Statistical bulletin

Technical Management of the System

January 2020

PREVIEW

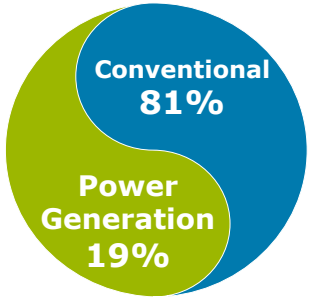
Content

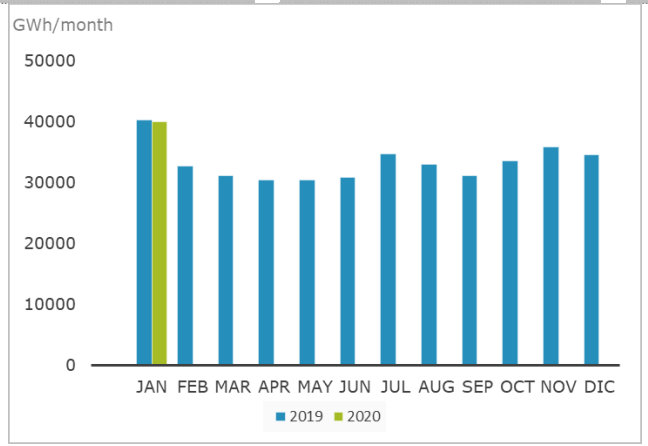
1. **Natural gas demand**
   - Natural gas demand flow-up
   - Evolution of conventional demand and power generation
   - Consumption by geographic location
2. **Origin of supplies**
3. **Interconnection Points**
4. **Regasification Plants**
   - Unloads and loads of LNG vessels
   - Production at regasification plants
   - Activity by LNG plant
5. **Underground storage**
6. **Operating notes**

Natural Gas demand follow-up

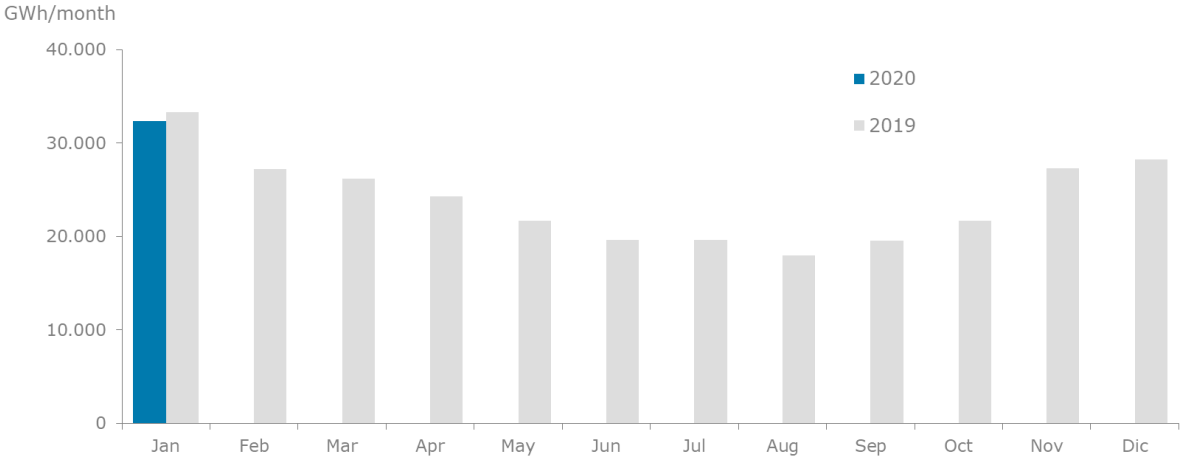
Unit : GWh	Month	% Δ Month	Year	% Δ Year	MAT	% Δ 2019
	1st to 31th January		Year 2020		1st Feb 2019 to 31nd Jan 2020	
National Demand	*39.890*	*-0,9%*	*39.891*	*-0,9%*	*397.835*	*-0,1%*
- Conventional demand	32.345	-3,0%	32.345	-3,0%	285.913	-0,4%
- NG for Power Generation	7.546	9,5%	7.546	9,5%	111.922	0,6%
International Demand	0	0,0%	0	0,0%	0	0,0%
- International conections exports	1.600	355,5%	1.600	355,5%	12.992	10,6%
- LNG Vessel loading	183,55	100,0%	184	100,0%	511	56,0%
TOTAL	**41.674**	**2,7%**	**41.674**	**2,7%**	**411.338**	**0,3%**

