



Statistical bulletin

Technical Management of the System

February 2018

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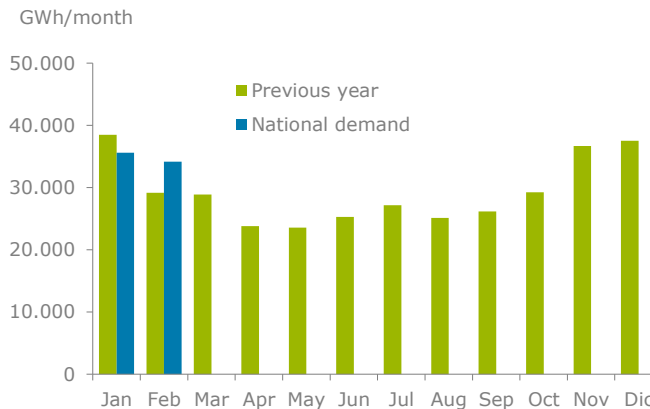
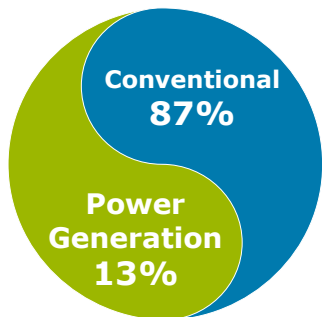
5. Underground storage

6. Operating notes

NATURAL GAS DEMAND FOLLOW-UP

Unit : GWh	Month	% Δ Month	Year 2017	% Δ Year	MAT	% Δ 2016
	1 st to 28 th February		Year 2018		1 st March 2017 to 28 th February 2018	
<i>National Demand</i>	34.145	17,0%	69.741	3,1%	352.968	0,6%
- Conventional demand	29.589	15,5%	59.993	4,2%	277.585	0,9%
- NG for Power Generation	4.556	27,9%	9.749	-3,4%	75.383	-0,5%
<i>International Demand</i>						
- International connections exports	2.361	53,4%	2.361	-26,2%	31.447	2,3%
- LNG Vessel loading	1.091		2.170		3.222	>100%
TOTAL	37.598	22,4%	74.273	4,8%	387.638	1,3%

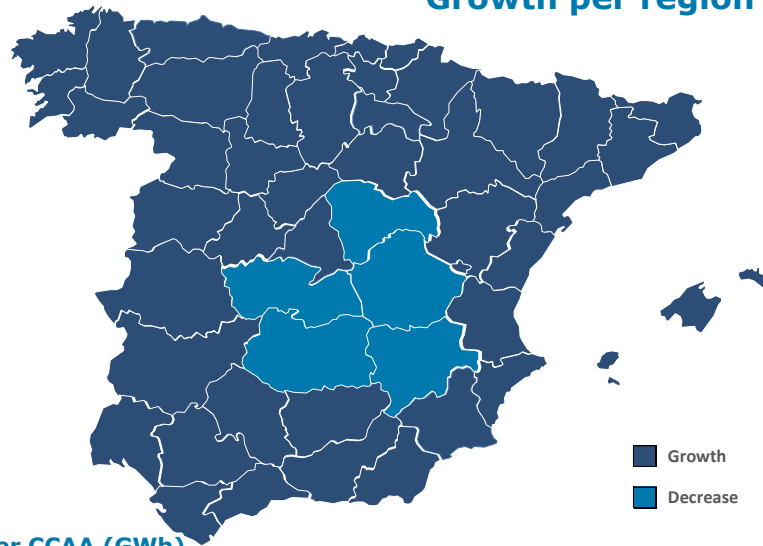
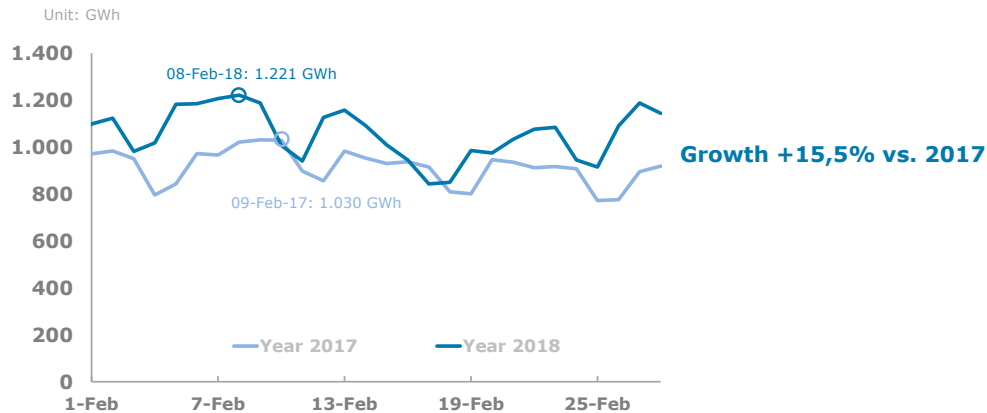
National demand
February - 2018



