

Statistical bulletin

Technical Management of the System

November 2019

PREVIEW



Content



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Consumption by geographic location

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Production at regasification plants

Activity by LNG plant

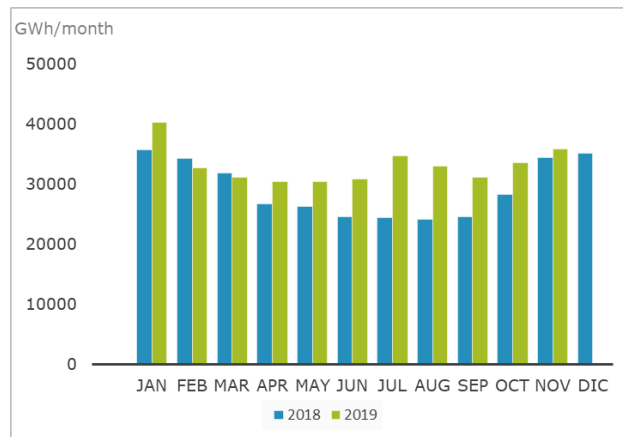
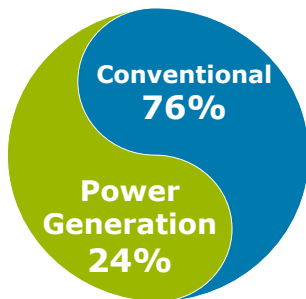
5. Underground storage

6. Operating notes

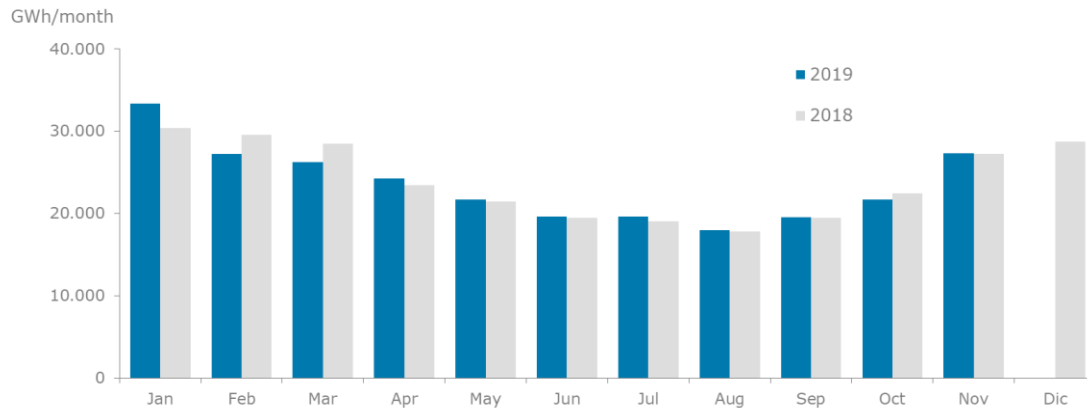
Natural Gas demand follow-up

Unit : GWh	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2018
	1 st to 30th November		Year 2019		1 st Dec 2018 to 30 th Nov 2019	
<i>National Demand</i>	35.821	4,2%	363.668	15,7%	398.731	14,2%
- Conventional demand	27.347	0,3%	258.637	0,0%	287.346	0,0%
- NG for Power Generation	8.475	18,9%	105.031	89,4%	111.386	80,2%
<i>International Demand</i>	0	0,0%	0	0,0%	0	0,0%
- International conexions exports	1.839	50,7%	8.132	-72,5%	9.545	-69,2%
- LNG Vessel loading	20,61	100,0%	301	-93,9%	312	-93,7%
TOTAL	37.681	5,8%	372.101	6,7%	408.588	6,1%

