

Statistical bulletin

Technical Management of the System

May 2019

PREVIEW



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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

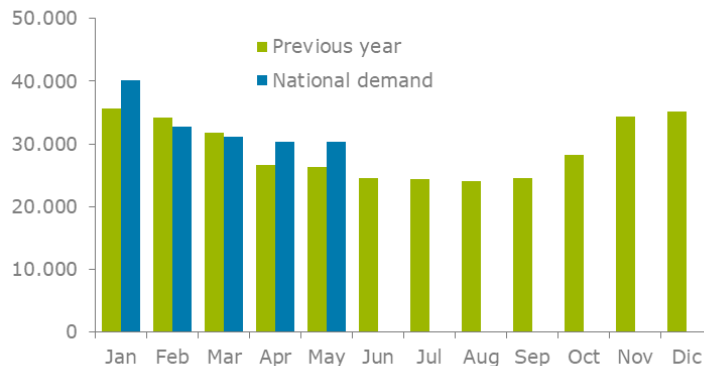
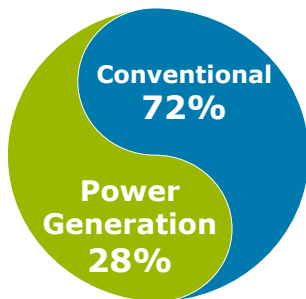
6. Operating notes

Natural Gas demand follow-up

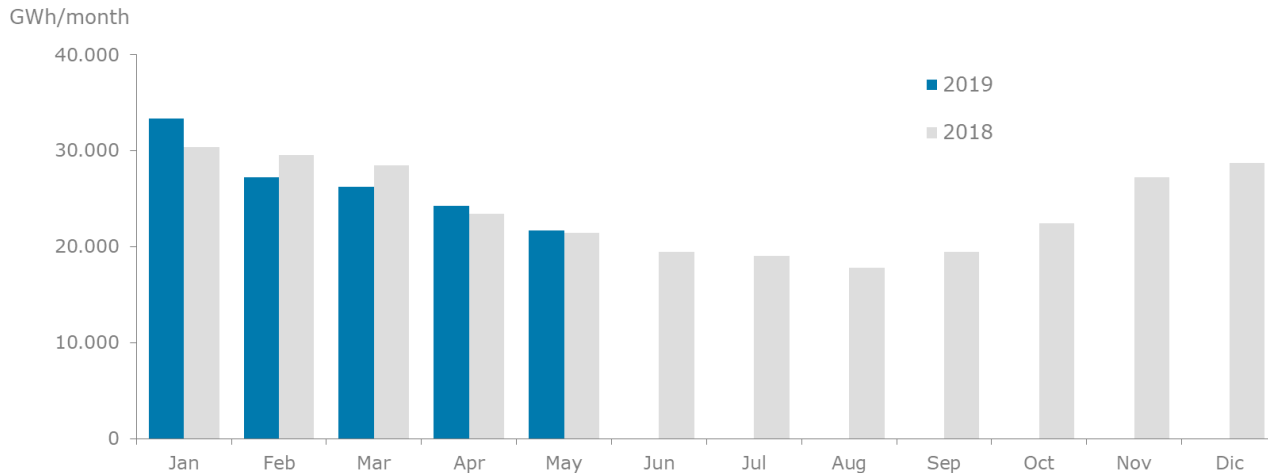
Unit : GWh

	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2018
	1 st to 30th April		Year 2019		1 st May 2018 to 30 th April 2019	
National Demand	30.297	15,8%	164.736	6,8%	359.722	3,0%
- Conventional demand	21.674	1,0%	132.749	-0,4%	286.898	-0,2%
- NG for Power Generation	8.622	83,8%	31.987	52,5%	72.824	17,8%
International Demand						
- International connections exports	613	-71,2%	2.084	-77,1%	20.691	-33,2%
- LNG Vessel loading	32	35,0%	124	-94,4%	2.889	-41,9%
TOTAL	30.942	7,7%	166.945	19,7%	383.302	-0,5%

