



Statistical bulletin

Technical Management of the System

April 2018

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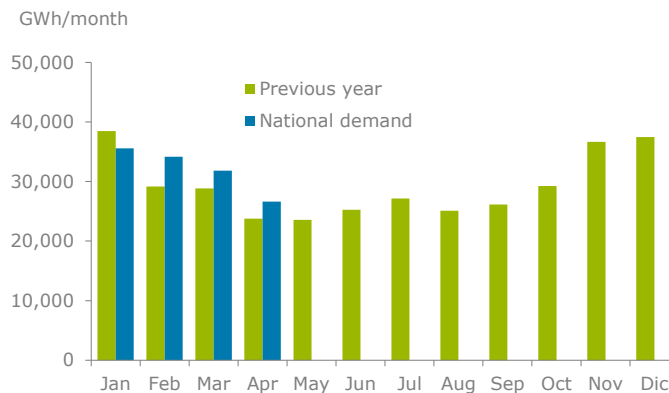
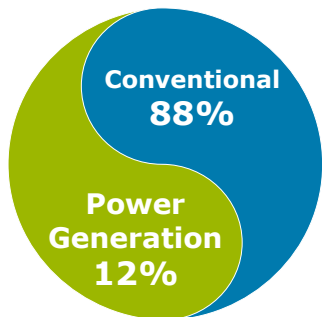
6. Operating notes

NATURAL GAS DEMAND FOLLOW-UP

Unit : GWh

	Month 1 st to 30 th April	% Δ Month	Year Year 2018	% Δ Year	MAT 1 st May 2017 to 30 th April 2018	% Δ 2017
<i>National Demand</i>	26.582	11,7%	128.141	6,5%	358.707	2,2%
- Conventional demand	23.400	12,6%	111.852	7,8%	283.207	2,9%
- NG for Power Generation	3.182	5,9%	16.289	-1,4%	75.500	-0,3%
<i>International Demand</i>						
- International connections exports	2.110	-23,7%	9.064	-0,7%	30.677	-0,2%
- LNG Vessel loading	15	>100%	2.185	>100%	3.234	>100%
TOTAL	28.706	8,1%	139.389	7,7%	392.619	2,6%

