

The Fixed Income Digest

Strategic overweight duration, MBS

View change: strategic overweight duration, MBS

In the context of this being a monthly report (inherently less tactical), we are changing our view to recommend strategic (6-12 months horizon) overweights of rate duration and agency MBS. Tactically, for short horizon, we remain neutral. Very near term (say 2-10 weeks), partial retraces higher in 10y yield (to north of 4.3%) and MBS spread (to north of 150 bps) are expected: this should be viewed as an attractive entry opportunity for the overweights. After recommending a “nibble” on duration and MBS basis at 4.3% 10y UST yield in [last month's report](#), the market took a quick trip to 4.03% 10y, before bouncing back to 4.19% post-February CPI. The swiftness of the recent rally frustrated us on the brevity of the buy opportunity but gives us confidence that the next leg of the 10y rally is ready to unfold or has already begun. That confidence is bolstered by the recent rollover of the Citi economic surprise index, which peaked concurrent with the 10y yield in mid-February. We recommend moving to a duration overweight in the weeks ahead (at 10y yield > 4.3%) and see potential for the 10y yield to rally to the 3.25% area in the second half of 2024. Fed rate cuts likely are coming soon, starting in June. As the rate cuts draw closer, we look for investors to gradually rotate out of short duration (at least partially) into long duration, providing fuel to the rally. Agency MBS spreads should narrow into the bond rally: overweight MBS at CC spread > 150 bps.

Credit spreads: low for long likely

Part of what makes quality duration relatively attractive currently is the tightness of credit spreads. Compensation for the credit risk is exceptionally low by historical standards, even if the risk is low. Given economic resilience (BofA Economics recently revised 2024 GDP growth forecast from 1.2% to 2.1%), we do not expect a significant widening of spreads anytime soon. Rather, we think they can grind even tighter in the very near term and remain in a narrow range for the next 9-12 months. This simply means that rate duration (rather than spread compression) is ready to become a more significant driver of positive total return in fixed income. Given our benign view of fundamentals, we like BBB corporates and taxable munis as a source of rate duration.

Large bank preferreds attractive; reduce lev loan exposure

Exhibit 1 shows leveraged loans and preferreds continuing to deliver relatively strong total returns since January 31. Equities continue to sharply outperform fixed income. Looking forward, we expect the return performance profile to gradually shift in favor of extending duration and moving up in quality. This suggests that reducing leveraged loan exposure makes sense. Meanwhile, mega-cap bank preferreds continue to look attractive. Stay the course on this sector.

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Exhibit 1: Total returns since January 31 and 2024 YTD

FX Preferred Stocks leads monthly total returns as of 3/12/24.

Sector (Eff Dur, Eff Yld)	Total Return (%)	
	Since 1/31	YTD
S&P 500 (NA, 1.4%)	7.0	8.8
Nasdaq 100 (NA, 0.8%)	6.5	8.5
FX Preferred Stocks (6.7, 4.8%)	1.9	5.6
EM External Debt Govt. (7.0, 6.6%)	1.6	0.4
Leveraged Loans (0.1, 10%)	1.4	2.1
BBB CMBS (3.2, 15.7%)	1.2	8.4
FL Preferred Stocks (0.3, 4.6%)	1.2	3.7
US HY Corp. (3.3, 7.5%)	1.0	1.1
EM Corp. (4.8, 6.3%)	0.8	1.0
US Municipal Securities (6.7, 3.1%)	0.5	0.2
Global Govt. Excluding the US (8.2, 2.3%)	0.0	-0.9
Agency CMBS Index (4.4, 4.7%)	-0.4	-0.1
US IG Corp. (6.7, 5.4%)	-0.5	-0.3
US Inflation-Linked Treasury (5.8, 2.0%)	-0.5	-0.1
US Broad Index (6.1, 4.9%)	-0.6	-0.7
US MBS (5.6, 5.0%)	-0.6	-1.0
US Treasury & Agency (6.3, 4.4%)	-0.7	-0.9

Source: Ice Data Indices, LLC, Bloomberg
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Refer to important disclosures on page 24 to 26. Analyst Certification on page 23. 12670332

Timestamp: 14 March 2024 11:27AM EDT

Strategic overweight duration, MBS

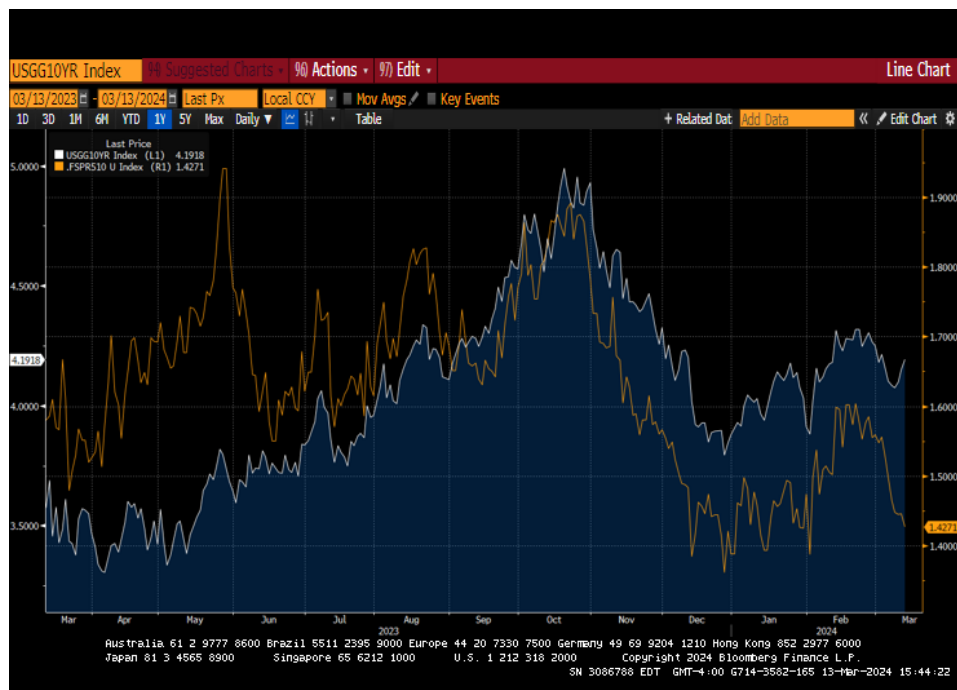
View change: strategic overweight duration, MBS for 10y rally to 3.25%

In the context of this being a monthly report (inherently less tactical), we are changing our view to recommend strategic (6-12 months horizon) overweights of rate duration and agency MBS. Tactically, we remain neutral. Very near term (say 2-10 weeks), partial retraces higher in 10y yield (to north of 4.3%) and MBS spread (to north of 150 bps) are expected: this should be viewed as an attractive entry opportunity for the overweights.

After recommending a “nibble” on duration at 4.3% 10y UST yield in [last month's report](#), the market took a quick trip to 4.03%, before bouncing back to 4.19% post-February CPI (Exhibit 2). The swiftness of the recent rally frustrated us on the brevity of the buy opportunity window but gives us confidence that the next leg of the 10y rally is ready to unfold or has already begun. That confidence is bolstered by the recent rollover of the Citi economic surprise index, which peaked concurrent with the 10y yield in mid-February (Exhibit 3). We recommend moving to a duration overweight in the weeks ahead (at 10y yield > 4.3%) and see potential for the 10y yield to rally to the 3.25% area in the second half of 2024. Fed rate cuts likely are coming soon, starting in June. As the rate cuts draw closer, we look for investors to rotate out of short duration (at least partially) into long duration, providing fuel to the rally. Agency MBS spreads should narrow into the bond rally: overweight MBS at CC spread > 150 bps.

Exhibit 2: 10y UST yield (white) v Agency MBS current coupon spread to 5y/10y UST (.FSPR510, amber)

10y UST yield moved from 4.3% to 4.18%. We moved to neutral before the recent gaps wider and tighter. If 10y UST eventually rallies below 4%, we expect more MBS spread tightening.



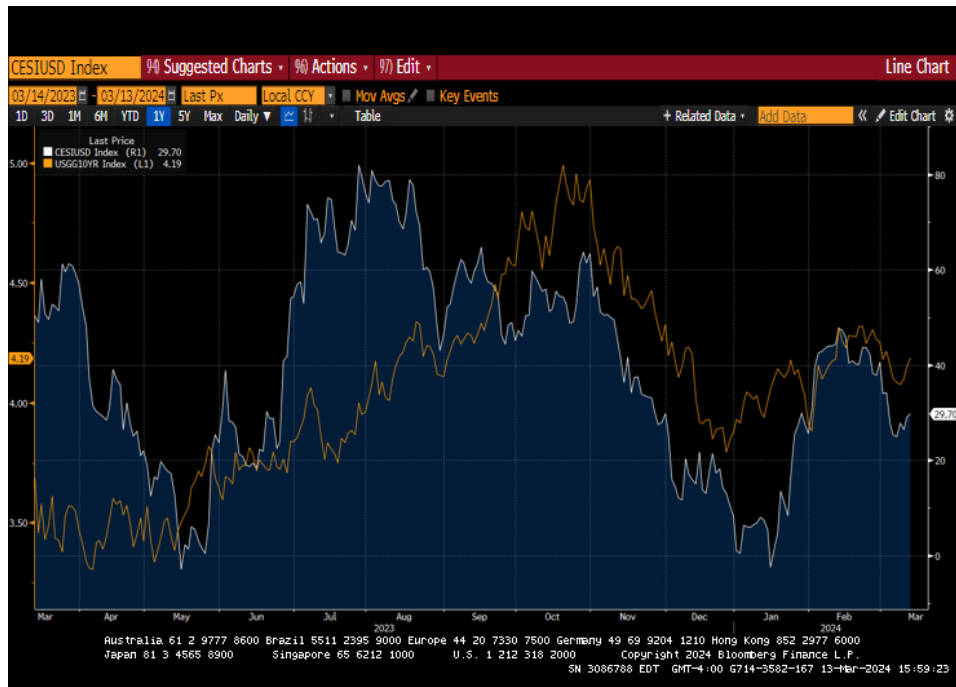
Source: Bloomberg

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Exhibit 3: Citi economic surprise index (CESIUSD) v 10y UST yield (USGG10YR)

Although still positive, upside economic surprises rolled over in mid-February. We are not surprised to see an associated rollover in the 10y UST yield. We are at inflection point: will surprises move to the downside, bringing 10y yields lower? Eventually that should happen.