National demand
January - 2020



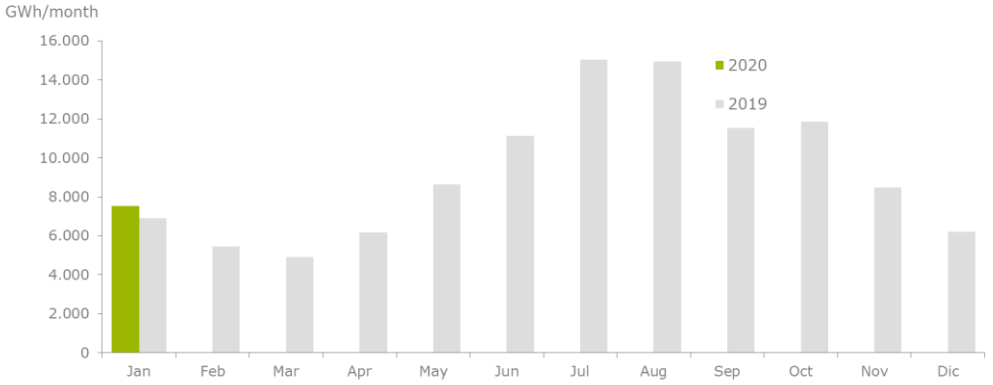


Natural Gas demand follow-up



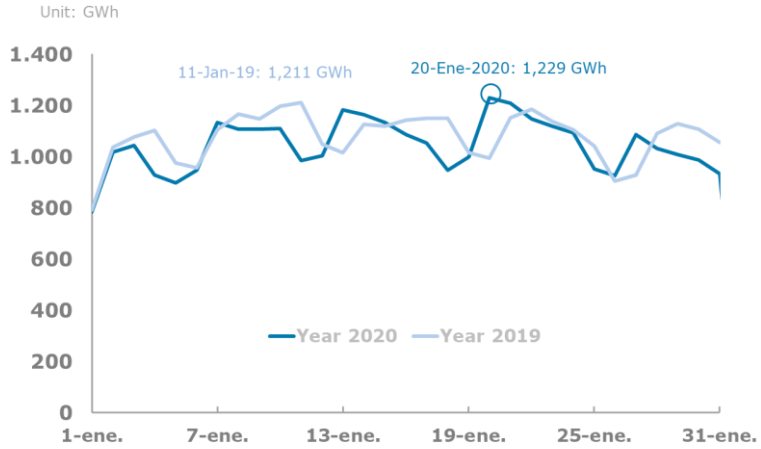
Conventional demand 2019 - 2020

NG for Power Generation 2019 - 2020



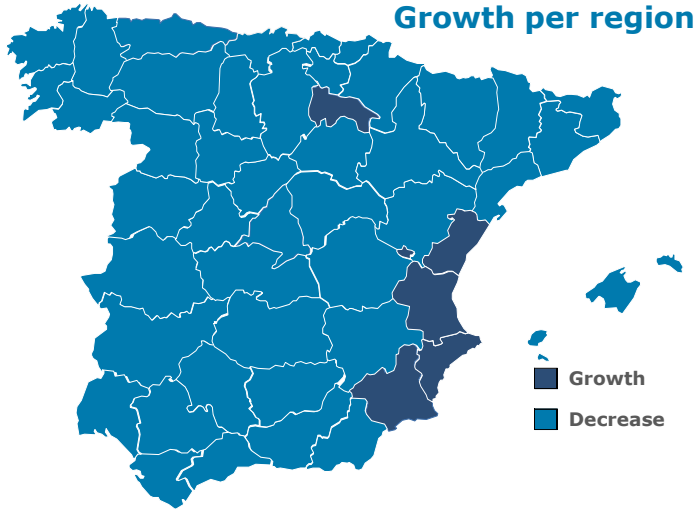
Conventional demand

Comparison 2019-2020



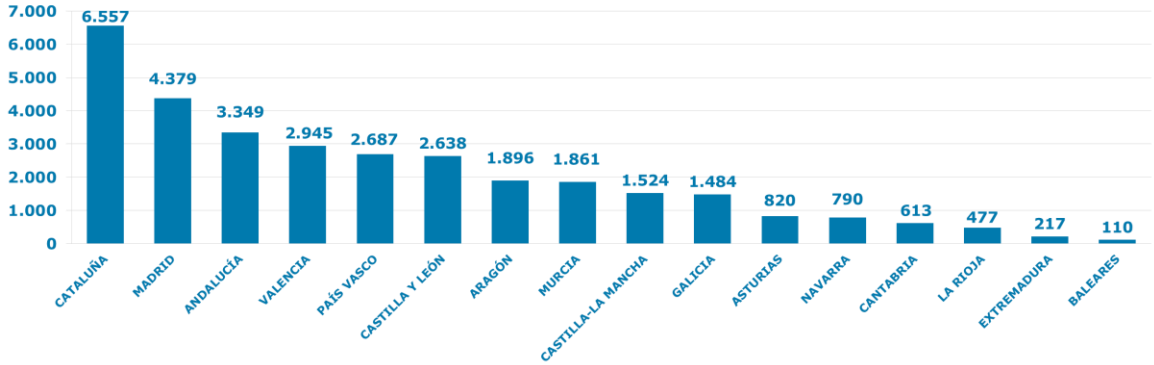
Decrease -3.0% vs. 2019

Growth per region



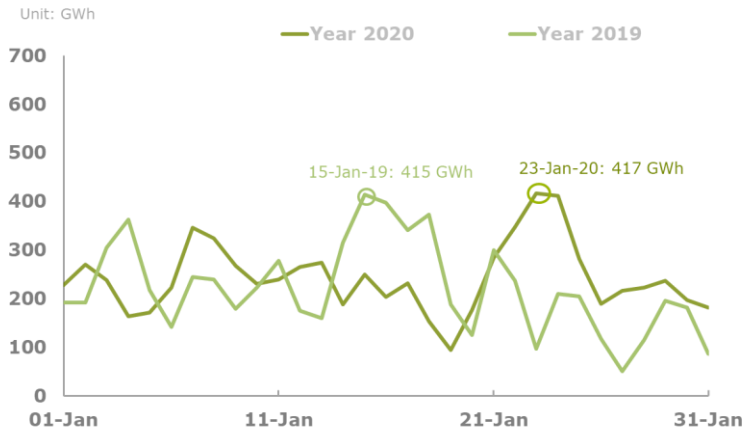
Industrial + DC

Consumo por CCAA (GWh)