National demand
November - 2019

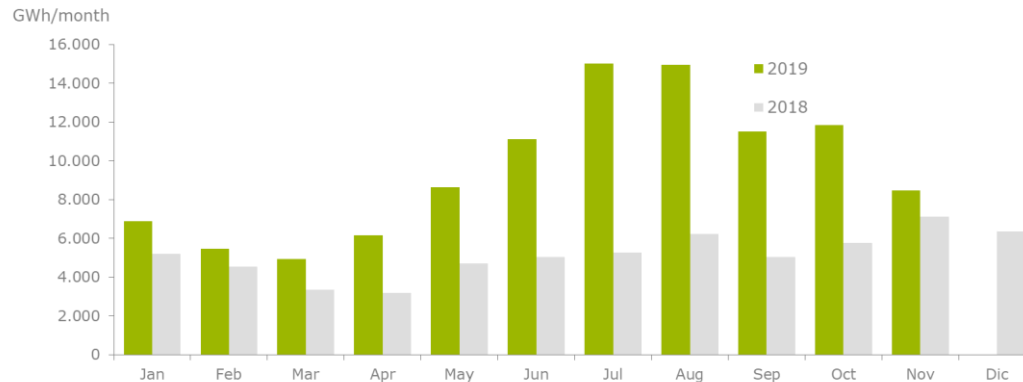


Natural Gas demand follow-up



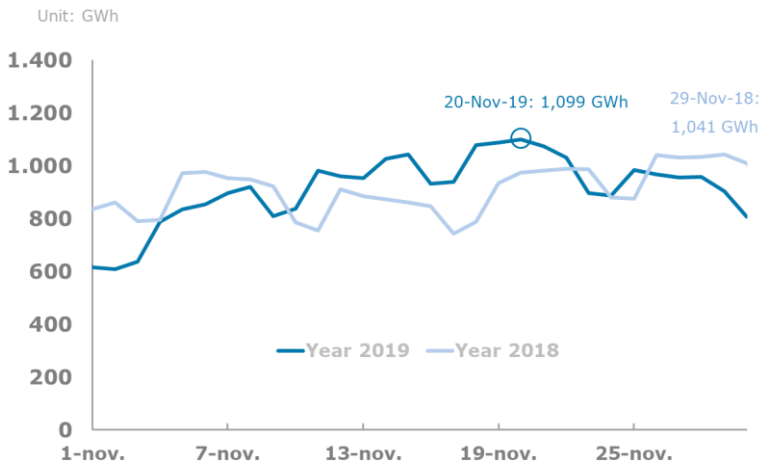
**Conventional demand
2018 - 2019**

**NG for Power Generation
2018 - 2019**

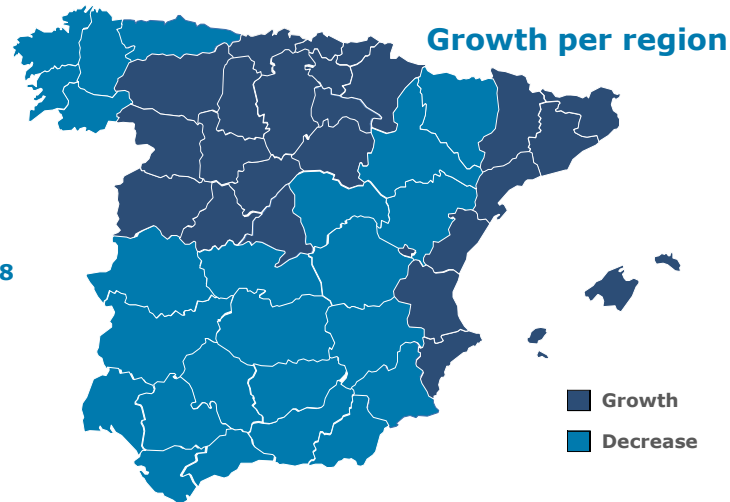


Conventional demand

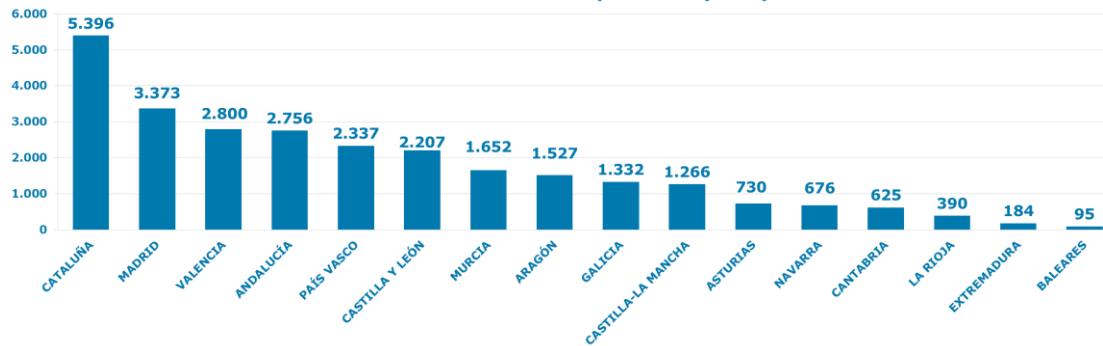
Comparison 2018-2019



Increase 0.3% vs. 2018

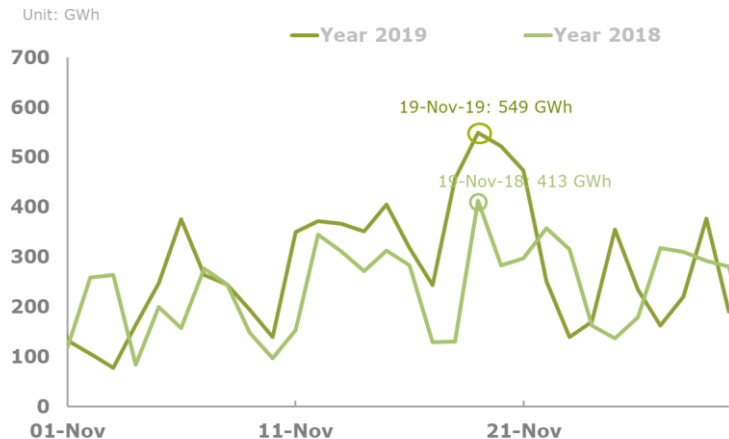


Conventional demand per CCAA (GWh)

