# Peer Analysis and Balance Sheet Strategies Update



November 14, 2024



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### **Presenters**



Andrew Paolillo
Vice President, Director of Member Strategies + Solutions



Derek Hamilton
Senior Financial Strategist



### **Overview**

- Markets & Economy Update
- Peer Analysis & Call Report Trends
- Balance Sheet Strategies



### **Poll Question**

# Where will the Fed Funds range be at the end of December **2025**?

A: **Hard Landing**: Upper limit at 2.00% or lower

B: **Medium Landing**: Upper limit at 2.25-3.00%

C: **Soft Landing**: Upper limit at 3.25-4.00%

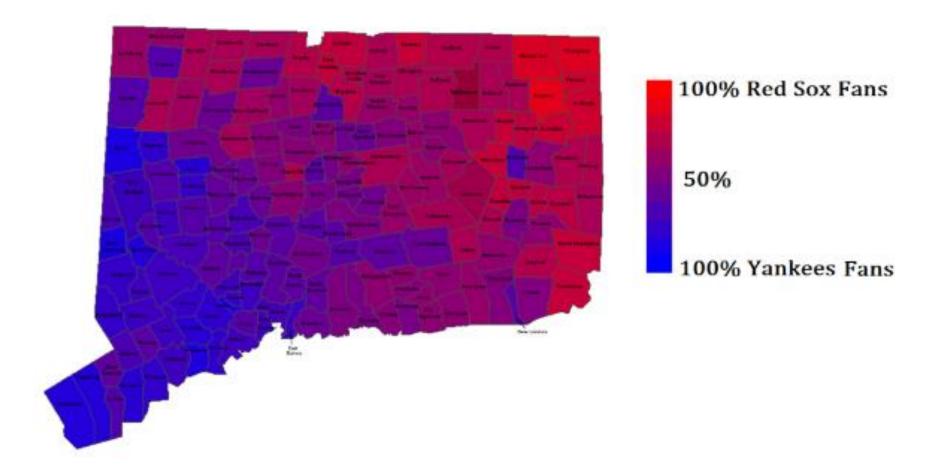
D: **Higher for Longer**: Upper limit at 4.25% or higher

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### Where is the Munson-Nixon Line?

South and west of Torrington, Hartford and Middletown, the reaction to the outcome of the World Series was different if you went north and east.



# Markets & Economy Update





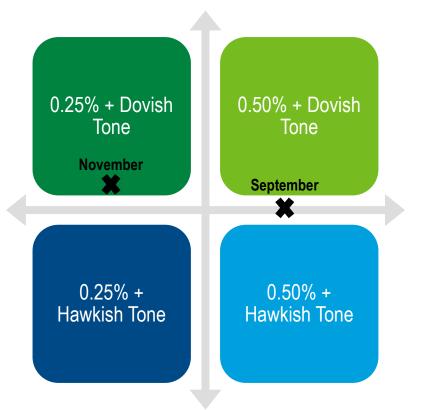
### **Markets & Economy Update**

- The Fed
- Labor Markets
- The Yield Curve
- Equity Markets



### The Fed's Dual Mandate

Commentary struck a balance between noting the economy's risks and it's continued strength.



Commentary from the November Fed meeting
Hawkish comments Dovish comments
Changes from September

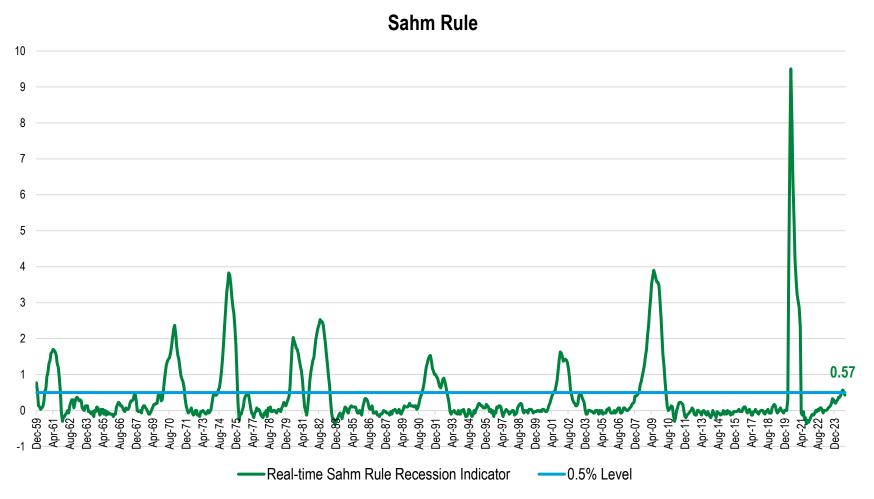
- Economy is strong.
- Labor market has cooled from its formerly overheated state and remains solid.
- The unemployment rate is notably higher than it was a year ago but has edged down and remains low.
- Inflation remains somewhat elevated
- Expecting 2% GDP growth over the next couple of years.
- Investment in equipment and intangibles has strengthened.
- Activity in the housing sector has been weak.
- The labor market is not a source of significant inflationary pressures.
- Longer-term inflation expectations appear to remain well anchored.
- We see the risks to achieving our employment and inflation as being roughly in balance, and we are attentive to the risks to both sides of our mandate.

Source: Federal Reserve, FHLBank Boston



### **Monitoring the Labor Markets**

Historically, the data shows that when the three-month moving average of unemployment rises by 0.50% relative to the minimum three-month average from the previous 12 months, that is a signal that a recession has started.