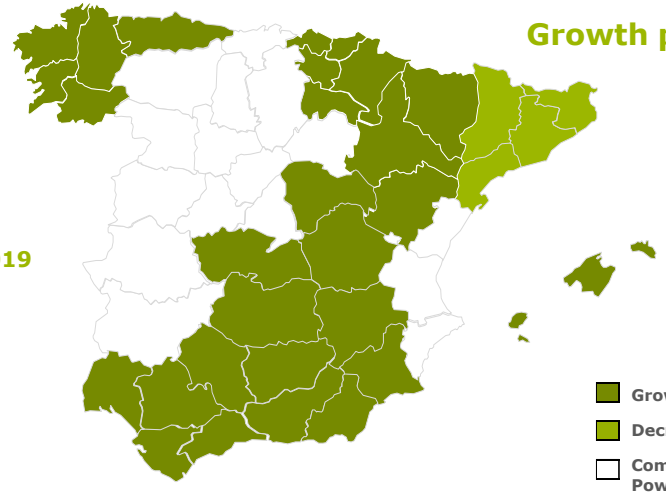
Natural gas for power generation

Comparison 2019-2020



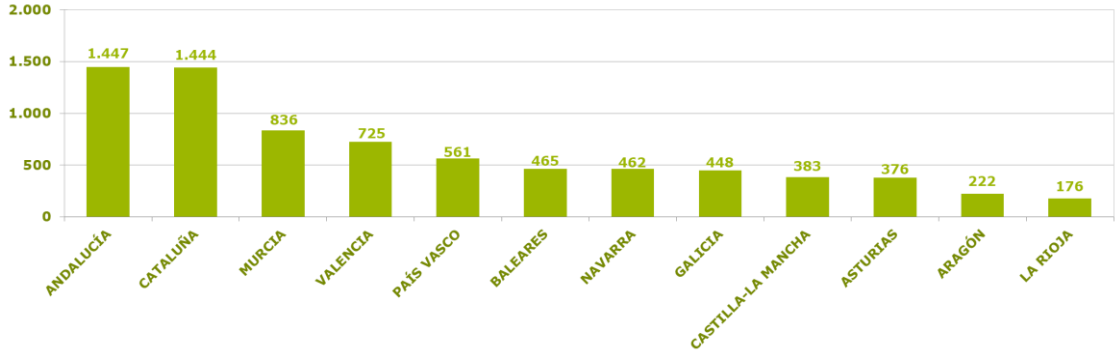
Increase 9.5% vs. 2019

Growth per region

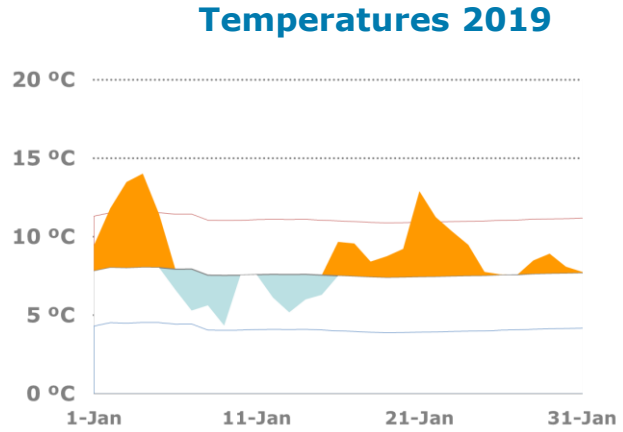


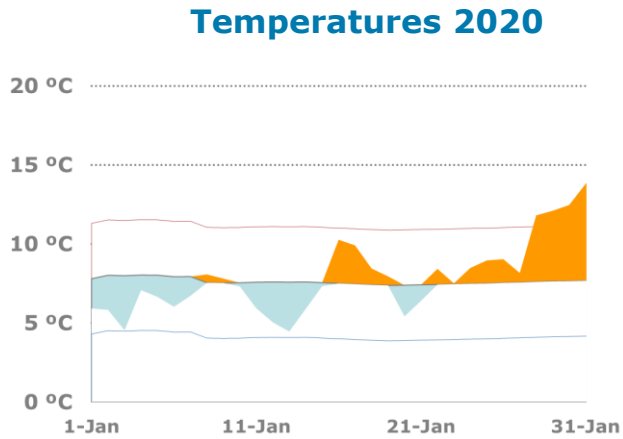
CTCC + CT

NG for Power Generation (GWh)



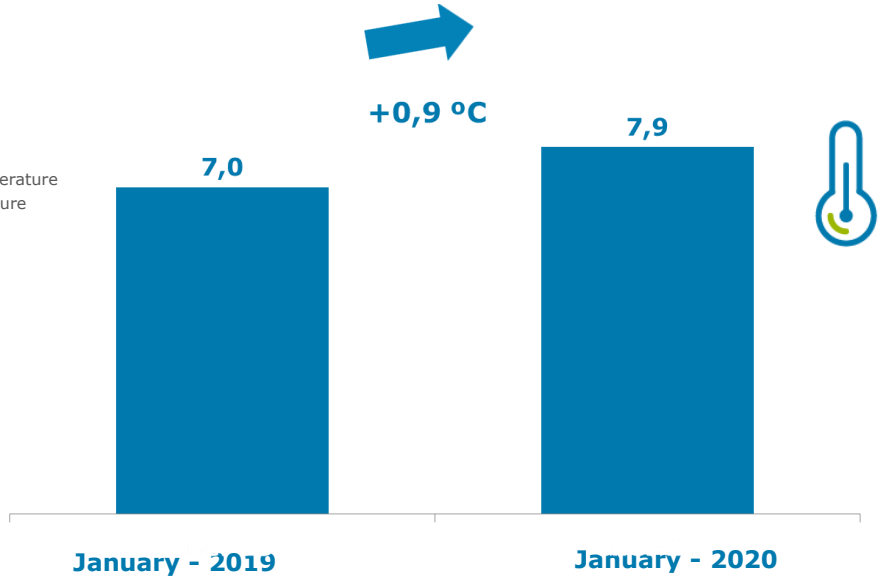
Demand - Temperatures





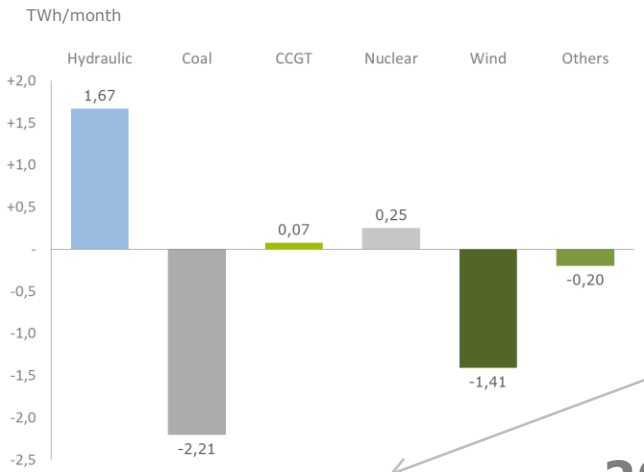
Average temperature
Real temperature

- Temperatures have been highest during January 2020 in comparison with January 2019.
- The average temperature has been **+0.9ºC** highest than the average of January 2019.