National demand
April - 2018

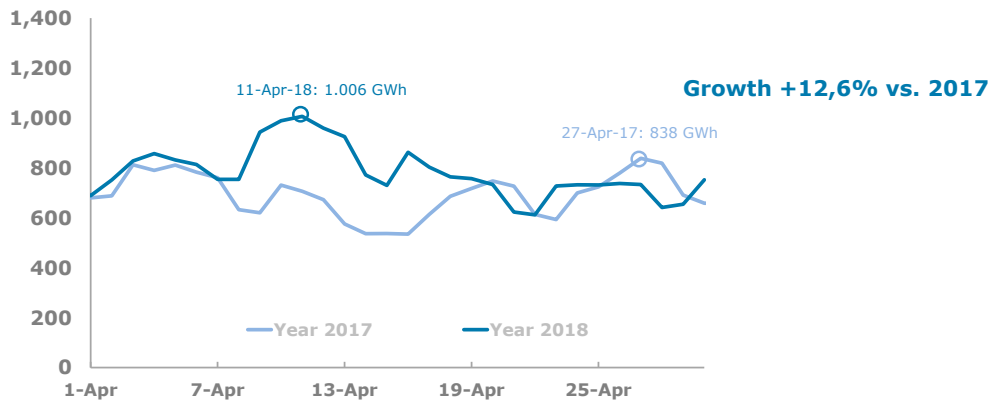


CONVENTIONAL DEMAND

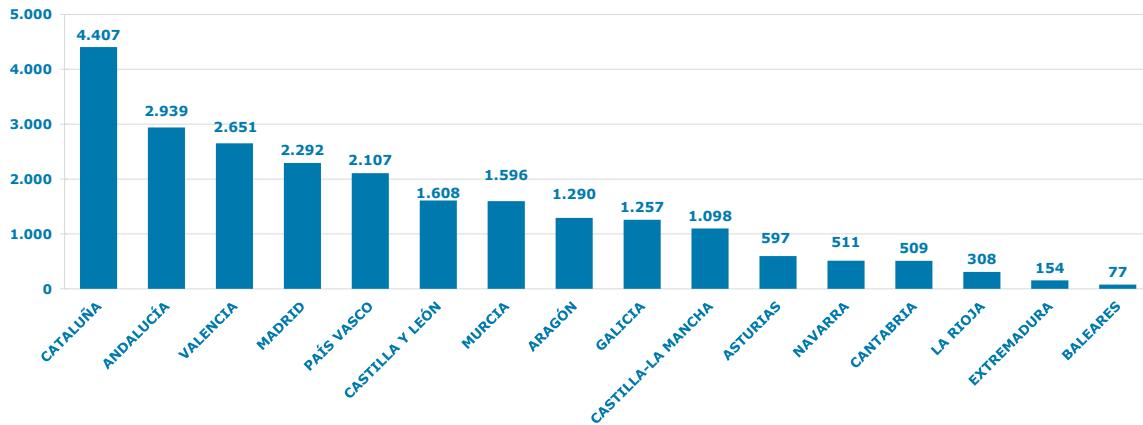
Growth per region

Comparison 2017 - 2018

Unit: GWh



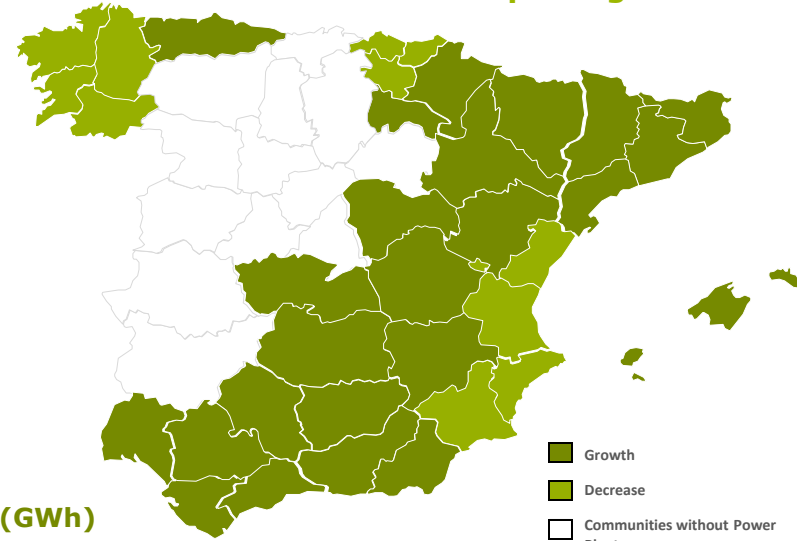
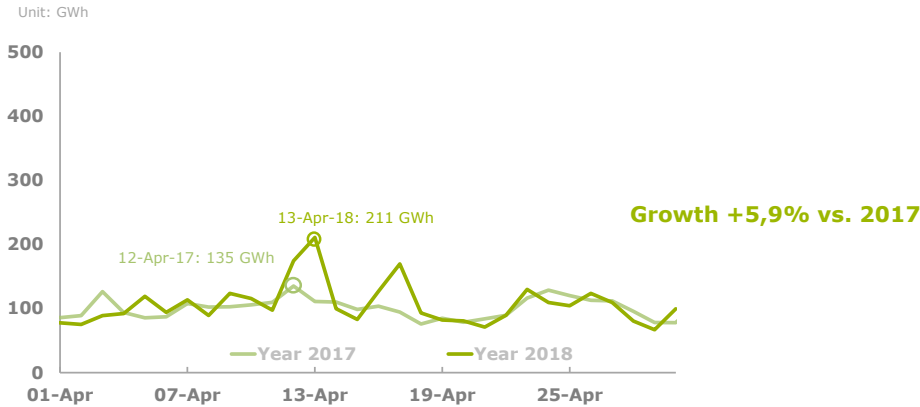
Conventional demand per CCAA (GWh)



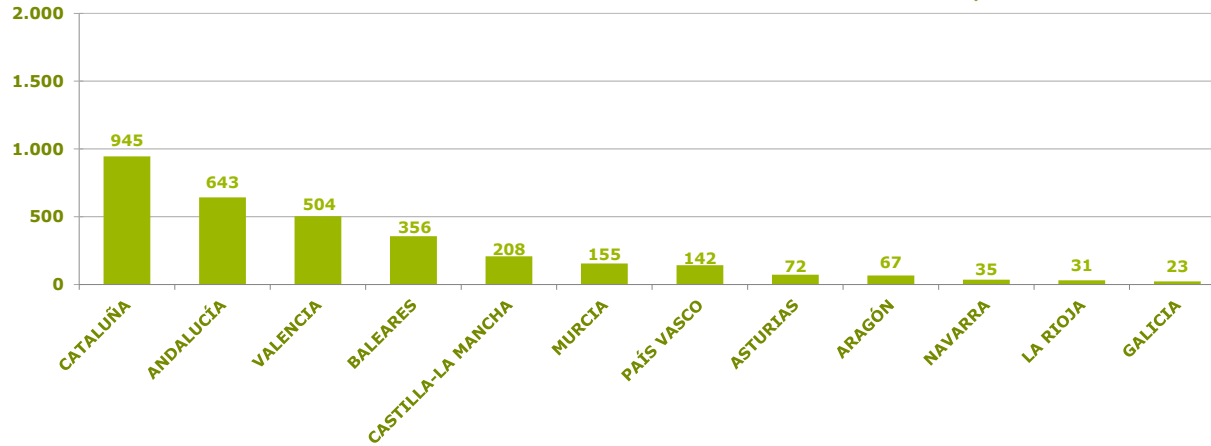
NATURAL GAS FOR POWER GENERATION

Growth per region

Comparison 2017 - 2018



NG for Power Generation (GWh)

