



ADVANCE



Statistical bulletin

December 2020

Technical Management of the System

GTS_DEMANDA@enagas.es

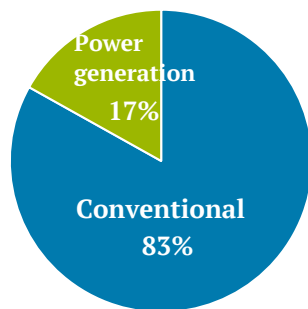
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7. Operating notes and other relevant facts

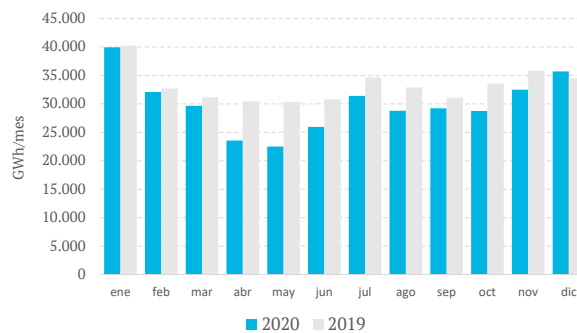
1. Evolution of gas demand

GWh	Monthly accumulated		Annual accumulated		Moving Annual Total	
	Dec-2020	%Δ s/2019	Jan-Dec 2020	%Δ s/2019	MAT: Jan 2020-Dec 2020	%Δ MAT vs 2019
National Market demand	35.690	3,4%	360.004	-9,6%	360.004	-9,6%
Conventional	29.663	4,9%	271.147	-5,5%	271.147	-5,5%
Power generation	6.028	-3,5%	88.858	-20,2%	88.858	-20,2%
International Market demand	701	-81,0%	12.988	6,3%	12.988	6,3%
International connections exports	669	-81,5%	12.004	2,2%	12.004	2,2%
LNG Vessel loading	32	<100%	984	111,2%	984	111,2%
TOTAL	36.392	-4,8%	372.992	-9,1%	372.992	-9,1%

