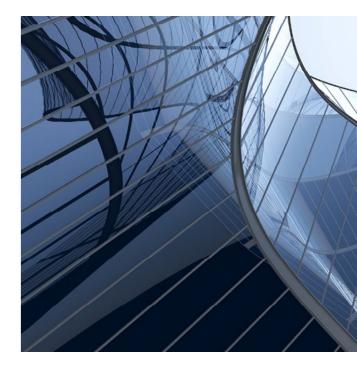


# **Floating-Rate Loan Market Monitor**

Floating-Rate Loan Group Q3 2023



## **Table of Contents**

A leader in floating-rate loan investment management, Eaton Vance presents Floating-Rate Loan Market Monitor, an in-depth review of the loan market through clear and impactful charts. Providing timely information across a broad array of topics relating to this distinctive asset class, Floating-Rate Loan Market Monitor serves as a helpful resource in providing connectivity between changing market events and implications for investors' loan allocation.

Use Floating-Rate Loan Market Monitor to educate on the loan market, provide updates on loan market conditions and explain the role of loans within portfolios.

ASSET CLASS REVIEW	MARKET UPDATE <b>8</b>	PORTFOLIO APPLICATIONS 19
COLLATERALIZED LOAN	ABOUT	ADDITIONAL
OBLIGATIONS	EATON VANCE	INFORMATION
<b>24</b>	<b>29</b>	<b>32</b>



If you are viewing this book on your computer or tablet, click or tap on the title box to jump to the beginning of each section.

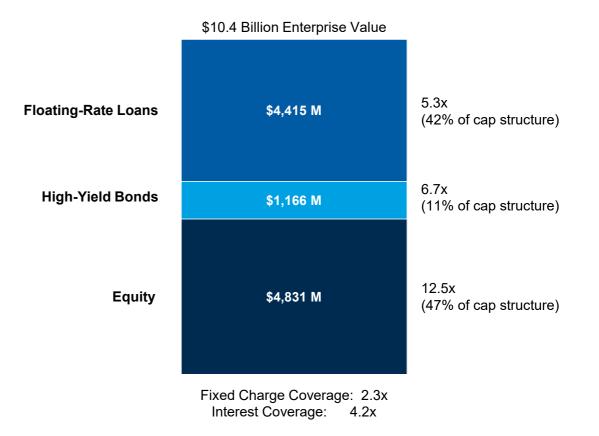
Data provided is for informational use only. See end of report for important additional information.

# **Asset Class Review**

# **Floating-Rate Loan Primer**

- Corporate debt issued by below-investment-grade borrowers
- Issuers are significant in size; many are familiar household names
- Loans help fund recapitalizations, acquisitions and refinancings
- Coupon income is comprised of a credit spread and floating base rate
- Loans are often referred to as "senior and secured":
  - Loans represent a senior layer of issuer capital structure
  - They are secured by specific collateral (property, plant, equipment, etc.) as well as overall enterprise value
  - Substantial junior capital cushion provides low loan-to-value
- Other common monikers: bank loans, leveraged loans, broadly syndicated loans, senior loans (all are synonymous)

### Weighted Average Company Capital Structure \$4.4B Revenue & \$833M EBITDA



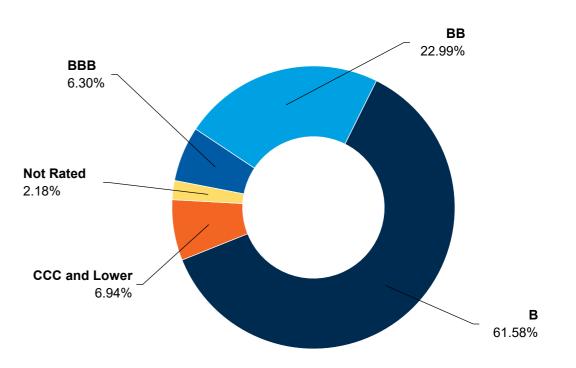
Source: Eaton Vance, December 31, 2022. Data provided is for informational use only. See end of material for important additional information and disclosures. The data is an average of all loans currently tracked across the Eaton Vance loan platform as of December 31, 2022. Does not represent any particular issuer or product. EBITDA is defined as earnings before interest taxes depreciation and amortization.

## **Floating-Rate Loan Market Dashboard**

#### **Index Statistics**

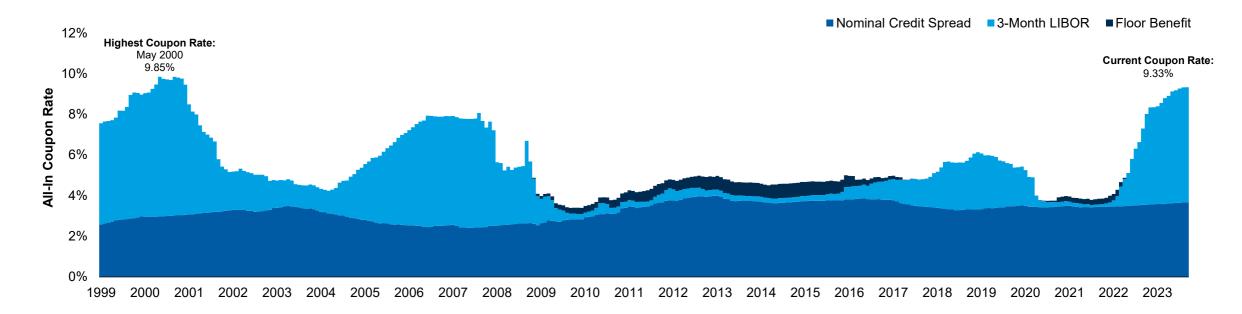
Total Par Outstanding (\$B)	\$1,408.04
Number of Issuers	1,198
Number of Facilities	1,523
Bid Price	\$95.56
Nominal Spread	368 bps
Discounted Spread (3 Years)	514 bps
Years to Maturity	4.22 yrs.
Yield to Maturity	10.30%
Default Rate	1.27%

### Index Rating Composition (at Market Value)



Source: Leveraged Commentary & Data (LCD), September 30, 2023. All data reflects the Morningstar LSTA US Leveraged Loan Index. Data provided is for informational and illustrative purposes only. It is not possible to invest directly in an index. See end of material for important additional information and disclosures. Spread, yield and maturity data excludes defaults. Index spread data includes the benefit of LIBOR floors. Default rate is by principle amount and measures the trailing 12-month period.

## **Floating-Rate Loan Income Composition**



	Nominal Credit Spread	3-Month LIBOR	Floor Benefit	All-In Coupon Rate
Current	3.68%	5.66%	0.00%	9.33%
Max Credit Spread (Jan 2013)	4.00%	0.30%	0.68%	4.97%
Min Credit Spread (June 2007)	2.42%	5.36%	0.00%	7.78%
Long-Term Averages	3.26%	2.18%	0.20%	5.62%
Post-Crisis Averages	3.57%	1.16%	0.37%	4.96%

Sources: Eaton Vance, Macrobond, and Leveraged Commentary & Data (LCD), September 30, 2023. All spread and LIBOR floor data reflects the Morningstar LSTA US Leveraged Loan Index. Data provided is for informational use only. Credit spread and floor benefit data are shown on a weighted average basis. LIBOR floors are a minimum base rate to be paid by a borrower before the fixed credit spread. The LIBOR floor benefit measures the difference between prevailing LIBOR rates and the average LIBOR floor. Data excludes facilities in default. Long-term and post-crisis averages measure the credit spread, 3-month LIBOR, the floor benefit, and the all-in coupon rate independently and therefore the individual components will not sum to the all-in coupon rate.