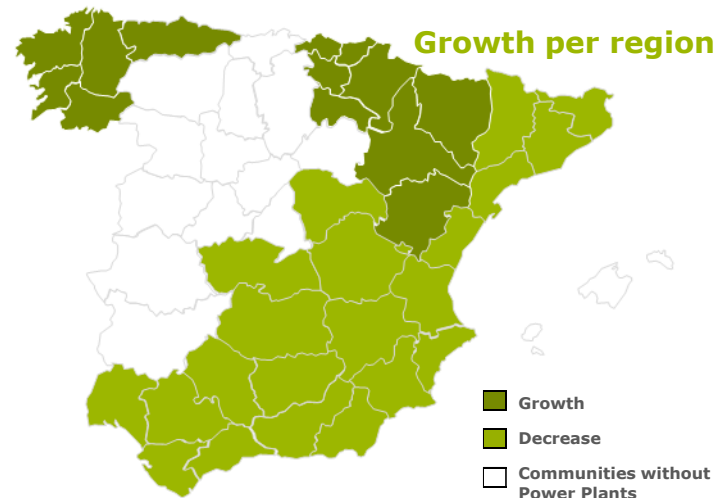


Natural gas for power generation

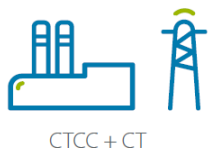
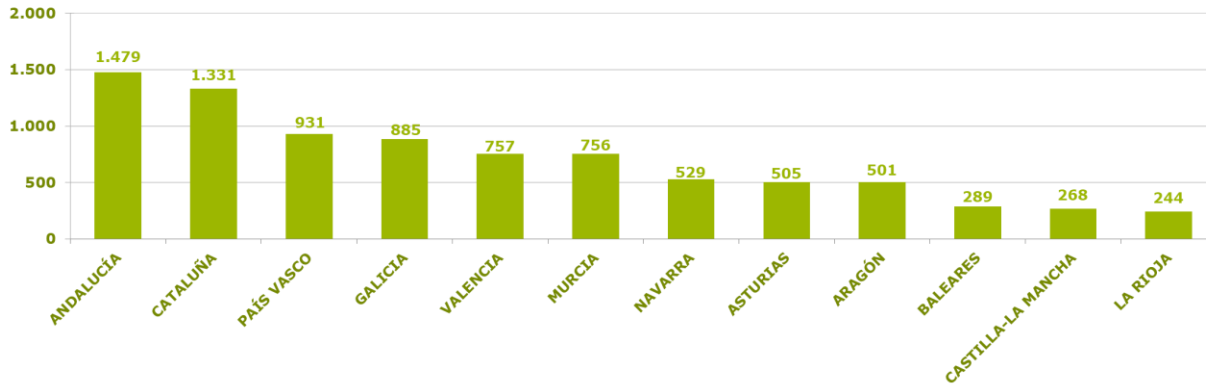
Comparison 2018-2019



Increase 18.9% vs. 2018

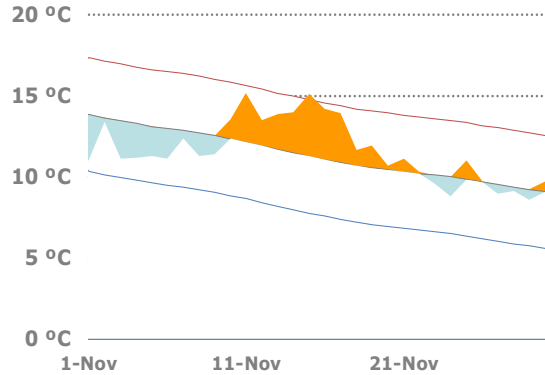


NG for Power Generation (GWh)

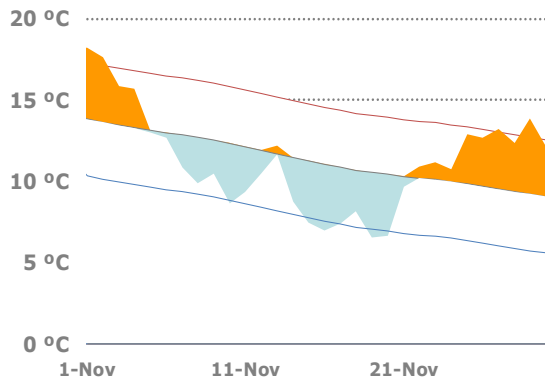


Demand - Temperatures

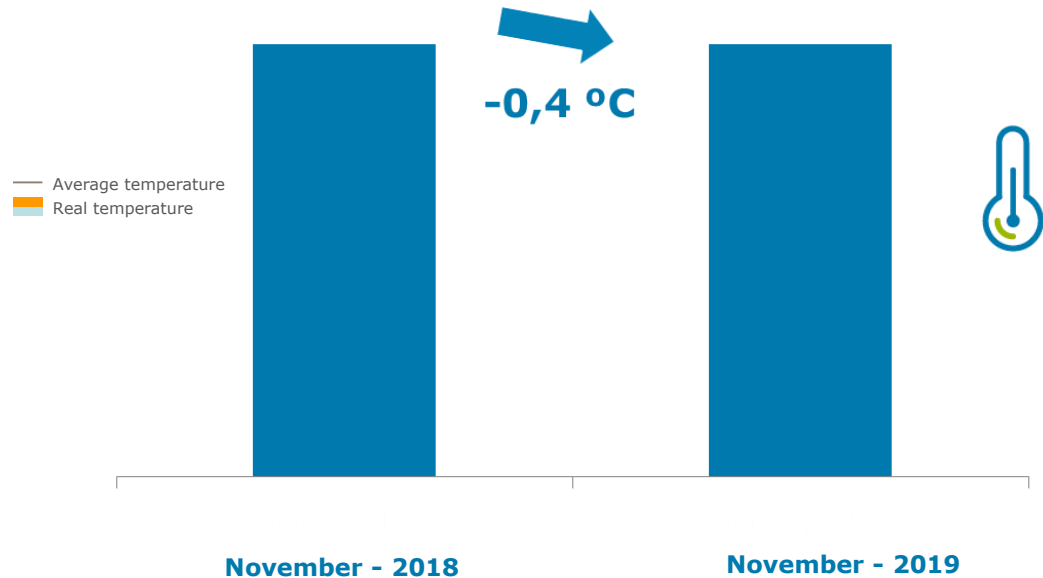
Temperatures 2018



Temperatures 2019

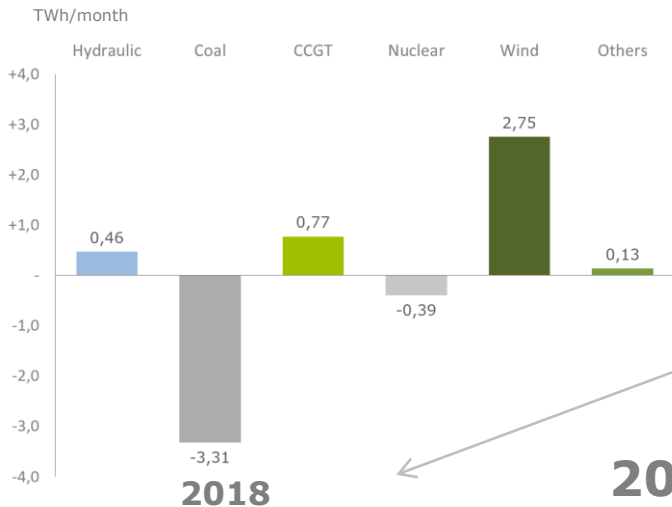


- Temperatures have been lowest during November 2019 in comparison with November 2018.
- The average temperature has been **-0.4°C** lowest than the average of November 2018