Source: Bloomberg

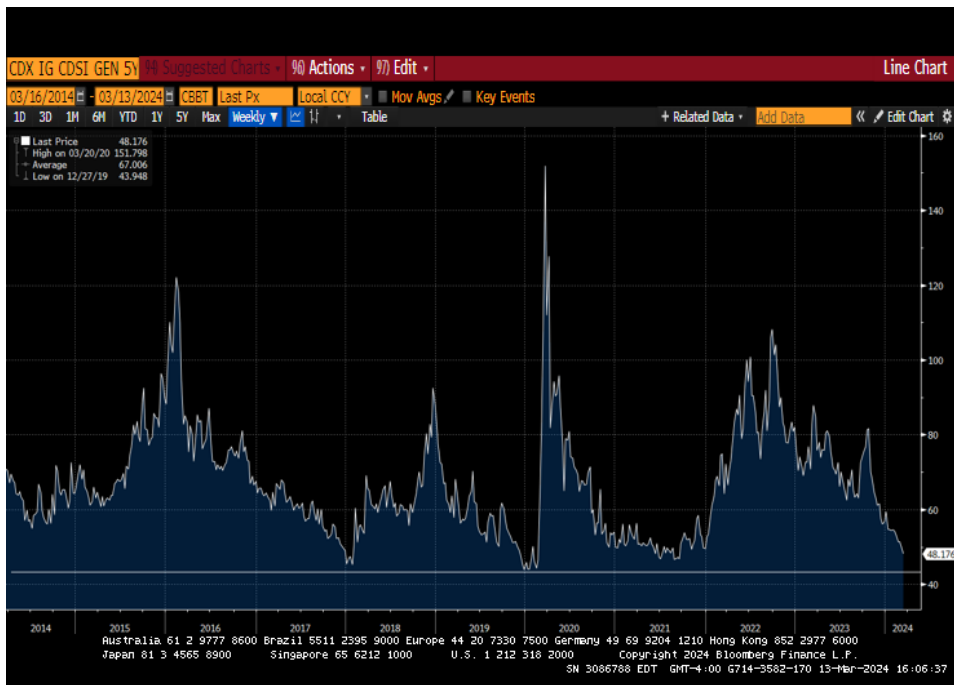
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Credit spreads: low for long likely

Compensation for credit risk is exceptionally low by historical standards (Exhibit 4), even if the risk is low. Part of what makes quality duration relatively attractive currently is the tightness of credit spreads: for example, the HY CDX spread of 322 bps is just 76.9% of the 10y yield, the lowest percentage in the HY CDX spread history (Exhibit 5). Given economic resilience (BofA Economics recently revised 2024 GDP growth forecast from 1.2% to 2.1%), we do not expect a significant widening of spreads anytime soon. Rather, we think they can grind even tighter in the very near term and remain in a narrow range for the next 9-12 months, meaning the spread-10y yield anomaly will become even greater. Eventually, this relationship should reverse and normalize, meaning that rate duration will eventually outperform credit. This simply means that rate duration (rather than spread compression) is ready to become a more significant driver of positive total return in fixed income. Given our benign view of fundamentals, with minimal expectation of spread widening, we like BBB corporates and taxable munis as a source of rate duration.

Exhibit 4: IG CDX spread

Credit spreads have tightened dramatically since the October 2023 high, approaching the lows of the past 10 years. We won't be surprised to see a new low in the months ahead and subsequently trade in narrow range, but compensation for risk is obviously very low by historical standards

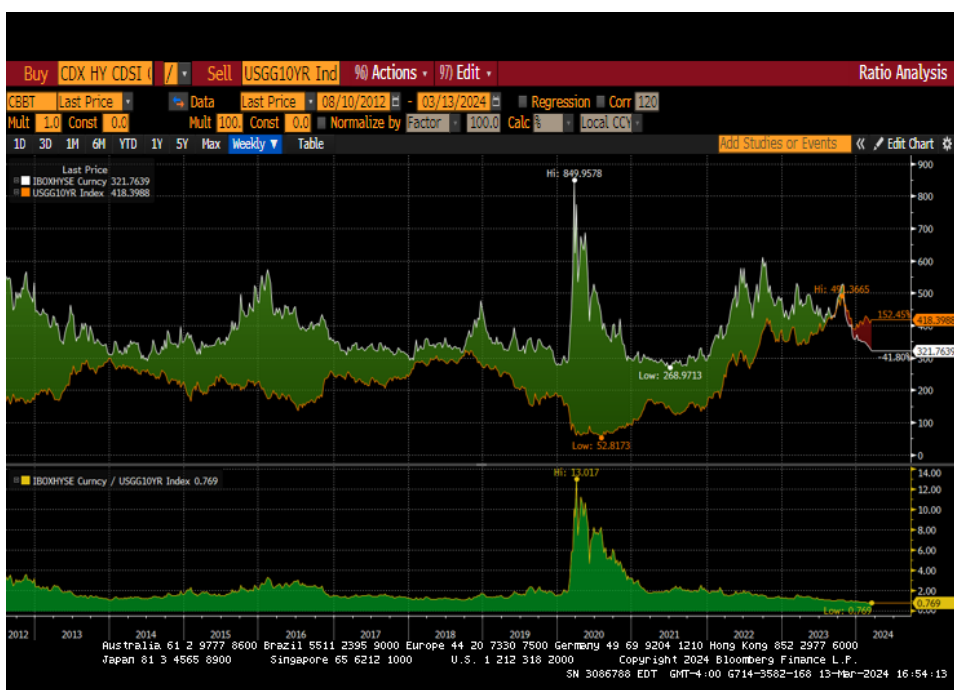


Source: Bloomberg

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Exhibit 5: HY CDX spread (white) v 10y yield (amber, USGG10YR), in bps

Compensation for credit risk relative to the 10y yield is at multi-year lows, suggesting rotation out of credit and into duration increasingly is attractive. The high yield CDX spread of 322 bps is now just 76.9% of the 10y yield, the lowest ratio in the CDX spread history. Makes sense just to own the 10y.



Source: Bloomberg

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Large bank preferreds attractive; reduce lev loan exposure

Exhibit 1 and Exhibit 6 shows leveraged loans and preferreds continuing to deliver relatively strong total returns since January 31 yet again. Equities continue to sharply outperform fixed income. Looking forward, we expect the return performance profile to gradually shift in favor of extending duration and moving up in quality. This suggests that reducing leveraged loan exposure makes sense. Meanwhile, mega-cap bank preferreds continue to look attractive. Stay the course on this sector.

Exhibit 6: Total returns sorted by YTD

BBB CMBS leads YTD returns as of 3/12/24.

Sector (Eff Dur, Eff Yld)	Total Returns (%)				
	December	Since 3/23/20	Last 3M	2024 YTD	Last 12M
S&P 500 (NA, 1.4%)	5.3	146.3	11.8	8.8	36.1
Nasdaq 100 (NA, 0.8%)	5.4	168.5	11.6	8.5	55.3
BBB CMBS (3.2, 15.7%)	0.6	11.1	10.9	8.4	8.9
FX Preferred Stocks (6.7, 4.8%)	1.3	38.6	8.7	5.6	10.7
FL Preferred Stocks (0.3, 4.6%)	0.8	61.6	5.0	3.7	12.6
Leveraged Loans (0.1, 10%)	0.9	55.8	3.2	2.1	11.8
US HY Corp. (3.3, 7.5%)	0.3	43.3	4.0	1.1	12.5
EM Corp. (4.8, 6.3%)	0.1	10.0	3.4	1.0	7.4
EM External Debt Govt. (7.0, 6.6%)	0.5	11.1	3.7	0.4	10.2
US Municipal Securities (6.7, 3.1%)	0.0	12.6	2.1	0.2	5.4
Agency CMBS Index (4.4, 4.7%)	-1.0	0.1	1.7	-0.1	3.7
US Inflation-Linked Treasury (5.8, 2.0%)	-1.1	4.9	1.9	-0.1	2.0
US IG Corp. (6.7, 5.4%)	-1.4	10.3	2.3	-0.3	6.0
US Broad Index (6.1, 4.9%)	-1.4	-4.6	1.7	-0.7	3.1
Global Govt. Excluding the US (8.2, 2.3%)	-0.6	-11.1	0.8	-0.9	2.0
US Treasury & Agency (6.3, 4.4%)	-1.3	-12.3	1.4	-0.9	1.3
US MBS (5.6, 5.0%)	-1.6	-7.4	1.7	-1.0	2.9

Source: Ice Data Indices, LLC, Bloomberg

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Forecasts and yields

The BofA economics and rates forecasts can be seen in Exhibit 7 through Exhibit 9. Recession is no longer expected. The baseline view is that the Fed has successfully executes a soft landing and will cut three times in 2024. The strength of the labor and inflation reported led BofA Economics to recently reduce its rate cut expectations from 4 to 3 and to push out the end of QT to the second half of 2024. The near-term risk to the rate forecast is to the upside. We would take advantage of yield spikes by adding duration.

Exhibit 10 and Exhibit 11 show yields in low yield and high yield sectors over time. Yields moved higher over the past month, making them very attractive from a longer-term perspective.