## **Top Loan Market Industries & Issuers**

Top 20 Industries	% of Index	Top 3 Issuers by Industry
Software	11.86%	Ultimate Software Group   NortonLifeLock   Internet Brands
Hotels, Restaurants & Leisure	5.40%	Restaurant Brands International   ARG IH Corp   The Stars Group
Health Care Providers & Services	5.22%	PetVet Care Centers   LifePoint Hospitals   BrightSpring Health Services
Media	4.18%	Cablevision Systems   Chart Communications   Authentic Brands
IT Services	4.08%	Asurion   Gainwell   Sedgwick CMS
Chemicals	3.86%	Akzo Nobel Chemicals   Ineos Group   Styrolution GmbH
Machinery	3.84%	Culligan International   ThyssenKrupp Elevator   Madison IAQ
Diversified Telecommunication Services	3.83%	SFR   Virgin Media   Zayo Group
Commercial Services & Supplies	3.66%	Allied Universal   ADT   Aramark
Capital Markets	3.25%	Citadel Securities   Focus Financial Partners   Edelman Financial Group
Specialty Retail	3.19%	Bass Pro Shops   Belron International   Pilot Travel Centers
Professional Services	3.05%	Nielsen Company   Transunion   CoreLogic
Insurance	2.88%	Acrisure   HUB International   AssuredPartners
Trading Companies & Distributors	2.80%	Avolon Aerospace   SRS Distribution   Univar
Containers & Packaging	2.27%	Berry Plastics   Hilex Poly Co   Reynolds Consumer Products
Health Care Technology	1.99%	Athenahealth   Verscend Technologies   Zelis Healthcare
Entertainment	1.95%	Ultimate Fighting Championship   IMG Worldwide   Renaissance Learning
Aerospace & Defense	1.78%	Peraton   TransDigm   Standard Aero
Oil, Gas & Consumable Fuels	1.71%	Buckeye Partners   Oryx Southern   Tallgrass Energy Partners
Pharmaceuticals	1.69%	Elanco Animal Health   Jazz Pharmaceuticals   Organon & Co.

Source: Leveraged Commentary & Data (LCD), September 30, 2023. Data provided is for informational and illustrative purposes only. This is an example only and is not intended to represent the allocation of any fund/account/strategy. This list represents the largest industries by market value in the Morningstar LSTA US Leveraged Loan Index, and the largest issuers within those industries based on market value. This information is not to be construed as investment advice or a recommendation to buy or sell any particular security.

# Market Update

## **Loan Market Performance & Characteristics in Context**

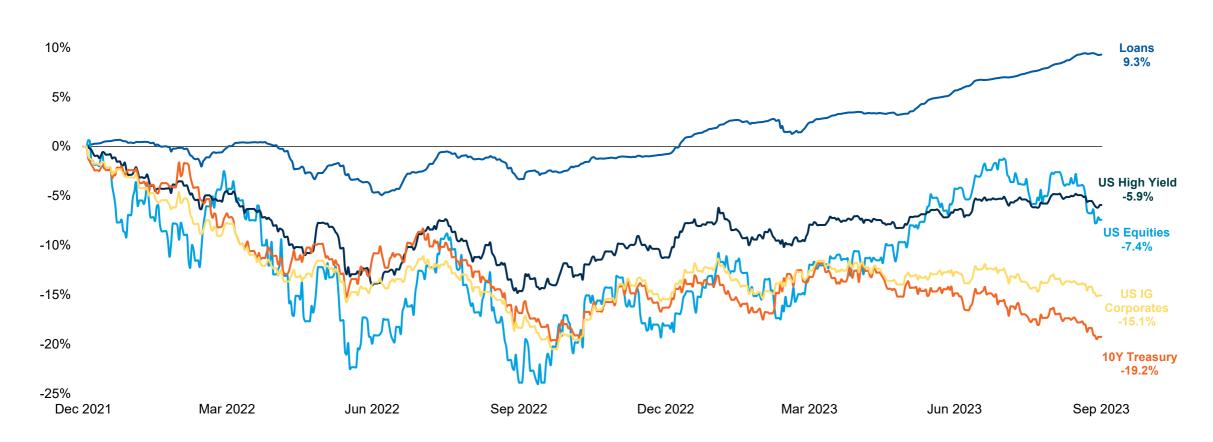
Past performance is not a reliable indicator of future results.

		Averages						Total Returns (%)				
Index	Coupon (%)	Price (\$)	Yield to Worst (%)	Spread (bps)	Maturity (yrs.)	Duration (yrs.)	3-Мо.	YTD	1Y	3Y	5Y	10Y
Floating-Rate Loans												
Morningstar LSTA U.S. Leveraged Loan Index	S+3.68	95.6	10.30	514	4.2	-	3.46	10.16	13.05	6.08	4.46	4.30
BBB Index	S+2.13	99.9	7.52	219	4.0	-	2.09	6.46	9.73	4.66	3.83	3.61
BB Index	S+2.92	99.1	8.54	327	4.6	-	2.21	7.27	11.36	5.34	3.87	3.82
B Index	S+3.92	97.0	10.29	510	4.2	-	3.85	11.31	14.31	6.28	4.82	4.57
CCC Index	S+4.82	80.0	19.39	1434	3.7	-	6.05	15.03	12.46	7.42	2.96	6.02
D Index	-	34.4	-	-	-	-	-3.08	-2.90	-32.39	-20.53	-24.24	-15.60
Morningstar LSTA U.S. Leveraged Loan 100 Index	S+3.35	97.1	9.63	446	4.4	-	3.09	9.66	13.77	5.25	4.17	3.86
Morningstar LSTA U.S. Middle Market Index	S+4.68	92.2	13.61	790	3.1	-	-	-	-	-	-	-
Morningstar European Leveraged Loan Index	E+3.94	96.4	8.87	507	4.1	-	4.17	11.53	15.33	5.44	3.77	4.09
Global Fixed Income Markets												
Bloomberg U.S. Aggregate Index	2.99	86.3	5.39	52	8.5	6.2	-3.23	-1.21	0.64	-5.21	0.10	1.13
U.S. Treasury	2.39	86.7	4.85	-	7.6	5.9	-3.06	-1.52	-0.81	-5.83	-0.07	0.63
U.S. Mortgage Backed Securities	2.97	84.2	5.57	66	8.4	6.4	-4.05	-2.26	-0.17	-5.09	-0.77	0.61
U.S. Asset Backed Securities	3.88	95.9	5.75	67	3.3	2.6	0.25	1.99	2.81	-0.80	1.48	1.49
U.S. Commercial Mortgage Backed Securities	3.09	87.5	6.12	130	4.9	4.4	-1.02	0.16	1.19	-3.77	0.99	1.60
U.S. Corp. Investment Grade	3.97	87.0	6.04	121	10.6	6.8	-3.09	0.02	3.65	-4.93	0.93	2.23
Bloomberg Global Aggregate Ex-U.S. Index	2.09	92.5	3.20	43	8.5	7.0	-4.00	-3.20	3.39	-8.39	-3.10	-1.73
Bloomberg Municipal Bond Index	4.52	96.7	4.32	-	13.0	6.4	-3.95	-1.38	2.66	-2.30	1.05	2.29
ICE BofA Preferred Index (Fixed Rate)	5.15	85.8	7.07	170	-	5.5	-1.18	3.37	3.54	-1.92	1.63	4.33
ICE BofA US High Yield Index	5.95	87.9	8.94	403	5.0	3.6	0.53	5.97	10.19	1.82	2.80	4.16
J.P. Morgan EM Bond Index (EMBI) Global Diversified	5.24	79.2	9.03	430	-	6.5	-2.23	1.76	10.01	-4.56	-0.35	2.47
J.P. Morgan Corp. EM Bond Index (CEMBI) Broad Diversified	4.81	88.3	7.75	301	-	4.2	-0.26	3.38	8.25	-1.49	2.08	3.42
J.P. Morgan Govt. Bond Index-EM (GBI-EM) Global Diversified	5.31	-	6.76	-	-	4.9	-3.26	4.28	13.10	-2.70	0.00	-0.84

Source: Bloomberg, J.P. Morgan, ICE BofA Data Indices, LLC, Factset, and Leveraged Commentary & Data (LCD), as of September 30, 2023. **Past performance is not a reliable indicator of future results**. Data provided is for informational use only. Indexes are unmanaged, do not reflect the deduction of fees and expenses, and are not available for direct investment. See end of material for important additional information and disclosures. Morningstar European Leveraged Loan Index returns are calculated ex-currency. S+ refers to SOFR as the base rate. E+ refers to Euribor as the base rate.

# Performance Analysis: Comparative Returns Over Current Rate Hiking Cycle

### **Cumulative Performance**

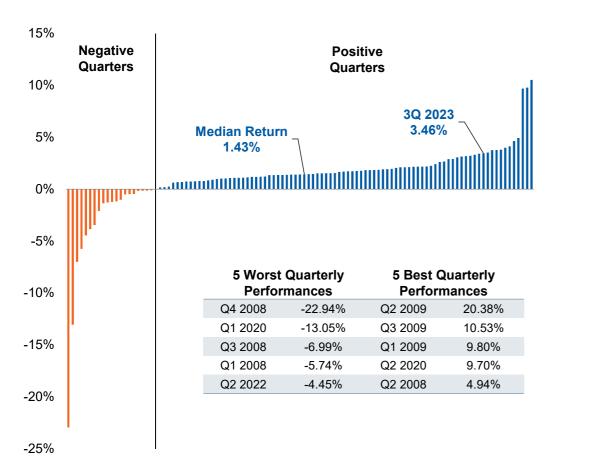


Source: Morningstar, Leveraged Commentary & Data (LCD), ICE Data Indices, LLC, September 30, 2023. Data provided is for informational use only. Indexes are unmanaged, do not reflect the deduction of fees and expenses, and are not available for direct investment. See end of material for important additional information and disclosures. Loans represented by Morningstar LSTA US Leveraged Loan Index. US Equities represented by S&P 500. US High Yield represented by ICE BofA US High Yield Index. US IG Corporates represented by ICE BofA US Corporate Index. 10Y Treasury represented by ICE BofA Current 10Y US Treasury Index.