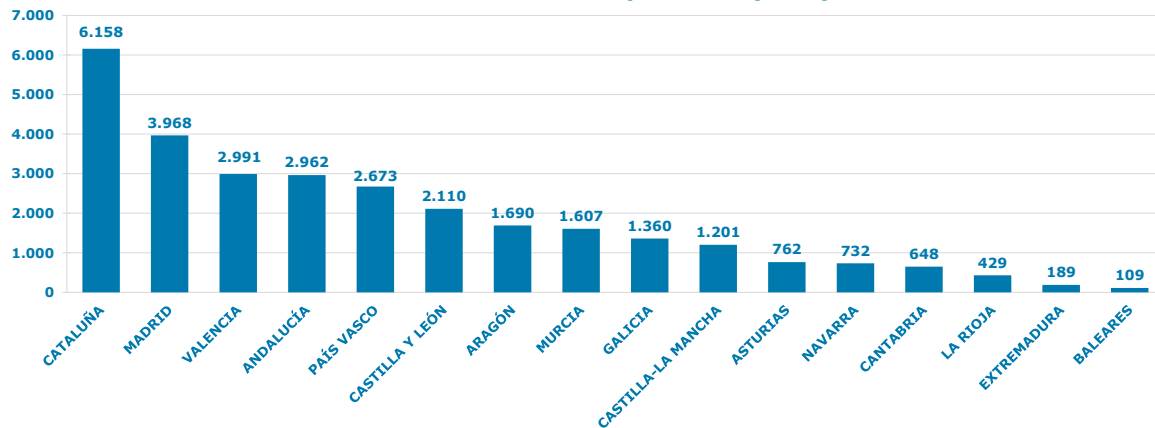
CONVENTIONAL DEMAND

Growth per region

Comparison 2017 - 2018



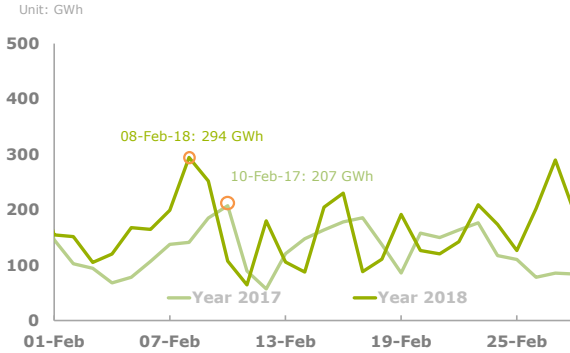
Conventional demand per CCAA (GWh)



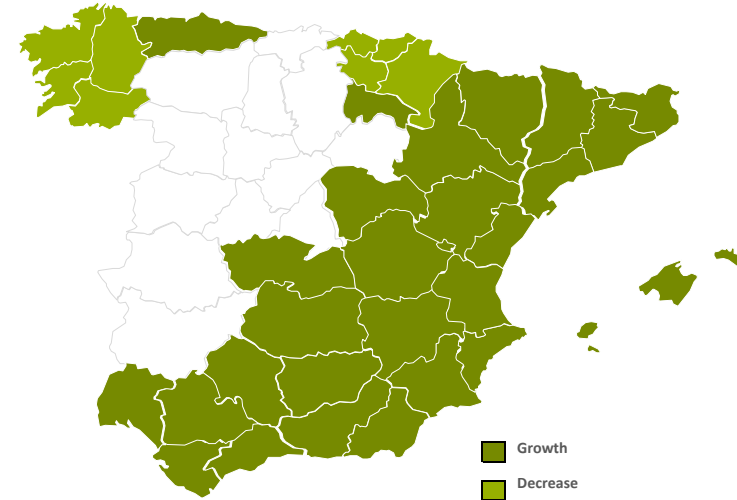
NATURAL GAS FOR POWER GENERATION

Growth per region

Comparison 2017 - 2018

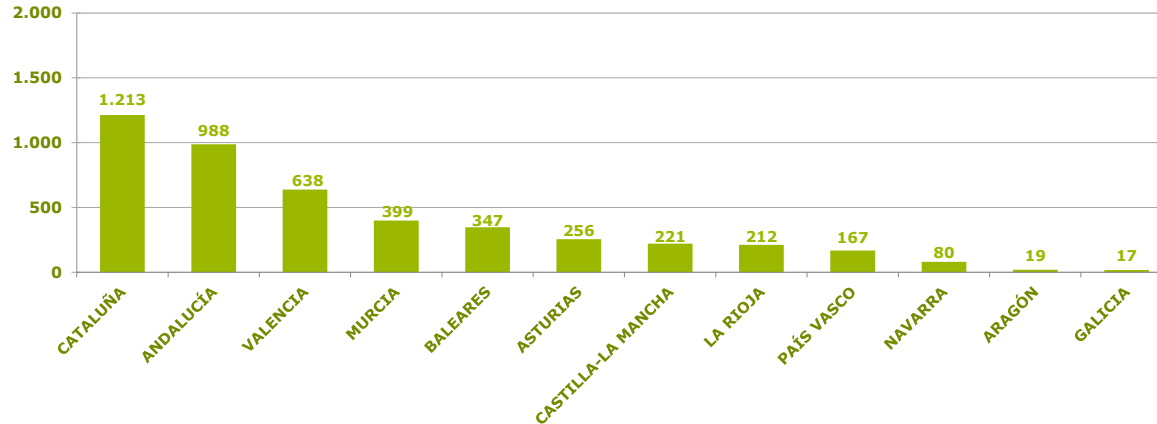


Growth +27,9% vs. 2017



- Growth
- Decrease
- Communities without Power Plants

NG for Power Generation (GWh)