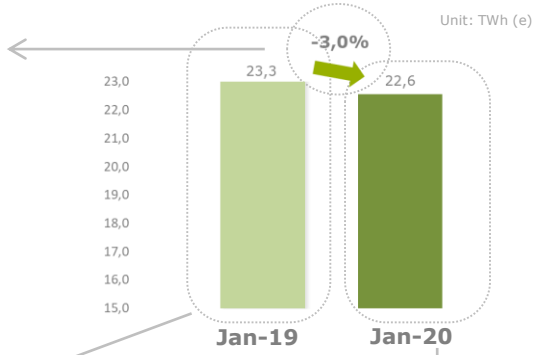


Gas for power generation

GROWTH JAN-20 VS. JAN-19

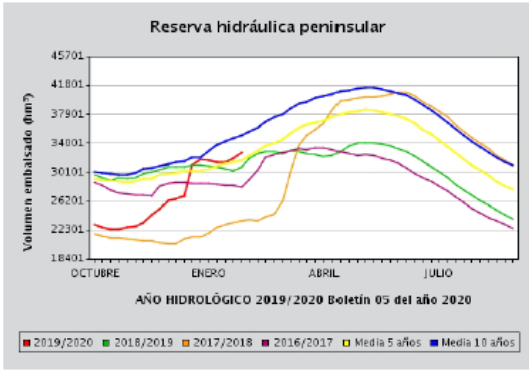


TRANSMISSION DEMAND JAN-20 VS. JAN-19

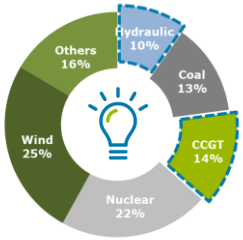


CAPACITY

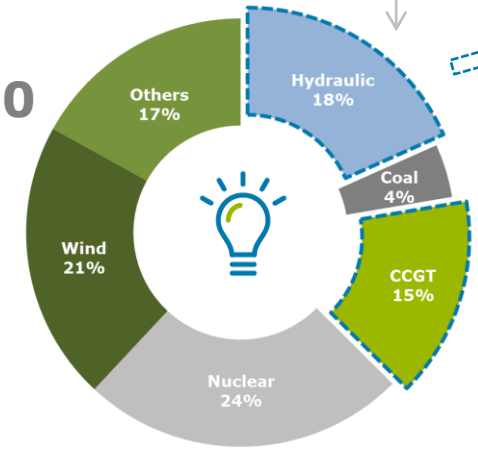
TOTAL : 55,622 hm3 = 22,964 GWh
ACTUAL : 32,760 hm3 = 13,129 GWh



2019



2020



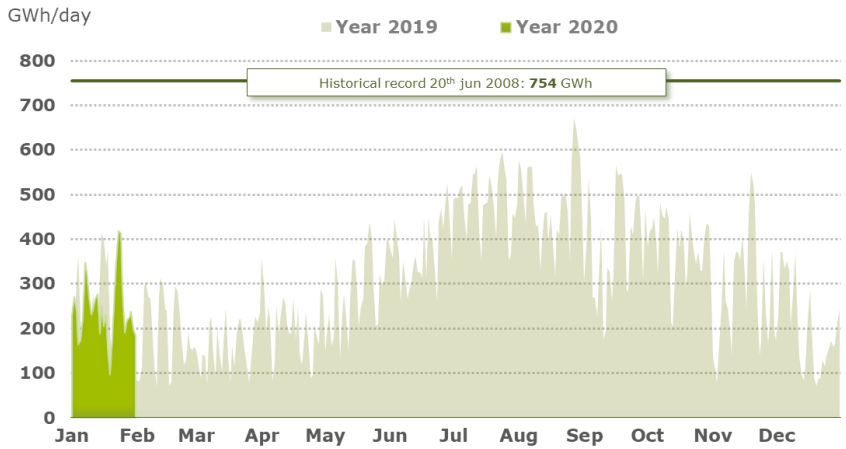
79% Thermal gap
51% in 2019

ORIGIN: RED ELÉCTRICA DE ESPAÑA

Gas for power generation

Unit: GWh

	Monthly record			Mobile Anual Total Record		
	Jan-18	Jan-19	Δ s/Jan-18	Year 2019	MAT Feb-2019/Jan-2020	Δ over/Year 2018
NG for Power Generation	**6.890**	**7.546**	**+9,5%**	**7.546**	**111.922**	**+0,6%**
- Thermal Power Plants	18	15	-17%	15	118	-2,5%
- CCGT's	6.872	7.531	+10%	7.531	111.804	+0,6%
Maximum daily consumption	**415** 15-Jan-19	**417** 23-Jan-20	**+0%**	**417** 23-Jan-20	**671** 27-Aug-19	**+61%**
Minimum daily consuption	**51** 27-Jan-19	**95** 19-Jan-20	**+85%**	**95** 19-Jan-20	**69** 10-Feb-19	**-28%**



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Origin of supplies

Unit: GWh		Monthly record Jan-18	Monthly record Jan-19	Annual Total record Year 2019	Annual Total record % 2019	Mobile Annual Total record MAT Feb-18/Jan-19	Mobile Annual Total record % MAT
Algeria	NG	16.248	7.603	7.603	25,0%	117.619	31,0%
	LNG	1.491	490	490		11.077	
Nigeria	LNG	4.703	2.008	2.008	6,2%	45.249	10,9%
Qatar	LNG	1.799	3.640	3.640	11,3%	50.735	12,2%
T&T	LNG	2.663	4.616	4.616	14,3%	33.363	8,0%
Peru	LNG	-	-	-	0,0%	5.004	1,2%
France	NG	6.228	3.108	3.108	9,6%	46.076	11,1%
	LNG	-	-	-		-	
Angola	LNG	-	1.021	1.021	3,2%	4.072	1,0%
United States	LNG	1.988	4.324	4.324	13,4%	48.462	11,7%
Norway	LNG	-	-	-	0,0%	7.374	1,8%
Bélgica	LNG	-	-	-	0,0%	1.038	0,3%
National gas field	NG	169	60	60	0,2%	1.245	0,3%
National biogas	NG	10	10	10	0,0%	101	0,0%
Portugal	NG	391	378	378	1,2%	1.916	0,5%
Dominican Republic	LNG	-	-	-	0,0%	-	0,0%
Russia	LNG	1.025	3.283	3.283	10,1%	37.875	9,1%
Camerún	LNG	-	-	-	0,0%	966	0,2%
Guinea Ecuatorial	LNG	-	961	961	3,0%	1.936	0,5%
Argentina	LNG	-	843	843	2,6%	843	0,2%
TOTAL		**36.716**	**32.344**	**32.344**	**100%**	**414.950**	**100%**

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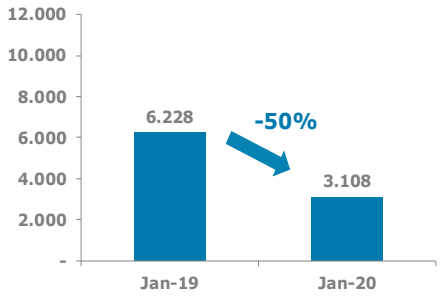
Interconnection points