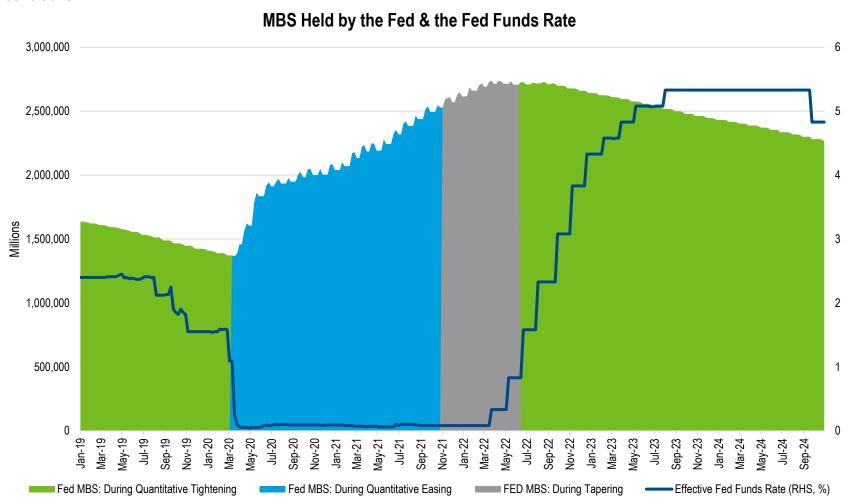


Source: Sahm, Claudia, Real-time Sahm Rule Recession Indicator [SAHMREALTIME], retrieved from FRED, Federal Reserve Bank of St. Louis; https://fred.stlouisfed.org/series/SAHMREALTIME, November 13, 2024



### **Lingering Effects of Quantitative Easing**

Rate cuts are a pivot to monetary easing, while the Fed's \$2 trillion retained bond portfolio slowly running off tightens conditions.

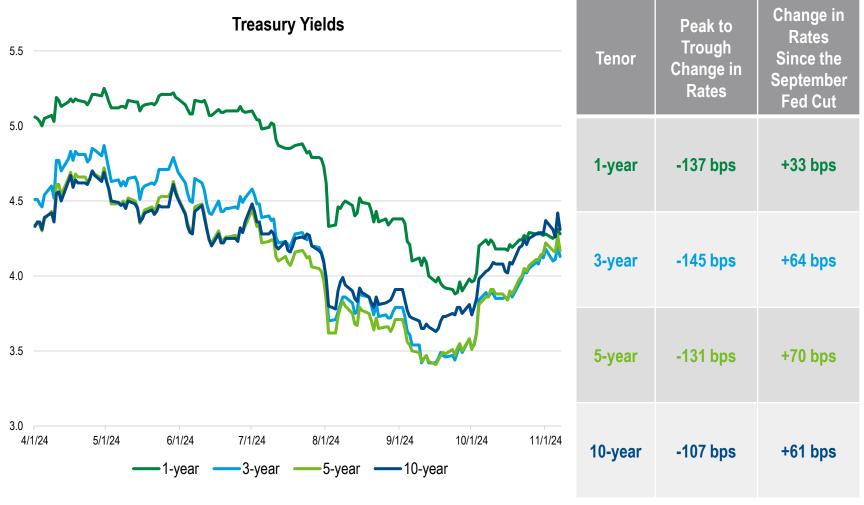


Source: Federal Reserve Bank of St. Louis, FHLBank Boston



### Weren't Rates Supposed to be Going Lower?

From May to September, the yield curve rallied aggressively and priced in a very accommodative path for short-term rates. Now that rate cuts have started, intermediate term rates have moved sharply in the other direction.

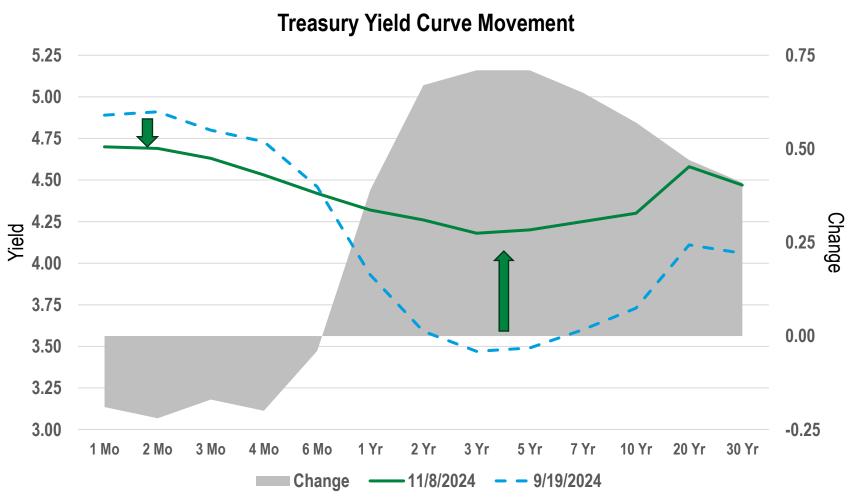


Source: Federal Reserve Bank of St. Louis, FHLBank Boston



### **Yield Curve Shifts**

Since the Fed cut short-term rates, the yield curve has bear steepened with long rates moving higher.

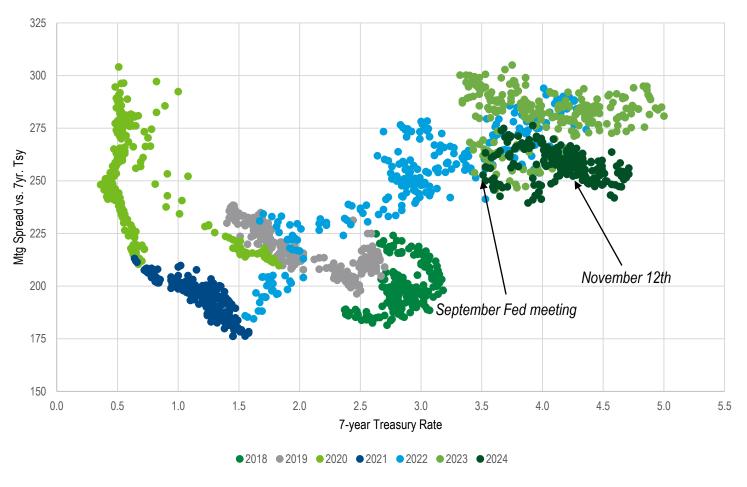


Source: Federal Reserve Bank of St. Louis, FHLBank Boston



### **Mortgage Spreads**

Mortgage spreads continue to tighten from the wide levels of 2023, as intermediate rates remain relatively high.