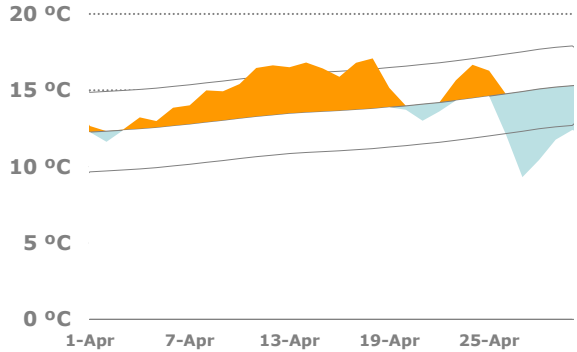


CTCC + CT

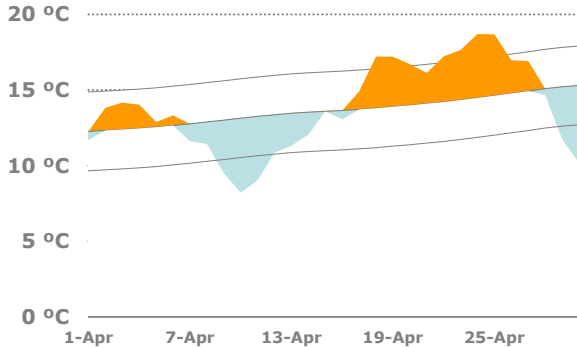


DEMAND - TEMPERATURES

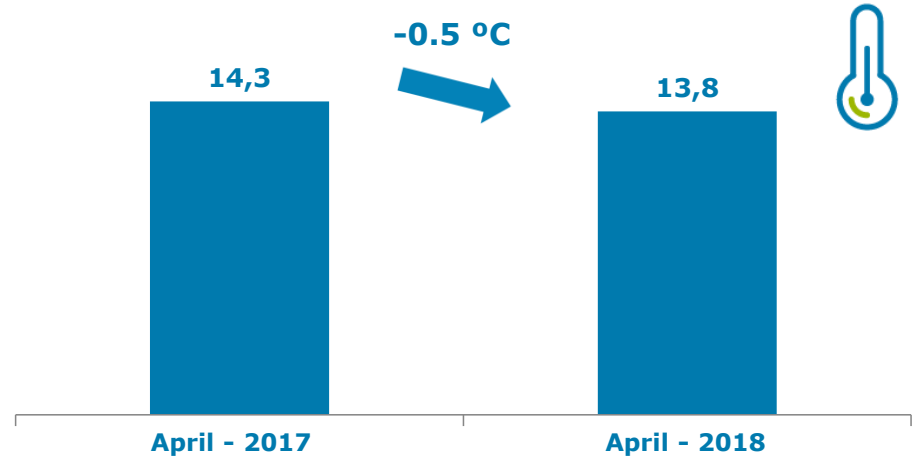
Temperatures 2017



Temperatures 2018



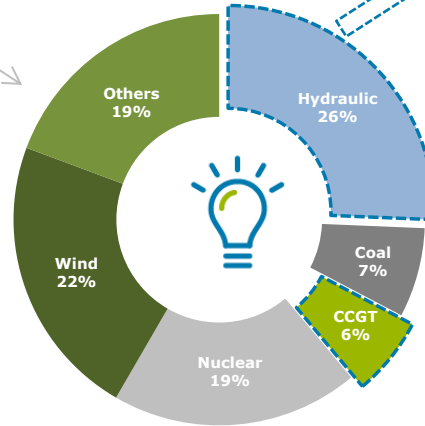
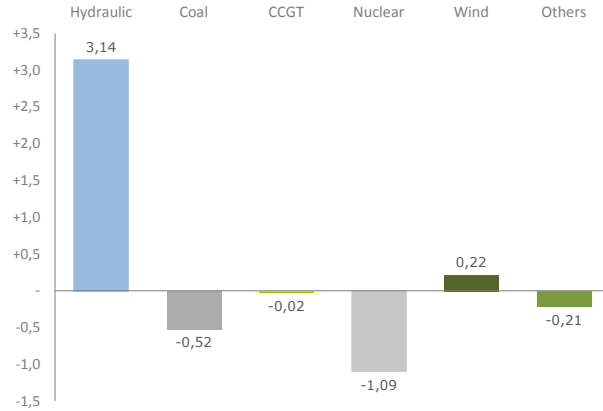
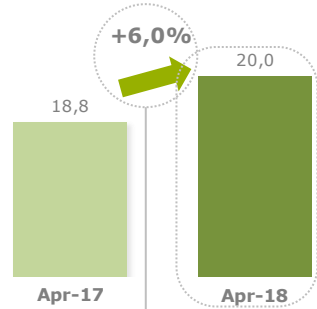
- Temperatures have been lower during April 2018 in comparison with April 2017, experiencing a temperature fall between 9th April and 13th.
- The average temperature has been **0,5°C** lower than the average of April 2017