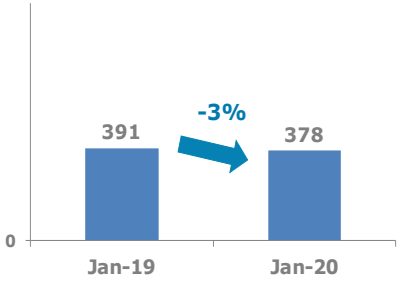
Imports

Unit:: GWh

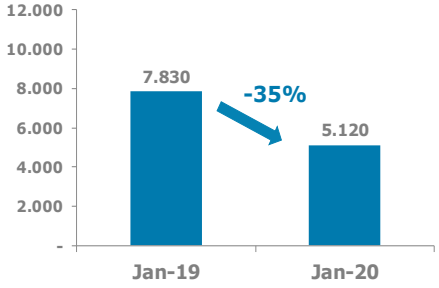
VIP PIRINEOS



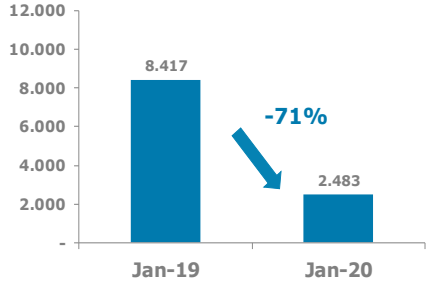
VIP IBÉRICO



ALMERÍA



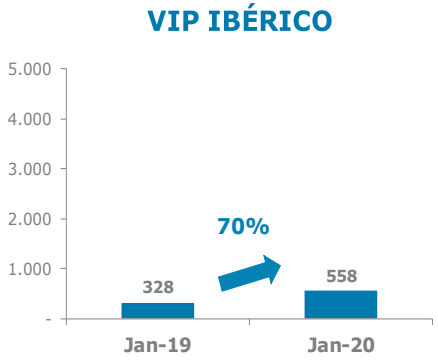
TARIFA

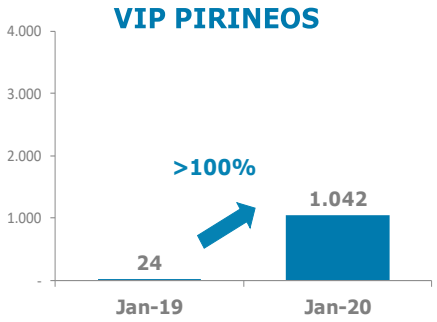


Interconnection points

Exports

Unit: GWh





Interconnection points

Balance

Unit: GWh	Monthly Record				Monthly Mobile Anual Record	
	Jan-18	Jan-19	Δ over/Jan-19	Year 2019	MAT Feb-18/Jan-19	Δ s/2018
Tarifa GME	8.417	2.483	-71%	2.483	47.502	-11%
Almería MEDGAZ	7.830	5.120	-35%	5.120	64.188	-4%
VIP PIRINEOS	6.205	2.066	-67%	2.066	40.568	-9%
VIP IBÉRICO	64	-180	-383%	-180	-5.568	5%
National gas field	169	60	-65%	60	1.245	-8%
National biogas	10	10	3%	10	101	0%
TOTAL	**22.695**	**9.559**	**-58%**	**9.559**	**148.036**	**-8,2%**

(+) Entry flows; (-) Exit flows

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Activity at Barcelona plant

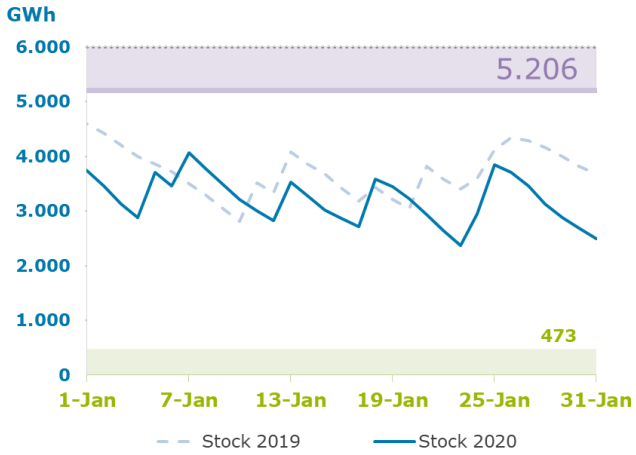
Contract information (Average value)		Jan-19	Jan-20
Send-out	GWh/day	186	222
LNG Trucks	GWh/day	11	16
% average contract vs. nominal		35%	42%
% average contract use		89%	91%

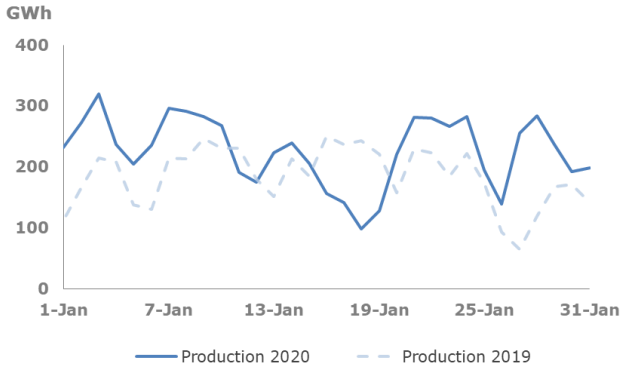
2019

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

2020

6 LNG Unloaded
(5.655 GWh)
2 LNG Loaded
(78 GWh)





Physical production			Jan-19	Jan-20
Nominal	Send-out	GWh/day	544	544
	LNG Trucks	GWh/day	15	15
	Total	GWh/day	559	559
Monthly production		GWh	5.749	7.031

Activity at Huelva plant

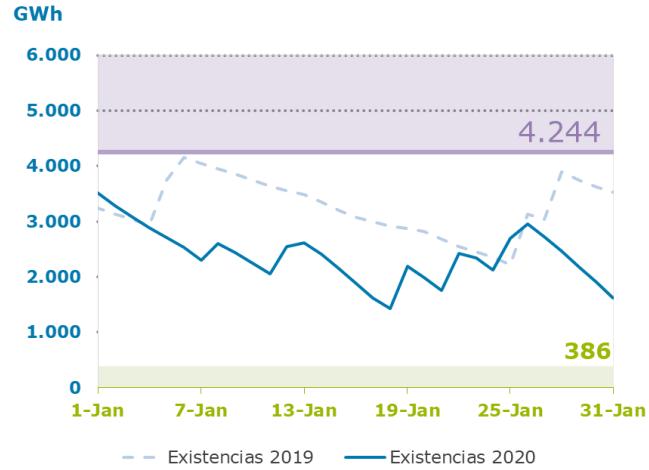
Contract information (Average value)		Jan-19	Jan-20
Send-out	GWh/day	148	206
LNG Trucks	GWh/day	8	10
% average contract vs. nominal		40%	55%
% average contract use		95%	93%

