





Balance Sheet Optimization: Driving Profitability

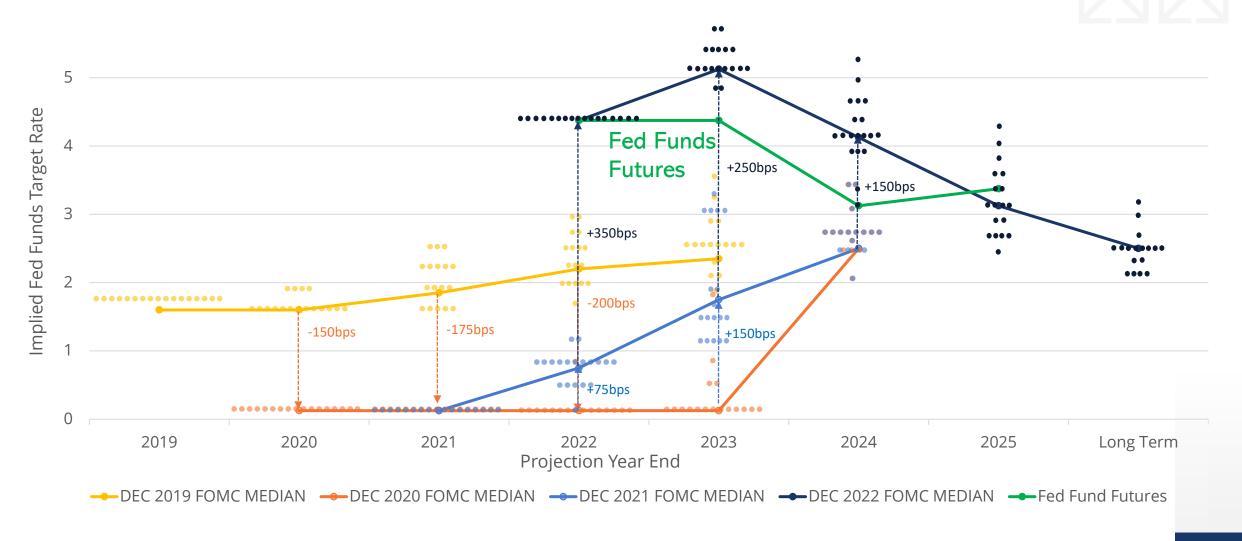


KEY **HOW-TO...** TAKEAWAYS FROM TODAY'S PRESENTATION

- Why ALCO/Balance Management is important to overall **profitability**
- Discuss why strategy formation is **not a one-size fits all** approach
- How can we dissect our Net Interest Margin and get better? See Performance SNAPSHOT
- How can we **Reimage "Old School" ALCO** to drive better and/different strategies



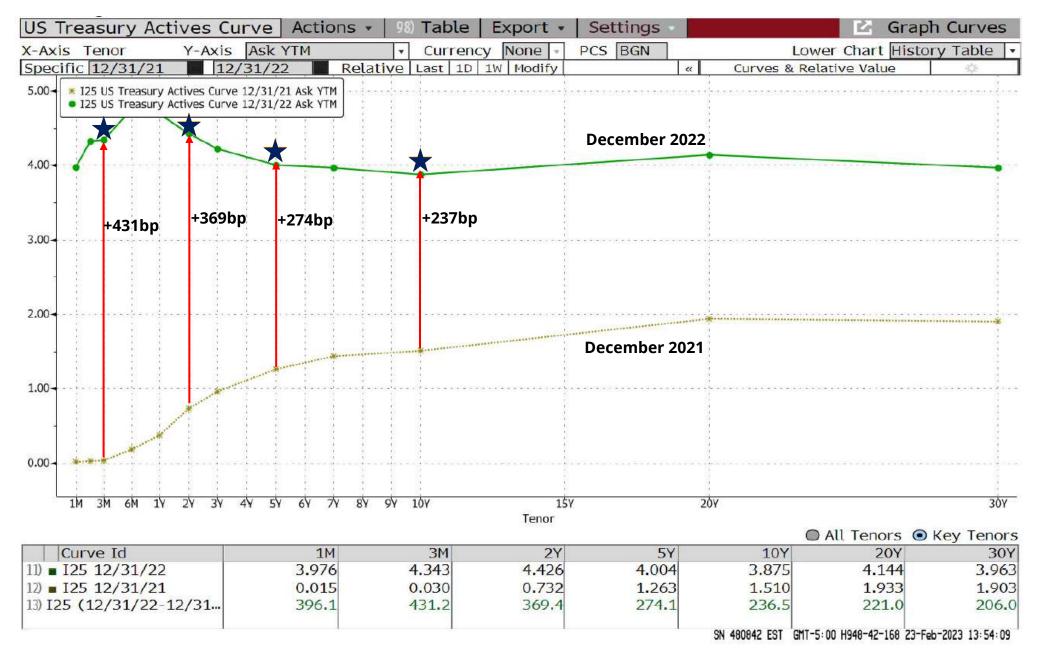
FED DOT PLOT & IMPLIED FED FUNDS TARGET RATE



Source: Bloomberg



TREASURY RATES





EQUITY RESEARCH HEADLINES







Corporation







- M&A Strategy Is Working to Maintain ROA Despite Rate Challenges

 The First Bancshares, Inc.
- A Good Quarter, but Further **NIM Pressure** Remains a Headwind *Capstar Financial Holdings, Inc.*
- Strong Fees Offset **NIM Contraction** for a Beat as Dividend Increased: 1st Look Bank of Hawaii Corp.
- NIM Slip Drives EPS Miss, First Look
 Southside Bancshares, Inc.
- NII Pressure Outweighs New Expense Cuts; Trimming Estimates
 Associated Banc-Corp
- NII Pressure Tough to Outrun; Lowering Estimates
 PacWest Bancorp



BASIC INCOME STATEMENT

Interest Income (Earning Asset Yields)

Interest Expense (Cost of Funds)

Net Interest Income (NII)

- → Other Income
- Operating Expense

Net Income Before Taxes

Taxes

Net Income

Balance Sheet Management:Primary Focus

ROE vs. ROA Focus



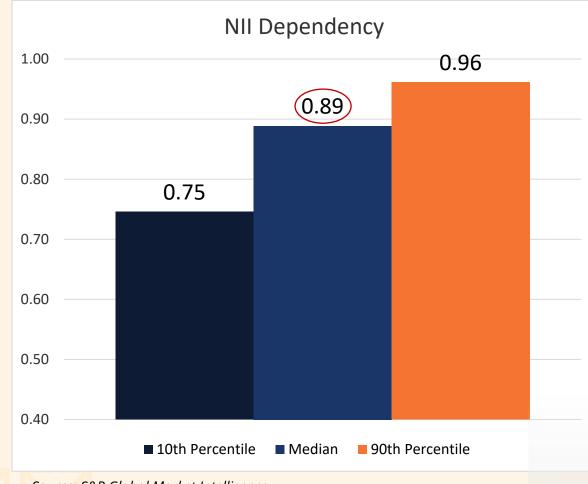
NII DEPENDENCY AMONG ALL BANKS NATIONALLY

Net Interest Income (NII)

Net Interest Income (NII)

+

Non-Interest Income



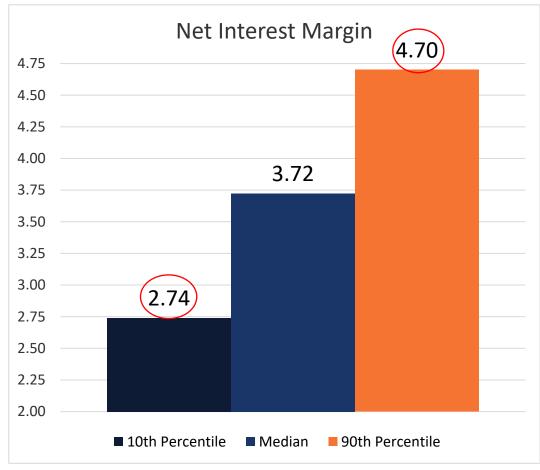
Source: S&P Global Market Intelligence, Data for all Banks Nationally <\$15B as of 12/31/22



The more net interest income dependent your institution, the more NIM will drive earnings



NET INTEREST MARGIN AMONG ALL BANKS NATIONALLY



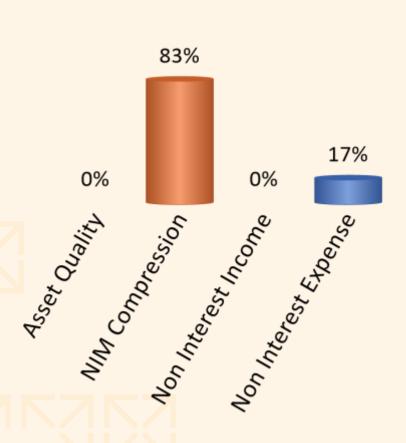
Source: S&P Global Market Intelligence,

Data for all banks Nationally <\$15B as of 12/31/22



WHAT IS YOUR BIGGEST CONCERN REGARDING YOUR BANK'S PROFITABILITY?