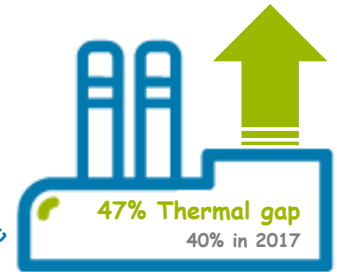
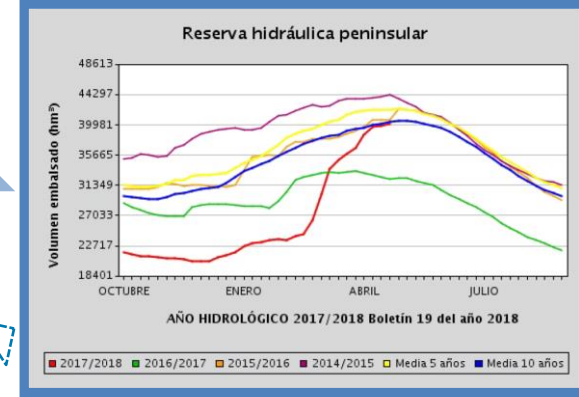
GAS FOR POWER GENERATION

TRANSMISSION DEMAND APRIL-18 VS. APRIL-17

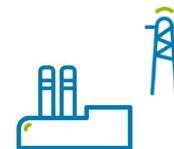
Unit: TWh (e)



RED ELÉCTRICA DE ESPAÑA



GAS FOR POWER GENERATION

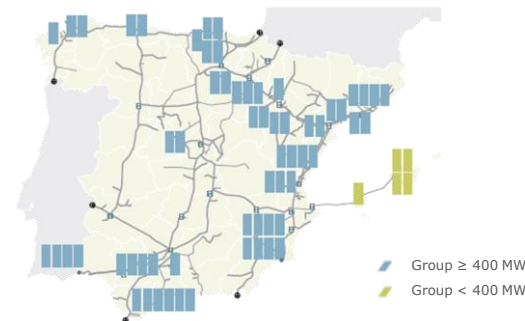
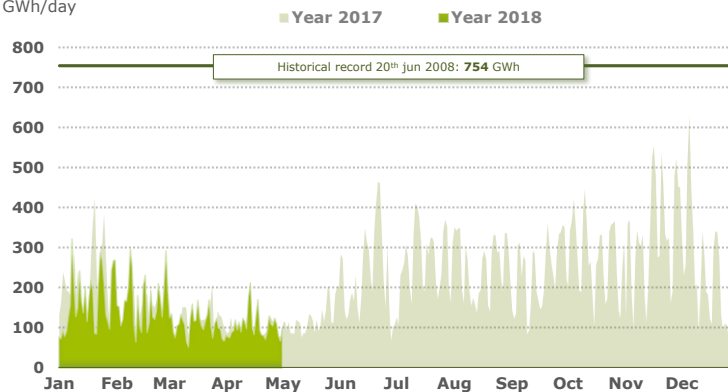


TPPCC 's

Unit: GWh	Monthly record			Mobile Annual Total record		
	Apr-17	Apr-18	Δ s/Apr-18	Year 2017	MAT May-2017/Apr-2018	Δ over/Year 2017
NG for Power Generation	3.006	3.182	+5,9%	75.728	75.500	-0,3%
- Thermal Power Plants	14	13	-6%	228	249	+10%
- CCGT 's	2.992	3.169	+6%	75.501	75.251	-0,3%
Installed power MW	26.251	26.251	-	26.251	26.251	-
Maximum daily consumption	135	211	+56%	630	630	-
	12-Apr-17	13-Apr-18		05-Dec-17	05-Dec-17	
Minimum daily consumption	76	67	-12%	56	52	-6%
	18-Apr-17	29-Apr-18		04-Mar-17	11-Mar-18	
% Generation mix	7%	6%	-0,6 points	14%	13%	-0,3 points
% Thermal Gap *	40%	47%	+7,3 points	44%	46%	+1,5 points

* Thermal gap=CCGT 's+Coal

GWh/day



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ORIGIN OF SUPPLIES



Unit: GWh		Monthly record		Mobile Annual Total record		
		Apr-17	Apr-18	Year 2017	MAT May-17/Apr-18	%
Algeria	NG	12.269	16.622	161.243	170.671	50%
	LNG	992	492	26.767	26.823	
Nigeria	LNG	5.782	3.014	48.592	44.714	11%
Qatar	LNG	1.841	4.581	38.977	42.620	11%
T&T	LNG	-	2.670	6.117	9.733	2%
Peru	LNG	1.768	-	39.441	32.343	8%
France	NG	3.196	2.141	44.084	44.790	11%
	LNG	-	-	-	487	
Angola	LNG	-	1.016	3.111	3.081	0,8%
United States	LNG	-	-	8.543	5.244	1%
Norway	LNG	-	893	10.070	9.586	2%
Egypt	LNG	-	-	1.127	1.127	0,3%
National	NG	45	58	419	320	0,1%
Portugal	NG	-	17	15	27	0,01%
Netherlands	LNG	-	-	1.198	820	0,21%
Russia	LNG	-	1.102	-	2.132	0,54%
TOTAL		25.892	32.606	389.703	394.517	100%

