

Colorado Meeting

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August 15th, 2024

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FHLBank Topeka Regional Meetings - Hilltop Securities



Subsidiaries provide banking, mortgage origination, advisory and underwriting

Hilltop Holdings

By the Numbers

\$16.5B

In Assets⁽¹⁾

3,900

Nationwide Employees⁽¹⁾

No. 33

America's Best Banks⁽²⁾

Holding Company



Subsidiaries



- Leading Texas-based bank
- \$11.1 billion in deposits per regulatory filings as of December 31, 2023
- Nearly 60 locations providing personal, commercial and private banking to customers in key markets across Texas



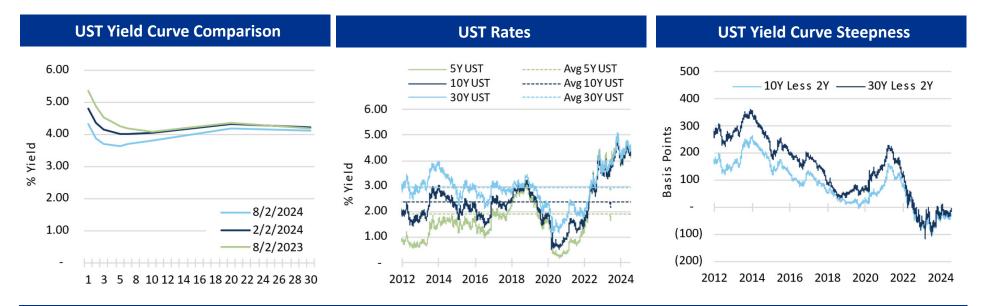
- Focuses on purchase mortgage originations
- #11 Top Retail Mortgage Lender by Scotsman Guide⁽³⁾
- 1,230 loan officers located throughout the U.S.
- Authorized to make loans in all 50 states and the District of Columbia

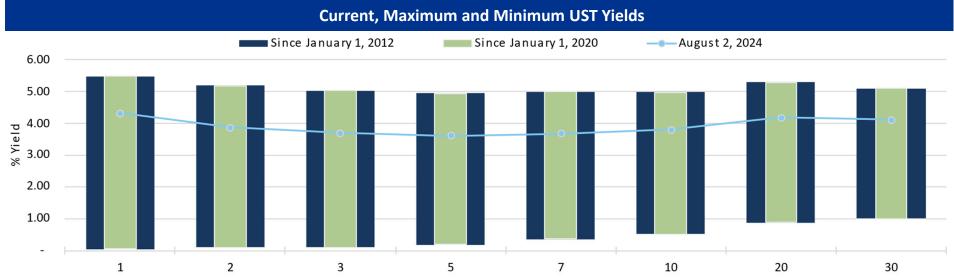


- #5 national municipal investment bank ranking on a combined basis by number of negotiated, competitive and privately placed, underwriting and municipal advisory financings from 2019 through 2023⁽⁴⁾
- Trusted Clearing Services partner to financial professionals nationwide
- Other areas of focus include retail brokerage services, sales, underwriting and trading of taxable and tax-exempt securities, structured finance and securities lending

- (1) Hilltop Holdings Earnings Release for 12/31/2023
- (2) S&P Global Market Intelligence
- (3) Ranked by Scotsman Guide for retail volume in 2023
- (4) Per IPREO MuniAnalytics







Source: U.S. Treasury Department



Yield Curve Inversion



Source: Bloomberg



HTS Commodities - https://www.htscommodities.com/market-overview/



Source: Bloomberg



HTS Commodities - https://www.htscommodities.com/market-overview/

■ Monthly Spreads ■ Monthly Spreads	e ☑ AVAT vs	10d		
Commodity	Price		%YTD	%YTDCur
Grains & Oilseeds				
12) CBT Corn	397.25	+0.25	-19.52%	-19.52%
13) DCE Corn	2,311.00	+4.00	-3.91%	-4.80%
14) ZCE Rapeseed Meal	2,267.00	-7.00	-23.82%	-24.53%
15) ZCE Rapeseed Oil	8,199.00	+40.00	+1.89%	+0.94%
16) CBT Soybeans	1,009.25	+1.00	-20.99%	-20.99%
17) CBOT Soybean Meal	312.20	-3.90	-14.82%	-14.82%
18) CBOT Soybean Oil	41.23	+0.37	-11.45%	-11.45%
19) CBOT HRW Wheat	556.25	+4.75	-13.36%	-13.36%
20) CBT SRW Wheat	545.25	+7.75	-13.18%	-13.18%
21) ENX Milling Wheat	227.25	+0.75	-2.02%	-3.03%
Softs				
23) ICE Cocoa	7,302.00			
24) ICE Coffee	232.00			140,000 100 0000
25) ICE Cotton	68.24			
26) ZCE Cotton	13,585.00	+140.00		
27) CME Lumber	514.50	+11.50		
28) ICE FCOJ	422.55	-19.95	+31.96%	+31.96%
29) DCE Palm Oil	7,728.00	+38.00	+9.73%	+8.71%
30) MDE Palm Oil	3,747.00			
31) TCM Rubber	320.30			
32) ICE Sugar	18.43	-0.14	-10.45%	-10.45%
Livestock				
34) CME Feeder Cattle	240.38			
35) CME Live Cattle	180.65		+5.77%	
36) CME Lean Hogs	73.65	+0.03	+32.14%	+32.14%