Exhibit 7: US GDP forecast

GDP forecast as of 3/8/24

	Historical				Quarterly Forecast								Average Quarterly			
	1Q 23	2Q 23	3Q 23	4Q 23	1Q 24	2Q 24	3Q 24	4Q 24	1Q 25	2Q 25	3Q 25	4Q 25	2022	2023	2024	2025
Real GDP (QoQ, % SAAR)	2.2	2.1	4.9	3.2	2.5	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.9	2.5	2.7	1.9
Real GDP (YoY)	1.7	2.4	2.9	3.1	3.2	3.1	2.4	2.1	2.0	2.0	1.9	1.7				

Source: BofA US Economics Research

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Exhibit 8: Other key macro indicators and inflation forecasts

Forecasts are as of 3/8/24

Monthly Averages	Historical				Quarterly Forecast								Average Quarterly			
	1Q 23	2Q 23	3Q 23	4Q 23	1Q 24	2Q 24	3Q 24	4Q 24	1Q 25	2Q 25	3Q 25	4Q 25	2022	2023	2024	2025
Nonfarm Payrolls (Avg mom ch, 000s)	305	274	213	227	175	150	125	125	100	100	100	100	377	255	144	100
Civilian Unemployment Rate (%)	3.5	3.6	3.7	3.8	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1	3.6	3.6	3.9	4.0
Civilian Participation Rate (%)	62.5	62.6	62.7	62.6	62.6	62.7	62.7	62.7	62.6	62.6	62.6	62.6	62.2	62.6	62.6	62.6
Core PCE Chain Prices (% YoY)	5.0	3.7	2.0	2.1	3.1	2.6	2.4	2.2	2.3	2.3	2.3	2.2	5.2	4.1	2.6	2.3
CPI, Consumer Prices (% YoY)	3.8	2.7	3.4	2.7	3.8	3.5	2.4	1.9	2.6	2.5	2.6	2.4	8.0	4.1	3.2	2.5
CPI ex Food & Energy (% YoY)	5.0	4.7	3.0	3.4	4.0	3.3	3.0	2.8	2.7	2.6	2.6	2.5	6.2	4.8	3.5	2.8

Source: BofA US Economics Research

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Exhibit 9: Rates forecast

Forecasts are as of 3/8/24

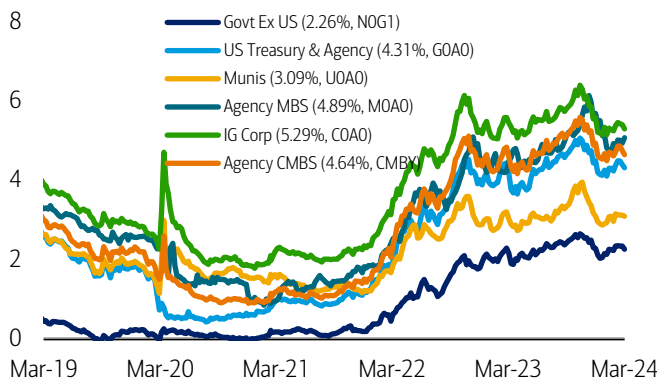
(% EOP)	Historical			Quarterly Forecast				
	2021	2022	2023	Q1 24	Q2 24	Q3 24	YE 24	YE 25
Fed Funds	0.00-0.25	4.25-4.50	5.25-5.50	5.25-5.50	5.00-5.25	4.75-5.00	4.50-4.75	3.50-3.75
Fed effective	0.13	4.38	5.38	5.38	5.13	4.88	4.63	3.63
2-Year T-Note	0.50	4.50	4.75	4.75	4.50	4.25	4.00	3.75
5-Year T-Note	1.25	4.25	4.30	4.50	4.40	4.25	4.15	4.00
10-Year T-Note	1.51	3.88	3.88	4.40	4.30	4.25	4.25	4.25
30-Year T-Bond	2.10	4.10	4.20	4.70	4.65	4.65	4.75	4.75

Source: BofA US Rates Research

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Exhibit 10: Yields on high quality sectors

IG Corp leads yields as of 3/8/24 at 5.3%

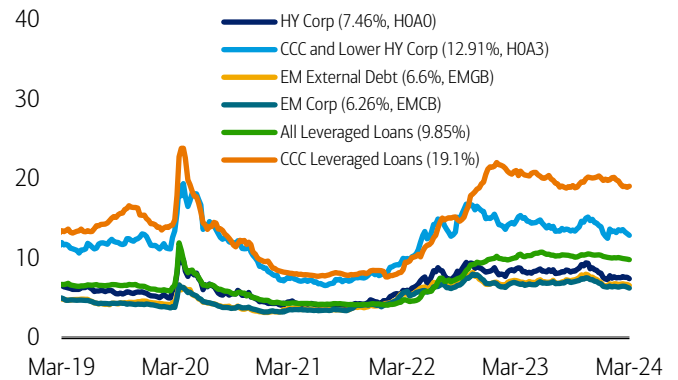


Source: ICE Data Indices, LLC

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Exhibit 11: Yields on HY bonds and loans

CCC Leveraged Loans leads yields as of 3/8/24 at 19.1%



Source: ICE Data Indices, LLC

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New issue debt market volumes slow – US treasury issuance high

Exhibit 12 shows gross and net supply numbers across various fixed income sectors, as well as forecasts for 2024. This does not account for runoff of the Fed balance sheet due to QT.

Exhibit 12: US Fixed Income Gross and Net Issuance (\$bn)

YTD FI total supply was \$1.23tn

	TSY	Munis	Tax Exempt	Taxable	AMT	Agency Debt	Agency MBS	Agency CMBS	ABS	US CLO	USD HG Corp	USD HY Corp	USD Lev Loans	Total Securitized Products	US Fixed Income Issuance
Gross Issuance (\$bn)															
2011	2,135	287	247	32	8	966	1,131	90	125	13	770	208	231	1,392	5,988
2012	2,153	380	334	33	13	840	1,663	102	201	56	969	322	295	2,074	7,032
2013	2,140	334	286	38	10	591	1,544	102	179	84	1,024	312	456	2,018	6,876
2014	2,215	337	303	27	8	482	923	87	205	124	1,105	292	377	1,475	6,284
2015	2,119	399	362	31	6	551	1,251	114	195	98	1,264	252	257	1,818	6,660
2016	2,019	452	409	31	12	794	1,472	134	195	71	1,289	228	337	1,996	7,114
2017	2,047	449	393	39	16	596	1,304	157	239	117	1,396	271	503	2,003	7,265
2018	2,388	339	295	33	11	546	1,174	157	244	121	1,237	162	438	1,923	7,033
2019	2,692	422	330	71	22	816	1,531	158	242	115	1,198	228	311	2,298	7,965
2020	3,434	474	319	145	9	923	3,158	183	183	90	1,851	390	289	3,789	11,149
2021	4,405	479	345	120	14	455	3,482	183	284	185	1,495	455	607	4,509	12,405
2022	3,305	385	310	53	22	738	1,674	128	253	128	1,216	106	225	2,427	8,401
2023	3,268	376	323	37	16	1,220	1,000	120	274	117	1,214	174	229	1,627	8,109
2024 YTD	452	45	43	2	0	103	100	13	56	25	278	51	88	213	1,231
2024 Forecast	4,308	400	340	45	15	1,300	1,056	133	270	110	1,330	165	240	1,716	9,459
Net Issuance (\$bn)															
2011	1,326	-160	-130	3	-33	-207	15	45	-60	-17	335	-7	19	-264	1,042
2012	1,008	-104	-73	-1	-30	-245	33	60	-2	21	367	72	34	-117	1,014
2013	853	-123	-111	12	-23	-53	232	60	30	29	570	82	131	186	1,648
2014	783	-67	-42	-8	-17	-45	69	49	44	76	617	74	150	174	1,685
2015	632	-26	-13	5	-17	-55	164	59	-1	53	724	-3	41	200	1,513
2016	411	33	49	2	-19	-41	229	83	9	18	752	-67	8	199	1,294
2017	421	32	27	14	-8	-53	315	96	13	56	782	5	75	411	1,672
2018	754	-75	-75	2	-2	-105	276	79	20	82	627	-78	192	512	1,827
2019	987	39	3	30	6	-30	224	79	-6	88	574	30	46	456	2,103
2020	1,734	47	-26	78	-5	-163	508	88	-69	63	757	173	0	572	3,121
2021	819	111	44	63	4	-249	878	71	29	116	425	131	148	1,200	2,585
2022	1,540	-36	-51	12	3	208	496	32	18	88	383	-52	75	680	2,798
2023	1,002	41	40	-1	2	189	235	51	7	68	454	64	-	344	2,093
2024 YTD	76	7	10	-1	-2	10	10	10	18	11	160	38	-	46	335
2024 Forecast	1,538	-16	-	-	-	500	321	107	58	35	384	-10	-10	497	2,883

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Next we summarize highlights and themes from colleagues in BofA Economics and Strategy.

Economics –Michael Gapen, Aditya Bhawe, Stephen Juneau, Shruti Mishra, Jeseo Park

[US Watch: February CPI Inflation: Services inflation softens, but goods surprise to the upside](#)

- The February Consumer Price Index topped expectations, with the headline and core CPI both rising by 0.4% m/m.
- Core services slowed to 0.5% m/m in February, while core goods prices surprised to the upside (0.1% m/m).
- Overall, we view the February inflation data as continuing to support our outlook for a rate cut cycle that starts in June.

[Morning Market Tidbits: Today's answers to yesterday's questions](#)

- We think activity & inflation data will point towards a resilient but not re-accelerating economy, allowing for a June cut.
- The February CPI report should alleviate concerns that inflation is reaccelerating after the January report.
- While headline inflation likely accelerated to 0.4% m/m, we look for core inflation to slow to 0.3% m/m.

[Labor Market Watch: The labor market continues to cool, but has a long way to go](#)

- Labor market conditions cooled in February, but remain near prior cycle highs. Restoring balance will take time
- Labor market momentum improved in February on stronger hours. However, momentum has been negative for 22 straight months
- We think the Fed will begin easing in June, but policy needs to remain restrictive to cool labor markets further

[US Watch: February US employment: Resilience, but not overheating](#)

- The February employment report eased concerns that the labor market was tightening and wage inflation was accelerating.
- Strength of hiring and nominal income growth also suggest labor market fundamentals remain supportive of consumption.
- We think the data should incrementally increase the confidence of the Fed. We maintain our outlook for the first cut in June.

[US Economic Weekly: Household net worth surges](#)

- Household net worth rebounded in 4Q (+\$5 trillion). Together with excess saving, net worth supports our view of a resilient consumer.
- The US House passed a spending bill to fund half of the federal government. The remainder needs to be funded by March 22.
- We think next week's CPI report will confirm that inflation remains on a downward trend, though services inflation is sticky.

