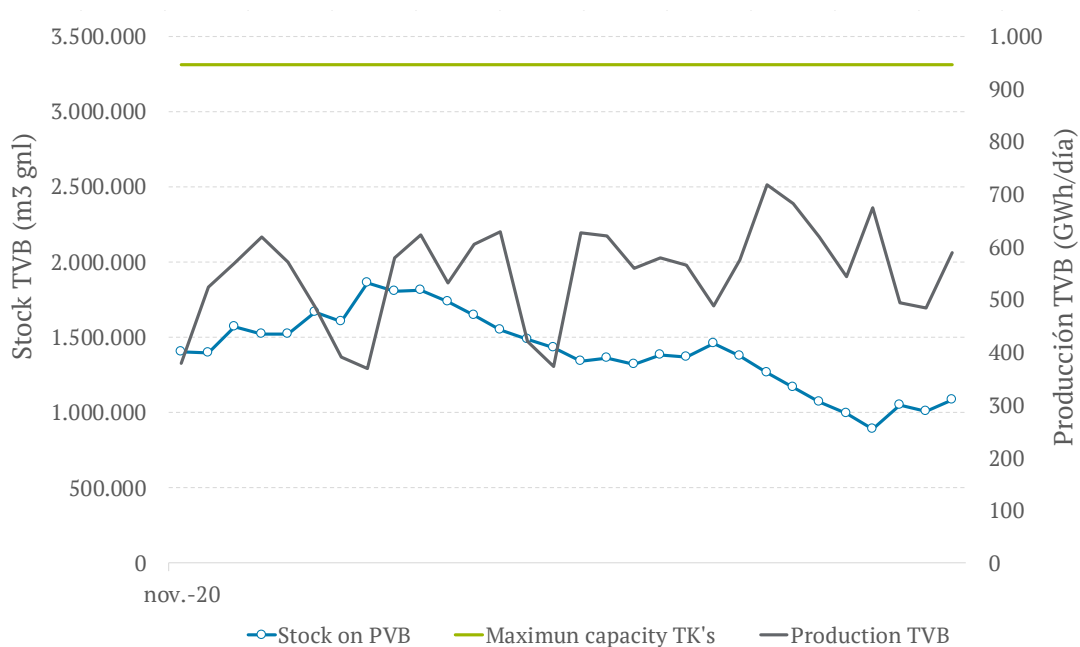
# Content

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  1. Conventional demand
  2. Power generation
  3. CCAA
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  1. Origin of supplies
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## 4. TVB activity

### TVB Stock evolution and TVB production



#### November 2020

GWh/month

Total capacity	57.450
Contracted capacity TVB	15.451
Available capacity	41.999
Commercial regasification	13.485



# Content

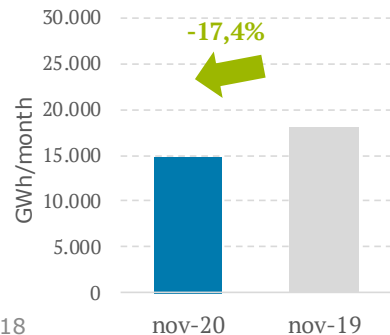
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  1. Conventional demand
  2. Power generation
  3. CCAA
2. Demand coverage
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- 5. Regasification Plants activity**
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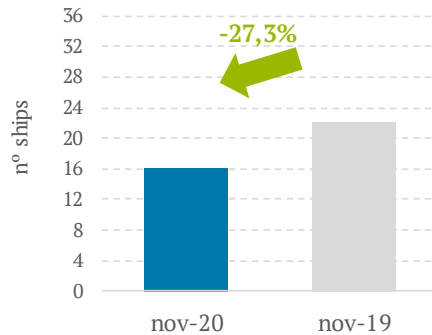
# 5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Nov-2020	Nov-2019	%Δ s/Nov 2019	Nov-2020	Nov-2019	%Δ s/Nov 2019	Nov-2020	Nov-2019	%Δ s/Nov 2019	Nov-2020	Nov-2019	%Δ s/Nov 2019
BARCELONA	1.874	4.498	-58,3%	3	5	-40,0%	37	0	>100%	297	258	15,4%
HUELVA	2.849	4.902	-41,9%	3	5	-40,0%	29	0	>100%	245	249	-1,5%
CARTAGENA	979	905	8,2%	1	2	-50,0%	0	0	-	255	241	5,7%
BILBAO	4.094	4.667	-12,3%	4	6	-33,3%	0	0	-	106	108	-1,9%
SAGUNTO	2.156	2.055	4,9%	2	2	0,0%	145	0	-	169	150	12,7%
MUGARDOS	2.916	965	>100%	3	2	50,0%	0	21	-	123	126	-2,5%
<b>Total</b>	<b>14.868</b>	<b>17.991</b>	<b>-17,4%</b>	<b>16</b>	<b>22</b>	<b>-27,3%</b>	<b>211</b>	<b>21</b>	<b>&gt;100%</b>	<b>1.195</b>	<b>1.131</b>	<b>5,6%</b>