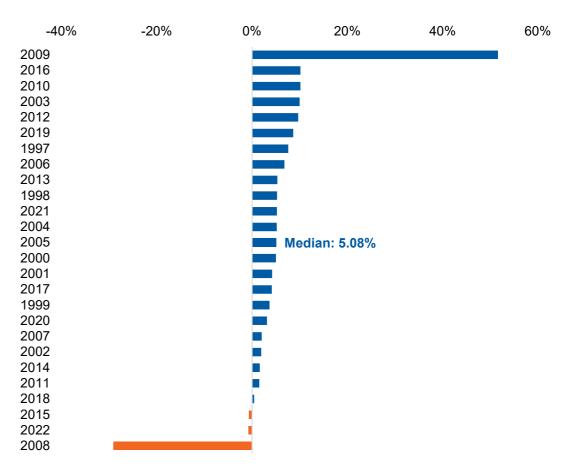
## Performance Analysis: Distribution of Quarterly & Annual Returns

Past performance is not a reliable indicator of future results.

## **Quarterly Returns**



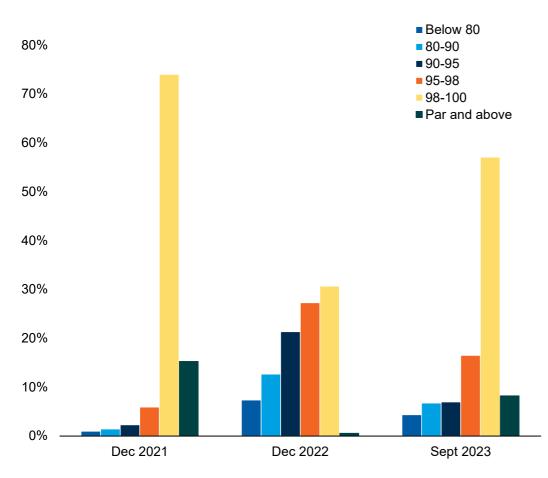
#### **Annual Returns**



Source: Leveraged Commentary & Data (LCD), September 30, 2023. Performance measures all quarterly and annual returns of the Morningstar LSTA US Leveraged Loan Index back to its inception in January 1997 and sorts them from lowest to highest. Data provided is for informational use only. Indexes are unmanaged, do not reflect the deduction of fees and expenses, and are not available for direct investment.

## **Floating-Rate Loan Price Composition**

**Price Distribution** 



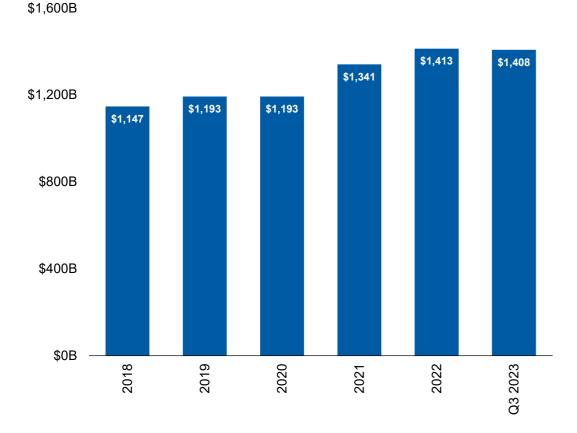
**Price by Credit Tier** 



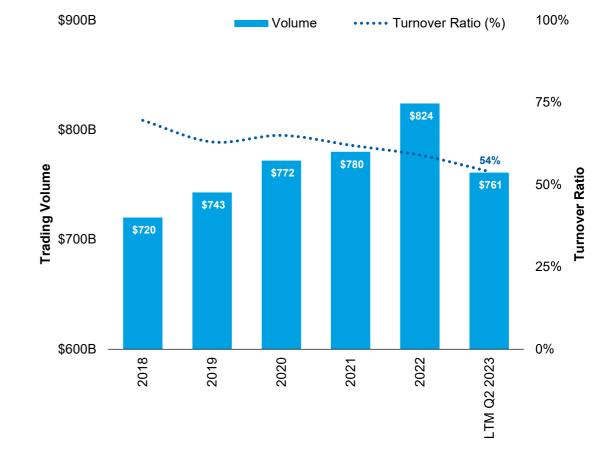
Source: Leveraged Commentary & Data (LCD), September 30, 2023. Data provided is for informational and illustrative purposes only. It is not possible to invest directly in an index. See end of material for important additional information and disclosures. Data includes performing loans only in the Morningstar LSTA US Leveraged Loan Index.

## **Technical Factors: Market Size & Trading Volume**

## Par Amount of Outstanding Loan Market



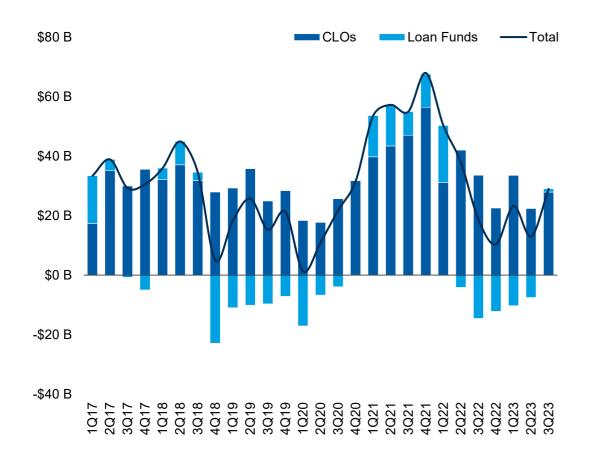
#### **Trading Volume and Annual Turnover**



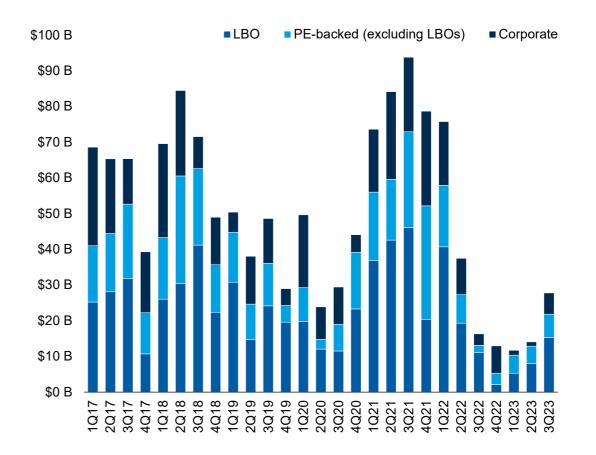
Source: Leveraged Commentary & Data (LCD), LSTA Trade Data Study. Par amount outstanding as of September 30, 2023. Trading and turnover as of June 30, 2023. Data provided is for informational use only. Amount of outstandings measures the Morningstar LSTA US Leveraged Loan Index. Trading and turnover data is sourced from 20 of the largest buy-side and sell-side member institutions of the LSTA.

# **Technical Factors: Loan Demand and M&A Volume**

## **Quarterly CLO Creation and Mutual Fund Flows**



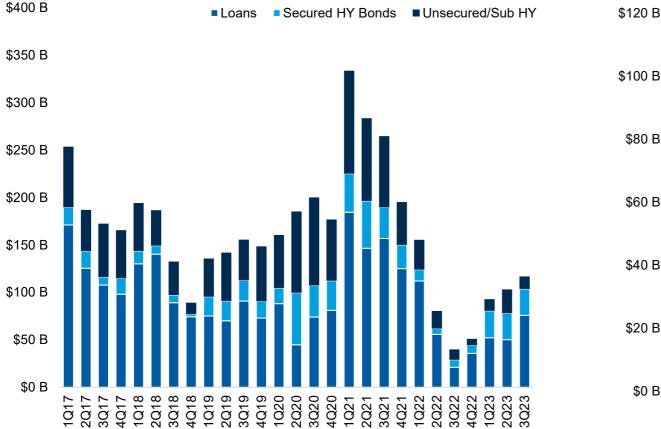
### Institutional Loan Volume Backing M&A



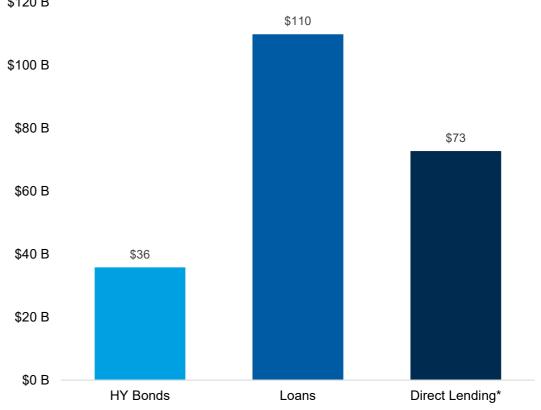
Source: Leveraged Commentary & Data (LCD), September 30, 2023. Data provided is for informational use only.