National market demand December 2020

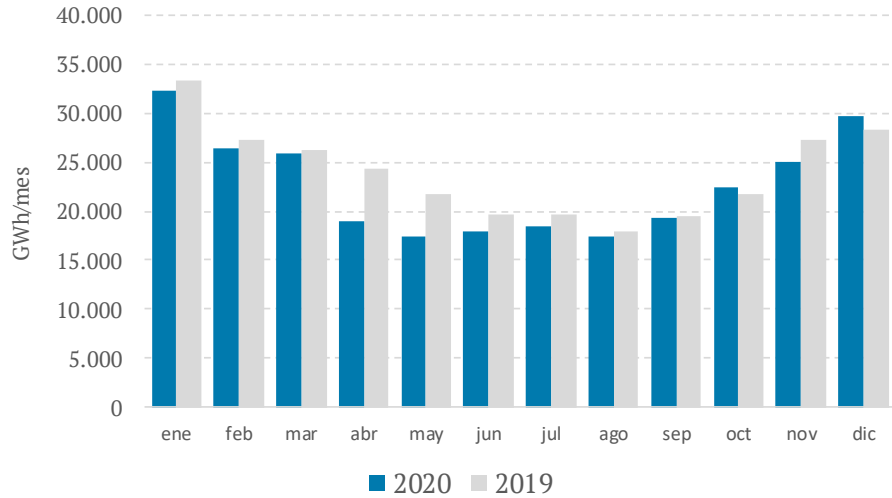


Total Demand

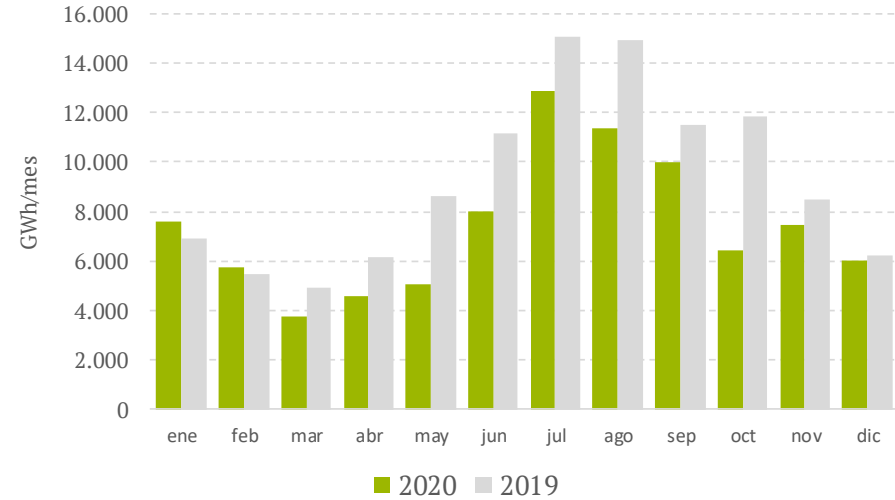


1. Evolution of gas demand

Conventional Demand



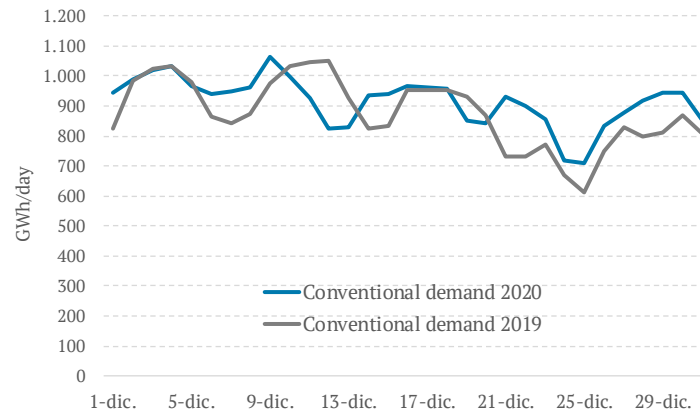
Power Generation



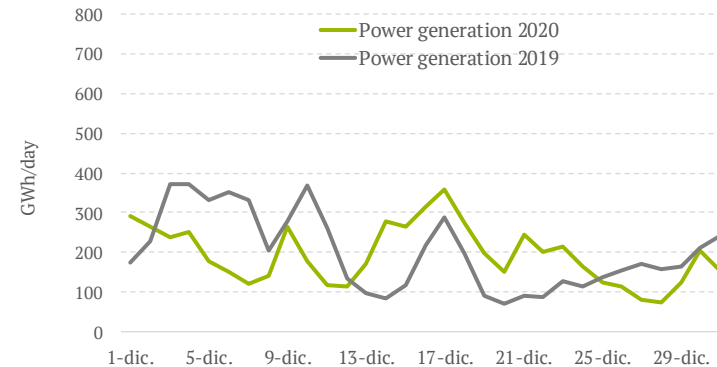
1. Evolution of CCAA gas demand

GWh	CONVENTIONAL DEMAND (without LNG trucks)		POWER GENERATION	
	Dec-2020	%Δ s/Dec 2019	Dec-2020	%Δ s/Dec 2019
CATALUÑA	5.639	8,4%	665	-47,5%
ANDALUCIA	2.805	-3,4%	1.342	56,4%
VALENCIA	2.615	13,6%	735	56,5%
PAIS_VASCO	2.425	5,6%	228	-71,3%
MURCIA	1.498	-0,2%	816	29,0%
CASTILLA_LEON	2.459	7,7%	0	
ARAGON	1.640	3,2%	266	264,5%
GALICIA	1.184	-4,7%	611	-4,2%
CASTILLA_MANCHA	1.450	0,6%	281	28,0%
MADRID	4.094	9,5%	0	
ASTURIAS	752	1,8%	337	-26,6%
NAVARRA	734	10,8%	91	-77,3%
CANTABRIA	486	-16,2%	0	
LA_RIOJA	338	-16,9%	236	61,0%
EXTREMADURA	187	6,6%	0	
BALEARES	85	-11,7%	421	46,1%