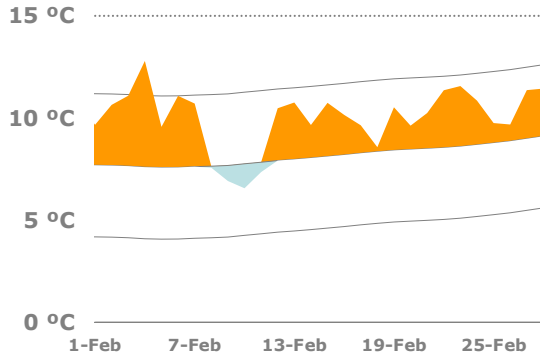


CTCC + CT

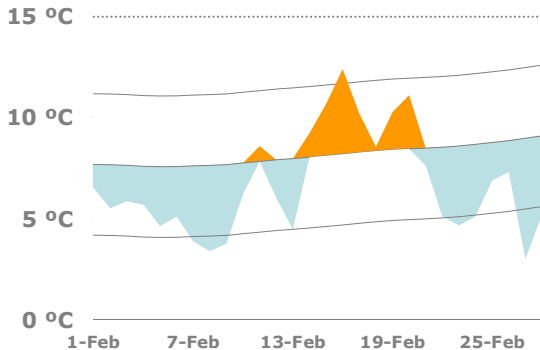


DEMAND - TEMPERATURES

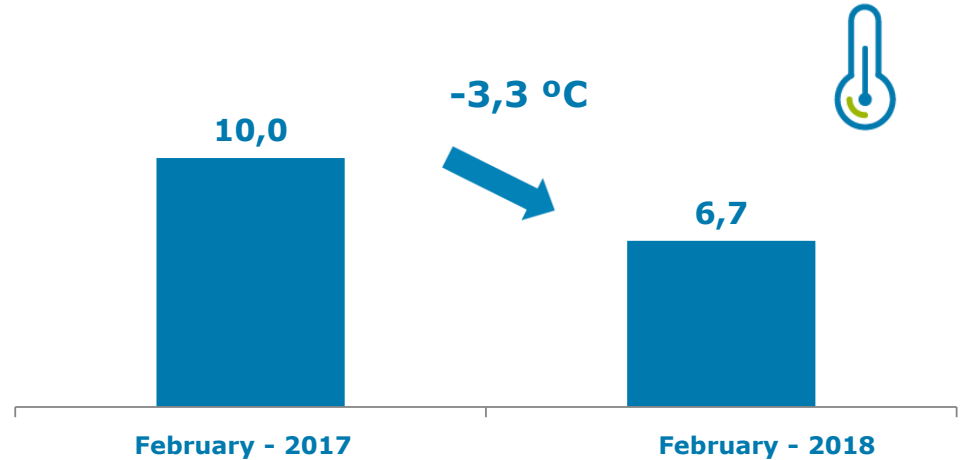
Temperatures 2017



Temperatures 2018



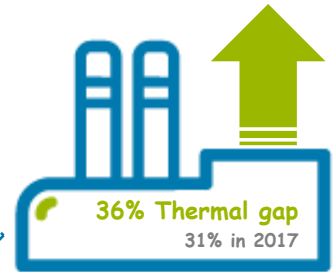
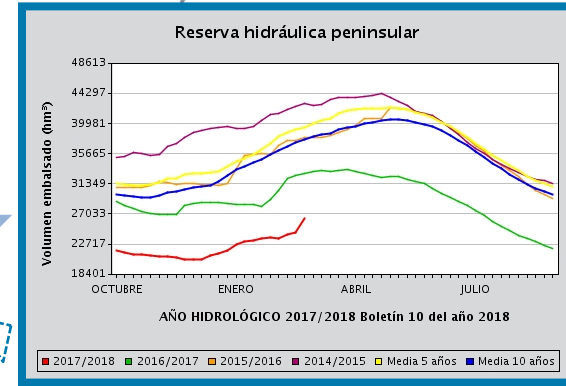
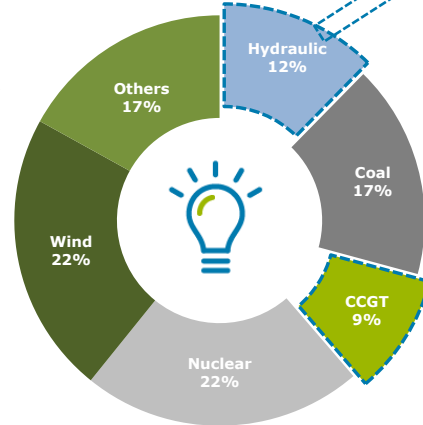
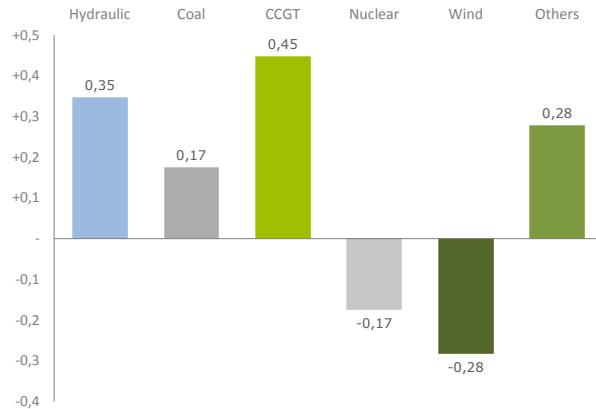
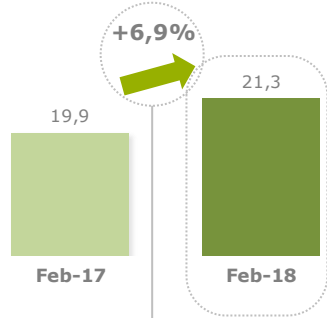
- Temperatures have been lower during February 2018 in comparison with February 2017
- The average temperature has been **3,3°C** lower than the average of February 2017



