

Statistical bulletin

Technical Management of the System

December 2019

PREVIEW



Content

A yellow sign with the ENAGAS logo and text is visible in the top right corner of the slide. The sign is partially cut off 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

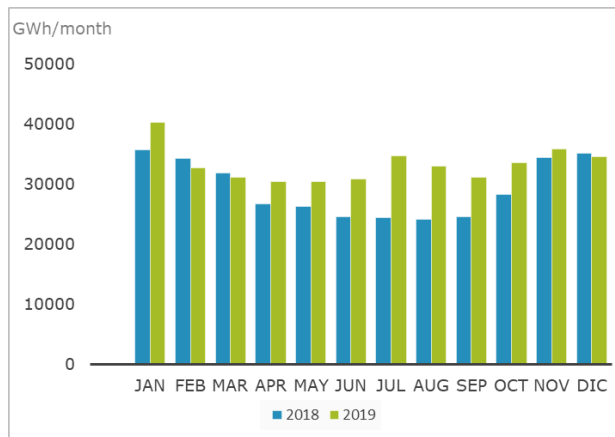
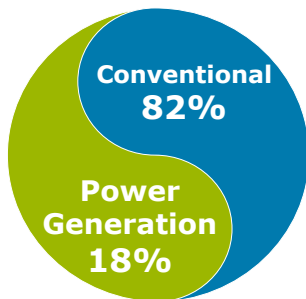
5. Underground storage

6. Operating notes

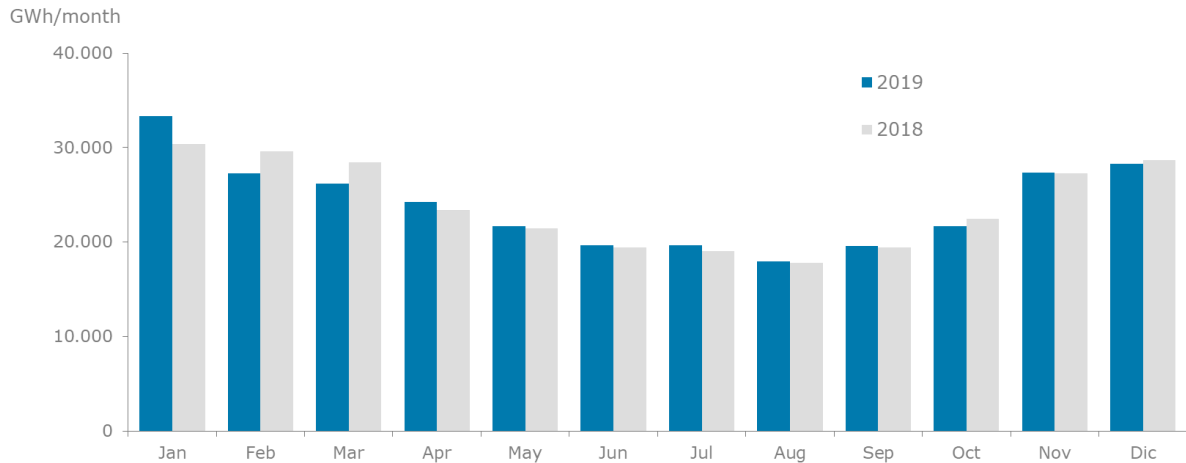
Natural Gas demand follow-up

Unit : GWh	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2018
	1 st to 31th December		Year 2019		1 st Jan 2019 to 31 nd Dec 2019	
<i>National Demand</i>	34.496	-1,6%	398.185	14,0%	398.185	14,0%
- Conventional demand	28.269	-1,5%	286.918	-0,2%	286.918	-0,2%
- NG for Power Generation	6.227	-2,0%	111.267	80,0%	111.267	80,0%
<i>International Demand</i>	0	0,0%	0	0,0%	0	0,0%
- International conections exports	3.611	158,9%	11.743	-62,1%	11.743	-62,1%
- LNG Vessel loading	27,05	100,0%	328	-93,4%	328	-93,4%
TOTAL	38.134	4,6%	410.256	6,5%	410.256	6,5%