National NG includes the withdrawal from national fields and biogas

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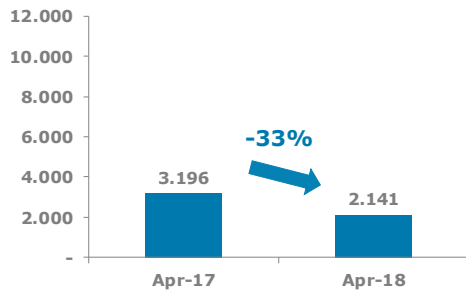
INTERCONNECTION POINTS



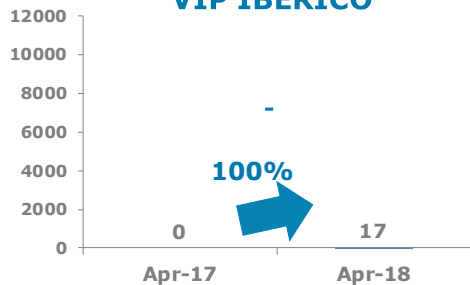
Imports

Unit: GWh

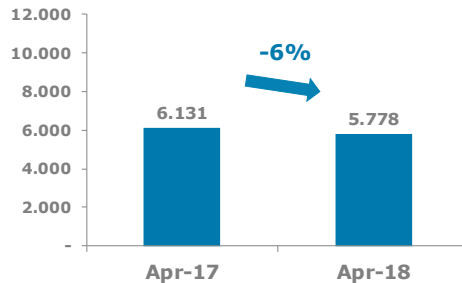
VIP PIRINEOS



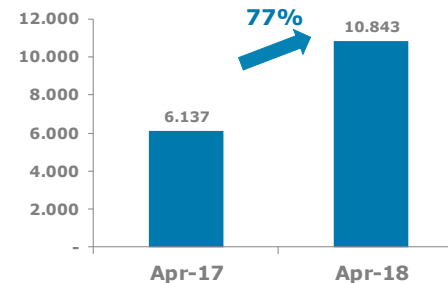
VIP IBÉRICO



ALMERÍA



TARIFA



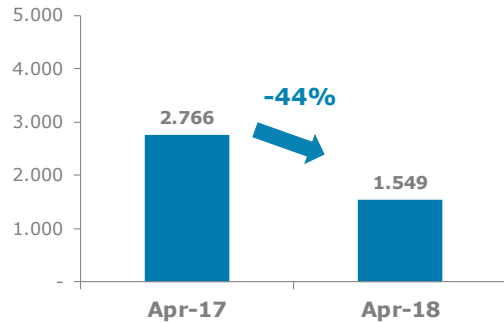
INTERCONNECTION POINTS



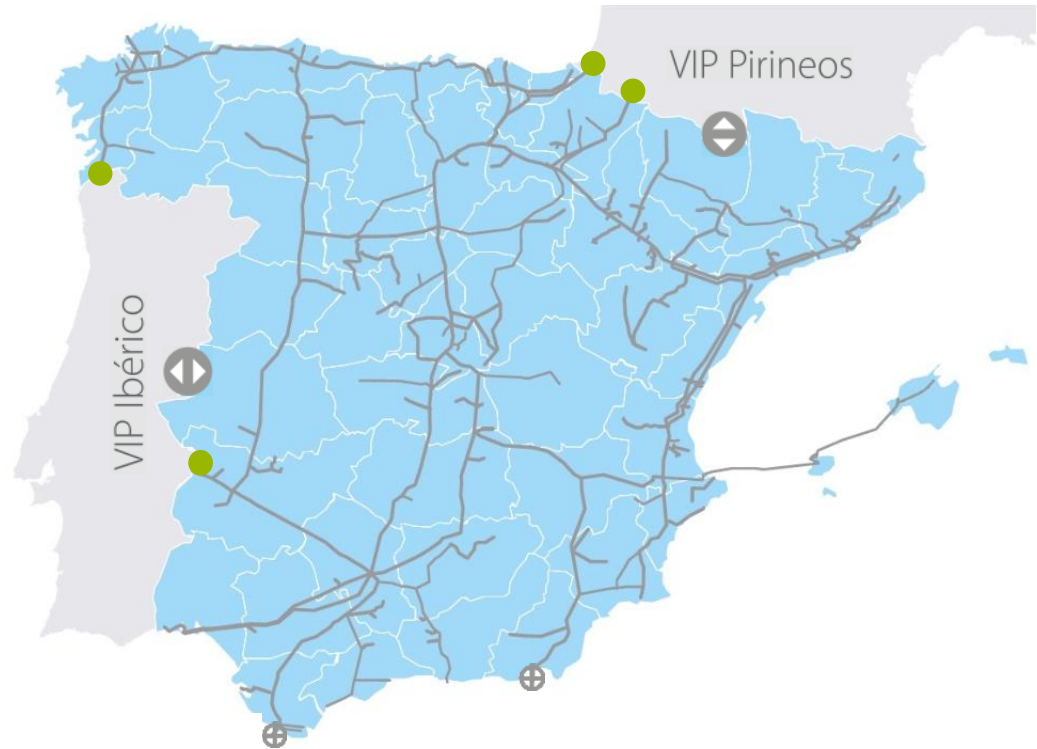
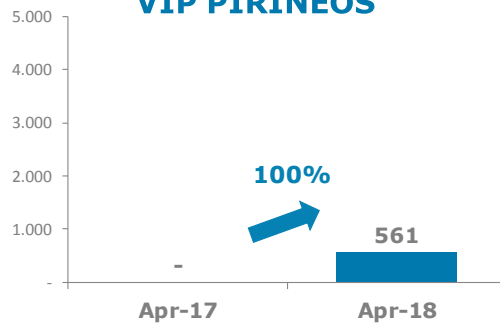
Exports

