

Statistical bulletin

Technical Management of the System

March 2019

PREVIEW



Content

A yellow sign with the ENAGAS logo and text is visible in the upper right corner of the slide. The sign is partially cut off but clearly shows the company name and some smaller text below it.

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

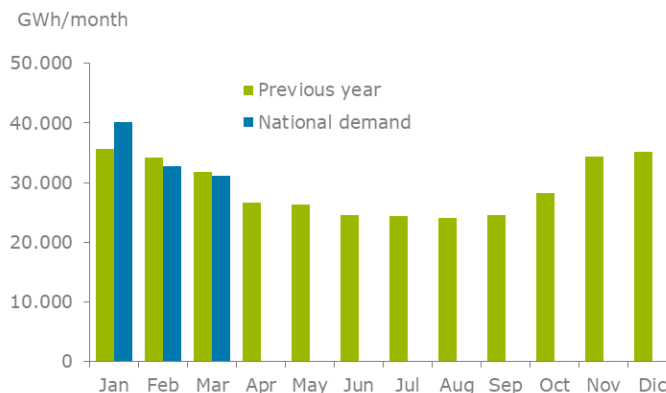
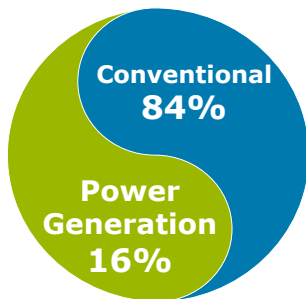
6. Operating notes

Natural Gas demand follow-up

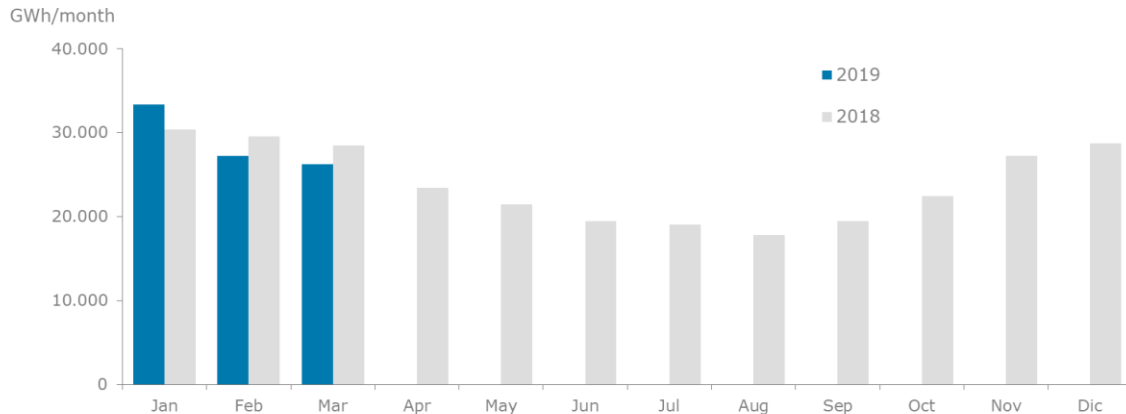
Unit : GWh

	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2018
	1 st to 31th March		Year 2019		1 st April 2018 to 31 th March 2019	
National Demand	31.111	-2,2%	104.041	2,4%	351.769	0,7%
- Conventional demand	26.209	-7,9%	86.817	-1,8%	285.834	-0,6%
- NG for Power Generation	4.902	46,0%	17.224	31,4%	65.935	6,7%
International Demand						
- International connections exports	218	-92,0%	828	-88,1%	24.859	-19,7%
- LNG Vessel loading	16		16	-99%	2.818	-43,3%
TOTAL	31.344	-9,3%	104.885	-5,2%	379.446	-1,5%