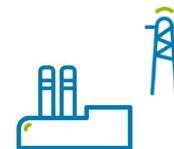
GAS FOR POWER GENERATION

TRANSMISSION DEMAND FEBRUARY-18 VS. FEBRUARY-17

Unit: TWh (e)



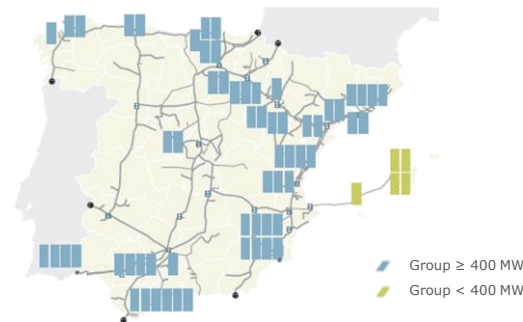
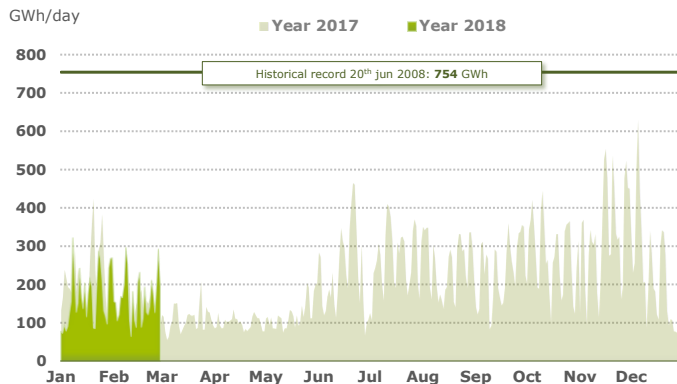
GAS FOR POWER GENERATION



TPPCC 's

Unit: GWh	Monthly record			Mobile Annual Total record		
	Feb-17	Feb-18	Δ s/feb-17	Year 2017	MAT Mar-2017/Feb-2018	Δ over/Year 2017
NG for Power Generation	3.560	4.556	+28%	75.733	75.383	-0,5%
- Thermal Power Plants	17	21	+21%	232	257	+11%
- CCGT 's	3.542	4.535	+28%	75.501	75.126	-0,5%
Maximum daily consumption	207	294	+42%	630	630	-
	10-Feb-17	08-Feb-18		05-Dec-17	05-Dec-17	
Minimum daily consumption	57	64	+12%	56	56	-
	12-Feb-17	11-Feb-18		04-Mar-17	04-Mar-17	
% Generation mix	8%	9%	+1,9 points	14%	14%	+0,0 points
% Thermal Gap *	31%	36%	+4,6 points	44%	45%	+1,0 points

* Thermal gap=CCGT 's+Coal



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ORIGIN OF SUPPLIES



Unit: GWh		Monthly record		Mobile Annual Total record		
		Feb-17	Feb-18	Year 2017	MAT Mar-17/Feb-18	%
Algeria	NG	15.708	16.769	161.243	163.696	50%
	LNG	4.412	2.812	26.767	28.304	
Nigeria	LNG	3.980	2.542	48.592	49.157	13%
Qatar	LNG	3.585	2.704	38.977	38.083	10%
T&T	LNG	910	-	6.117	5.250	1%
Peru	LNG	3.828	1.786	39.441	35.416	9%
France	NG	2.983	3.994	44.084	44.334	12%
Angola	LNG	1.046	-	3.111	2.065	0,5%
United States	LNG	1.366	-	8.543	5.244	1%
Norway	LNG	1.820	975	10.070	8.694	2%
Egypt	LNG	-	-	1.127	1.127	0,3%
National	NG	50	7	419	345	0,1%
Portugal	NG	15	10	15	10	0,00%
Netherlands	LNG	-	-	1.198	820	0,2%
Russia	LNG	-	-	-	1.030	0,27%
TOTAL		39.702	31.598	389.703	383.575	100%