Unit: GWh

VIP IBÉRICO



VIP PIRINEOS



INTERCONNECTION POINTS

Balance



Unit: GWh	Monthly record			Mobile Annual Total record		
	Apr-17	Apr-18	Δ s/Apr-17	Year 2017	MAT May- 17/Apr-18	Δ s/MAT
Tarifa GME	6.137	10.843	77%	86.497	99.340	14,8%
Almería MEDGAZ	6.131	5.778	-6%	74.746	71.331	-4,6%
VIP PIRINEOS	3.196	1.580	-51%	43.192	42.916	-0,6%
VIP IBÉRICO	-2.766	-1.532	-45%	-29.824	-28.777	-3,5%
National Gas	45	58	29%	419	320	-23,7%
TOTAL	12.743	16.728	31%	175.030	185.130	5,8%

(+) Entry flows; (-) Exit flows

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ACTIVITY AT BARCELONA PLANT



Contract information (Average value)		Apr-17	Apr-18
Send-out	GWh/day	169	161
LNG Trucks	GWh/day	10	9
% average contract vs. nominal		32%	30%
% average contract use		88%	72%

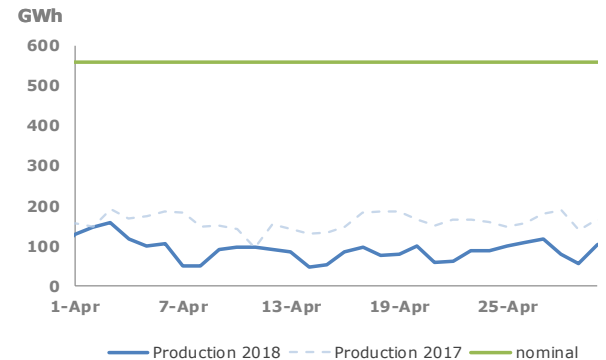
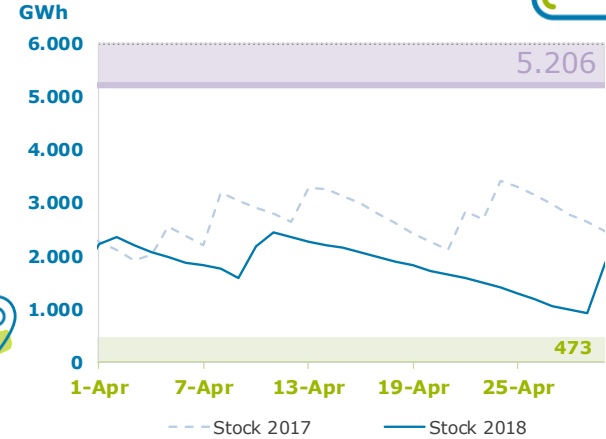
2017

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



2018

3 LNG Unloaded
(2.925 GWh)
1 LNG Loaded
(15 GWh)



Physical production			Apr-17	Apr-18
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production		GWh	4.766	2.699

ACTIVITY AT HUELVA PLANT



Contract information (Average value)		Apr-17	Apr-18
Send-out	GWh/day	114	162
LNG Trucks	GWh/day	8	8
% average contract vs. nominal		31%	43%
% average contract use		76%	82%

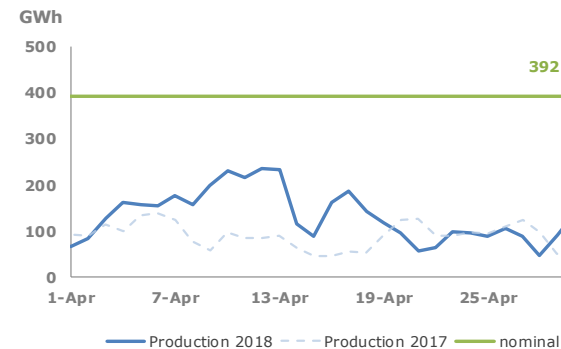
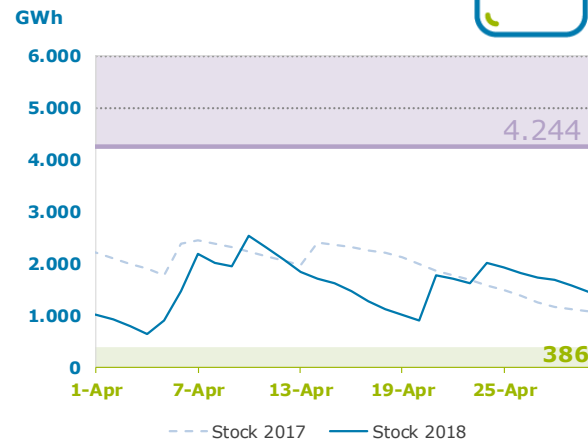
2017

