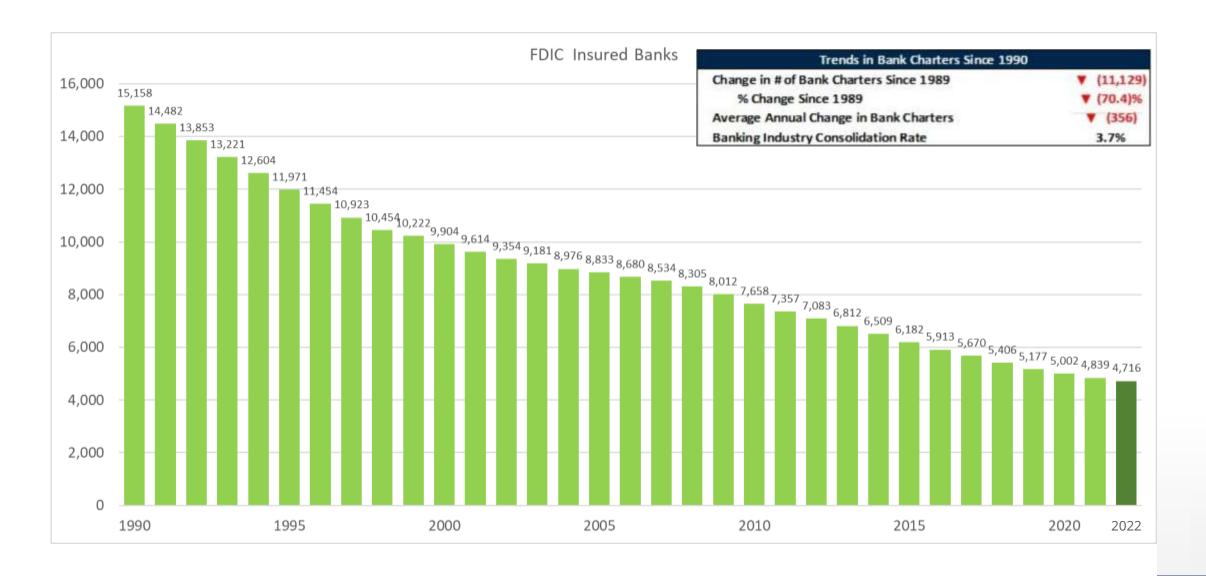






The ALCO Challenge: Regulatory Appeasement or Profit Improvement?







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 **Reimagine "Old School" ALCO** to drive better and/different strategies
- Receive: Presentation with Polling Responses and Articles





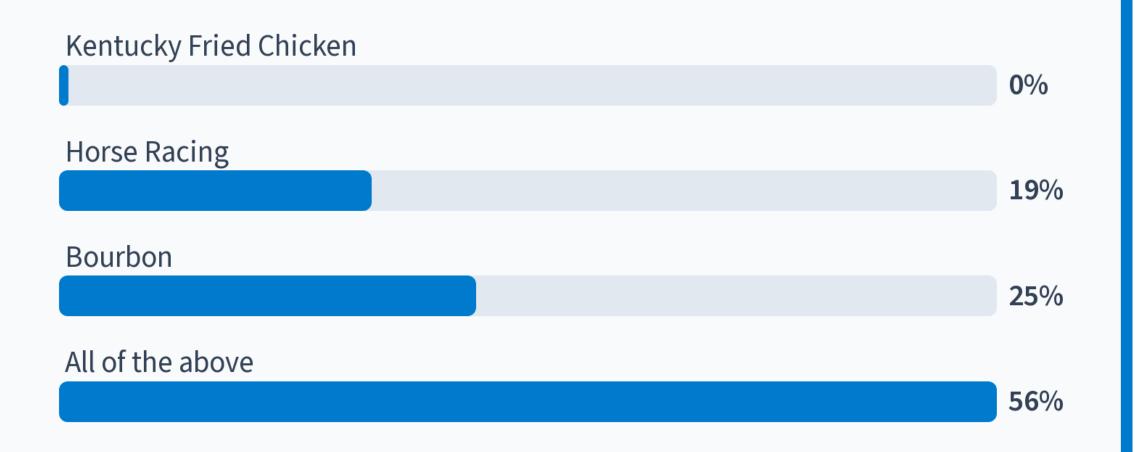


Use your Phone to Scan our QR Code

- Don't download the app, stay in web
- Dismiss Cookies and Skip
- ▼ You'll see "Waiting for presentation to begin"
- Wait for first prompt to record responses

