



Statistical bulletin

Technical Management of the System

January 2018

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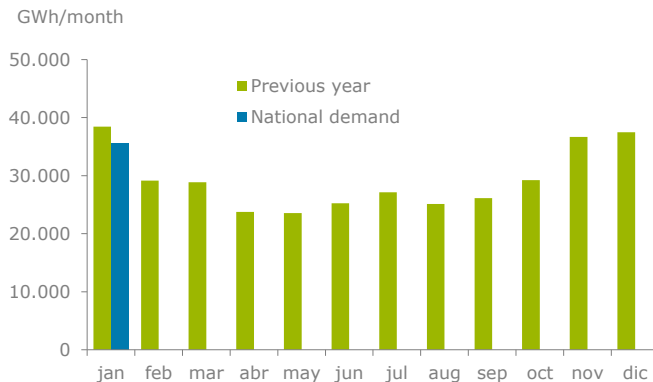
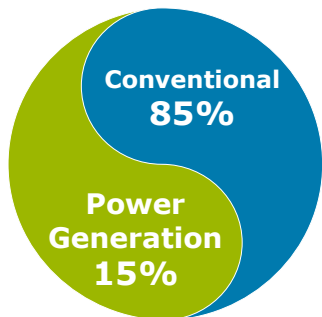
5. Underground storage

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NATURAL GAS DEMAND FOLLOW-UP

Unit : GWh	Month	% Δ Month	Year 2017	% Δ Year	MAT	% Δ 2016
	1 st to 31 st January		Year 2018		1 st February 2017 to 31 st January 2018	
<i>National Demand</i>	35.596	-7,5%	35.596	-7,5%	348.003	-0,8%
- Conventional demand	30.404	-4,8%	30.404	-4,8%	273.615	-0,6%
- NG for Power Generation	5.192	-20,5%	5.192	-20,5%	74.388	-1,8%
<i>International Demand</i>						
- International connections exports	2.361	42,3%	2.361	42,3%	31.447	2,3%
- LNG Vessel loading	1079		1.079		2.132	>100%
TOTAL	39.036	-2,8%	39.036	-2,8%	381.582	-0,3%

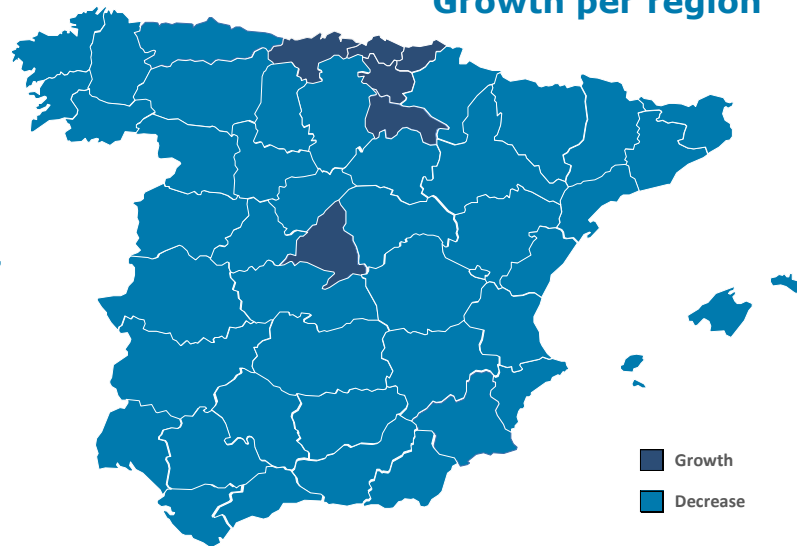
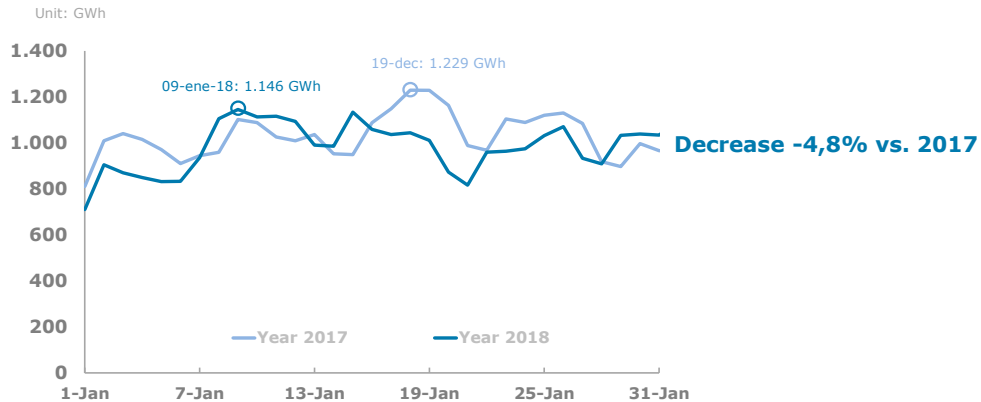
National demand
January - 2018