National demand
March - 2019

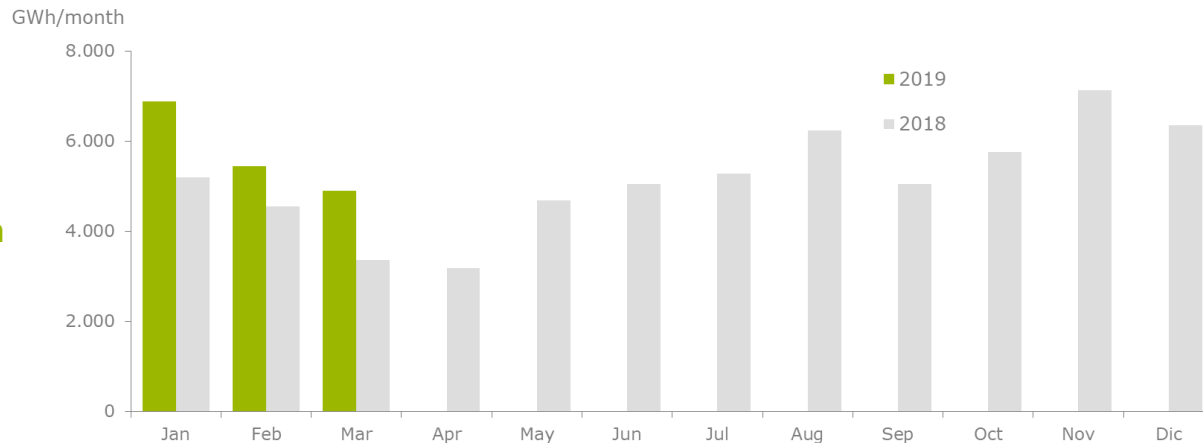


Natural Gas demand follow-up



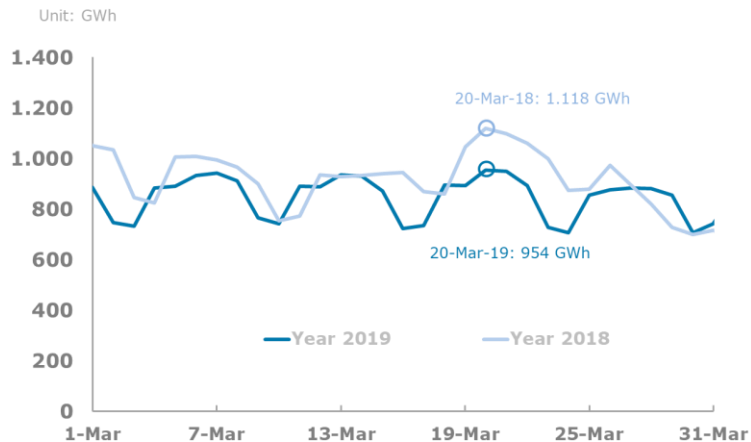
Conventional demand 2018 - 2019

NG for Power Generation 2018 - 2019

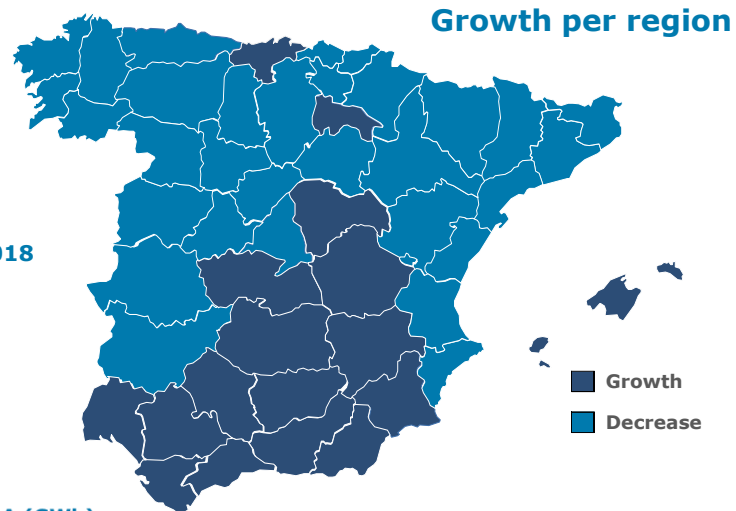


Conventional demand

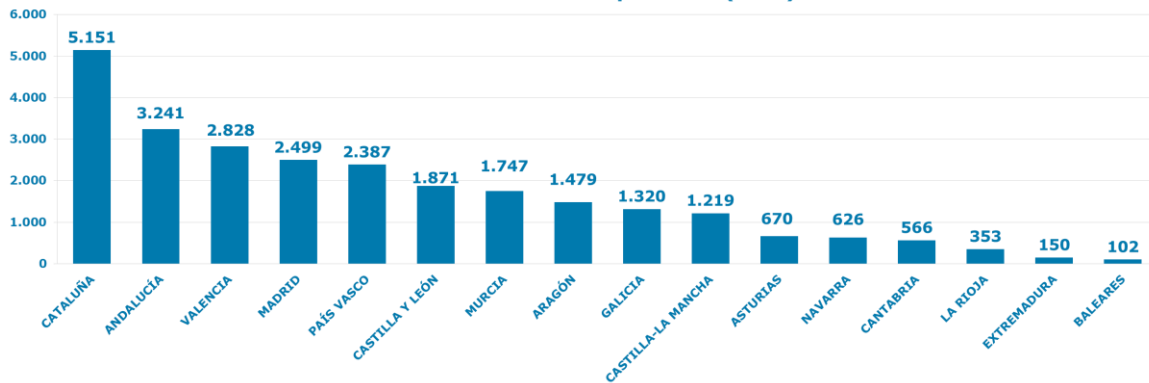
Comparison 2018-2019



Decrease -7,9% vs. 2018



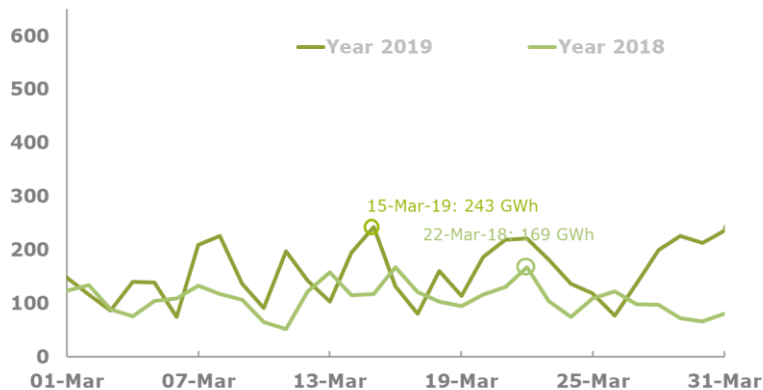
Conventional demand per CCAA (GWh)