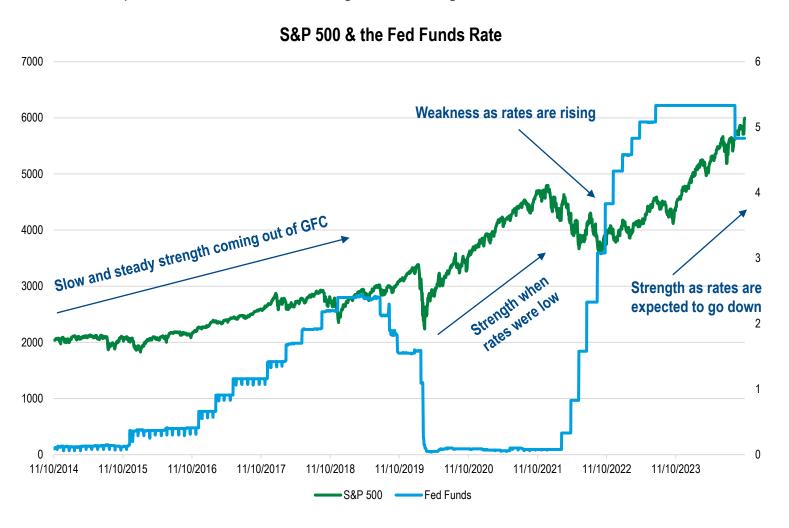


Source: Optimal Blue, Federal Reserve Bank of St. Louis, FHLBank Boston



### **Broader Equity Markets**

What is the relationship between the level/direction/magnitude of change in interest rates, and the stock market?



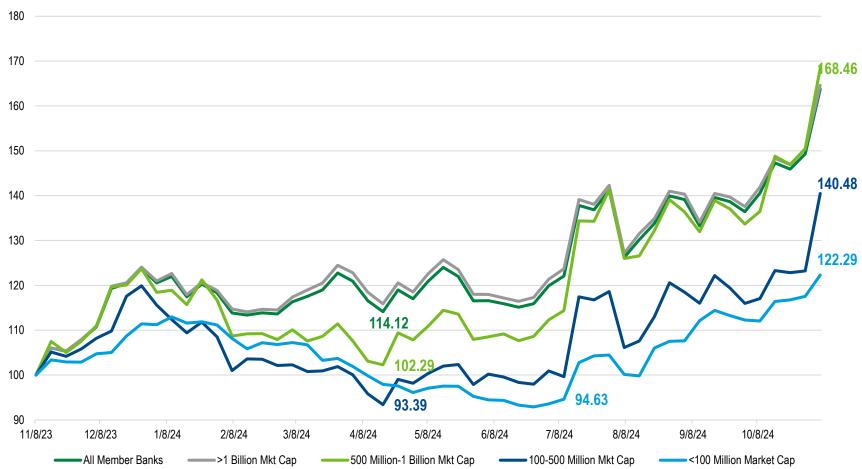
Source: Federal Reserve Bank of St. Louis, FHLBank Boston



### **Banking Industry Stock Performance**

Bank stocks have shown considerable strength as rate cuts approached and the yield curve steepened.





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# Peer Analysis & Call Report Trends





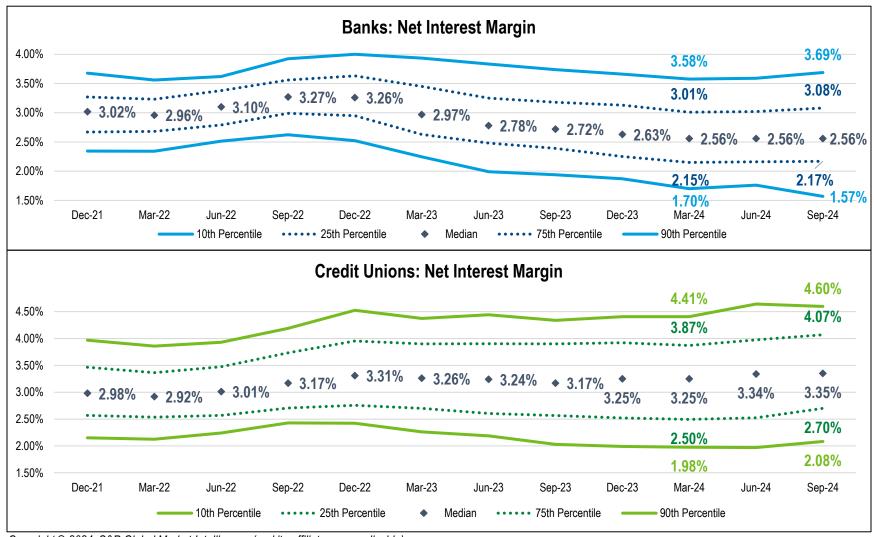
### **Peer Analysis & Call Report Trends**

- Margin
- Deposit Composition
- Interest-Rate Risk
- Credit Trends
- Investments
- Growth, Earnings & Capital



### Is Net Interest Margin Recovering?

The margin tailwinds are more prevalent for credit unions, whereas for banks it's been more narrowly focused.