National demand
December - 2019

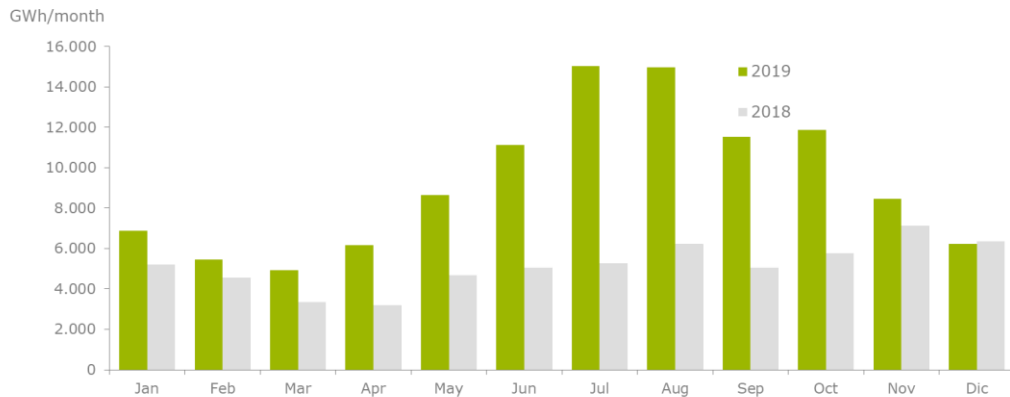


Natural Gas demand follow-up



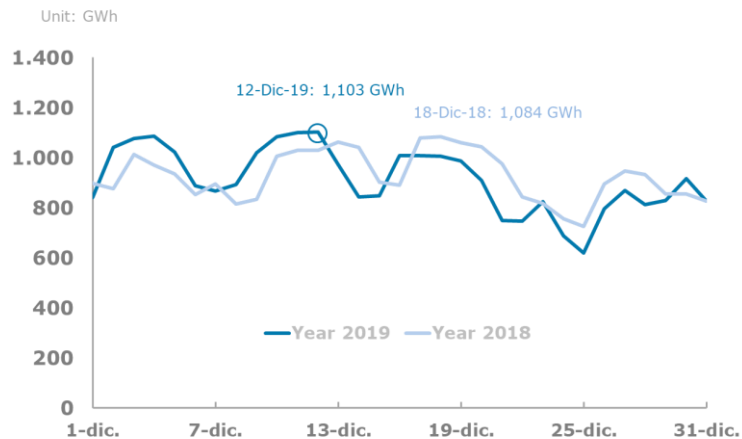
**Conventional demand
2018 - 2019**

**NG for Power Generation
2018 - 2019**

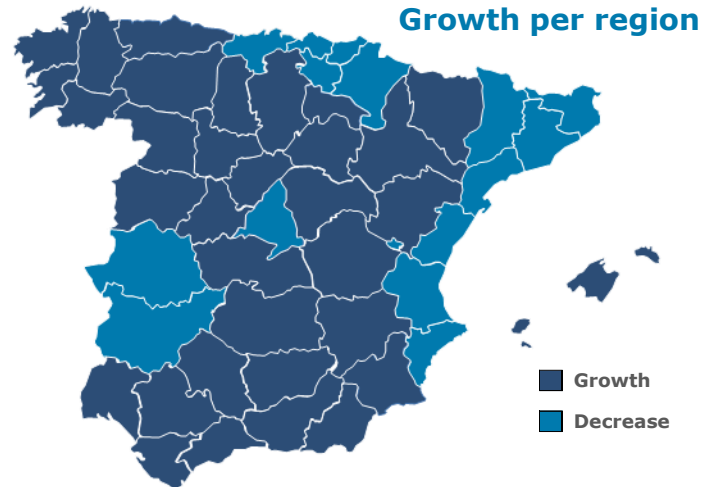


Conventional demand

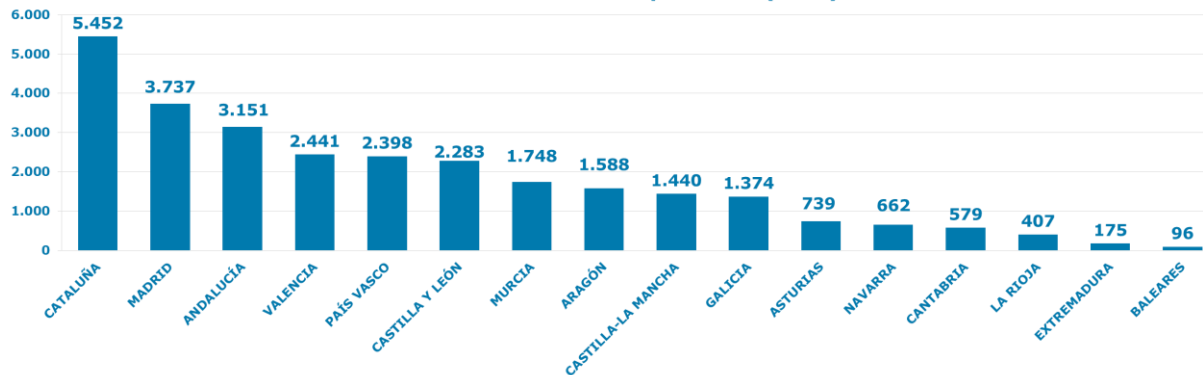
Comparison 2018-2019



Increase -1.5% vs. 2018

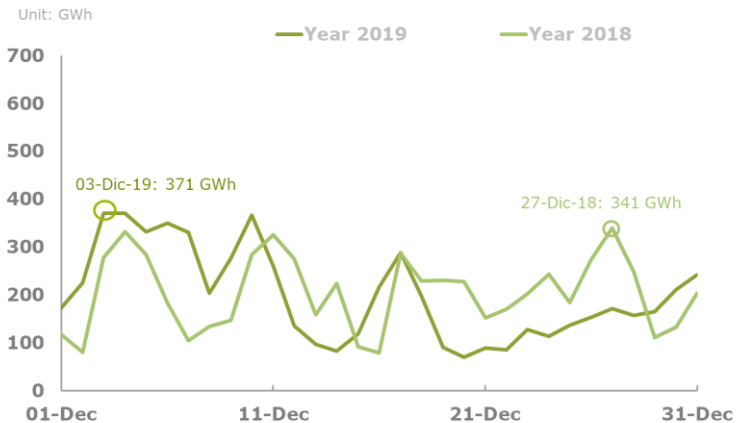


Conventional demand per CCAA (GWh)

