

Europe gas inventories and prices

Selected indicators

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REUTERS

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EU28 (including UK) natural gas storage

	Post-winter minimum storage		Post-summer maximum storage		Total days	Refill	
	Date	TWh	Date	TWh		TWh	Rate per day
2012	Mar 16	328	Oct 25	759	223	+431	+1.93
2013	Apr 12	207	Nov 3	791	205	+584	+2.85
2014	Mar 28	439	Oct 26	912	212	+474	+2.23
2015	Apr 9	275	Oct 12	879	186	+604	+3.25
2016	Mar 30	371	Oct 9	1005	193	+634	+3.28
2017	Mar 28	285	Oct 29	976	215	+691	+3.21
2018	Mar 31	194	Oct 27	959	210	+765	+3.64
2019	Mar 21	447	Oct 28	1095	221	+648	+2.93
2020	Mar 31	609	Oct 11	1079	194	+470	+2.42
2021	Apr 19	327	Oct 21	868	185	+541	+2.92
2022	Mar 19	291	Nov 13	1079	239	+788	+3.30
2023	Mar 17	630	Nov 6	1146	234	+516	+2.21
Median (2012- 2021)		328		936	208	+594	+2.93

Source: Gas Infrastructure Europe
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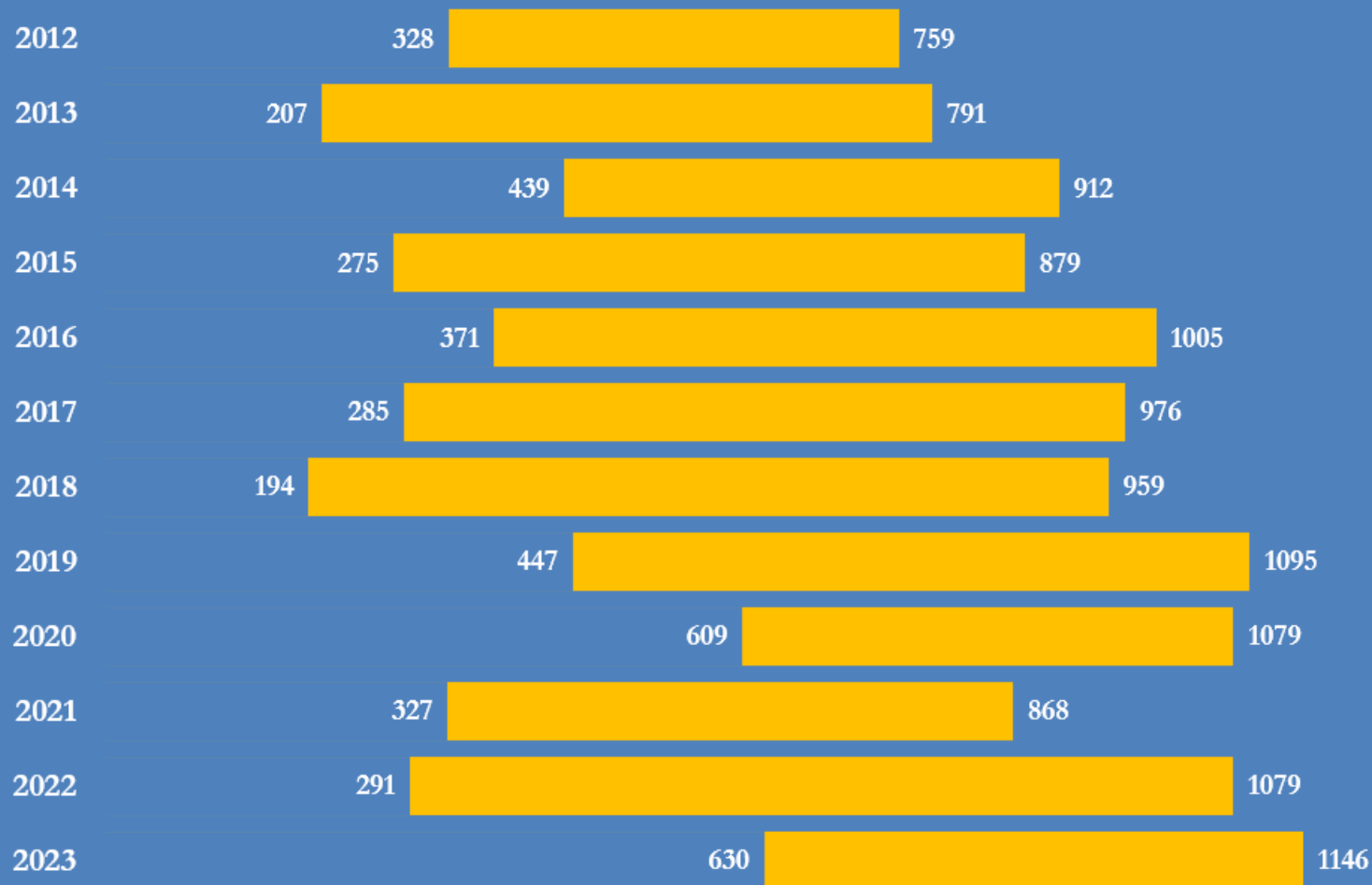
EU28 natural gas storage

Date of peak pre-winter storage

2016	Oct 9	
2020	Oct 11	
2015	Oct 12	
2021	Oct 21	
2012	Oct 25	
2014	Oct 26	Median (2011-2021)
2018	Oct 27	
2019	Oct 28	
2017	Oct 29	
2013	Nov 3	
2023	Nov 6	
2011	Nov 12	
2022	Nov 13	

Source: Gas Infrastructure Europe
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European Union and United Kingdom gas storage TWh, post-winter minimum to post-summer maximum storage