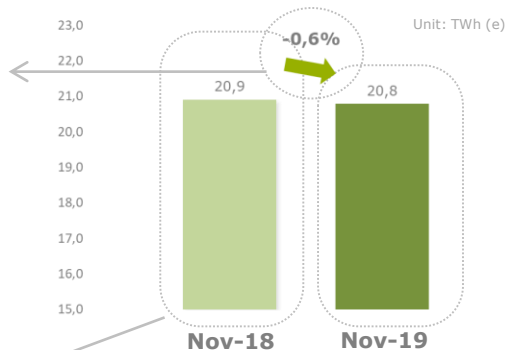


Gas for power generation

GROWTH NOV-19 VS. NOV-18

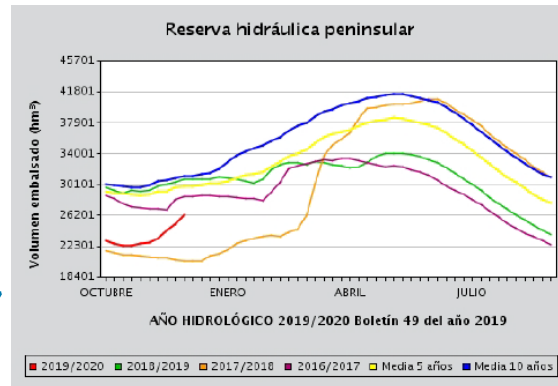


TRANSMISSION DEMAND NOV-19 VS. NOV-18

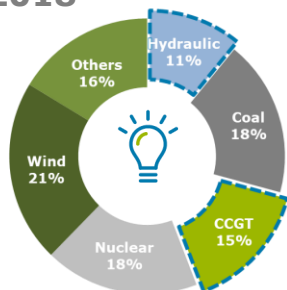


CAPACITY

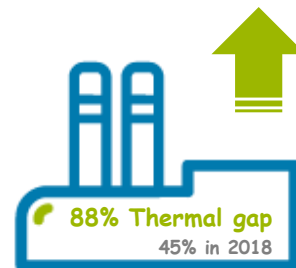
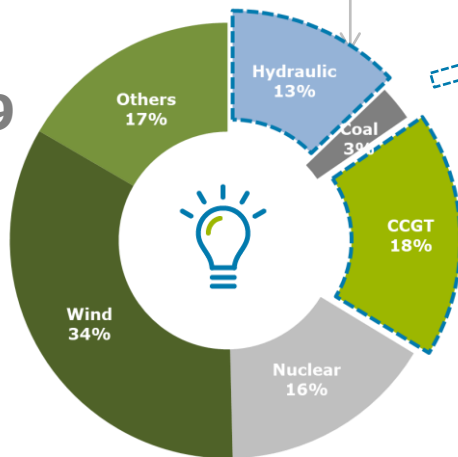
TOTAL : 55,622 hm³ = 22,964 GWh
ACTUAL : 26,233 hm³ = 10,121 GWh



2018



2019



Gas for power generation

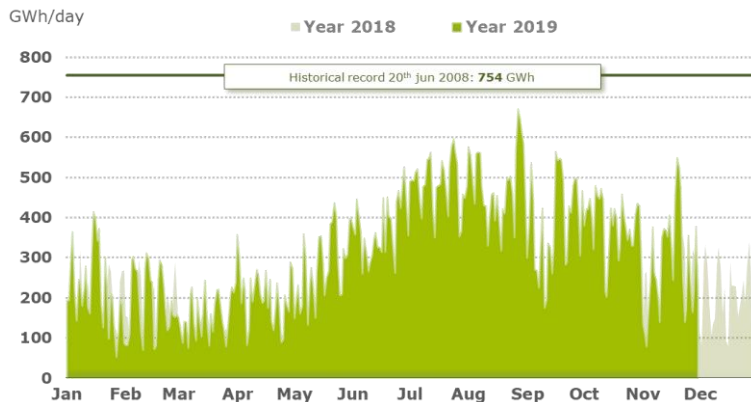


Unit: GWh

Monthly record

Mobile Annual Total Record

	Nov-18	Nov-19	Δ s/nov-18	Year 2019	MAT Dec-2018/Nov-2019	Δ over/Year 2018
NG for Power Generation	7.127	8.475	+18,9%	105.031	111.386	+80,2%
- Thermal Power Plants	14	12	-15%	108	128	-42,4%
- CCGT's	7.113	8.462	+19%	104.923	111.257	+80,6%
Maximum daily consumption	413	549	+33%	671	671	-
	19-Nov-18	19-Nov-19		27-Aug-19	27-Aug-19	
Minimum daily consumption	84	78	-7%	51	51	-
	13-May-18	03-Nov-19		27-Jan-19	27-Jan-19	



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 but clearly shows the word 'ENAGAS' and some smaller text above it.

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

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Unloads and loads of LNG vessels

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Activity by LNG plant

5. Underground storage

6. Operating notes

Origin of supplies

		Monthly record		Annual Total record		Mobile Annual Total record	
Unit: GWh		Nov-18	Nov-19	Year 2019	% 2019	MAT Dec-18/Nov-19	% MAT
Algeria	NG	14.332	14.721	110.468	} 32,0%	125.153	} 32,9%
	LNG	992	-	12.078		14.066	
Nigeria	LNG	5.308	2.824	43.360	11,3%	48.446	11,5%
Qatar	LNG	1.756	2.656	46.183	12,1%	48.910	11,6%
T&T	LNG	2.559	1.581	29.705	7,8%	32.271	7,6%
Peru	LNG	1.941	966	5.004	1,3%	7.787	1,8%
France	NG	4.913	1.453	48.528	} 12,7%	53.925	} 12,8%
	LNG	-	-	-		-	
Angola	LNG	-	-	3.051	0,8%	3.051	0,7%
United States	LNG	-	8.806	40.930	10,7%	41.932	9,9%
Norway	LNG	-	-	6.448	1,7%	7.390	1,7%
Bélgica	LNG	-	-	1.038	0,3%	1.038	0,2%
National gas field	NG	95	82	1.278	0,3%	1.449	0,3%
National biogas	NG	9	7	91	0,0%	100	0,0%
Portugal	NG	12	95	1.750	0,5%	1.750	0,4%
Dominican Republic	LNG	-	-	-	0,0%	-	0,0%
Russia	LNG	1.092	1.158	32.360	8,4%	33.452	7,9%
Cameroon	LNG	-	-	966	0,3%	1.829	0,4%
TOTAL		33.008	34.349	383.238	100%	422.550	100%

