



Statistical bulletin

Technical Management of the System

August 2018

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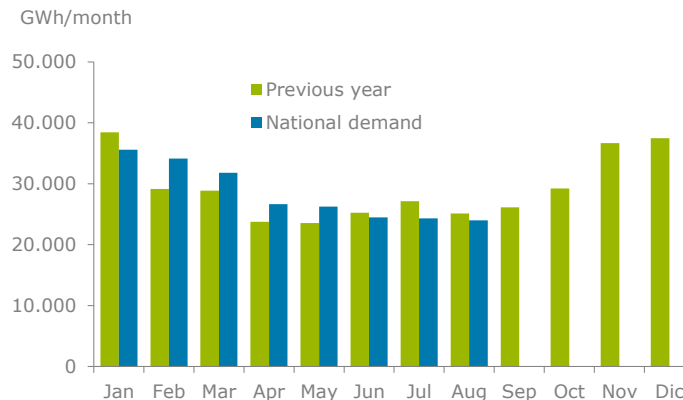
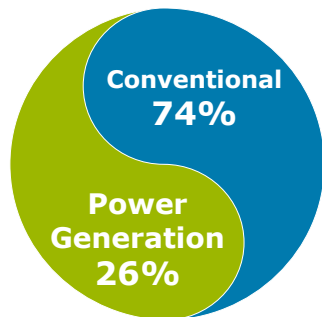
6. Operating notes

NATURAL GAS DEMAND FOLLOW-UP

Unit : GWh

	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2017
	1 st to 31 st August		Year 2018		1 st September 2017 to 31 st August 2018	
<i>National Demand</i>	24.029	-4,2%	227.151	2,7%	356.729	1,7%
- Conventional demand	17.795	2,8%	189.620	6,5%	286.723	4,2%
- NG for Power Generation	6.235	-19,9%	37.531	-13,2%	70.007	-7,6%
<i>International Demand</i>						
- International connections exports	3.924	90,7%	23.999	14,8%	33.844	10,1%
- LNG Vessel loading			4.961	>100%	6.011	>100%
TOTAL	27.954	3,0%	256.111	5,8%	396.584	3,6%

National demand
August - 2018

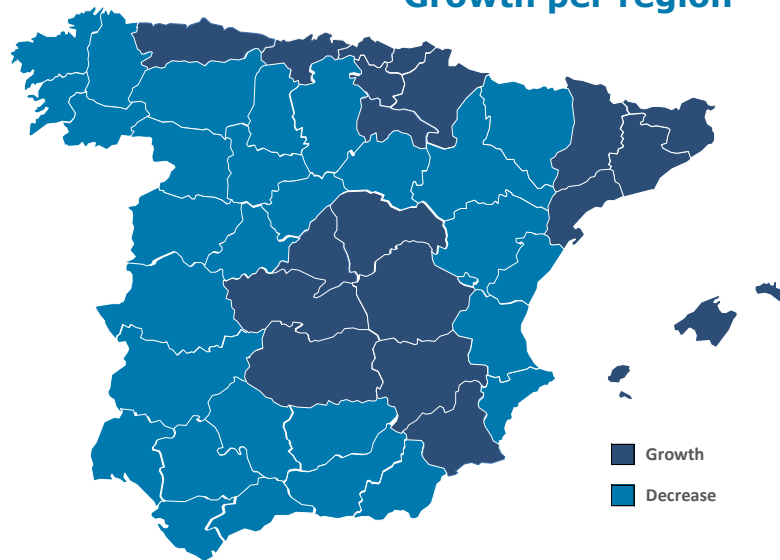
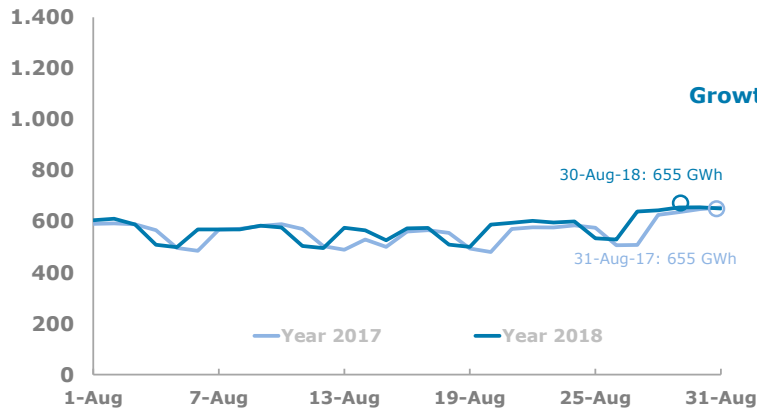