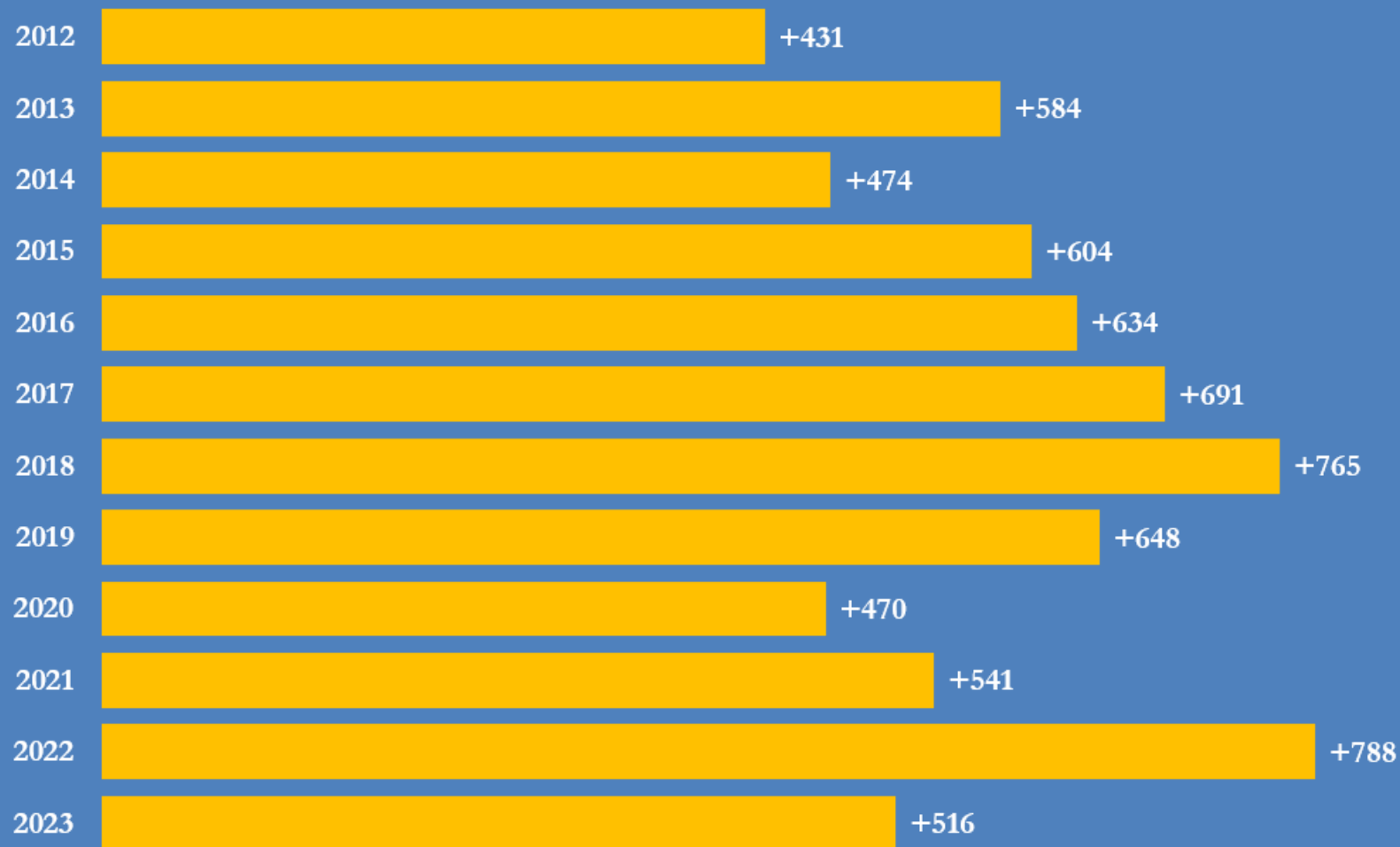


Source: Gas Infrastructure Europe

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EU28 natural gas storage

TWh, total refill from post-winter low to post-summer peak

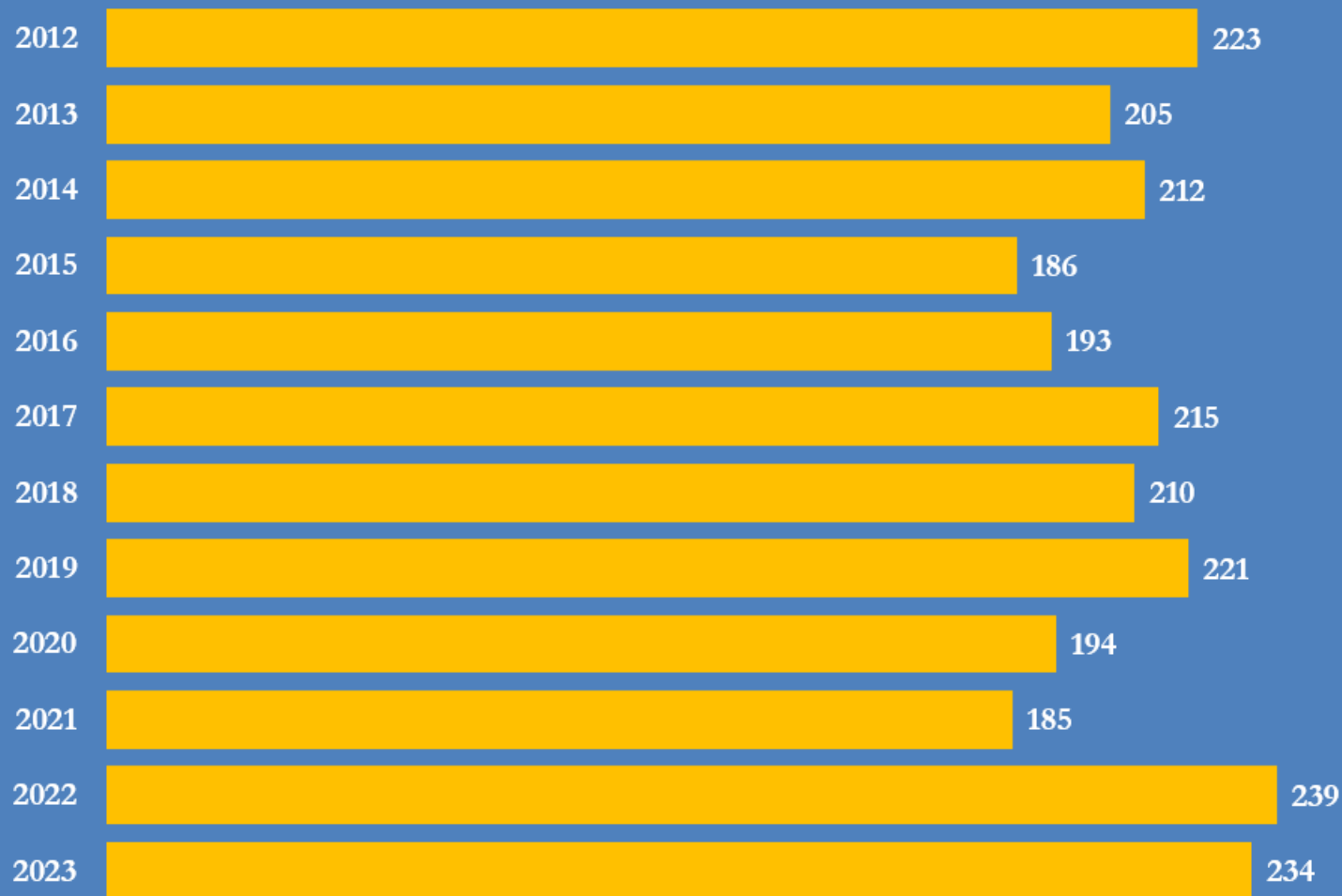


Source: Gas Infrastructure Europe

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EU28 natural gas storage

Days, total length of refill season

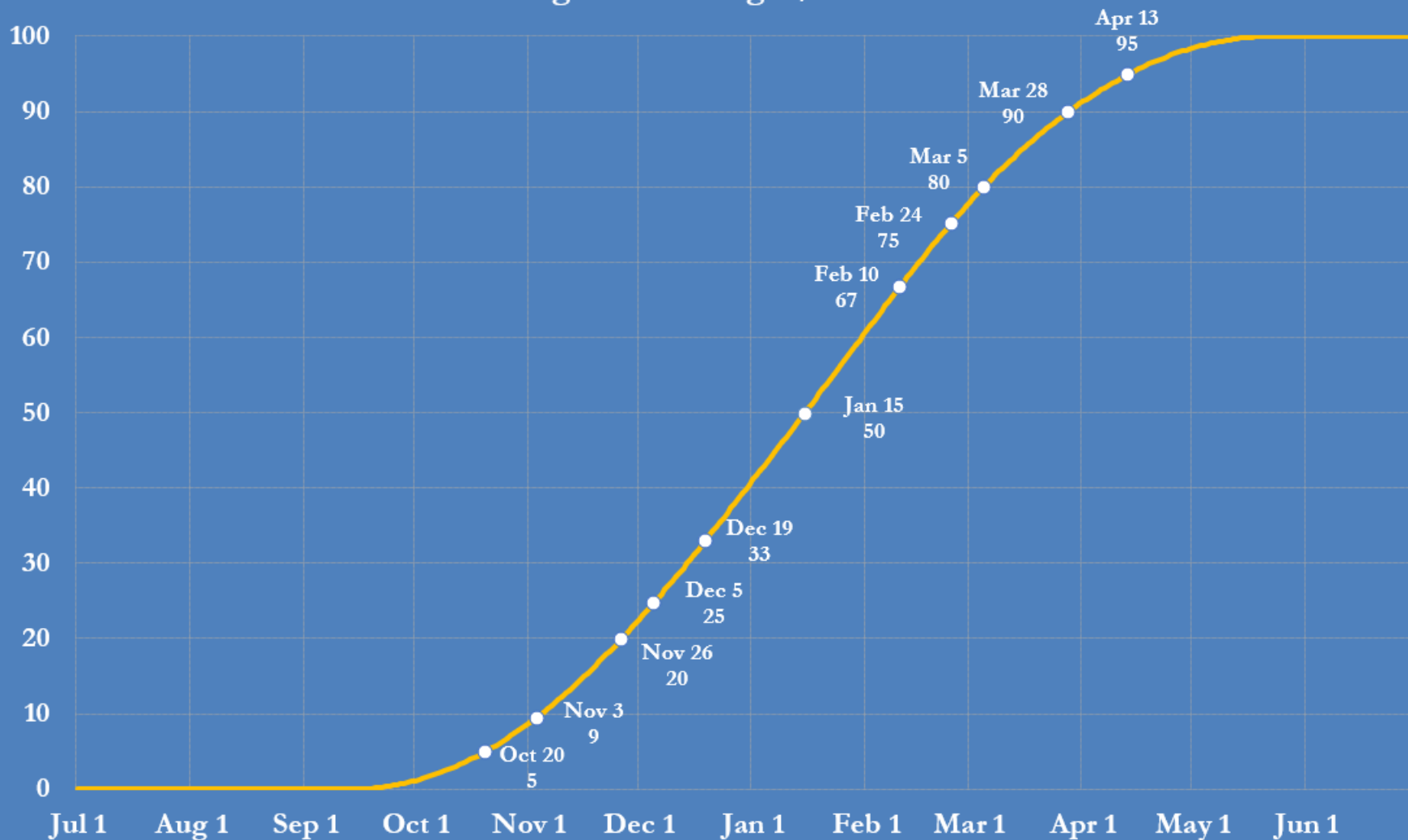


Source: Gas Infrastructure Europe

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Northwest Europe annual heating demand

Frankfurt-am-Main, heating degree days, cumulative percentage of total based on long-term averages/climate normals