# Technical Factors: Loan Issuance Relative to High Yield and Private Credit

#### Leveraged Finance New Issue Volume



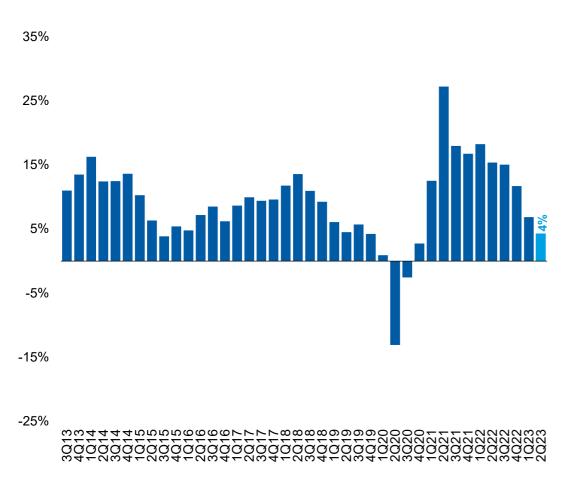
## YTD New Issue Volume for PE-Backed Borrowers



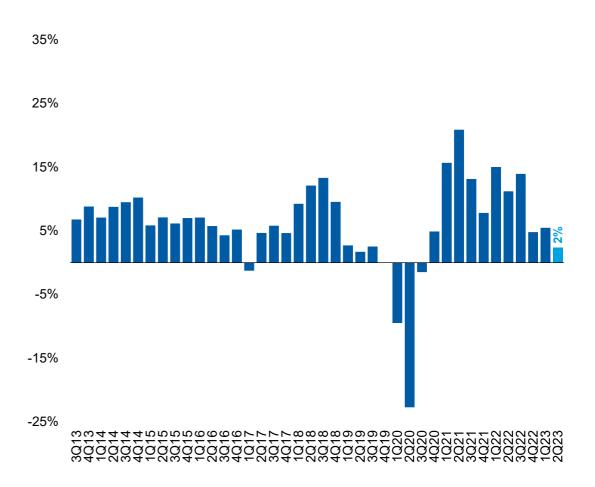
Source: Leveraged Commentary & Data (LCD), September 30, 2023. Data provided is for informational use only. \* Direct lending analysis is based on transactions covered by LCD News, including \$35B of known volume and an estimated 222 deals.

## **Fundamental Conditions: Revenue & Earnings Growth**

### Year-Over-Year Revenue Growth



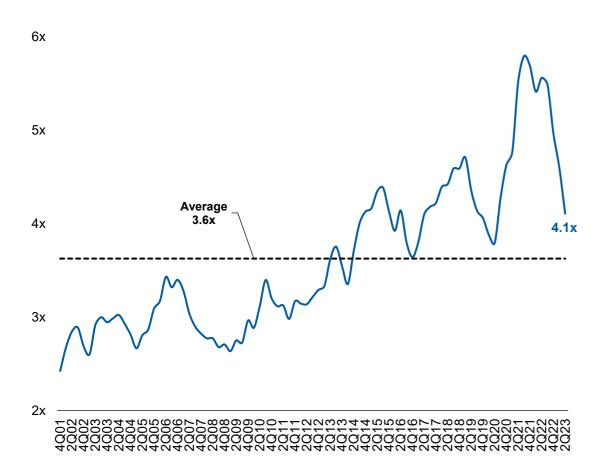
### Year-Over-Year EBITDA Growth



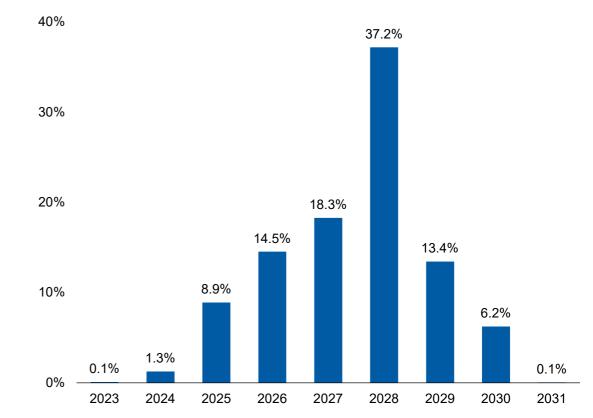
Source: Leveraged Commentary & Data (LCD), Q2 2023. Data provided is for informational use only. EBITDA refers to earnings before interest, taxes, depreciation and amortization. The data are based on approximately 150 public issuers included in the Morningstar LSTA US Leveraged Loan Index. See end of material for important additional information and disclosures.

# Fundamental Conditions: Interest Coverage & Maturity Profile

#### **Interest Coverage**

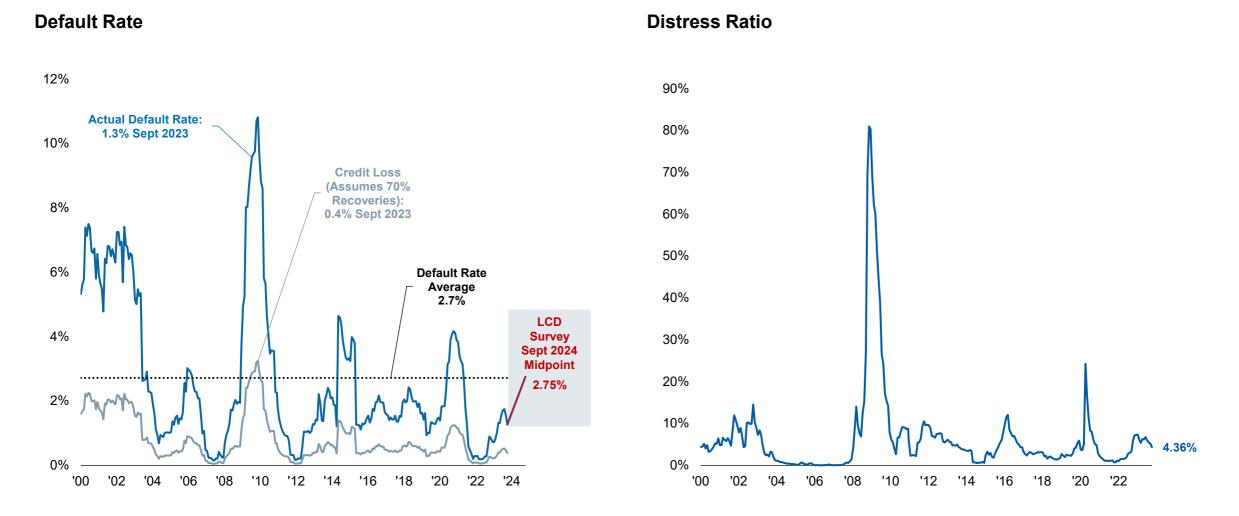


#### **Maturity Distribution**



Source: Leveraged Commentary & Data (LCD), as of September 30, 2023. Data provided is for informational use only. See end of material for important additional information and disclosures. Interest coverage as of Q2 2023 and based on approximately 150 public issuers in the Morningstar LSTA US Leveraged Loan Index. Maturity profile is based on the Morningstar LSTA US Leveraged Loan Index, excludes defaulted facilities, and is based on par amount outstanding.