CONVENTIONAL DEMAND

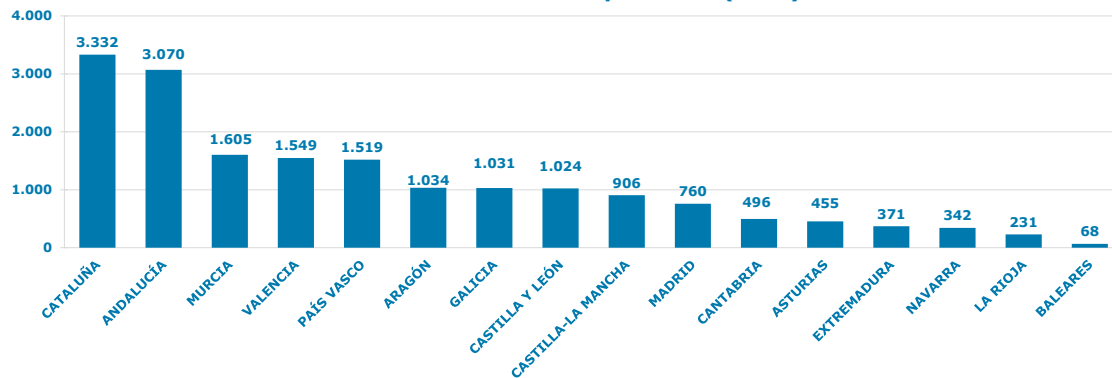
Growth per region

Comparison 2017 - 2018

Unit: GWh



Conventional demand per CCAA (GWh)

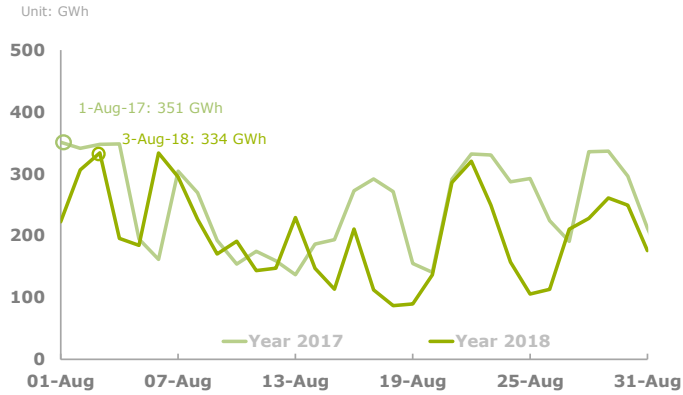


Industrial + DC

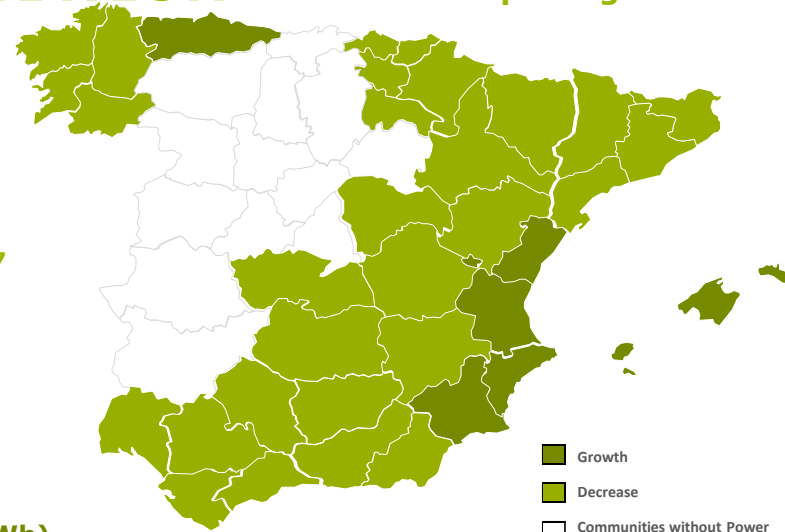
NATURAL GAS FOR POWER GENERATION

Growth per region

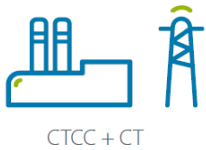
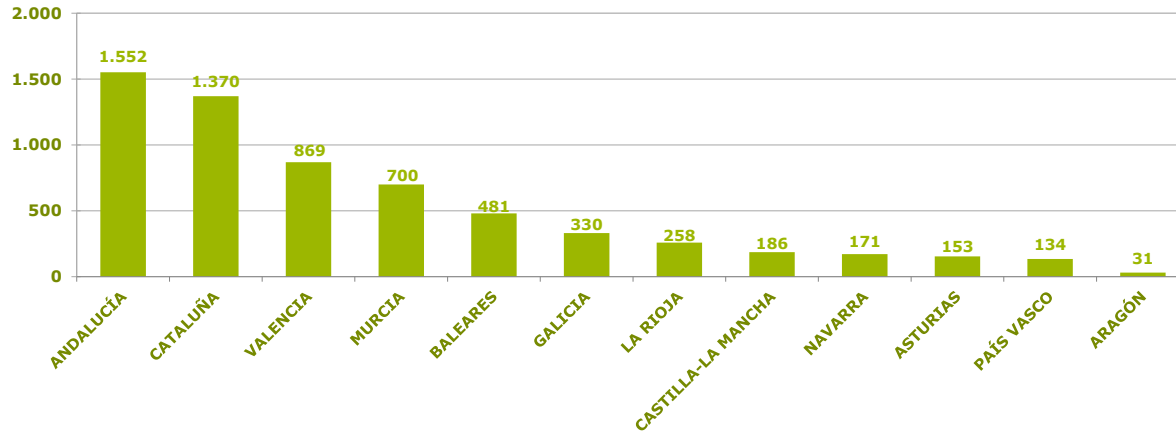
Comparison 2017 - 2018