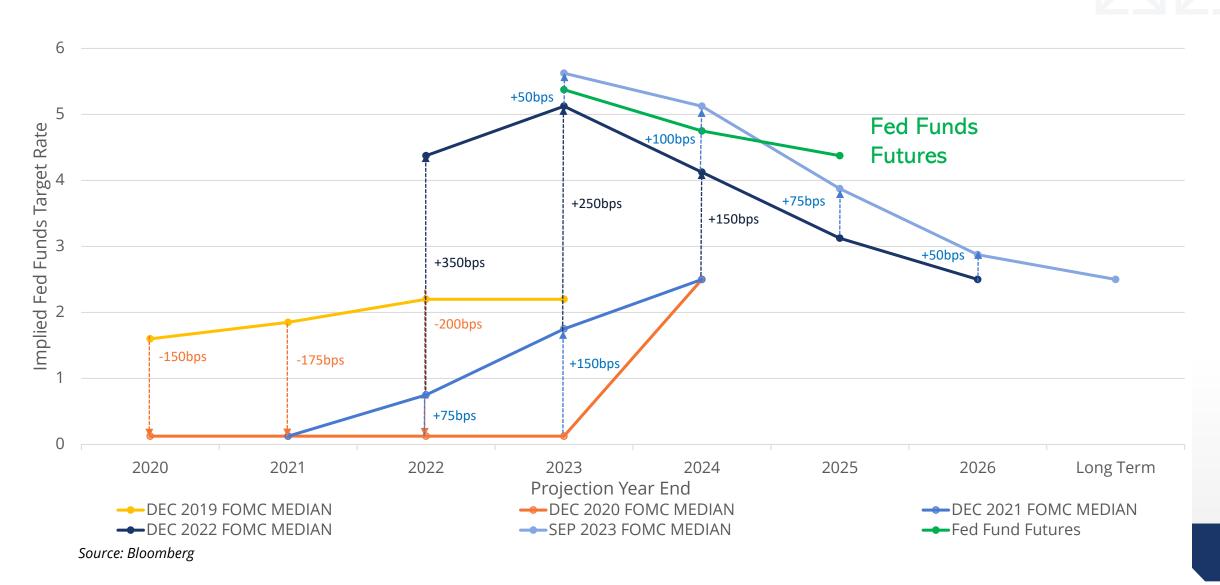


What is Kentucky best known for?