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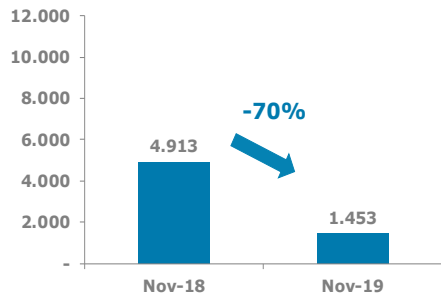
6. Operating notes

Interconnection points

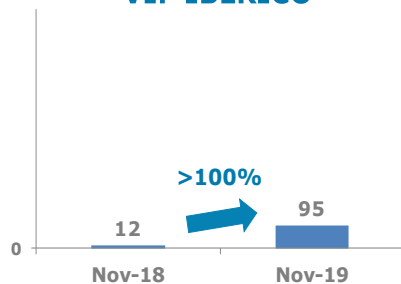
Imports

Unit: GWh

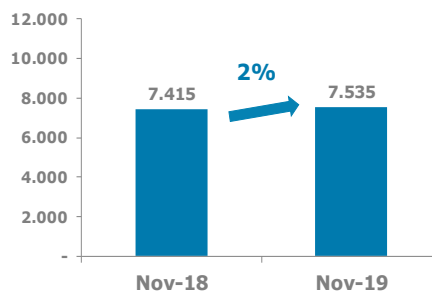
VIP PIRINEOS



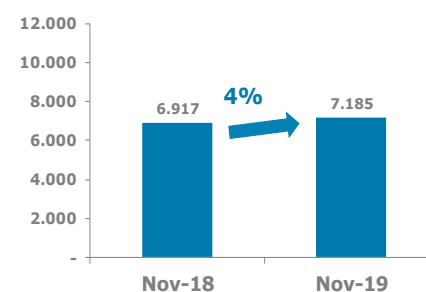
VIP IBÉRICO



ALMERÍA



TARIFA

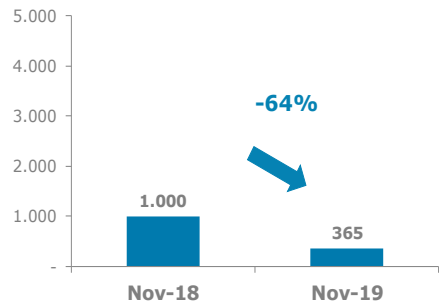


Interconnection points

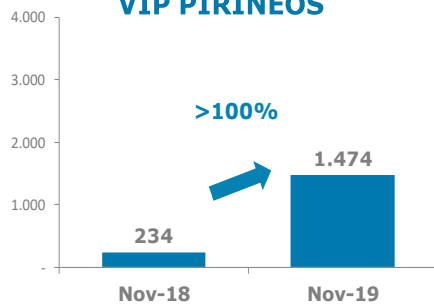
Exports

Unit: GWh

VIP IBÉRICO



VIP PIRINEOS



Interconnection points

Balance

Monthly Record

Monthly Mobile Annual Record

Unit: GWh

	Nov-18	Nov-19	Δ over/Nov-18	Year 2019	MAT Dec-18/Nov-19	Δ s/2018
Tarifa GME	6.917	5.711	-17%	48.129	55.525	-47%
Almería MEDGAZ	7.415	7.170	-3%	60.021	67.311	-15%
VIP PIRINEOS	4.680	-21	-100%	46.734	51.913	64%
VIP IBÉRICO	-988	-270	-73%	-4.587	-5.782	-74%
National gas field	95	82	-14%	1.278	1.449	50%
National biogas	9	7	-20%	91	100	6%
TOTAL	18.127	12.679	-30%	151.665	170.515	-12,3%



(+) Entry flows; (-) Exit flows

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Activity at Barcelona plant



Contract information (Average value)		Nov-18	Nov-19
Send-out	GWh/day	188	150
LNG Trucks	GWh/day	12	15
% average contract vs. nominal		36%	29%
% average contract use		96%	90%

2018

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

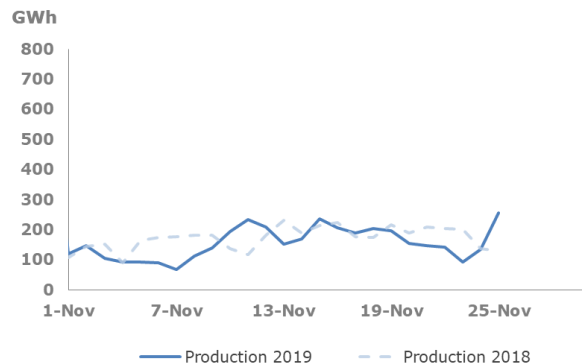
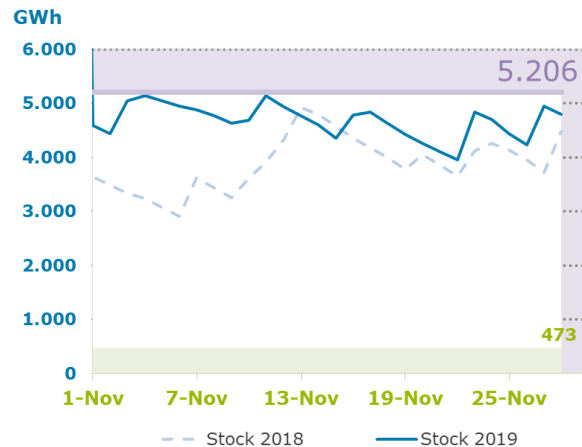