Conventional demand daily evolution



Power generation daily evolution



1.1 Conventional demand

Demand




Conventional market

+4,9%

More than the previous year

Temperatures

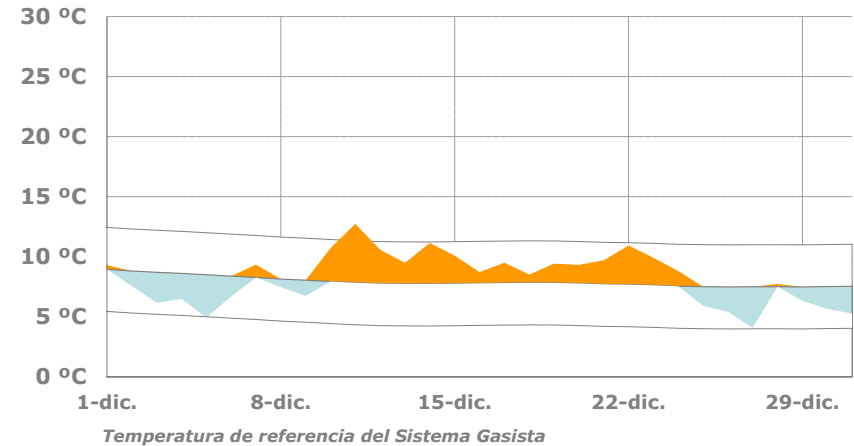


-1,6°C

Less than the previous year

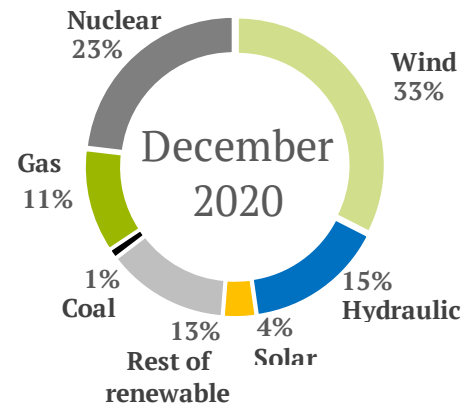
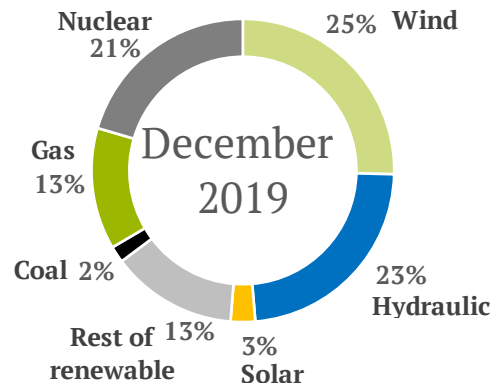
Calendar and temperature correction

	Conventional demand		Accumulated		MAT	
	December 2020 (*)		January-December 2020		January 2020-December 2020	
Demand	GWh	%20 s/19	GWh	%20 s/19	GWh	% TAM s/19
	29.663	4,9%	271.147	-5,5%	271.147	-5,5%
Calendar		2,1%		0,0%		0,0%
Temperature		4,2%		-1,3%		-1,3%
Amended demand		-1,5%		-4,2%		-4,2%



1.2 Power generation– electricity generation mix

TWh (e)	Dec 2019	Dec 2020
Power generation	20,9	21,3
Wind	5,4	7,4
Hydraulic	4,9	3,5
Solar	0,6	0,8
Rest of renewable	2,9	3,0
Cogeneration	2,3	2,4
Others	0,5	0,7
Thermal Gap	3,1	2,8
Coal	0,4	0,2
Gas	2,8	2,6
% gas in TG	88%	92%
Nuclear	4,4	5,3
International balances	0,4	-0,8
	import	export