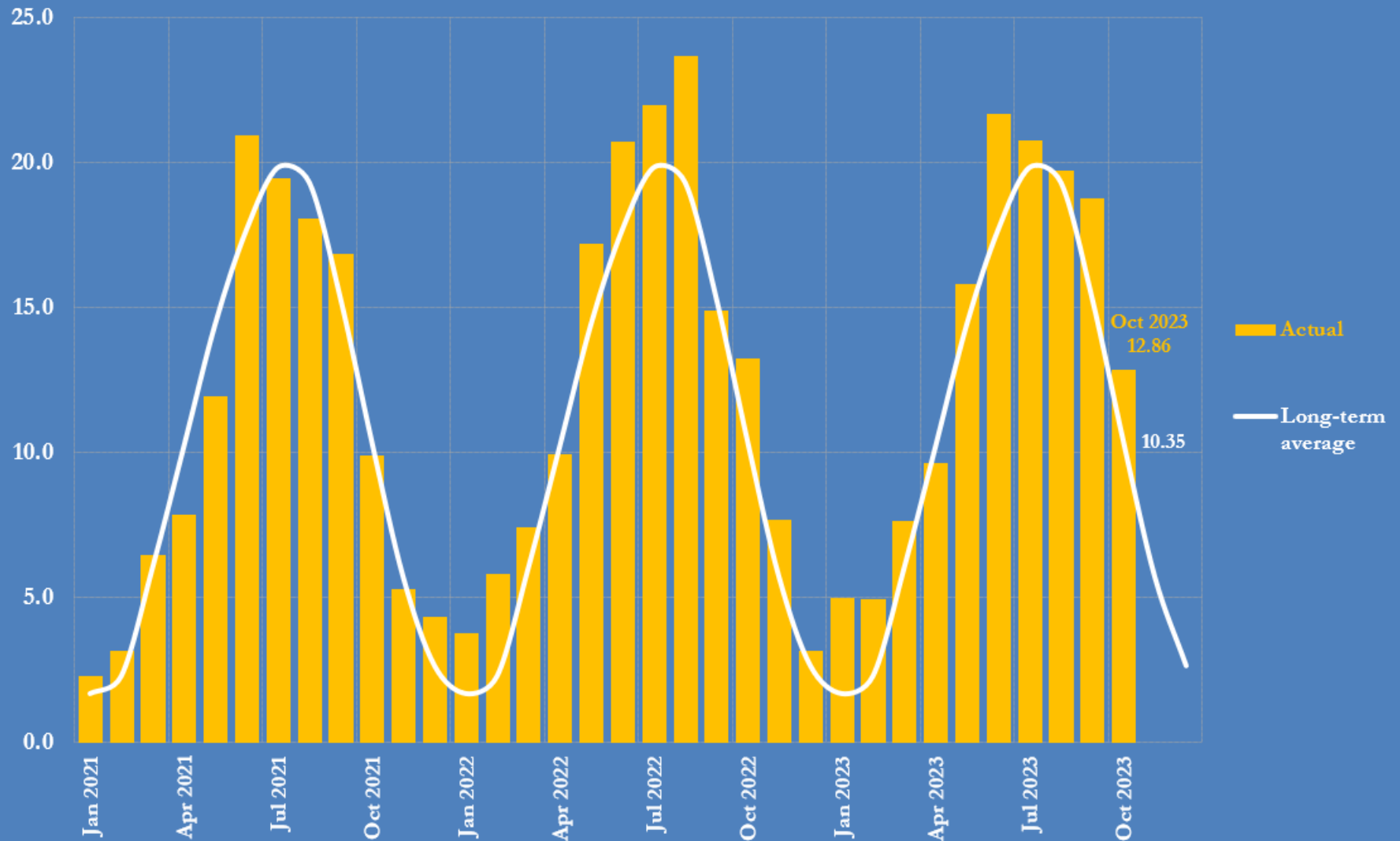


Source: U.S. Climate Assessment Database

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Frankfurt-am-Main (Germany) average monthly temperatures, 2022-2023

°C, mean daily temperature, monthly average and long-term normal

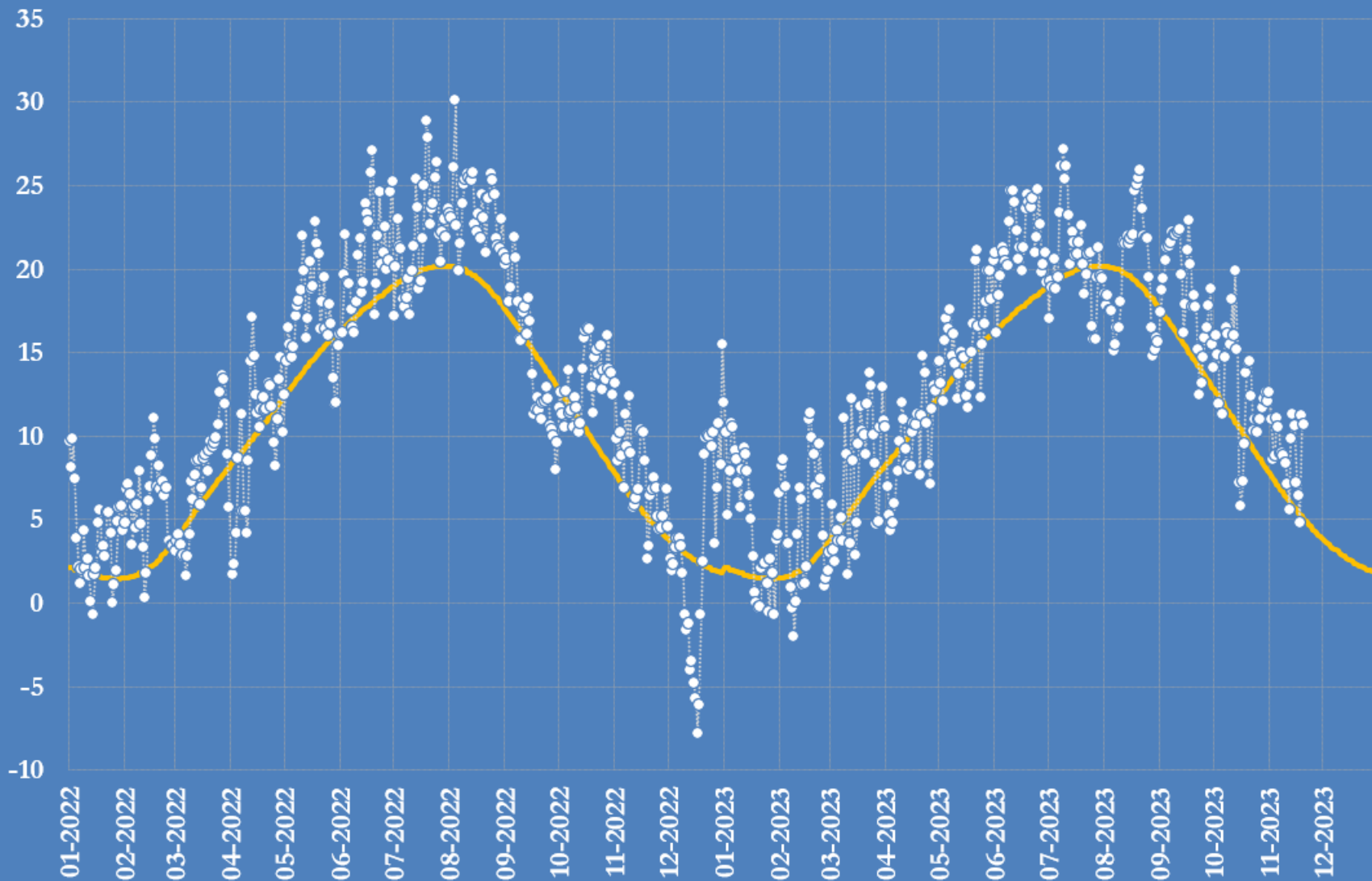


Sources: U.S. Climate Prediction Center and Meteostat

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Frankfurt-am-Main (Germany) temperatures, 2022-2023

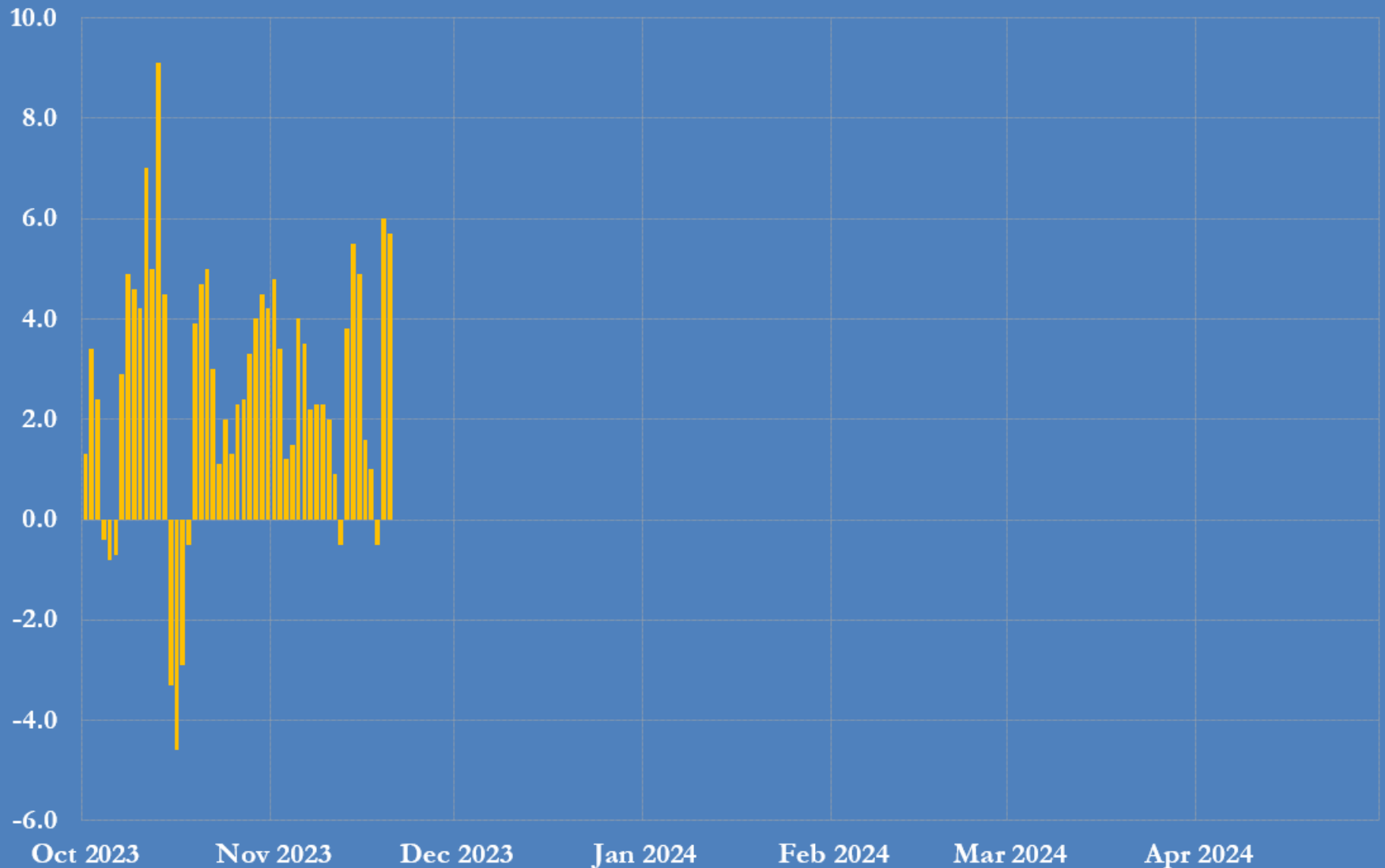
°C, daily average compared with long-term normal (1981-2010)