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



2018

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



Physical production		Apr-17	Apr-18	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	2.671	3.982

ACTIVITY AT CARTAGENA PLANT

Contract information (Average value)		Apr-17	Apr-18
Send-out	GWh/day	10	51
LNG Trucks	GWh/day	7	6
% average contract vs. nominal		4%	15%
% average contract use		89%	83%

2017

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

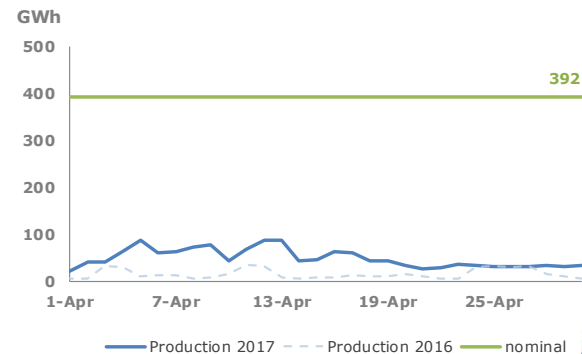
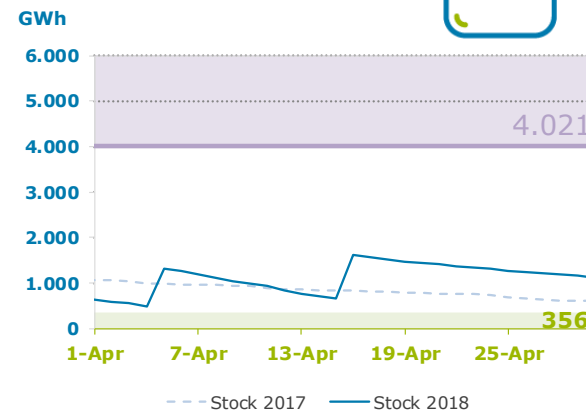


2018

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



Physical production			Apr-17	Apr-18
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	461	1.458



ACTIVITY AT BILBAO PLANT



Contract information (Average value)		Apr-17	Apr-18
Send-out	GWh/day	82	94
LNG Trucks	GWh/day	2	2
% average contract vs. nominal		37%	42%
% average contract use		87%	80%

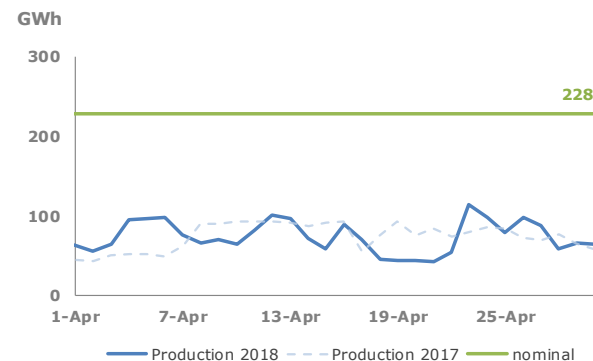
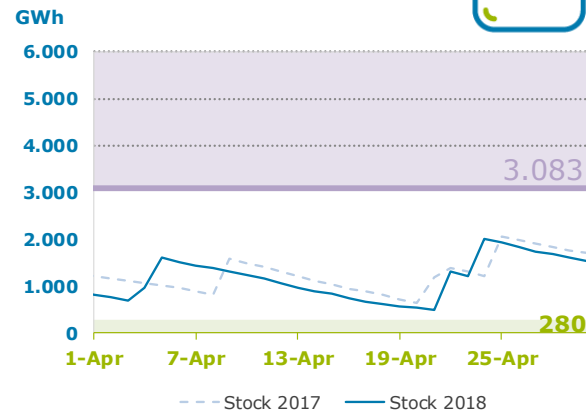
2017

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



2018

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



Physical production		Apr-17	Apr-18	
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	228
Monthly production		GWh	2.222	2.210

ACTIVITY AT SAGUNTO PLANT



Contract information (Average value)		Apr-17	Apr-18
Send-out	GWh/day	50	0
LNG Trucks	GWh/day	7	5
% average contract vs. nominal		20%	2%
% average contract use		87%	89%