2019

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



* Bunkering



Physical production		Nov-18	Nov-19	
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production	GWh	5.269	4.686	

Activity at Huelva plant



Contract information (Average value)		Nov-18	Nov-19
Send-out	GWh/day	157	217
LNG Trucks	GWh/day	9	9
% average contract vs. nominal		42%	58%
% average contract use		84%	70%

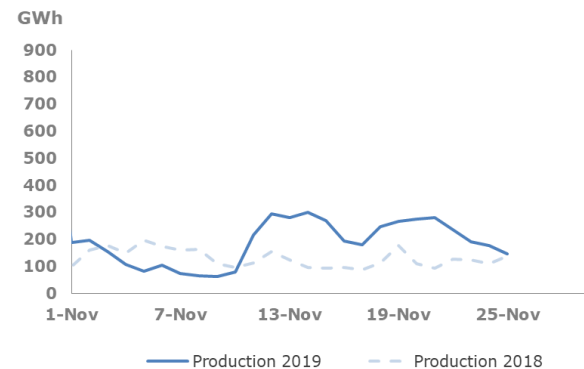
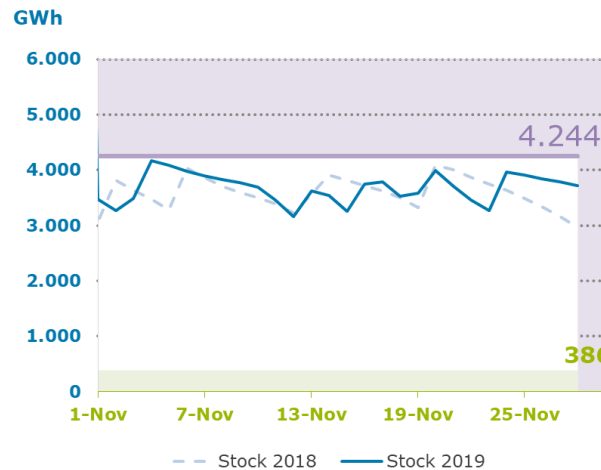
2018

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



2019

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



Physical production			Nov-18	Nov-19
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production	GWh	4.156	5.003	

Activity at Cartagena plant

Contract information (Average value)		Nov-18	Nov-19
Send-out	GWh/day	34	49
LNG Trucks	GWh/day	10	9
% average contract vs. nominal		11%	15%
% average contract use		86%	96%

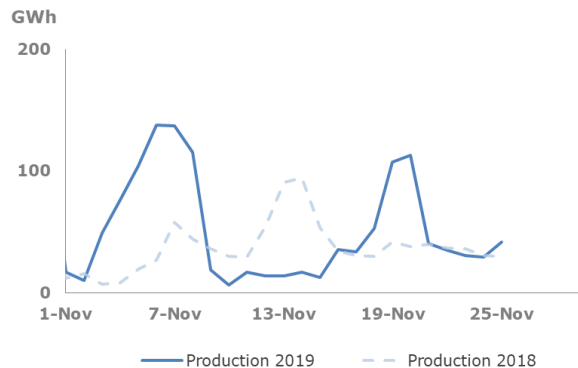
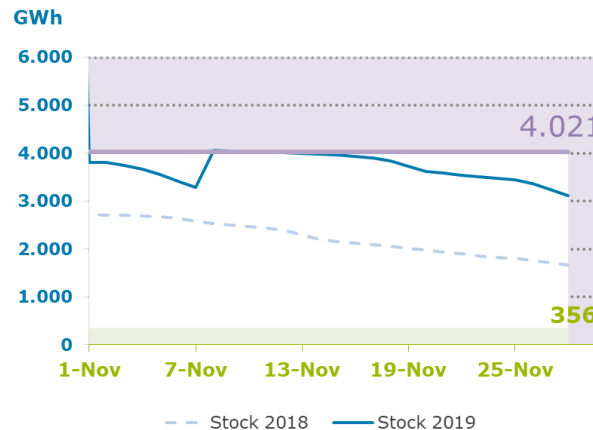
2018

2019

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



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



Physical production		Nov-18	Nov-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production	GWh	1.154	1.906	

Activity at Bilbao plant



Contract information (Average value)		Nov-18	Nov-19
Send-out	GWh/day	127	193
LNG Trucks	GWh/day	3	5
% average contract vs. nominal		57%	87%
% average contract use		94%	≈100%

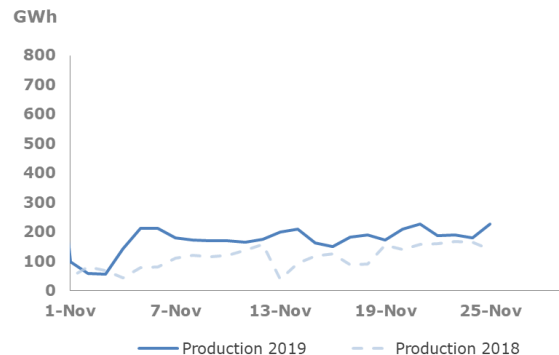
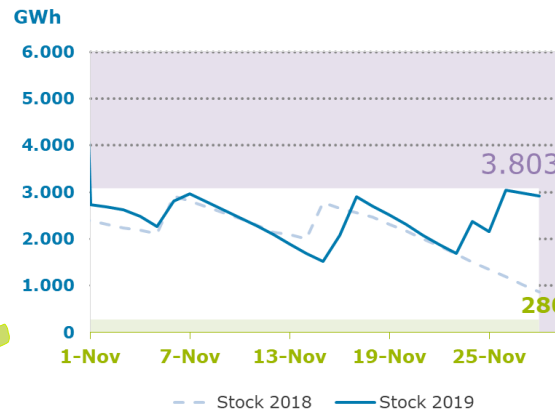
2018