Source: U.S. Climate Assessment Database

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Frankfurt-am-Main (Germany) temperatures, 2023/24 °C, daily average, deviation from long-term normal (1981-2010)



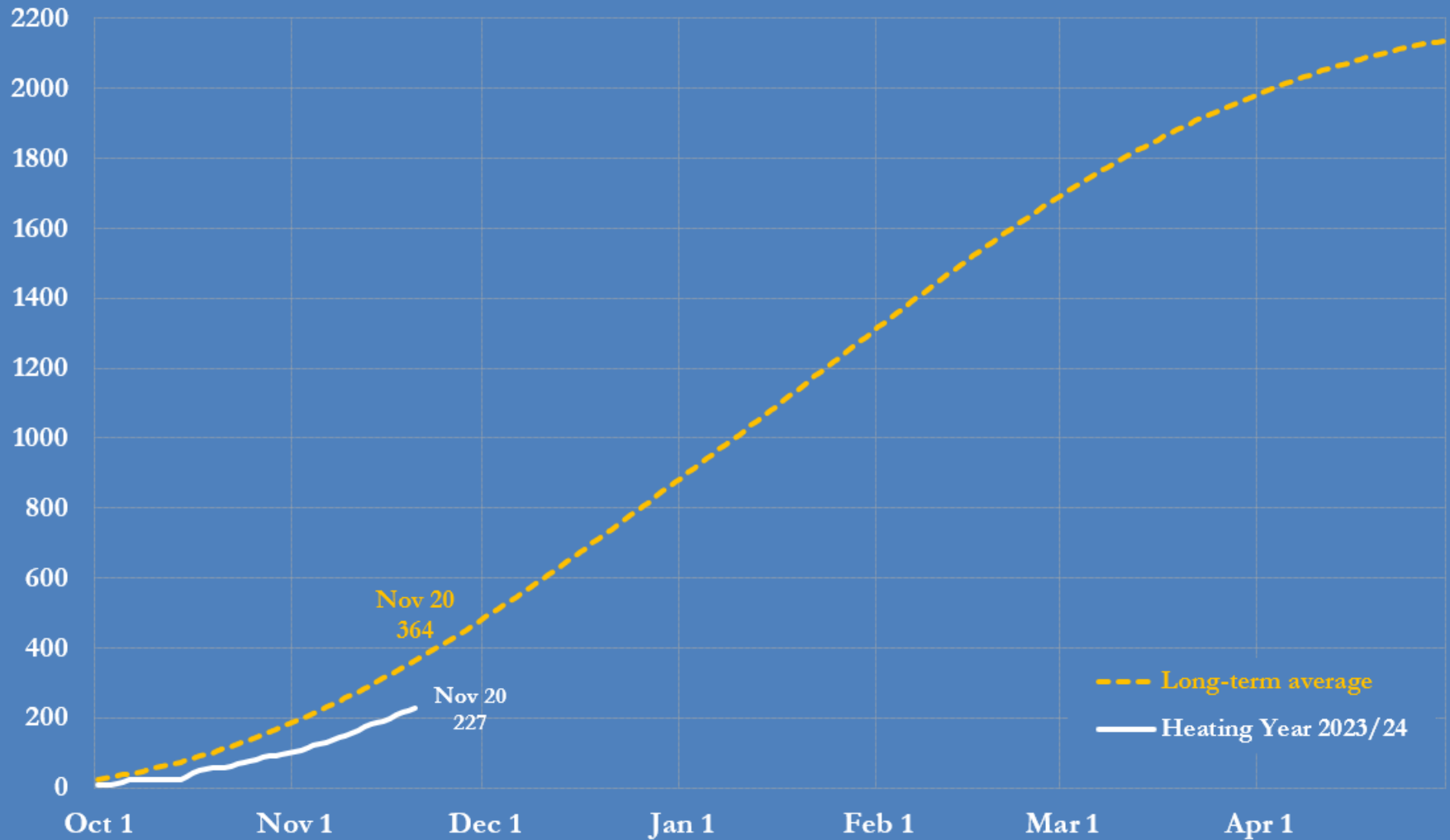
Source: U.S. Climate Assessment Database

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Northwest Europe annual heating demand

Frankfurt-am-Main, heating degree days, cumulative

long-term average and 2023/24 heating year

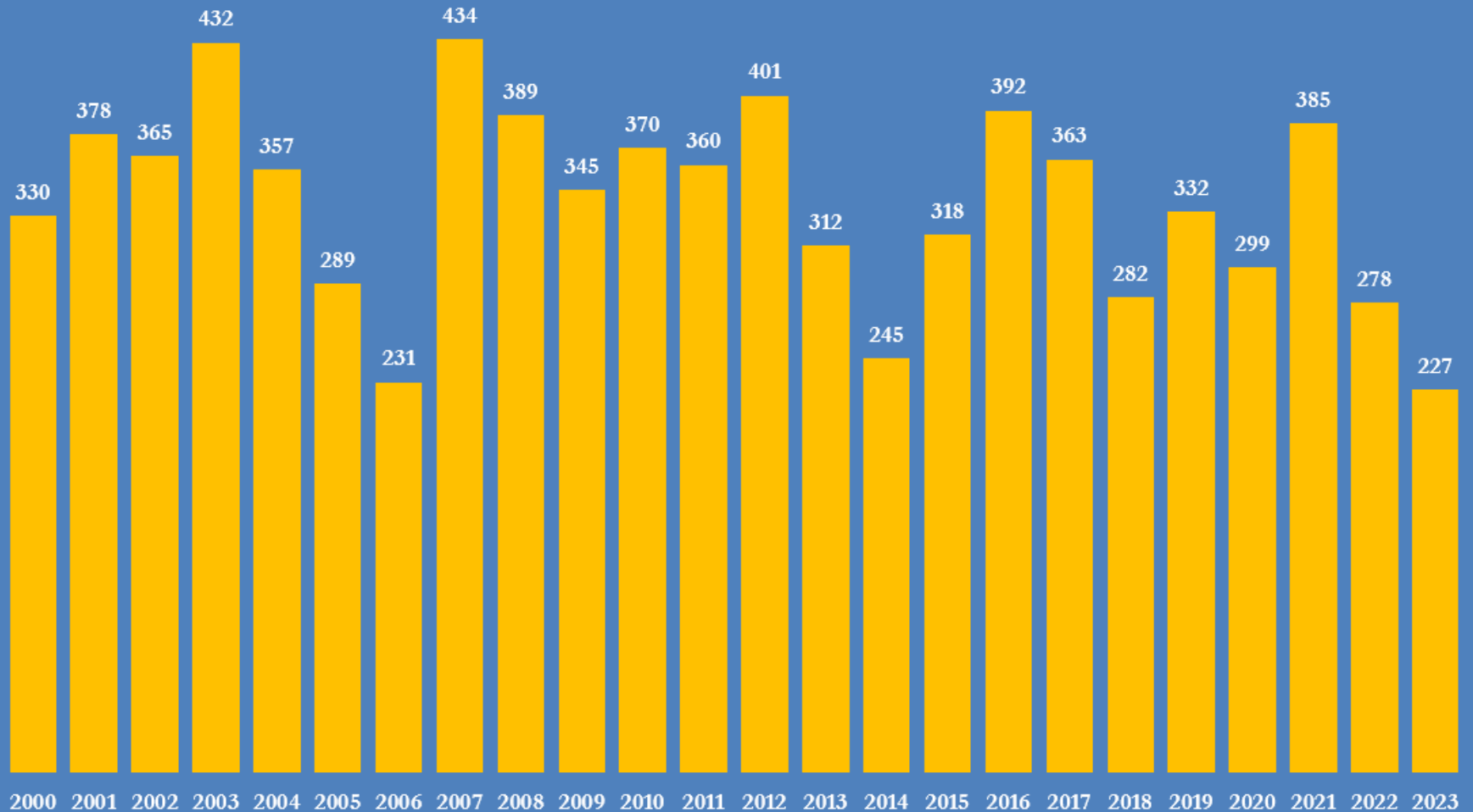


Source: U.S. Climate Assessment Database

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Frankfurt (Germany), annual heating demand, 2000-2023