Investment Strategy – Michael Hartnett, Elyas Mahmoud Galou, Anya Shelekhin, Myung-Jee Jung

[The Flow Show: "We're Not Far From It..."](#)

- March 10th 2000: Nasdaq bubble peaked; SOX/SPX relative just hit highest level since Mar'00
- March 9th 2020: 10-year UST yield hit 0.3%, all-time low; wars, deficits, inflation...historic bond bear market past 4 years
- March 9th 2023: SVB collapsed & kick-started Silicon Valley bull with aid of Fed-Wall St "bromance" & AI

- **The Biggest Picture:** "hard" landing probability (5%) very low vs "soft" (75%) & "no" (20%); yet slumping "quits ratio" (lowest since Jun'20 - Chart 2) consistent with Fed cuts & says "labor market risk" growing; Feb payrolls >225k = no landing, 175-200k soft landing, but <100k likely kick-starts bonds & hard landing price action

Investment Strategy – Jared Woodard, John Glascock

[Quick RIC: Tax-efficient upgrades hiding in plain sight](#)

- This "year of the bond" is belied by higher growth & inflation; we stay in quality stocks, Prudent Yield credit & commodities
- Tax day is coming. After \$1tn of household bond buys in '23, the bill coming due may spark a retreat to equities. Some tips:
- Own 1. ETFs > mutual funds; 2. stocks > bonds; 3. Prudent Yield > benchmarks; 4. buybacks > dividends; 5. MLPs, QDI, CEFs

Rates – Mark Cabana, Ralph Axel, Bruno Braizinha, Meghan Swiber, Katie Craig, Caiyi (Anna) Zhang, Paul Ciana

Global Rates Weekly: Double WAMmy

- US rates reflect ongoing dip buying, though the NFP & CPI double whammy is a risk. Fed UST WAM shortening unlikely near term
- In the absence of clear signals from the data, markets seem intent to search out vulnerable consensus trades.
- US rates reflect ongoing dip buying, though the NFP & CPI double whammy is a risk. We expect see a shift in curve bear steepening dynamic if 3y1y >3.7%. Fed UST WAM shortening unlikely in near term, may disappoint recent 2Y moves.
- Technicals: US yields test/hold key levels into US data. Heading into US data, yields hold key levels and may resume Q1 rise while US 2y > 4.48-4.50%, US 5Y > 4.06-4.10%, US 10y > 4.10% and US 30Y > 4.19%.

Municipals – Yingchen Li, Ian Rogow

Municipals Weekly: Taxable munis are where it's at

- Taxable munis are outperforming Treasuries and corporates; more OAS spread value in the 1-10yr part of the curve.
- 2024 year end forward curves also suggest that 1-10yr taxable munis are where the values are.
- Vs tax-exempts on a taxable equivalent basis, taxable munis inside 16yrs look more attractive, particularly from 6-11yrs.
- Our views are summarized in Exhibit 13
-

Investment Grade Strategy – Yuri Seliger

Situation Room: Feb CPI: cooler where it matters

- In terms of 2024 demand for IG bonds, the strongest buying has been among 10+yr industrial bonds rated single-A or better.
- Hence so far in March the A-rated industrial 10s30s IG spread curve flattened, while that for BBBs remained little changed.
- A-rated 30yr spreads outperformed despite more A-rated than BBB 30yr supply in February and so far in March.

Credit Market Strategist: Supply off trend

- IG new issue supply likely overshot in February and year-to-date.



- The pace of YtD issuance is consistent with year 2021 in terms of net supply, which should be unsustainable in 2024.
- We look for supply volumes to slow in the second half of March, supporting the IG market technicals.

High Yield Strategy – Oleg Melentyev

High Yield Strategy: Not So Magnificent

- Credit market stalls; judges prospects of the steepest rate hiking campaign being followed by the shallowest cutting path.
- Funding availability returns to more normalized levels post-Jan burst; cracks in the Mag 7 provide more reasons for caution.
- The barbell of elevated cash + low quality tilt has worked well ytd and should continue to do so.

Leveraged Loan Strategy – Neha Khoda

Collateral Thinking: Earnings at an inflection point

- Despite rates reaching Nov highs, credit market conditions remain very strong, with HY Bs setting a new post GFC record.
- A first look at Q4 earnings suggests that EBITDA growth might be at an inflection point, with Q1 potentially reaching 5%.
- Continued profit recovery could justify tight HY spreads and facilitate a loan risk rally.

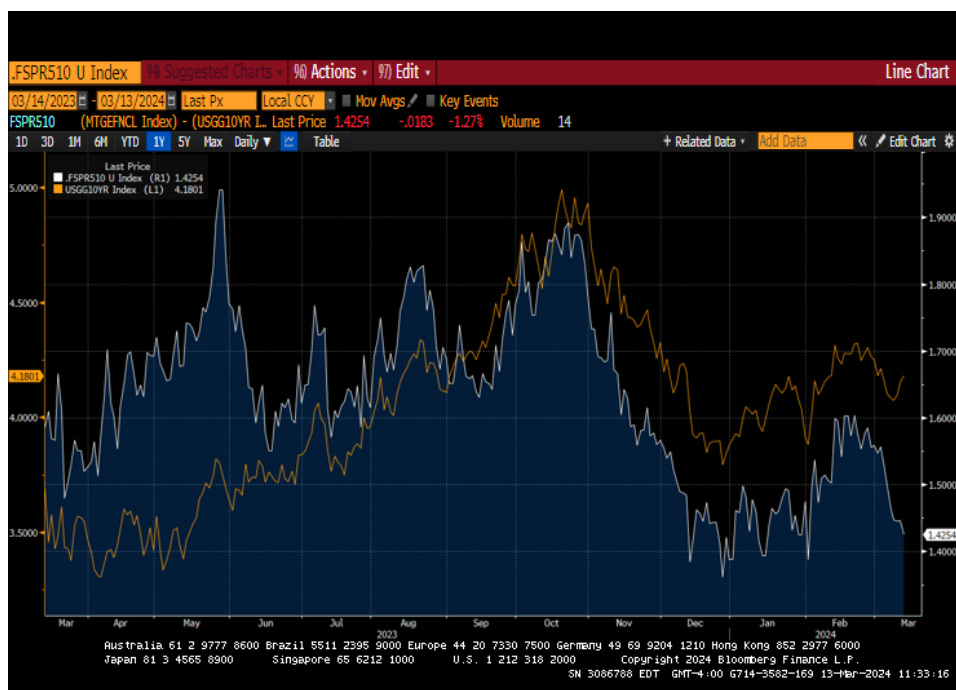
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Agency MBS – Chris Flanagan, Jeana Curro

- Agency MBS rallied recently but is still the worst sector performer in fixed income in 2024 (-1.0%). We remain neutral on the sector. Until 10y yield finds a near term top, MBS performance is likely to be weak.
- MBS current coupon spread retraced sharply tighter recently, to 142 bps, as 10y UST yield moved from 4.3% to 4.18% (Exhibit 14). We moved to neutral before the recent gaps wider and tighter. If 10y UST eventually rallies below 4%, we expect more MBS spread tightening.
- MBS value proposition: still cheap to corporates, even after recent OAS tightening. Agency MBS index OAS (46 bps) is 59% wider since Jan 1, 2022, when the Fed shifted to aggressive policy tightening. IG (93 bps) and HY OAS (308 bps) are only 0% and 11% wider, respectively (Exhibit 15).

Exhibit 14: Agency MBS current coupon spread to 5y/10y UST (.FSPR510) v 10y UST yield

MBS current coupon spread retraced sharply tighter recently, to 142 bps, as 10y UST yield moved from 4.3% to 4.18%. We moved to neutral before the recent gaps wider and tighter. If 10y UST eventually rallies below 4%, we expect more MBS spread tightening.

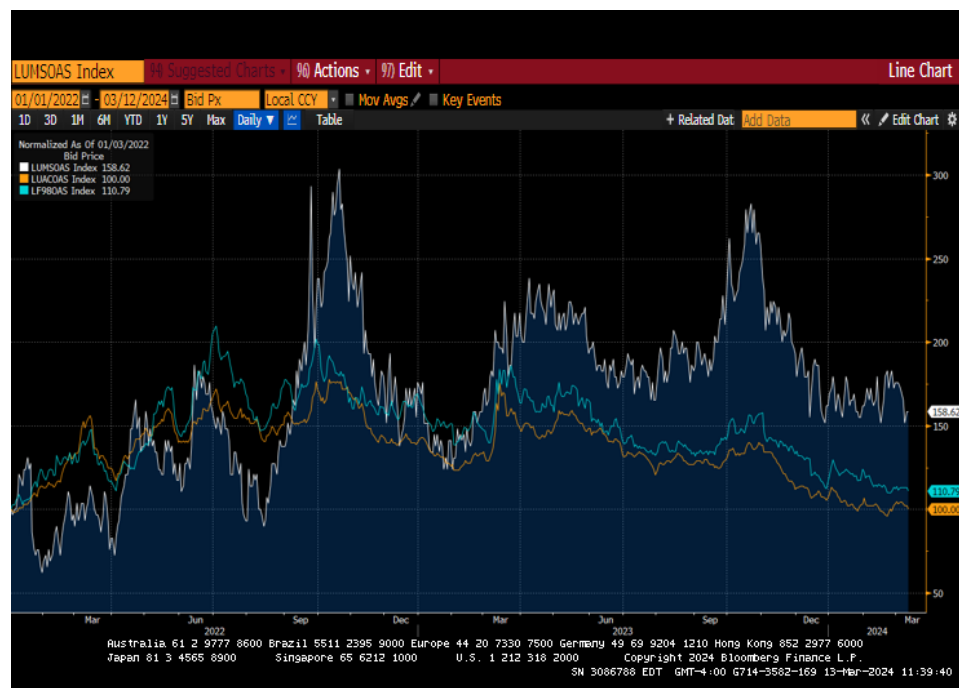


Source: Bloomberg

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Exhibit 15: Normalized index OAS since 1/1/22: agency MBS (white), high grade (amber), high yield (blue)

MBS value proposition: still cheap to corporates, even after recent OAS tightening. Agency MBS index OAS (46 bps) is 59% wider since Jan 1, 2022, when the Fed shifted to aggressive policy tightening. IG (93 bps) and HY OAS (308 bps) are only 0% and 11% wider, respectively.