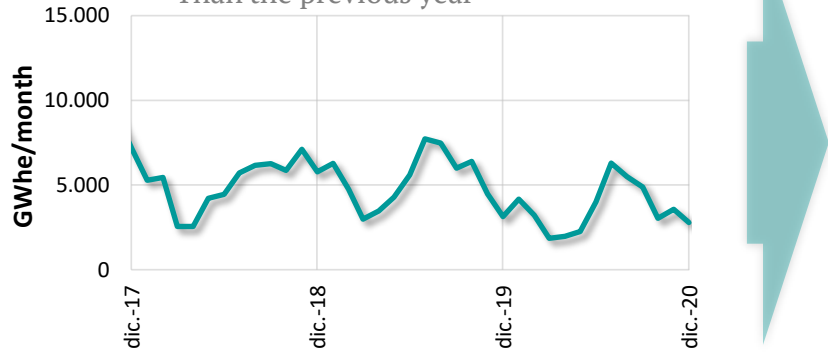


1.2 Power generation – Thermal Gap evolution

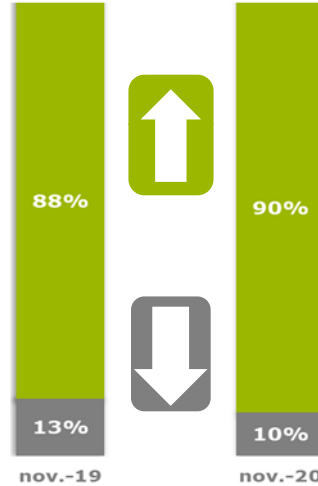
Thermal Gap

-11%

Than the previous year



%GAS/COAL



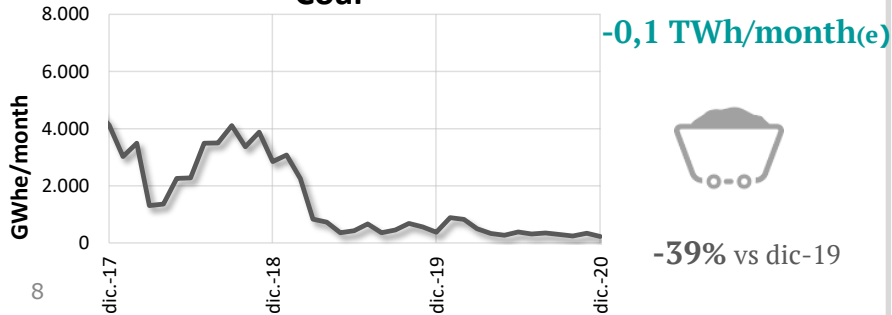
■ Generation gas mix

-5 GWh(e)/day

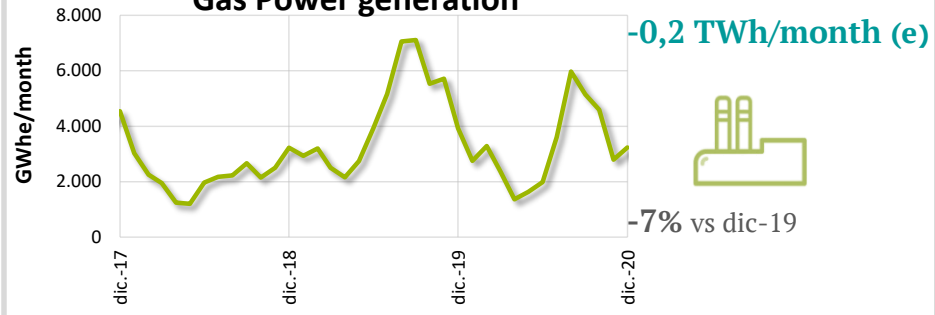
■ Generation coal mix

-6 GWh(e)/day

Coal



Gas Power generation



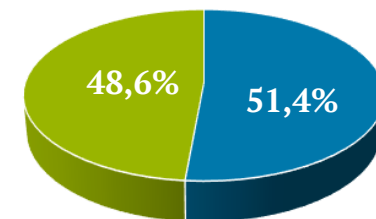
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2.1 Demand coverage: Origin of supplies

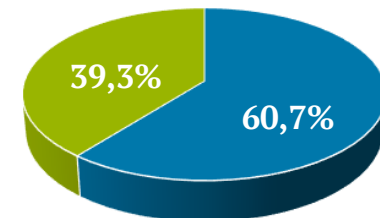
Unit: GWh		Monthly accumulated (*)		Annual accumulated (*)		Moving Annual Total (*)	
		Dic-2020	Dic-2019	Jan-Dec 2020	% s TOTAL	MAT: Jan 2020-Dec 2020	% s TOTAL
Algeria	NG	12.930	15.804	100.631	29,1%	100.631	29,1%
	LNG	495	0	5.574		5.574	
France	NG	4.383	671	33.779	9,7%	33.779	9,7%
	LNG	0	0	1.804		1.804	
Angola	LNG	0	0	4.056	1,1%	4.056	1,1%
Cameroon	LNG	0	0	0	0,0%	0	0,0%
United States	LNG	4.070	3.213	58.014	15,9%	58.014	15,9%
Equatorial Guinea	LNG	1.008	975	10.569	2,9%	10.569	2,9%
Nigeria	LNG	7.997	885	44.195	12,1%	44.195	12,1%
Norway	LNG	0	926	5.520	1,5%	5.520	1,5%
Peru	LNG	0	0	1.875	0,5%	1.875	0,5%
Qatar	LNG	880	1.783	32.248	8,8%	32.248	8,8%
Russia	LNG	1.628	1.064	38.133	10,4%	38.133	10,4%
Trinidad	LNG	0	1.705	24.087	6,6%	24.087	6,6%
Oman	LNG	0	0	0	0,0%	0	0,0%
Belgium	LNG	0	0	0	0,0%	0	0,0%
Argentina	LNG	0	0	1.691	0,5%	1.691	0,5%
Egypt	LNG	0	0	968	0,3%	968	0,3%
National deposits	NG	42	75	464	0,1%	464	0,1%
National Biogas	NG	10	8	103	0,0%	103	0,0%
TOTAL		33.761	27.288	365.569	100%	365.569	100%