heating degree days occuring on or before November 20

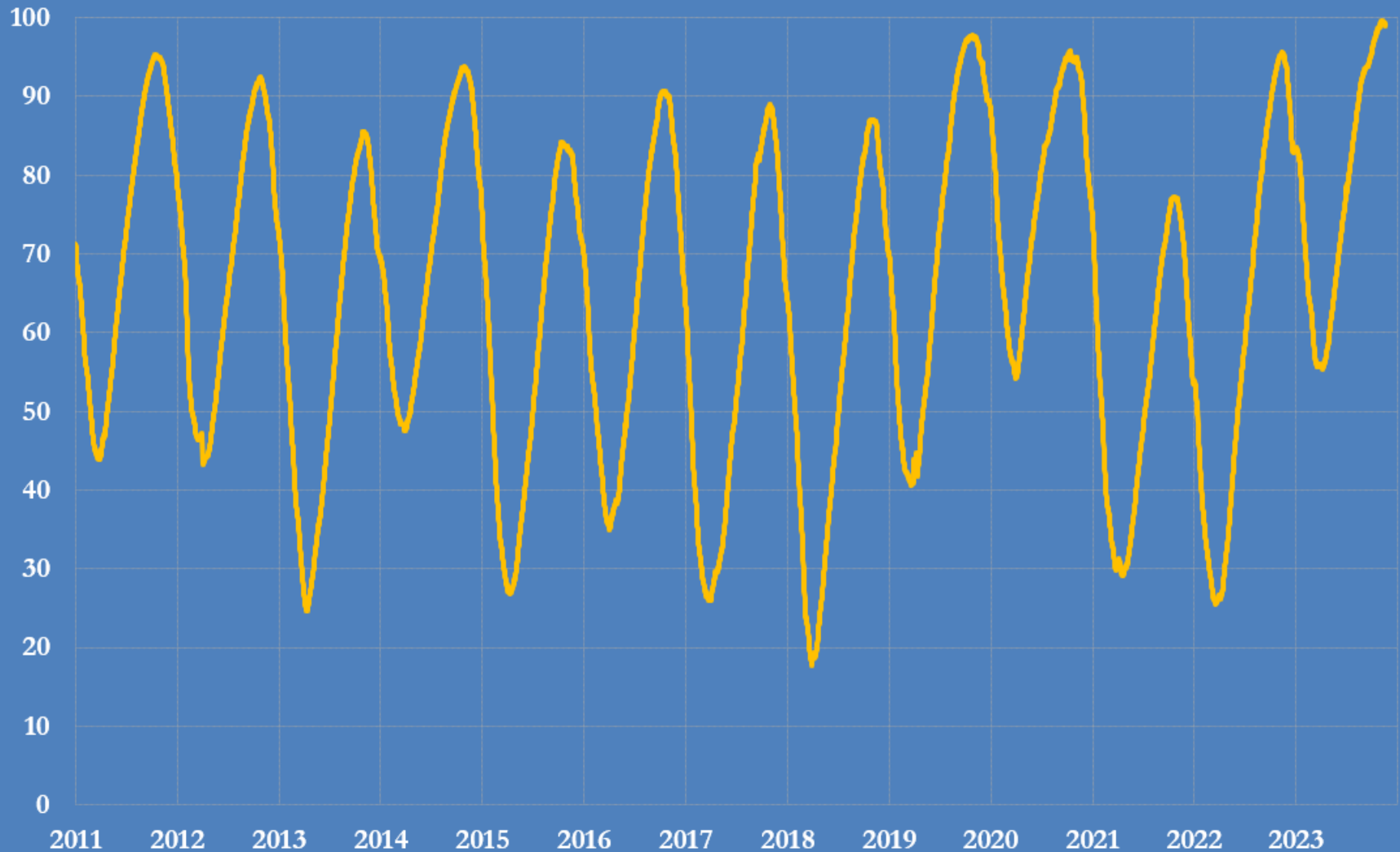


Source: Meteostat

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European Union gas storage, 2011-2023

inventories as percent of maximum storage capacity

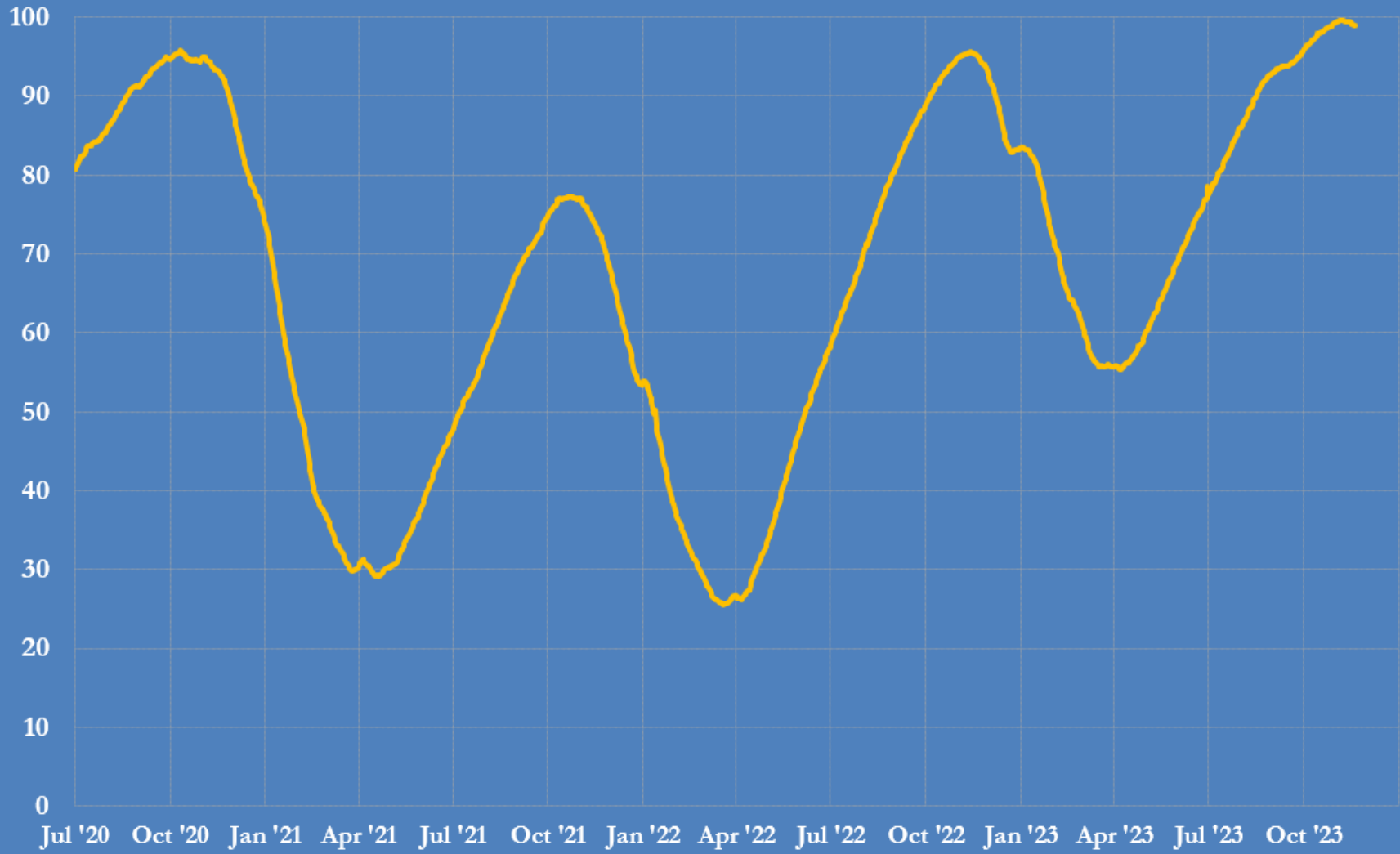


Source: Gas Infrastructure Europe

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European Union gas storage, 2020-2023