Source: Bloomberg

HTS Commodities trades futures, options & OTC contracts across multiple sectors:



Agriculture

Corn, soft red and hard red wheats, rough rice, feeder and live cattle, lean hogs, soybeans, soybean oil, and soybean meal



Energy

Oil and oil products, natural gas and electricity



Softs

Sugar, coffee, sugar, orange juice, cocoa, cotton, and lumber

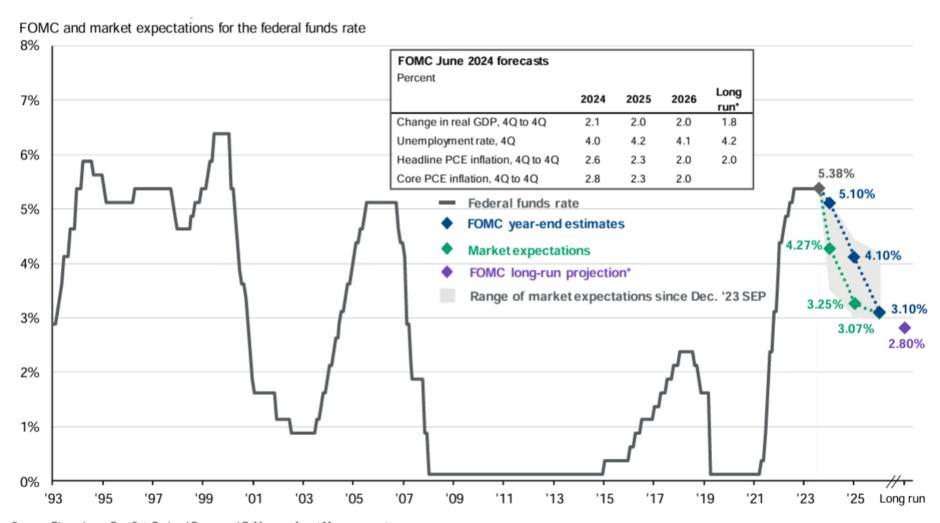


Metals

Gold, silver, platinum, palladium, copper, and aluminum



Fed Funds Rate Expectations



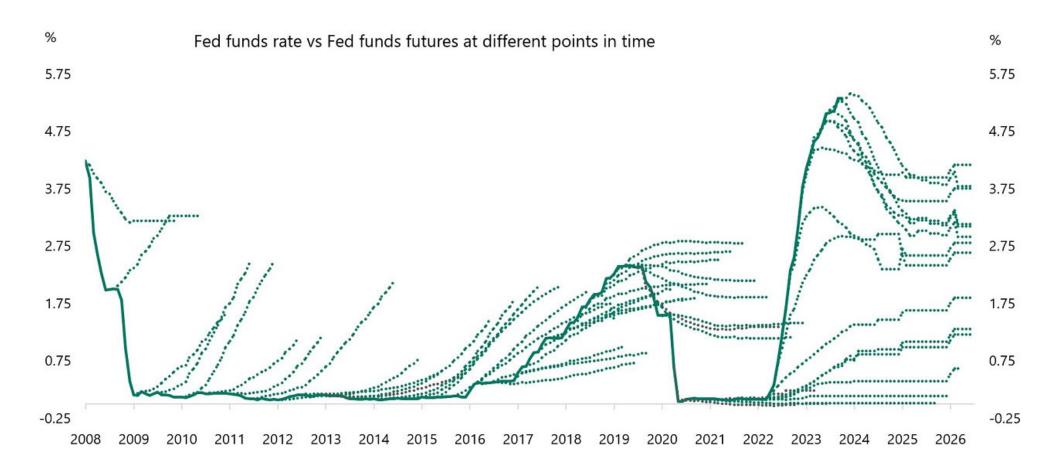
Source: Bloomberg, FactSet, Federal Reserve, J.P. Morgan Asset Management.