FED DOT PLOT & IMPLIED FED FUNDS TARGET RATE



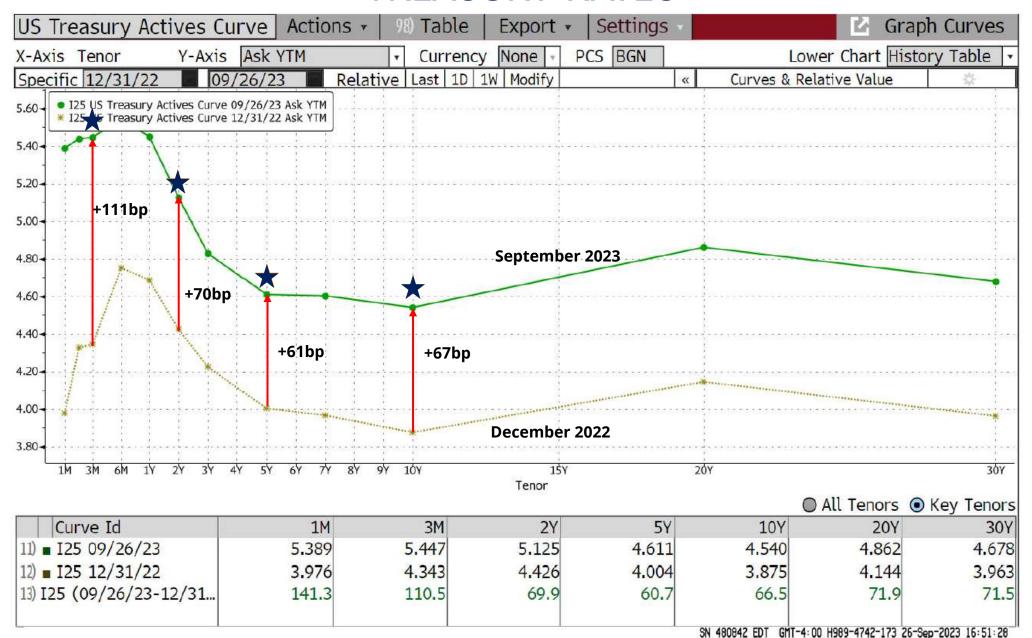


TREASURY RATES





TREASURY RATES





BANK HEADLINES/HEAD WINDS













- Washington Trust Bancorp (WASH): Underweight
 - Lowering Our Rating to Underweight: 1Q23 Results About 20% Below Expectations
- Bank of Hawaii (BOH): Neutral
 - 1Q23 First Look: EPS Fall Short on Margin Pressure; Deposits Decline Less than 1%
- Chemung Financial Corporation (CHMG): Neutral
 - 1Q23 EPS Review Beat with Solid Loan Growth, but NIM Pressure is Mounting
- National Bankshares Inc. (NKSH): Overweight
 - 1Q23 Earnings Review: Reducing Estimates on Thinner NIM; Reit. OW
- KeyCorp (KEY): Neutral
 - KEY 1Q23 First Look: Core EPS Misses; Lower NII to Pressure Expectations
- OceanFirst Financial Corp. (OCFC): Neutral
 - 1Q23 First Look: Earnings Miss on NII/NIM Shortfall



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



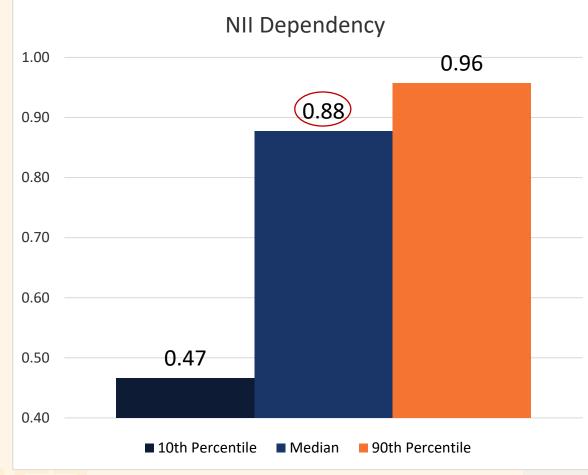
NII DEPENDENCY AMONG ALL BANKS NATIONALLY

Net Interest Income (NII)

Net Interest Income (NII)

+

Non-Interest Income



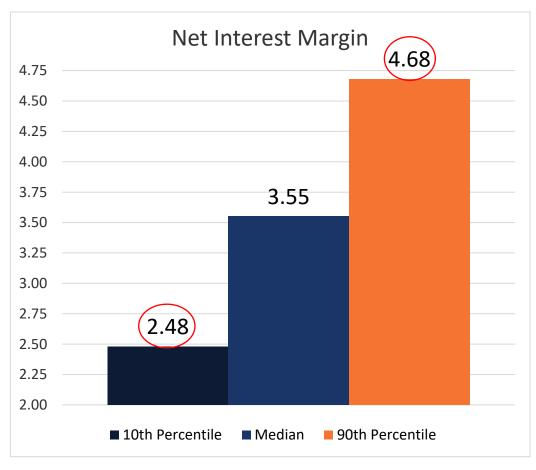
Source: S&P Global Market Intelligence, Data for all Banks Nationally <\$15B as of 6/30/23