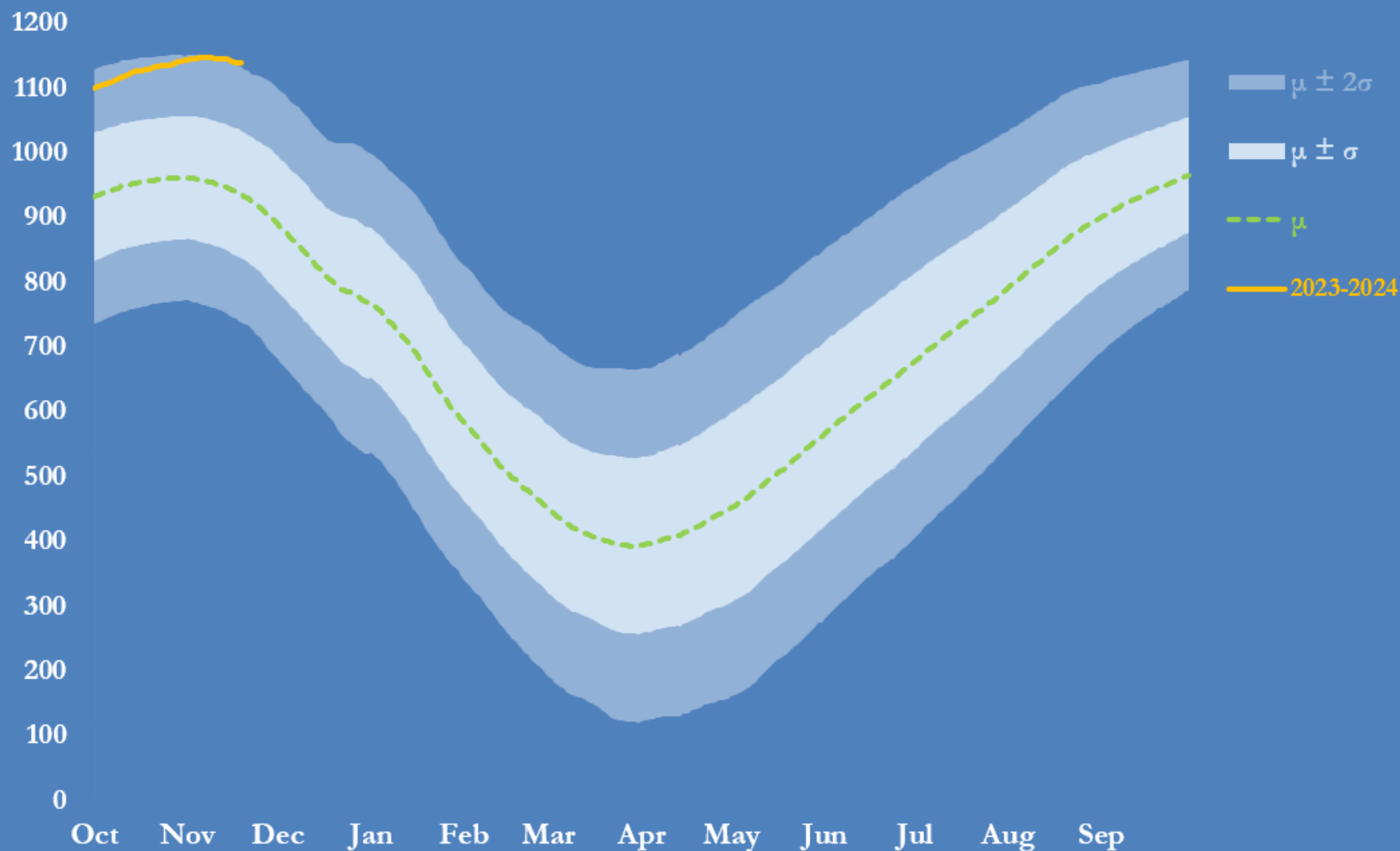
inventories as percent of maximum storage capacity



Source: Gas Infrastructure Europe

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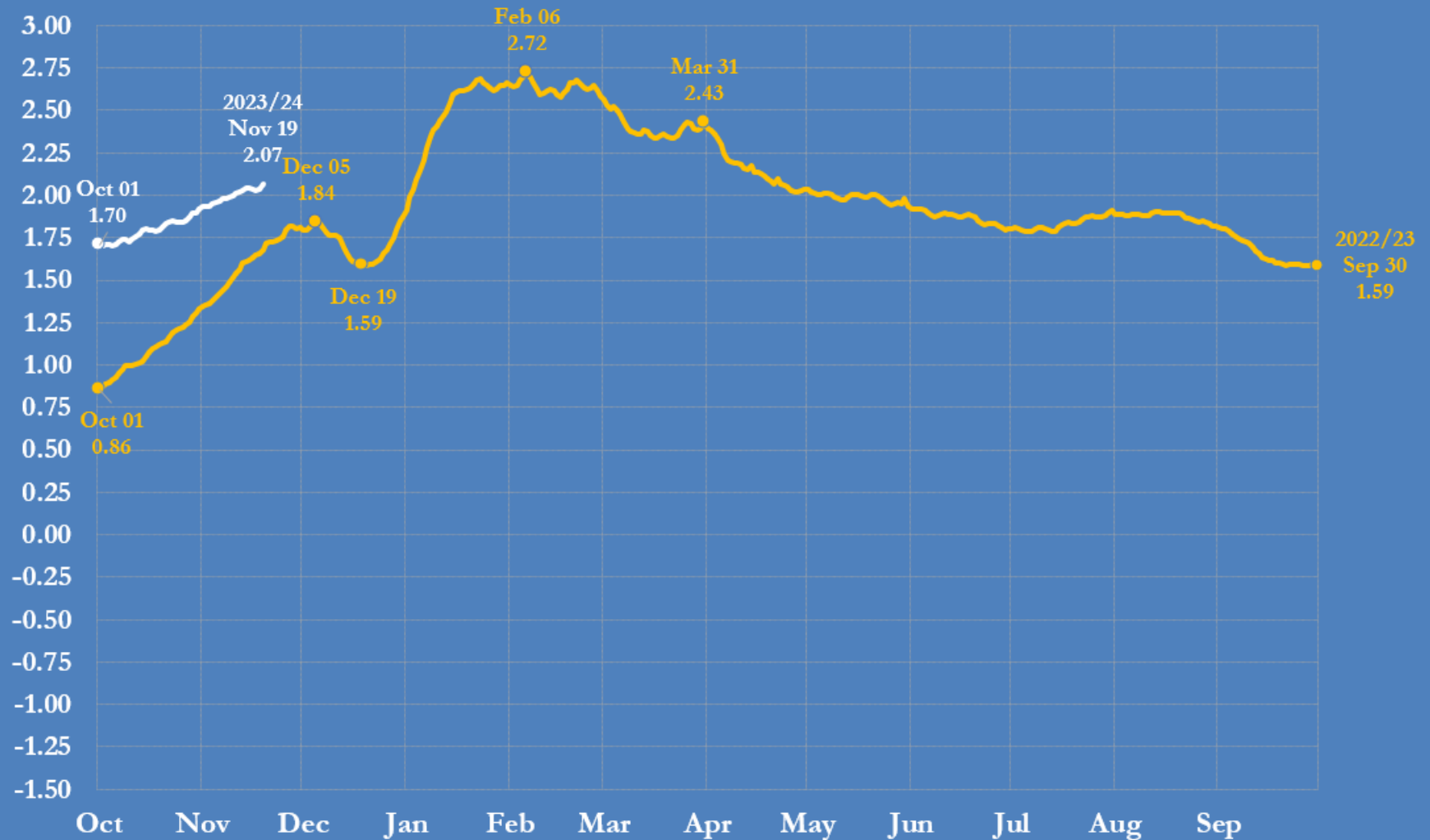
EU28 natural gas inventories, 2013/14 to 2023/24 daily, TWh, prior ten-year average and standard deviations



Source: Gas Infrastructure Europe

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EU28 natural gas inventories, 2022/23 and 2023/24 z-score, standard deviations away from ten-year average/normal