Market expectations are based off of USD Overnight Index Swaps. *Long-run projections are the rates of growth, unemployment and inflation to which a policymaker expects the economy to converge over the next five to six years in absence of further shocks and under appropriate monetary policy. Forecasts are not a reliable indicator of future performance. Forecasts, projections and other forward-looking statements are based upon current beliefs and expectations. They are for illustrative purposes only and serve as an indication of what may occur. Given the inherent uncertainties and risks associated with forecasts, projections or other forward-looking statements, actual events, results or performance may differ materially from those reflected or contemplated. Guide to the Markets – U.S. Data are as of August 7, 2024.

J.P.Morgan



The market is always wrong about what the Fed will do



Source: Apollo Global Management



Q2 2024 Bank Data

Balance Sheet & Securities Portfolio Information

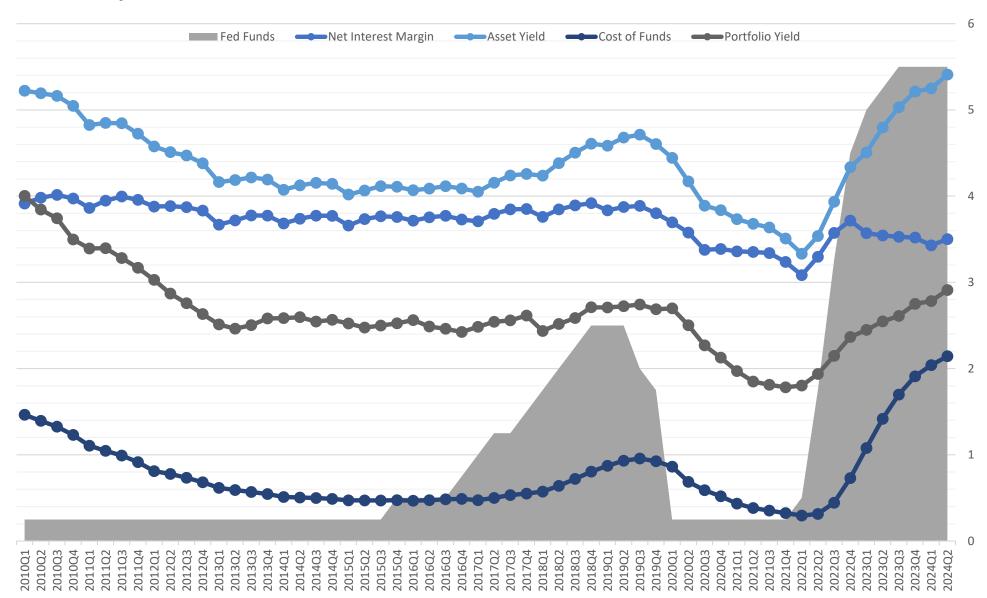
	# Institutions	Sub S#	Leverage	ROAA	NIM	ASSETS YLD	COF	L/D %	Liq Assets %	LT Assets %	Effiency Ratio
Micro Community Bank	722	270	19.63	2.16	3.81	5.25	1.79	68%	33%	25%	77.85
Small Community Bank	1,121	482	13.00	1.51	3.57	5.31	2.00	74%	24%	29%	69.88
Medium Community Bank	1,718	612	11.35	1.08	3.42	5.41	2.18	80%	19%	32%	68.07
Large Community Banks	868	124	11.00	1.12	3.34	5.59	2.43	87%	15%	32%	65.22
Regional Banks	121	1	10.29	0.96	3.32	5.76	2.57	84%	15%	32%	55.94
Tier 1 Banks	33	0	9.31	1.21	3.32	6.29	3.13	68%	29%	27%	55.25
Totals	4,583	1,489	12.95	1.36	3.50	5.41	2.14	78 %	22%	30%	69.10
	SEC/TA %	SEC VI D	SEC G/(L) %	USTs	Agcy	Muni	Mortgage	Other	# Sec QoQ +	% QoQ Sec +	
Micro Community Bank	25%	2.99	-6.68%	22%	23%	27%	24%	3%	171	24%	
Small Community Bank	24%	2.81	-8.34%	16%	21%	30%	29%	4%	264	24%	
Medium Community Bank	21%	2.86	-8.84%	12%	17%	29%	35%	7%	441	26%	
Large Community Banks	18%	3.02	-9.61%	11%	12%	20%	46%	11%	284	33%	
Regional Banks	20%	3.25	-9.15%	13%	6%	10%	60%	11%	48	40%	
Tier 1 Banks	23%	3.19	-8.33%	25%	1%	2%	57%	14%	20	61%	
Totals	22%	2.91	-8.53%	15%	18%	27%	35%	6%	1,228	27%	