National demand
May - 2019

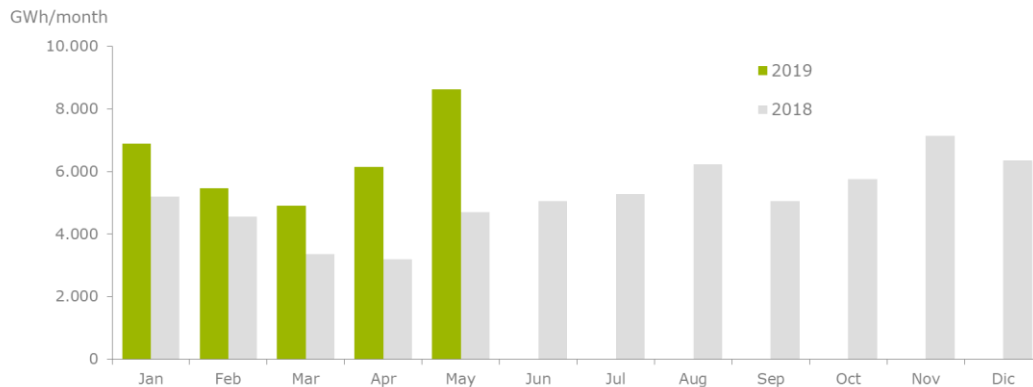


Natural Gas demand follow-up



**Conventional demand
2018 - 2019**

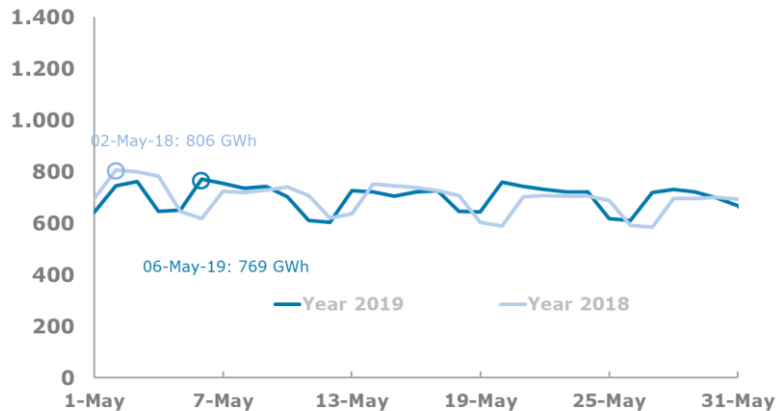
**NG for Power Generation
2018 - 2019**



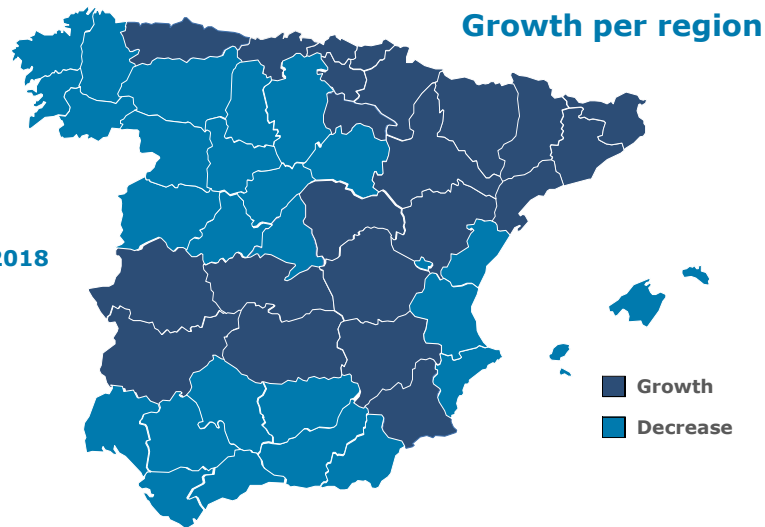
Conventional demand

Comparison 2018-2019

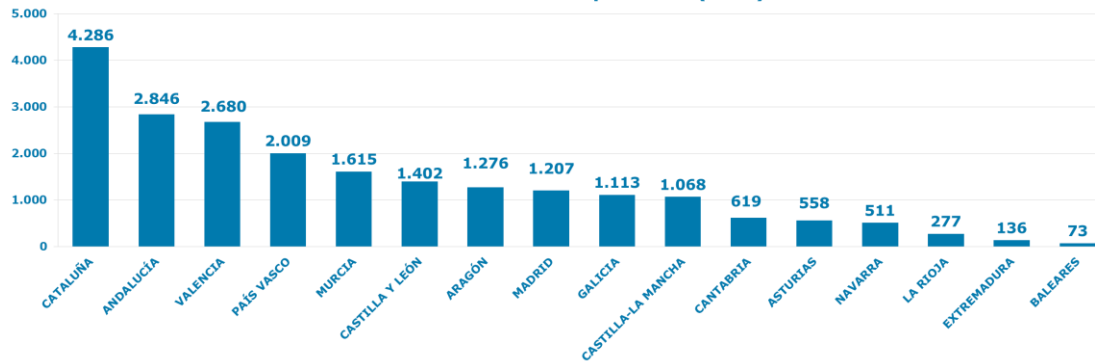
Unit: GWh



Increase 1,0% vs. 2018

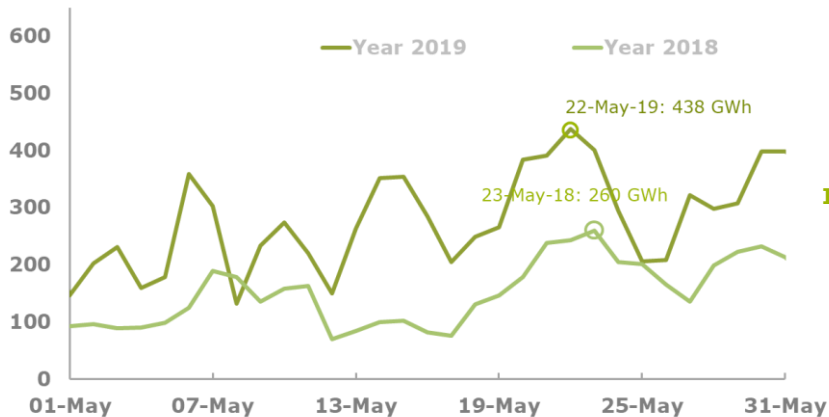


Conventional demand per CCAA (GWh)