## **Fundamental Conditions: Default Rate & Distress Ratio**



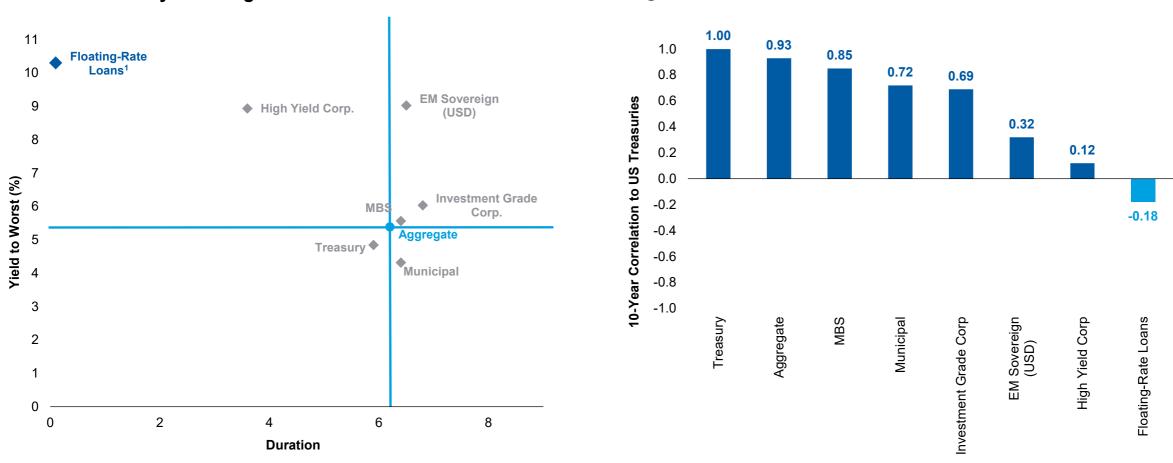
Source: Leveraged Commentary & Data (LCD), September 30, 2023. All data reflects the Morningstar LSTA US Leveraged Loan Index. Data provided is for informational use only. Default rate measures last 12 months by principal amount. Distress ratio measures the percent of performing loans trading below \$80.

# **Portfolio Applications**

Loans Historically Have High Yields and Near-Zero Duration

#### **PORTFOLIO APPLICATIONS**

## **Unique Profile May Complement Traditional Fixed-Rate Investments**



Negative Correlation to Core Bond Allocations

Sources: Eaton Vance, Bloomberg, JPMorgan, ICE Data Indices, LLC, and Leveraged Commentary & Data (LCD), as of September 30, 2023. Data provided is for informational use only. It is not possible to invest directly in an Index. Yield to worst is the lowest potential yield that can be received on a bond without an issuer actually defaulting. Duration is a measure of the sensitivity of a bond's price to a change in interest rates. Correlation is a statistical measure of how two securities perform in relation to each other. Treasury represented by Bloomberg U.S. Treasury Index. Aggregate represented by Bloomberg U.S. Aggregate Index. MBS represented by Bloomberg U.S. Mortgage Backed Securities (MBS) Index. Investment Grade Corp. represented by Bloomberg U.S. Corporate Index. Municipal represented by Bloomberg Municipal Bond Index. EM Sovereign (USD) represented by J.P. Morgan EM Bond Index (EMBI) Global Diversified Index. High Yield Corp. represented by ICE BofA US High Yield Index. Floating-Rate Loans represented by Morningstar LSTA US Leveraged Loan Index. <sup>1</sup>Yield to maturity is shown for loans.

#### **PORTFOLIO APPLICATIONS**

## **Historical Loan Returns in Context**

Past performance is not a reliable indicator of future results.

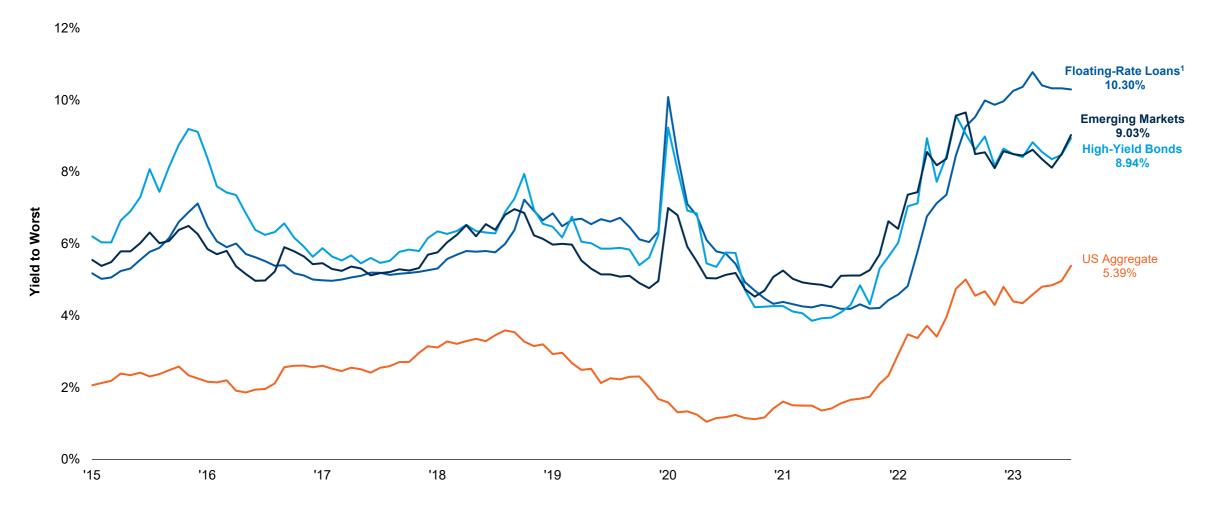
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD 2023
Higher ▲	High Yield <b>7.42</b>	Municipal <b>9.05</b>	Municipal <b>3.30</b>	High Yield <b>17.49</b>	EMD (Local Currency) <b>15.21</b>	Municipal <b>1.28</b>	Investment Grade <b>14.54</b>	Global Agg Ex-U.S. <b>10.11</b>	High Yield <b>5.36</b>	Bank Loan <b>-0.77</b>	Bank Loan <b>10.16</b>
	Bank Loan <b>5.29</b>	Investment Grade <b>7.46</b>	MBS 1.51	EMD (Hard Currency) <b>10.19</b>	Global Agg Ex-U.S. <b>10.51</b>	MBS <b>0.99</b>	EMD (Hard Currency) <b>14.42</b>	Investment Grade <b>9.89</b>	Bank Loan <b>5.20</b>	Municipal -8.53	High Yield <b>5.97</b>
	EMD (Corp. Bonds) <b>-0.60</b>	MBS 6.08	EMD (Corp. Bonds) <b>1.30</b>	Bank Loan <b>10.16</b>	EMD (Hard Currency) <b>9.32</b>	Treasury <b>0.86</b>	High Yield 14.41	Treasury <b>8.00</b>	Municipal <b>1.52</b>	High Yield <b>-11.22</b>	EMD (Local Currency) <b>4.28</b>
	MBS <b>-1.41</b>	EMD (Hard Currency) <b>5.53</b>	EMD (Hard Currency) <b>1.23</b>	EMD (Local Currency) <b>9.94</b>	EMD (Corp. Bonds) <b>7.96</b>	Bank Loan <b>0.44</b>	EMD (Local Currency) <b>13.47</b>	EMD (Corp. Bonds) <b>7.13</b>	EMD (Corp. Bonds) <b>0.91</b>	EMD (Local Currency) <b>-11.69</b>	EMD (Corp. Bonds) <b>3.38</b>
	Investment Grade <b>-1.53</b>	Treasury <b>5.05</b>	Treasury <b>0.84</b>	EMD (Corp. Bonds) <b>9.65</b>	High Yield <b>7.48</b>	EMD (Corp. Bonds) <b>-1.65</b>	EMD (Corp. Bonds) <b>13.09</b>	High Yield <b>6.17</b>	Investment Grade <b>-1.04</b>	MBS -11.81	EMD (Hard Currency) <b>1.09</b>
	Municipal <b>-2.55</b>	EMD (Corp. Bonds) <b>4.96</b>	Investment Grade <b>-0.68</b>	Investment Grade <b>6.11</b>	Investment Grade <b>6.42</b>	Global Agg Ex-U.S. <b>-2.15</b>	Bank Loan <b>8.64</b>	EMD (Hard Currency) <b>5.88</b>	MBS -1.04	EMD (Corp. Bonds) <b>-12.26</b>	Investment Grade <b>0.02</b>
	Treasury -2.75	High Yield <b>2.50</b>	Bank Loan <b>-0.69</b>	MBS <b>1.67</b>	Municipal <b>5.45</b>	High Yield <b>-2.26</b>	Municipal <b>7.54</b>	Municipal <b>5.21</b>	EMD (Hard Currency) <b>-1.51</b>	Treasury -12.46	Municipal <b>-1.38</b>
	Global Agg Ex-U.S. <b>-3.08</b>	Bank Loan <b>1.60</b>	High Yield <b>-4.64</b>	Global Agg Ex-U.S. <b>1.49</b>	Bank Loan <b>4.12</b>	Investment Grade <b>-2.51</b>	Treasury 6.86	MBS <b>3.87</b>	Treasury -2.32	Investment Grade <b>-15.76</b>	Treasury <b>-1.52</b>
	EMD (Hard Currency) <b>-6.58</b>	Global Agg Ex-U.S. <b>-3.08</b>	Global Agg Ex-U.S. <b>-6.02</b>	Treasury <b>1.04</b>	MBS 2.47	EMD (Hard Currency) <b>-4.61</b>	MBS 6.35	Bank Loan <b>3.12</b>	Global Agg Ex-U.S. <b>-7.05</b>	EMD (Hard Currency) <b>-16.45</b>	MBS -2.26
↓ Lower	EMD (Local Currency) <b>-8.98</b>	EMD (Local Currency) <b>-5.72</b>	EMD (Local Currency) <b>-14.92</b>	Municipal <b>0.25</b>	Treasury 2.31	EMD (Local Currency) -6.21	Global Agg Ex-U.S. <b>5.09</b>	EMD (Local Currency) <b>2.69</b>	EMD (Local Currency) <b>-8.75</b>	Global Agg Ex-U.S. <b>-18.70</b>	Global Agg Ex-U.S. <b>-3.20</b>