Q1 #'s: Portfolio Yield: 2.80%, NIM 3.43, Asset Yield 5.25%, COF 2.04%

Source: Call Report Data Q2 2024



Community Bank Trends ≈ 4,500 Banks



Source: Call Report Data



Balance Sheet Management for Banks and Credit Unions

Asset Sensitive

- Increase Overall Asset Duration
- Deploy Cash
- Increase Fixed Rate Loans
- Bonds: Extend Duration, Positive Convexity
- Decrease Overall Liability Duration
- Shorten Funding FHLB Borrowings
- Receive Fix, Pay Float Swaps
- Floors, Sell Caps

Liability Sensitive

- Decrease Overall Asset Duration
- Increase Cash Holdings
- Increase Floating Rate Loans
- Bonds: Decrease Duration, Negative Convexity
- Increase Liability Overall Duration
- Term Funding FHLB Borrowings
- Receive Float, Pay Fix Swaps
- Caps, Sell Floors



For over 35 years, HBS has provided innovative software and customized services for depository institutions to assist them in interest rate risk analysis, budgeting/forecasting, investment portfolio management, and asset/liability management

Risk Manager

- Instrument-level Interest Rate
 Risk Reporting.
- +/- 500 bps rate scenarios &
 custom report set creation
- Customized ALCO/Board packets with policy/guideline recommendations.
- In-house or service bureau offering available.

Profit Manager

- Combines Risk Manager &
 Portfolio Manager with integrated budgeting, forecasting, branch, and board reporting.
- Provides management teams
 with monthly comparative/trend
 reports and analyses for all
 financial management and ALM
 needs.

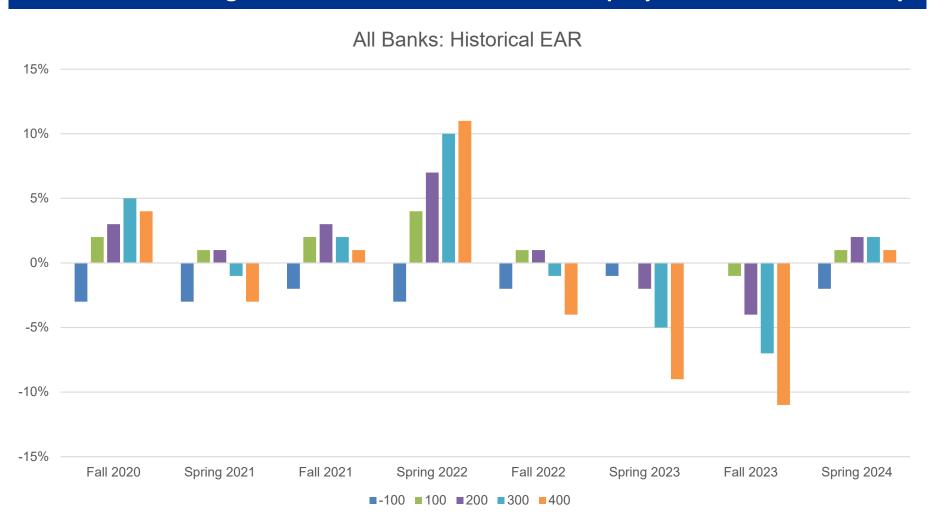
Portfolio Manager

- Monthly Investment Portfolio
 Accounting, Pricing, and
 Analytical Reporting System.
- Provides clients with the flexibility
 of an in-house system while
 maintaining a service bureaulevel of support.



OCC Range of Practice Memo on Interest Rate Risk

Statistics on Earnings at Risk and Economic Value of Equity – All Banks from Study

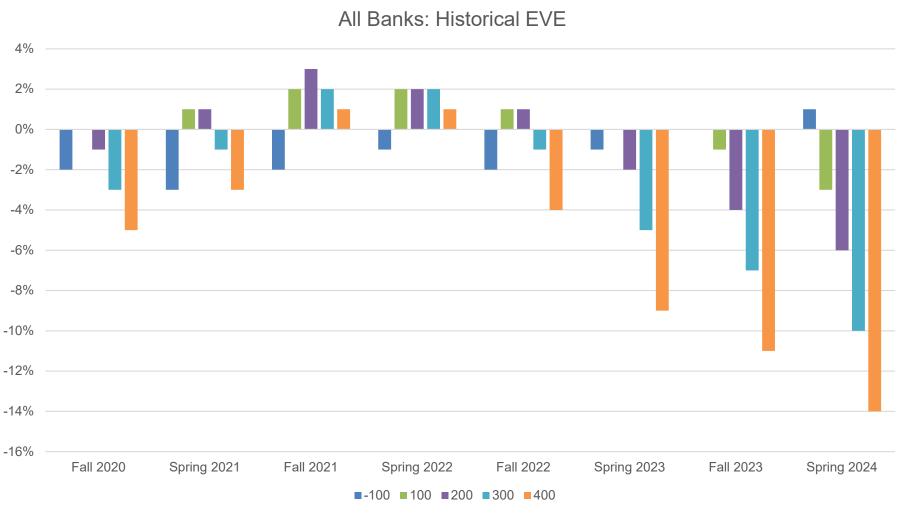


Source: OCC Range of Practice Memo / https://www.occ.gov/publications-and-resources/publications/interest-rate-risk-statistics-reports/files/interest-rate-risk-statistics-report-spring-2024.html