- A. Asset Quality
- B. NIM Compression
- C. Non Interest Income
- D. Non Interest Expense



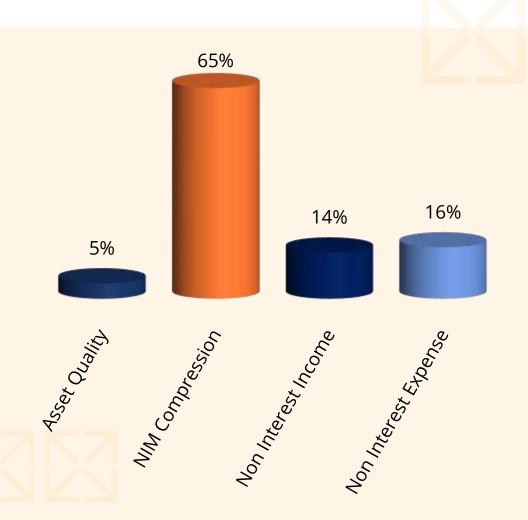


PRE-MEETING SURVEY 2/3/23:

WHAT IS YOUR BIGGEST CONCERN REGARDING YOUR BANK'S PROFITABI



- B. NIM CompressionC. Non Interest Income
- D. Non Interest Expense





PERFORMANCE SNAPSHOT REQUEST

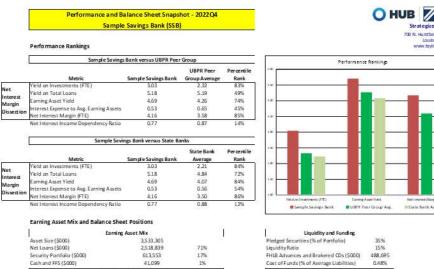
Info.tayloradvisor.com/snapshot

The Taylor Advisors Performance Snapshot is an in depth report on your institution's

margin, yield, and costs in comparison to UBPR and State Peer Averages.

As you'll see, the graph on the top right shows performance data about the institution (red) and compares it to other institutions in its UBPR peer group and its home state (green).

The Net Interest Margin Dissection to the left shows the numbers that correspond to the graph and also ranks the institution versus its peer group, approximating the UBPR report. Below that is additional balance sheet information about the institution.



2,459

MBS (% of Partiblio)

CMO (% of Portfolia)

Agencies 6% of Portfolio

Other Securities (% of Partiolia)

337,866

366,377

Tier-1 Leverage Ratio (%)

otal Risk Based Capital

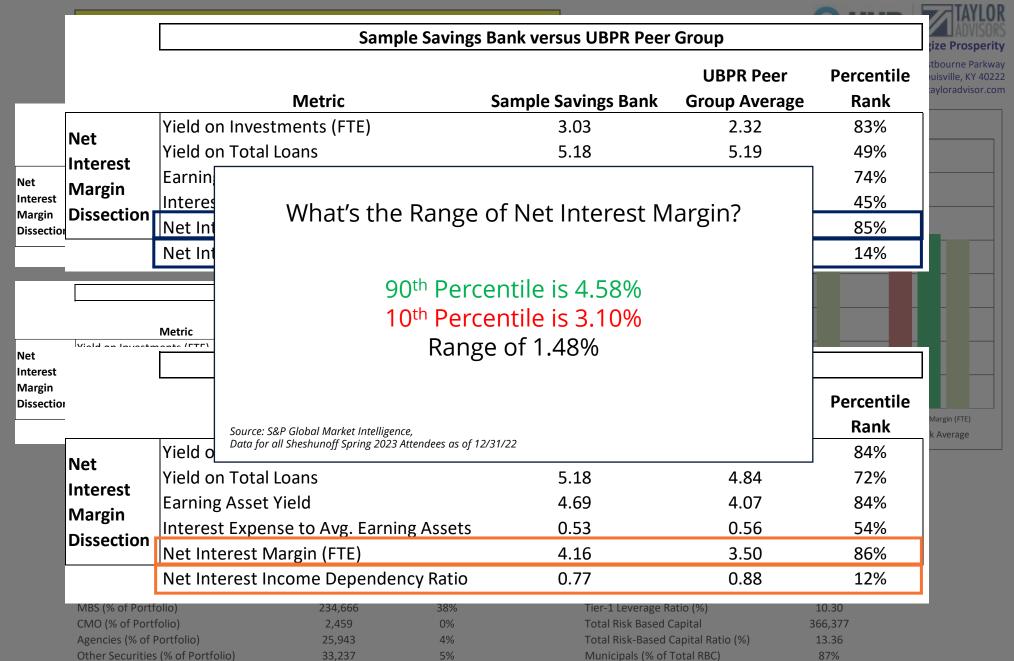
otal Risk-Based Capital Ratio (%

WHAT IS YOUR INSTITUTION'S

NET INTEREST INCOME DEPENDENCY?

NET INTEREST MARGIN?







Performance and Balance Sheet Snapshot - 2022Q4 Sample Savings Bank



■2019Y ■2020Y ■2021Q4 ■2022Q1 ■2022Q2 ■2022Q3 ■2022Q4

Strategize Prosperity

700 N. Hurstbourne Parkway Louisville, KY 40222 www.tayloradvisor.com

Historical Performance

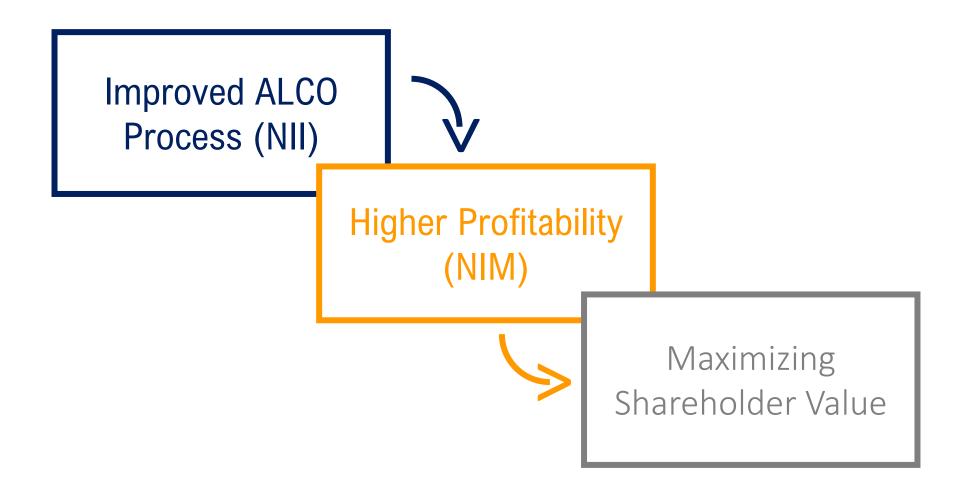
Historical Performance



■2019Y ■2020Y ■2021Q4 ■2022Q1 ■2022Q2 ■2022Q3 ■2022Q4



BENEFITS OF A STRONG ALCO PROCESS





7 1970's **7** 1980's **7** 1990's 7 1990's-2000 **7** 2000's Current & Future **S&L Banking Crisis 1986-Dot-Com Bubble & Collapse Subprime Mortgage Crisis** 1st IRR Model Created 1977 1st CMO Created 1983 2019-Present 2007-2009 1995 1997-2000 **GAP Analysis Dropped Less Focus On Less Focus On Rate Sensitive Assets To** Rate Sensitive Assets To Rate Sensitive Assets To **GAP Analysis GAP Analysis Rate Sensitive Liabilities** Rate Sensitive Liabilities Rate Sensitive Liabilities (GAP Analysis) (GAP Analysis) (GAP Analysis) Earning At Risk Earning At Risk Interest Income Stress **Earning At Risk** Earning At Risk Interest Income Stress Interest Income Stress Testing Economic Value Testing Economic Value Testing Economic Value **Economic Value** Of Equity Of Equity Of Equity Bank Specific Loan & Industry Default Loan & **Bank Specific Loan &** Deposit Assumptions **Deposit Assumptions Deposit Assumptions** Bank Specific Loan & Deposit Assumptions **Interest Rate Risk Stressed ALM Assumptions** Investments Investments Investments Investments Investments **Market Value Shocks** Market Value Shocks Market Value Shocks Market Value Shocks **Cash Flow Shocks** Cash Flow Shocks Cash Flow Shocks **Investments Independent Municipal** Independent Municipal Credit **Credit Analysis Liquidity Assessment** Liquidity Assessment Liquidity Assessment Liquidity Assessment Liquidity **Liquidity Stress Testing Liquidity Stress Testing Liquidity Stress Testing Contingency Funding Plans** Contingency Funding Plans **Capital Adequacy Assessment** Capital Adequacy Assessment Capital Adequacy Assessment **Asset Quality Trends Asset Quality Trends**

Capital

Capital Plan

COVID-19

Of Equity

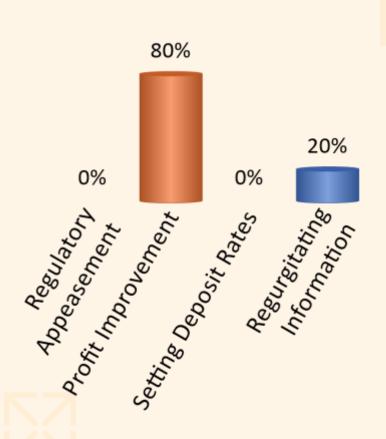
Analysis

Capital Plan **Capital Stress Testing**



WHAT IS THE PRIMARY OBJECTIVE OF YOUR ALCO MEETING?