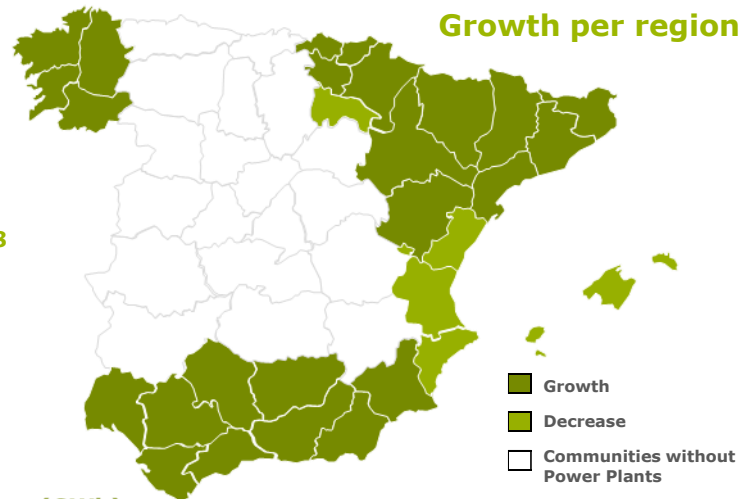


Natural gas for power generation

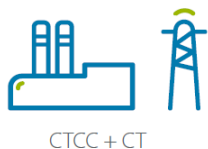
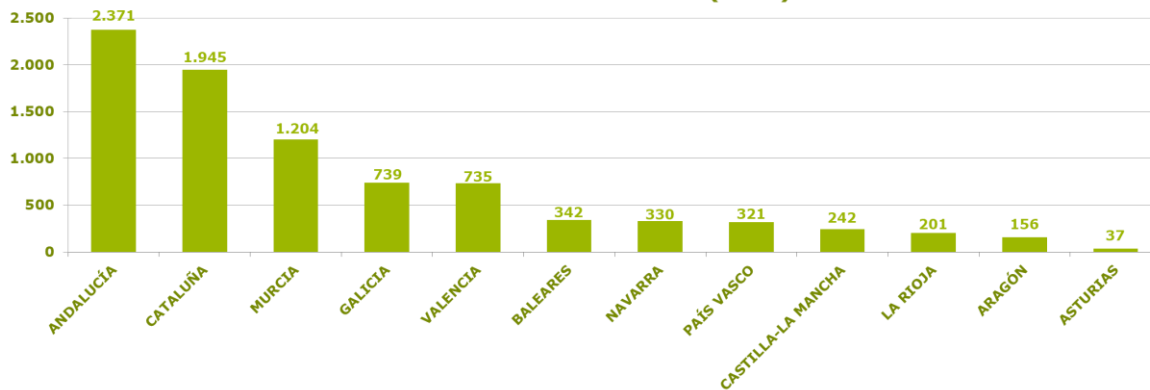
Comparison 2018-2019



Increase 84% vs. 2018

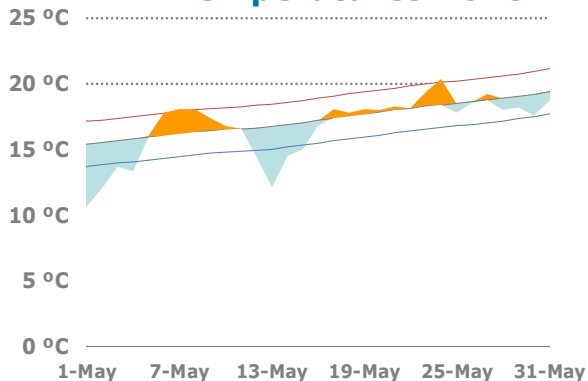


NG for Power Generation (GWh)

