

How It Works: HLB-Option Advance



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What is the HLB-Option Advance?

The HLB-Option Advance allows you to borrow at lower rates than would typically be available on Classic Advances by selling the option to FHLBank Boston to cancel the advance prior to final maturity.

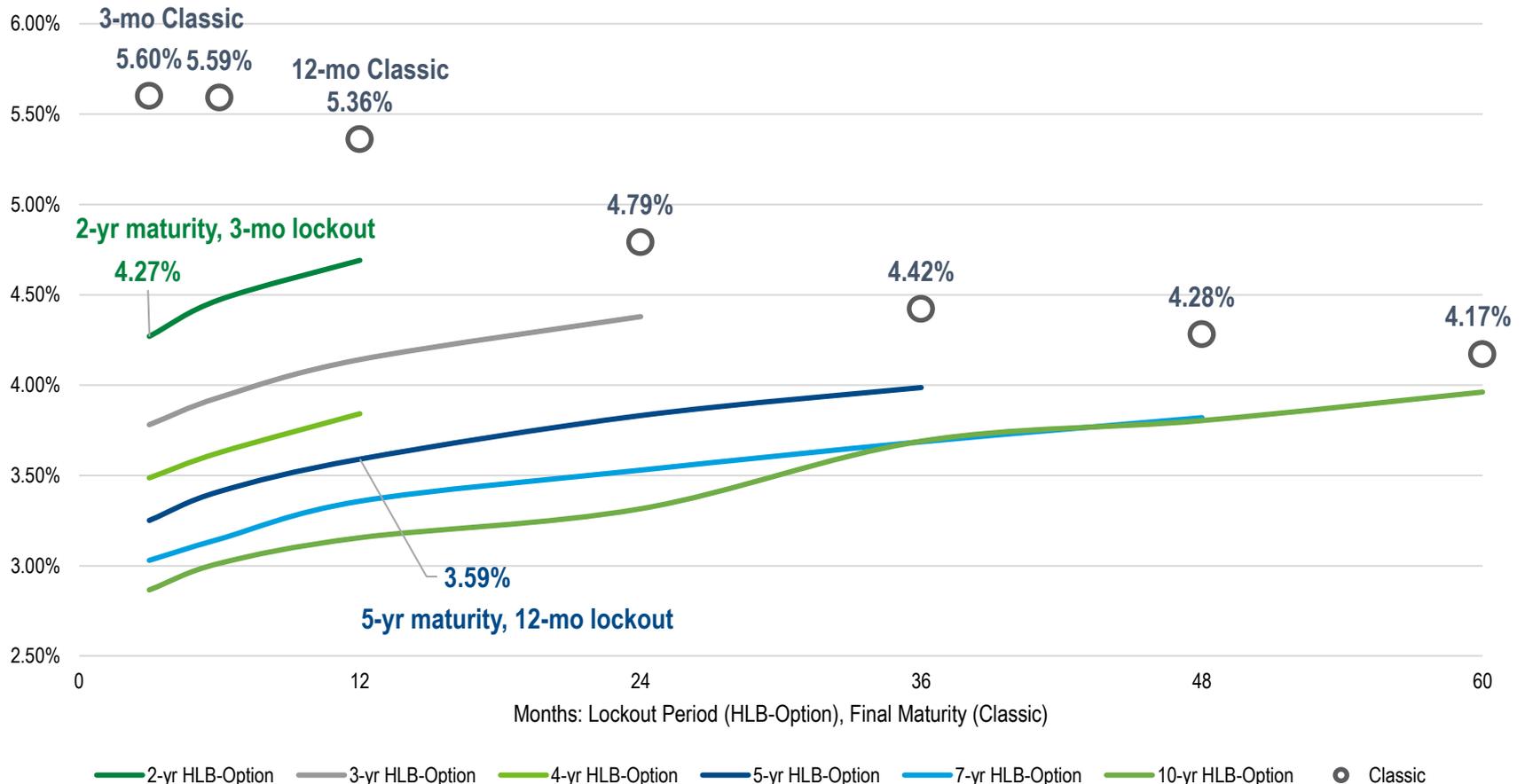
Features of the HLB-Option Advance

Coupon Type	Fixed	Putable/Callable	Putable, after the lockout period at pre-determined intervals
Available Term	Up to 20 years	Availability	Every day
Interest Paid	2 nd business day of the month	Minimum Size	\$2,000,000
Principal Due	At maturity	Prepayable	Yes

How is the HLB-Option Advance Priced?