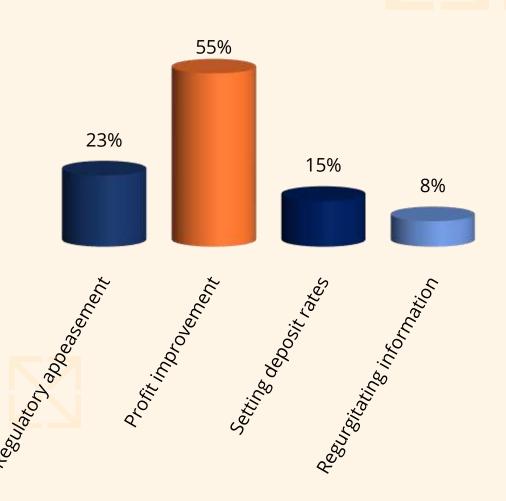
- A. Regulatory Appeasement
- B. Profit Improvement
- C. Setting Deposit Rates
- D. Regurgitating Information





PRE-MEETING SURVEY 2/3/23: WHAT IS THE PRIMARY OBJECTIVE OF YOUR ALCO MEETING?

- A. Regulatory Appeasement
- B. Profit Improvement
- C. Setting Deposit Rates
- D. Regurgitating Information



WHAT ARE COMMON APPROACHES TO THE ALCO PROCESS?



APPROACHES TO ALCO

Economist Approach

Economy and Rates

Interest Rate Risk

Liquidity

Pricing Approach

Economy and Rates

Pricing

nterest Rate Risk

Capital

Interest Rate Risk Approach

Economy and Rates

Pricing

Interest Rate Risk

Liquidity

Broker Approach

Economy and Rates

Interest Rate Risk

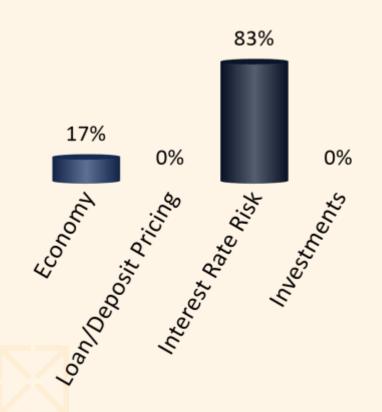
Liquidity

Investments



WHICH AREA IN YOUR ALCO MEETINGS DO YOU OVERWEIGHT?

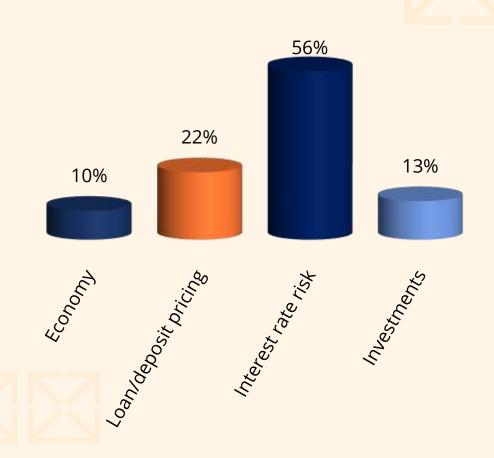
- A. Economy
- B. Loan/Deposit Pricing
- C. Interest Rate Risk
- D. Investments





PRE-MEETING SURVEY 2/3/23: WHICH AREA IN YOUR ALCO MEETINGS DO YOU OVERWEIGHT?

- A. Economy
- B. Loan/Deposit Pricing
- C. Interest Rate Risk
- D. Investments



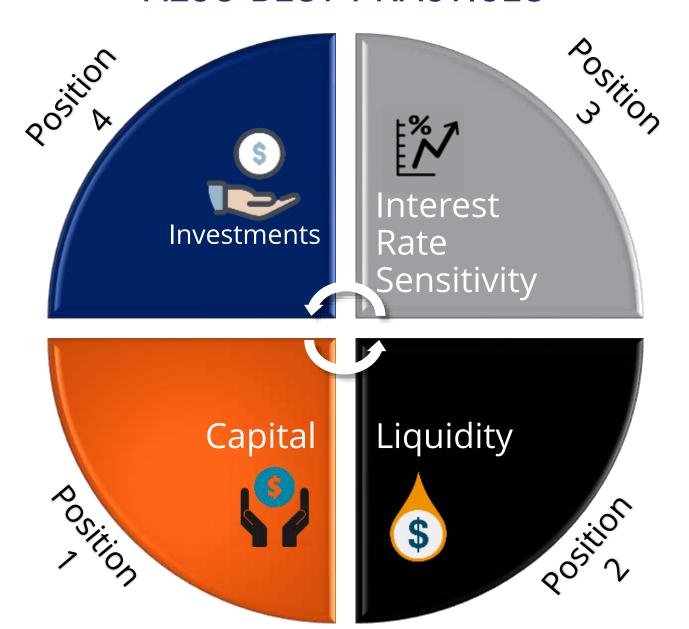
WHAT SHOULD AN ALCO PROCESS AND PACKET LOOK LIKE?



Position Assessment



ALCO BEST PRACTICES





HOW ARE FINANCIAL INSTITUTIONS DIFFERENT?

Balance Sheet Mix	Institution 1	Institution 2	Institution 3
Cash	10%	5%	0%
Investments	30%	50%	20%
Loans	60%	45%	80%
Loan Mix 1-4 Family Commercial Consumer Fixed Float Loan Marketplace	80%	20%	35%
	10%	40%	45%
	10%	40%	20%
	90%	20%	50%
	10%	80%	50%
	Flat	Flat	Strong Growth
Liquidity Position FHLB Borrowing Capacity Core Deposit Stability Pledging Requirements	High	Moderate	None
	Stable	Stable	Volatile
	High	None	None
Interest Rate Risk Position Asset/Liability Sensitivity	Liability	Asset	Neutral

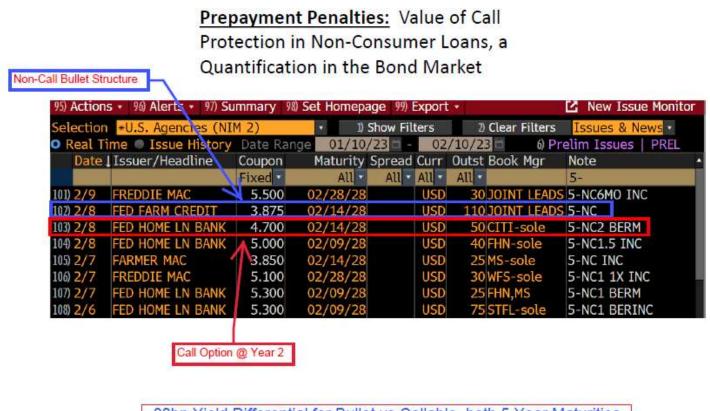


OBJECTIVES AND STRATEGIES





IMPORTANT LOAN PRICING CONSIDERATIONS



~80bp Yield Differential for Bullet vs Callable, both 5 Year Maturities

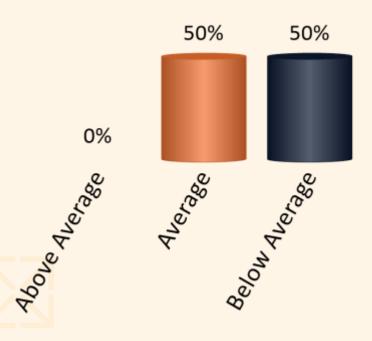


HOW WOULD YOU RATE YOUR ALCO PROCESS WHEN IT COMES TO DRIVING PROFITABILITY AND STRATEGIES?

A. Above Average

B. Average

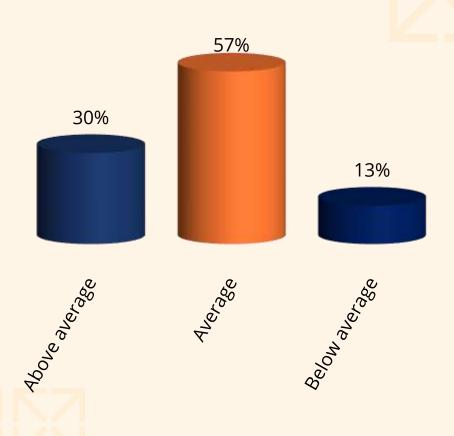
C. Below Average





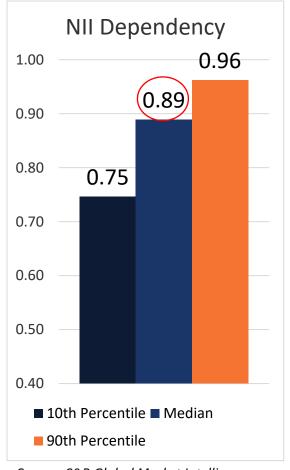
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- A. Above Average
- B. Average
- C. Below Average

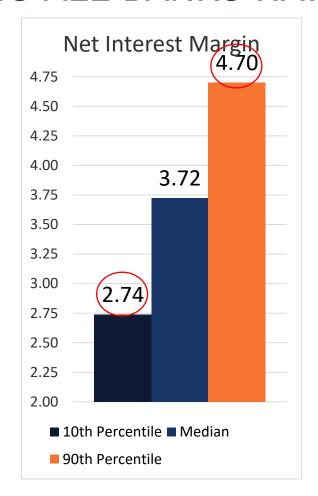




NII DEPENDENCY AND NIM AMONG ALL BANKS NATIONALLY



Source: S&P Global Market Intelligence, Data for all banks Nationally <\$15B as of 12/31/22





ONE YEAR NIM DOLLAR IMPACT

Earning Asset Size	Net Interest Income Change in thousands of dollars (due to Yield change in basis points)							
(in \$000)	5	10	15	20	25	30		
25,000	13	25	38	50	63	75		
50,000	25	50	75	100	125	150		
100,000	50	100	150	200	250	300		
250,000	125	250	375	500	625	750		
500,000	250	500	750	1,000	1,250	1,500		
1,000,000	500	1,000	1,500	2,000	2,500	3,000		



ALCO BEST PRACTICES

- Study the <u>Past</u>
- Monitor the Present
- Prepare for the <u>Future</u>





STUDY THE PAST



Where <u>were</u> we?