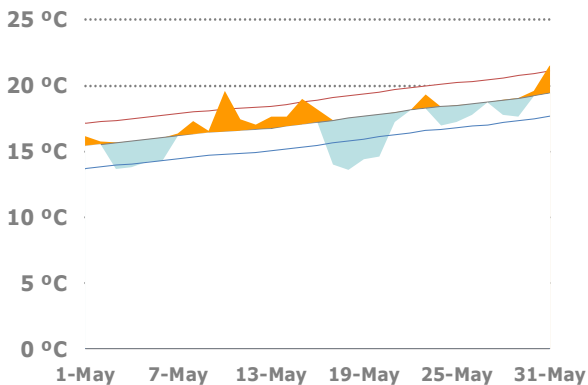


Demand - Temperatures

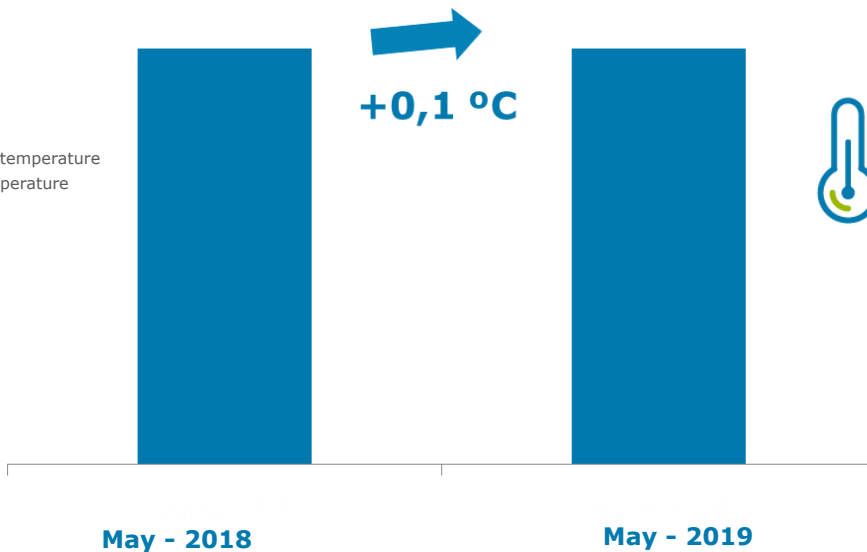
Temperatures 2018



Temperatures 2019



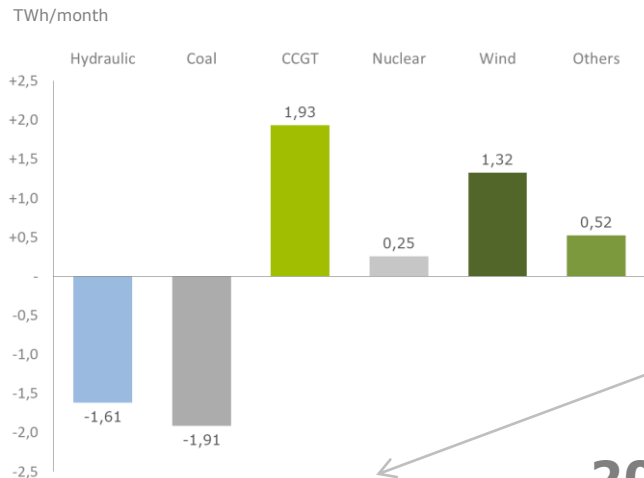
- Temperatures have been highest during May 2019 in comparison with May 2018.
- The average temperature has been **0.1°C** highest than the average of May 2018



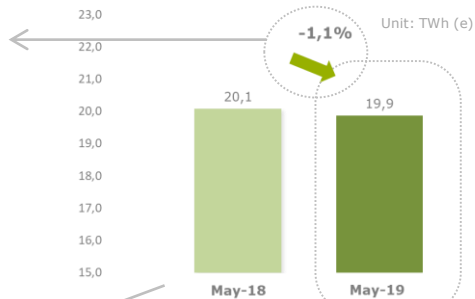
— Average temperature
— Real temperature

Gas for power generation

GROWTH MAY-19 VS. MAY-18

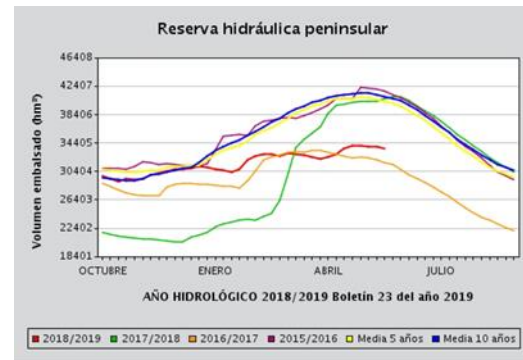


TRANSMISSION DEMAND MAY-19 VS. MAY-18

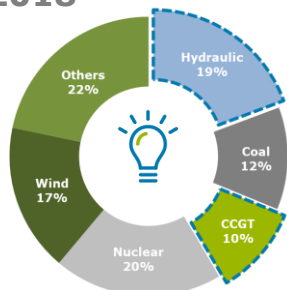


CAPACITY

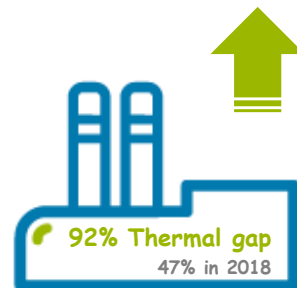
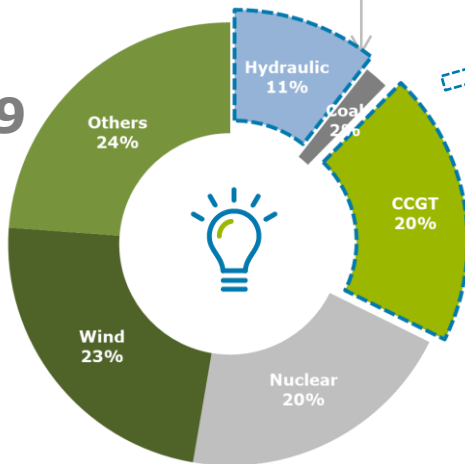
TOTAL : 56.118 hm³ = 23.281 GWh
ACTUAL : 33.587 hm³ = 12.390 GWh