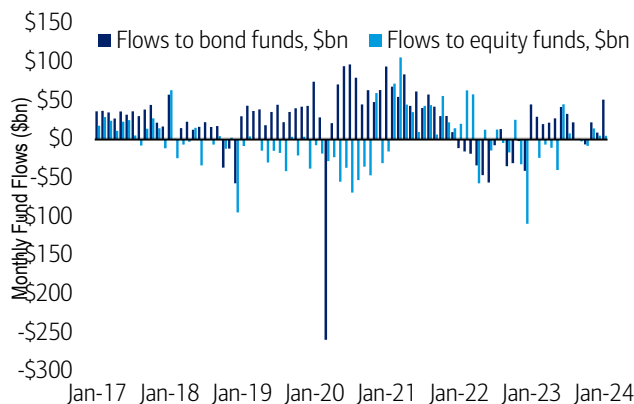
Source: Bloomberg

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Mutual fund flows

Exhibit 16: Equity vs Fixed Income fund flows (\$bn)

Data as of 1/31/2024; Fund flows have been mixed this year

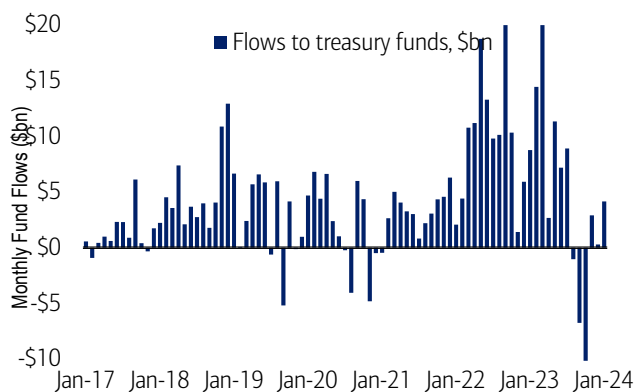


Source: EPFR

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Exhibit 18: Treasury fund flows (\$bn)

The data is as of 1/31/2024. Fund flows have been strong this year but started to weaken towards the end of 2023.

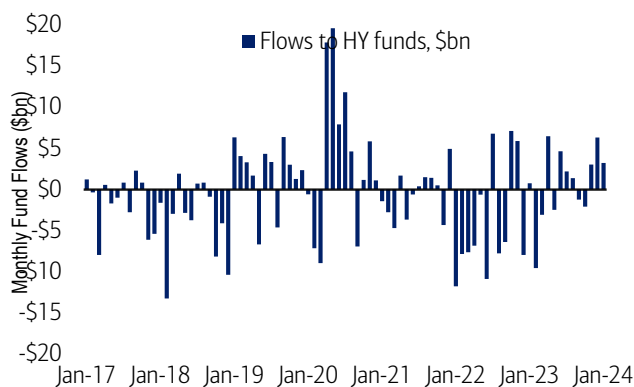


Source: EPFR

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Exhibit 20: High yield corporate fund flows (\$bn)

The data is as of 1/31/2024. Fund flows have been mixed this year.

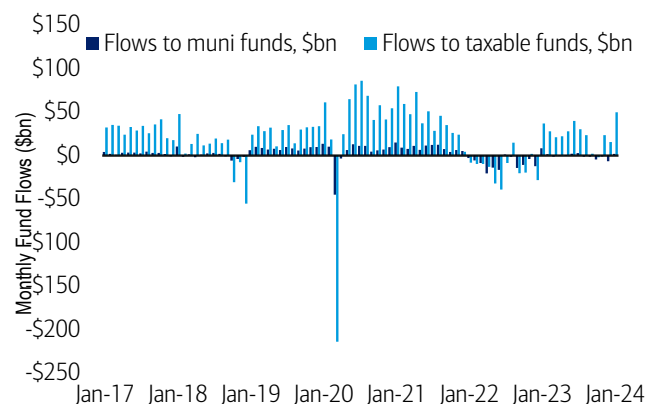


Source: EPFR

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Exhibit 17: Taxable vs Municipal fund flows (\$bn)

The data is as of 1/31/2024. Fund flows have been mixed this year.

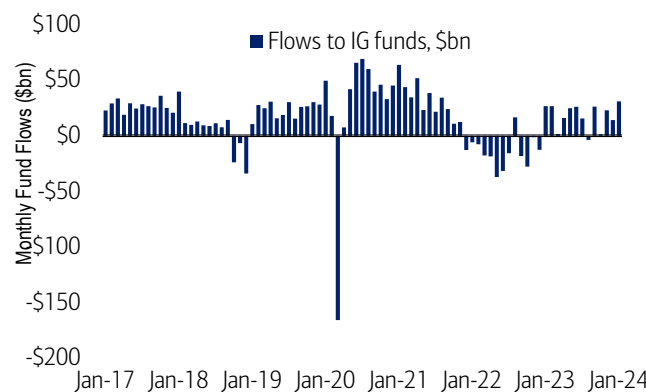


Source: EPFR

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Exhibit 19: Investment grade fund flows (\$bn)

The data is as of 1/31/2024. Fund flows have been mixed this year.

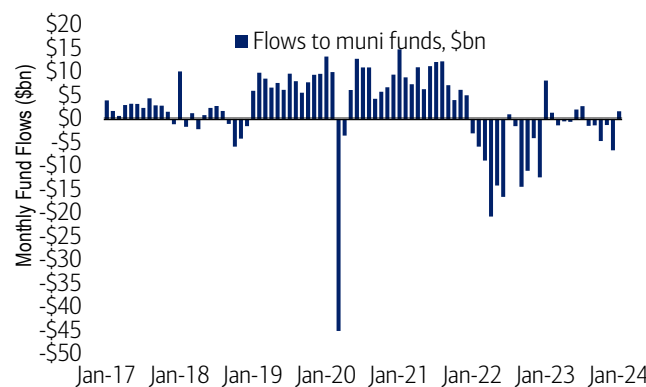


Source: EPFR

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Exhibit 21: Municipal fund flows (\$bn)

The data is as of 1/31/2024. Fund flows have been mostly outflows this year.



Source: EPFR

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Exhibit 22: Market total returns (%)

S&P 500 leads YTD returns as of 2/29/2024

As of 2/29/2024

Index	Ticker	1mo	3mo	12mo	YTD	2020	2021	3yr ²	5yr ²	10yr ²
US Treasury	GOQO	-1.4	1.8	2.7	2.3	8.2	-14.9	-3.4	0.1	1.0
US 3-Month Treasury Bill	GOO1	0.4	1.3	5.2	5.9	0.7	1.5	2.4	2.0	1.3
Current 2-year Treasury	GA02	-0.5	1.0	3.8	3.4	3.0	-4.7	-0.5	0.9	0.8
Current 10-year Treasury	GA10	-2.1	1.7	1.5	0.5	10.6	-19.4	-5.2	-0.5	0.7
Current 30-year Treasury	GA30	-2.2	3.5	-3.5	-3.2	18.6	-36.5	-11.3	-3.1	0.6
US Composite Agency	UAGY	-0.7	1.6	4.9	4.5	5.7	-9.3	-1.3	1.1	1.5
US Inflation-Linked Treasury	GOQI	-1.1	1.8	2.7	2.9	11.5	-7.3	-0.9	2.7	2.1
US Corporate	COA0	-1.4	2.7	6.7	7.0	9.8	-16.2	-2.5	1.9	2.6
AAA US Corporate	COA1	-1.9	1.8	4.2	4.0	12.2	-20.9	-4.5	0.8	2.1
AA US Corporate	COA2	-1.5	2.1	5.0	4.9	9.5	-17.2	-3.3	0.7	1.9
Single-A US Corporate	COA3	-1.4	2.5	5.9	6.1	9.8	-16.2	-2.7	1.5	2.3
BBB US Corporate	COA4	-1.3	3.1	7.8	8.3	9.8	-16.0	-2.2	2.4	2.9
US High Yield	HOA0	0.3	4.0	11.2	13.8	6.2	-6.5	1.9	4.0	4.3
BB US High Yield	HOA1	-0.2	3.1	10.0	11.3	8.6	-6.5	1.3	4.3	4.6
Single-B US High Yield	HOA2	0.4	4.1	11.4	14.5	3.7	-6.2	2.2	3.7	3.9
CCC & Lower US High Yield	HOA3	2.3	7.9	15.4	22.7	2.9	-7.6	2.9	3.3	4.0
Leveraged Loans	SPBDAL	0.9	3.3	11.5	15.1	3.1	4.4	5.9	5.3	4.5
BB Loans	SPBDBB	0.7	2.4	9.2	11.5	0.8	6.0	5.5	4.5	4.1
Single-B Loans	SPBDBL	0.9	3.4	12.5	16.6	3.8	3.9	6.2	5.6	4.8
US Mortgage Backed Securities	MOA0	-1.6	2.1	3.1	2.9	4.1	-12.9	-3.4	-0.3	1.0
Fixed Rate Preferred Securities	POP1	0.8	6.5	7.2	14.2	6.9	-12.7	0.8	3.1	4.8
DRD Eligible Preferred Securities	P0D0	0.7	6.4	6.4	12.7	7.3	-10.9	0.8	3.3	4.7
Hybrid Preferred Securities	POH0	1.5	6.9	10.1	20.3	7.3	-18.6	0.8	2.7	4.6
REIT Preferred Securities	P0N0	0.7	6.5	12.3	21.1	8.3	-25.0	-1.9	1.6	4.3
American Depositary Shares Preferred Securities	P0S0	2.6	8.7	9.7	21.5	6.0	-21.7	-0.3	2.3	4.3
Adjustable Rate Preferred Securities	P0A0	0.8	5.1	11.0	16.0	8.0	4.3	6.7	7.4	6.6
US Fixed Rate Asset Backed	ROA0	0.0	2.2	6.1	7.0	3.8	-4.1	0.8	2.0	1.9
US Municipal Securities	U0A0	0.0	2.2	5.8	6.3	5.3	-7.4	-0.2	2.0	2.7
Taxable equivalent ¹	U0A0*	0.3	3.0	8.9	9.9	8.1	-2.4	2.6	4.8	5.7
US General Obligation Municipal Securities	U0AG	0.0	1.8	5.1	5.3	5.3	-6.6	-0.2	1.8	2.3
Taxable equivalent ¹	U0AG*	0.2	2.6	8.2	8.9	8.1	-1.6	2.6	4.6	5.2
US Revenue Municipal Securities	U0AR	0.0	2.3	6.0	6.6	5.3	-7.6	-0.2	2.0	2.9
Taxable equivalent ¹	U0AR*	0.3	3.1	9.1	10.2	8.1	-2.7	2.6	4.8	5.8
US Pre-refunded Municipal Securities	U0AF	0.1	0.8	3.3	3.0	2.4	-2.9	0.1	1.0	1.0
Taxable equivalent ¹	U0AF*	0.4	1.6	6.5	6.7	5.5	2.8	3.1	4.0	4.2
1-5 Year US Municipal Securities	UVA0	0.1	1.0	3.7	3.6	2.8	-3.0	0.2	1.2	1.2
Taxable equivalent ¹	UVA0*	0.4	1.8	6.7	7.1	5.8	2.4	3.1	4.1	4.2
5-10 Year US Municipal Securities	U6AX	0.0	1.9	4.4	4.8	5.0	-5.8	-0.1	1.8	2.3
Taxable equivalent ¹	U6AX*	0.3	2.7	7.4	8.2	7.9	-0.8	2.7	4.5	5.1
10+ Year US Municipal Securities	U9AX	0.0	2.8	7.0	7.8	6.2	-9.8	-0.5	2.2	3.3
Taxable equivalent ¹	U9AX*	0.2	3.5	10.1	11.5	9.0	-5.0	2.3	5.0	6.3
Global Government Excluding the US Index	NOG1	-1.8	0.3	-0.2	-1.6	9.8	-29.3	-10.2	-4.4	-2.3
Emerging Markets										
BBB & Lower Sovereign USD	IGOV	1.0	4.8	11.4	12.3	4.8	-20.5	-2.4	0.3	2.6
Local Debt Markets Plus Index	LDMP	0.0	1.9	7.1	8.6	4.5	-17.5	-2.3	0.8	0.7
Emerging Markets Corporate Plus Index	EMCB	0.1	3.5	7.1	8.1	7.8	-16.5	-3.1	1.1	2.4
S&P 500	SPXT	5.3	12.0	31.1	35.3	18.4	5.4	12.9	14.8	12.7
US CPI Urban Consumers NSA	CPURNSA	0.5	0.0	3.1	10.6	1.4	13.9	5.6	4.1	2.8
BBG GOLD TR Index	BCOMGCTR	-0.2	0.2	10.8	11.8	20.9	-5.0	2.9	8.1	3.6
VIX Index	VIX	-6.6	3.7	-34.9	-38.2	65.1	-4.7	-26.0	-1.9	-0.4