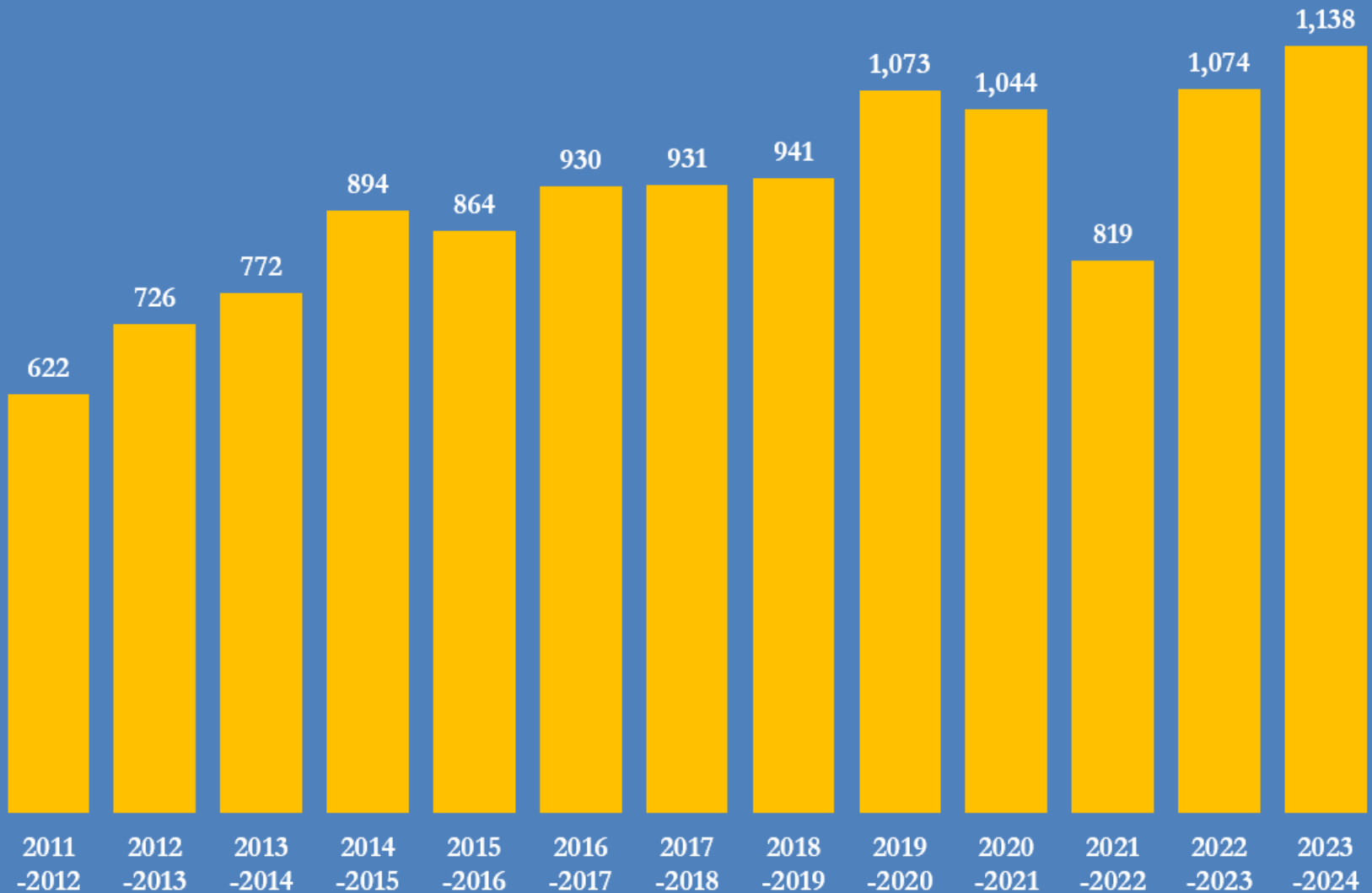


Source: Gas Infrastructure Europe

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European natural gas storage, 2012-2023

TWh, storage each year on November 19

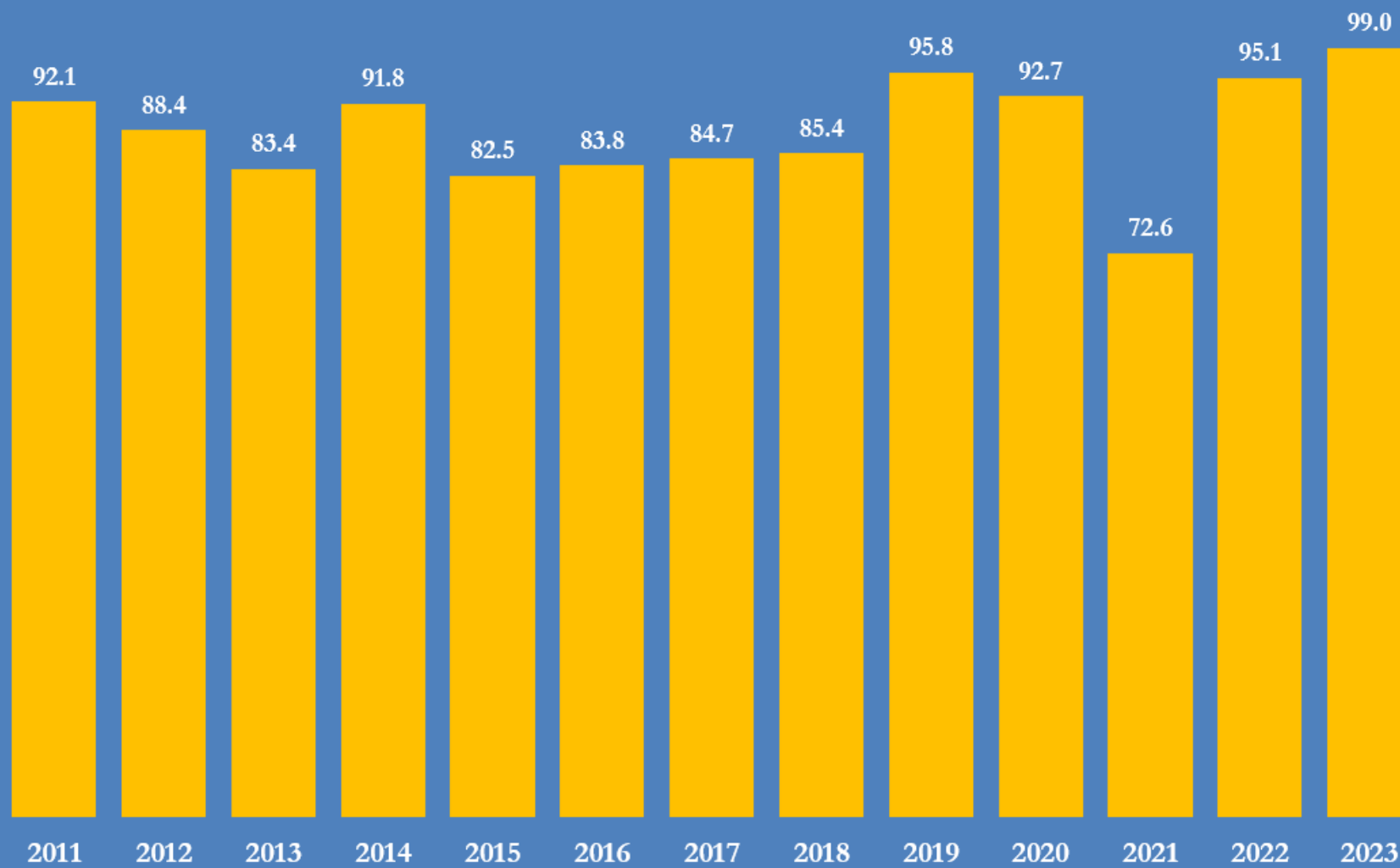


Source: Gas Infrastructure Europe

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European Union gas storage, 2011-2023

inventories as percent of storage capacity, each year on November 19

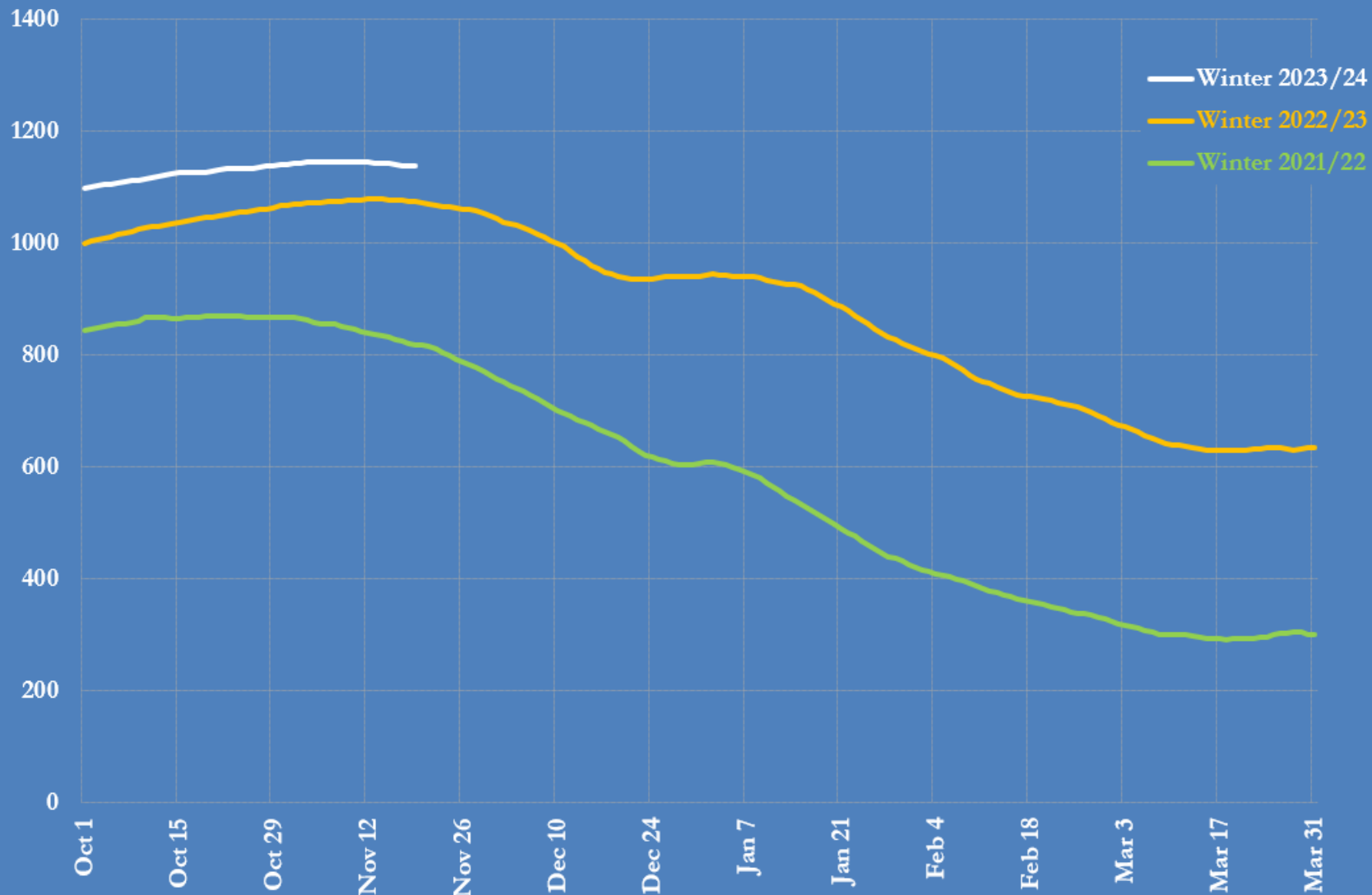


Source: Gas Infrastructure Europe

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EU28 natural gas inventories, trajectory from October to April