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



NET INTEREST MARGIN AMONG ALL BANKS NATIONALLY

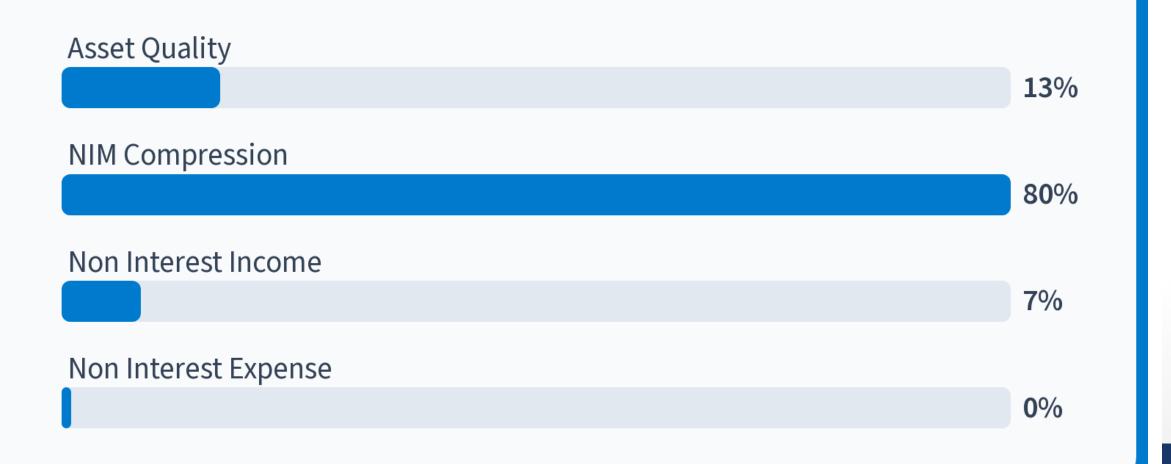


Source: S&P Global Market Intelligence,

Data for all banks Nationally <\$15B as of 6/30/23



What is your biggest concern regarding your bank's profitability?

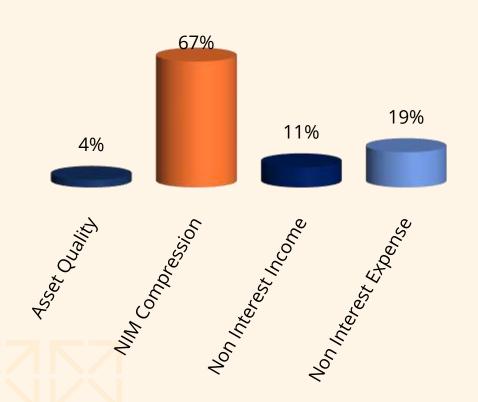




SHESHUNOFF CEO PRE-MEETING SURVEY 4/4/23:

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

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





PERFORMANCE SNAPSHOT REQUEST

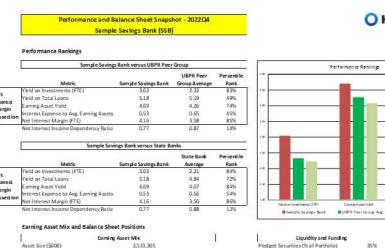
Info.tayloradvisor.com/snapshot

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.



17%

FHLB Advances and Brokered CDs (\$000)

Tier-1 Leverage Ratio (%)

otal Risk Based Capital

otal Risk-Based Capital Ratio (%

488.695

337,866

366,377

2518 839

41.099

234,666

2,459

613.553

Net Loans (\$000)

Security Partfalia (5000

MBS (% of Partiblio)

CMO (% of Portfolia)

Agencies 6% of Portfolio

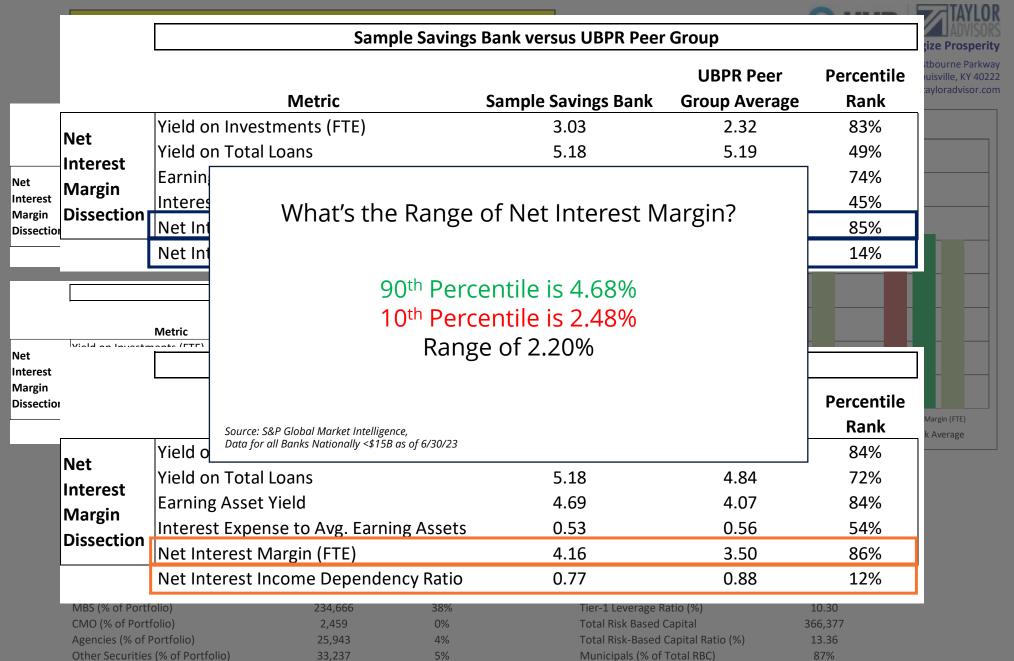
Other Securities (% of Partiolia)

WHAT IS YOUR INSTITUTION'S

NET INTEREST INCOME DEPENDENCY?