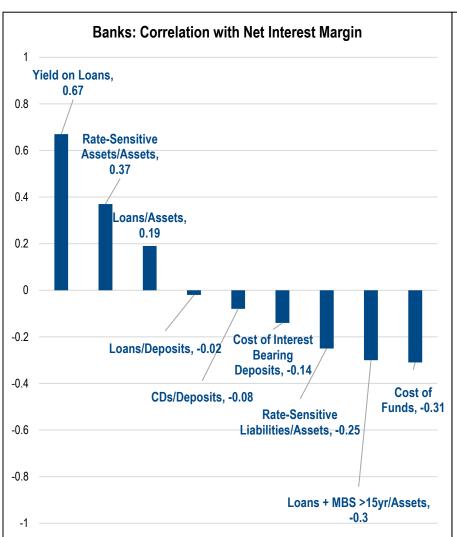


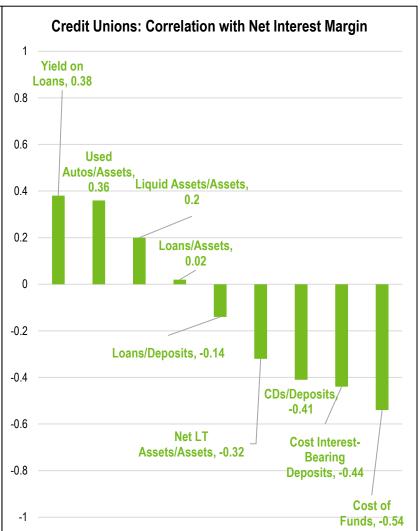
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### **What's Driving Margin?**

Credit union liability composition has a stronger relationship with NIM than asset structure. For banks, it's the opposite.



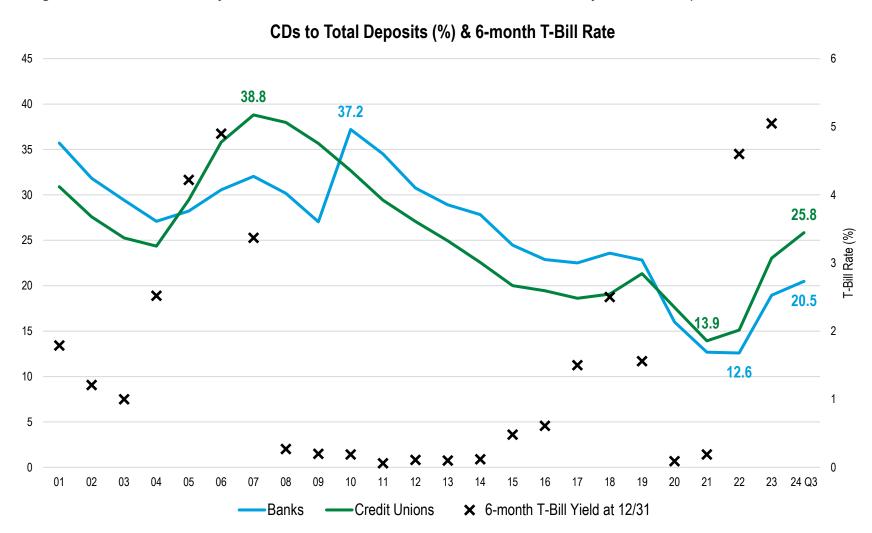


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### **Secular Shift in Deposit Composition**

High rates over the last two years has stemmed some of the multi-decade drift away from term deposits.



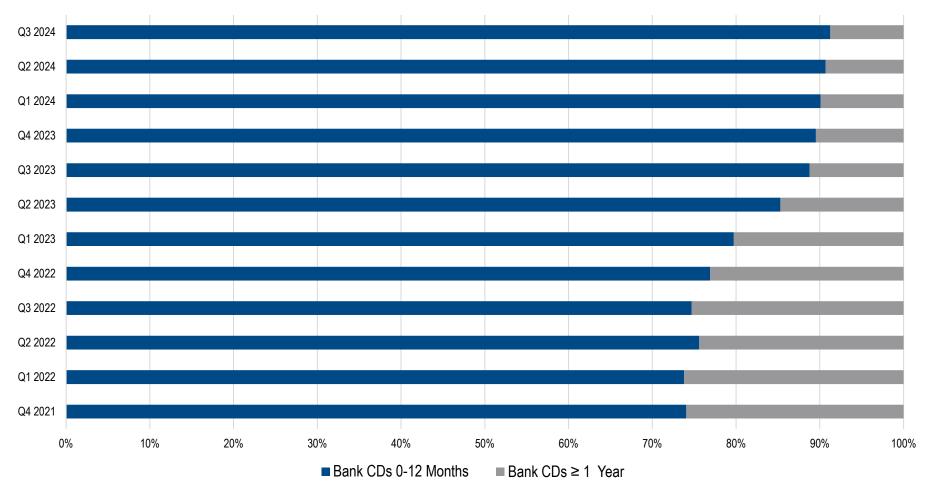
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### **Banks: Certificates of Deposit Maturity Profile**

Maturities have shortened over the last two years, with the amount inside of one year going from 75% to over 90%.





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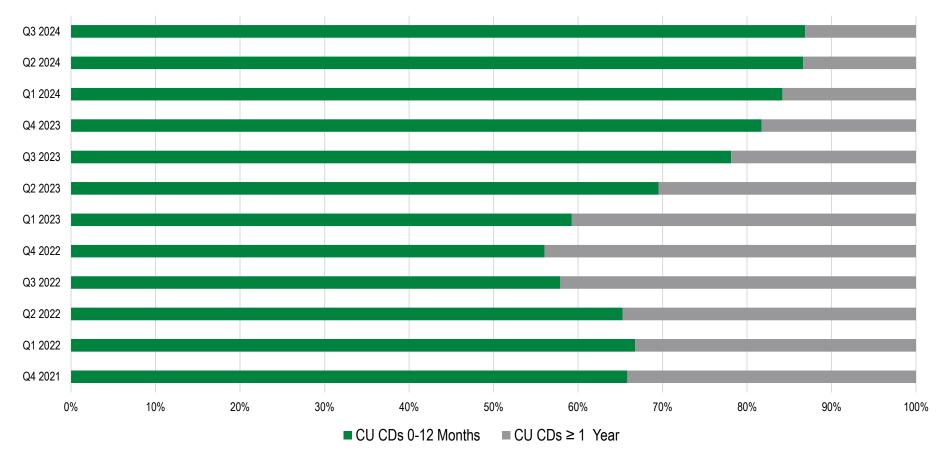
Source: S&P Global, FHLBank Boston



### **Credit Unions: Certificates of Deposit Maturity Profile**

The CD book briefly lengthened in 2022 as rates were rising but has pivoted to a shortening much like banks have seen.