Source: Morningstar as of September 30, 2023. It is not possible to invest directly in an index. Data provided is for informational use only. See end of report for important additional information. Investment Grade represented by Bloomberg U.S. Corporate Index. MBS represented by Bloomberg U.S. Mortgage Backed Securities (MBS) Index. Treasury represented by Bloomberg U.S. Treasury Index. High Yield represented by ICE BofA US High Yield Index. Municipal represented by Bloomberg U.S. Treasury Index. Bank Loan represented by Morningstar LSTA U.S. Leveraged Loan Index. Global Agg Ex-U.S. represented by Bloomberg Global Aggregate Ex-USD Index. EMD (Local Currency) represented by J.P. Morgan Government Bond Index-Emerging Markets (GBI-EM) Global Diversified. EMD (Hard Currency) represented by J.P. Morgan Emerging Markets Bond Index (EMBI) Global Diversified. EMD (Corp. Bonds) represented by J.P. Morgan Corporate Emerging Market Bond Index (CEMBI) Broad Diversified.

#### **PORTFOLIO APPLICATIONS**

## **Starting Yields: Building Blocks of Future Returns**

Past performance is not a reliable indicator of future results.



Sources: Leveraged Commentary & Data (LCD), Bloomberg, ICE Data Indices, LLC, J.P. Morgan, September 30, 2023. Data provided is for informational use only. Loans represents the Morningstar LSTA US Leveraged Loan Index. High-Yield Bonds presents the ICE BofA US High Yield Index. Emerging Markets represents the J.P. Morgan EMBI Global Diversified. US Aggregate represents the Bloomberg US Aggregate Bond Index. <sup>1</sup>Yield to maturity is shown for loans. It is not possible to invest directly in an index.

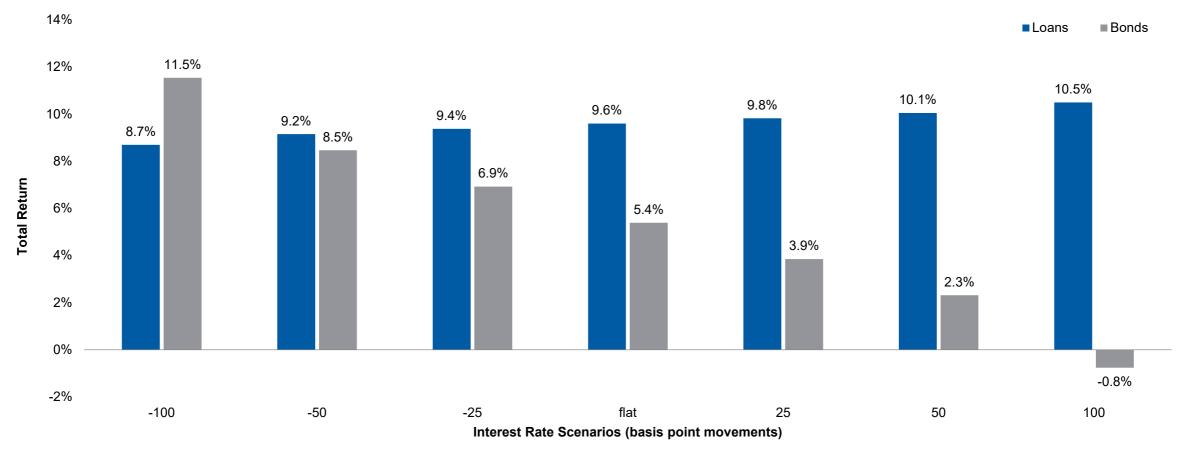
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#### **PORTFOLIO APPLICATIONS**

## Loan vs. Bond Performance in Various Interest-Rate Environments

Past performance is not a reliable indicator of future results.

## Hypothetical Returns in Various Rate Scenarios



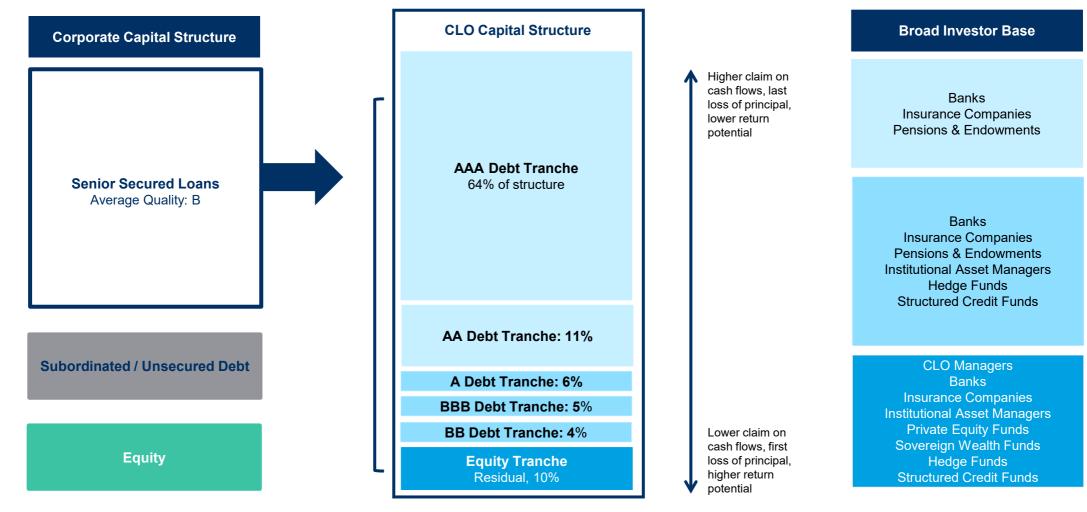
Sources: Eaton Vance, Bloomberg, Leveraged Commentary & Data (LCD), September 30, 2023. Bonds are represented by the Bloomberg U.S. Aggregate Index, with a yield of 5.4% and duration of 6.2 years. For loans, we use the Morningstar LSTA US Leveraged Loan Index, with a net yield of 9.6%, based on a market yield of 10.3%, reduced by 0.7% to account for expected defaults and recoveries—the average level observed by Eaton Vance over approximately 30 years. Duration is 0.1 years. Calculations are based on standard duration formula, assuming instantaneous rises in interest rates and adjustments of benchmark yields on loans. Chart represents projections based on various interest rate scenarios but is not intended to predict any particular scenario. The information is based, in part, on assumptions and the experience of Eaton Vance. Certain of the assumptions are unlikely to be realized. Changes in the assumptions and scenarios may have a material impact on the information shown. Data provided is for informational use only. It is not possible to invest directly in an Index. See end of report for important additional information.

# **Collateralized Loan Obligations (CLOs)**

**COLLATERALIZED LOAN OBLIGATIONS (CLOS)** 

## **Understanding CLO Securitization**

#### **Structure and Waterfall of Cash Flows**



Source: Eaton Vance. Shown for Illustrative purposes.