When the yield curve is inverted and interest-rate volatility is high, the rate on an HLB-Option Advance can be below that of Classic Advances with a maturity matching that of the HLB-Option Advance's lockout period.

HLB-Option Advance and Classic Advance Curves



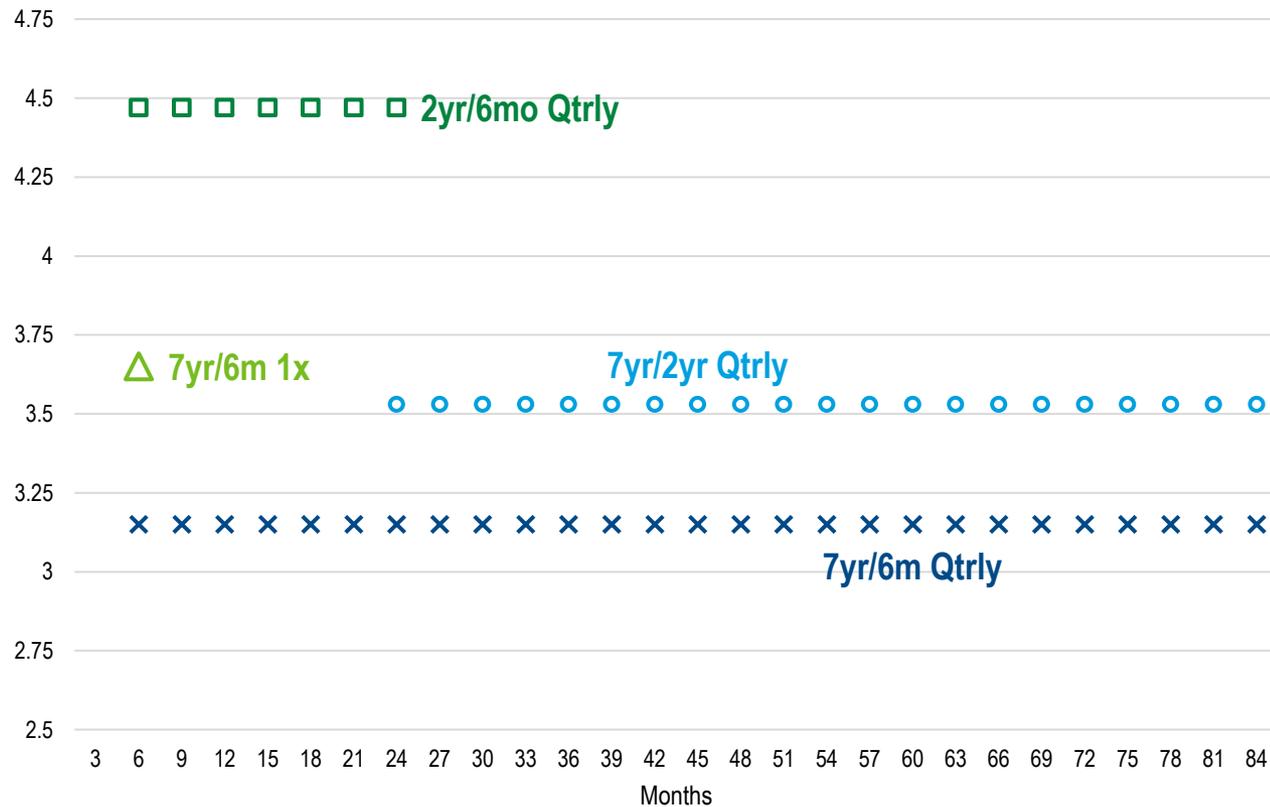
*Rates as of 5/31/23- all pricing is subject to change and rates and spreads are not guaranteed

Source: FHLBank Boston

What Factors Impact How the Advance is Priced?

Because the member is selling the optionality, certain features (longer maturities, shorter lockouts, higher frequency, higher volatility) will typically lead to that option having more value, reducing the rate.