#### **Credit Unions: CD Maturity Distribution**



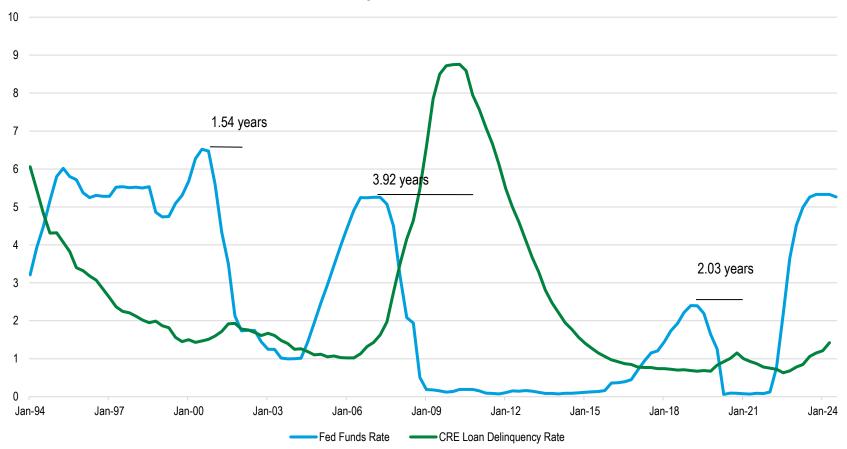
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### **Peak Delinquencies and Peak Rates**

The lag between peak rates and peak delinquencies over the last three cycles has ranged from one and a half to four years. If this cycle follows trend, commercial loans delinquencies could continue rising and peak in 2025 or 2026.

#### **CRE Loan Delinquencies and the Fed Funds Rate**



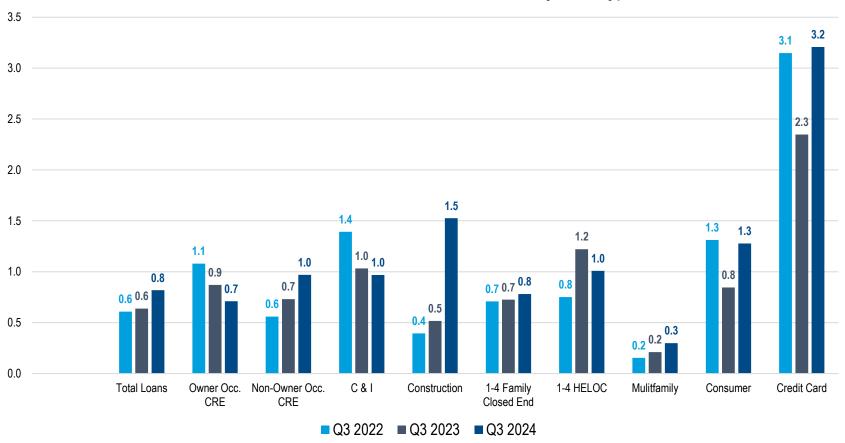
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### **Banks: Credit Performance**

Non-owner occupied commercial real estate, consumer and construction loans have seen the biggest ticks up in stress.

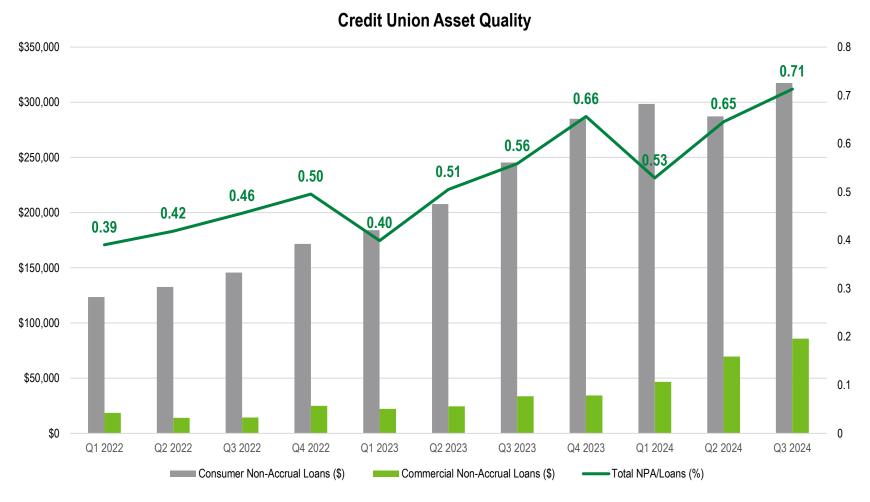
Banks: % of Loans Past Due + Non-Accrual by Loan Type





### **Credit Unions: Credit Performance**

The amount of non-accrual loans is trending higher for both consumer and commercial activity, albeit from low starting points.