December 2020



■ Total NG ■ Total LNG

December 2019

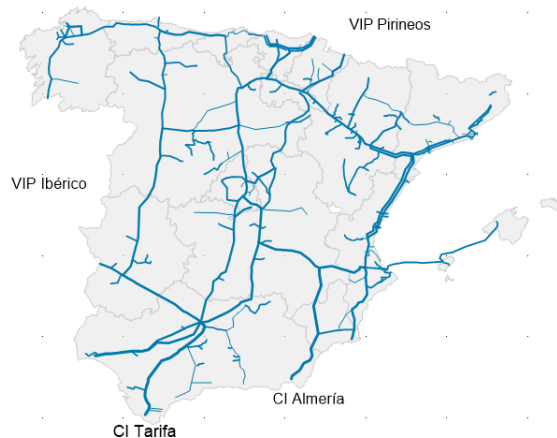
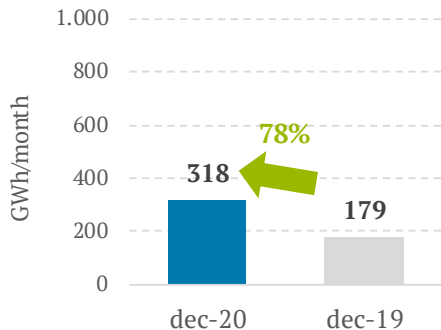


■ Total NG ■ Total LNG

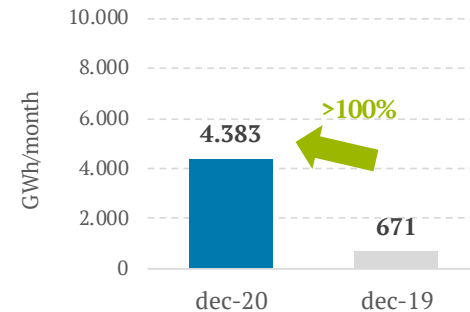
(*) SL-ATR distribution data

2.2 Demand coverage : Interconnection Points

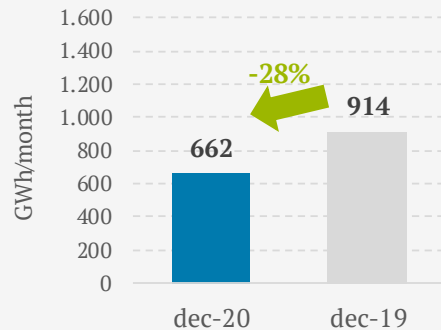
VIP IBÉRICO (imports)



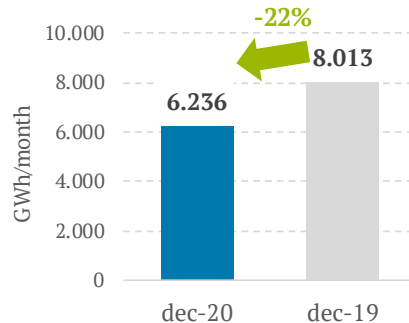
VIP PIRINEOS (imports)



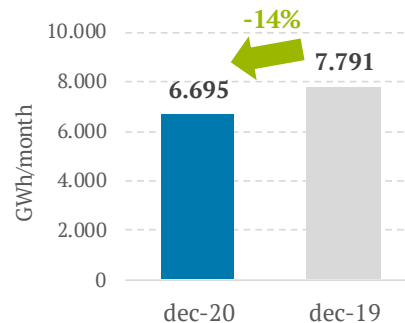
VIP IBÉRICO (exports)



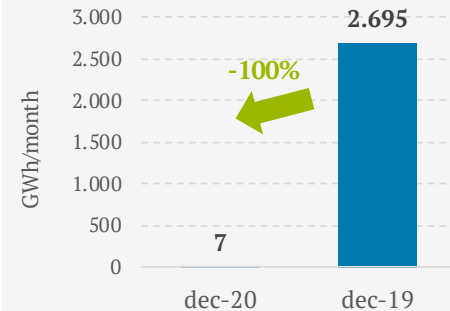
TARIFA



ALMERÍA



VIP PIRINEOS (exports)



2.2 Demand coverage : Interconnection Points

Net Balances (*)