2019

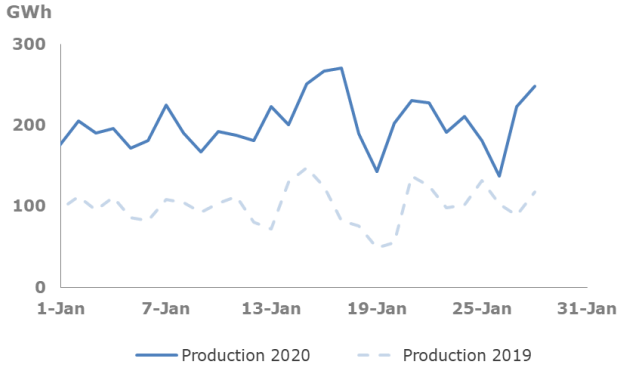
4 LNG Unloaded
(3.346 GWh)
0 LNG Loaded
(0 GWh)

2020

5 LNG Unloaded
(4.451 GWh)
2 LNG Loaded
(53 GWh)



Physical production			Jan-19	Jan-20
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	**GWh/day**	392	392
Monthly production		**GWh**	3.188	6.473



Activity at Cartagena plant

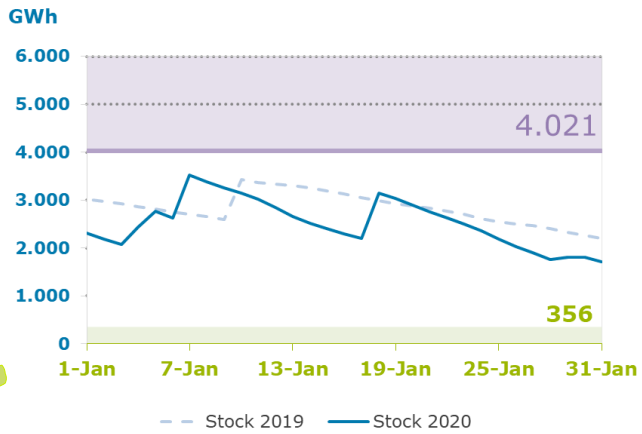
Contract information (Average value)		Jan-19	Jan-20
Send-out	GWh/day	28	123
LNG Trucks	GWh/day	11	10
% average contract vs. nominal		10%	34%
% average contract use		95%	87%

<u>2019</u>

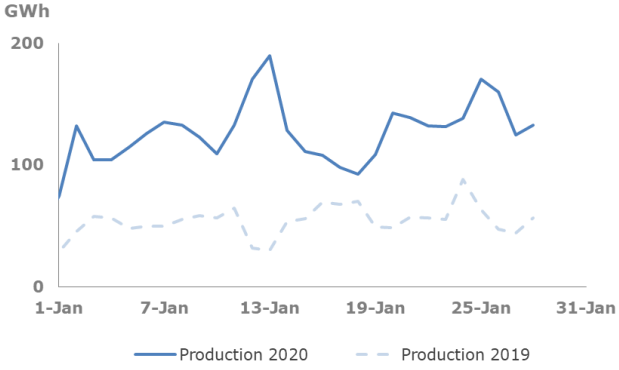
1 LNG Unloaded
(854 GWh)
0 LNG Loaded
(0 GWh)

<u>2020</u>

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

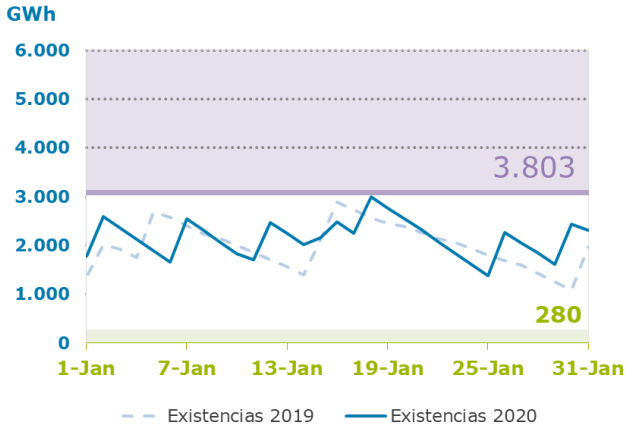


Physical production			Jan-19	Jan-20
Nominal	Send-out	GWh/day	377	377
	LNG Trucks	GWh/day	15	15
	Total	**GWh/day**	392	392
Monthly production		**GWh**	1.711	3.871



Activity at Bilbao plant

Contract information (Average value)		Jan-19	Jan-20
Send-out	GWh/day	156	223
LNG Trucks	GWh/day	3	5
% average contract vs. nominal		70%	100%
% average contract use		87%	≈100%



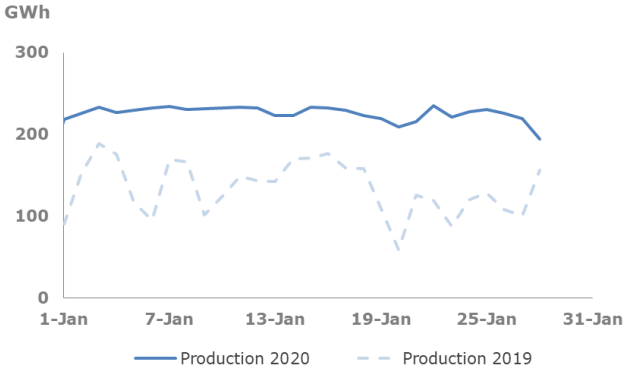
2019

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

2020

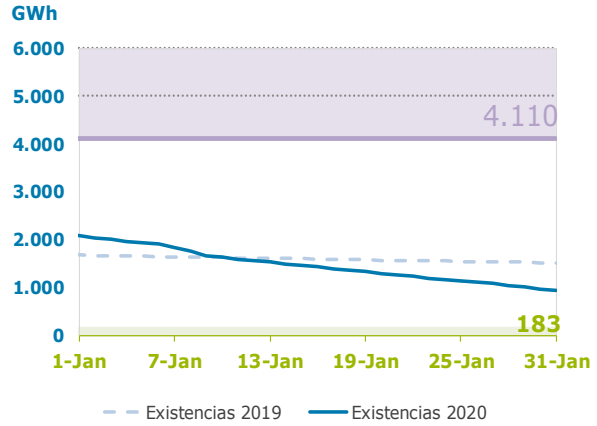
7 LNG Unloaded
(7.095 GWh)
0 LNG Loaded
(0 GWh)