Natural gas for power generation

Comparison 2018-2019

Unit: GWh

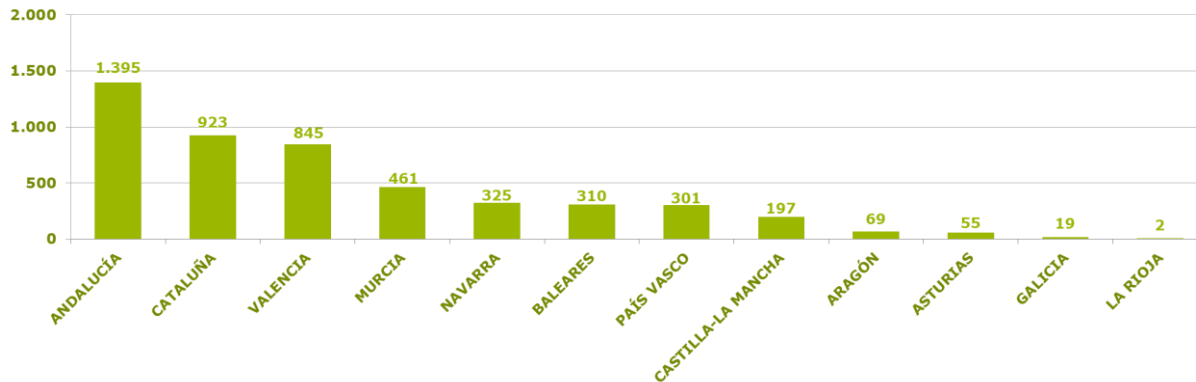


Increase 46% vs. 2018

Growth per region



NG for Power Generation (GWh)

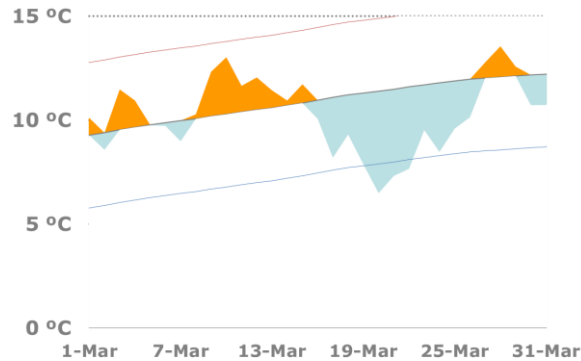


CTCC + CT

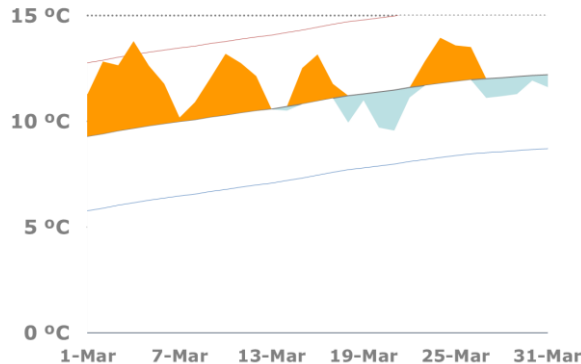


Demand - Temperatures

Temperatures 2018

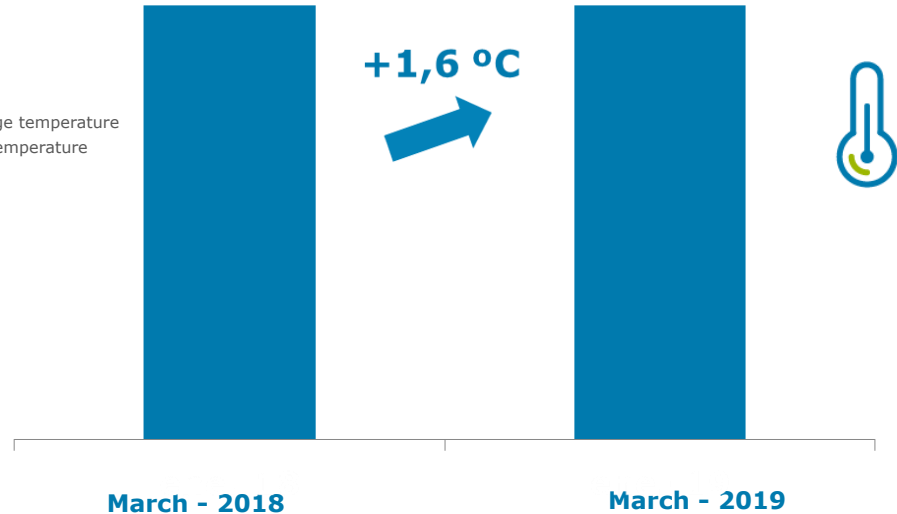


Temperatures 2019



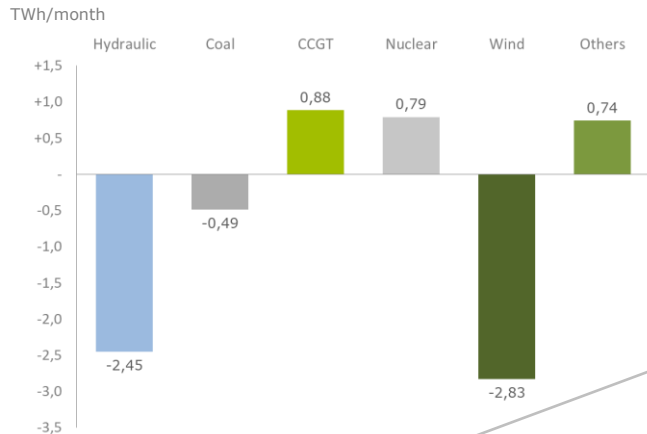
- Temperatures have been higher during March 2019 in comparison with March 2018.
- The average temperature has been **1,6°C** higher than the average of March 2018