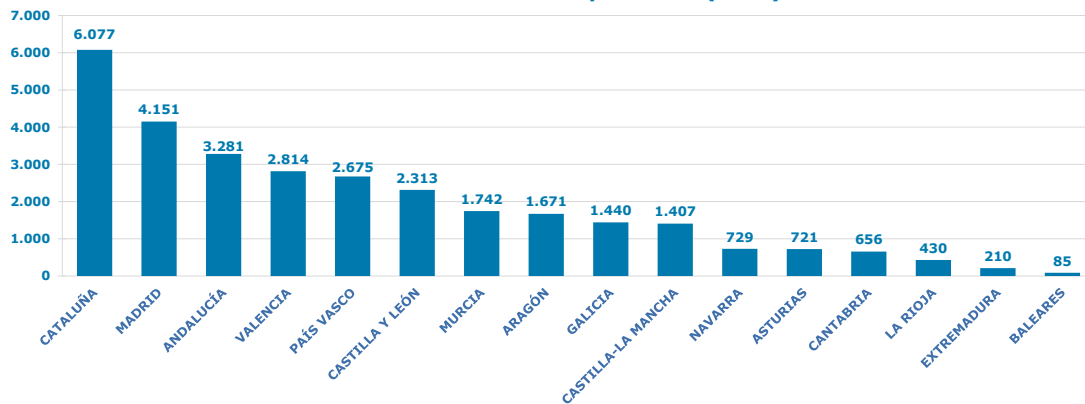
CONVENTIONAL DEMAND

Growth per region

Comparison 2017 - 2018



Conventional demand per CCAA (GWh)

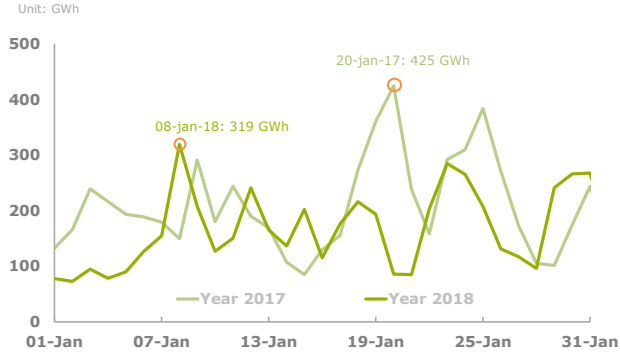


Industrial + DC

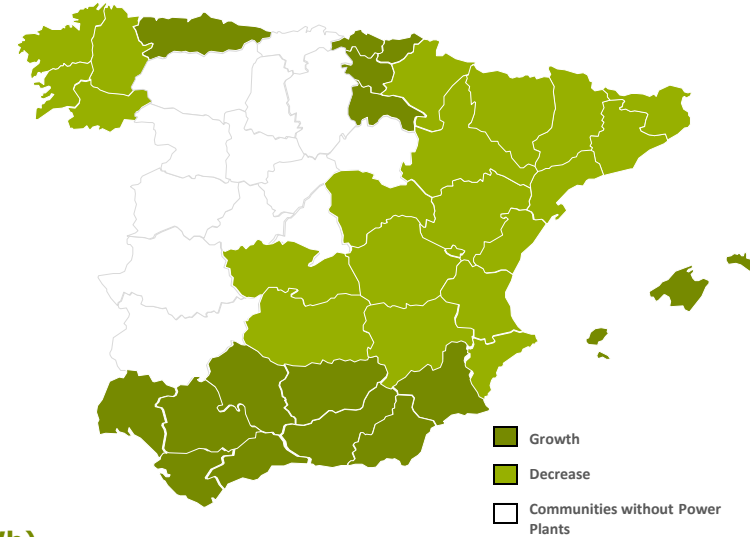
NATURAL GAS FOR POWER GENERATION

Growth per region

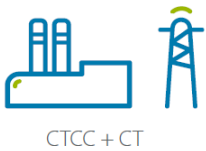
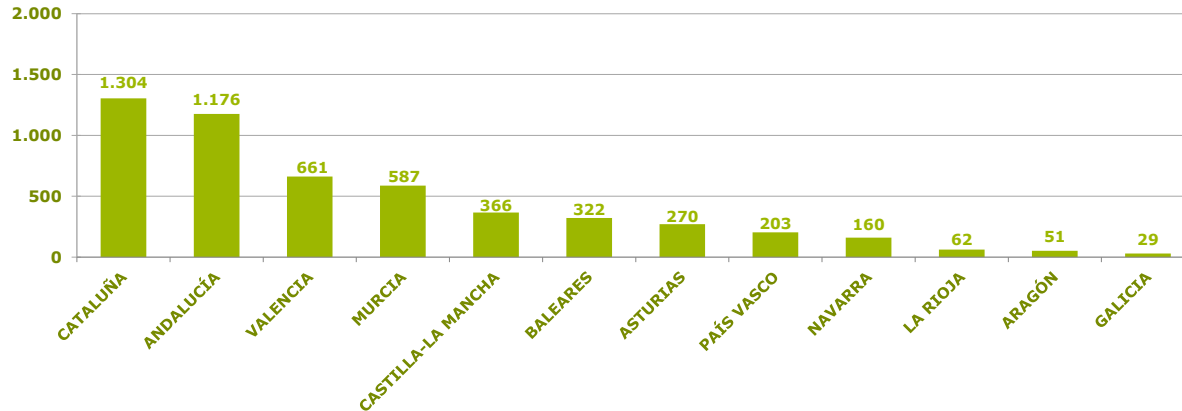
Comparison 2017 - 2018