HLB-Option Advance Put Frequency



Factors that Can Lead to Lower Rates on HLB-Option Advances

More Frequent Puts
vs.
Less Frequent Puts

Shorter Lockout Period
vs.
Longer Lockout Period

Longer Stated Maturity
vs.
Shorter Stated Maturity

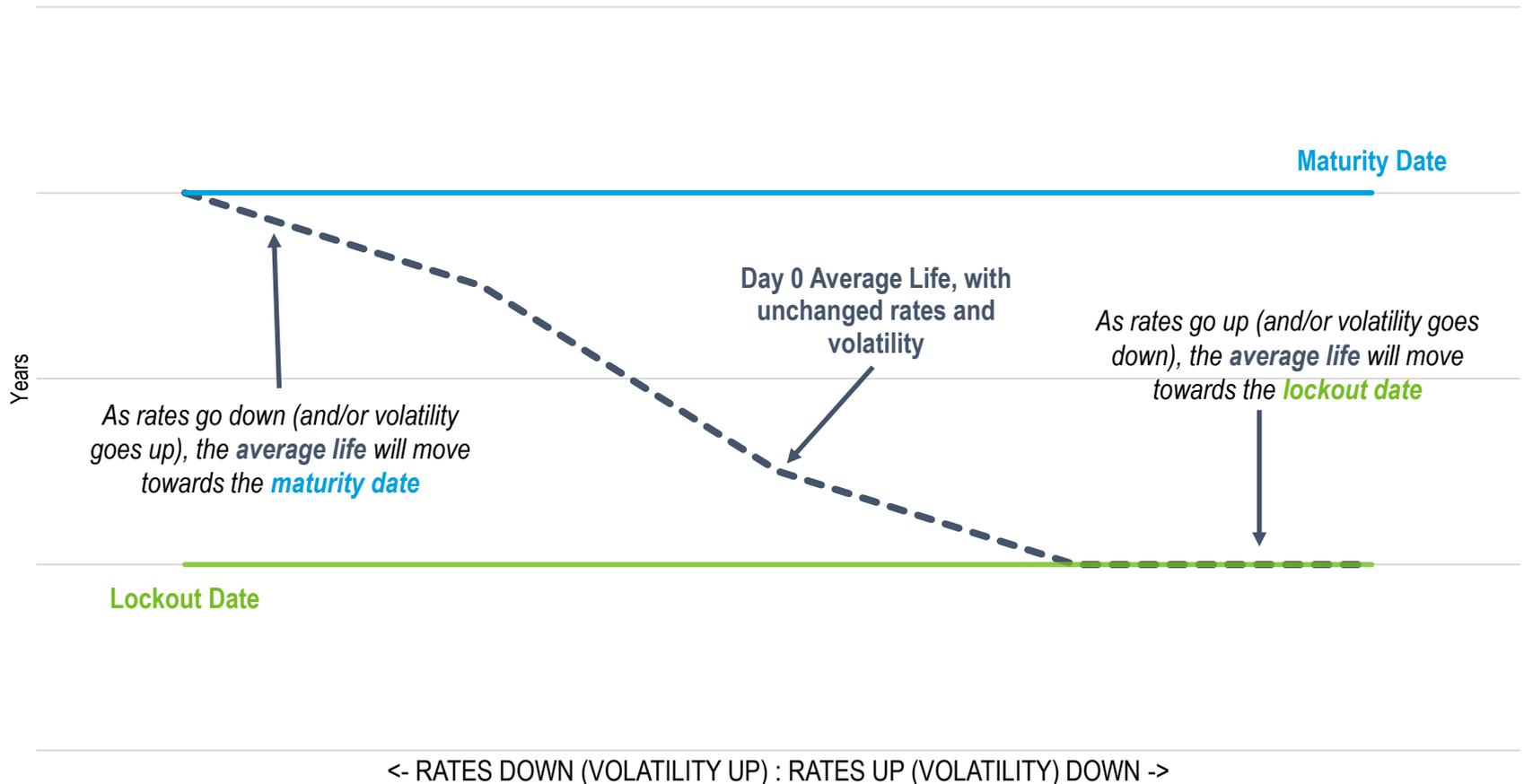
Higher Levels of Interest-Rate Volatility

Source: FHLBank Boston

What Does the Cash Flow Profile Look Like?

The average life can extend and contract - like a mortgage loan or mortgage-backed security - as interest rates and interest-rate volatility change over time.