TWh



Source: Gas Infrastructure Europe

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European natural gas storage

Storage years starting Oct 1 and finishing Sep 30

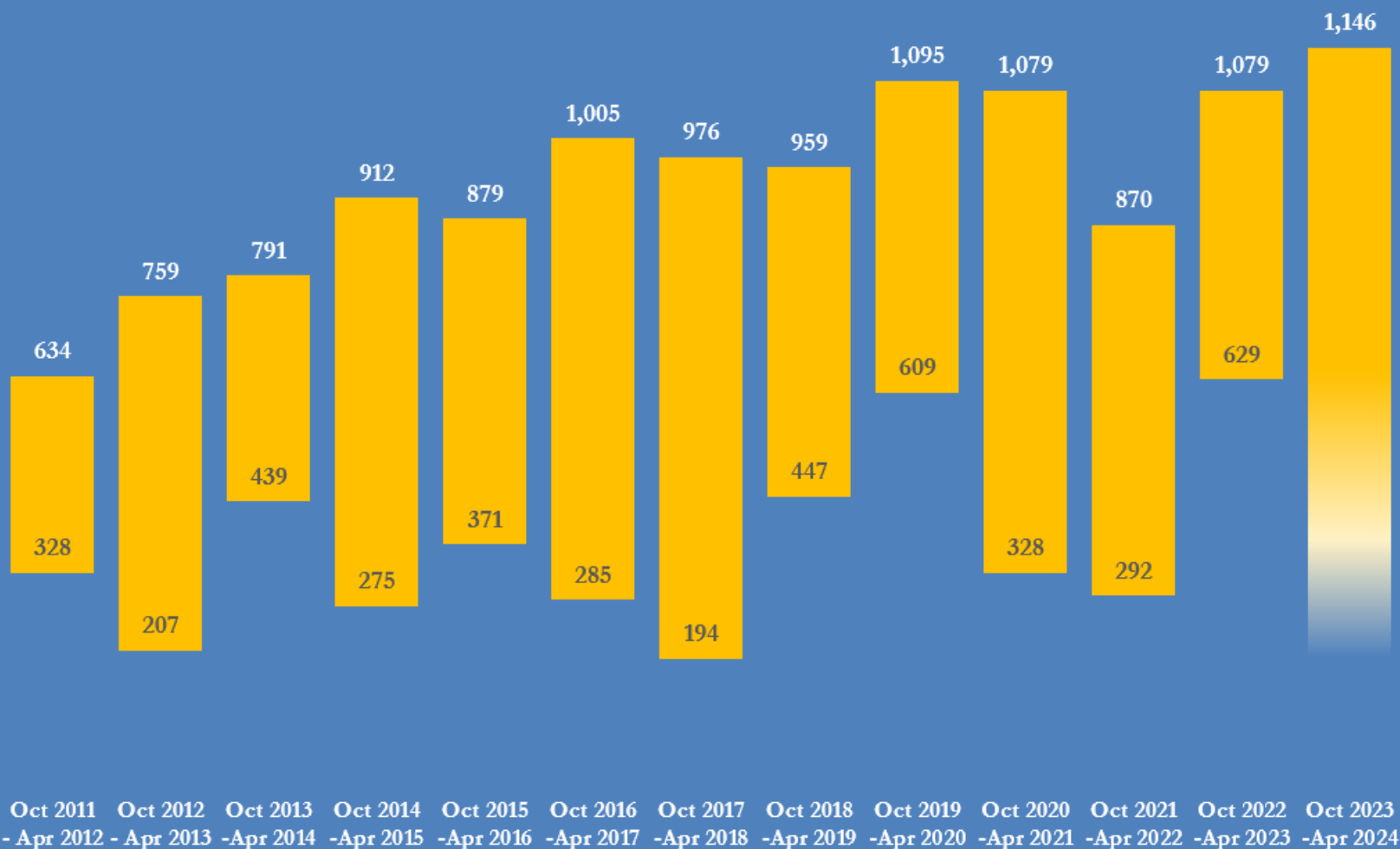
European Union and United Kingdom, TWh

	Oct 2011 - Apr 2012	Oct 2012 - Apr 2013	Oct 2013 -Apr 2014	Oct 2014 -Apr 2015	Oct 2015 -Apr 2016	Oct 2016 -Apr 2017	Oct 2017 -Apr 2018	Oct 2018 -Apr 2019	Oct 2019 -Apr 2020	Oct 2020 -Apr 2021	Oct 2021 -Apr 2022	Oct 2022 -Apr 2023	Oct 2023 -Apr 2024
Maximum	634	759	791	912	879	1,005	976	959	1,095	1,079	870	1,079	1146
Minimum	328	207	439	275	371	285	194	447	609	328	292	629	
Drawdown	-306	-552	-352	-637	-508	-720	-782	-513	-486	-752	-578	-450	
	Prior 10 years		Prior 5 years										
Largest drawdown	-782		-752										
Smallest drawdown	-352		-450										
Average drawdown	-578		-556										

Source: Gas Infrastructure Europe
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European natural gas storage, 2011-2024

TWh, storage swing from maximum to minimum each year

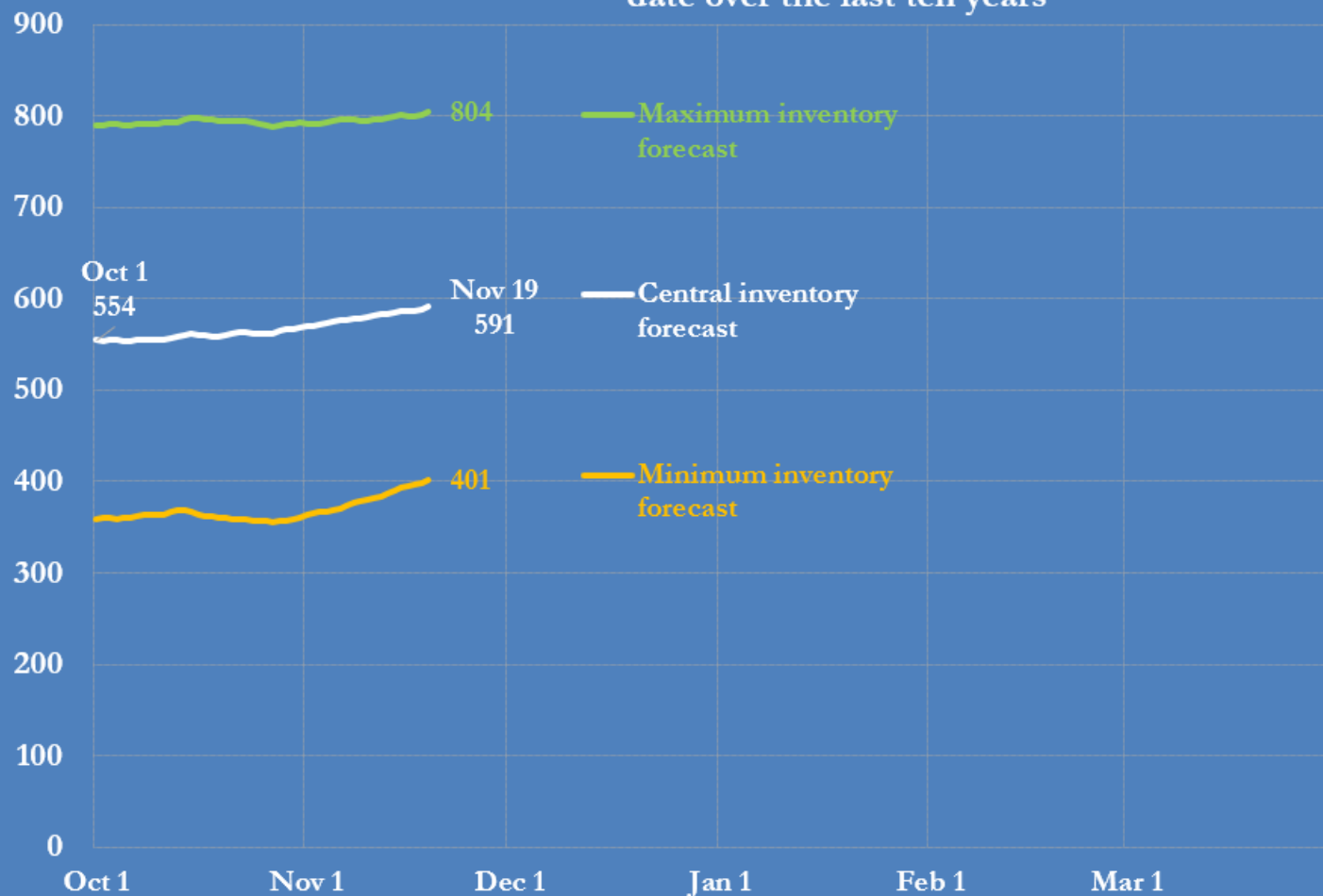


Source: Gas Infrastructure Europe

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EU28 gas inventories projected level at end of winter 2023/24

TWh, based on inventory on the date shown and remaining depletion from same date over the last ten years



Source: Gas Infrastructure Europe

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