

Italy North LTCC yearly report

Legal basis - Article 12(4) of LTCCM

Italy North TSOs and the Technical Counterparty shall publicly make available the following reports:

- a. a yearly report issued by mid-December Y-1, providing the distribution of the samples relevant for long term capacity calculation in Y, the chosen risk level and the appropriate justifications, the correction to the samples to take into account historical planned outages and the new investments, the estimated profile of future planned outages in Y and the estimated profile of allocation constraints;
- b. a yearly report issued by January Y+1 comparing the estimated profile of planned outages and allocation constraints adopted for long term capacity calculation with the effective profile of such outages and constraints occurred in Y;
- c. a specific report in case a fallback procedure is triggered either in yearly or monthly capacity calculation.

The yearly report shall have been provided by mid-December but due to high load of work for the Go-Live of Yearly capacity computation and monthly in December, the LTCC PT has chosen to postpone it by the beginning of the year 2022.

According to the Article 12(4)(a) the following information shall be provided:

- distribution of the samples relevant for long term capacity calculation in Y;
- the chosen risk level and the appropriate justifications;
- the correction to the samples to take into account historical planned outages;
- the new investments;
- the estimated profile of future planned outages in Y;

Chosen risk level per season

Intervalle : start -> end Season	2018-10-31 -> 2021-10-31							
	SOP		SP		WOP		WP	
	NTC	Risk Level [%]	NTC	Risk Level [%]	NTC	Risk Level [%]	NTC	Risk Level [%]
AT▶IT	207	0.029881	194	0.0299482	90	0.0298850	90	0.0299479
CH▶IT	2590	0.029881	2777	0.0299482	2696	0.0298850	3252	0.0299479
FR▶IT	1927	0.029881	1926	0.0299482	2033	0.0298850	2144	0.0299479
SI▶IT	370	0.029881	366	0.0299482	397	0.0298850	461	0.0299479
IT▶AT	100	0.029881	80	0.0299482	145	0.0298850	100	0.0299479
IT▶CH	1660	0.029881	1440	0.0299482	1910	0.0298850	1810	0.0299479
IT▶FR	1055	0.029881	870	0.0299482	1160	0.0298850	995	0.0299479
IT▶SI	645	0.029881	620	0.0299482	680	0.0298850	660	0.0299479

No new grid investments has been integrated into the computations for 2022.

Reduction periods per direction

CH-IT

	Month and number of hours of reduction											
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Déc.
Reduction volume												
75											459	
120	73	255										
160	112	362										
195											10	
200	106						308	56				
250								80				
275								111				
300			61									
320							20					
350								73				
400								32				
600			72									
800			97									50
900			32		553	14	354					
975						591			14	119	244	
1000												32
1020					54				15			
1050									1			
1095						10						
1100			73		48							
1175						95			230			
1200				112						14		
1220									96			
1250				104				40	73			
1275									32	105		
1295						10						
1300				24								
1320									112	25		
1340									58			
1360										16		
1400				120								
1450				96				96				
1475								24				
1500			25	105								
1550				48								
1675								146				
1700			64	105								
1875										466		
2300					16			9	7			
2350								8				
2375									34			
2500					42			22				
2575								32	48			

IT-CH

No NTC reduction is foreseen for the whole year 2022.

FR-IT

Reduction volume	Month and number of hours of reduction							
	Jan.	Feb.	March	April	May	June	Aug.	Oct.
300				48	106			
900		17	593	58				
1300	17	41			41	253		106
1400							320	

IT-FR

No NTC reduction is foreseen for the whole year 2022.

AT-IT

Reduction volume	Month and number of hours of reduction	
	August	October
65	17	
215		104
230		169

IT-AT

Reduction volume	Month and number of hours of reduction	
	August	October
10	17	
85		169
100		104

SI-IT

Reduction volume	Month and number of hours of reduction	
	August	
475	104	
515	168	

IT-SI

Reduction volume	Month and number of hours of reduction	
	August	
620	186	
645	88	

Yearly product 2022

Border	Date	Yearly Flat	Yearly Base	PVP	Reduction periods	Volume of Energy
CH→IT	2022		1038	0,8	16	7274304
IT→CH	2022		324	1	0	2838240
IT→FR	2022		866	1	0	7586160
IT→SI	2022		126	0,967123288	1	1067472
IT→AT	2022		20	0,969863014	2	169920
FR→IT	2022	392	741	0,85216895	17	5531565
AT→IT	2022		90	0,909589041	17	717120
SI→IT	2022		329	0,882305936	20	2542841

Monthly product

January 2022

	CH->IT		FR->IT		AT->IT		SI->IT		IT->CH		IT->FR		IT->SI		IT->AT	
	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product
Monthly Base Offered Capacity [MW]	1133	1133	714	714	0	0	68	68	505	505	129	129	208	208	40	40
PVP	80,65%	80,65%	80,65%	80,65%	0,00%	0,00%	80,65%	80,65%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	3	3	4	4	0	0	3	3	0	0	0	0	0	0	0	0
Volume of Energy [MWh]	679800	679800	428400	428400	0	0	40800	40800	375720	375720	95976	95976	154752	154752	29760	29760
Monthly Peak Offered Capacity [MW]	556	556	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PVP	32,26 100,00%	91,67 100,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	200	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Volume of Energy [MWh]	133440	133440	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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February 2022

	CH->IT		FR->IT		AT->IT		SI->IT		IT->CH		IT->FR		IT->SI		IT->AT	
	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product	Foreseen Monthly Product	Actual Monthly Product
Monthly Base Offered Capacity [MW]	1213	1213	900	900	0	0	68	68	502	502	129	129	208	208	39	39
PVP	100,00%	96,43%	89,29%	89,15%	0,00%	0,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Volume of Energy [MWh]	815136	787237	540000	540000	0	0	45696	45764	337344	337846	86688	86817	139776	139984	26208	26247
Monthly Peak Offered Capacity [MW]	516	676	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PVP	35,71 100,00%	73,33 80,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