NET INTEREST MARGIN?







Performance and Balance Sheet Snapshot - 2022Q4 Sample Savings Bank



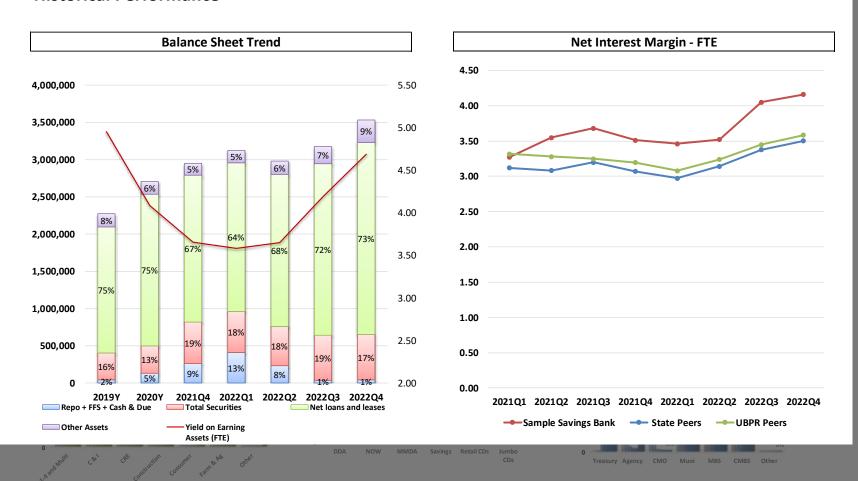
■2019Y ■2020Y ■2021Q4 ■2022Q1 ■2022Q2 ■2022Q3 ■2022Q4

Strategize Prosperity

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

Historical Performance

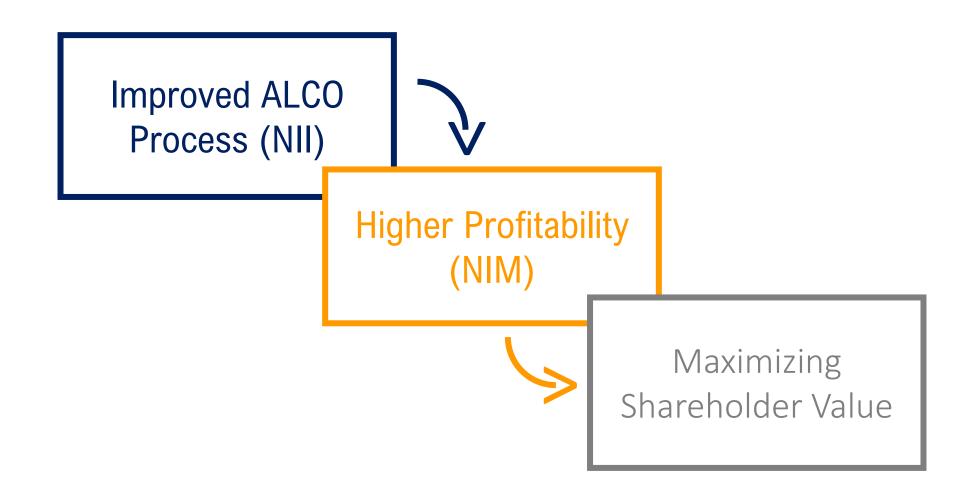
Historical Performance



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



BENEFITS OF A STRONG ALCO PROCESS





7 1970's 1st IRR Model Created 1977

> **Rate Sensitive Assets To Rate Sensitive Liabilities** (GAP Analysis)



7 1980's

1st CMO Created 1983

Rate Sensitive Assets To Rate Sensitive Liabilities (GAP Analysis)

Earning At Risk

7 1990's

S&L Banking Crisis 1986-1995

Rate Sensitive Assets To Rate Sensitive Liabilities (GAP Analysis)