National NG includes the withdrawal from national fields and biogas

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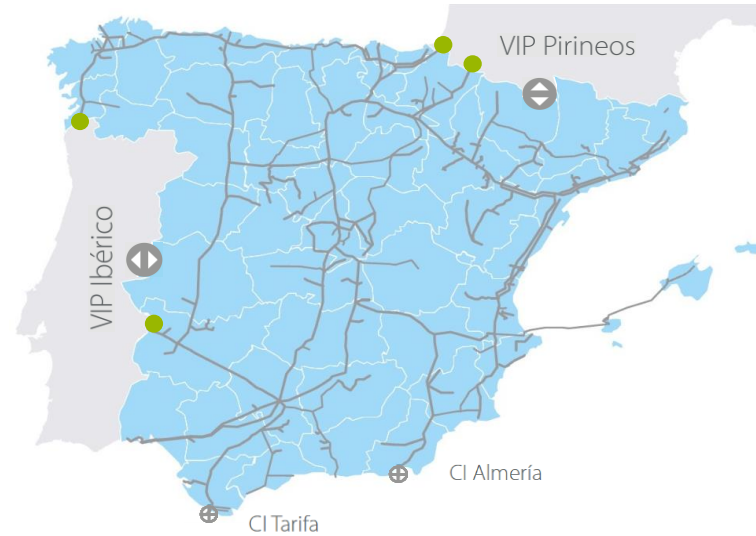
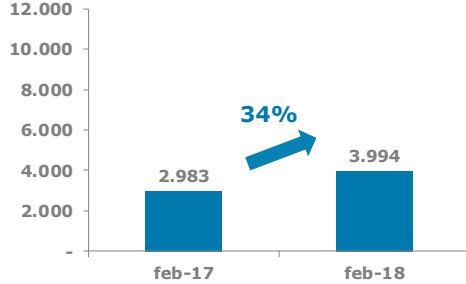
INTERCONNECTION POINTS



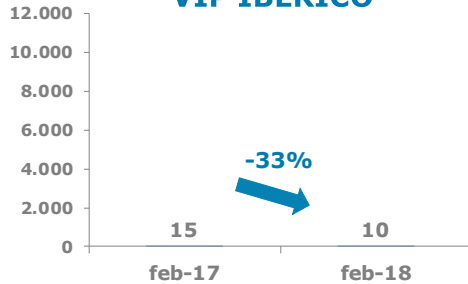
Imports

Unit: GWh

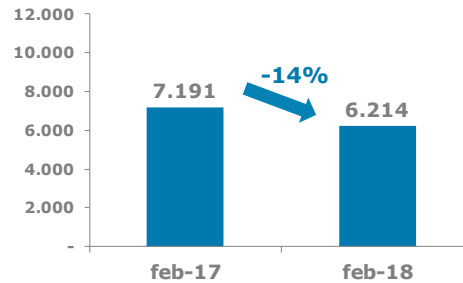
VIP PIRINEOS



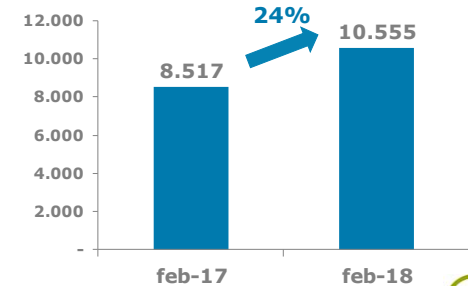
VIP IBÉRICO



ALMERÍA



TARIFA



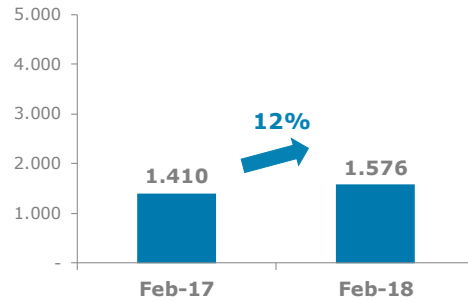
INTERCONNECTION POINTS



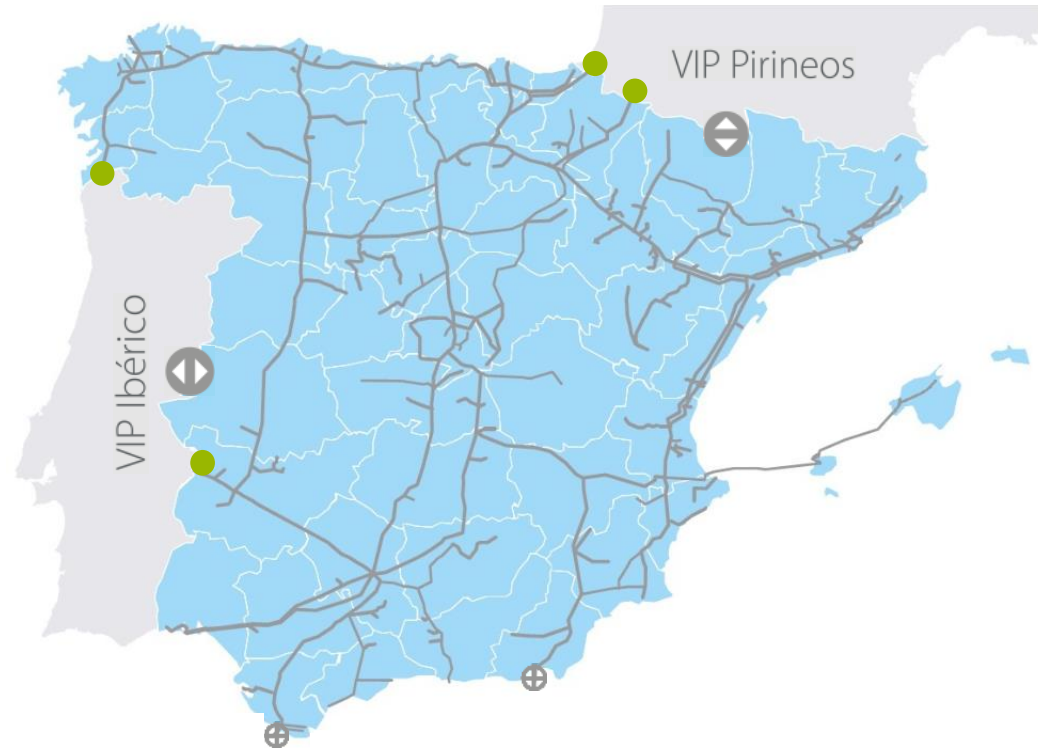
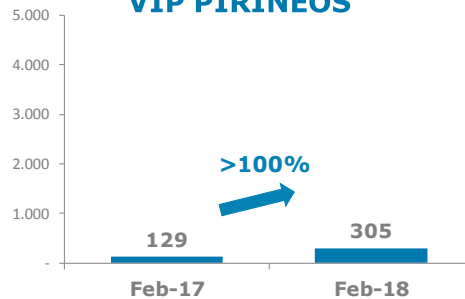
Exports