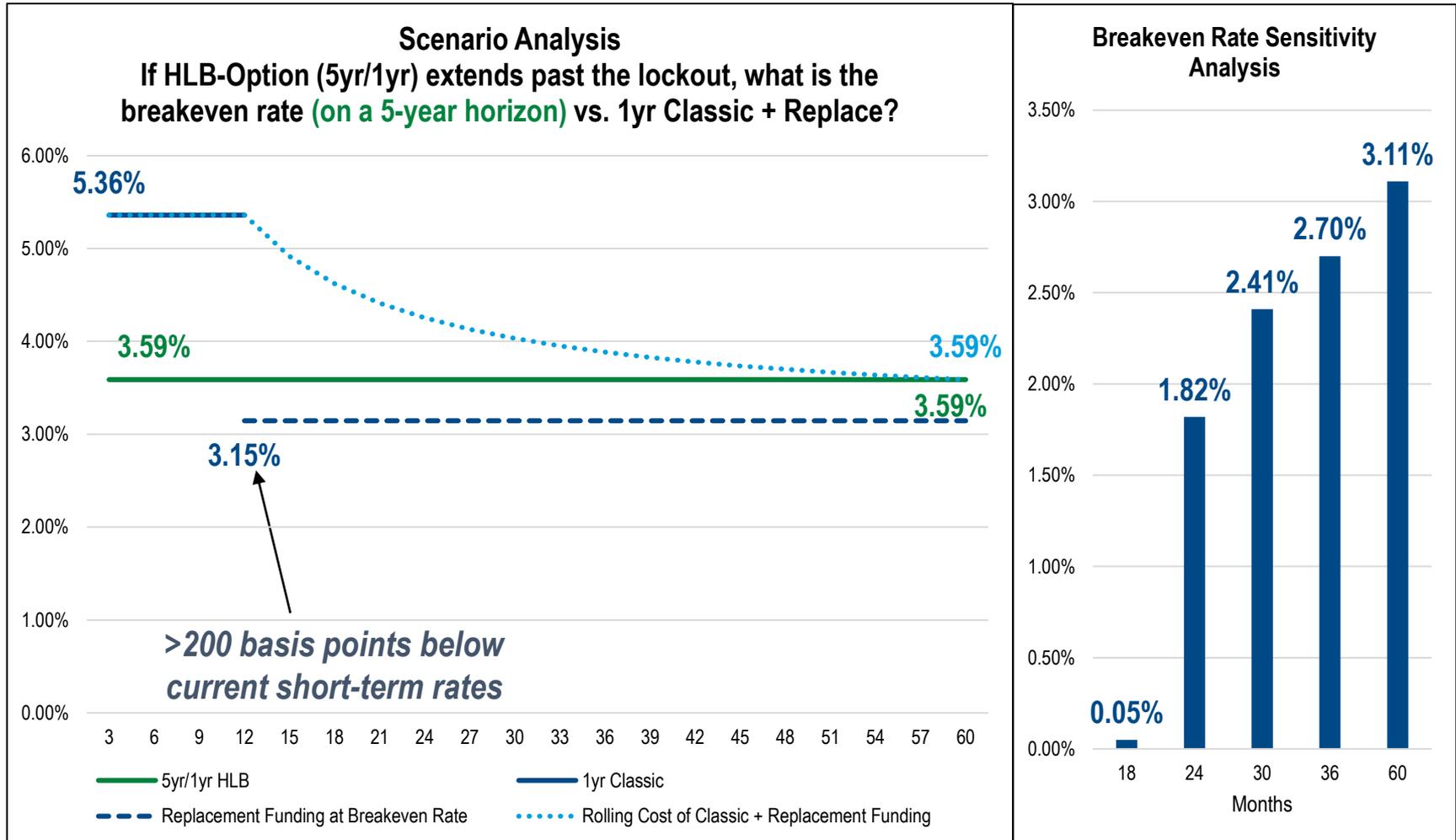
Example Instantaneous Rate Shock: HLB-Option Advance



Source: FHLBank Boston

What is the Breakeven Rate in Stress Test Scenarios?

Flat and higher rates are desirable paths, but the sizable cost savings during the lockout period can create a cushion for rates to move lower and still have the HLB-Option produce a lower total interest expense.