Source: ICE Data Indices, LLC; ¹Assumes a 40.8% Federal tax bracket. ²Three-year, five-year and 10-year returns are annualized. *Price return index

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Exhibit 23: Sector yields, duration and credit ratings

Data as of 3/08/2024. Sectors have higher yields as credit risk increases.

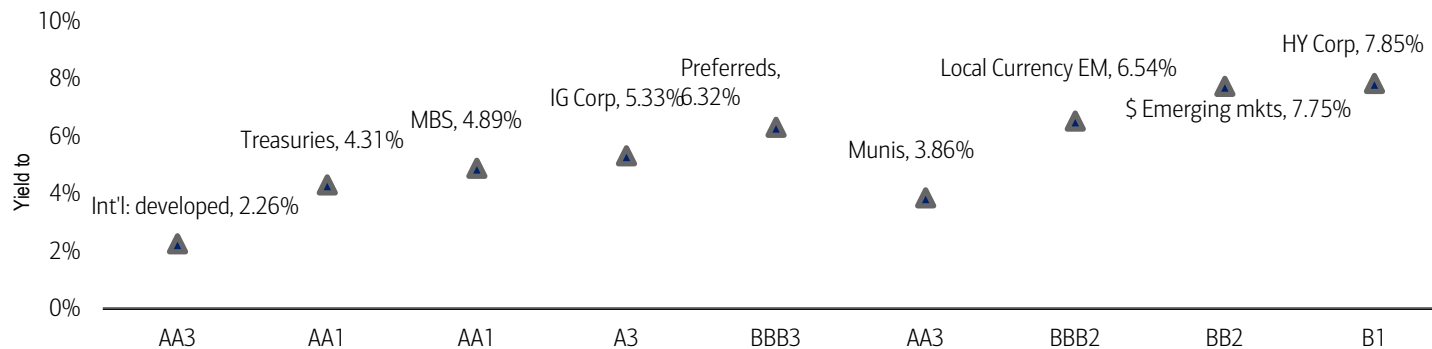
	Effective yield*	Effective Duration*	Average Credit Rating	% of US taxable market
Treasuries				
US Treasury	4.31	6.34	AA1	42.9%
1-5 Year	4.39	2.59	AA1	23.2%
5-10 Year	4.08	6.19	AA1	9.4%
10-15 Year	4.07	10.15	AA1	0.4%
15+ Year	4.35	15.14	AA1	9.9%
US Inflation-Linked Treasury	1.87	5.80	AA1	4.9%
US Agency	4.47	3.30	AA1	0.8%
US Mortgage Backed Securities	4.89	5.61	AA1	22.4%
IG Corporates				
US Corporate	5.29	6.70	A3	24.9%
1-5 Year	5.19	2.52	A3	10.2%
5-10 Year	5.24	6.03	A3	6.8%
10-15 Year	5.40	8.73	A3	1.3%
15+ Year	5.48	13.61	A3	6.5%
Core Plus Fixed Rate Preferred Securities	4.67	6.64	BBB3	0.3%
High Yield				
US High Yield	7.46	3.27	B1	3.8%
1-5 Year US Cash Pay HY	7.63	2.24	B1	2.1%
5-7 Year US Cash Pay HY	7.21	4.06	B1	1.2%
7-10 Year US Cash Pay HY	6.73	5.16	BB3	0.4%
10-15 Year Cash Pay HY	7.60	7.75	BB3	0.0%
15+ Year US Cash Pay HY	7.14	11.24	BB2	0.0%
				100.0%
International				
Global Government Excluding the US	2.26	8.26	AA3	
EM				
Sovereign	7.72	6.94	BB2	
BBB-B Sovereign USD External Debt	6.55	7.16	BB1	
Local Debt Markets Plus Index	6.54	5.91	BBB2	
Emerging Markets Corporate Plus Index	6.26	4.80	BBB2	
Municipals				
Municipals	3.09	6.72	AA3	100.0%
US Municipal Securities	2.97	2.44	AA2	21.4%
1-5 Year US Municipal Securities	2.81	4.97	AA3	19.5%
5-10 Year US Municipal Securities	2.90	6.58	AA3	13.5%
10-15 Year US Municipal Securities	3.31	9.52	AA3	45.6%

Source: ICE Data Indices, LLC. *Effective yield and duration adjust for call options

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Exhibit 24: Yield to maturity vs. credit rating

Data as of 3/08/2024. The data is showing sector, effective duration, yield-to-maturity



Source: ICE Data Indices, LLC

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Profile of taxable & tax-exempt bond markets

Exhibit 25: Sensitivity of total returns on Treasuries to yield changes. 1-year horizon*

Data As of 3/07/2024. High maturity has high sensitivity to yield changes.

Treasury maturity	Change in yield				
	-2%	-1%	0	+1%	+2%
2-Year	NA	NA	4.5%	2.6%	0.8%
5-Year	NA	8.7%	4.1%	-0.3%	-4.4%
10-Year	NA	12.6%	4.1%	-3.7%	-10.7%
30-Year	NA	23.3%	4.2%	-10.8%	-22.7%

Source: BofA Global Research. *Approximate total return (income plus price change) over a one-year horizon for the given change in yield. Excludes the effect of rolling down the yield curve.

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Exhibit 26: Sensitivity of total returns on municipals to yield changes. 1-year horizon*

Data As of 3/07/2024. High maturity has high sensitivity to yield changes.

Municipal maturity	Change in yield				
	-2%	-1%	0	+1%	+2%
2-Year	NA	NA	2.7%	0.8%	-1.1%
5-Year	NA	7.6%	2.4%	-2.2%	-6.5%
10-Year	NA	12.2%	3.2%	-4.8%	-12.2%
30-Year	NA	24.4%	3.6%	-12.7%	-25.4%

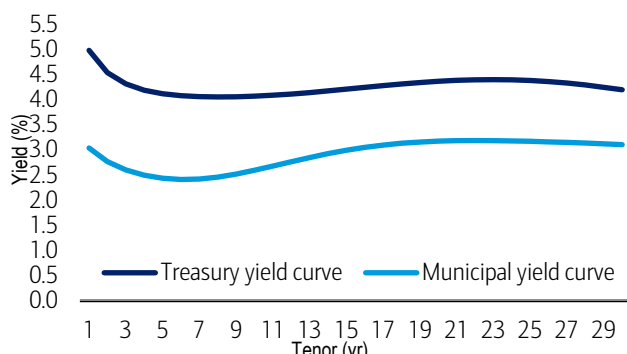
Source: BofA Global Research. *Approximate total return (income plus price change) over a one-year horizon for the given change in yield. Excludes the effect of rolling down the yield curve.