Unit: GWh

VIP IBÉRICO



VIP PIRINEOS



INTERCONNECTION POINTS

Balance



Unit: GWh	Monthly record			Mobile Annual Total record		
	Feb-17	Feb-18	Δ s/Feb-17	Year 2017	MAT Mar- 17/Feb-18	Δ s/MAT
Tarifa GME	8.517	10.555	24%	86.497	91.239	5,5%
Almería MEDGAZ	7.191	6.214	-14%	74.746	72.457	-3,1%
VIP PIRINEOS	2.854	3.690	29%	43.192	43.281	0,2%
VIP IBÉRICO	-1.395	-1.566	12%	-29.839	-30.727	3,0%
National Gas	50	7	-86%	419	345	-17,6%
TOTAL	17.217	18.900	10%	175.015	176.596	0,9%

(+) Entry flows; (-) Exit flows

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ACTIVITY AT BARCELONA PLANT



Contract information (Average value)		Feb-17	Feb-18
Send-out	GWh/day	157	163
LNG Trucks	GWh/day	11	8
% average contract vs. nominal		30%	31%
% average contract use		78%	91%

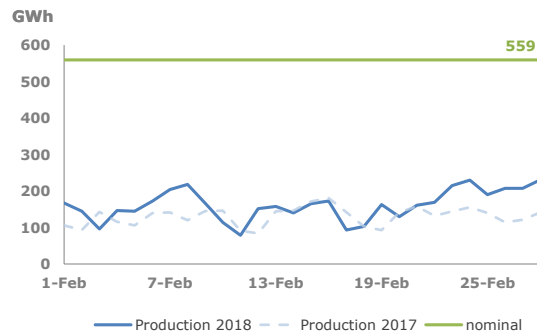
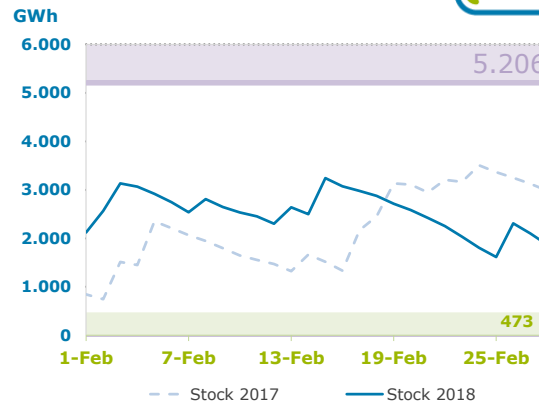
2017

8 LNG Unloaded
(5.650 GWh)
0 LNG Loaded
(0 GWh)



2018

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



Physical production			Feb-17	Feb-18
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production		GWh	3.650	4.537

ACTIVITY AT HUELVA PLANT



Contract information (Average value)		Feb-17	Feb-18
Send-out	GWh/day	149	183
LNG Trucks	GWh/day	8	8
% average contract vs. nominal		40%	49%
% average contract use		63%	77%

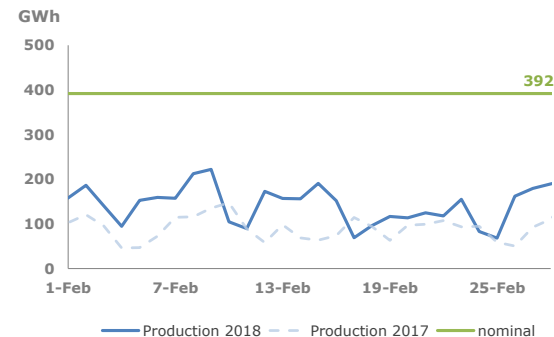
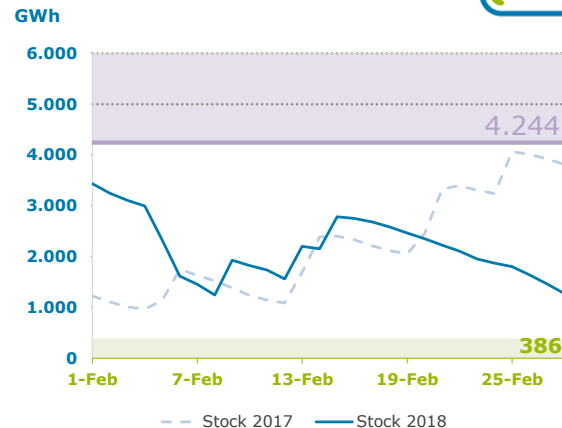
2017