Physical production			Jan-19	Jan-20
Nominal	Send-out	GWh/day	223	223
	LNG Trucks	GWh/day	5	5
	Total	GWh/day	228	249
Monthly production		GWh	4.256	6.840



Activity at Sagunto plant

Contract information (Average value)		Jan-19	Jan-20
Send-out	GWh/day	2	18
LNG Trucks	GWh/day	2	8
% average contract vs. nominal		1%	9%
% average contract use		108%	113%



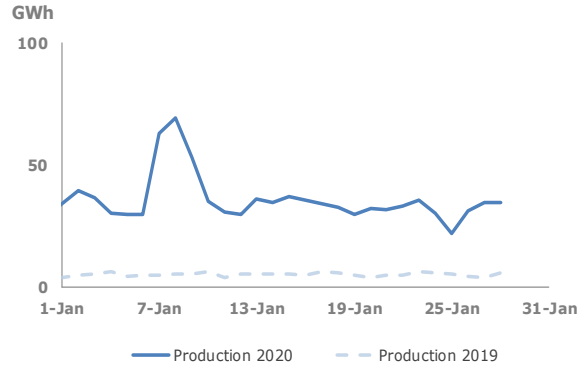
2019

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

2020

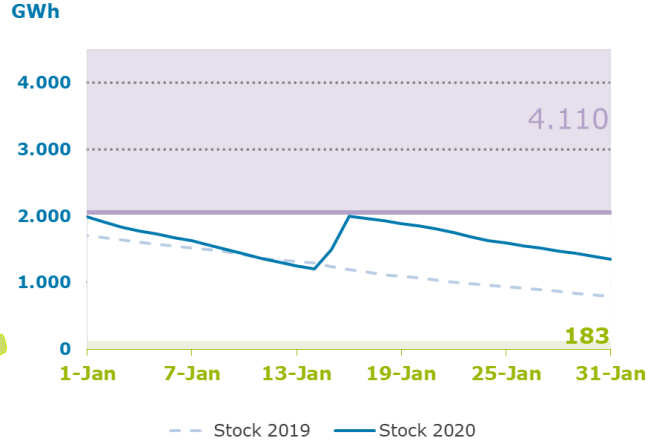
0 LNG Unloaded
(0 GWh)
1 LNG Loaded
(52 GWh)

Physical production			Jan-19	Jan-20
Nominal	Send-out	GWh/day	279	279
	LNG Trucks	GWh/day	10	10
	Total	**GWh/day**	290	290
Monthly production		**GWh**	157	1.107



Activity at Mugardos plant

Contract information (Average value)		Jan-19	Jan-20
Send-out	GWh/day	13	103
LNG Trucks	GWh/day	4	5
% average contract vs. nominal		14%	86%
% average contract use		99%	41%