Decrease -20,5% vs. 2017

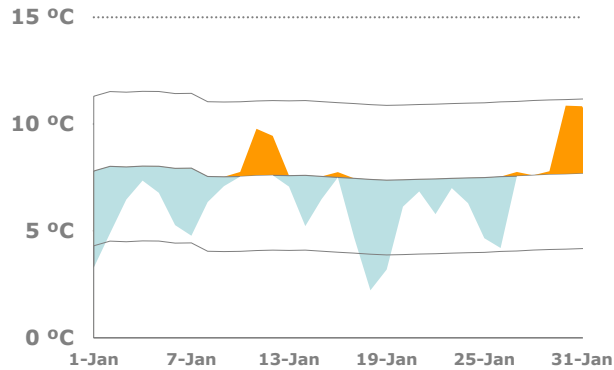


NG for Power Generation (GWh)



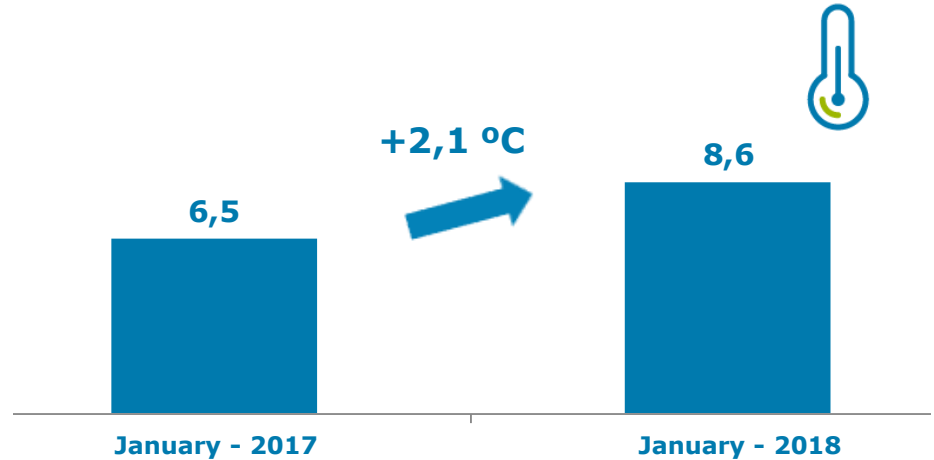
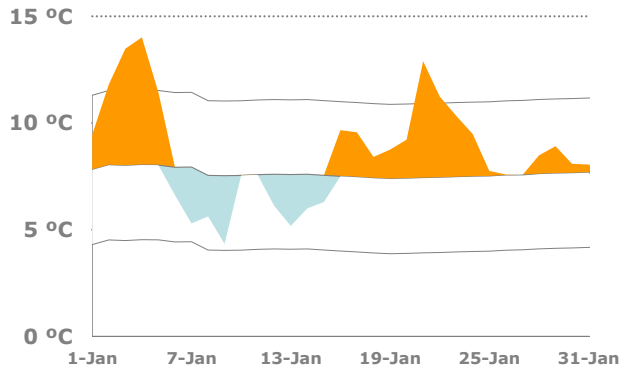
DEMAND - TEMPERATURES

Temperatures 2017



- Temperatures have been hotter during January 2018 in comparison with January 2017
- The average temperature has been **2,1°C** higher than the average of January 2017

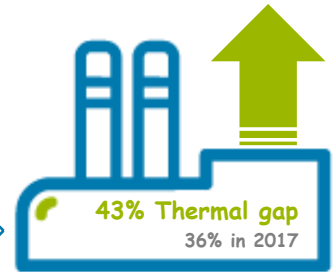
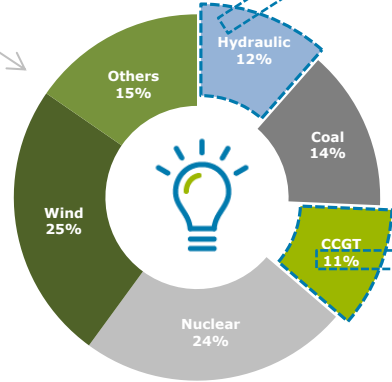
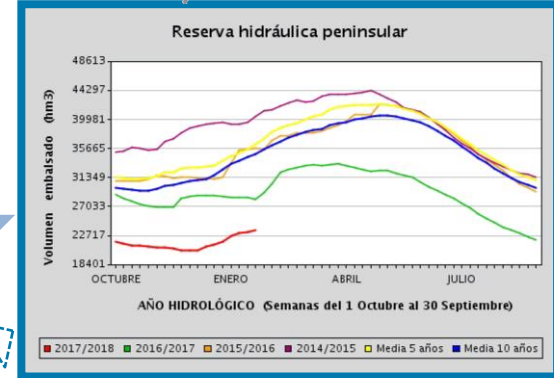
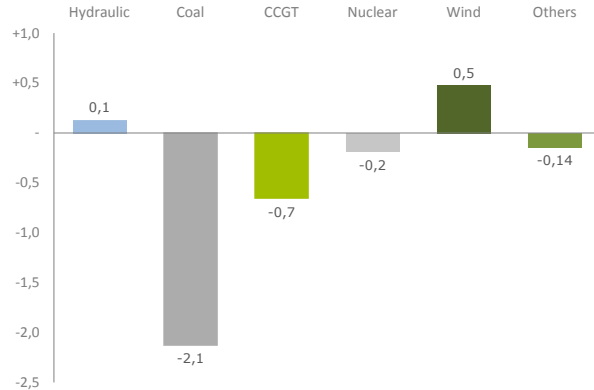
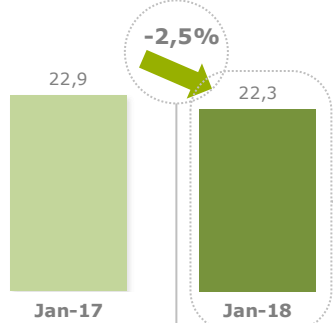
Temperatures 2018