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



2019

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



Physical production			Nov-18	Nov-19
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	249
Monthly production		GWh	3.615	4.808

Activity at Sagunto plant



Contract information (Average value)		Nov-18	Nov-19
Send-out	GWh/day	5	109
LNG Trucks	GWh/day	2	5
% average contract vs. nominal		2%	39%
% average contract use		93%	107%

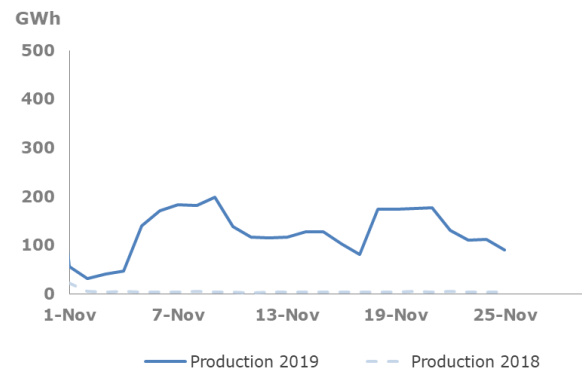
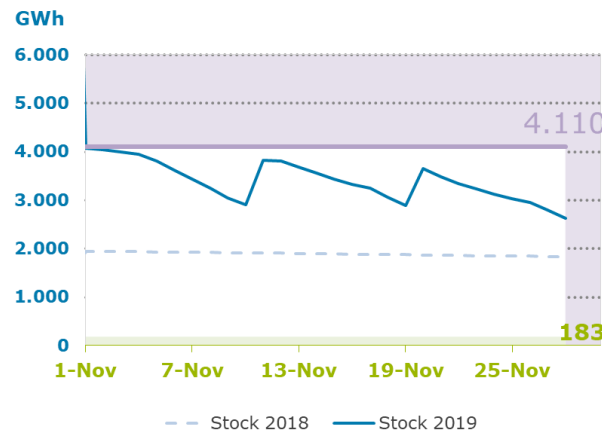
2018

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



2019

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



Physical production			Nov-18	Nov-19
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production		GWh	149	3.830

Activity at Mugardos plant

Contract information (Average value)		Nov-18	Nov-19
Send-out	GWh/day	37	40
LNG Trucks	GWh/day	4	4
% average contract vs. nominal		33%	35%
% average contract use		89%	101%

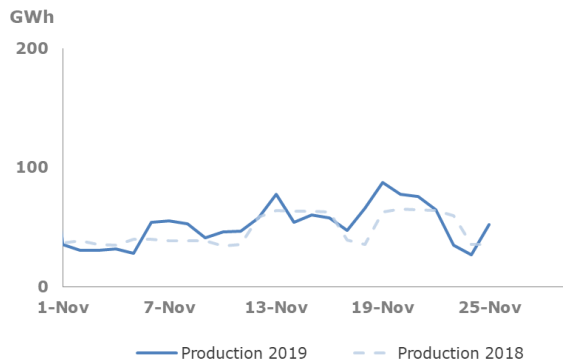
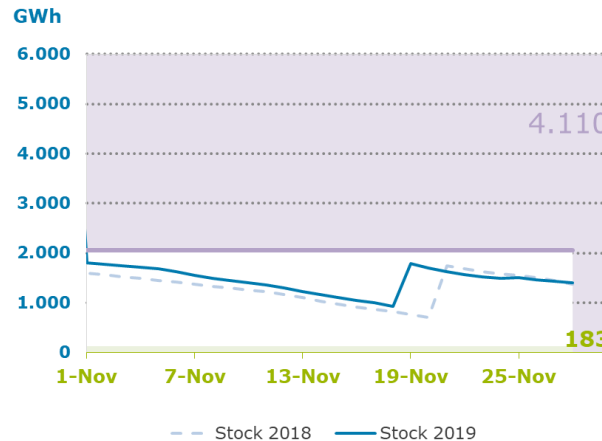
2018

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



2019

2 LNG Unloaded
(965 GWh)
1 LNG Loaded
(21 GWh)



Physical production		Nov-18	Nov-19	
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production	GWh	1.485	1.479	

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Unloads and loads of LNG vessels