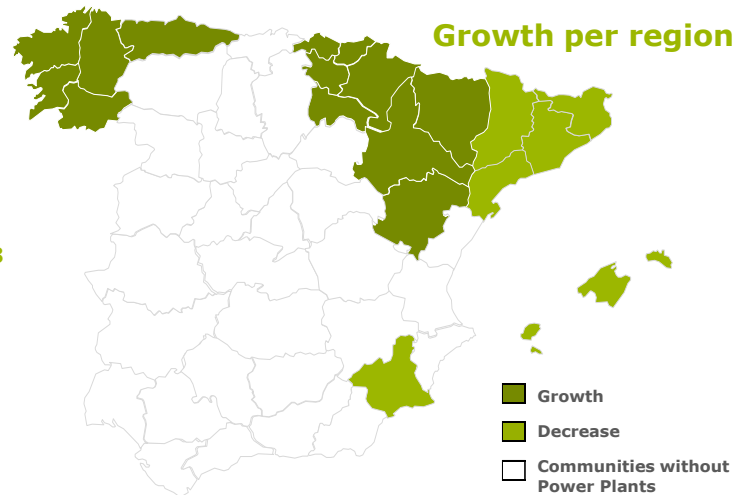


Natural gas for power generation

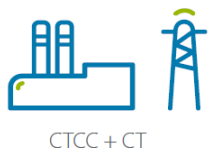
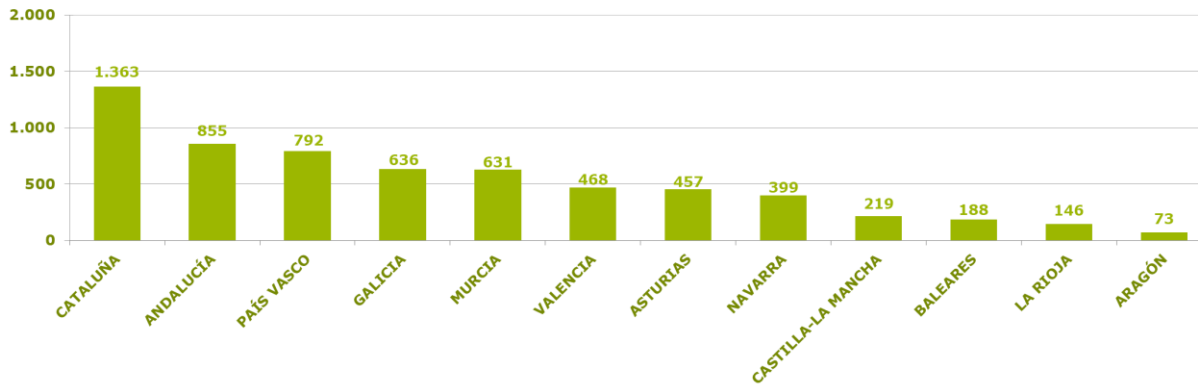
Comparison 2018-2019



Increase -2.2% vs. 2018

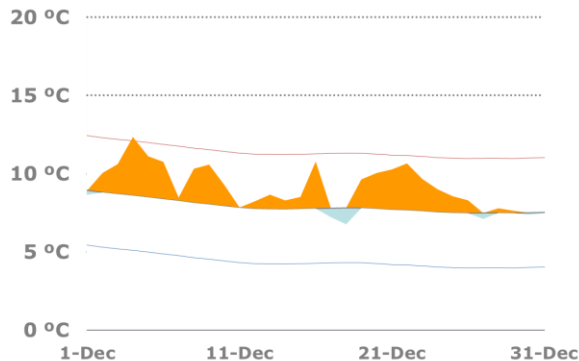


NG for Power Generation (GWh)

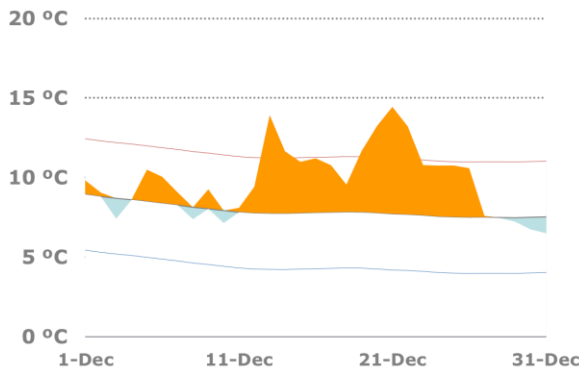


Demand - Temperatures

Temperatures 2018

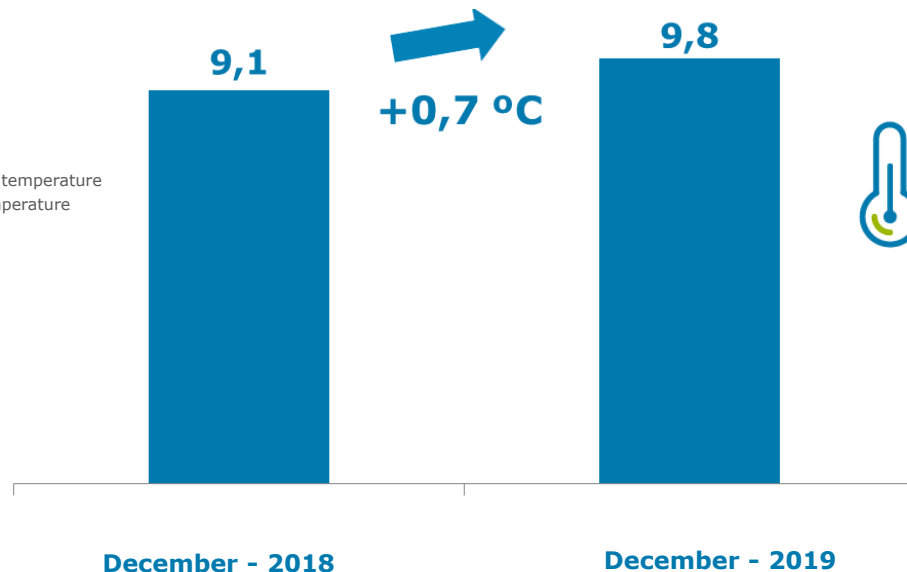


Temperatures 2019



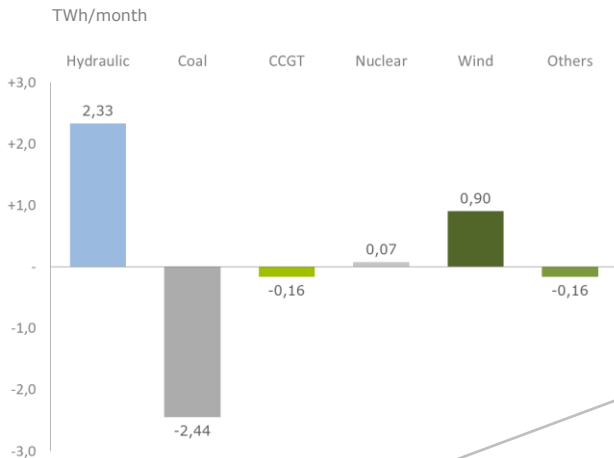
— Average temperature
— Real temperature