GWh	Monthly accumulated			Annual accumulated		Moving Annual Total	
	Dec-2020	Dec-2019	%Δ s/2019	Jan-Dec 2020	%Δ s/2019	MAT: Jan 2020-Dec 2020	%Δ MAT vs 2019
Tarifa	6.236	8.013	-22,2%	40.785	-29,3%	40.785	-29,3%
Almería	6.695	7.791	-14,1%	59.847	-12,8%	59.847	-12,8%
VIP Ibérico	-344	-735	-53,2%	-4.460	-16,2%	-4.460	-16,2%
VIP Pirineos	4.376	-2.024	<100%	28.092	-37,2%	28.092	-37,2%
National Deposits	42	75	-43,3%	464	-65,7%	464	-65,7%
Biogas	10	8	24,8%	103	8,1%	103	8,1%
Total	17.015	13.128	29,6%	124.830	-25,3%	124.830	-25,3%

(+) Entry flows (-) Exit flows

(*) SL-ATR distribution data

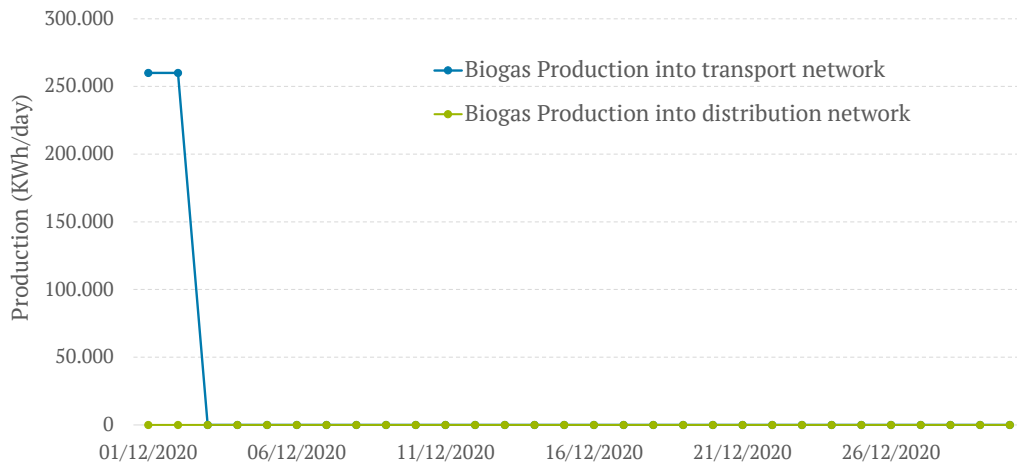
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3. Renewable gases

BIOGAS production for transport and distribution network

Unidad: GWh	Monthly Accumulated			Annual Accumulated		Moving Annual Total	
	Dec-2020	Dec-2020	%Δ s/2019	Jan-Dec 2020	%Δ s/2019	MAT: Jan 2020-Dec 2020	%Δ s/2019
BIOGÁS injected into transport network	10,1	8,1	24,8%	102,8	8,1%	102,8	8,1%
BIOGÁS injected into distribution network	0,0	0,3	-100,0%	2,1	>100%	2,1	>100%
Total	10,1	8,3	20,5%	104,8	9,3%	104,8	9,3%