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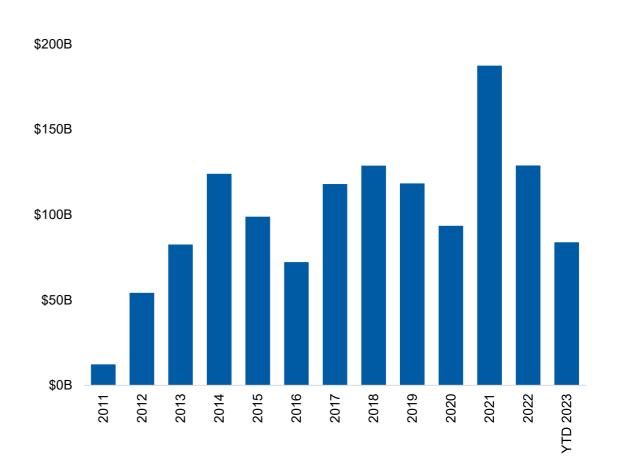
**CLO Market Size in Context** 

**COLLATERALIZED LOAN OBLIGATIONS (CLOS)** 

# **CLO Market Size & Issuance**

#### \$1,500B CLO Market Loan Market \$1,200B \$900B Outstandings \$600B \$300B \$0B 2003 2005 2009 2011 2013 2015 2019 2023 2007 2017 2021 2001

#### **US CLO Issuance**



Sources: Leveraged Commentary & Data (LCD), BofA Global Research as of September 30, 2023. Data provided is for informational use only. Loan market measured by par outstandings included in the Morningstar LSTA US Leveraged Loan Index.

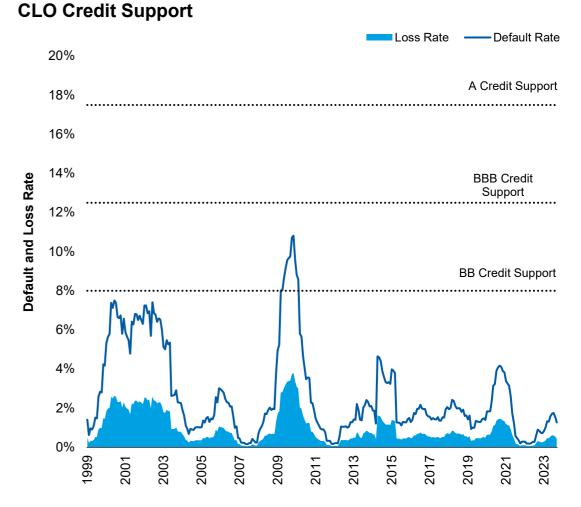
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**COLLATERALIZED LOAN OBLIGATIONS (CLOS)** 

# **CLO Debt Profile & Credit Support**

## Average Capital Structure for U.S. CLOs

Rating	Credit Enhancement	Discount Margin (bps)	Price
AAA	36%	170	\$99.4
AA	25%	232	\$98.7
A	17%	291	\$98.1
BBB	13%	458	\$95.9
BB	8%	925	\$88.9



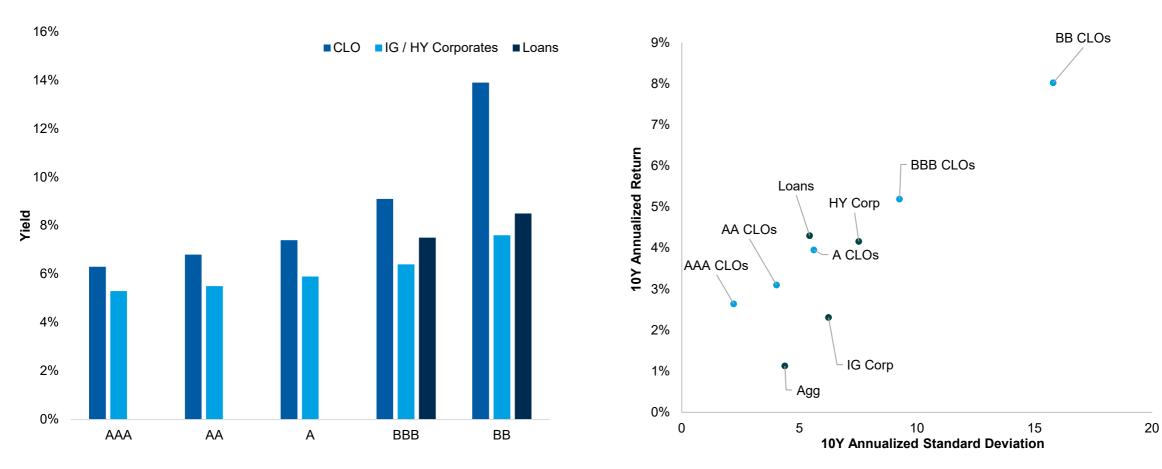
Sources: Eaton Vance, J.P. Morgan, ICE Data Indices, LLC, Leveraged Commentary & Data (LCD), September 30, 2023. Data provided is for informational use only. All CLO data measures CLO tranches issued after the 2008 financial crisis. Loan data represented by the Morningstar LSTA US Leveraged Loan Index. US IG Corps represented by the ICE BofA US Corporate Index. US HY Corp represented by the ICE BofA US High Yield Index. Default and loss rates measure the Morningstar LSTA US Leveraged Loan Index, with loss rates based on 65% recovery assumption.

#### **COLLATERALIZED LOAN OBLIGATIONS (CLOS)**

# **CLO Debt: Higher Yields Rating for Rating**

Past performance is not a reliable indicator of future results.

## Yields by Credit Tier



**Risk/Return Profile** 

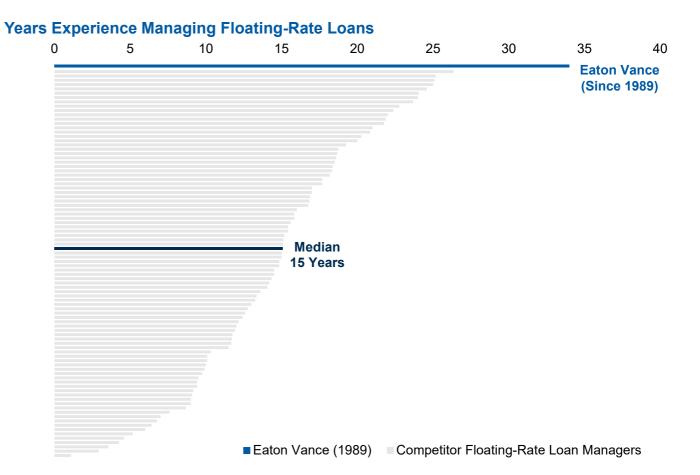
# Sources: ICE Data Indices LLC, Leveraged Commentary & Data (LCD), JP Morgan and Zephyr StyleADVISOR. As of September 30, 2023. CLOs represented by the JP Morgan CLOIE Index. IG corporate data measures credit tiers of the ICE BofA US Corporate Index. HY corporate data measures credit tiers of the ICE BofA US High Yield Index. Agg represents the Bloomberg US Aggregate Bond Index. The index performance is provided for illustrative purposes only and is not meant to depict the performance of a specific investment.

# **About Eaton Vance**

#### EATON VANCE FOR FLOATING-RATE LOANS

## The Advantage of Eaton Vance's Experience

- Premier manager with more than 30 years loan market experience
- 40+ member team dedicated exclusively to loan management
- Systematic risk-weighted portfolio construction underpinned by bottom-up credit research
- Dedicated to excellence in investment outcomes and client relationships



Source: eVestment, December 31, 2022. Past performance is not a reliable indicator of future results. Data provided is for informational use only. It is not possible to invest directly in an Index. See end of material for important additional information and disclosures. Based on eVestment Floating-Rate Bank Loan Fixed Income universe using oldest investment offering for each firm.