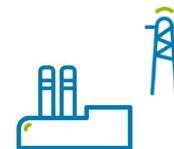
GAS FOR POWER GENERATION

TRANSMISSION DEMAND JANUARY-18 VS. JANUARY-17

Unit: TWh (e)



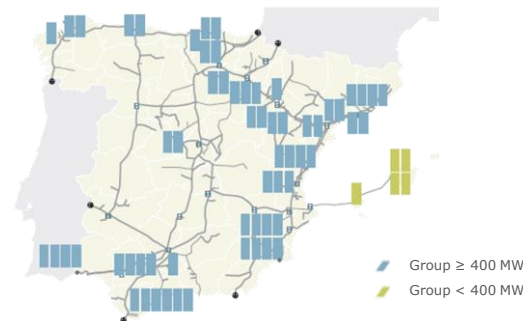
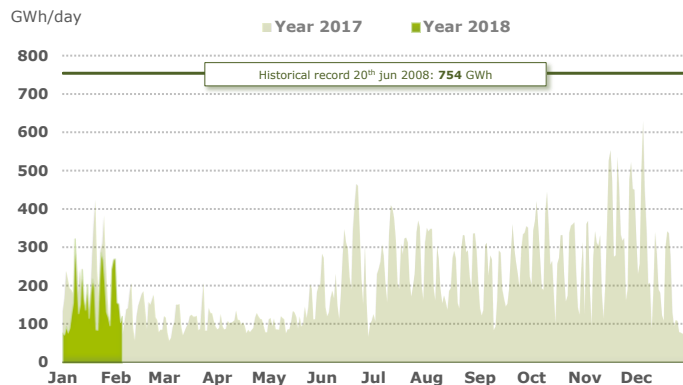
GAS FOR POWER GENERATION



Unit: GWh	Monthly record			Mobile Annual Total record		
	jan-2017	jan-2018	Δ s/jan-2017	Year 2017	MAT feb-2017/Jan-2018	Δ over/Year 2017
NG for Power Generation	6.535	5.192	-21%	75.728	74.386	-1,8%
- Thermal Power Plants	11	36	+243%	228	253	+11,2%
- CCGT´s	6.524	5.156	-21%	75.501	74.133	-1,8%
Maximum daily consumption	425	319	-25%	630	630	-
	20-Jan-17	08-Jan-18		05-Dec-17	05-Dec-17	
Minimum daily consumption	85	73	-14%	56	56	-
	15-Jan-17	02-Jan-18		04-Mar-17	04-Mar-17	
% Generation mix	12%	11%	-1,6 ptos	14%	14%	-0,2 ptos
% Thermal Gap *	36%	43%	+6,6 ptos	44%	45%	+0,8 ptos

TPPCC´s

* Thermal gap=CCGT´s+Coal



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ORIGIN OF SUPPLIES



Unit: GWh		Monthly record		Mobile Annual Total record		
		Jan-17	Jan-18	Year 2017	MAT Feb-17/Jan-18	%
Algeria	NG	16.812	18.205	161.243	162.635	} 49%
	LNG	505	3.642	26.767	29.903	
Nigeria	LNG	4.789	6.793	48.592	50.595	13%
Qatar	LNG	1.788	1.776	38.977	38.965	10%
T&T	LNG	844	887	6.117	6.160	2%
Peru	LNG	3.683	1.700	39.441	37.458	10%
France	NG	4.585	3.824	44.084	43.322	11%
Angola	LNG	-	-	3.111	3.111	0,8%
United States	LNG	1.933	-	8.543	6.609	2%
Norway	LNG	531	-	10.070	9.539	2%
Egypt	LNG	-	-	1.127	1.127	0,3%
National	NG	50	19	419	388	0,1%
Portugal	NG	-	-	15	15	0,00%
Netherlands	LNG	377	-	1.198	820	0,2%
Russia	LNG	-	1.030	-	1.030	0,26%
TOTAL		35.899	37.875	389.703	391.679	100%