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

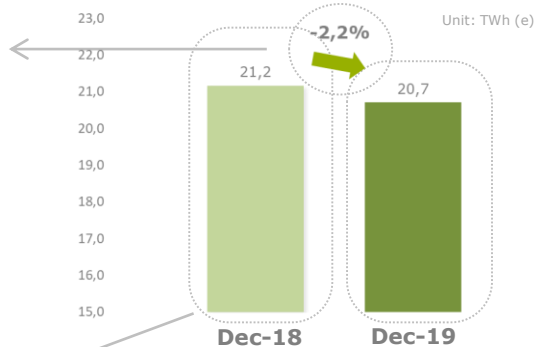


Gas for power generation

GROWTH DEC-19 VS. DEC-18

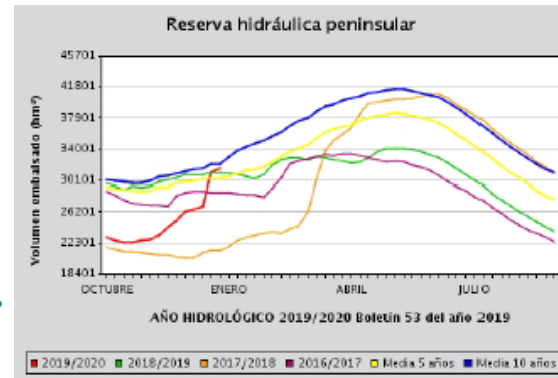


TRANSMISSION DEMAND DEC-19 VS. DEC-18

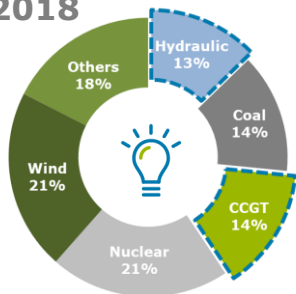


CAPACITY

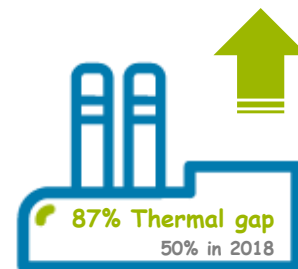
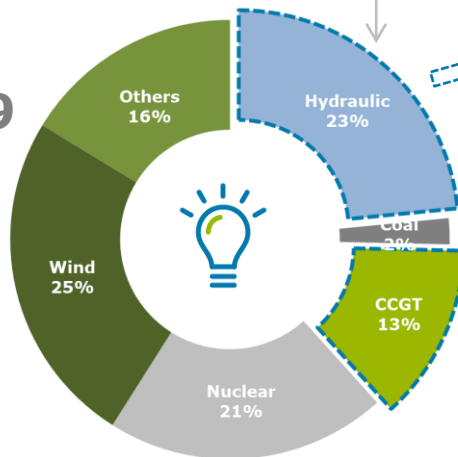
TOTAL : 55,622 hm³ = 22,964 GWh
ACTUAL : 31,487 hm³ = 12,278 GWh



2018



2019

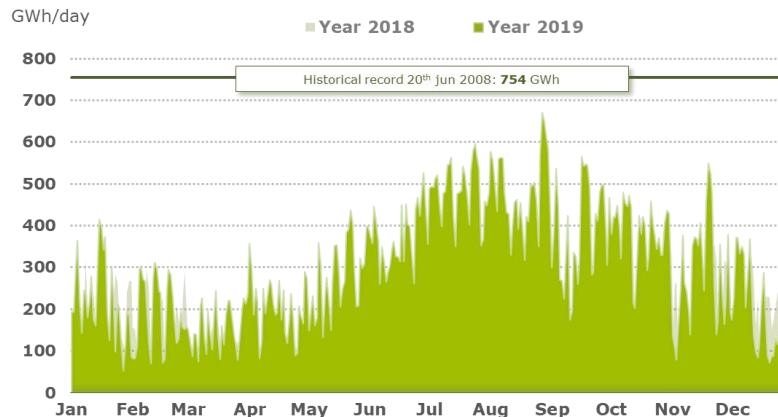


Gas for power generation



Unit: GWh

	Monthly record			Mobile Anual Total Record		
	Dec-18	Dec-19	Δ s/Dec-18	Year 2019	MAT Jan-2018/Dec-2019	Δ over/Year 2018
NG for Power Generation	6.355	6.227	-2,0%	111.267	111.267	+80,0%
- Thermal Power Plants	20	14	-33%	121	121	-45,5%
- CCGT's	6.334	6.213	-2%	111.146	111.146	+80,4%
Maximum daily consumption	341	371	+9%	671	671	-
	27-Dec-18	04-Dec-19		27-Aug-19	27-Aug-19	
Minimum daily consuption	80	71	-12%	51	51	-
	16-Dec-18	20-Dec-19		27-Jan-19	27-Jan-19	