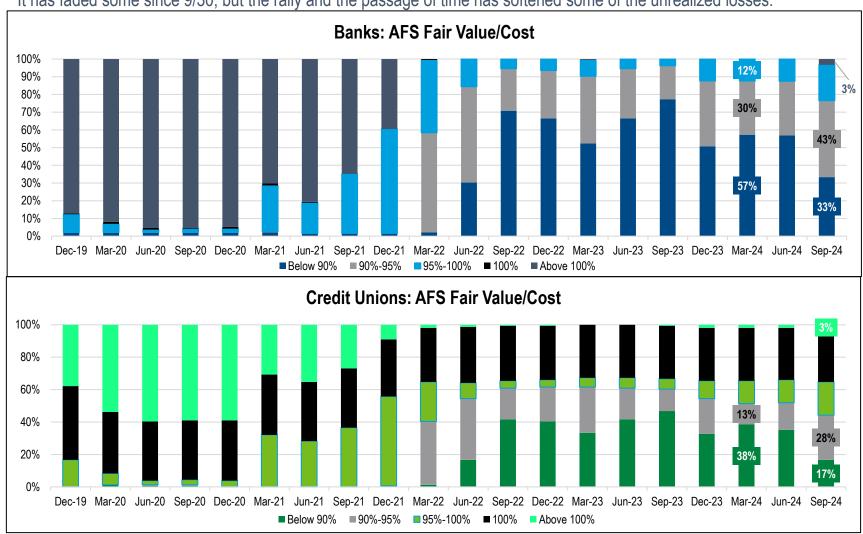


Source: S&P Global, FHLBank Boston



### **Investment Portfolio Marks**

It has faded some since 9/30, but the rally and the passage of time has softened some of the unrealized losses.



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Source: S&P Global. FHLBank Boston

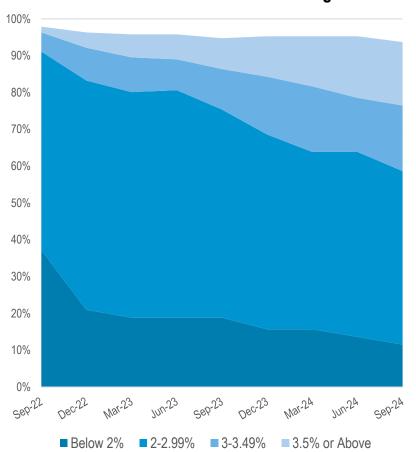
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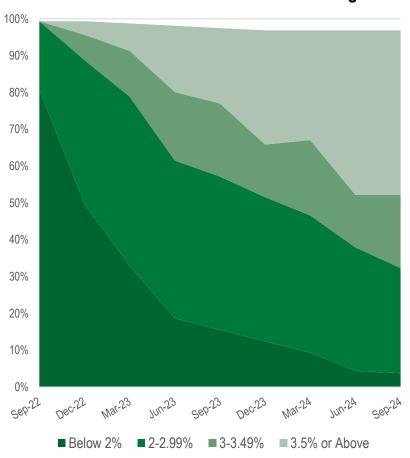
### **Investment Yields Continue to Rebound**

For those whose liquidity and ALM profile has allowed it, the rise in medium- to long-term rates has led to an accelerated repricing of the investment portfolios that grew for many during 2020 and 2021.

% of Banks: Investment Yield Ranges



% of Credit Unions: Investment Yield Ranges



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Source: S&P Global, FHLBank Boston

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### **OCC Interest-Rate Risk Results**

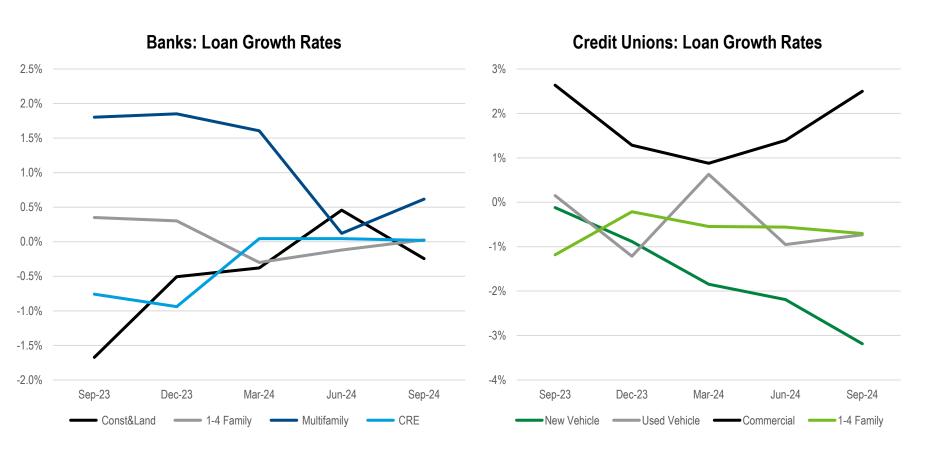
The OCC produces a semi-annual report on how interest rate shocks would impact banks. The current report reflects asset sensitivity across institutions relating to both NII and EVE results. Compared to Fall 2023 results, OCC banks look to be less reactive to both downward and upward rate shocks.

	12-Month NII Parallel Shocks			E\	EVE Parallel Shocks			
	25th Percentile	Median	75th Percentile	25th Percentile	Median	75th Percentile		
Down 200	-8%	-3%	1%	-7%	2%	9%		
Down 100	-4%	-1%	1%	-2%	2%	6%		
Up 100	-2%	1%	3%	-7%	-3%	1%		
Up 200	-4%	1%	6%	-15%	-6%	1%		
Up 300	-7%	1%	8%	-23%	-10%	0%		
Up 400	-10%	0%	10%	-30%	-13%	0%		