National NG includes the withdrawal from national fields and biogas

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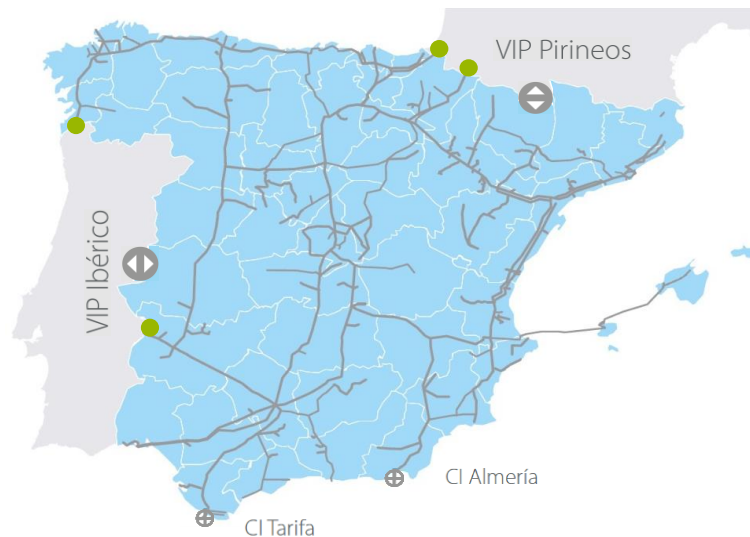
6. Operating notes