Decrease -19,9% vs. 2017

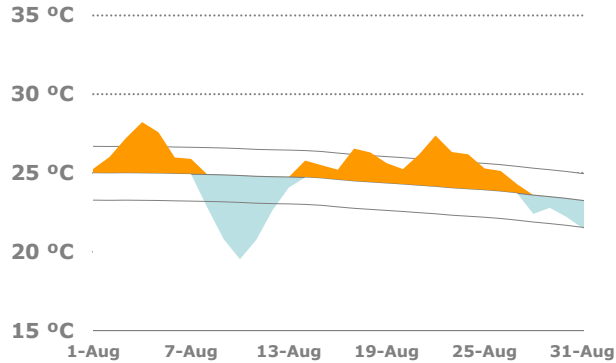


NG for Power Generation (GWh)

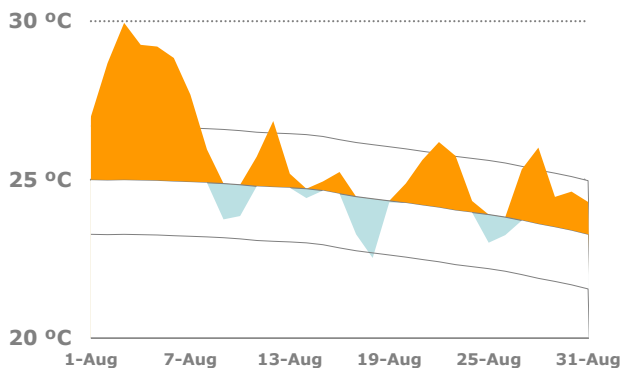


DEMAND - TEMPERATURES

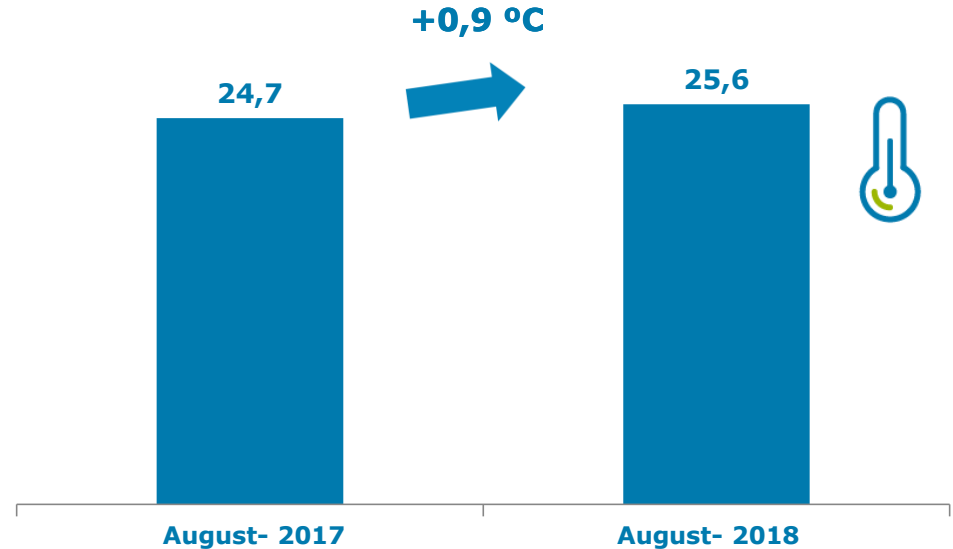
Temperatures 2017



Temperatures 2018



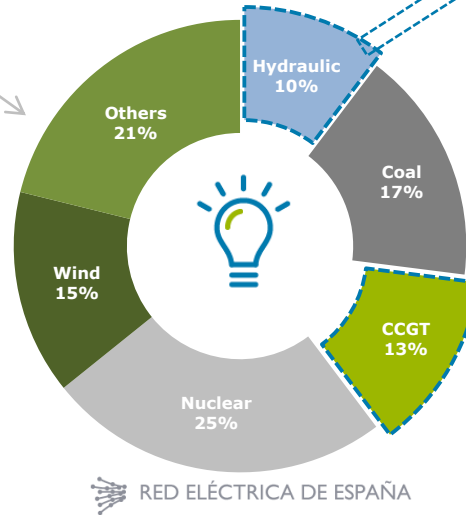
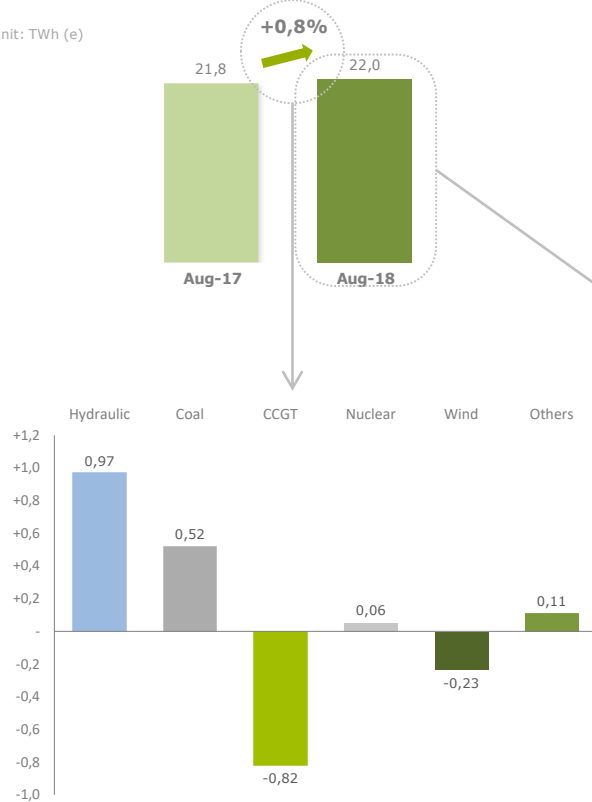
- Temperatures have been higher during August 2018 in comparison with August 2017.
- The average temperature has been **0,9°C** higher than the average of August 2017