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



2018

3 LNG Unloaded
(2.750 GWh)
1 LNG Loaded
(1.076 GWh)



Physical production			Feb-17	Feb-18
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	2.523	3.983

ACTIVITY AT CARTAGENA PLANT

Contract information (Average value)		Feb-17	Feb-18
Send-out	GWh/day	40	13
LNG Trucks	GWh/day	7	7
% average contract vs. nominal		12%	5%
% average contract use		71%	104%

2017

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

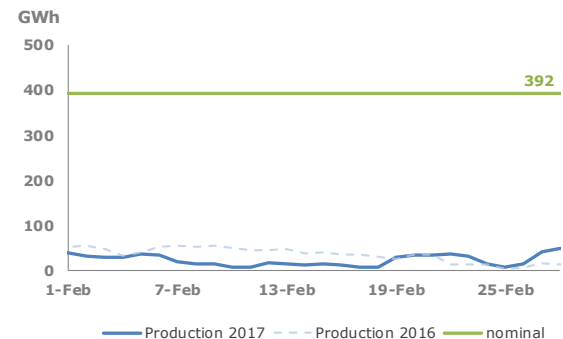
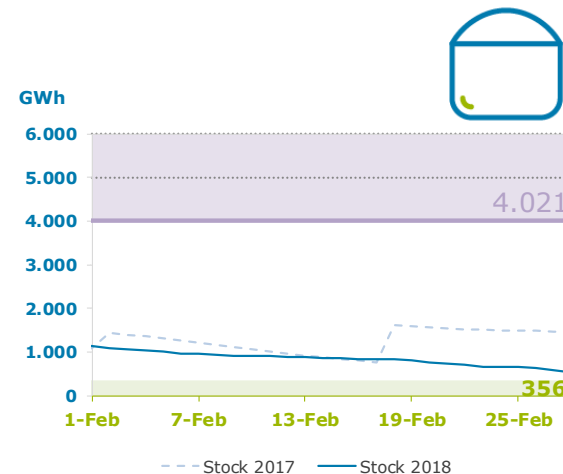


2018

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



Physical production			Feb-17	Feb-18
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	964	620



ACTIVITY AT BILBAO PLANT



Contract information (Average value)		Feb-17	Feb-18
Send-out	GWh/day	82	102
LNG Trucks	GWh/day	2	3
% average contract vs. nominal		37%	46%
% average contract use		52%	87%

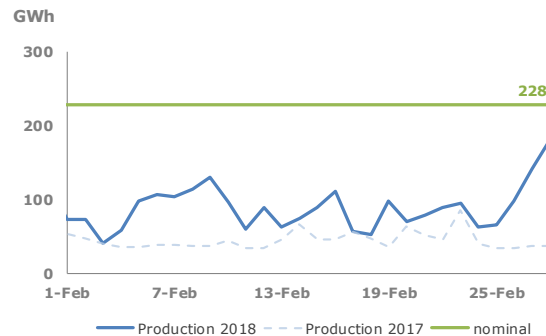
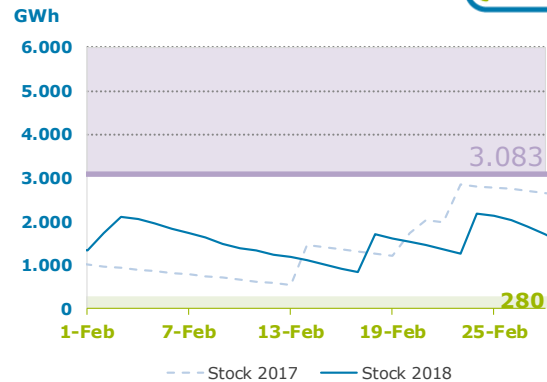
2017

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



2018

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



Physical production		Feb-17	Feb-18	
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	228
Monthly production		GWh	1.255	2.475

ACTIVITY AT SAGUNTO PLANT



Contract information (Average value)		Feb-17	Feb-18
Send-out	GWh/day	140	4
LNG Trucks	GWh/day	6	6
% average contract vs. nominal		51%	4%
% average contract use		78%	99%