INTERCONNECTION POINTS

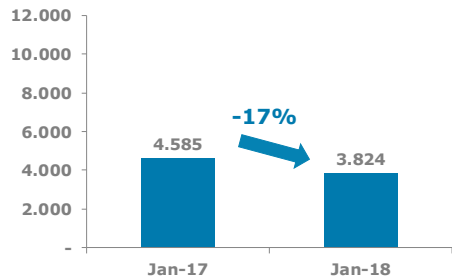


Imports

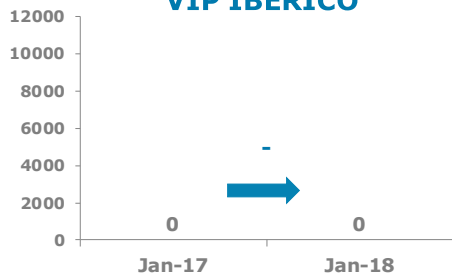
Unit: GWh



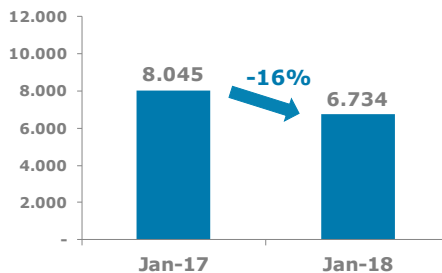
VIP PIRINEOS



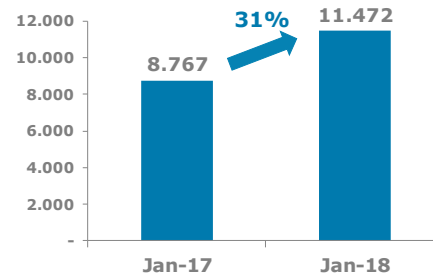
VIP IBÉRICO



ALMERÍA



TARIFA



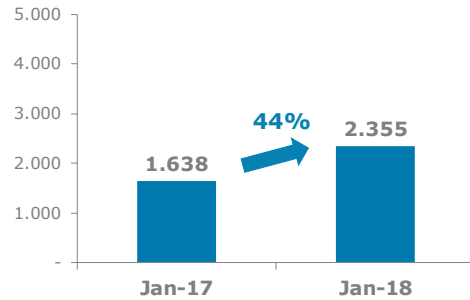
INTERCONNECTION POINTS



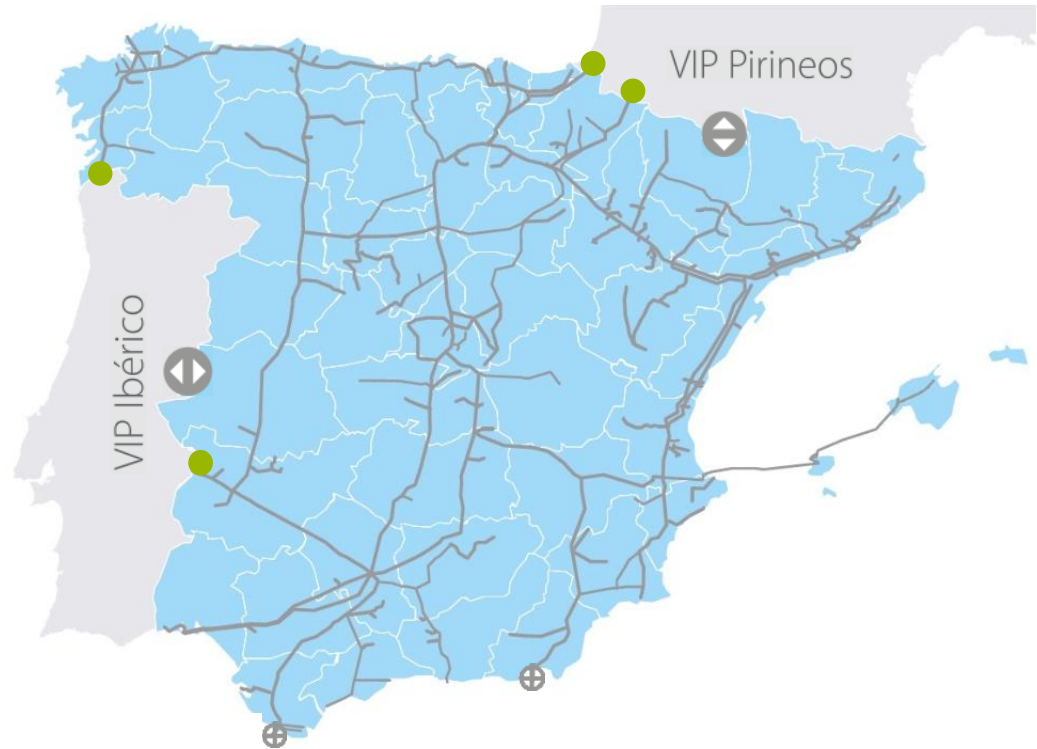
Exports

Unit: GWh

VIP IBÉRICO



VIP PIRINEOS



INTERCONNECTION POINTS



Balance

Unit: GWh	Monthly record			Mobile Annual Total record		
	Jan-17	Jan-18	Δ s/Jan-17	Year 2017	MAT Feb-17/Jan-18	Δ s/MAT
Tarifa GME	8.767	11.472	31%	86.497	89.202	3,1%
Almería MEDGAZ	8.045	6.734	-16%	74.746	73.434	-1,8%
VIP PIRINEOS	4.564	3.818	-16%	43.192	42.446	-1,7%
VIP IBÉRICO	-1.638	-2.355	44%	-29.839	-30.556	2,4%
National Gas	50	19	-62%	419	388	-7,4%
TOTAL	19.789	19.687	-1%	175.015	174.913	-0,1%

(+) Entry flows; (-) Exit flows

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ACTIVITY AT BARCELONA PLANT



Contract information (Average value)		Jan-17	Jan-18
Send-out	GWh/day	126	182
LNG Trucks	GWh/day	11	8
% average contract vs. nominal		24%	34%
% average contract use		65%	92%

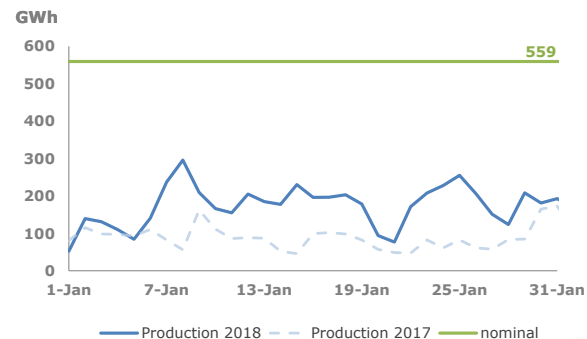
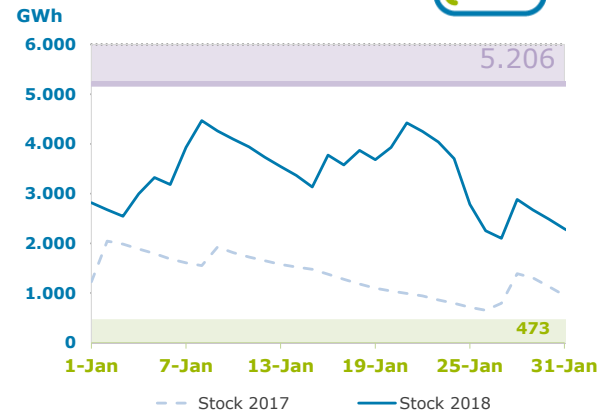
2017

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



2018

7 LNG Unloaded
(5.891 GWh)
1 LNG Loaded
(1.079 GWh)



Physical production		Jan-17	Jan-18	
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production		GWh	2.703	5.387

ACTIVITY AT HUELVA PLANT



Contract information (Average value)		Jan-17	Jan-18
Send-out	GWh/day	168	192
LNG Trucks	GWh/day	8	8
% average contract vs. nominal		45%	51%
% average contract use		83%	70%

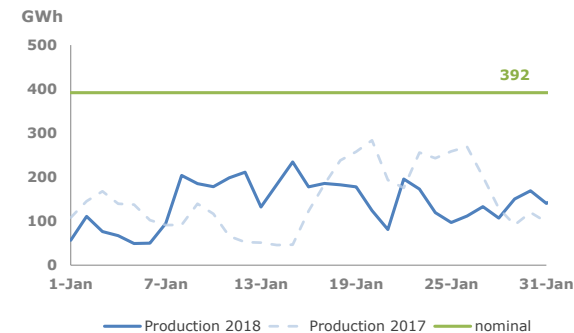
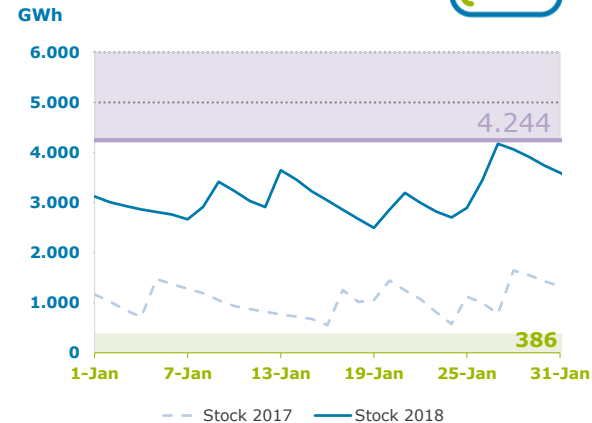
2017