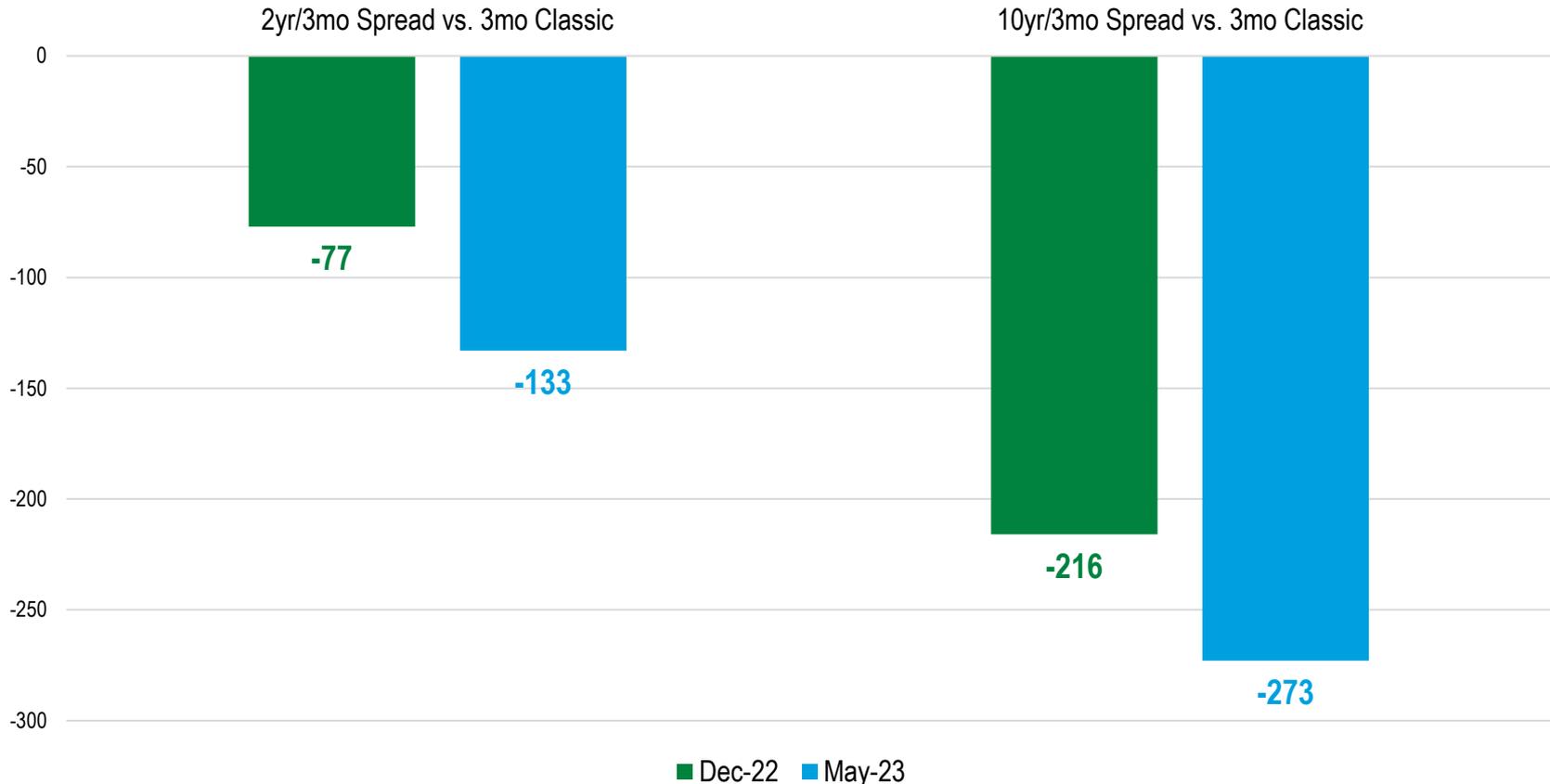


Source: FHLBank Boston

Where is Relative Value in the Current Environment?

As the yield curve inverts further and volatility remains high, shorter maturity structures (like the 2yr/3mo) with less tail/extension risk have seen a widening discount relative to the short-term alternative.

HLB-Option Spreads vs. 3-month Classic



Source: FHLBank Boston

Thank You



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