— Average temperature
— Real temperature

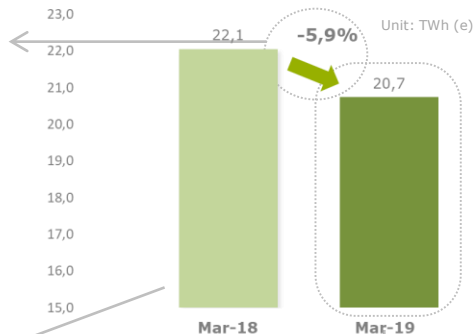


Gas for power generation

GROWTH MAR-19 VS. MAR-18

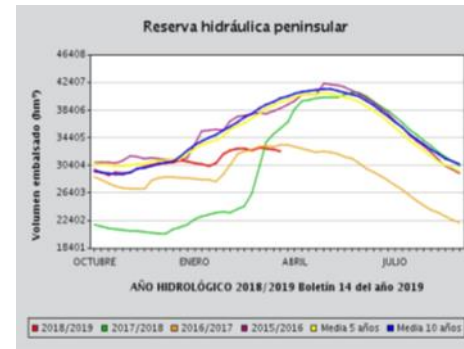


TRANSMISSION DEMAND MAR-19 VS. MAR-18

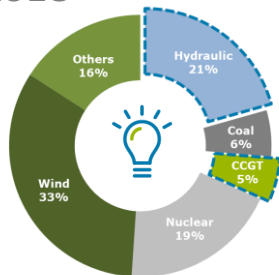


CAPACITY

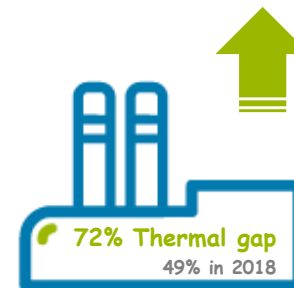
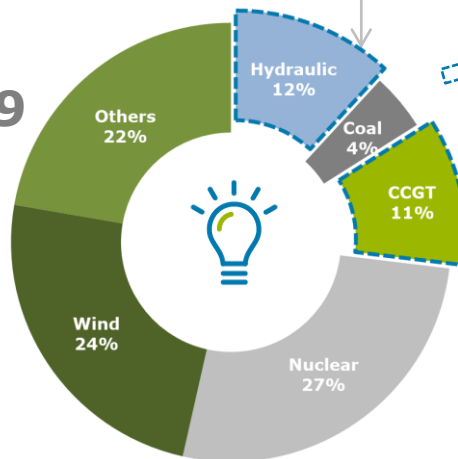
TOTAL : 56.118 hm³ = 23.281 GWh
ACTUAL : 32.407 hm³ = 11.182 GWh



2018



2019



Gas for power generation

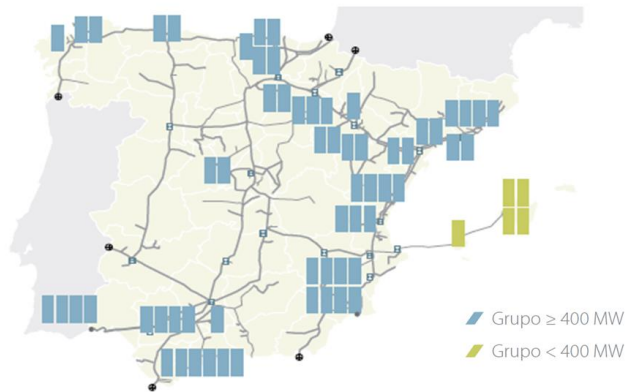
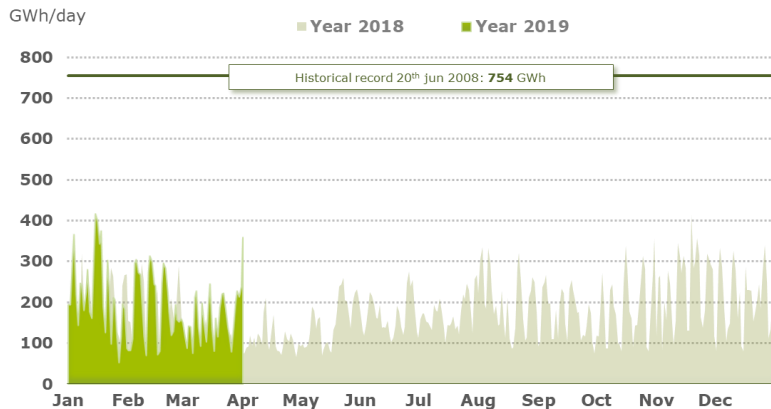