### **Loan Growth**

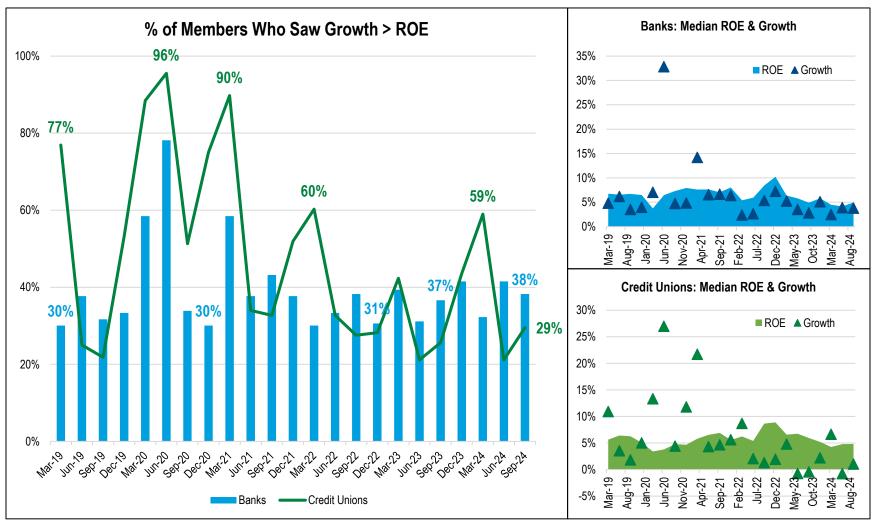
While members' loan growth in aggregate is relatively flat, there is significant offsetting movements within loan types.





### Growth, Earnings & the Impact on Capital

With earnings under pressure, it doesn't take much growth to see a reduction in capital ratios.



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## **Balance Sheet Strategies**





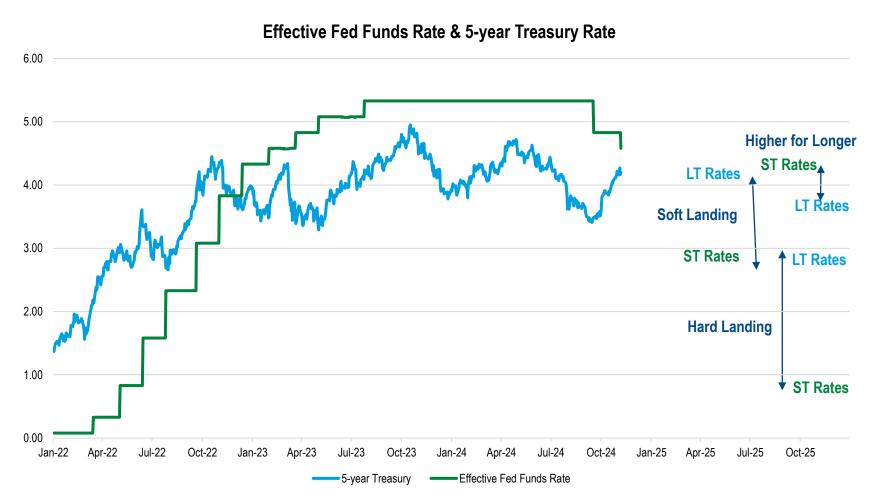
### **Balance Sheet Strategies**

- Macro Thoughts
- Advance Solutions
- Floating-Rate Funding with Flexibility
- Investment Leverage
- Deposit Pricing & Marginal Cost of Funds



### Where Do We Go From Here?

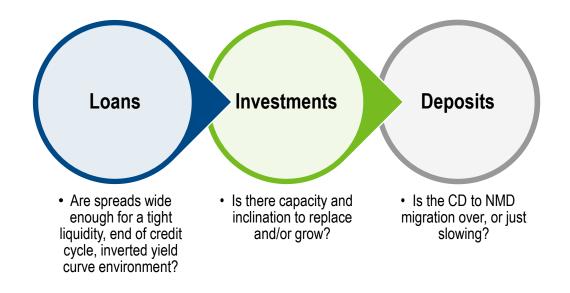
The timing, magnitude and even direction of intermediate rates may be just as or more impactful than the oft-discussed path of short-term rates.



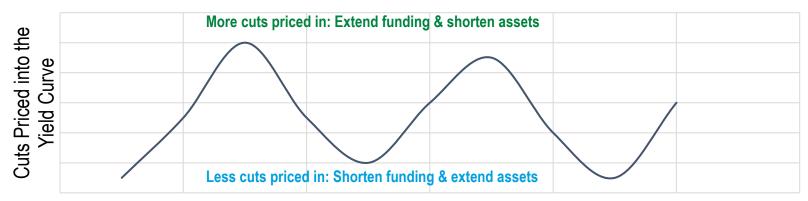
Source: Federal Reserve Bank of St. Louis, FHLBank Boston

### **Lending, Investment & Deposit Questions**

Balancing today's interest-rate and liquidity risk profile vs. the expected future state.



#### **Yield Curve Gyrations & Incremental Tactical Adjustments**





### **Advance Solutions**

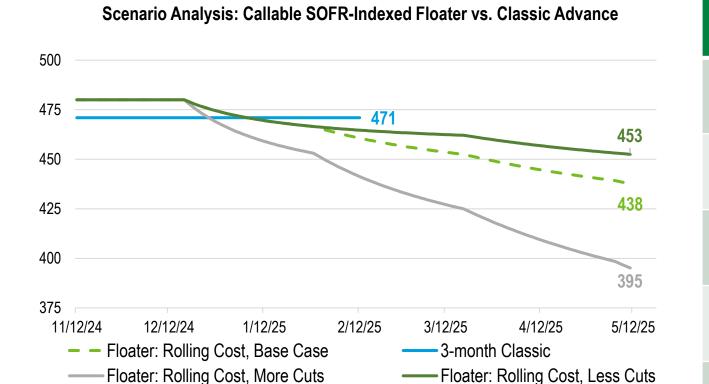
What combination of risks and return objectives are unique to your institution?