OCC Range of Practice Memo on Interest Rate Risk

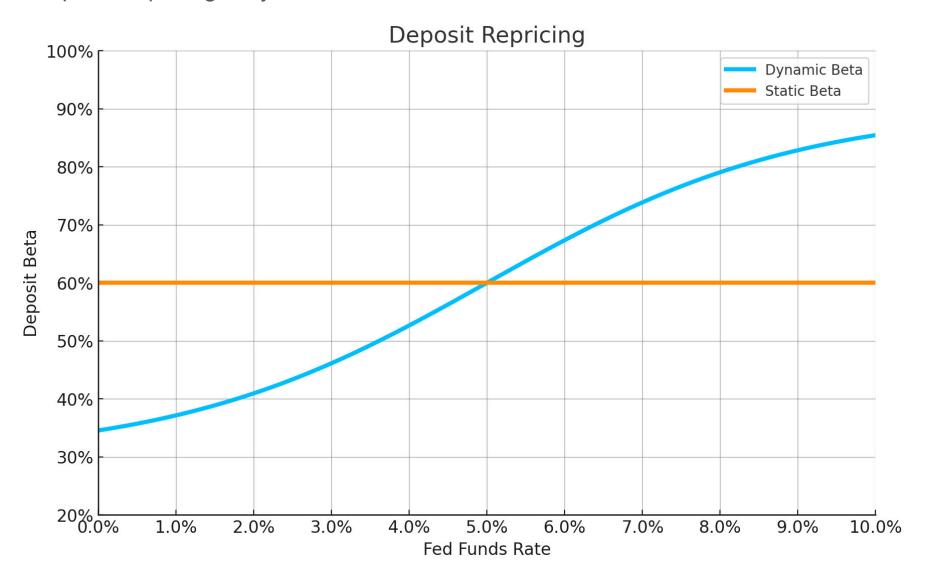
Statistics on Earnings at Risk and Economic Value of Equity – All Banks from Study



Source: OCC Range of Practice Memo / https://www.occ.gov/publications-and-resources/publications/interest-rate-risk-statistics-reports/files/interest-rate-risk-statistics-report-spring-2024.html



Deposit Repricing – Dynamic vs Static





Liquidity Risk

Current Issues

- Yield Curve, Uncertainty
- Deposits Post SVB, Deposit Competition
- Underwater investments, deposit challenges, increased borrowings

Understand Your Basic Liquidity Ratios & ALM Implications

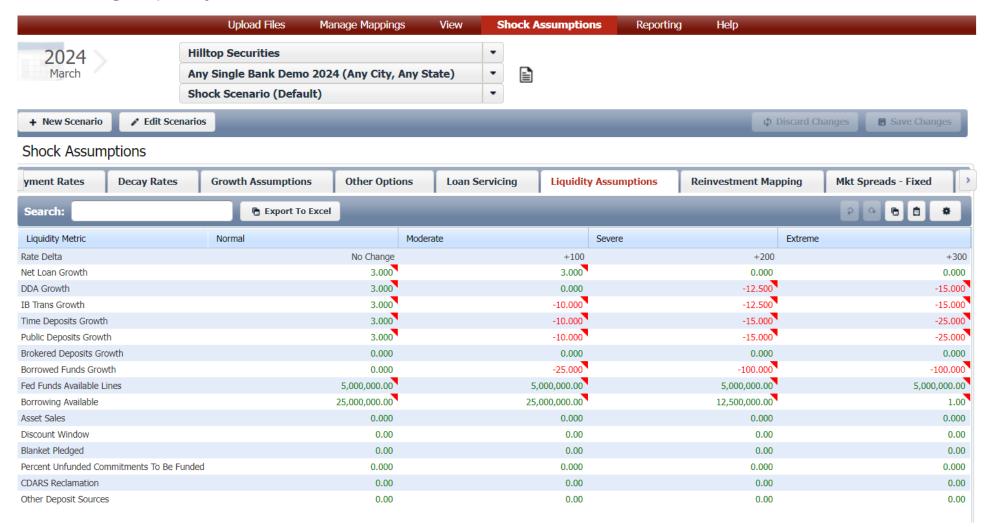
- Liquid Assets
- Primary Liquidity vs Secondary Liquidity
- Sources & Uses of Funds