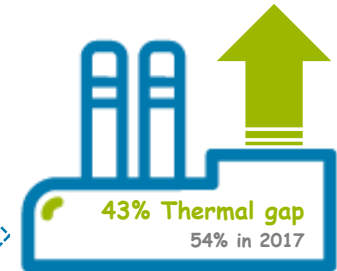
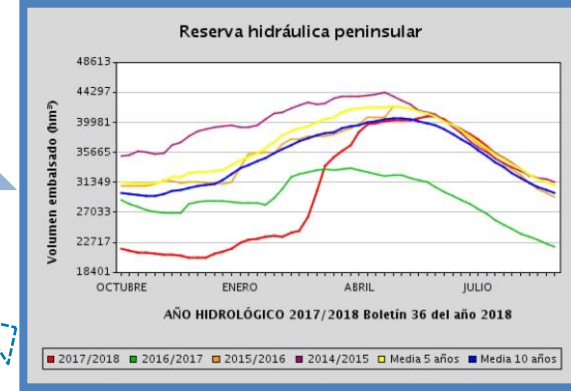
GAS FOR POWER GENERATION

TRANSMISSION DEMAND AUGUST-18 VS. AUGUST-17

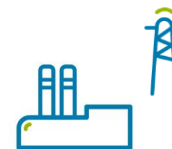
Unit: TWh (e)



RED ELÉCTRICA DE ESPAÑA



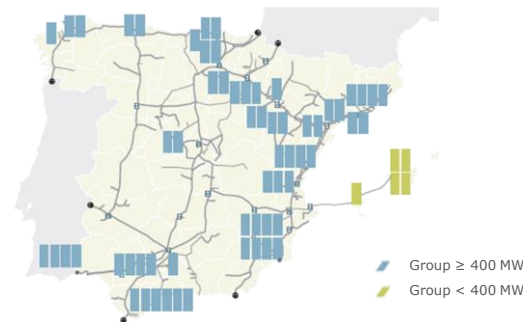
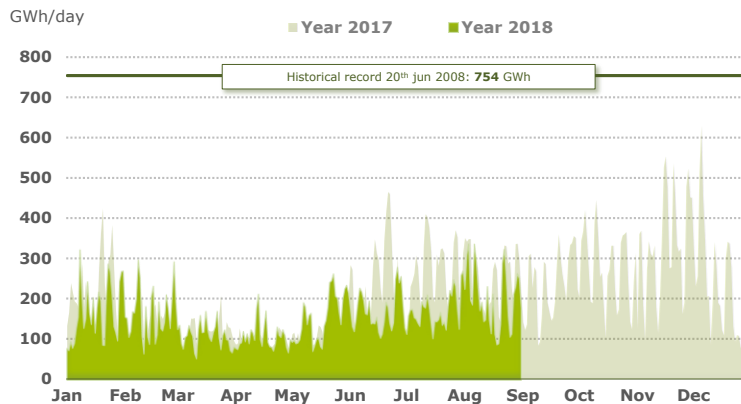
GAS FOR POWER GENERATION



	Monthly record			Mobile Annual Total record		
	Aug-17	Aug-18	Δ s/Aug-18	Year 2018	MAT Sep-2017/Aug-2018	Δ over/Year 2017
Unit: GWh						
NG for Power Generation	7.787	6.235	-19,9%	37.531	70.007	-7,6%
- Thermal Power Plants	28	19	-31%	145	223	-2,0%
- CCGT´s	7.759	6.215	-20%	37.386	69.784	-7,6%
Maximum daily consumption	351	334	-5%	334	630	+89%
	01-Aug-17	03-Aug-18		03-Aug-18	05-Dec-17	
Minimum daily consumption	137	87	-37%	52	52	-
	13-Aug-17	18-Aug-18		11-Mar-18	11-Mar-18	
% Generation mix	17%	13%	-4,4 points	10%	12%	-1,6 points
% Thermal Gap *	54%	43%	-10,7 points	43%	46%	+1,3 points