2017

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

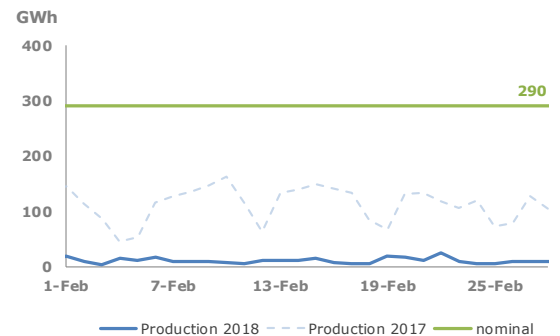
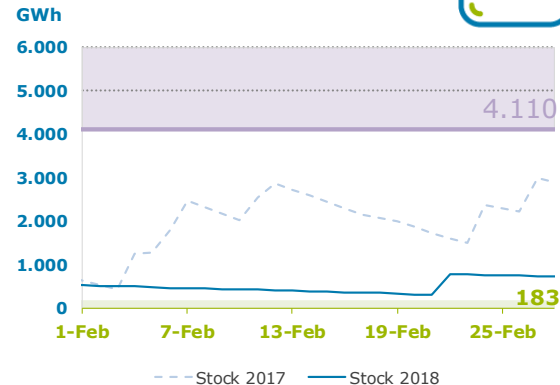


2018

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



Physical production		Feb-17	Feb-18	
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production		GWh	3.153	306



ACTIVITY AT MUGARDOS PLANT

Contract information (Average value)		Feb-17	Feb-18
Send-out	GWh/day	35	30
LNG Trucks	GWh/day	6	4
% average contract vs. nominal		32%	27%
% average contract use		36%	93%

2017

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

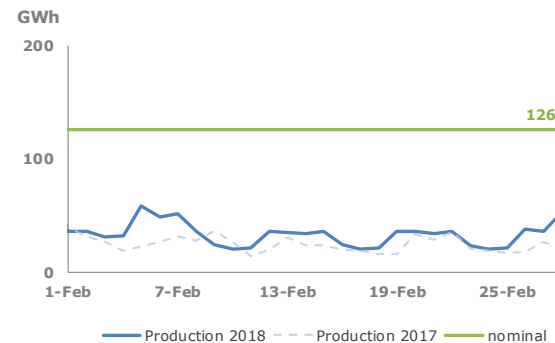
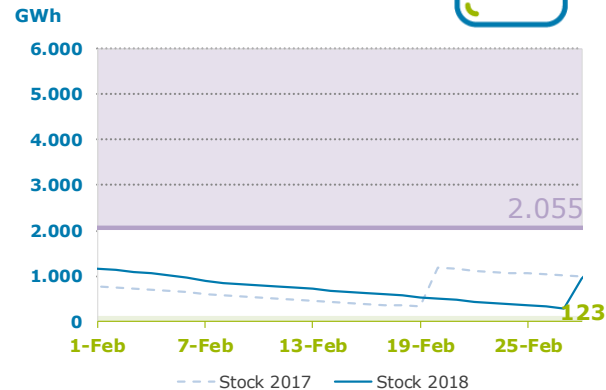


2018

1 LNG Unloaded
(704 GWh)
1 LNG Loaded
(15 GWh)



Physical production		Feb-17	Feb-18	
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production		GWh	702	935



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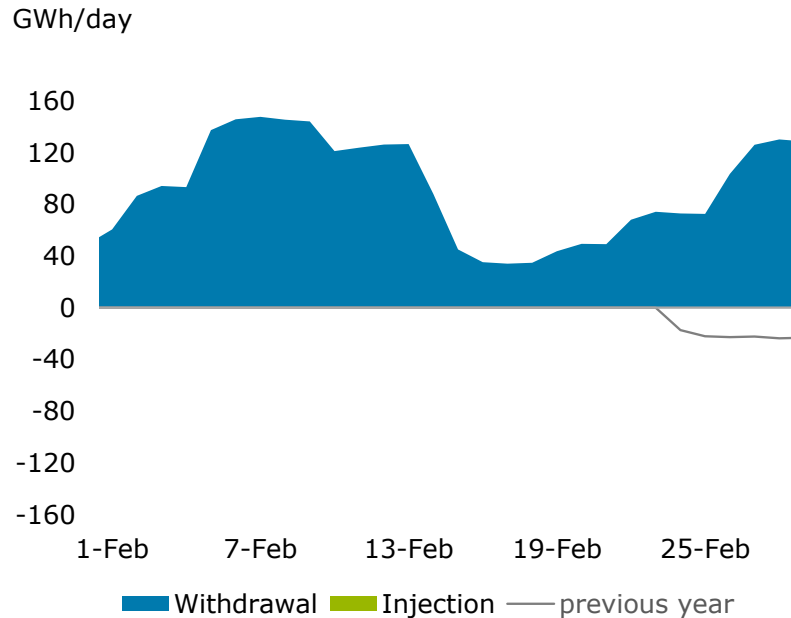
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UNDERGROUND STORAGE



Withdrawal season

Booked capacity
22.452 GWh



Withdrawal 2018
2.595 GWh

Withdrawal 2017
0 GWh

18.582
TWh

Useful physical stock
28th February

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OPERATING NOTES

3 Operating Notes were published during **February 2018**

- Operating Note 01: **Exceptional Operating Situation – Level Zero – Cold Snap** (02/02/2018)
- Operating Note 02: **Warning of Low Temperatures** (22/02/2018)
- Operating Note 03: **Reduction of the Winter Reserve Obligation 2017-2018** (27/02/2018)



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