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



2018

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



Physical production		Jan-17	Jan-18	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	4.619	4.356

ACTIVITY AT CARTAGENA PLANT

Contract information (Average value)		Jan-17	Jan-18
Send-out	GWh/day	49	33
LNG Trucks	GWh/day	7	7
% average contract vs. nominal		14%	10%
% average contract use		94%	78%

2017

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

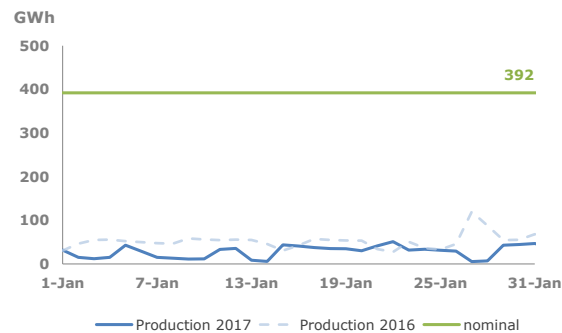
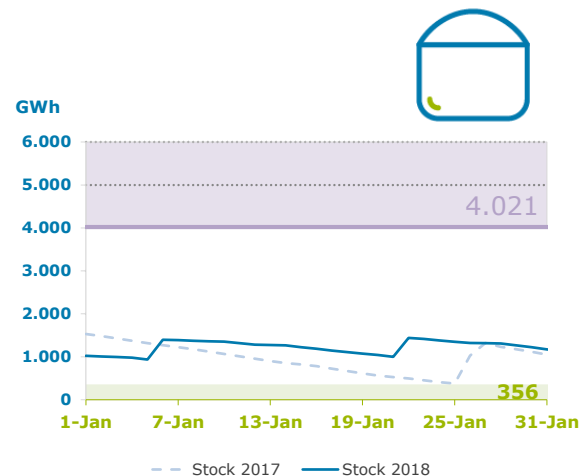


2018

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



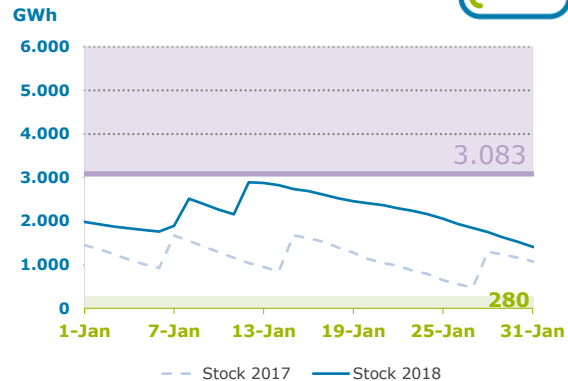
Physical production		Jan-17	Jan-18	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	1.614	869



ACTIVITY AT BILBAO PLANT



Contract information (Average value)		Jan-17	Jan-18
Send-out	GWh/day	116	97
LNG Trucks	GWh/day	2	3
% average contract vs. nominal		52%	44%
% average contract use		86%	74%



2017

2018

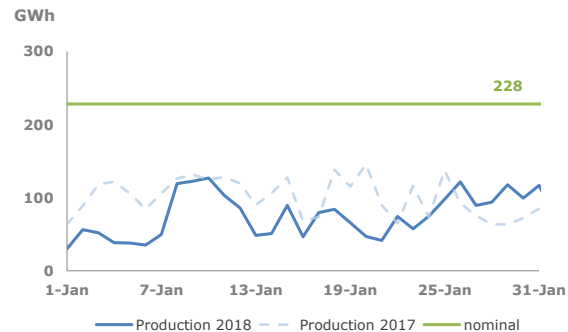
3 LNG Unloaded
(2.673 GWh)
0 LNG Loaded
(0 GWh)



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



Physical production		Jan-17	Jan-18	
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	228
Monthly production		GWh	3.116	2.353



ACTIVITY AT SAGUNTO PLANT



Contract information (Average value)		Jan-17	Jan-18
Send-out	GWh/day	119	0
LNG Trucks	GWh/day	6	6
% average contract vs. nominal		43%	2%
% average contract use		86%	99%