2017

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

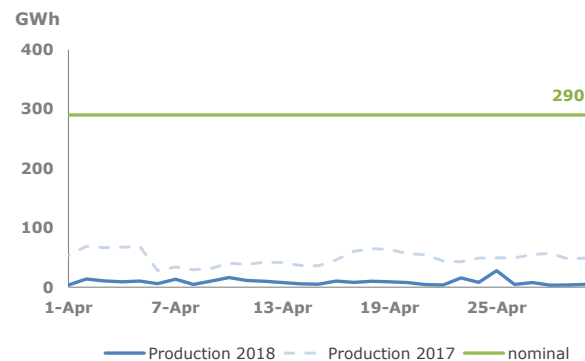
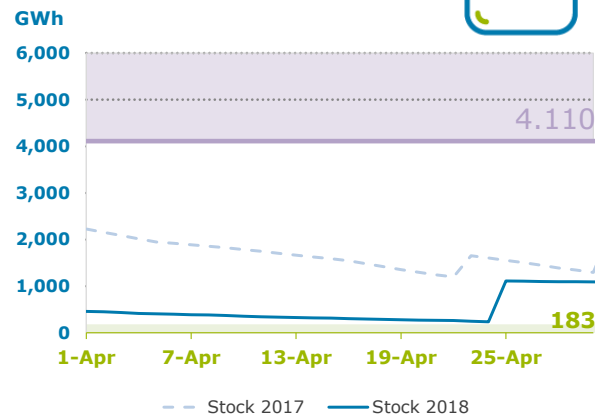


2018

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



Physical production			Apr-17	Apr-18
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production		GWh	1.471	266



ACTIVITY AT MUGARDOS PLANT



Contract information (Average value)		Apr-17	Apr-18
Send-out	GWh/day	33	23
LNG Trucks	GWh/day	4	3
% average contract vs. nominal		29%	21%
% average contract use		85%	70%

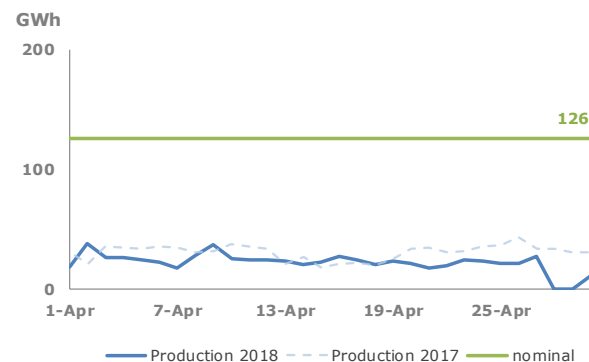
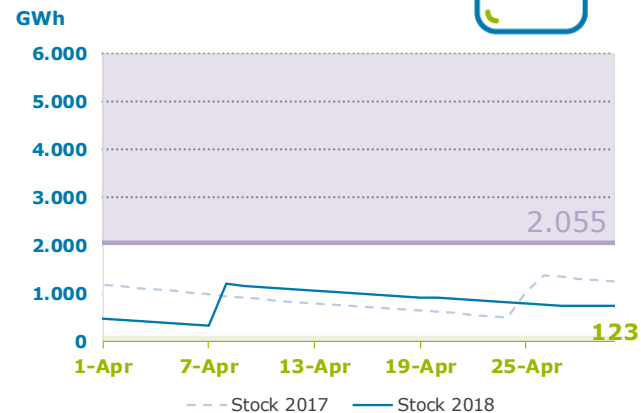
2017

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



2018

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



Physical production		Apr-17	Apr-18	
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production		GWh	926	659

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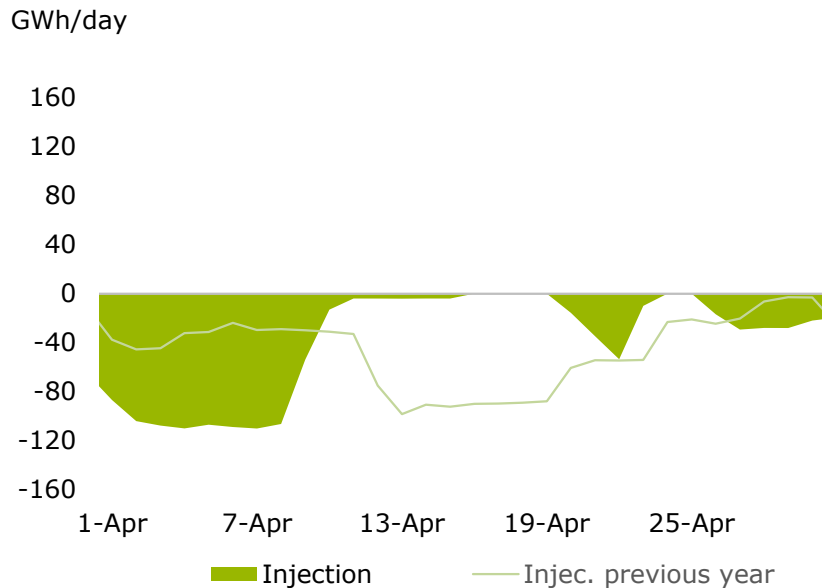
6. Operating notes

UNDERGROUND STORAGE



Injection season

Booked capacity
21.090 GWh



Injection 2018
1.174 GWh

Injection 2017
1.415 GWh

21.090
TWh

Stock
30th April

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OPERATING NOTES

2 Operating Notes were published during April 2018

- Operating Note 08: Ship's drift to Sagunto's Regasification Plant- Exceptional Operating Situation – Level zero (09/04/2018)
- Operating Note 09 (Initial): The State Meteorological Agency (AEMET) announces a decrease in temperatures from April 9th to April 13th (09/04/2018)