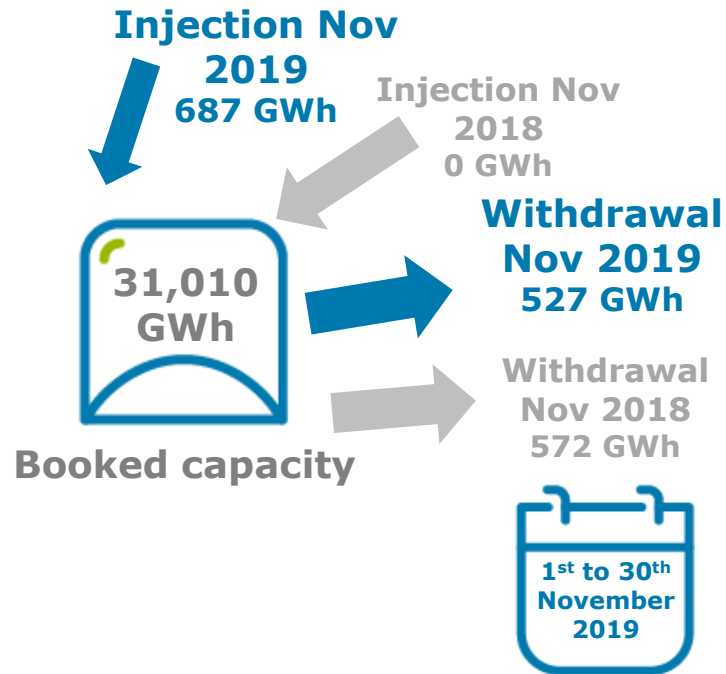
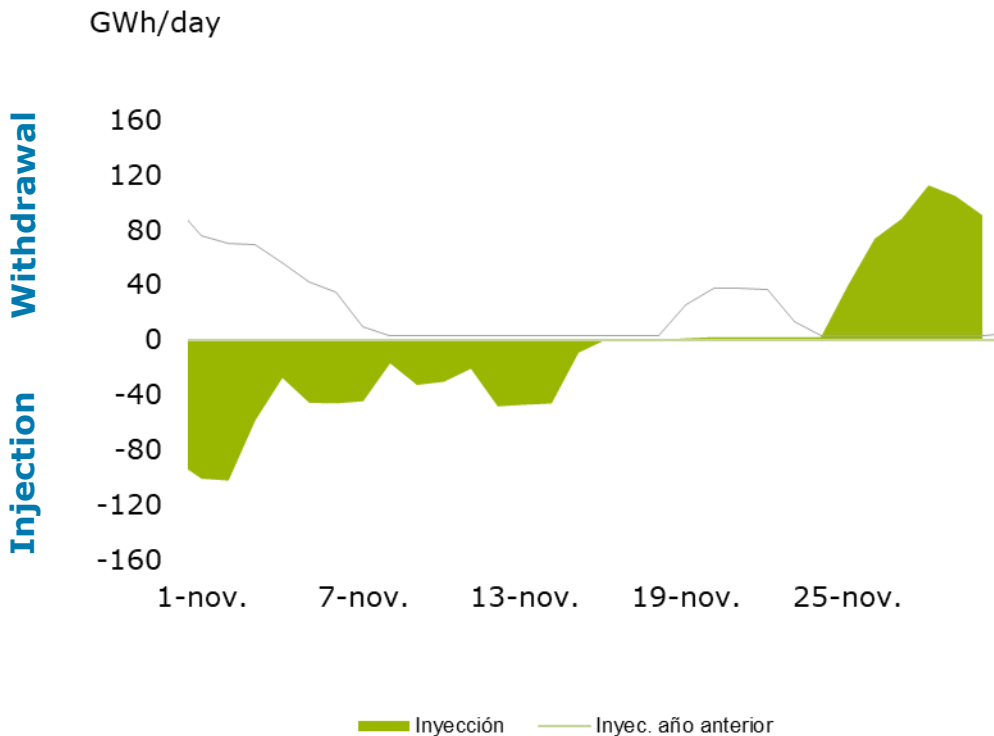
Production at regasification plants

Activity by LNG plant

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Withdrawal / injection season



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Operating Notes were published during **November 2019**:

Nota de Operación nº 09 – 05.11.2019



Declaración Situación de Operación Excepcional Nivel 0

Dada la situación de superávit de gas en el Sistema motivada en parte por las altas temperaturas registradas durante el mes de octubre y primeros días de noviembre, en relación a los valores normales de los últimos 10 años, en virtud del apartado 10.6 de las Normas de Gestión Técnica del Sistema (NGTS), se declara Situación de Operación Excepcional de Nivel 0.

Con objeto de minimizar en lo posible los retrasos aplicados a los programas vinculantes de descarga en el conjunto de las plantas en noviembre-2019, y siguiendo las medidas establecidas en el apartado 10.6.1 de las NGTS, el GTS procede a modificar las consignas de almacenamientos subterráneos continuando con la inyección de gas en los mismos durante el mes de noviembre. Esta situación será revertida durante el mes de diciembre-2019, teniéndose en cuenta en la elaboración del programa mensual de dicho mes.



Estas medidas en nada afectan a los derechos de extracción de AASS de los usuarios puesto que el ciclo de extracción comercial de AASS se inicia a partir del 1-nov-2019 tal y como estaba previsto.

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

Nota de Operación nº 10 – 08.11.2019 reducción de obligación de reserva invernal 2019-2020



Dada la situación real del Sistema de altas existencias de GNL en tanques en el conjunto de las terminales de regasificación, y la previsión de su continuación en base a las programaciones de los usuarios para los próximos tres meses, de conformidad con el punto 4 del apartado Primero de la Resolución de 27 de noviembre de 2017, de la Dirección General de Política Energética y Minas, por la que se aprueba el Plan de actuación invernal para la operación del sistema gasista, el Gestor Técnico del Sistema informa de la aplicación de unas obligaciones menos restrictivas de mantenimiento de reserva invernal a todos los usuarios del Sistema a los que les aplica dicha obligación en el invierno 2019-2020 a partir del día 09-nov-2019 en adelante, de tal forma que a partir de esta fecha los usuarios con capacidad contratada firme de entrada a la red de transporte cuya duración sea superior a un día, deberán mantener en todo momento unas existencias equivalentes a **2,5 días** de dicha capacidad



Nota de Operación nº 11 - 12.11.2019 (Inicial)

SITUACION DE OPERACIÓN EXCEPCIONAL-NIVEL CERO-OLA DE FRIO

Las previsiones de la Agencia Estatal de Meteorología anuncian un descenso de las temperaturas, incurriendo en **Ola de Frío desde el día 14-noviembre**, según los criterios definidos en el Plan de actuación invernal para la operación del sistema gasista del 27 de noviembre de 2017.

Para fechas posteriores y de mantenerse las actuales previsiones en el horizonte pendiente de confirmación por AEMET, este periodo podría extenderse hasta el 20 de noviembre.

Las temperaturas previstas dan lugar a un **incremento extraordinario respecto a los valores previstos en condiciones normales de 285 GWh en el periodo de máxima fiabilidad de las previsiones, comprendido entre los días 14 y 16 de noviembre.**

En función de lo previsto en el presente plan de actuación invernal para la operación del sistema gasista, se declara:

SITUACIÓN DE OPERACIÓN EXCEPCIONAL – NIVEL CERO – OLA DE FRÍO desde las seis horas del día 14 de noviembre y hasta nuevo aviso.

Se adjunta:

- Termograma previsto con las alarmas de temperatura
- Estimación del incremento de demanda previsto para los próximos días.



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

Thank you