Monthly record

Mobile Anual Total Record

Unit: GWh

	Mar-18	Mar-19	Δ s/mar-18	Year 2019	MAT Apr-2018/Mar-2019	Δ over/Year 2018
NG for Power Generation	3.358	4.902	+46,0%	17.224	65.935	+6,7%
- Thermal Power Plants	8	10	+19%	50	208	-6,8%
- CCGT's	3.350	4.892	+46%	17.174	65.728	+6,7%
Maximum daily consumption	169	243	+44%	415	415	-
	22-Mar-18	15-Mar-19		15-Jan-19	15-Jan-19	
Minimum daily consumption	52	75	+43%	51	51	-
	11-Mar-18	06-Mar-19		27-Jan-19	27-Jan-19	



Content

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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

Origin of supplies

		Monthly record		Annual Total record		Mobile Annual Total record	
Unit: GWh		Mar-18	Mar-19	Year 2019	% 2019	MAT Apr-18/Mar-19	% MAT
Algeria	NG	18.108	6.959	33.976	} 36,9%	164.992	} 45,3%
	LNG	1.479	-	1.491		10.408	
Nigeria	LNG	3.419	3.952	13.321	13,9%	46.534	12,0%
Qatar	LNG	2.695	2.693	6.278	6,5%	36.791	9,5%
T&T	LNG	1.813	3.793	9.136	9,5%	30.678	7,9%
Peru	LNG	714	-	-	0,0%	15.095	3,9%
France	NG	3.484	6.154	17.970	} 18,7%	46.900	} 12,1%
	LNG	487	-	-		-	
Angola	LNG	-	-	1.025	1,1%	2.059	0,5%
United States	LNG	-	4.895	7.096	7,4%	10.116	2,6%
Norway	LNG	-	-	923	1,0%	6.511	1,7%
Bélgica	LNG	-	-	-	0,0%	896	0,2%
National gas field	NG	-	139	474	0,5%	1.430	0,4%
National biogas	NG	9	9	26	0,0%	96	0,0%
Portugal	NG	-	373	1.261	1,3%	1.357	0,4%
Dominican Republic	LNG	-	-	-	0,0%	338	0,1%
Russia	LNG	-	-	2.123	2,2%	10.853	2,8%
Cameroon	LNG	-	969	969	1,0%	1.832	0,5%
TOTAL		32.207	29.935	96.070	100%	386.887	100%

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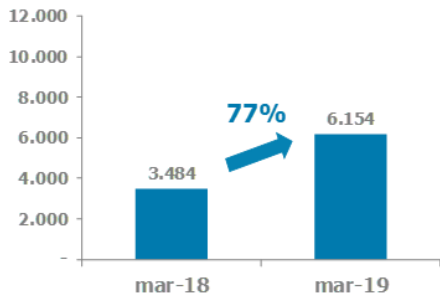
6. Operating notes

Interconnection points

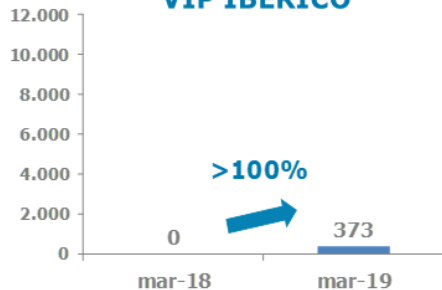
Imports

Unit: GWh

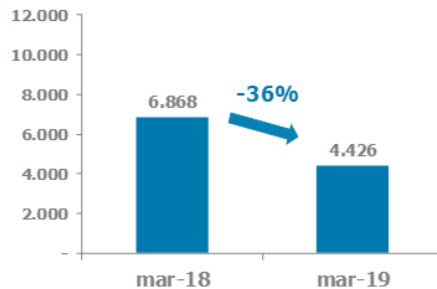
VIP PIRINEOS



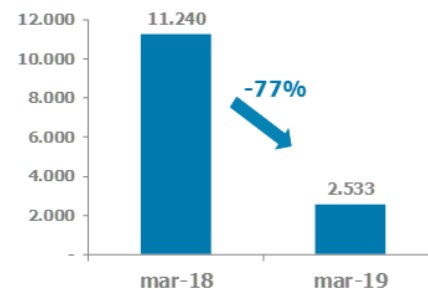
VIP IBÉRICO



ALMERÍA



TARIFA



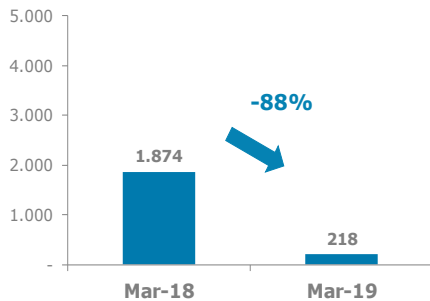
Interconnection points

Exports

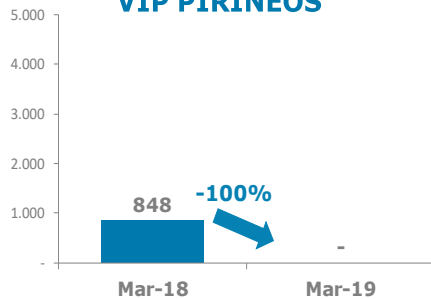
Unit: GWh



VIP IBÉRICO



VIP PIRINEOS



Interconnection points

Balance

Monthly Record

Monthly Mobile Anual Record

Unit: GWh	Mar-18	Mar-19	Δ over/Mar-18	Year 2019	MAT Apr-18/Mar-19	Δ s/MAT
Tarifa GME	11.240	2.533	-77%	16.023	87.564	-16%
Almería MEDGAZ	6.868	4.426	-36%	17.953	77.427	-2%
VIP PIRINEOS	2.636	6.154	>100%	17.947	39.366	25%
VIP IBÉRICO	-1.874	156	-108%	457	-15.968	-28%
National gas field	-	139	-	474	1.430	48%
National biogas	9	9	3%	26	96	2%
TOTAL	18.878	13.416	-29%	52.880	189.916	-2,4%