TPPCC´s

* Thermal gap=CCGT´s+Coal



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ORIGIN OF SUPPLIES



		Monthly record		Mobile Annual Total record		
Unit: GWh		Aug-17	Aug-18	Year 2018	MAT Sep-17/Aug-18	%
Algeria	NG	8.000	13.797	128.917	189.701	54%
	LNG	495	991	26.767	25.271	
Nigeria	LNG	2.874	1.828	48.592	39.408	10%
Qatar	LNG	9.055	3.182	38.977	36.715	9%
T&T	LNG	958	2.560	6.117	19.163	5%
Peru	LNG	2.803	1.776	39.441	27.244	7%
France	NG	4.427	2.284	22.155	36.607	9%
	LNG	-	-	-	487	
Angola	LNG	-	-	3.111	2.084	0,5%
United States	LNG	1.106	950	8.543	5.021	1%
Norway	LNG	1.865	1.872	10.070	8.525	2%
Egypt	LNG	-	-	1.127	-	0,0%
Bélgica	GNL	-	896	-	896	0%
National	NG	39	129	567	653	0,2%
Portugal	NG	-	-	46	46	0%
Netherlands	LNG	-	-	1.198	-	0,0%
Russia	LNG	-	-	-	4.354	1%
TOTAL		31.622	30.265	335.628	396.174	100%

National NG includes the withdrawal from national fields and biogas

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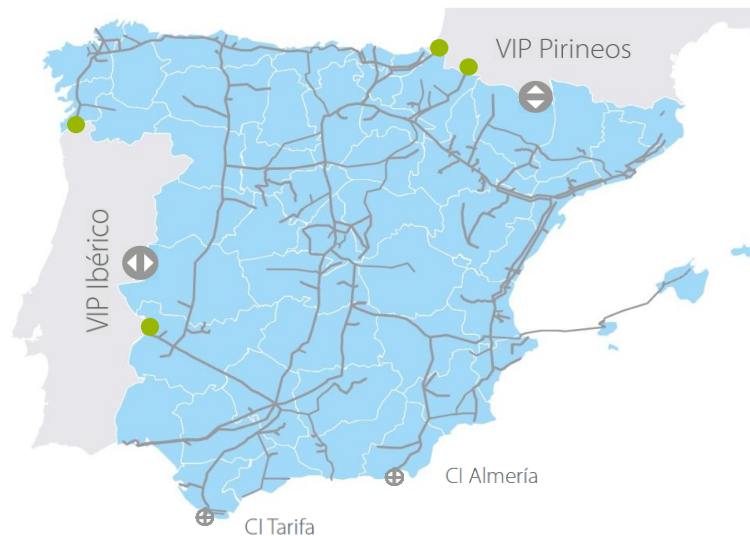
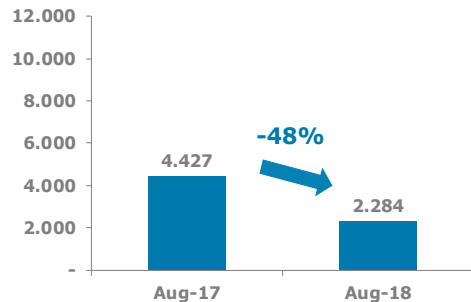
INTERCONNECTION POINTS