Number of Reduction Periods	200	171	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volume of Energy [MWh]	123840	129792	0	0	0	0	0	0	0	0	0	0	0	0	0	0

March 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	433	0	0	68	501	129	208	39
PVP	93,67%	0,00%	0,00%	96,77%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	2	0	0	1	0	0	0	0
Volume of Energy [MWh]	301368	0	0	48892	372243	95847	154544	28977
Monthly Peak Offered Capacity [MW]	356	0	0	0	0	0	0	0
PVP	37,15 100,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	023	0	0	0	0	0	0	0
Volume of Energy [MWh]	39962498256	0	0	0	0	0	0	0

April 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	83	900	0	68	504	129	208	40
PVP	90,00%	53,33%	0,00%	96,67%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	1	4	0	1	0	0	0	0
Volume of Energy [MWh]	53784	345600	0	47328	362880	92880	149760	28800
Monthly Peak Offered Capacity [MW]	339	0	0	0	0	0	0	0
PVP	94,74% 30,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	181	0	0	0	0	0	0	0
Volume of Energy [MWh]	73224	0	0	0	0	0	0	0

May 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	167	234	62	37	358	4	189	24
PVP	80,65%	83,87%	80,65%	100,00%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	2	5	5	0	0	0	0	0
Volume of Energy [MWh]	100200	146016	37200	27528	266352	2976	140616	17856
Monthly Peak Offered Capacity [MW]	277	0	0	0	0	0	0	0
PVP	80,65% 86,36%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	2 191	0	0	0	0	0	0	0
Volume of Energy [MWh]	63156	0	0	0	0	0	0	0

June 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	167	234	86	37	358	4	189	24
PVP	80,00%	86,67%	80,00%	96,67%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	2	4	5	1	0	0	0	0
Volume of Energy [MWh]	96192	146016	49536	25752	257760	2880	136080	17280
Monthly Peak Offered Capacity [MW]	289	0	0	0	0	0	0	0
PVP	90,48% 31,67%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	191	0	0	0	0	0	0	0
Volume of Energy [MWh]	65892	0	0	0	0	0	0	0

July 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	327	793	104	37	425	4	189	24
PVP	100,00%	96,77%	100,00%	96,77%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	0	1	0	1	0	0	0	0
Volume of Energy [MWh]	243288	570960	77376	26640	316200	2976	140616	17856
Monthly Peak Offered Capacity [MW]	237	0	0	0	0	0	0	0
PVP	33,87% 100,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	0 21	0	0	0	0	0	0	0
Volume of Energy [MWh]	59724	0	0	0	0	0	0	0

August 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	761	134	99	37	444	4	73	24
PVP	80,65%	96,77%	80,65%	54,84%	100,00%	100,00%	61,29%	100,00%
Number of Reduction Periods	4	1	3	2	0	0	1	0
Volume of Energy [MWh]	456600	96480	59400	15096	330336	2976	33288	17856
Monthly Peak Offered Capacity [MW]	216	0	0	0	0	0	0	0
PVP	80,65% 86,36%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	4 191	0	0	0	0	0	0	0
Volume of Energy [MWh]	49248	0	0	0	0	0	0	0

September 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	87	793	104	37	442	4	189	24
PVP	90,00%	96,67%	96,67%	96,67%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	1	1	1	1	0	0	0	0
Volume of Energy [MWh]	56376	551928	72384	25752	318240	2880	136080	17280
Monthly Peak Offered Capacity [MW]	187	0	0	0	0	0	0	0
PVP	90,91% <u>33,33%</u>	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	2 <u>1</u>	0	0	0	0	0	0	0
Volume of Energy [MWh]	44880	0	0	0	0	0	0	0

October 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	258	900	0	68	603	129	208	15
PVP	93,56%	83,89%	0,00%	100,00%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	1	1	0	0	0	0	0	0
Volume of Energy [MWh]	179826	562500	0	50660	449235	96105	154960	11175
Monthly Peak Offered Capacity [MW]	556	0	0	0	0	0	0	0
PVP	100,00% 33,83%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	210	0	0	0	0	0	0	0
Volume of Energy [MWh]	140112	0	0	0	0	0	0	0

November 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	558	900	0	68	603	129	208	40
PVP	100,00%	93,33%	0,00%	93,33%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	0	2	0	2	0	0	0	0
Volume of Energy [MWh]	401760	604800	0	45696	434160	92880	149760	28800
Monthly Peak Offered Capacity [MW]	556	0	0	0	0	0	0	0
PVP	100,00% 35,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	<u>210</u>	0	0	0	0	0	0	0
Volume of Energy [MWh]	140112	0	0	0	0	0	0	0

December 2022

This product has not been computed when this report is published, consequently the actual monthly product is unavailable.

	CH->IT	FR->IT	AT->IT	SI->IT	IT->CH	IT->FR	IT->SI	IT->AT
	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product	Foreseen Monthly Product
Monthly Base Offered Capacity [MW]	1533	900	0	68	604	129	208	40
PVP	80,65%	93,55%	0,00%	96,77%	100,00%	100,00%	100,00%	100,00%
Number of Reduction Periods	2	1	0	1	0	0	0	0
Volume of Energy [MWh]	919800	626400	0	48960	449376	95976	154752	29760
Monthly Peak Offered Capacity [MW]	556	0	0	0	0	0	0	0
PVP	100,00% 32,26%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%
Number of Reduction Periods	<u>200</u>	0	0	0	0	0	0	0
Volume of Energy [MWh]	133440	0	0	0	0	0	0	0