Earning At Risk

Economic Value Of Equity

7 1990's-2000

Dot-Com Bubble & Collapse 1997-2000

> **Less Focus On GAP Analysis**

Earning At Risk

Interest Income Stress Testing Economic Value Of Equity

Industry Default Loan & **Deposit Assumptions**

7 2000's

Subprime Mortgage Crisis 2007-2009

> **Less Focus On GAP Analysis**

> Earning At Risk

Interest Income Stress Testing Economic Value Of Equity

Bank Specific Loan & Deposit Assumptions **COVID** Era

COVID-19 2020 - 2022

GAP Analysis Dropped

Earning At Risk

Interest Income Stress Testing Economic Value Of Equity

> Bank Specific Loan & Deposit Assumptions

> Bank Specific Loan & Deposit Assumptions

Asset Sensitive Industry

Current & Future

POST COVID-19 2022 - Present

GAP Analysis Dropped

Earning At Risk

Interest Income Stress Testing Economic Value Of Equity

Bank Specific Loan & **Deposit Assumptions**

Bank Specific Loan & **Deposit Assumptions**

Stressed ALM Assumptions

Investments

Investments

Investments

Market Value Shocks

Liquidity Assessment

Investments

Market Value Shocks

Cash Flow Shocks

Liquidity Assessment

Liquidity Stress Testing

Capital Adequacy Assessment

Capital

Investments

Market Value Shocks

Cash Flow Shocks

Ind. Muni. Credit Analysis

Liquidity Assessment **Liquidity Stress Testing**

Contingency Funding Plans

Capital Adequacy Assessment

Asset Quality Trends Capital Plan

Investments Market Value Shocks

Cash Flow Shocks

Ind. Muni Credit Analysis

Investment Strategies

Liquidity Assessment Liquidity Stress Testing Contingency Funding Plans

Capital Adequacy Assessment **Asset Quality Trends** Capital Plan

Capital Stress Testing

Investments Market Value Shocks

Cash Flow Shocks

Ind. Muni Credit Analysis

HTM/AFS Discussion

Liquidity Assessment

Liquidity Stress Testing Pt. 2

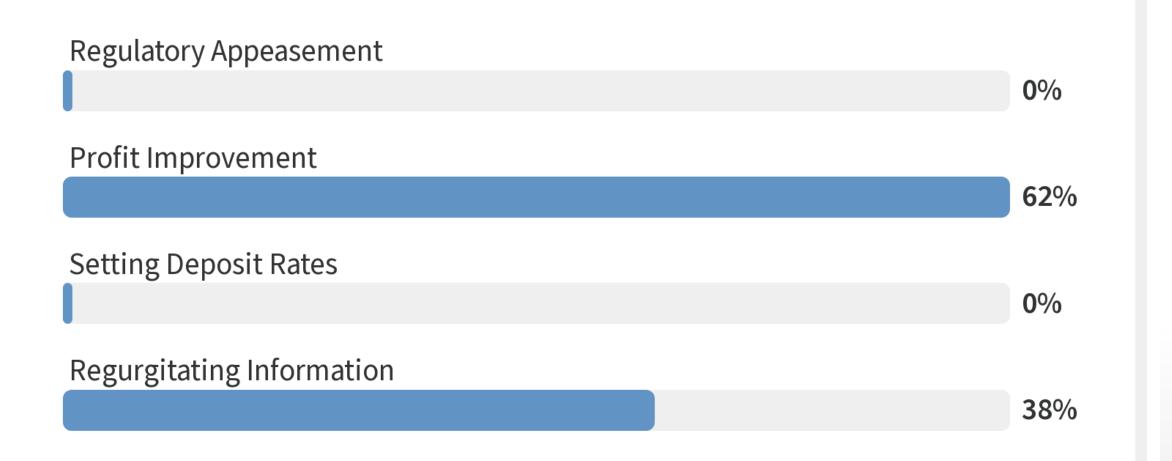
Contingency Funding Plans

Capital Adequacy Assessment Asset Quality Trends Capital Plan

Capital Stress Testing Pt. 2



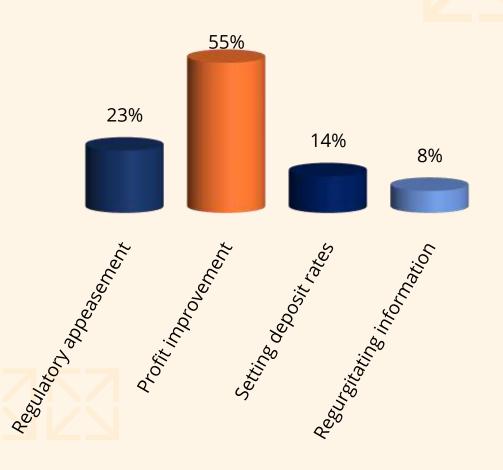
What is the primary objective of your ALCO meeting?