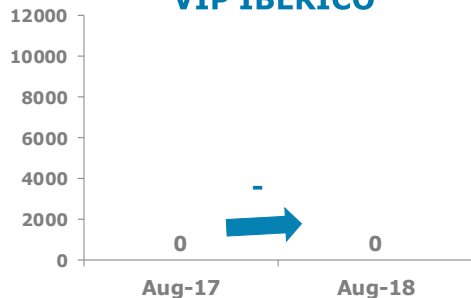
Imports

Unit: GWh

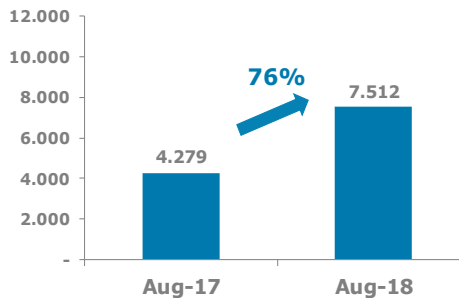
VIP PIRINEOS



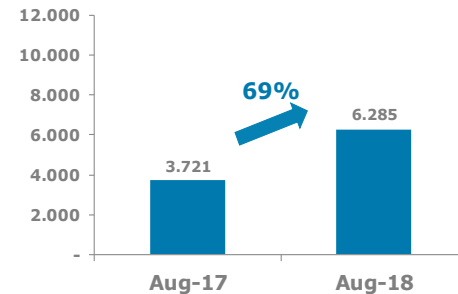
VIP IBÉRICO



ALMERÍA



TARIFA



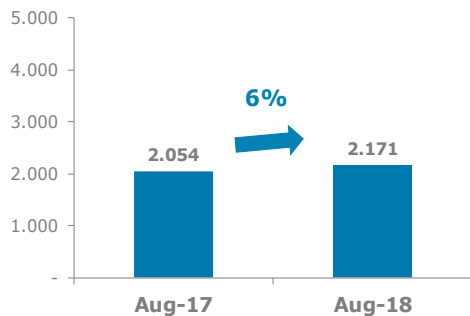
INTERCONNECTION POINTS



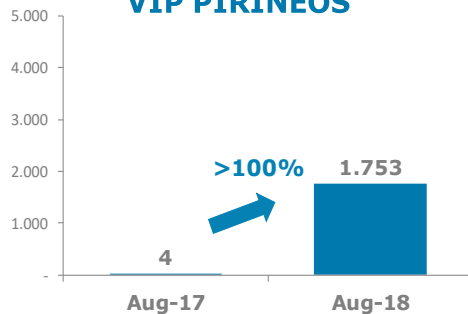
Exports

Unit: GWh

VIP IBÉRICO



VIP PIRINEOS



INTERCONNECTION POINTS

Balance



Unit: GWh	Monthly record			Mobile Annual Total record		
	Aug-17	Aug-18	Δ s/Aug-17	Year 2018	MAT Sep- 17/Aug-18	Δ s/MAT
Tarifa GME	3.721	6.285	69%	77.749	113.181	30,8%
Almería MEDGAZ	4.279	7.512	76%	51.168	76.521	2,4%
VIP PIRINEOS	4.422	531	-88%	15.084	29.386	-32,0%
VIP IBÉRICO	-2.054	-2.171	6%	-16.882	-26.577	-10,9%
National Gas	39	129	234%	567	653	55,8%
TOTAL	10.408	12.287	18%	127.686	193.163	10,4%

(+) Entry flows; (-) Exit flows

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ACTIVITY AT BARCELONA PLANT



Contract information (Average value)		Aug-17	Aug-18
Send-out	GWh/day	200	185
LNG Trucks	GWh/day	10	9
% average contract vs. nominal		38%	35%
% average contract use		85%	80%

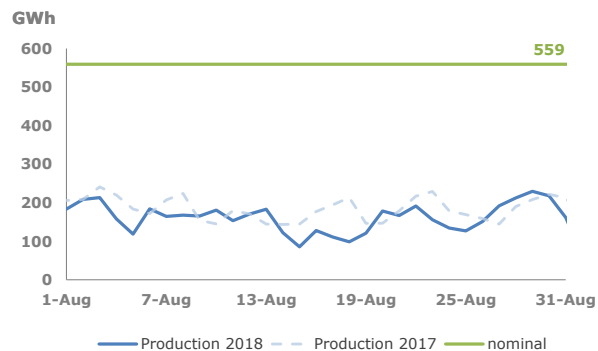
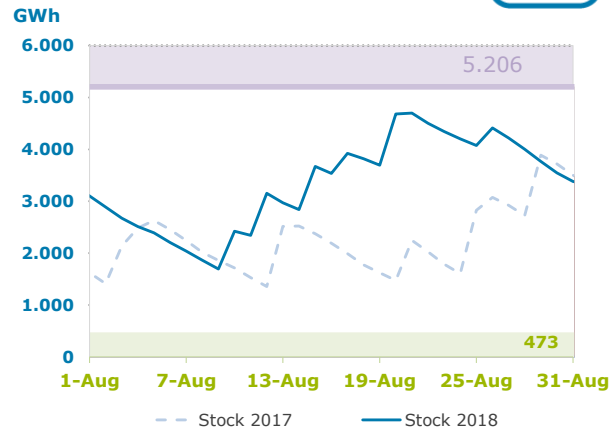
2017

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



2018

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



Physical production		Aug-17	Aug-18	
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production		GWh	5.733	5.040

ACTIVITY AT HUELVA PLANT



Contract information (Average value)		Aug-17	Aug-18
Send-out	GWh/day	143	159
LNG Trucks	GWh/day	14	7
% average contract vs. nominal		40%	43%
% average contract use		81%	69%

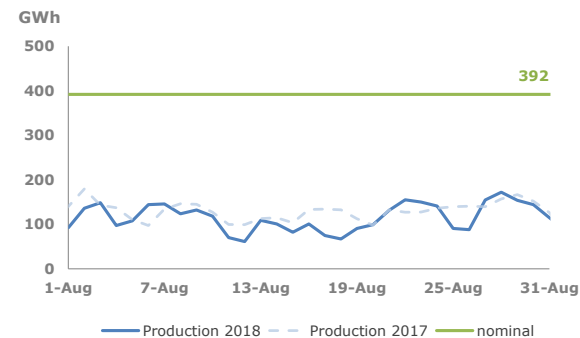
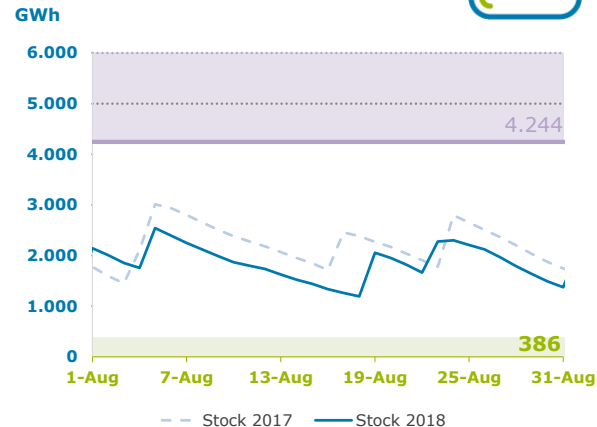
2017