(+) Entry flows; (-) Exit flows



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Activity at Barcelona plant

Contract information (Average value)		Mar-18	Mar-19
Send-out	GWh/day	156	189
LNG Trucks	GWh/day	8	15
% average contract vs. nominal		29%	36%
% average contract use		80%	87%



2018

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

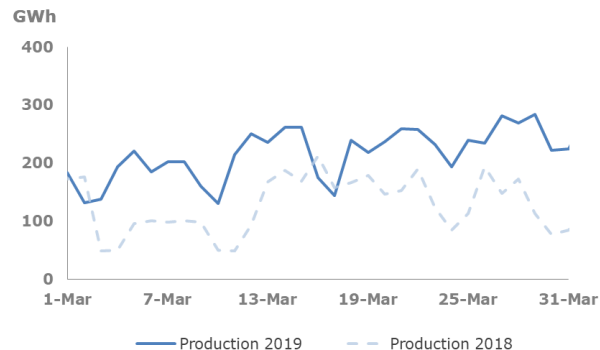
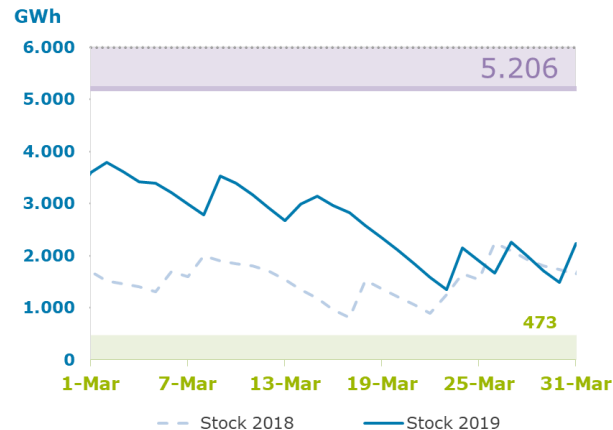


2019

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



Physical production		Mar-18	Mar-19	
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production	GWh	3.980	6.691	



Activity at Huelva plant

Contract information (Average value)		Mar-18	Mar-19
Send-out	GWh/day	186	138
LNG Trucks	GWh/day	9	9
% average contract vs. nominal		50%	37%
% average contract use		64%	90%

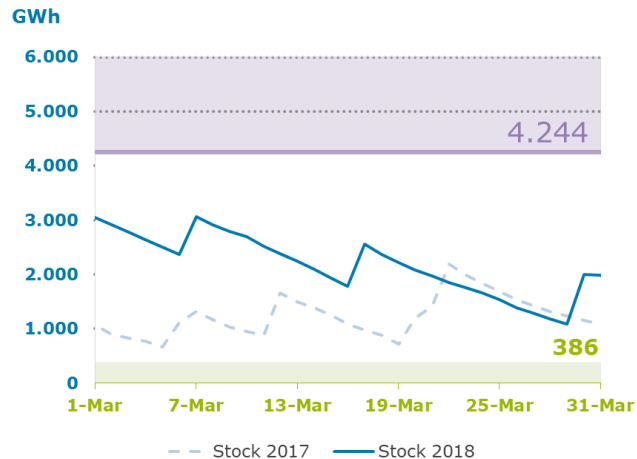
2018

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

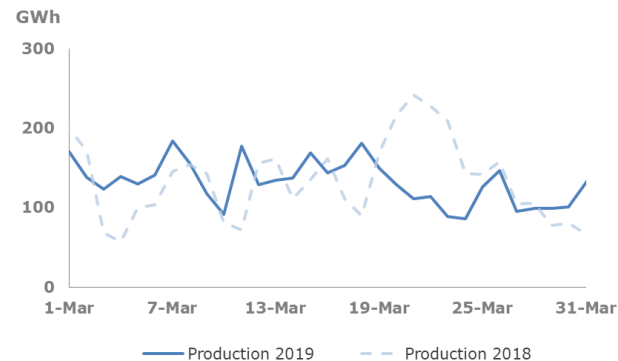


2019

4 LNG Unloaded
(3.702 GWh)
0 LNG Loaded
(16 GWh)



Physical production			Mar-18	Mar-19
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	4.169	4.096



Activity at Cartagena plant



Contract information (Average value)		Mar-18	Mar-19
Send-out	GWh/day	12	40
LNG Trucks	GWh/day	7	11
% average contract vs. nominal		5%	13%
% average contract use		98%	86%