Content



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

Origin of supplies

		Monthly record		Annual Total record		Mobile Annual Total record	
Unit: GWh		Dec-18	Dec-19	Year 2019	% 2019	MAT Jan-18/Dec-19	% MAT
Algeria	NG	14.685	15.792	126.261	} 33,0%	126.261	} 33,0%
	LNG	1.987	-	12.078		12.078	
Nigeria	LNG	5.086	4.584	47.943	11,4%	47.943	11,4%
Qatar	LNG	2.727	2.711	48.894	11,7%	48.894	11,7%
T&T	LNG	2.566	1.705	31.410	7,5%	31.410	7,5%
Peru	LNG	2.783	-	5.004	1,2%	5.004	1,2%
France	NG	5.397	669	49.197	} 11,7%	49.197	} 11,7%
	LNG	-	-	-		-	
Angola	LNG	-	-	3.051	0,7%	3.051	0,7%
United States	LNG	1.001	5.196	46.126	11,0%	46.126	11,0%
Norway	LNG	942	926	7.374	1,8%	7.374	1,8%
Bélgica	LNG	-	-	1.038	0,2%	1.038	0,2%
National gas field	NG	171	77	1.355	0,3%	1.355	0,3%
National biogas	NG	9	10	100	0,0%	100	0,0%
Portugal	NG	-	179	1.929	0,5%	1.929	0,5%
Dominican Republic	LNG	-	-	-	0,0%	-	0,0%
Russia	LNG	1.092	3.259	35.618	8,5%	35.618	8,5%
Camerún	LNG	863	-	966	0,2%	966	0,2%
Guinea Ecuatorial	LNG	-	975	975	0,2%	975	0,2%
TOTAL		39.312	36.082	419.320	100%	419.320	100%

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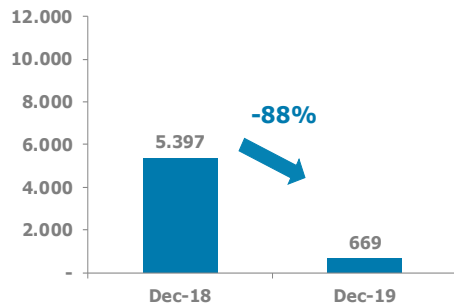
6. Operating notes

Interconnection points

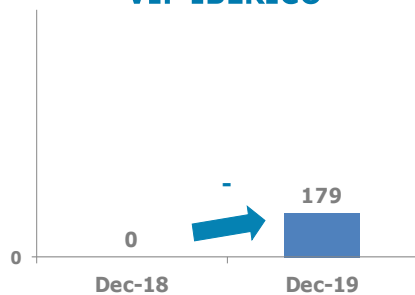
Imports

Unit: GWh

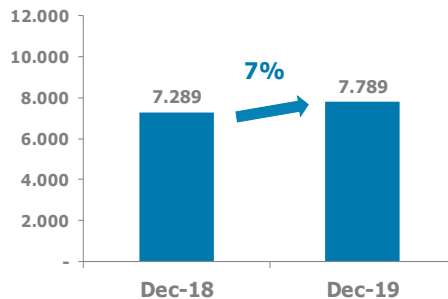
VIP PIRINEOS



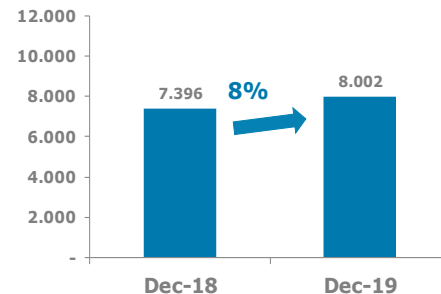
VIP IBÉRICO



ALMERÍA



TARIFA

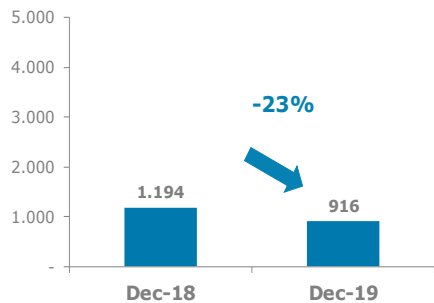


Interconnection points

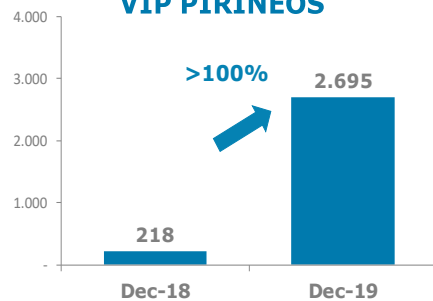
Exports

Unit: GWh

VIP IBÉRICO



VIP PIRINEOS



Interconnection points

Balance

Monthly Record

Monthly Mobile Annual Record

Unit: GWh	Dec-18	Dec-19	Δ over/Dec-18	Year 2019	MAT Jan-18/Dec-19	Δ s/2018
Tarifa GME	7.396	5.307	-28%	53.437	53.437	-49%
Almería MEDGAZ	7.289	6.873	-6%	66.895	66.895	-16%
VIP PIRINEOS	5.179	-2.026	-139%	44.707	44.707	42%
VIP IBÉRICO	-1.194	-737	-38%	-5.325	-5.325	-76%
National gas field	171	77	-55%	1.355	1.355	40%
National biogas	9	10	5%	100	100	7%
TOTAL	18.850	9.504	-50%	161.169	161.169	-17,1%



(+) Entry flows; (-) Exit flows

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Activity at Barcelona plant



Contract information (Average value)		Dec-18	Dec-19
Send-out	GWh/day	182	164
LNG Trucks	GWh/day	10	15
% average contract vs. nominal		34%	32%
% average contract use		85%	75%