2018



2019



Gas for power generation

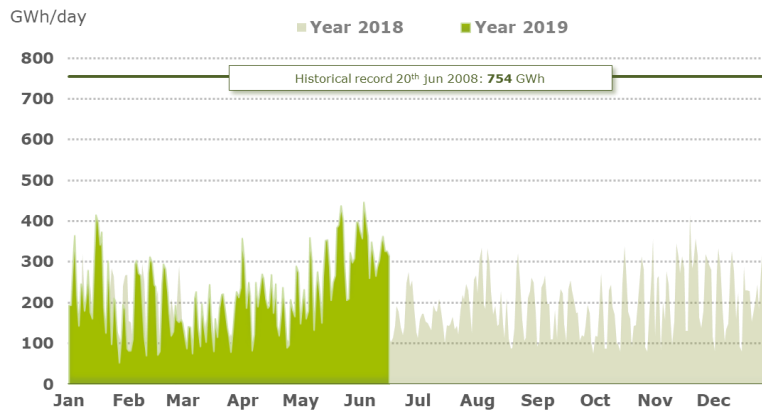


Monthly record

Mobile Anual Total Record

Unit: GWh

	May-18	May-19	Δ s/may-18	Year 2019	MAT Jun-2018/May-2019	Δ over/Year 2018
NG for Power Generation	4.691	8.622	+83,8%	32.011	72.848	+17,8%
- Thermal Power Plants	12	6	-49%	58	191	-14,4%
- CCGT's	4.680	8.616	+84%	31.953	72.657	+18,0%
Maximum daily consumption	260	438	+68%	446	438	-2%
	23-May-18	22-May-19		03-Jun-19	22-May-19	
Minimum daily consumption	70	133	+89%	51	51	-
	12-May-18	08-May-19		27-Jan-19	27-Jan-19	



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6. Operating notes

Origin of supplies

		Monthly record		Annual Total record		Mobile Annual Total record	
Unit: GWh		May-18	May-19	Year 2019	% 2019	MAT Jun-18/May-19	% MAT
Algeria	NG	15.917	9.338	52.100	} 37,1%	150.577	} 42,7%
	LNG	500	2.742	7.461		15.387	
Nigeria	LNG	3.698	3.921	21.999	13,7%	48.500	12,5%
Qatar	LNG	5.055	4.500	13.511	8,4%	34.388	8,8%
T&T	LNG	2.735	2.712	14.526	9,0%	30.664	7,9%
Peru	LNG	-	-	-	0,0%	15.095	3,9%
France	NG	2.149	3.975	26.321	} 16,4%	50.961	} 13,1%
	LNG	-	-	-		-	
Angola	LNG	17	1.008	2.033	1,3%	2.033	0,5%
United States	LNG	-	3.945	12.036	7,5%	15.056	3,9%
Norway	LNG	-	-	1.850	1,2%	6.545	1,7%
Bélgica	LNG	-	-	-	0,0%	896	0,2%
National gas field	NG	90	111	734	0,5%	1.550	0,4%
National biogas	NG	8	9	45	0,0%	99	0,0%
Portugal	NG	-	50	1.519	0,9%	1.598	0,4%
Dominican Republic	LNG	-	-	-	0,0%	338	0,1%
Russia	LNG	-	2.300	5.516	3,4%	13.144	3,4%
Cameroon	LNG	-	-	966	0,6%	1.829	0,5%
TOTAL		30.169	34.611	160.619	100%	388.660	100%

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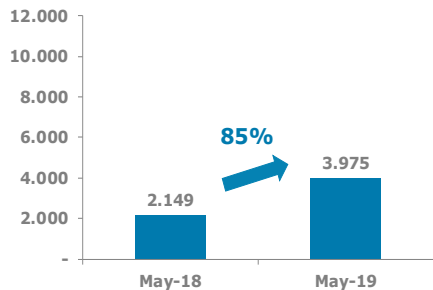
6. Operating notes

Interconnection points

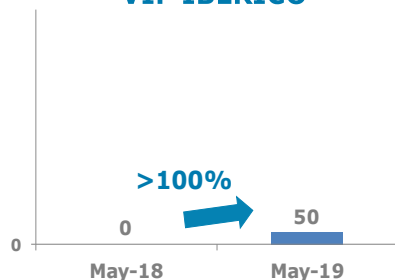
Imports

Unit: GWh

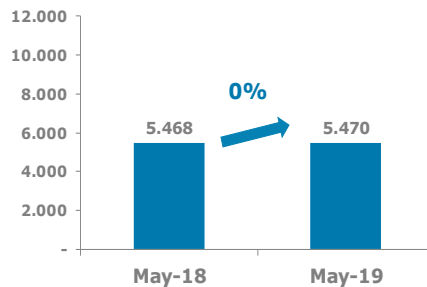
VIP PIRINEOS



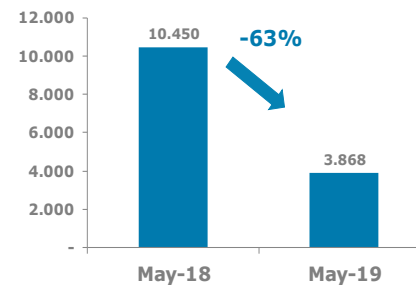
VIP IBÉRICO



ALMERÍA



TARIFA



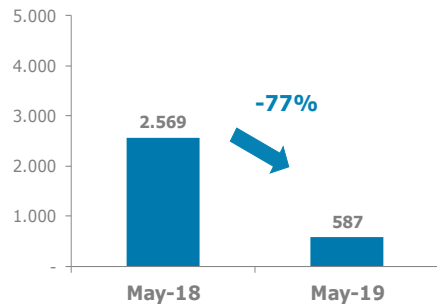
Interconnection points

Exports

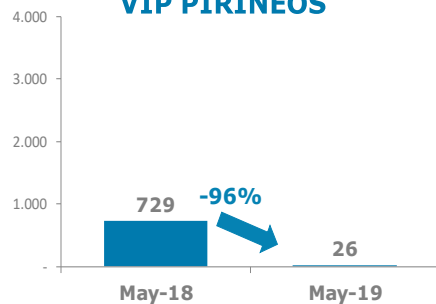
Unit: GWh



VIP IBÉRICO



VIP PIRINEOS



Interconnection points

Balance

Unit: GWh	Monthly Record			Monthly Mobile Annual Record		
	May-18	May-19	Δ over/May-18	Year 2019	MAT Jun- 18/May-19	Δ s/MAT
Tarifa GME	10.450	3.868	-63%	23.150	73.398	-30%
Almería MEDGAZ	5.468	5.470	0%	28.950	77.179	-3%
VIP PIRINEOS	1.420	3.949	>100%	26.001	44.421	41%
VIP IBÉRICO	-2.569	-537	-79%	-245	-12.553	-44%
National gas field	90	111	23%	734	1.550	60%
National biogas	8	9	9%	45	99	5%
TOTAL	14.867	12.870	-13%	78.635	184.093	-5,4%