- Trend Analysis
- Historical Ratios
- Peer Comparison
- Balance Sheet Mix
- Rate Movements
- Spread Changes

Reflect

- What did we do right?
- What did we do wrong?
- Were our strategies effective?
- How did environment change?



MONITOR THE PRESENT



Where <u>are</u> we?

- Position Assessment
- Net Interest Margin Dissection
- Competition Analysis
- Word-Problem Approach
- Re-focus on Objectives

Reflect

- Loan Demand vs. Deposit Growth
- Rate Climate
- Current Profitability (or not!)
- Resources: Loan/Deposit Officers



PREPARE FOR THE FUTURE

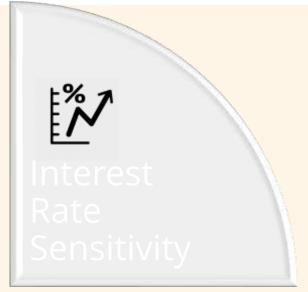


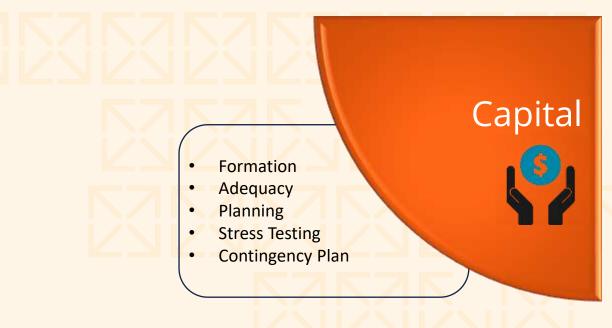
- Where <u>could we go</u>?
 - Accountability
 - Review Minutes: Action Items, Strategies
 - Tactical Forecasting
 - Loans vs. Deposit Projection
 - Liquidity Flows
 - Stress Testing
 - Capital: Credit Deterioration
 - Interest Rate Risk: Higher/Different Betas
 - Liquidity: Reduced Access to Funding
 - Securities: Cash Flow Volatility, Duration
 - Strategic Forecasting

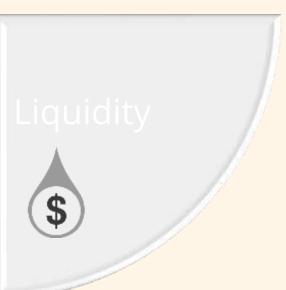


BALANCE SHEET MANAGEMENT - CAPITAL











STUDY THE PAST

					Loans (Concentr	ation Ex	pressed	as a % o	f Total (Capital				
Loan Sector	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Construction & Land	103%	88%	62%	55%	40%	38%	42%	36%	45%	53%	51%	54%	63%	69%	50%
Mortgages															
1st Lien	153%	144%	140%	137%	121%	137%	129%	124%	110%	119%	124%	128%	140%	154%	152%
2nd Lien	9%	9%	9%	7%	7%	7%	7%	6%	5%	4%	6%	7%	8%	8%	8%
Home Equity	15%	14%	12%	13%	12%	12%	11%	13%	15%	23%	14%	18%	15%	24%	23%
				_											
Multi Family	17%	17%	19%	16%	15%	18%	19%	8%	13%	21%	18%	19%	21%	20%	21%
Commercial Real Estate															
Owner Occupied	99%	99%	102%	102%	94%	109%	92%	87%	83%	96%	99%	102%	107%	115%	110%
Non-owner Occupied	75%	78%	67%	86%	117%	117%	104%	112%	113%	144%	159%	164%	175%	181%	180%
Commercial & Industrial	82%	79%	42%	44%	44%	52%	52%	72%	67%	73%	69%	71%	67%	73%	70%
Commercial & industrial	0270	1970	42 70	44 70	44 %	3270	32 70	1270	07 70	13%	0970	1 1 70	07 70	1370	70%
Farm Land	20%	26%	21%	21%	18%	17%	16%	15%	15%	21%	19%	18%	24%	21%	20%
Agriculture Production	4%	3%	2%	2%	2%	3%	2%	4%	4%	3%	2%	3%	4%	4%	5%
Ü															
Consumer	30%	28%	26%	25%	22%	22%	21%	22%	20%	20%	21%	21%	20%	21%	21%
_															
Total Loans	621%	600%	515%	523%	508%	545%	511%	521%	517%	603%	608%	618%	643%	655%	651%



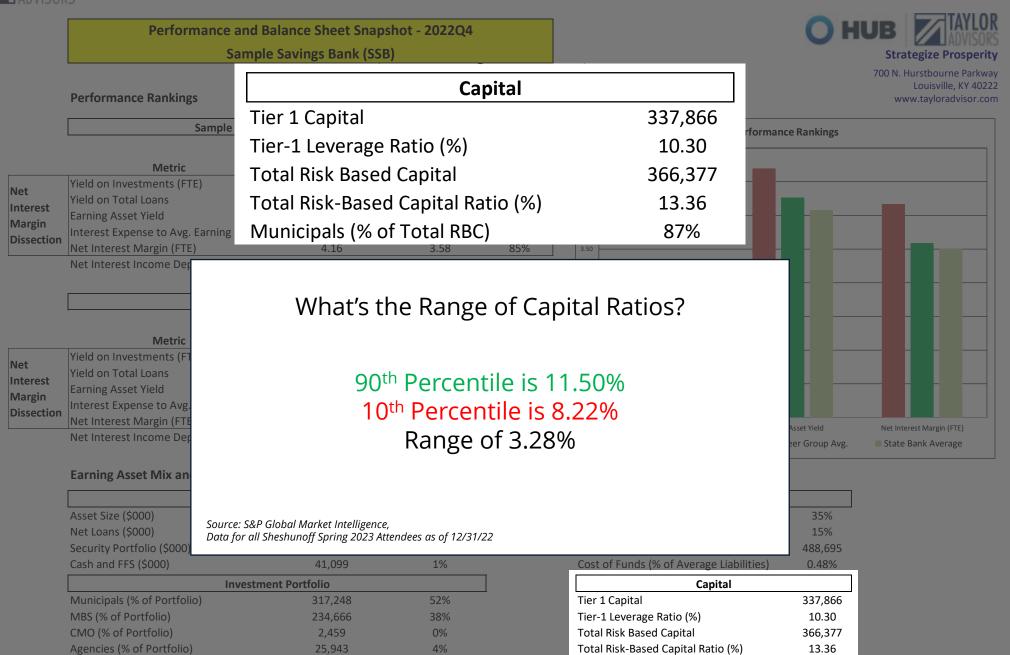
Other Securities (% of Portfolio)

33,237

5%

Municipals (% of Total RBC)

87%





PREPARE FOR THE FUTURE

CAPITAL STRESS TEST

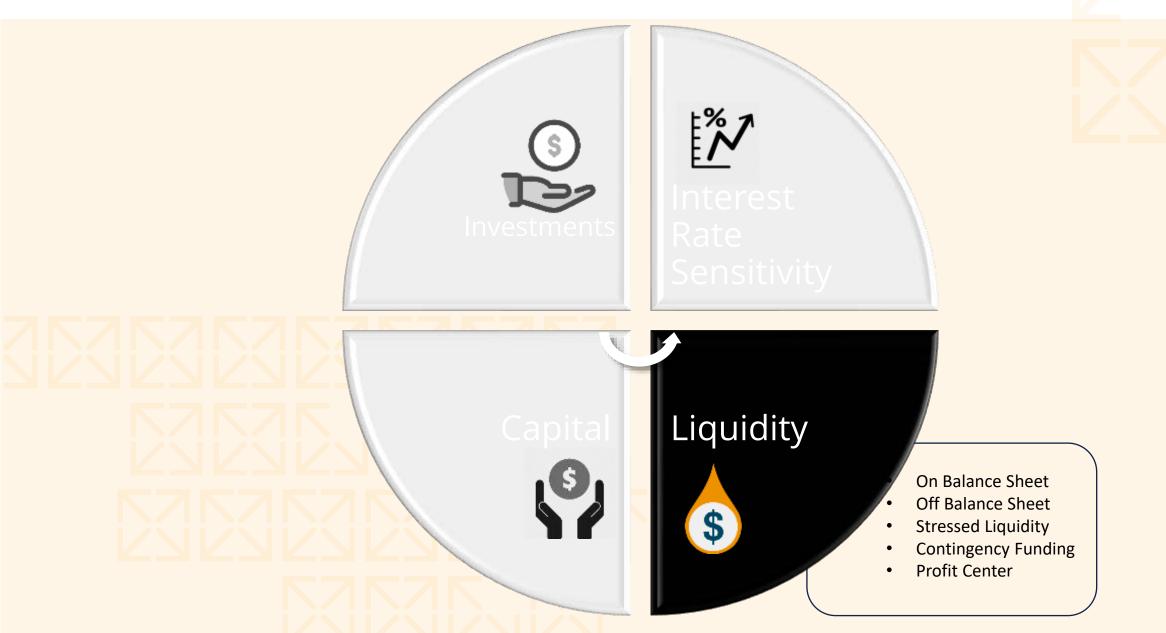
- How would your institution react if...
 - Loan concentrations in high risk sectors exceed guidelines
 - Asset quality deteriorates to historically stressful levels
 - Charge-offs increase
 - Dividends become restricted
 - Retained earnings fall (or become negative!)
 - Capital levels decline, leading to regulatory criticism

What tools do you have at your institution?