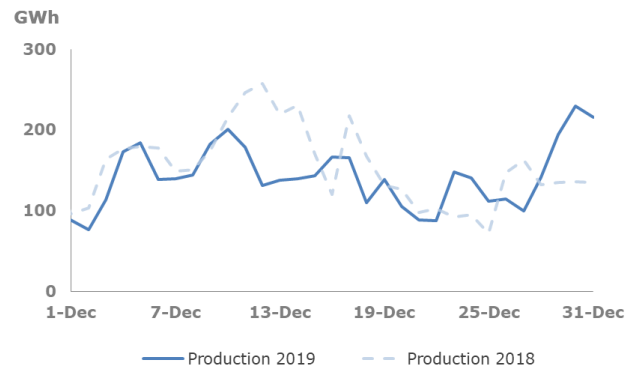
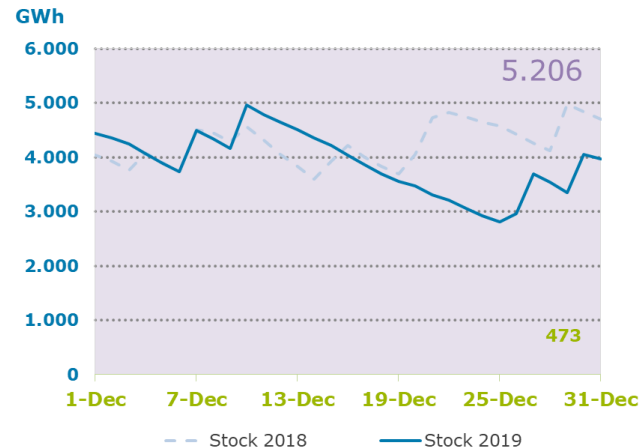
2018

2019

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



4 LNG Unloaded
(3.966 GWh)
0 LNG Loaded
(48 GWh)



Physical production			Dec-18	Dec-19
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production		GWh	4.788	4.435

Activity at Huelva plant



Contract information (Average value)		Dec-18	Dec-19
Send-out	GWh/day	150	192
LNG Trucks	GWh/day	8	8
% average contract vs. nominal		40%	51%
% average contract use		79%	67%

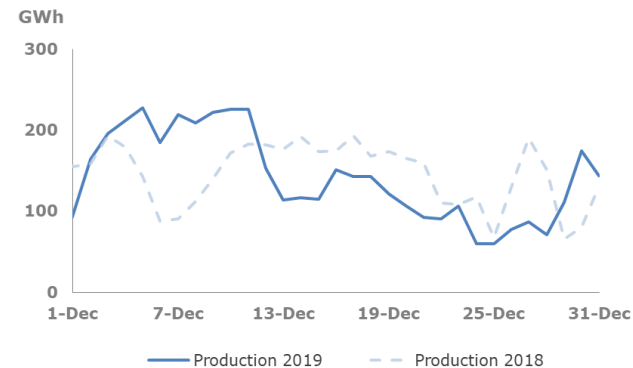
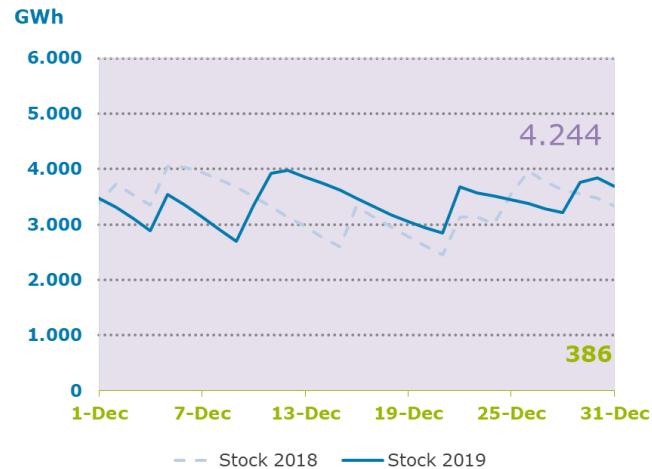
2018

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



2019

5 LNG Unloaded
(4.591 GWh)
1 LNG Loaded
(27 GWh)



Physical production		Dec-18	Dec-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	4,529	4,426

Activity at Cartagena plant

Contract information (Average value)		Dec-18	Dec-19
Send-out	GWh/day	24	112
LNG Trucks	GWh/day	9	9
% average contract vs. nominal		8%	31%
% average contract use		102%	81%

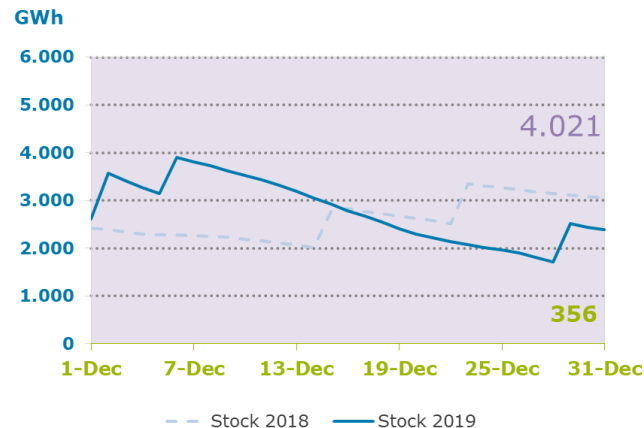
2018

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

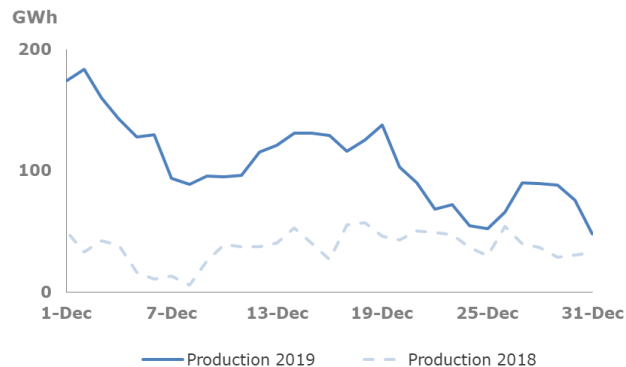


2019

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



Physical production		Dec-18	Dec-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production	GWh	1.149	3.294	



Activity at Bilbao plant



Contract information (Average value)		Dec-18	Dec-19
Send-out	GWh/day	154	185
LNG Trucks	GWh/day	3	5
% average contract vs. nominal		69%	84%
% average contract use		81%	≈100%