(+) Entry flows; (-) Exit flows

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 company name and logo.

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Activity at Barcelona plant



Contract information (Average value)		May-18	May-19
Send-out	GWh/day	181	232
LNG Trucks	GWh/day	9	15
% average contract vs. nominal		34%	44%
% average contract use		86%	86%

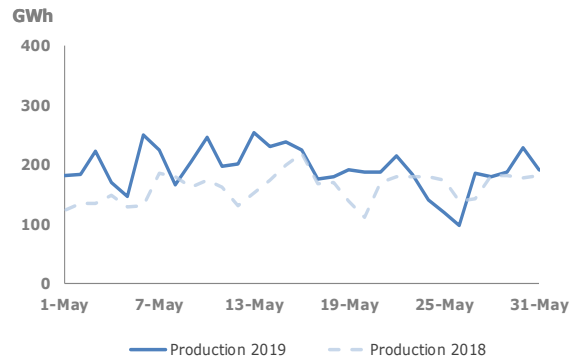
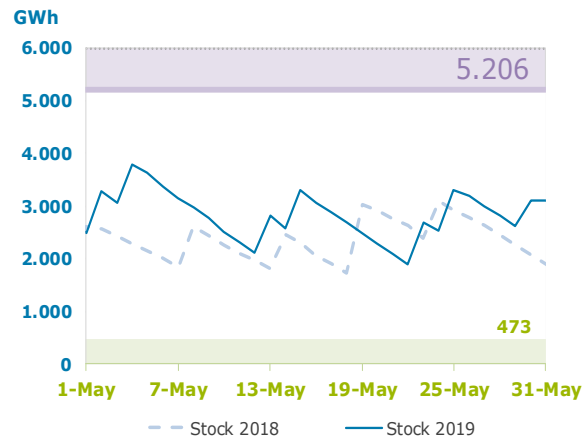
2018

5,02 LNG Unloaded
(5.015 GWh)
0 LNG Loaded
(0 GWh)



2019

7 LNG Unloaded
(6.390 GWh)
1 LNG Loaded
(27 GWh)



Physical production			May-18	May-19
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production		GWh	5.002	5.985

Activity at Huelva plant



Contract information (Average value)		May-18	May-19
Send-out	GWh/day	157	180
LNG Trucks	GWh/day	8	8
% average contract vs. nominal		42%	48%
% average contract use		62%	94%

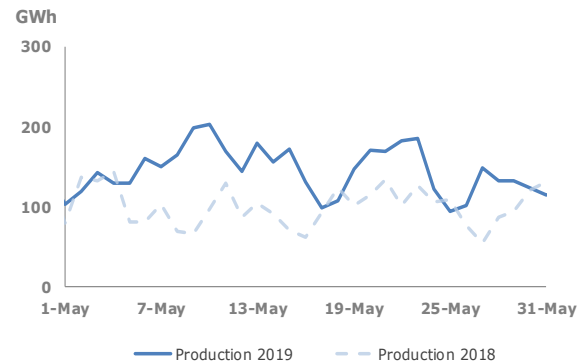
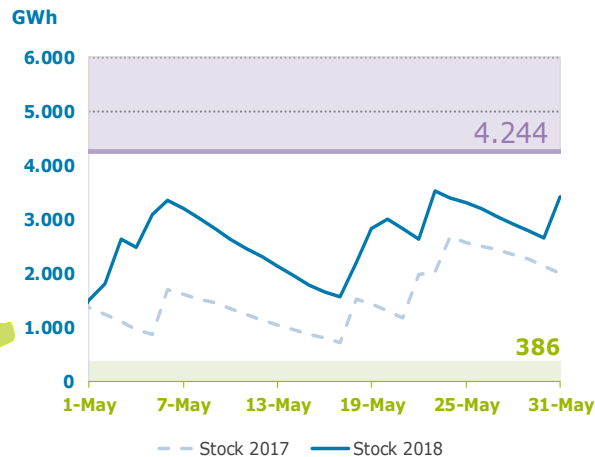
2018

2019

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



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



Physical production		May-18	May-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	3.111	4.481

Activity at Cartagena plant



Contract information (Average value)		May-18	May-19
Send-out	GWh/day	11	10
LNG Trucks	GWh/day	6	9
% average contract vs. nominal		4%	5%
% average contract use		90%	90%