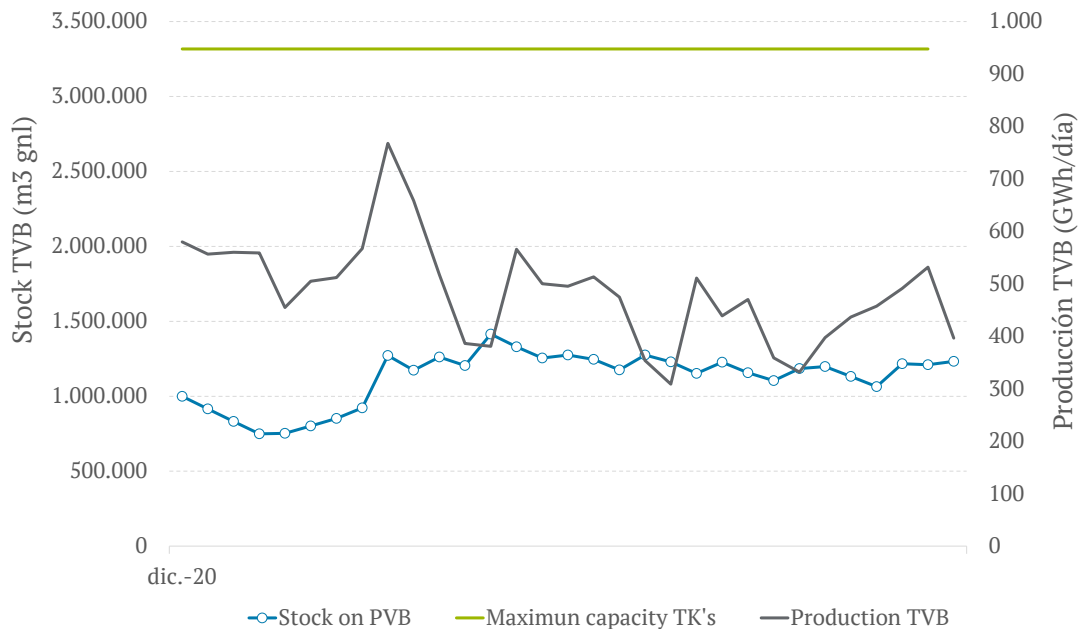
(*) SL-ATR distribution data

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4. TVB activity

TVB Stock evolution and TVB production



December 2020

	GWh/month
Total capacity	57.450
Contracted capacity TVB	14.823
Available capacity	42.627
Commercial regasification	13.740

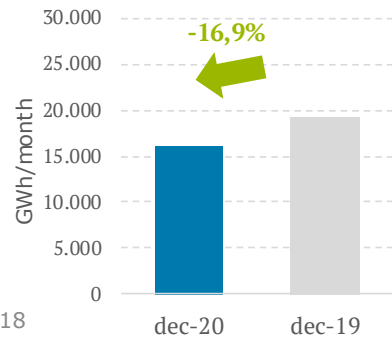
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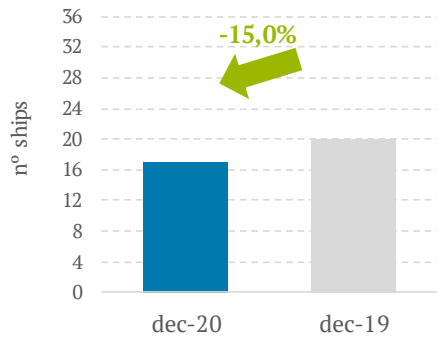
5. Regasification plants activity

GWh	Ships Unloaded			Number of Ships Unloaded			Ships Loaded			LNG Trucks		
	Dec-2020	Dec-2019	%Δ s/Dec 2019	Dec-2020	Dec-2019	%Δ s/Dec 2019	Dec-2020	Dec-2019	%Δ s/Dec 2019	Dec-2020	Dec-2019	%Δ s/Dec 2019
BARCELONA	3.382	3.966	-14,7%	4	4	0,0%	32	48	-33%	301	249	20,8%
HUELVA	4.103	4.591	-10,6%	4	5	-20,0%	0	27	<100%	261	250	4,5%
CARTAGENA	1.927	2.890	-33,3%	2	3	-33,3%	0	0	-	285	247	15,1%
BILBAO	1.939	3.696	-47,5%	2	4	-50,0%	0	0	-	105	104	1,5%
SAGUNTO	2.043	2.018	1,2%	2	2	0,0%	0	0	-	192	141	35,9%
MUGARDOS	2.683	2.194	22,3%	3	2	50,0%	0	0	-	128	132	-3,1%
Total	16.078	19.355	-16,9%	17	20	-15,0%	32	75	-57%	1.272	1.123	13,2%