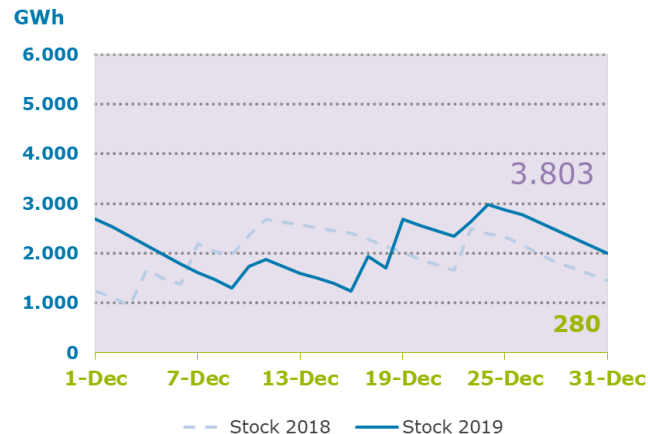
2018

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

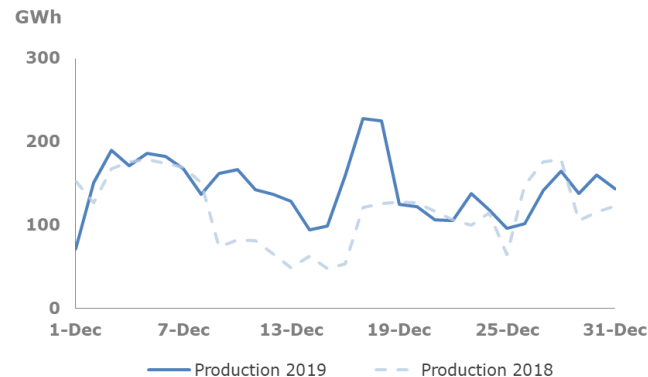


2019

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



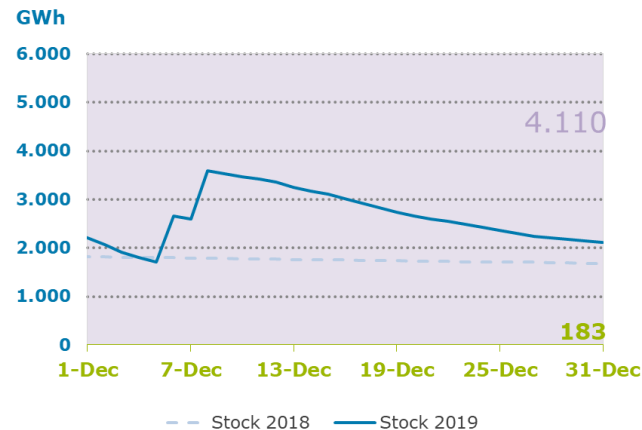
Physical production		Dec-18	Dec-19	
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	249
Monthly production		GWh	3.667	4.467



Activity at Sagunto plant



Contract information (Average value)		Dec-18	Dec-19
Send-out	GWh/day	0	82
LNG Trucks	GWh/day	2	6
% average contract vs. nominal		1%	30%
% average contract use		102%	76%



2018

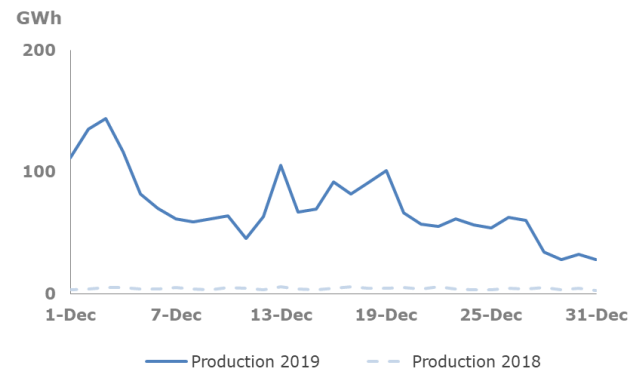
2019

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



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

Physical production		Dec-18	Dec-19	
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production	GWh	138	2.222	



Activity at Mugardos plant

Contract information (Average value)		Dec-18	Dec-19
Send-out	GWh/day	64	37
LNG Trucks	GWh/day	4	4
% average contract vs. nominal		54%	33%
% average contract use		86%	107%

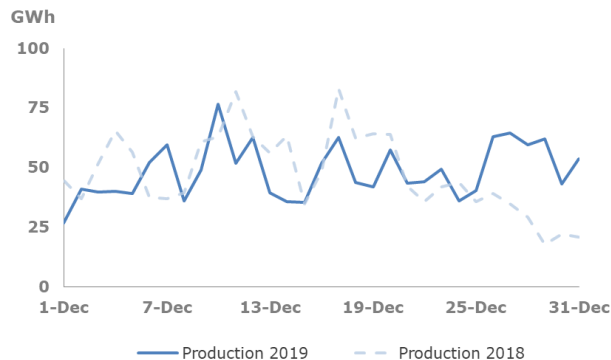
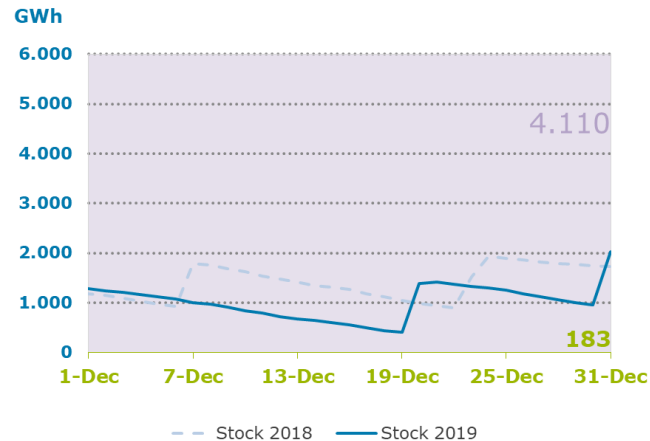
2018