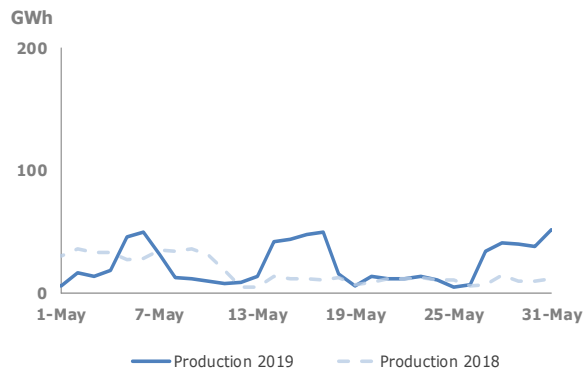
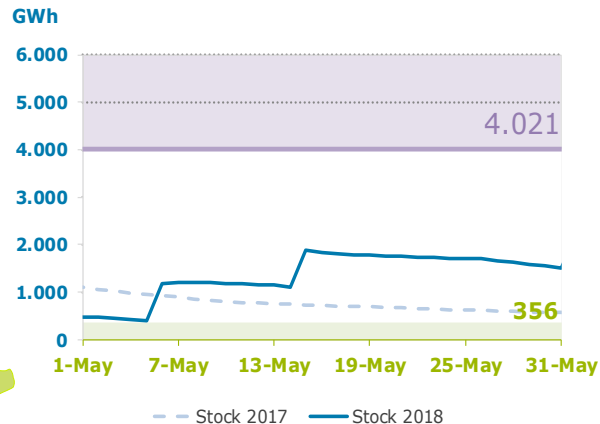
2018

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



2019

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



Physical production		May-18	May-19	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	540	722

Activity at Bilbao plant

Contract information (Average value)		May-18	May-19
Send-out	GWh/day	88	195
LNG Trucks	GWh/day	2	3
% average contract vs. nominal		40%	87%
% average contract use		84%	91%

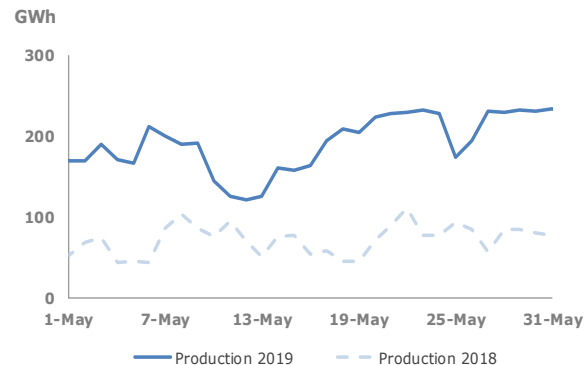
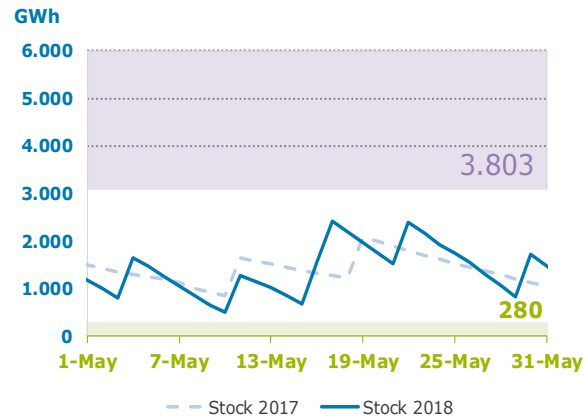
2018

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



2019

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



Physical production			May-18	May-19
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	228
Monthly production		GWh	2.245	5.937

Activity at Sagunto plant



Contract information (Average value)		May-18	May-19
Send-out	GWh/day	1	1
LNG Trucks	GWh/day	4	4
% average contract vs. nominal		2%	2%
% average contract use		82%	97%

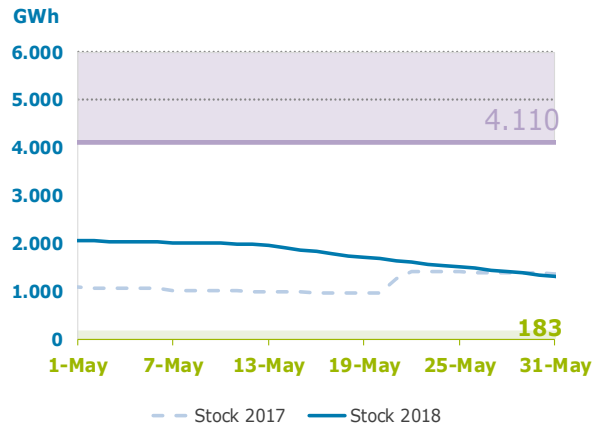
2018

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

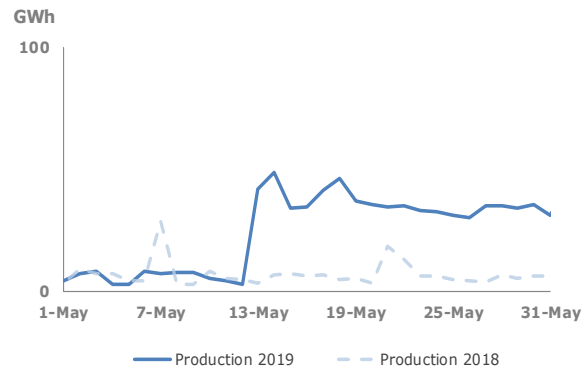


2019

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



Physical production			May-18	May-19
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production		GWh	213	756