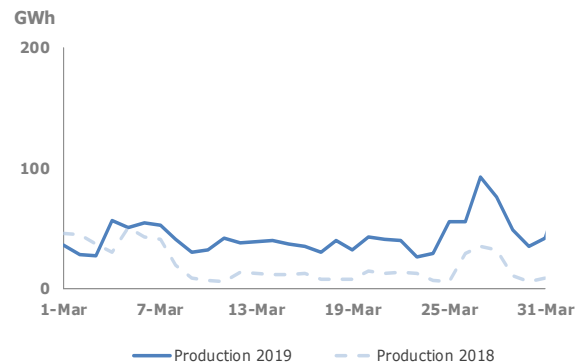
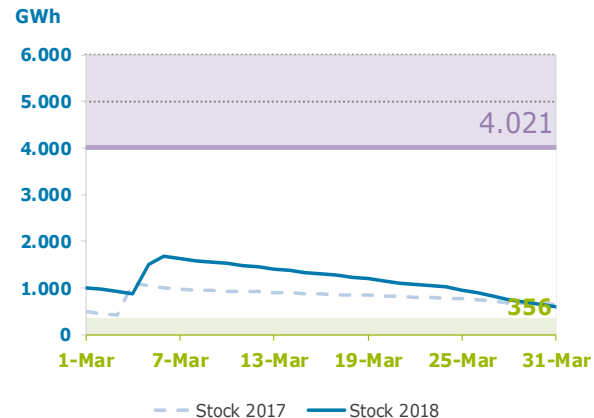
2018

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



2019

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



Physical production			Mar-18	Mar-19
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	392	392
Monthly production		GWh	603	1.324

Activity at Bilbao plant



Contract information (Average value)		Mar-18	Mar-19
Send-out	GWh/day	96	147
LNG Trucks	GWh/day	3	3
% average contract vs. nominal		43%	66%
% average contract use		77%	96%

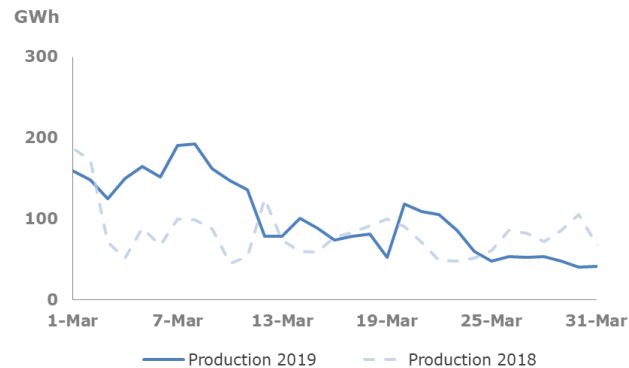
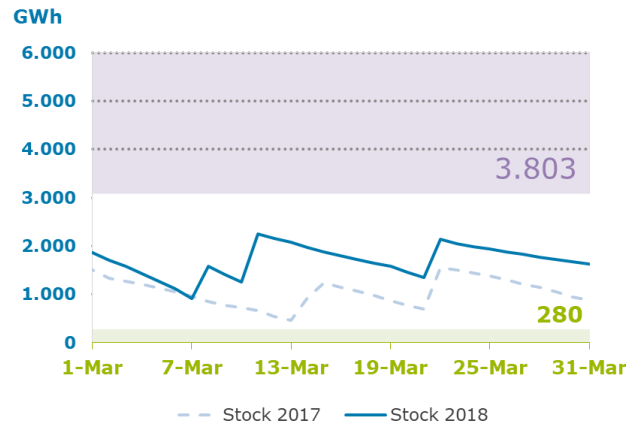
2018

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



2019

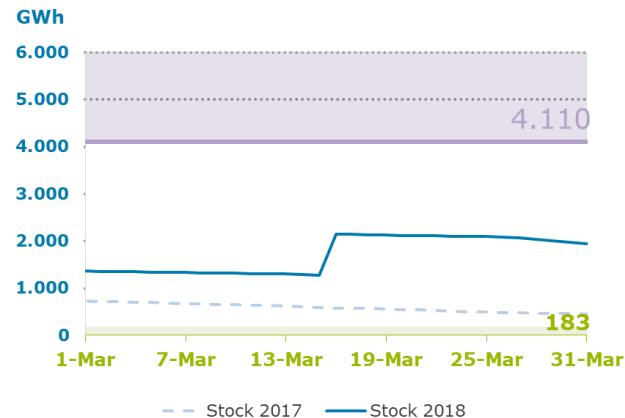
3 LNG Unloaded
(2.746 GWh)
0 LNG Loaded
(0 GWh)



Physical production			Mar-18	Mar-19
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	228
Monthly production		GWh	2.570	3.181

Activity at Sagunto plant

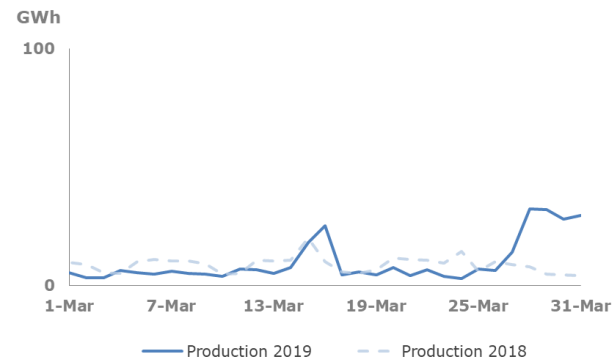
Contract information (Average value)		Mar-18	Mar-19
Send-out	GWh/day	1	10
LNG Trucks	GWh/day	6	3
% average contract vs. nominal		2%	4%
% average contract use		101%	87%