Liquidity: What to Monitor

- Deposit Concentrations, Short Term Funding
- Brokered Deposits & Borrowings
- Wholesale Funding / Non-Core Funding, Declines in Core Deposits
- OCC Canary Ratios (let us know if you'd like a copy)
 - Loans Deposits <= 75%, Noncore Funding Dependency <=20%, Short-Term Liabilities /
 Total Assets <=15%, On Hand Liquidity / Total Liabilities <=15%, Wholesale Funding /
 Total Funding > 15%



Modeling Liquidity





Thoughts on Interest Rate Risk

Don't Get Caught Offsides on your Next Safety and Soundness Exam

- POLICY If it's not written down, it didn't happen
 - IRR appetite and risk management objectives
 - Responsibility and Authority for IRR Management
 - Standards for Measuring and Monitoring IRR
 - Types of IRR Measurement (EAR, EVE), Frequency (Quarterly)
 - Risk Limits on IRR Exposure for Earnings and Capital
 - Risk Mitigation Monitor, Escalate, and Address Risk Limits
 - Model Validation and Back Testing
- STRESS TESTING OF KEY ASSUMPTIONS Garbage in, garbage out.
 - Deposit Betas & Decay Rates
 - Modeling Disintermediation (NMDs to CDs)
 - Asset Prepayment Speeds
- MODEL ASSUMPTIONS
 - Deposit Betas and Decay Rates
 - Asset Prepayment Speeds
- ADDITIONAL REVIEW ITEMS We can't predict but we can prepare
 - Back Testing
 - Validation Letter
 - Independent Review of an IRR Management System
 - ALCO, Board of Director Training and Education



The Role of Bonds for Financial Institutions

Liquidity, Interest Rate Risk and Earnings & The Bond Portfolio

LIQUIDITY

Transactable Markets (Bonds with tight bid/ask spread, structure, higher credit quality)

INTEREST RATE RISK

Great hedge of the balance sheet, not our customers!

EARNINGS

- The bond portfolio should provide earnings and cash flow in all rate scenarios while also maintain acceptable risk levels.
- Your balance sheet is full of optionality, the portfolio can help us better manage vs our customers

OTHER

CRA, Risk Based Capital, Pledging, Community Support



Q2 2024 Bank Data / Portfolio Yield Breakdown

≈2,000 Banks \$100mm to \$500mm Assets

≈900 Banks \$1bb to \$10bb Assets

	Low	Middle	High		Low	Middle	High
Median Yield (TEY)	1.72	2.50	3.72	Median Yield (TEY)	1.91	2.70	4.00
USTs	17%	9%	12%	USTs	14%	10%	11%
Agencies	32%	17%	12%	Agencies	20%	11%	7%
Munis	23%	37%	34%	Munis	13%	22%	17%
MBS	19%	22%	16%	MBS	31%	28%	15%
СМО	4%	8%	11%	СМО	12%	14%	15%
CMBS	2%	3%	5%	CMBS	6%	7%	8%
Other	2%	4%	10%	Other	4%	8%	26%
Sec / TA %	23%	25%	21%	Sec / TA %	19%	18%	18%
Liquid Assets %	22.90	22.51	24.91	Liquid Assets %	15.73	15.18	17.35
Long-Term Assets %	27.53	33.96	29.13	Long-Term Assets %	33.37	35.05	28.17
Sec FV / Sec BV	90.51	90.42	94.54	Sec FV / Sec BV	88.59	89.32	94.23
Unrizd G/(L) %	(9.49)	(9.58)	(5.46)	Unrizd G/(L) %	(11.41)	(10.68)	(5.77)
AFS Portfolio %	88%	90%	84%	AFS Portfolio %	85%	83%	83%
ROA	0.77	0.90	1.06	ROA	0.78	0.87	1.07
ROE	8.71	10.28	10.36	ROE	9.24	9.37	10.34

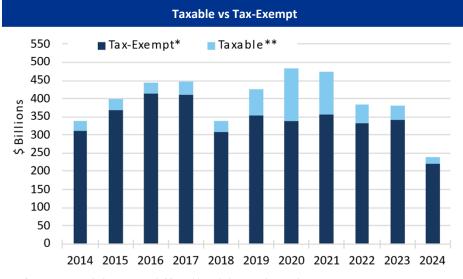
Source: Call Report Data, 2nd Quarter 2024