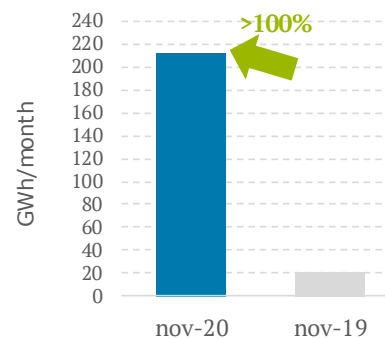
SHIPS UNLOADED



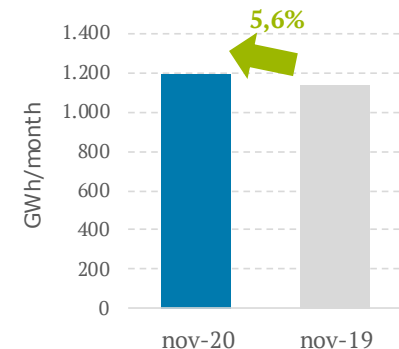
NUMBER OF SHIPS UNLOADED



SHIPS LOADED



LNG TRUCKS



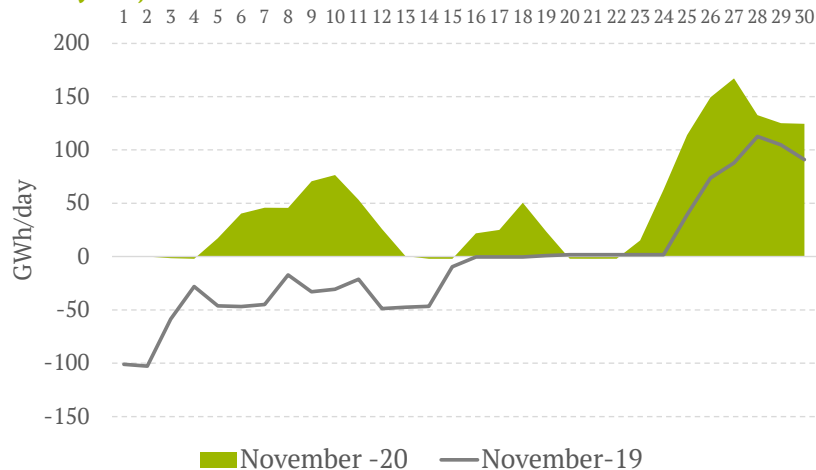
# Content

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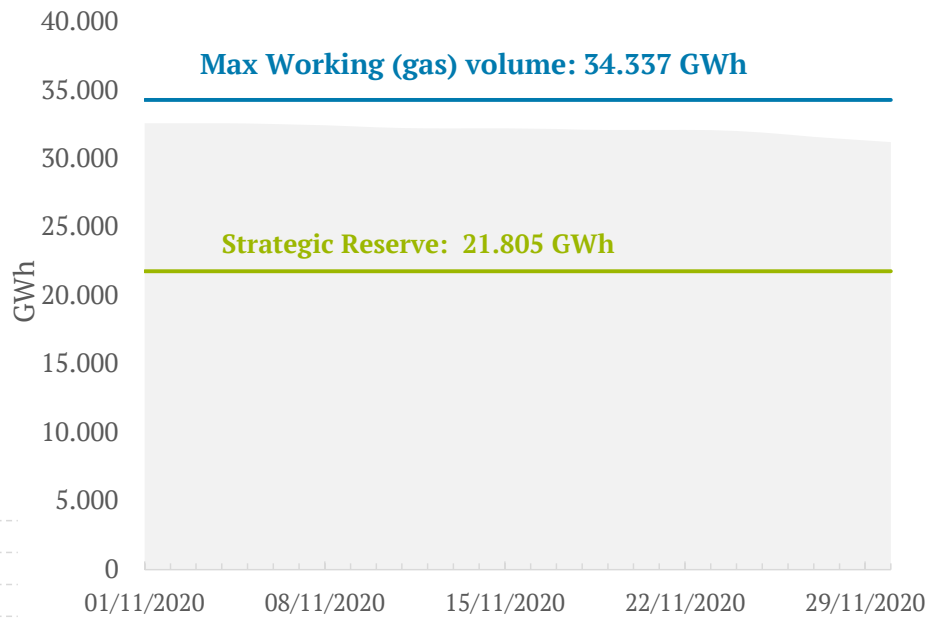
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# 6. UGS Activity

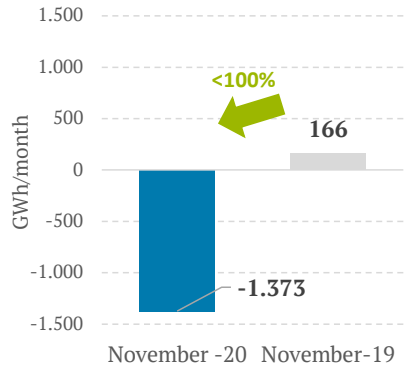
## Daily injection November 2020 vs November 2019



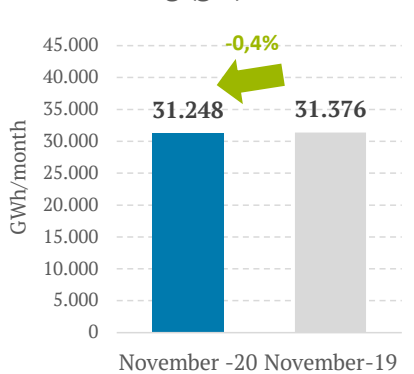
## Working (gas) evolution



### Withdrawal



### Working (gas) volumes



(\*) SL-ATR distribution data

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7. **Operating notes and other relevant facts**

## 7. Operating notes and other relevant facts

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### Operating notes:

In November 2020, **no Operation notes** have 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



Thank you