<u>2018</u>	<u>2019</u>
0 LNG Unloaded (0 GWh)	1 LNG Unloaded (897 GWh)
0 LNG Loaded (0 GWh)	0 LNG Loaded (0 GWh)



Physical production		Mar-18	Mar-19	
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	290	290
Monthly production	GWh	273	308	



Activity at Mugardos plant



Contract information (Average value)		Mar-18	Mar-19
Send-out	GWh/day	25	28
LNG Trucks	GWh/day	4	4
% average contract vs. nominal		23%	25%
% average contract use		97%	91%

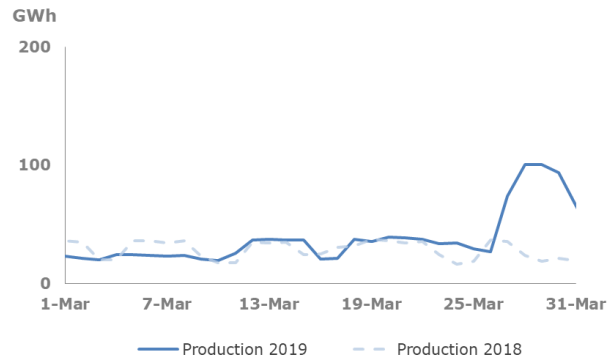
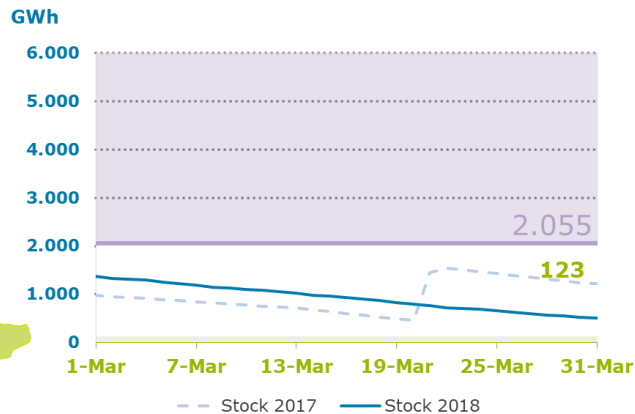
2018

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



2019

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



Physical production			Mar-18	Mar-19
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	GWh/day	126	126
Monthly production		GWh	891	1.191

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Unloads and loads of LNG vessels

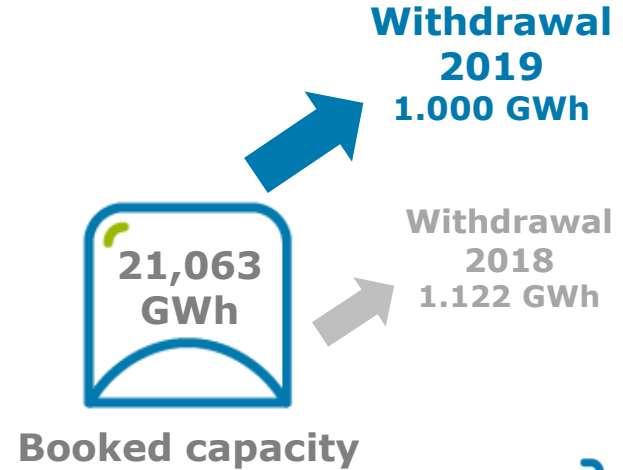
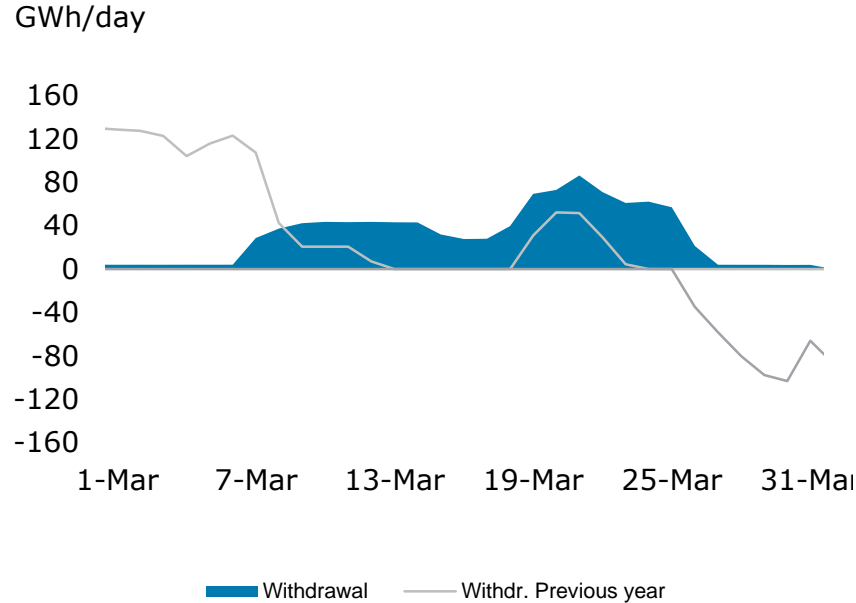
Production at regasification plants

Activity by LNG plant

5. Underground storage

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Withdrawal / injection season



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6. Operating notes

1 Operating Note were published during **March 2019**

🕒 Operating Note 02: Ship deviation to the Mugardos regasification plant

(12/03/2019) - Exceptional Operating Situation ZERO Level.



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

Thank you