- Quantify and discuss capital adequacy
- Growth Stress Testing
- Credit Stress Testing
 - Comparison versus a historically stressful period (and higher)
 - Measuring the impact of credit loss on capital
 - Scenario Analysis mild and major recession



BALANCE SHEET MANAGEMENT - LIQUIDITY





STUDY THE PAST

ASSET MIX TREND



Source: S&P Global Market Intelligence,

Data for all banks Nationally <\$10B as of 12/31/22



PRE-MEETING SURVEY:

PLEASE CHOOSE THREE AREAS THAT ARE MOST IMPORTANT FOR DISCUSSION DURING THE HIGH PERFORMANCE IDEA EXCHANGE

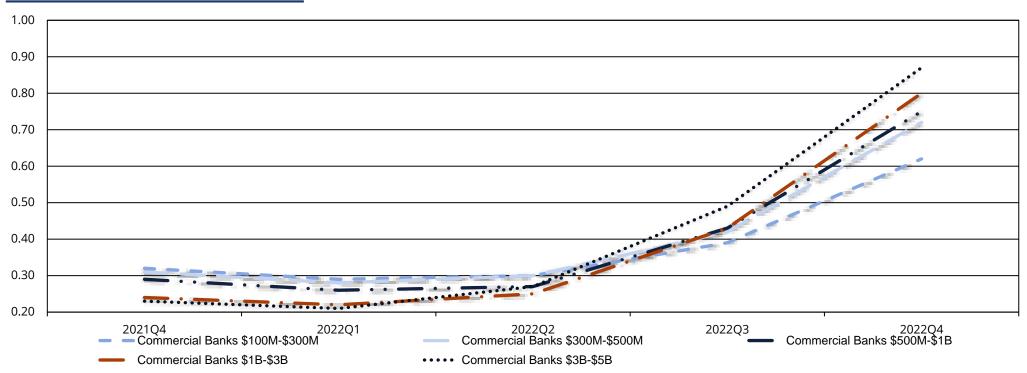
Answer Choices	Responses
Non-Interest Income and Expense Opportunities	53.73%
Enhanced Pricing Strategies	47.76%
Competitive Innovation	41.79%
Investment Portfolio and Liquidity Management	41.79%
Business Development Approaches	35.82%
Fintech Opportunities (Vendors/Alliances)	20.90%
Employee and Board Engagement	19.40%
Risk / Legal / Regulatory	17.91%
Lending Portfolio Management	11.94%
Other (please identify)	10.45%





STUDY THE PAST

HISTORICAL COST OF FUNDS TREND

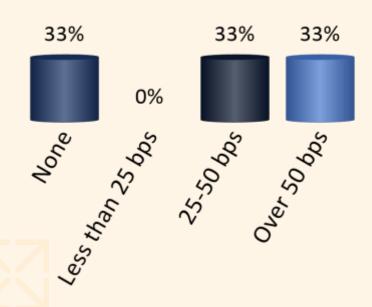


Asset Size	21Q4	22Q1	22Q2	22Q3	22Q4	YOY Change
\$100M-\$300M	0.32	0.29	0.30	0.39	0.62	+0.30
\$300M-\$500M	0.31	0.28	0.30	0.42	0.72	+0.41
\$500M-\$1B	0.29	0.26	0.27	0.43	0.75	+0.46
\$1B-\$3B	0.24	0.22	0.25	0.43	0.80	+0.56
\$3B-\$5B	0.23	0.21	0.27	0.49	0.87	+0.64



HOW MUCH DO YOU ANTICIPATE OVERALL DEPOSIT RATES AT YOUR BANK INCREASING IN THE NEXT 12 MONTHS?

- A. None
- B. Less than 25 bps
- C. 25-50 bps
- D. Over 50 bps





PRE-MEETING SURVEY 2/3/23:

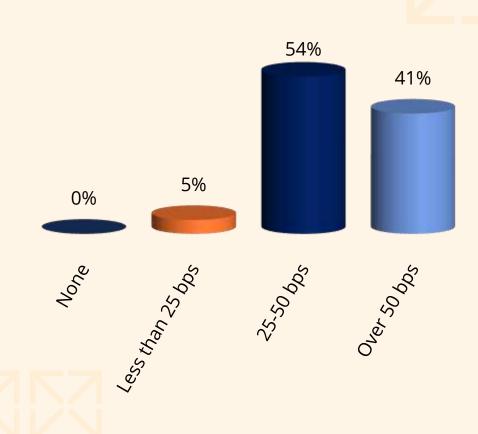
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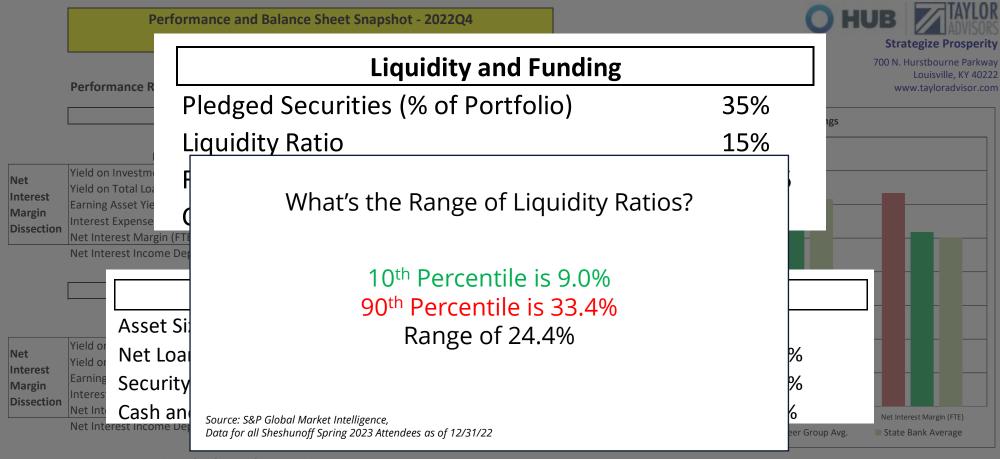
B. Less than 25 bps

C. 25-50 bps

D. Over 50 bps







Earning Asset Mix and Balance Sheet Positions

Earning	Earning Asset Mix							
Asset Size (\$000)	3,533,305							
Net Loans (\$000)	2,518,839	71%						
Security Portfolio (\$000)	613,553	17%						
Cash and FFS (\$000)	41,099	1%						
Investm	Investment Portfolio							
Municipals (% of Portfolio)	317,248	52%						
MBS (% of Portfolio)	234,666	38%						
CMO (% of Portfolio)	2,459	0%						
Agencies (% of Portfolio)	25,943	4%						
Other Securities (% of Portfolio)	33,237	5%						

Liquidity and Funding								
Pledged Securities (% of Portfolio)	35%							
Liquidity Ratio	15%							
FHLB Advances and Brokered CDs (\$000)	488,695							
Cost of Funds (% of Average Liabilities)	0.48%							
Capital								
Tier 1 Capital	337,866							
Tier-1 Leverage Ratio (%)	10.30							

13.36

87%

Total Risk Based Capital

Total Risk-Based Capital Ratio (%)
Municipals (% of Total RBC)



PREPARE FOR THE FUTURE

LIQUIDITY STRESS TEST

- How would your institution react if...
 - FHLB Capacity was significantly reduced
 - Wholesale Deposit lines were shut off
 - Deposit run-off exceeded historical norms
 - The institution became subject to deposit rate caps

What tools do you have at your institution?

- Quantify and monitor liquidity position
- Contingency Funding Plan: How would you cure a shortfall?
- Early Warning Indicators
 - Prevent liquidity crisis before being subject to restrictions