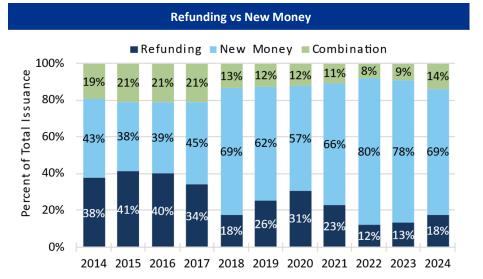
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^{*} Tax-Exempt Includes AMT Bonds **Taxable Includes Stimulus Bonds
Source: The Bond Buyer "A Decade of Bond Finance" and Thomson Reuters (based on data available through June 30, 2024) Excludes Notes



Municipals: Understand Your TEY's

Cost of Funds Impacts TEY

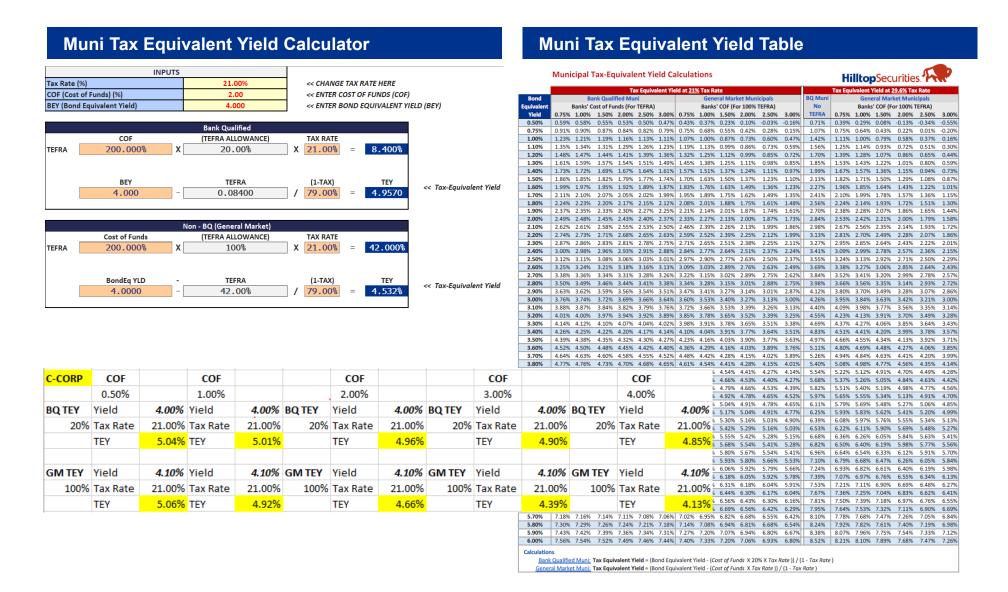
• C- Corp Bank Qualified $\frac{Yield - (Tax\ Rate*Cost\ of\ Funds*20\%)}{(1-Tax\ Rate)}$

• C- Corp General Market $\frac{Yield - (Tax\ Rate * Cost\ of\ Funds * 100\%)}{(1 - Tax\ Rate)}$

C-CORP	COF		COF			COF			COF			COF	
	0.50%		1.00%			2.00%			3.00%			4.00%	
BQ TEY	Yield	4.00%	Yield	4.00%	BQ TEY	Yield	4.00%	BQ TEY	Yield	4.00%	BQ TEY	Yield	4.00%
20%	Tax Rate	21.00%	Tax Rate	21.00%	20%	Tax Rate	21.00%	20%	Tax Rate	21.00%	20%	Tax Rate	21.00%
	TEY	5.04%	TEY	5.01%		TEY	4.96%		TEY	4.90%		TEY	4.85%
GM TEY	Yield	4.10%	Yield	4.10%	GM TEY	Yield	4.10%	GM TEY	Yield	4.10%	GM TEY	Yield	4.10%
100%	Tax Rate	21.00%	Tax Rate	21.00%	100%	Tax Rate	21.00%	100%	Tax Rate	21.00%	100%	Tax Rate	21.00%
	TEY	5.06%	TEY	4.92%		TEY	4.66%		TEY	4.39%		TEY	4.13%