Feature	SOFR- Indexed Advance	Callable SOFR- Indexed Floater Advance	Discount Note Auction- Floater Advance	SOFR Flipper Advance	HLB-Option Advance	Member- Option Advance
Term Liquidity Protection	Yes	Yes	Yes	Yes	Yes	Yes
Term Rate Protection	No	No	No	No	Yes	Yes
Reduced Funding Costs at Initiation	N/A	N/A	N/A	Yes	Yes	No
Frequent Repricing	Yes	Yes	Yes	Yes	No	No
Coupon Type	Floating	Floating	Floating	Floating to Fixed	Fixed	Fixed
Who Owns the Option?	N/A	Member	Member	FHLBank Boston	FHLBank Boston	Member



### Floating-Rate Funding with Flexibility

Term liquidity protection with a coupon that resets as short rates move- with the option to efficiently pay down the advance if wholesale funding is no longer needed.



Cuts Priced in: 3 months	Cuts Priced in: 6 months	Cuts Priced in: 9 months	Cuts Priced in: 12 months
~1	~2	~2-3	~3

#### Potential Drivers for Exercising the Call Feature

Outperformance on deposit growth

Underperformance on loan growth

Investment or loan sales

Acceleration in prepayment speeds

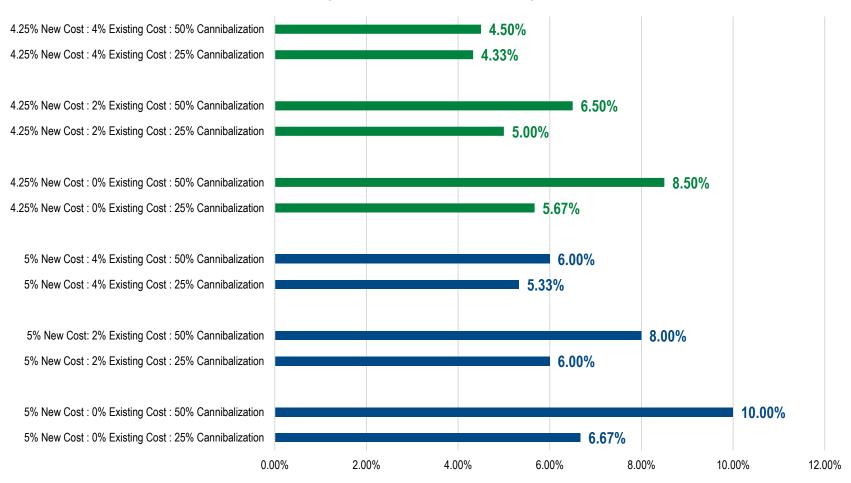
Repositioning the tenor and coupon type of wholesale funding needs



### **Marginal Cost of Funds**

Lower replacement rates and higher existing yields make marginal costs less volatile- but we're still not out of the woods on deposit pricing and controlling cost of funds.

#### **Marginal Cost of Funds Analysis**

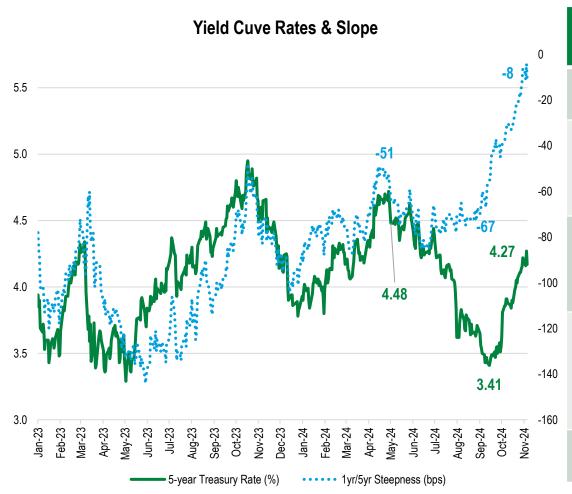


Classification: Public Source: FHLBank Boston 38



### **Investment Leverage Opportunities**

It may seem counterintuitive given liquidity and interest-rate risk pressures, but wide spreads and asset duration can support net interest income and position the balance sheet favorably in a pivot to rate cuts.



### Investment Funding Considerations

1-year tenor is typically the cheapest point (jn terms of spread) on the advance curve

~3-5 year asset vs. ~1-2 year funding can be IRR neutral now and liability sensitive long-term- which mitigates the "swoosh" income simulation profile

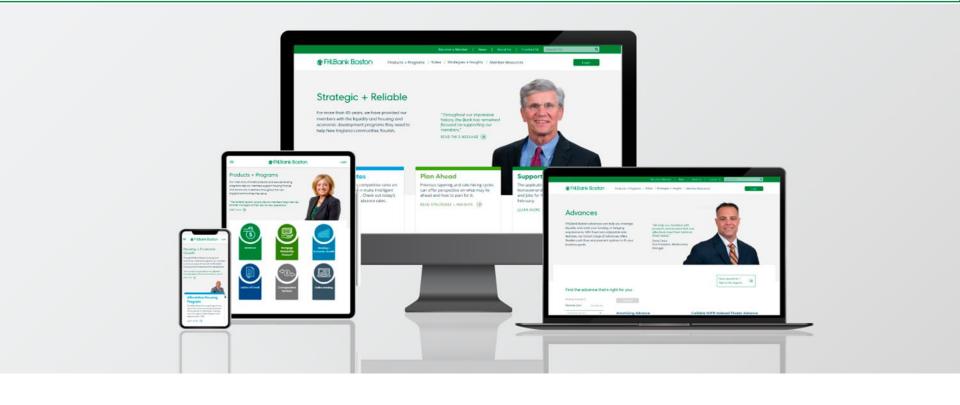
With the curve less inverted and closer to flat now, clearing a return hurdle is less reliant on rate positioning and driven more by asset & liability spread

Incorporate HLB-Option Advance to enhance spread; potential extension risk may be manageable with tenor selection and recovery in fixed-rate mortgage values (EVE/NEV)

Floating rate and/or callable funding can be a useful tool to manage shifting risk profiles

Source: Federal Reserve Bank of St. Louis, FHLBank Boston





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### Thank You







Derek Hamilton

Derek.Hamilton@fhlbboston.com

617-292-9680