BALANCE SHEET MANAGEMENT – INTEREST RATE RISK



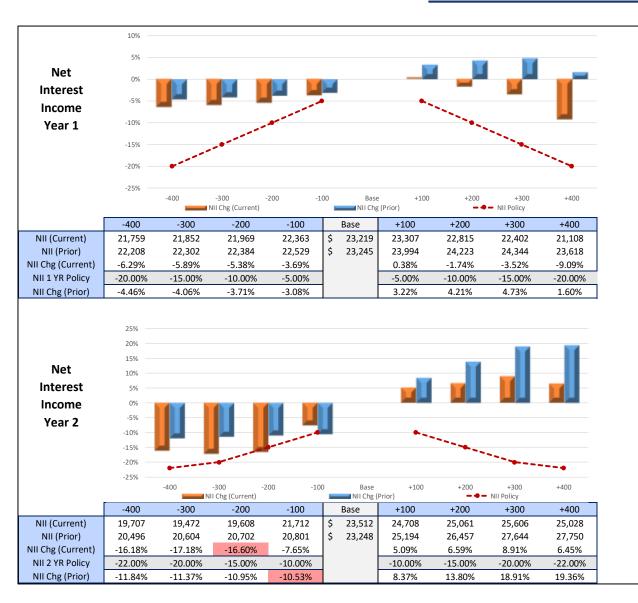


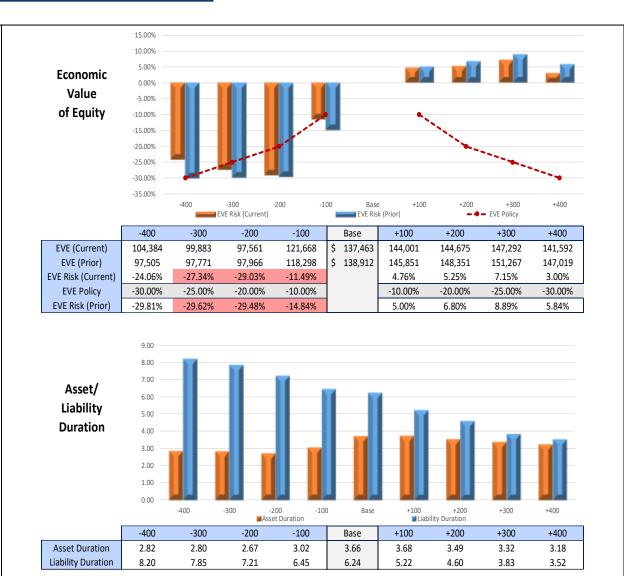
STUDY THE PAST

Risk Scorecard								
12/31/2021								
	Policy Guideline	Dec-21	W/in Guideline (Y/N)	Oct-21	Jul-21	May-21	Feb-21	Nov-20
Interest Rate Risk						_		
Net Interest Income at Risk (1 Yr):	NII Max. Change							
Shocked up 400 bpts	-16%	14.32%	Yes	15.99%	14.11%	18.46%	22.31%	22.45%
Shocked up 300 bpts	-12%	11.33%	Yes	12.57%	11.07%	14.42%	17.60%	17.61%
Shocked up 200 bpts	-8%	8.02%	Yes	9.01%	7.90%	10.00%	12.07%	12.06%
Shocked up 100 bpts	-4%	4.24%	Yes	4.60%	4.09%	4.93%	6.12%	6.07%
Shocked down 100 bpts	-4%	-1.42%	Yes	-1.23%	-1.26%	-1.40%	-1.26%	-1.10%
Shocked down 200 bpts	-8%	-2.03%	Yes	-1.79%	-1.77%	-1.95%	-1.97%	-1.90%
Shocked down 300 bpts	-12%	-2.49%	Yes	-2.13%	-2.12%	-2.29%	-2.37%	-2.46%
Shocked down 400 bpts	-16%	-2.57%	Yes	-2.24%	-2.17%	-2.37%	-2.50%	-2.57%
Net Interest Income at Risk (2 Yr):	NII Max Change							
Shocked up 400 bpts	-32%	16.72%	Yes	18.34%	17.19%	21.91%	25.76%	25.72%
Shocked up 300 bpts	-24%	13.52%	Yes	14.61%	13.78%	17.49%	20.55%	20.51%
Shocked up 200 bpts	-16%	9.57%	Yes	10.65%	9.88%	12.21%	14.25%	14.25%
Shocked up 100 bpts	-8%	5.03%	Yes	5.38%	5.17%	6.12%	7.26%	7.26%
Shocked down 100 bpts	-8%	-1.84%	Yes	-1.61%	-1.48%	-1.61%	-1.32%	-1.32%
Shocked down 200 bpts	-16%	-2.67%	Yes	-2.33%	-2.19%	-2.35%	-2.42%	-2.42%
Shocked down 300 bpts	-24%	-3.36%	Yes	-2.89%	-2.81%	-2.93%	-3.23%	-3.23%
Shocked down 400 bpts	-32%	-3.47%	Yes	-3.07%	-2.88%	-3.07%	-3.39%	-3.39%
Economic Value of Equity:	EVE Max. Change							
Shocked up 400 bpts	-25%	2.71%	Yes	7.05%	7.73%	18.81%	24.40%	30.09%
Shocked up 300 bpts	-20%	4.74%	Yes	7.77%	9.18%	13.93%	20.78%	22.29%
Shocked up 200 bpts	-15%	5.97%	Yes	7.94%	6.03%	11.33%	16.03%	17.00%
Shocked up 100 bpts	-10%	4.27%	Yes	4.62%	3.02%	5.65%	8.18%	9.05%
Shocked down 100 bpts	-10%	-15.95%	No	-17.25%	-15.04%	-18.61%	-13.38%	-9.74%
Shocked down 200 bpts	-15%	-25.45%	No	-19.14%	-14.54%	-18.12%	-12.84%	-9.24%
Shocked down 300 bpts	-20%	-25.05%	No	-18.70%	-14.02%	-17.62%	-12.32%	-8.66%
Shocked down 400 bpts	-25%	-24.93%	Yes	-18.59%	-13.89%	-17.50%	-12.19%	-8.53%



MONITOR THE PRESENT







PREPARE FOR THE FUTURE INTEREST RATE RISK STRESS TEST

Stress Testing of Critical Assumptions

				Net Interest Inco	ome Year 1				
Scenario*	-400	-300	-200	-100	Level	+100	+200	+300	+400
Static Forecast	-4.2%	-4.2%	-4.2%	-2.8%		1.4%	4.8%	10.3%	16.6%
50% Prepay	-3.4%	-3.4%	-3.5%	-2.4%	0.0%	1.2%	4.4%	9.7%	15.8%
150% Prepay	-5.0%	-4.9%	-4.9%	-3.2%	0.0%	1.6%	5.2%	10.8%	17.3%
8x Deposit Beta	-4.2%	-4.3%	-4.3%	-3.0%	0.0%	1.7%	5.3%	11.1%	17.6%
1.2x Deposit Beta	-4.2%	-4.2%	-4.2%	-2.7%	0.0%	1.1%	4.3%	9.6%	15.7%
ALCO Policy	-24%	-18%	-12%	-6%	988000	-6%	-12%	-18%	-24%
				Net Interest Inco	me Year 2				
Scenario	-400	-300	-200	-100	Level	+100	+200	+300	+400
Static Forecast	-8.6%	-8.6%	-8.5%	-5.7%		3.6%	9.4%	17.6%	26.7%
50% Prepay	-7.1%	-7.1%	-7.1%	-4.8%	0.0%	3.1%	8.6%	16.4%	25.1%
150% Prepay	-9.8%	-9.8%	-9.7%	-6.4%	0.0%	4.0%	10.1%	18.6%	28.0%
8x Deposit Beta	-8.6%	-8.7%	-8.6%	-5.8%	0.0%	3.8%	9.8%	18.2%	27.5%
1.2x Deposit Beta	-8.6%	-8.6%	-8.4%	-5.5%	0.0%	3.4%	9.0%	17.0%	25.8%
ALCO Policy	-29%	-23%	-17%	-11%		-11%	-17%	-23%	-29%
			1	Economic Value	e of Equity				
Scenario	-400	-300	-200	-100	Level	+100	+200	+300	+400
Static Forecast	-23.4%	-23.3%	-10.9%	-2.6%		-1.5%	-3.6%	-5.5%	-7.0%
50% Prepay	-13.5%	-13.5%	-3.2%	0.3%	0.0%	-3.1%	-5.9%	-8.3%	-10.3%

-4.5%

-2.8%

-2.4%

0.9%

-15%

0.0%

0.0%

0.0%

0.0%

-0.4%

-1.3%

-1.8%

-4.0%

-15%

-1.7%

-3.1%

-4.0%

-8.2%

-25%

-3.1%

-4.7%

-6.1%

-12.0%

-30%

-4.2%

-6.1%

-7.8%

-15.2%

-35%

Source: Stifel Analytics Interest Rate Risk Model

-28.0%

-22.8%

-22.8%

-7.9%

-35%

-28.0%

-22.9%

-22.8%

-7.9%

-30%

-15.2%

-10.7%

-10.6%

-3.3%

-25%

150% Prepay

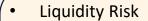
.8x Deposit Beta

1.2x Deposit Beta

25% Decay Term

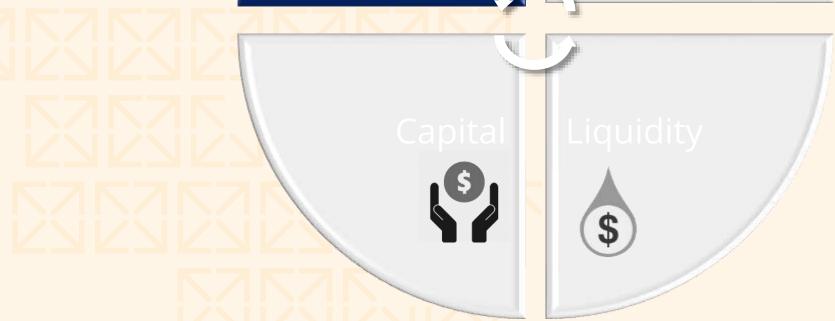
ALCO Policy

O HUB TAYLOR BALANCE SHEET MANAGEMENT – INVESTMENTS



- Price Risk
- Credit Risk
- **Impairment**
- Risk Adjusted Returns
- **ALM Considerations**

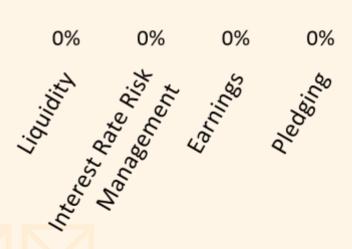






WHAT IS THE PRIMARY OBJECTIVE OF YOUR INVESTMENT PORTFOLIO?