2017

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

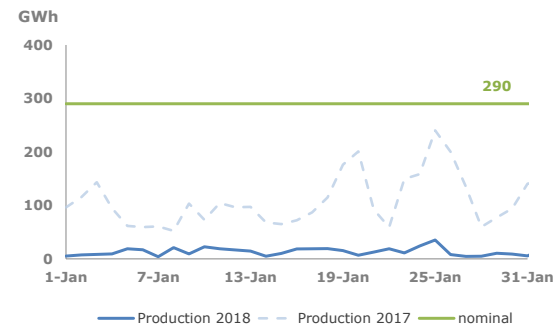
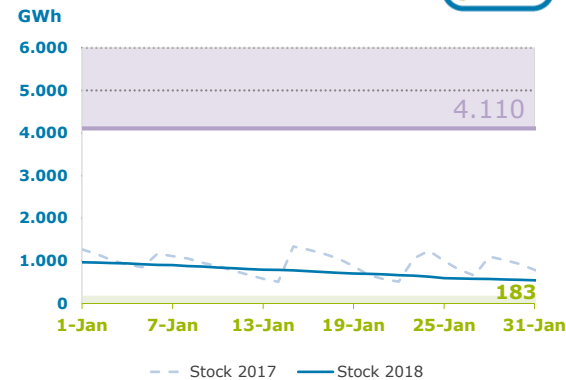


2018

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



Physical production		Jan-17	Jan-18	
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production		GWh	3.355	421



ACTIVITY AT MUGARDOS PLANT



Contract information (Average value)		Jan-17	Jan-18
Send-out	GWh/day	49	83
LNG Trucks	GWh/day	6	4
% average contract vs. nominal		43%	69%
% average contract use		91%	69%

2017

2018

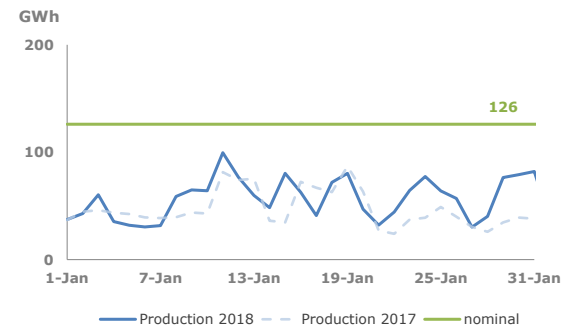
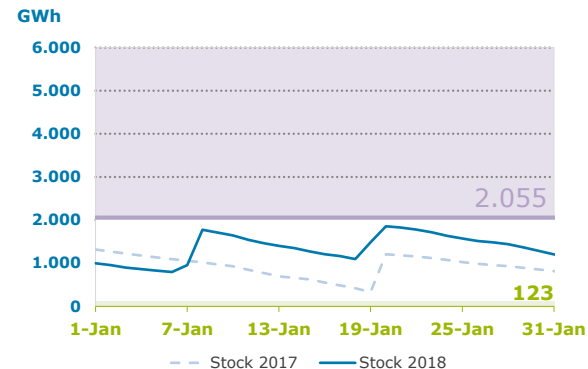
1 LNG Unloaded
(931 GWh)
0 LNG Loaded
(0 GWh)



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



Physical production		Jan-17	Jan-18	
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production		GWh	1.464	1.773



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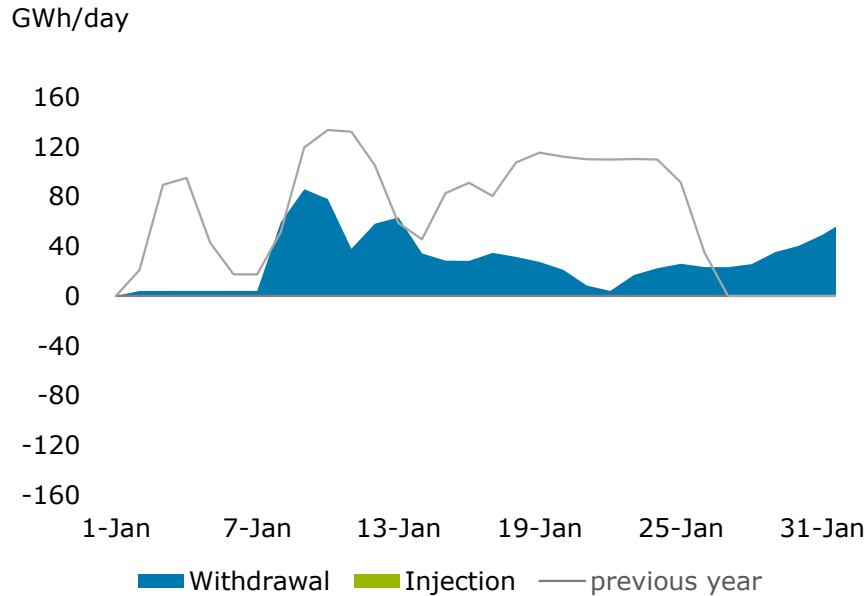
6. Operating notes

UNDERGROUND STORAGE



Withdrawal season

Booked capacity
22.514 GWh



Withdrawal 2018
892 GWh

Withdrawal 2017
2093 GWh

21.177
TWh

Usefull physical stock
31st January

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OPERATING NOTES

No **Operating Notes** were published during **January 2018**



The Operating notes can be checked at the [Enagás Website](http://www.enagas.com)