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Fixed Income Chartbook

Exhibit 27: Treasury and municipal yield curves (%)

As of 3/08/2024, Treasury and municipal yields by tenor; yields converge at the long end

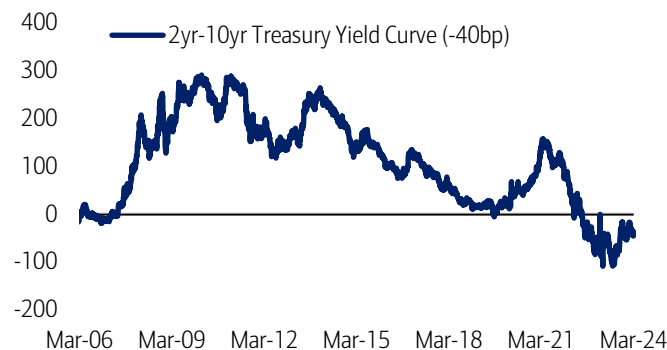


Source: ICE Data Indices, LLC

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Exhibit 28: Historical 2yr / 10yr Treasury yield spread (bps)

Data as of 3/08/2024. The 2/10yr treasury curve is inverted.

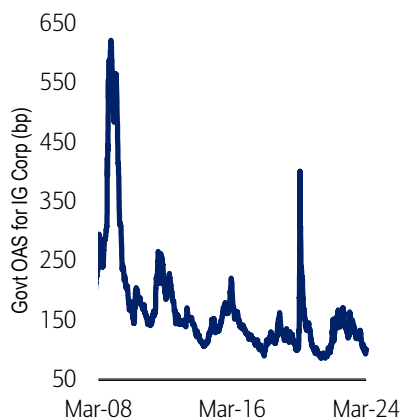


Source: Bloomberg

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Exhibit 29: IG corporate Govt OAS spreads (bps)

Data as of 3/08/2024; Spreads have tightened this year.

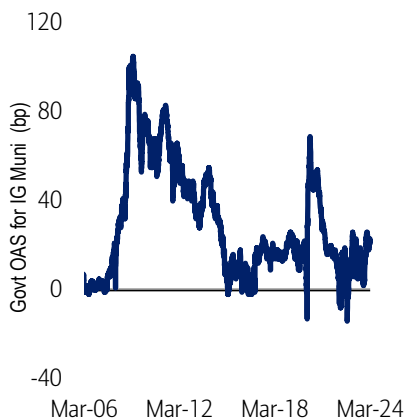


Source: Ice Data Indices, LLC

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Exhibit 30: IG muni Govt OAS spreads (bps)

Data as of 3/08/2024 Spreads have widened this year

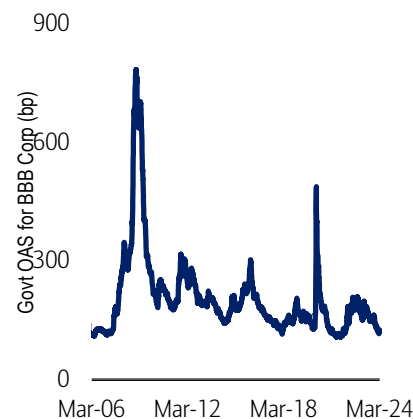


Source: Ice Data Indices, LLC

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Exhibit 31: BBB corporate Govt OAS spreads (bps)

Data as of 3/08/2024; Spreads have tightened this year

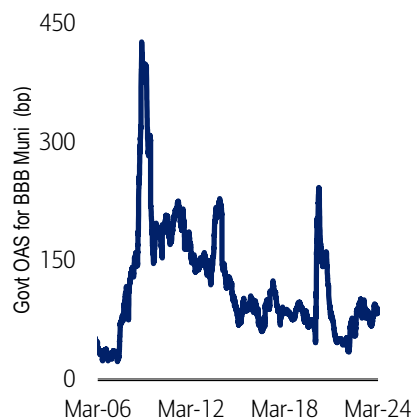


Source: Ice Data Indices, LLC

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Exhibit 32: BBB muni Govt OAS spreads (bps)

Data as of 3/08/2024; Spreads have tightened this year

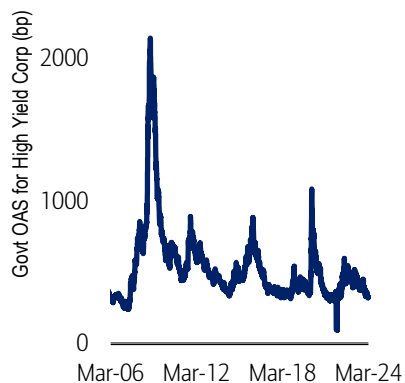


Source: Ice Data Indices, LLC

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Exhibit 33: High yield corporate Govt OAS spreads (bps)

Data as of 3/08/2024; Spreads have tightened this year

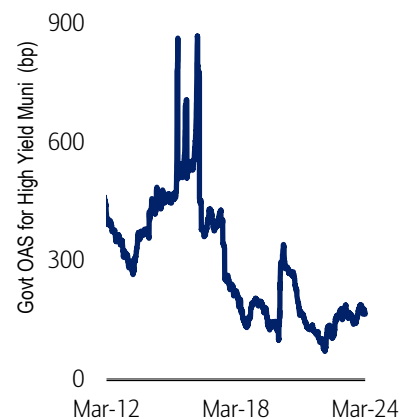


Source: Ice Data Indices, LLC

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Exhibit 34: High yield muni Govt OAS spreads (bps)

Data as of 3/08/2024; Spreads have widened this year



Source: Ice Data Indices, LLC

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Appendix: common acronyms

Table 1: Common Terminology – Multiple Sectors

Acronyms	Description
Multiple Sectors	
ABCP	Asset-backed commercial paper
AIFM	Alternative Investment Fund Managers
	EU financial regulation of hedge funds, private equity, real estate funds and other alternative investment fund managers
AIFMR	
ALS	Average Loan Size
AMF	Financial Markets Authority (France)
BaFin	Federal Financial Supervisory Authority (Germany)
BLS	Bureau of Labor Statistics
BPS	Basis points
BWIC	Bid Wanted In Competition
CDR	Constant default rate
CE	Credit Enhancement
CEE	Central and Eastern Europe
CFPB	Consumer Financial Protection Bureau
CLTV	Combined Loan-to-value ratio or Current Loan-to-value ratio
CPR	Constant prepayment rate
CQS	Credit quality step
CRD	Capital Requirements Directive (EU)
CRR	Capital Requirements Regulation (EU)
CRR	Conditional Repayment Rate
CRR	EU prudential regulation for credit institutions and investment firms
DD	Due diligence
DM	Discount Margin
DQ	Delinquency
DTI	Debt-to-Income ratio
EBA	European Banking Authority
EC	European Council (EU)
EComm	European Commission (EU)
EDSF	Euro Dollar Swap FRA
EL	Expected Loss
EP	European Parliament (EU)
ESAs	European Supervisory Authorities (EU)
ESG	Environmental, Social and Governance
ESMA	European Securities Market Authority
EU	European Union
Euribor	European interbank offered rate
FCA	Financial Conduct Authority (UK)
FCF	Front cash flow
Fed or FRB	Federal Reserve Board
FICO	Fair Isaac Corporation
FINRA	Financial Industry Regulatory Authority
FNMA	Federal National Mortgage Association
GDP	Gross domestic product
Ginnie Mae	Government National Mortgage Association
GNMA or GNR	Government National Mortgage Association
HAMP	Home Affordable Modification Program
HARP	Home Affordable Refinance Program
HY	High Yield
IAA	Internal Assessment Approach
IG	Investment grade
IO	Interest-only mortgages or tranches

Source: BofA Global Research

Acronyms	Description
Multiple Sectors	
ISM	Institute for Supply Management
ITS	Implementing Technical Standards (EU)
JHF	Japanese Housing Finance Agency
LCF	Last cash flow
LGD	Loss Given Default
LIBOR	London Interbank Offered Rate
LTV	Loan-to-value ratio
MBS	Mortgage-Backed Security
MEP	Member of European Parliament (EU)
MoM	Month over Month
NR	Non-rated
NSFR	Net Stable Funding Ratio
N-Spread	Nominal spreads to swaps
NY Fed	The Federal Reserve Bank of New York
OAS	Option-adjusted Spreads
OC	Overcollateralization
OID	Original issue discount
OLTV	Original Loan-to-value ratio
OWIC	Offer wanted in competition
PRA	Prudential Regulation Authority (UK)
QE	Quantitative Easing
QM	Qualified Mortgages
R&W	Representation and warranty
REIT	Real estate investment trust
RTS	Regulatory Technical Standards (EU)
SEV	Severity
SOFR	The Secured Overnight Financing Rate
Solvency II	EU insurance regulation
SONIA	Sterling overnight interbank average rate
SRT	Significant Risk Transfer
SSM	Single Supervisory Mechanism (EU)
STC	Simple Transparent and Comparable Securitisation
STS	Simple Transparent and Standardised Securitisation
TRACE	Trade Reporting and Compliance Engine
	Undertakings for the Collective Investments in Transferable Securities
UCITS	
UST	United States Treasury
WAC	Weighted average coupon
WAL	Weighted average life
WALA	Weighted average loan age
WAM	Weighted Average Maturity
WAS	Weighted average spread
WAVG	Weighted average
WoW	Week over Week
YoY	Year over Year
YTD	Year to date
YTM	Yield to maturity

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Table 2: Common Terminology – Asset Backed Securities (ABS) and Collateralized Loan Obligations (CLO)