2 LNG Unloaded
(1.949 GWh)
1 LNG Loaded
(11 GWh)



2019

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



Physical production		Dec-18	Dec-19	
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production	GWh	1.479	1.504	

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Unloads and loads of LNG vessels

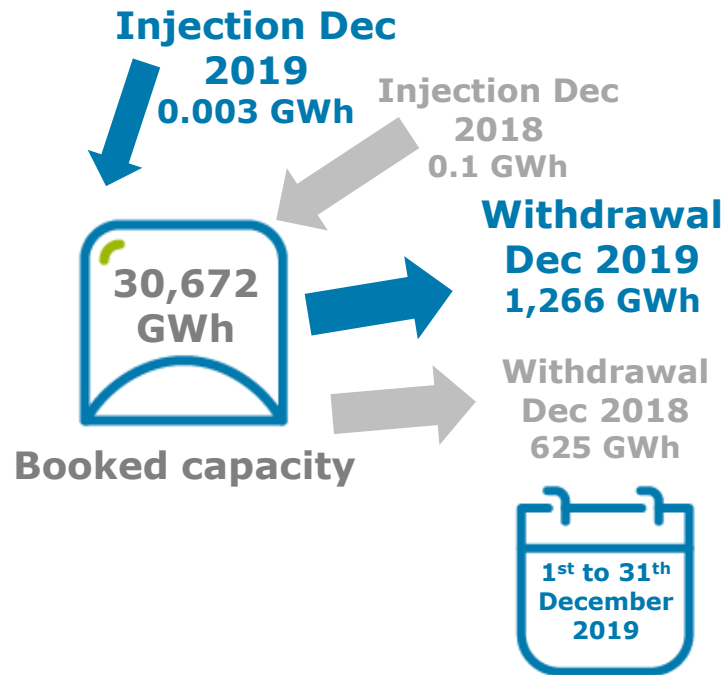
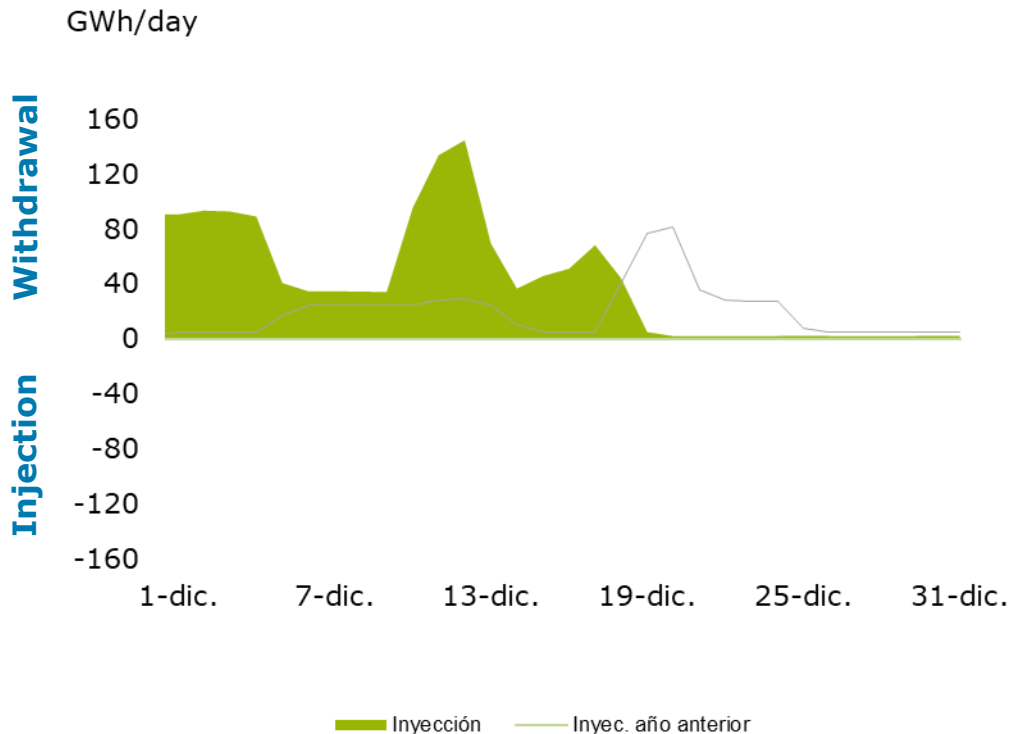
Production at regasification plants

Activity by LNG plant

5. Underground storage

6. Operating notes

Withdrawal / injection season



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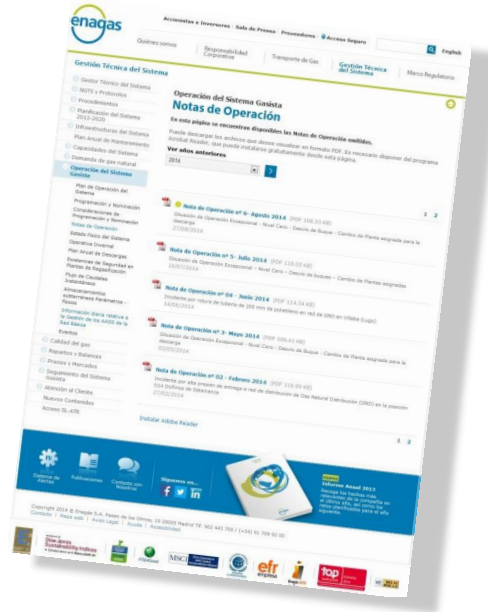
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6. Operating notes

No Operating Notes were published during **December 2019**



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

Thank you