Activity at Mugardos plant



Contract information (Average value)		Apr-18	Apr-19
Send-out	GWh/day	23	15
LNG Trucks	GWh/day	3	4
% average contract vs. nominal		21%	15%
% average contract use		70%	97%

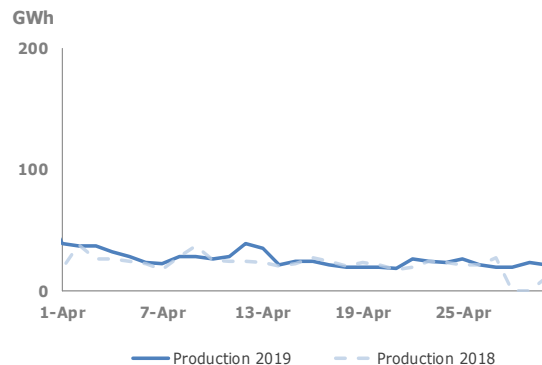
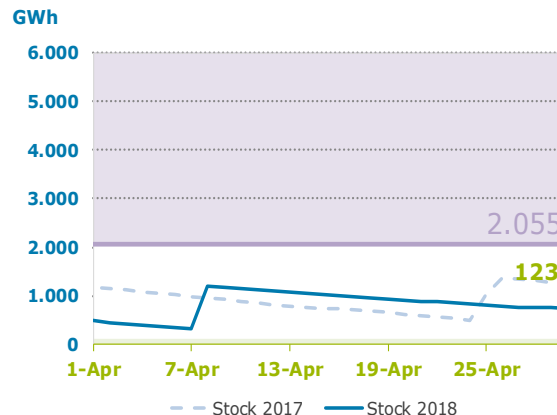
2018

2019

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



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



Physical production			Apr-18	Apr-19
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production		GWh	659	771

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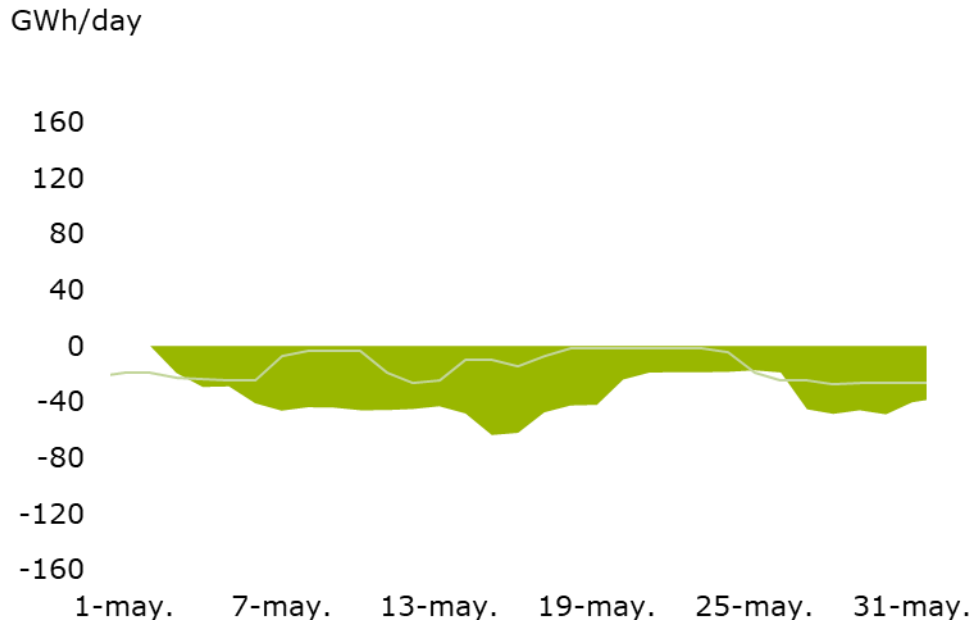
Production at regasification plants

Activity by LNG plant

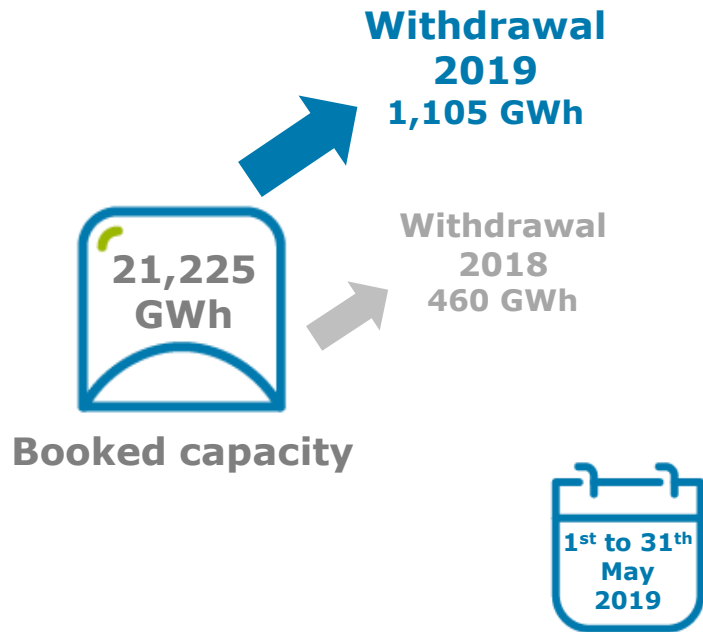
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Withdrawal / injection season



■ Injection — Injec. previous year



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



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

Thank you