Municipals: Portfolio Manager Tools

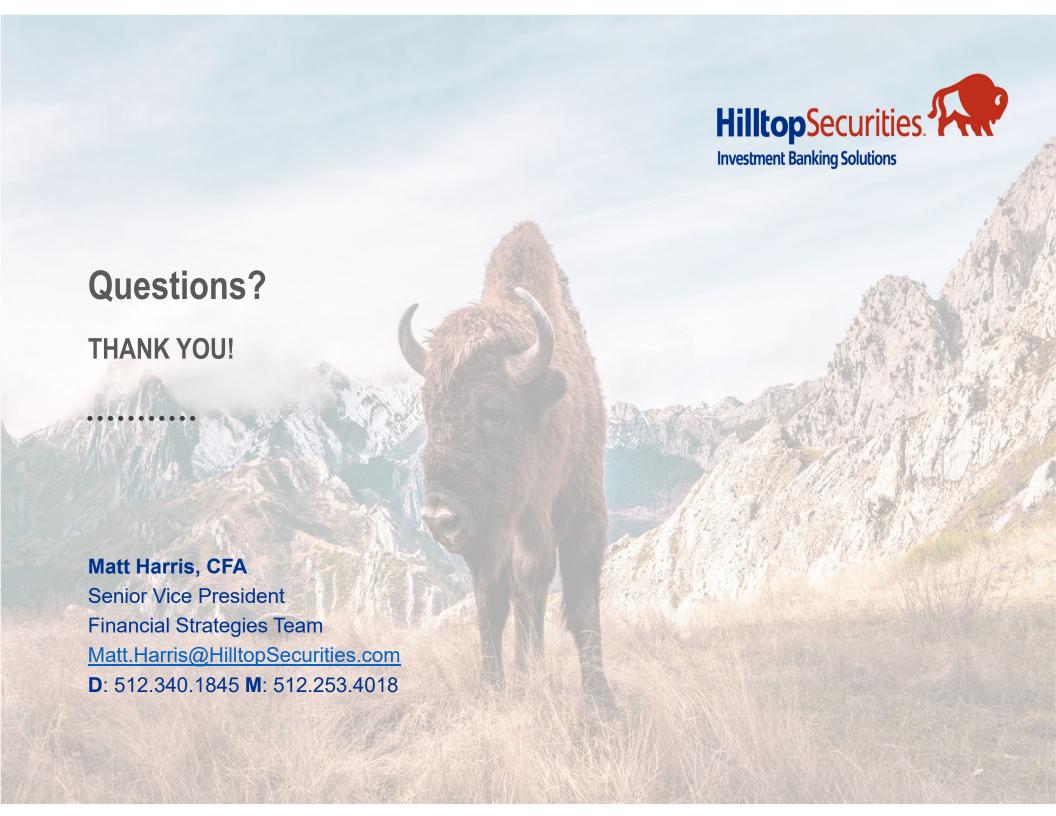




Closing Thoughts on Investment Portfolio

The Investment Portfolio is Critical to Your Balance Sheet

- PORTFOLIO PURPOSE & OBJECTIVES
 - Your Bond Portfolio is a Risk Management Tool
- UNDERSTAND YOUR INVESTMENT POLICY
 - Know your Portfolio Allocation & Policy Limits
- DEVELOP AN ACTIVE PORTFOLIO STRATEGY
 - Objectives, Analysis, & Active Management
- LEVERAGE YOUR ACCOUNTING & ANALYTICAL TOOLS
 - HBS Portfolio Manager
 - o Reports, Portal, Swap Tool
- ADDITIONAL REVIEW ITEMS FOR INVESTMENT PORTFOLIO
 - Regulatory Examination
 - Bond Education
 - ALCO, Board of Director Training and Education



HilltopSecurities' Primary Business Lines



Capital Markets



Extensive knowledge and experience in fixed income underwriting, trading and sales to allow institutional investors to achieve specific liquidity and capital demands

Includes:

- Fixed Income Underwriting
- · Municipal Sales & Trading
- Taxable Sales & Trading
- · Portfolio & Equity trading
- Bank Advisory Services

Structured Finance



Provides municipal structured finance advisory solutions, represents more than a dozen State Housing Finance Agencies and pioneered the development of a pipeline management market rate TBA program that provides interest rate protection for housing authorities

Includes:

- Structured Products
- Housing Advisory
- · Mortgage Trading/Securitization

Debt Capital Markets



Cross-sector solutions group that connects issuers and borrowers that fall outside of the high-grade public market with institutional investors

Includes:

- Specialty Situation, Project Finance and High Yield Banking & Distribution
- Private Placements
- Term Sheet Deals
- · Public and Private Entity Financings

Wealth Management



Wealth management services for individual investors using a holistic approach to achieve their definitions of success

Includes:

- · Private Client Group
- Independent Network
- Advisory Services Group
- Insurance

Public Finance



Financial services for entities that issue debt for public purposes, as well as private and nonprofit organizations

Includes:

- Municipal Advisory
- Municipal Underwriting
- · Continuing Disclosure
- PEBTrust
- Asset Management
- Arbitrage Rebate

Clearing Services



Provides securities clearing, carrying, custodial and settlement services for registered broker-dealers and other market participants across the United States

Includes:

- Traditional Brokerage
- Research & Market Insights
- · Advisory Services

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