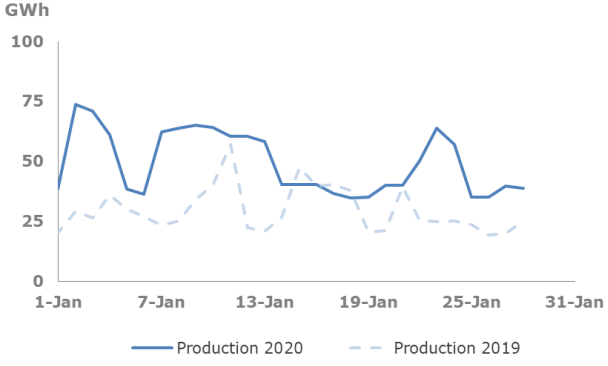


2019

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

2020

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

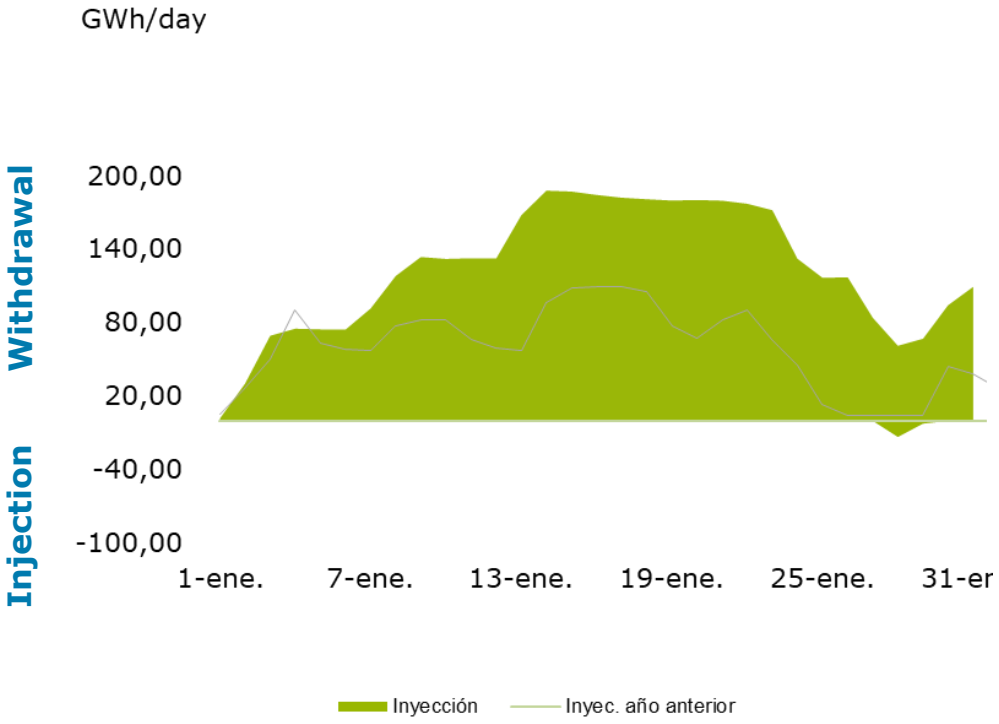


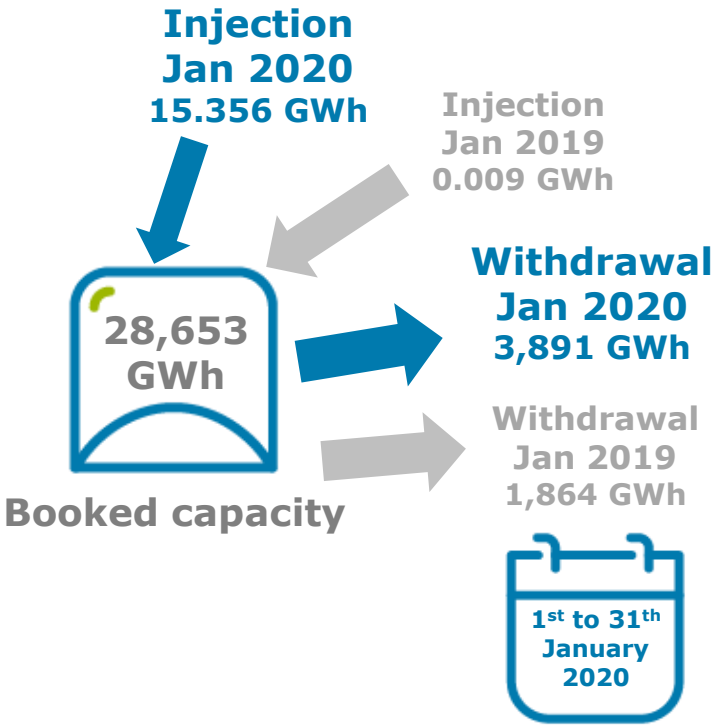
Physical production			Jan-19	Jan-20
Nominal	Send-out	GWh/day	115	115
	LNG Trucks	GWh/day	10	10
	Total	**GWh/day**	126	126
Monthly production		**GWh**	904	1.502

Content

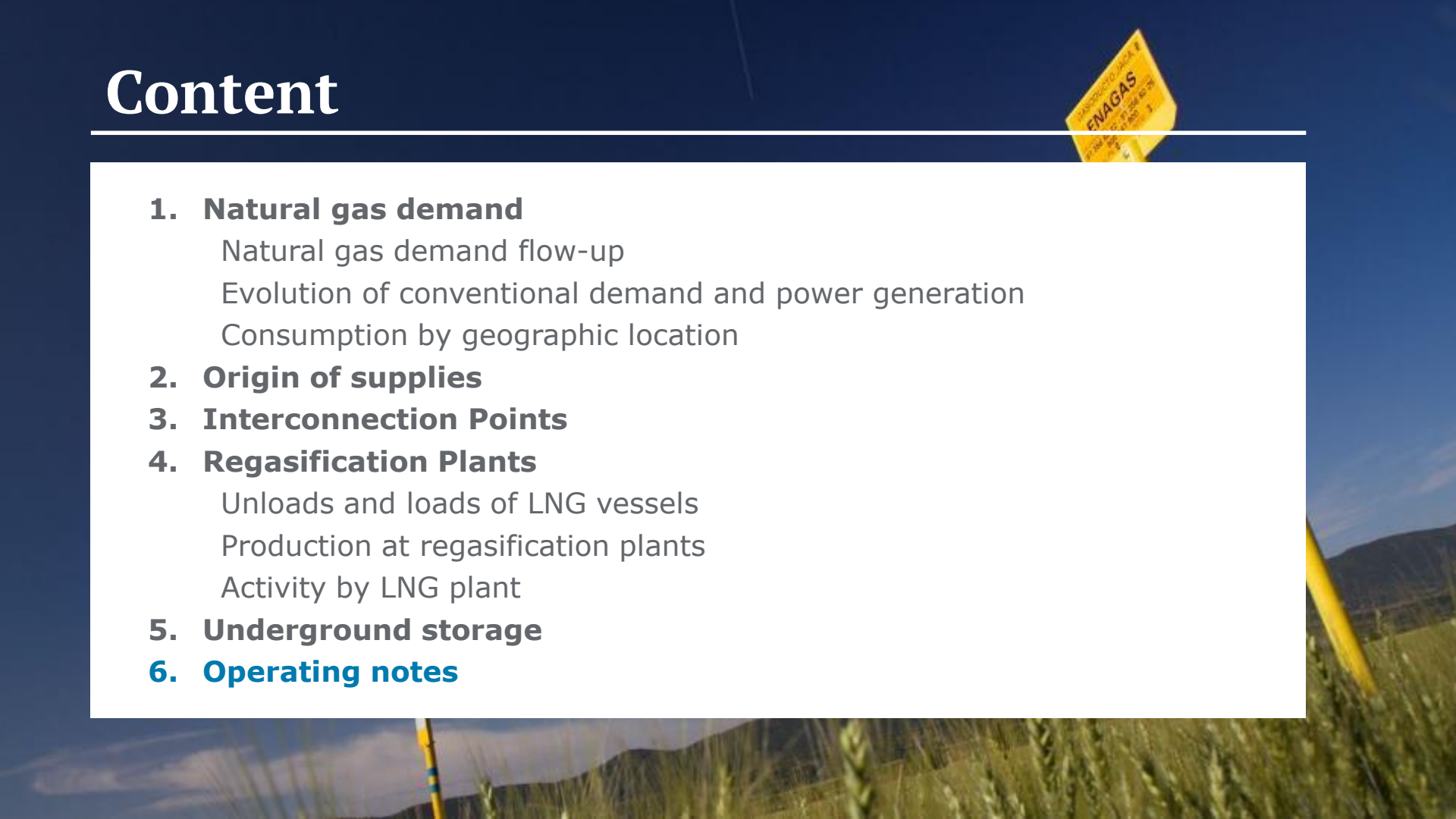
Underground storage

Withdrawal / injection season





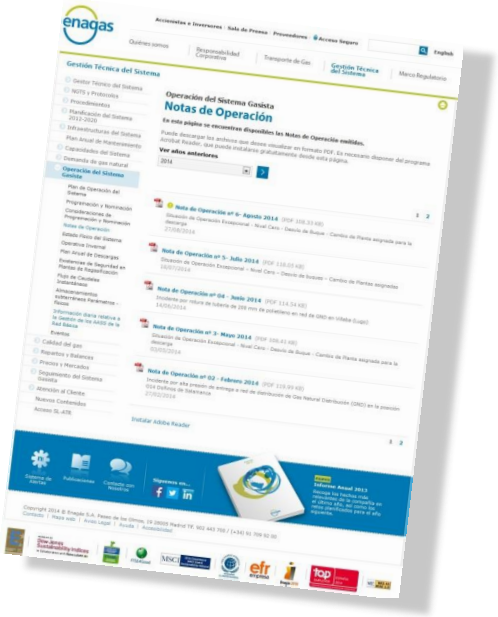
Content



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**

Operating notes

No Operating Notes were published during **January 2020**



The Operating notes can be checked at the Enagás Website

Thank you