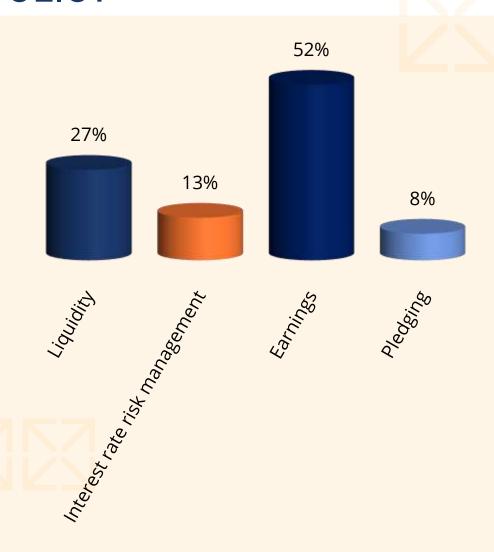
- A. Liquidity
- B. Interest Rate Risk
 Management
- C. Earnings
- D. Pledging





WHAT IS THE PRIMARY OBJECTIVE OF YOUR INVESTMENT PORTFOLIO?

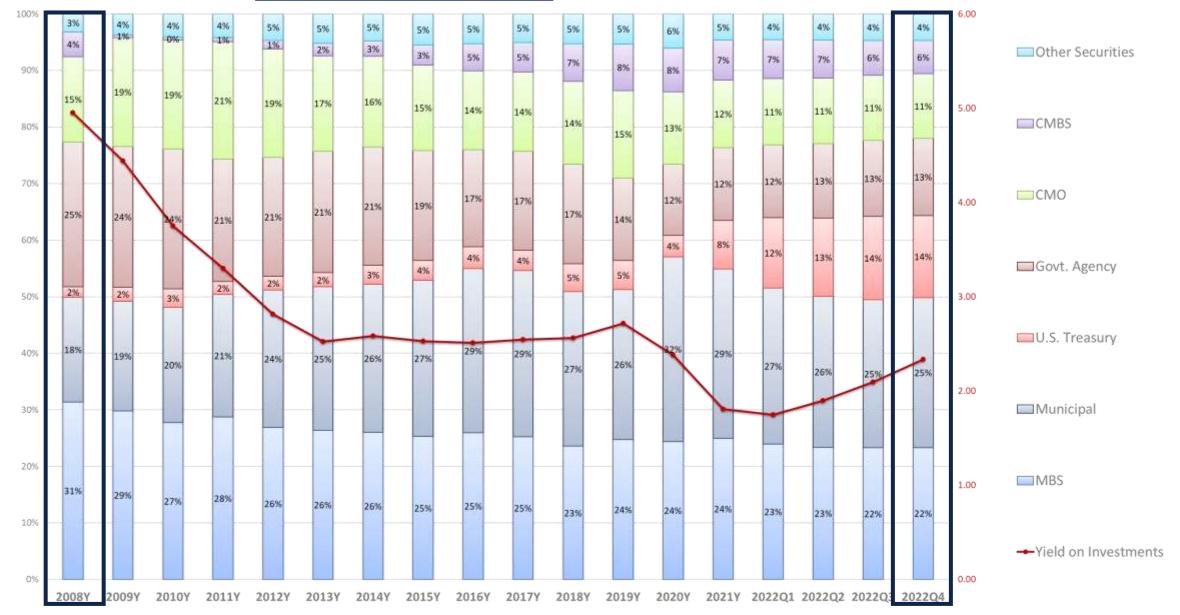
- A. Liquidity
- B. Interest Rate Risk
 Management
- C. Earnings
- D. Pledging





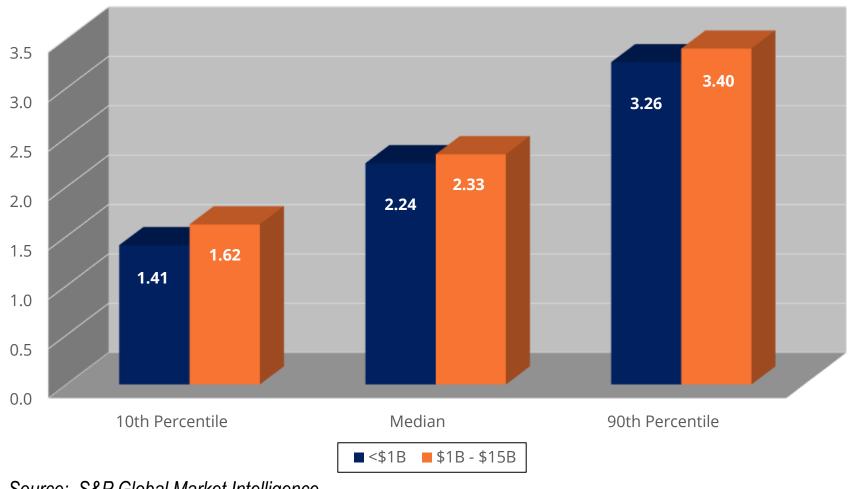
STUDY THE PAST

SECURITY MIX TREND





MONITOR THE PRESENT INVESTMENT YIELD STATISTICS



Source: S&P Global Market Intelligence,

Data for all Banks Nationally <\$15B as of 12/31/22



PREPARE FOR THE FUTURE INVESTMENT MANAGEMENT BEST PRACTICES



Strategy

- Independent expert advice on portfolio strategies with regular review
- Whole-Institution perspective approach to portfolio positioning



Investment Mix

- Diversification among investment sectors, risk/reward & relative value analysis
- Expanded range of permissible investment products



Security Selection

- Market knowledge and expertise helps optimal security selection
- Monitor policy compliance with security purchases



Trade Execution

- Poor trade execution can impact investment returns
- Fiduciary vs. Broker





TAYLOR ADVISORS EBRIEF – ASSESSING YOUR INVESTMENT PROCESS

Assessing Your Investment Process and Portfolio Performance: Broker vs. Advisor Approach

10/28/2020 | 8 MIN READ

Investment portfolios and overnight cash positions have grown significantly at many financial institutions due to a recent surge in deposits and slower portfolio loan demand. With record low interest rates, carrying excess cash on the balance sheet has been costly. These factors are forcing executive teams to re-focus on the investment portfolio to help relieve net interest margin pressure from declining earning asset yields.

In general, financial institutions have two options for managing the investment portfolio. We will refer to these as the Broker and the Advisor approach.

The Broker Approach

An institution's financial executive (CFO, President, Portfolio Manager, etc.) has the option of working directly with a variety of brokers/brokerage firms to make investments for the portfolio. Usually, brokers will present different products for consideration often via...

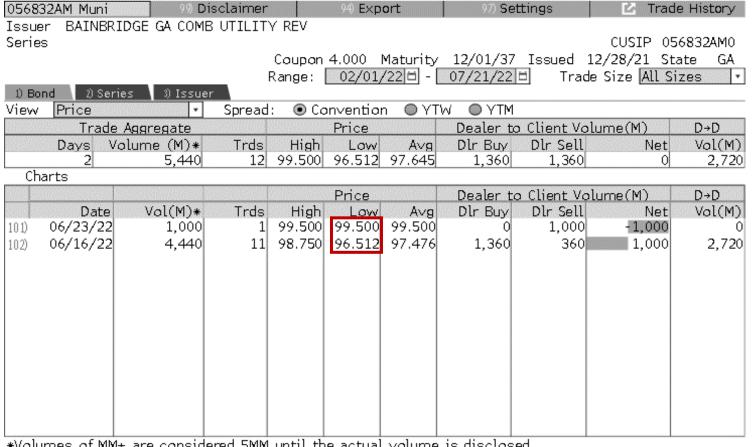
Read Full Article

If you are considering a change from a broker approach to an advisor approach or switching advisors, below we discuss seven benefits and/or best practices of working with an investment advisor to improve portfolio and balance sheet performance:

- 1. Investment Management from a Whole Balance Sheet Perspective
- 2. Accountability & Transparency
- 3. Strategy and Relative Value Analysis
- 4. Exclusive Product Access
- 5. Staying in Control
- 6. Reducing Transaction Costs and Improving Execution
- 7. Redirected Productivity



Poor Trade Execution: Lower Liquidity



*Volumes of MM+ are considered 5MM until the actual volume is disclosed.

**Rustralia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000

**Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2022 Bloomberg Finance L.P.

**SN 455022 EDT GMT-4:00 G657-3659-171 21-Jul-2022 16:08:21

Transaction Details

99.500 Client Px

- 96.512 Broker Px

= **2.988** Excessively High

Mark-Up

<u>x 1,000,000 PAR</u> **\$29,880 Broker Commission**

x 10 million PAR

\$298,800 Broker Commission

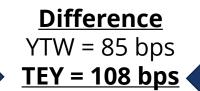


Missing Out on Exclusive Opportunities

Sample Bank Purchased

YTC = 2.85%

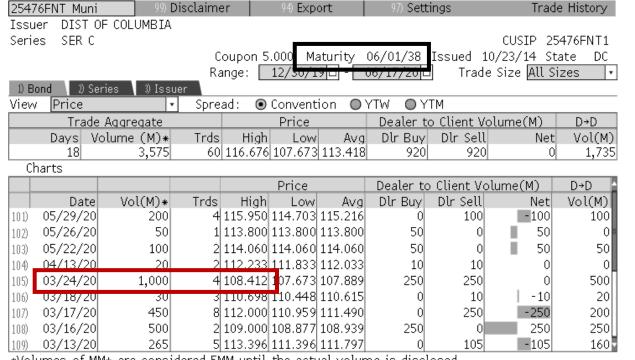
(3.60% TEY)



TA Client Purchase

YTC = 3.70%

(4.68% TEY)



*Volumes of MM+ are considered 5MM until the actual volume is disclosed.

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000

Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2020 Bloomberg Finance L.P. .