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



2018

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



Physical production		Aug-17	Aug-18	
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	4.051	3.596

ACTIVITY AT CARTAGENA PLANT

Contract information (Average value)		Aug-17	Aug-18
Send-out	GWh/day	37	10
LNG Trucks	GWh/day	5	7
% average contract vs. nominal		11%	4%
% average contract use		83%	77%

2017

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

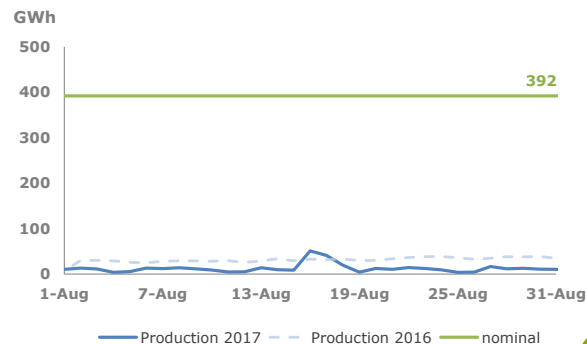
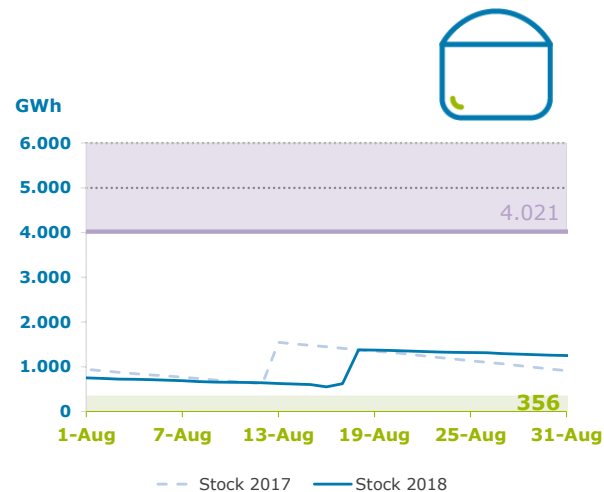


2018

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



Physical production			Aug-17	Aug-18
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	974	396



ACTIVITY AT BILBAO PLANT

Contract information (Average value)		Aug-17	Aug-18
Send-out	GWh/day	91	103
LNG Trucks	GWh/day	2	2
% average contract vs. nominal		41%	46%
% average contract use		79%	83%

2017

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

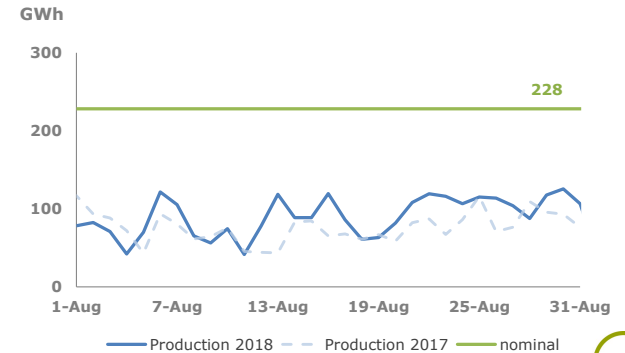
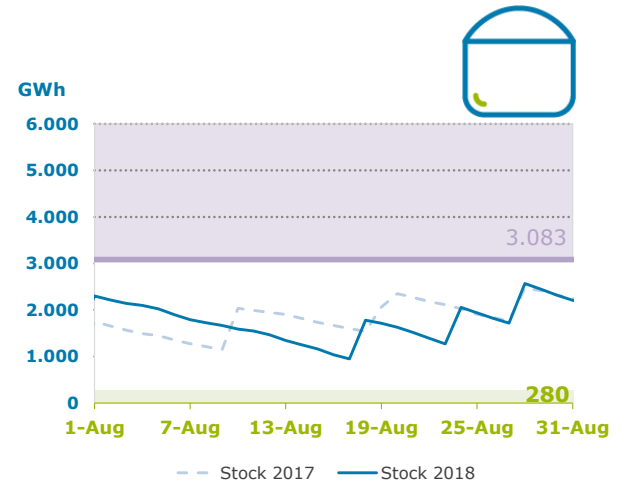


2018

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



Physical production			Aug-17	Aug-18
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	228
Monthly production		GWh	2.369	2.813



ACTIVITY AT SAGUNTO PLANT

Contract information (Average value)		Aug-17	Aug-18
Send-out	GWh/day	65	0
LNG Trucks	GWh/day	6	3
% average contract vs. nominal		25%	1%
% average contract use		82%	52%