#### EATON VANCE FOR FLOATING-RATE LOANS

## **Investment Team With Extensive Contiguous Experience**

3 Years at the Firm

Anish Guha, CFA

5 Years at the Firm

Matthew Leigh

Research Associate

1 Year at the Firm

1 Year of Experience

Christine Belinsky

<1 Year of Experience

Research Associate

<1 Year at the Firm

Senior Research Associate

5 Years of Experience

#### **TEAM LEADERSHIP**

Andrew Sveen, CFA

Head of Floating-Rate Loans. Portfolio Manager 28 Years of Experience 24 Years at the Firm

#### **CREDIT RESEARCH & PORTFOLIO MANAGEMENT**

Ralph Hinckley, CFA Senior Credit Analyst, Portfolio Manager 26 Years of Experience 20 Years at the Firm

Jeff Hesselbein, CFA Senior Credit Analyst, Portfolio Manager 26 Years of Experience 23 Years at the Firm

Sarah Choi Senior Credit Analvst. Portfolio Manager 16 Years of Experience 3 Years at the Firm

Victoria Moore Credit Analyst 5 Years of Experience 1 Year at the Firm

Ellen Green, CFA Research Associate 4 Years of Experience 4 Years at the Firm

**Chris Mellen** Research Associate <1 Year of Experience <1 Year at the Firm

**Catherine McDermott** Senior Credit Analyst. Portfolio Manager 35 Years of Experience 22 Years at the Firm

Heath Christensen, CFA Brian Hickey, CFA Senior Credit Analyst, Senior Credit Analyst Portfolio Manager 26 Years of Experience 24 Years of Experience 20 Years at the Firm

Daniel McElaney, CFA Senior Credit Analyst. 12 Years of Experience Portfolio Manager 20 Years of Experience 18 Years at the Firm

Kristina Schneider, CFA Senior Credit Analyst 7 Years of Experience <1 Year at the Firm

Joseph Goff, CFA

Senior Credit Analvst

<1 Year at the Firm

Erik Manditch, CFA Senior Research Associate 5 Years of Experience 5 Years at the Firm

**Carly Heffernan** Research Associate 1 Year of Experience 1 Year at the Firm

Michael Turgel, CFA Audrey Grant, CFA Senior Credit Analyst, Senior Credit Analyst Portfolio Manager 8 Years of Experience 20 Years of Experience 7 Years at the Firm 17 Years at the Firm

> Alex Apostolidis, CFA Senior Credit Analyst 7 Years of Experience 6 Years at the Firm

Javier de Haro Credit Analvst 7 Years of Experience <1 Year at the Firm

#### TRADING

Jake Lemle, CFA Head of Loan Trading & Capital Markets. Portfolio Manager 16 Years of Experience 16 Years at the Firm

Kathrvn Thompson White Trader, Portfolio Manager 11 Years of Experience 4 Years at the Firm

Elizabeth McDonough Trading Associate 9 Years of Experience 9 Years at the Firm

#### **CLO MANAGEMENT**

Michael Kinahan, CFA\* Head of CLO Management 36 Years of Experience 25 Years at the Firm

Edward Greenaway, CFA Head of CLO Portfolio Management 17 Years of Experience 15 Years at the Firm

John Brodbine CLO Analvst 22 Years of Experience 19 Years at the Firm

Phil Hansen CLO Analyst 4 Years of Experience 1 Year at the Firm

Head of CLO Structuring & Capital Markets 15 Years of Experience 1 Year at the Firm

Steve Sebo

Phil Dillon CLO Analvst 13 Years of Experience 3 Years at the Firm

**PRODUCT & PORTFOLIO STRATEGY** 

7 Operations/Compliance Professionals

**Sheetal Shroff** CLO Analyst 18 Years of Experience 15 Years at the Firm

#### **ADVISORY**

Patrick Daniello Credit Advisorv 36 Years of Experience 4 Years at the Firm

**Christopher Remington** Institutional Portfolio Manager 23 Years of Experience 15 Years at the Firm

**Robert Holmes, CFA** Senior Portfolio Specialist 11 Years of Experience 11 Years at the Firm

**OPERATIONS** 

Michael Botthof Head of Floating Rate Investment Operations 33 Years of Experience 26 Years at the Firm

Employee data and tenure as of September 30, 2023. Team members may change, without notice, from time to time. \* Michael Kinahan will retire from the firm on December 31, 2023.

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**Duration** – Securities with longer durations tend to be more sensitive to interest rate changes than securities with shorter durations. Equity – Equity investment values are sensitive to stock market volatility. Gov't Agency – While certain U.S. Government-sponsored agencies may be chartered or sponsored by acts of Congress, their securities are neither issued nor guaranteed by the U.S. Treasury. Maturity – Longer-term bonds typically are more sensitive to interest rate changes than shorter-term bonds. Prepayment – MBS – Mortgage-backed securities are subject to prepayment risk. Smaller Companies – Smaller companies are generally subject to greater price fluctuations, limited liquidity, higher transaction costs and higher investment risk than larger, established companies.

**Yield to Worst** is a measure which reflects the lowest potential yield earned on a bond without the issuer defaulting. The yield to worst is calculated by making worst-case scenario assumptions by calculating the returns that would be received if provisions, including prepayment, call or sinking fund, are used by the issuer

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Elements of this report include comparisons of different asset classes, each of which has distinct risk and return characteristics. Every investment carries risk, and principal values and performance will fluctuate with all asset classes shown, sometimes substantially. Asset classes shown are not insured by the FDIC and are not deposits or other obligations of, or guaranteed by, any depository institution. All asset classes shown are subject to risks, including possible loss of principal invested.

The principal risks involved with investing in the asset classes shown are interest-rate risk, credit risk and liquidity risk, with each asset class shown offering a distinct combination of these risks. Generally, considered along a spectrum of risks and return potential, U.S. Treasury securities (which are guaranteed as to the payment of principal and interest by the U.S. government) offer lower credit risk, higher levels of liquidity, higher interest-rate risk and lower return potential, whereas asset classes such as high-yield corporate bonds and emerging market bonds offer higher credit risk, lower levels of liquidity, lower interest-rate risk and higher return potential. Other asset classes shown carry different levels of each of these risk and return characteristics, and as a result generally fall varying degrees along the risk/return spectrum.

Costs and expenses associated with investing in asset classes shown will vary, sometimes substantially, depending upon specific investment vehicles chosen. No investment in the asset classes shown is insured or guaranteed, unless explicitly stated for a specific investment vehicle. Interest income earned on asset classes shown is subject to ordinary federal, state and local income taxes, excepting U.S. Treasury securities (exempt from state and local income taxes) and municipal securities (exempt from federal income taxes, with certain securities exempt from federal, state and local income taxes). In addition, federal and/or state capital gains taxes may apply to investments that are sold at a profit. Eaton Vance does not provide tax or legal advice. Prospective investors should consult with a tax or legal advisor before making any investment decision.

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**Bloomberg Global Aggregate Ex-USD Index** is a broad-based measure of global Investment Grade fixed-rate debt investments, excluding USD-denominated debt.

Bloomberg Municipal Bond Index is an unmanaged index of municipal bonds traded in the U.S.

**Bloomberg U.S. Agency Index** measures agency securities issued by U.S government agencies, quasi-federal corporations, and corporate or foreign debt guaranteed by the U.S. government

**Bloomberg U.S. Aggregate Index** is an unmanaged index of domestic investment-grade bonds, including corporate, government and mortgage-backed securities

**Bloomberg U.S. Asset Backed Securities (ABS) Index** measures ABS with the following collateral type: credit and charge card, auto, and utility loans

**Bloomberg U.S. CMBS Index** measures the market of conduit and fusion CMBS deals with a minimum current deal size of \$300mn

**Bloomberg U.S. Corporate Investment Grade Index** is an unmanaged index that measures the performance of investment-grade corporate securities within the Barclays U.S. Aggregate Index

Bloomberg U.S. Mortgage Backed Securities (MBS) Index measures agency mortgage-backed passthrough securities issued by GNMA, FNMA, and FHLMC

Bloomberg U.S. Treasury Index measures public debt instruments issued by the U.S. Treasury

**ICE BofA Current 10-Year US Treasury Index** is a one-security index comprised of the most recently issued 10-year US Treasury note.

**ICE BofA US Corporate Index** tracks the performance of US dollar denominated investment grade corporate debt publicly issued in the US domestic market.

**ICE BofA Fixed Rate Preferred Securities Index** is an unmanaged index of fixed-rate, preferred securities issued in the U.S.

**ICE BofA US High Yield Index** tracks the performance of US dollar denominated below investment grade corporate debt publicly issued in the US domestic market.

**J.P. Morgan Corporate Emerging Markets Bond Index (CEMBI) Broad Diversified** is an unmanaged index of USD-denominated emerging market corporate bonds.

**J.P. Morgan Emerging Markets Bond Index (EMBI) Global Diversified** is an unmanaged index of USD-denominated bonds with maturities of more than one year issued by emerging markets governments.

J.P. Morgan Government Bond Index-Emerging Markets (GBI-EM) Global Diversified is an unmanaged index of local-currency bonds with maturities of more than one year issued by emerging market governments

**Morningstar LSTA US Leveraged Loan Index** is an unmanaged index of the institutional leveraged loan market.

**Morningstar LSTA US Leveraged Loan 100 Index** is an unmanaged index designed to measure the performance of the 100 largest facilities in the US leveraged loan market. Index constituents are market-value weighted, subject to a single loan facility weight cap of 2%.

**Morningstar European Leveraged Loan Index** is a market-value weighted multi-currency index designed to measure the performance of the European leveraged loan market.

**Standard & Poor's 500 Index** is an unmanaged index of large-cap stocks commonly used as a measure of U.S. stock market performance.

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Source of all data: Eaton Vance, as of September 30, 2023, unless otherwise specified.

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