Acronyms	Description	Acronyms	Description
Asset Backed Securities		Collateralized Loan Obligations	
A&C	Agriculture and Construction	A to E	Amend to extend
ABS	Asset Backed Securities	AMA	Asset manager affiliate
ABS	Absolute Prepayment Speed	AUM	Assets under management
CEU	Container shipping, Cost Equivalent Unit	BDC	Business development company
CNL	Cumulative Net Loss	BSL CLO	CLO backed primarily by broadly syndicated loans
DPP	Device Payment Plan	CBO	Collateralized bond obligation
ECASLA	The Ensuring Continued Access to Student Loans Act	CDO	Collateralized debt obligation
ED	The Department of Education	CLO	Collateralized loan obligation
EFC	Education Financial Council	CMV	Capitalized management vehicle
FDLP	William D. Ford Federal Direct Loan Program	Cov-Lite	Covenant-lite
FFELP	The Federal Family Education Loan Program	CQT	Collateral quality tests
HEA	Higher Education Act of 1965, as amended	DIV	Diversity Score
IBR	Income based repayment	EBITDA	Earnings before interest, tax, depreciation and amortization
IDR	Income driven repayment	ELLI	European Leveraged Loan Index
MPR	Monthly payment rate	EOD	Event of default
NCHER	The National Council of Education Resources	IC	Interest coverage
PAYE	Pay As You Earn	ID	Interest diversion
REPAYE	Revised Pay As You Earn Plan	IPO	Initial public offering
RV	Residual value (auto lease / loan)	IRR	Internal rate of return
SAARS	Seasonally adjusted annual rate	JR OC	Junior overcollateralization
TEU	Container shipping, Twenty Foot Equivalent Unit	LBO	Leveraged buyout
TIVAS	Title IV Additional Servicers	Liquidation NAV	NAV assuming portfolio can be liquidated immediately at its market value without any additional costs
VT	Voluntary Termination (auto loan by borrower)	LLI	Leveraged loan index
WBS	Whole business securitization	LTM	Last-twelve-months
YSOC	Yield Supplement Overcollateralization	M&A	Mergers and acquisitions
		MM CLO	CLO backed primarily by middle-market loans
		MOA	Majority owned affiliate
		MVOC	Market value overcollateralization
		NAV	Net asset value
		O&G	Oil and gas
		PIK	Payment in kind
		PPT	Portfolio profile tests
		RCF	Revolving credit facility
		RP	Reinvestment Period
		RR	Risk retention
		SME	Small and medium enterprise
		SR OC	Senior overcollateralization
		TLA	Term loan A
		TLB	Term loan B
		TRUPS	Trust preferred securities
		WAP	Weighted average price
		WARF	Weighted average rating factor
		WARR	Weighted average recovery rate
		WAS	Weighted average spread

Source: BofA Global Research

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Table 3: Common Terminology – Commercial Mortgage Backed Securities (CMBS)

Acronyms	Description	Acronyms	Description
Commercial Mortgage Backed Securities		Commercial Mortgage Backed Securities	
ACLI	American Council of Life Insurers	PSF	Per Square Foot
ADR	Average Daily Rate	SH	Senior Housing
ARA	Appraisal Reduction Amount	SPE	Special purpose entity
ARD	Anticipated Repayment Date	SS	Special Servicing
ASERs	Appraisal Subordinate Entitlement Reductions	SS (Property Type)	Self-storage
Cap Rate	Capitalization rate	TI	Tenant Improvements
CapEx	Capital Expenditure	TIC	Tenant-In-Common
CBD	Central Business District	UW	Underwriting/Underwritten
CMBS	Commercial mortgage backed security	WAM	Weighted average maturity
CPY	Constant Prepayment Yield	WL	Watchlist
CRE	Commercial real estate	YM	Yield maintenance
Def	Defeasance		
DSCR	Debt service coverage ratio		
DUS	Fannie Mae delegated underwriting and servicing		
DY	Debt yield		
ERV	Estimated Rental Value		
Fannie Mae GeMs	Fannie Mae Guaranteed Multifamily Structures		
FRESB	Freddie Mac Small Balance Mortgage Transactions		
Freddie K	Freddie Mac K deals		
FT IO	Full term interest only loan		
GFC	Global Financial Crisis		
GLA	Gross Leasing Area		
GSA	Green Street Advisors		
HT	Hotel		
IN	Industrial		
L/O	Lockout		
LC	Leasing Commissions		
MCAS	Multifamily Connecticut Avenue Securities		
Mezz	Mezzanine tranche		
MF	Multifamily		
MH	Manufactured Housing		
MP3	Monetary Policy 3		
MR	Most Recent		
MX	Mixed Use		
MU	Mixed Use		
NAV	Net Asset Value		
NCF	Net cash flow		
NCREIF	National Council of Real Estate Investment Fiduciaries		
NOI	Net operating income		
OF	Office		
OMV	Open Market Valuation		
PL CMBS	Private Label CMBS		
PT IO	Partial term interest only loan		
RCA	Real Capital Analytics		
RevPar	Revenue Per Available Room		
RT	Retail		
SASB	Single asset/single borrower		
SBA	Small Business Administration		
SBIC	Small Business Investment Company		
SBL	Small balance loan		

Source: BofA Global Research

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Table 4: Common Terminology – Agency MBS**Acronyms Description****Agency MBS**

AFS	Available-for-sale
AOCI	Accumulated other comprehensive income
AOLS	Average original loan size
ARM	Adjustable-rate mortgage
BU/BD	Buy-up/Buy-down
CBR	Constant buyout rate
CC	Current coupon rate
CMO	Collateralized mortgage obligation
CPR	Cumulative prepayment rate
CSP	Common Security Platform
CSS	Common Securitization Solutions
EHS	Existing home sales
FG	Freddie Gold security (typically followed by a two-letter code: LMC, CI, etc.)
FHA	Federal Housing Administration
FHFA	Federal Housing Finance Agency
FHLB	Federal Home Loan Bank
FHLMC	Federal Home Loan Mortgage Corporation
FLS	Funding for Lending Scheme (FLS)
FN	Fannie Mae security (typically followed by a two-letter code: CL, CI, etc.)
FRM	Fixed-rate mortgage
GEO	Mortgages by state
G-Fee	Government-sponsored entity fee
GN, G2	Ginnie Mae security (typically followed by a two-letter code: SF, JO, etc.)
GSE	Government-sponsored entity
GWAC	Gross-weighted average coupon
HAC	Hedge-adjusted carry
HARP	Home Affordable Refinance Program
HECM	Home equity conversion mortgage
HELOC	Home equity line of credit
HERA	Housing and Economic Recovery Act of 2008
HFA	Housing Finance Authority
HLB	High loan balance MBS
HPA	Home price appreciation
HPI	Home price index
HTB	Help-to-Buy scheme
HQLA	High-quality liquid assets
HR	Hedge ratio
HTM	Held-to-maturity
HY CDX	High yield credit default swap index
IIO	Inverse interest-only securities
IO	Interest-only
IOS	Interest-only swap
IG CDX	Investment grade credit default swap index
JPY	Japanese Yen
LCR	Liquidity coverage ratio
LLB	Low loan balance MBS
MBS	Mortgage Backed Securities
LLPA	Loan-level pricing adjustment
MBA	Mortgage Bankers Association
MHA	Making Home Affordable program
MIP	Mortgage insurance premium
MLB	Mid loan balance MBS
MMI	Mutual Mortgage Insurance

Source: BofA Global Research

Acronyms Description**Agency MBS**

MPE	Mortgage payment to earnings ratio
mREIT	Mortgage real-estate investment trust
MSR	Mortgage servicing rights
NHS	New home sales
NTB	Net tangible benefit
OC	Overcollateralisation
OO	Owner-occupied
P/S spread	Primary/Secondary spread
PAC	Planned Amortization Class CMO
PIH	Office of Public and Indian Housing
PIW	Property Inspection Waiver
PLS	Private label security
PMI (or MI)	Private mortgage insurance
PMMS	Primary mortgage market survey rate
PO	Principal-only MBS
PSA	Public Securities Association
PT	Passthrough MBS
RELO	Relocation loan
RESPA	Real Estate Settlement Procedures Act
RF	Reserve Fund
RHS	Rural Housing Service
RMBS	Residential mortgage-backed security
RRP	Reverse repurchase agreement
SATO	Spread at origination
SCRT	Seasoned Credit Risk Transfer Trust
SEQ	Sequential CMO
SLR	Supplementary leverage ratio
SMM	Single monthly mortality
TAC	Targeted Amortization Class CMO
TBA	To be announced securities
TFS	Term Funding Scheme (UK)
TIC	Treasury International Capital System
TILA	Truth in Lending Act
TRID	TILA/RESPA integrated disclosure
UMBS	Uniform MBS
USD	United States Dollar
USDA	United States Department of Agriculture
VA	Veterans Affairs
VADM	Very Accurately Defined Maturity CMO
VPR	Voluntary prepayment rate
ZVOAS	Zero-volatility option-adjusted spreads

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Table 5: Common Terminology – Non-agency MBS

Acronyms	Description
Non-agency MBS	
5/1 ARM	Loan has a fixed interest rate for the first 5 years. After 5 years, the rate can change once every year for the remaining life of the adjustable-rate mortgage
60+	60 or more days delinquent
90+	90 or more days delinquent
AC	Always Current
ATR	Ability to Repay
CAS	Connecticut Avenue Securities
CBDB	Current but delinquent before
C-D	Current-to-delinquent roll rate
CRT	Credit Risk Transfer
Cum Default	Cumulative Default
Cum Loss	Cumulative Loss
Cum prepay	Cumulative Prepayment
D180	Delinquent for 180 days or more
ERR	Enhanced Relief Refinance program
FCLR	Foreclosure
FRM	Fixed rate mortgages
FstBuy	First time home buyer
HOA	Hybrid Option ARM
Home Eq	Home Equity Loans or Subprime Loans
HUD	United States Department of Housing and Urban Development
ILN	Insurance Linked Note
LTD Loss	Loss to date
MILN	Mortgage Insurance Linked Note
NAIC	National Association of Insurance Commissioners
Neg am	Negative amortization
NIW	New insurance written
Non-agency RMBS	Non-agency residential mortgage backed securities
Non-QM	Non-Qualified Mortgages
NPL	Non-performing loans (securities or loans)
PMIERS	Primary Mortgage Insurer Eligibility Requirements – requirements set by Fannie Mae and Freddie Mac to insure loans acquired by either GSE
POA	Pay Option ARM
REMIC	Real Estate Mortgage Investment Conduit
REO	Real estate owned
ReREMIC	Resecuritization of real estate mortgage investment conduits
RIF	Risk in Force
RPL	Re-performing loans (securities or loans)
SA	Servicer Advance
SFR	Single Family Rental Securitizations
SLST	Freddie Mac Seasoned Loan Structured Transaction
STACR	Freddie Mac Structured Agency Credit Risk debt notes
VPR	Voluntary Prepayment Rate
XoL	Excess of Loss reinsurance

Source: BofA Global Research

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