2017

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

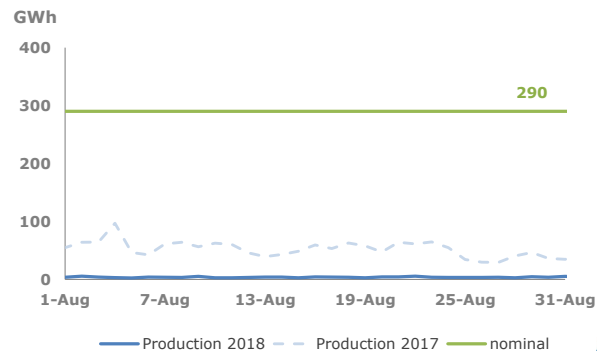
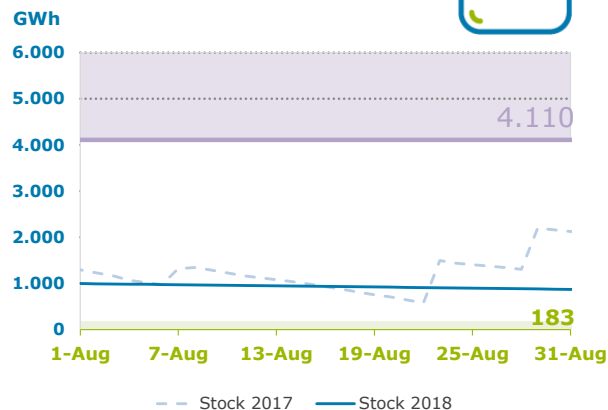


2018

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



Physical production		Aug-17	Aug-18	
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production		GWh	1.629	123



ACTIVITY AT MUGARDOS PLANT

Contract information (Average value)		Aug-17	Aug-18
Send-out	GWh/day	20	23
LNG Trucks	GWh/day	4	3
% average contract vs. nominal		19%	21%
% average contract use		80%	79%

2017

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

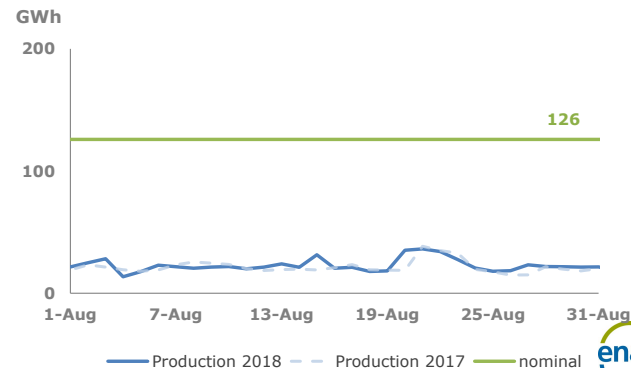
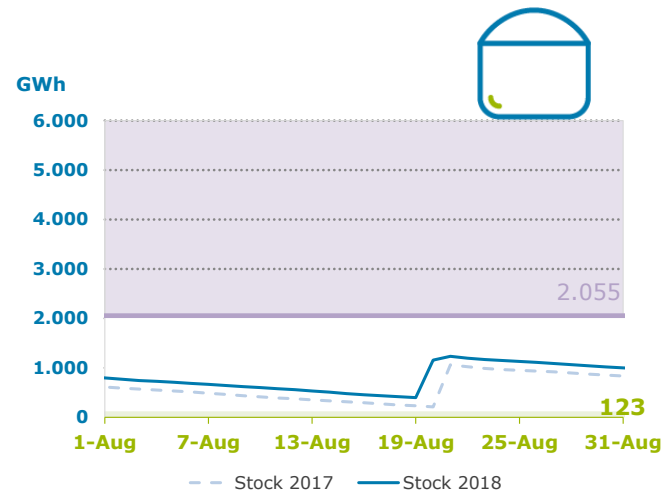


2018

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



Physical production		Aug-17	Aug-18	
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production		GWh	676	710



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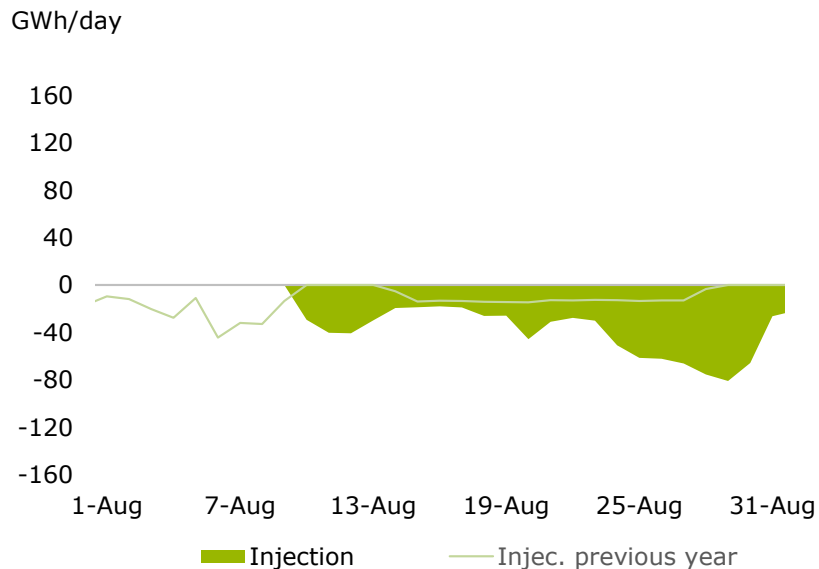
6. Operating notes

UNDERGROUND STORAGE



Injection season

Booked capacity
21.688 GWh



Injection 2018
896 GWh

Injection 2017
581 GWh

21.688
TWh

Stock
31st August

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OPERATING NOTES

No Operating Notes were published during August 2018