SN 455022 EDT GMT-4:00 H451-2816-1 17-Jun-2020 16:13:07

Moody's: Aaa (Underlying) S&P: AA+

983	22QHS Muni		isclaime		94) Exp	ort	97) Sett	ings	Trade	e History	
Issu		NG ST CMNTY	DEV AU	TH HSG							
Seri	es SER 3		_	_		-		1	CUSIP 98		
				oupon 3.			06/01/39		2/05/15 St		
- 1 -	Range: 03/09/2010 - 08/26/2010 Trade Size All Sizes 🔻										
		eries 3) Issu	_					_			
Viev			Spre	ad: 🖲	Convent	ion 🔘	YTW OY		- ()		
		Aggregate			Price			o Client Vo		D→D	
	-	olume (M)*	Trds	High	Low		Dlr Buy	Dlr Sell	Net	Vol(N	
	6	16,280	16	105.033	99.000	102.099	4,070	4,090	-20	8,1	
Charts											
					Price			<u>o Client V</u>	olume(M)	D→D	
	Date	Vol(M)*	Trds		Low		Dlr Buy	Dlr Sell	Net	Vol(1	
101)	07/15/20	270	3	105.000	103.695	104.172	0	90	-90	1	
102)	06/18/20	90	1	105.033	105.033	105.033	90	0	90		
103)	04/14/20	40	2	104.625	103.625	104.125	0	20	-20		
104)	03/24/20	15,760	4	100.000	99.000	99.485	3,940	3,940	0	7,8	
105)	03/13/20	60	3	101.485	101.235	101.368	20	20	0		
106)	03/09/20	60	3	102.009	101.809	101.916	20	20	0		
*Vol	lumes of Mi	1+ are consid	lered 5M	IM until 1	the actu	al volum	e is disclo	sed.			

Moody's: Aa1 (Underlying)

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000
Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2021 Bloomberg Finance L.P.

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S&P: AA+

WHAT IS YOUR INSTITUTION'S PORTFOLIO YIELD?

INVESTMENT MIX?



Performance and Balance Sheet Snapshot - 2021Q4 Sample Savings Bank (SSB)



00 N. Hurstbourne Parkway Louisville, KY 40222 www.tayloradvisor.com

	Performance I		Sample Savings	Sample Savings Bank versus UBPR Peer Group								
			Metric	Sample Savings Bank	UBPR Peer Group Average	Percentile Rank						
Net	Yield on Investm		Yield on Investments (FTE)	3.81	1.78	98%						
IINTERECT	Yield on Total Lo Earning Asset Yi		Yield on Total Loans	4.39	4.69	33%						
Margin	Interest Expense	Margin	Earning Asset Yield	4.23	3.49	88%						
Dissection	Interest Expense Net Interest Ma Net Interest Inco	Discostion	Interest Expense to Avg. Earning Assets	0.40	0.22	89%						
	Net Interest Inco	Dissection	Net Interest Margin (FTE)	3.82	3.26	84%						
			Net Interest Income Dependency Ratio	0.46	0.81	2%						

nterest Wargin Yield on Total 1 Earning Asset 1 Interest Expens		Asset Mix and Bal	ance She	et Positi	ions							
Net Interest M Net Interest In		Earning Asset Mix										
	Asset Size	(\$000)		1,758,936								
Earning Asset	Net Loans	(\$000)		1	L,303,874	749	%					
Asset Size (\$00	Security Po	ortfolio (\$000)			220,927	139	%					
Net Loans (\$00 Security Portfo	Cash and I	FS (\$000)			29	6						
Cash and FFS (\$	000)	36,991	2%									



A PROVEN INVESTMENT PROCESS LEADS TO HIGHER RETURNS OVER LONG PERIODS OF TIME

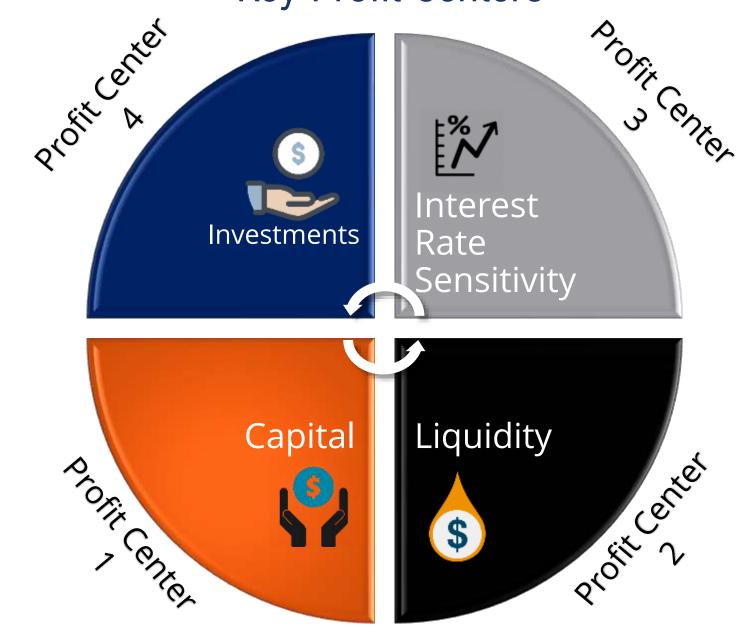
Taylor Advisors Performance
Yield on Investment Securities (Fully Taxable Equivalent)
Municipal Advisory Clients

Investment Yield Performance Municipal Advisory Clients

Time Period	New Clients	Tenured Clients	Non-Clients	Taylor Advisors Outperformance (Tenured Clients)
MRQ	2.21	2.65	2.24	+0.41
T12M	1.84	2.42	1.99	+0.43
2021	1.62	2.24	1.74	+0.50
2020	2.26	2.93	2.27	+0.66
2019	2.55	3.28	2.61	+0.67
2018	2.79	3.10	2.46	+0.64
2017	2.57	3.41	2.41	+1.00
2016	2.63	3.44	2.35	+1.09



Key Profit Centers





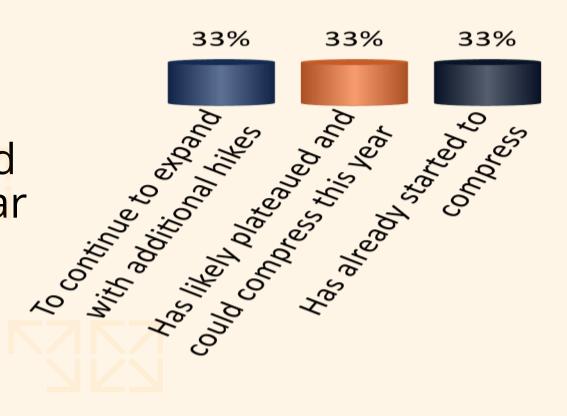
OBJECTIVES AND STRATEGIES





YOU EXPECT YOUR BANK'S NET INTEREST MARGIN:

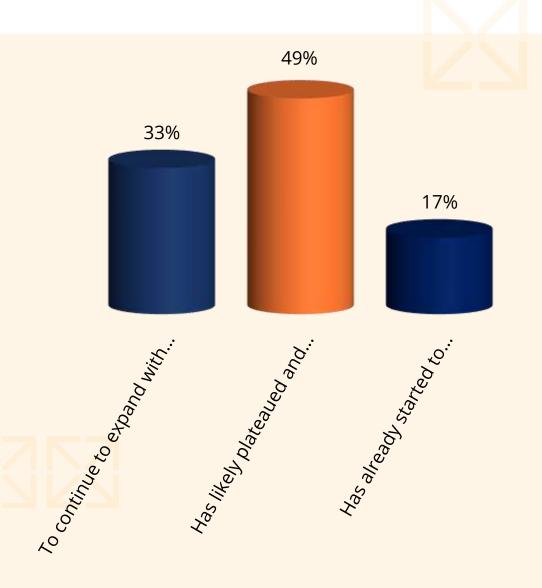
- A. To continue to expand with additional hikes
- B. Has likely plateaued and could compress this year
- C. Has already started to compress





PRE-MEETING SURVEY 2/3/23: YOU EXPECT YOUR BANK'S NET INTEREST MARGIN:

- A. To continue to expand with additional hikes
- B. Has likely plateaued and could compress this year
- C. Has already started to compress





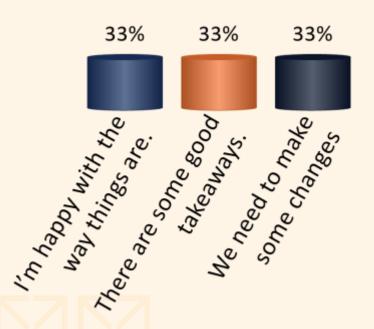
ONE YEAR NIM DOLLAR IMPACT

Earning Asset Size	Net Interest Income Change in thousands of dollars (due to Yield change in basis points)								
(in \$000)	5	10	15	20	25	30			
25,000	13	25	38	50	63	75			
50,000	25	50	75	100	125	150			
100,000	50	100	150	200	250	300			
250,000	125	250	375	500	625	750			
500,000	250	500	750	1,000	1,250	1,500			
1,000,000	500	1,000	1,500	2,000	2,500	3,000			



WHAT DO YOU THINK ABOUT REIMAGINING YOUR ALCO PROCESS?

- A. I'm happy with the way things are.
- B. There are some good takeaways.
- C. We need to make some changes









Todd Taylor, CPA, CFA

E-mail: todd.taylor@hubinternational.com

Website: www.TaylorAdvisor.com

Phone: 502-412-2524