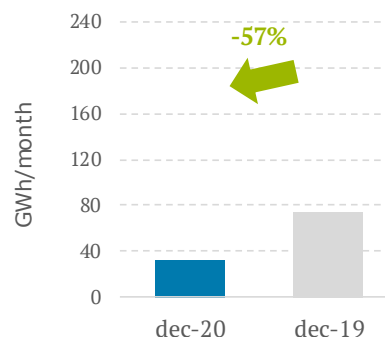
SHIPS UNLOADED



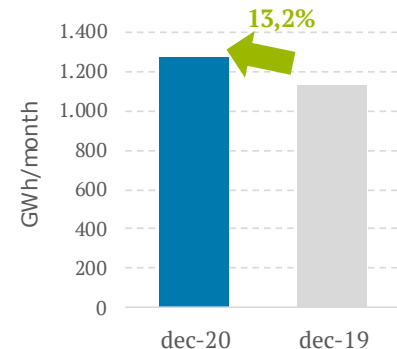
NUMBER OF SHIPS UNLOADED



SHIPS LOADED



LNG TRUCKS

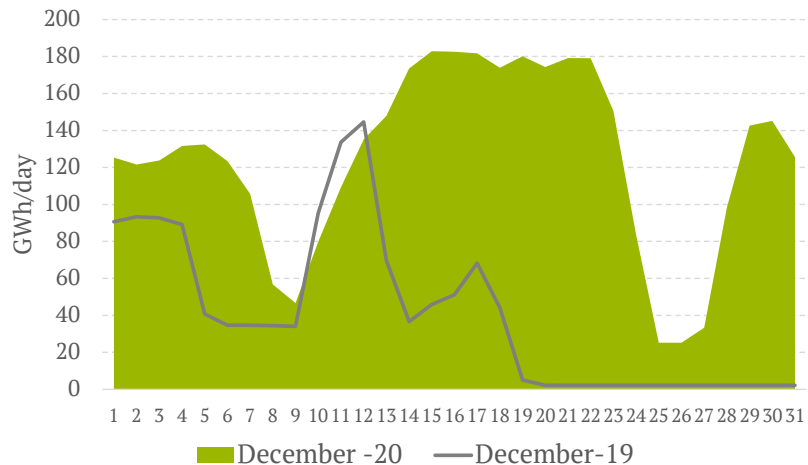


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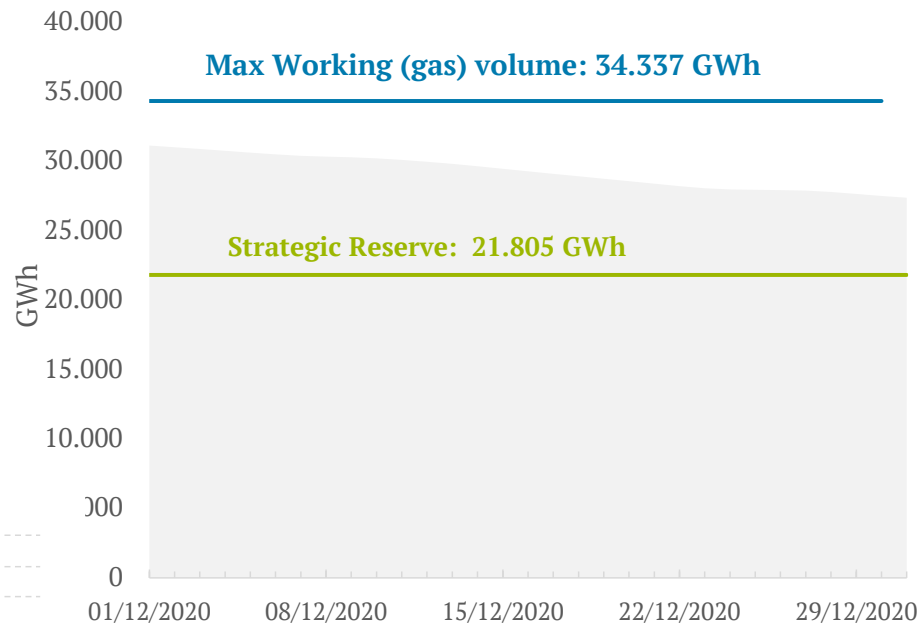
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6. UGS Activity

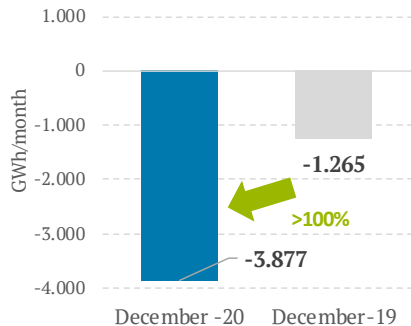
Daily injection December 2020 vs December 2019



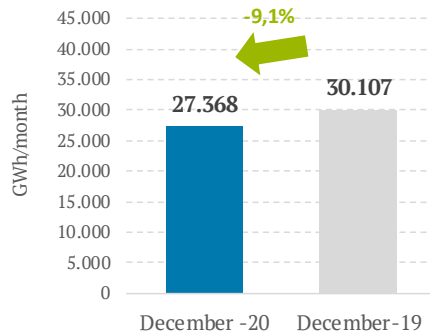
Working (gas) evolution



Withdrawal



Working (gas) volumes



(*) SL-ATR distribution data

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7. Operating notes and other relevant facts

Operating notes:

In December 2020, **two Operation notes** have been published:

- ❖ nota de operación n°5 related **Warning of low temperatures**
- ❖ nota de operación n° 6 related **Cold Snap**

Gas system operation and programming

Operation notes

The operating notes are available on this page



Relevant facts:

- ❑ No relevant facts have been produced this month

Thank you