SHESHUNOFF CEO PRE-MEETING SURVEY 4/4/23: 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



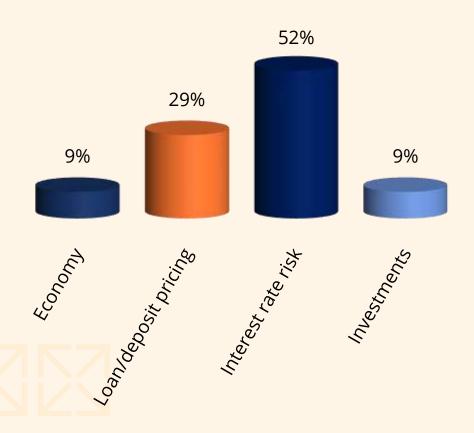
Which area in your ALCO meetings do you overweight?





SHESHUNOFF CEO PRE-MEETING SURVEY 4/4/23: WHICH AREA IN YOUR ALCO MEETINGS DO YOU OVERWEIGHT?

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



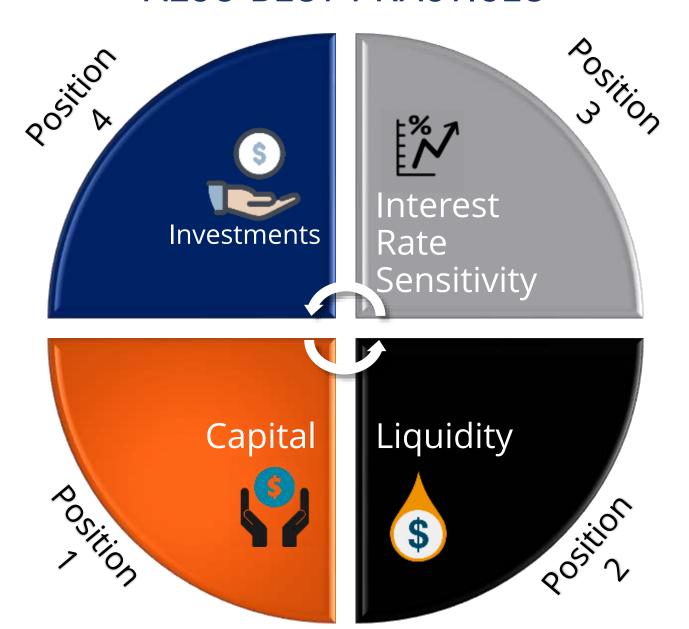
WHAT SHOULD AN ALCO PROCESS AND PACKET LOOK LIKE?



Position Assessment



ALCO BEST PRACTICES



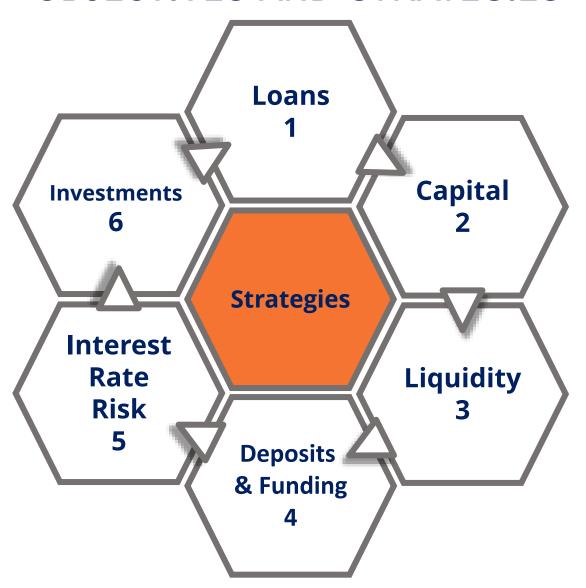


HOW ARE FINANCIAL INSTITUTIONS DIFFERENT?

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

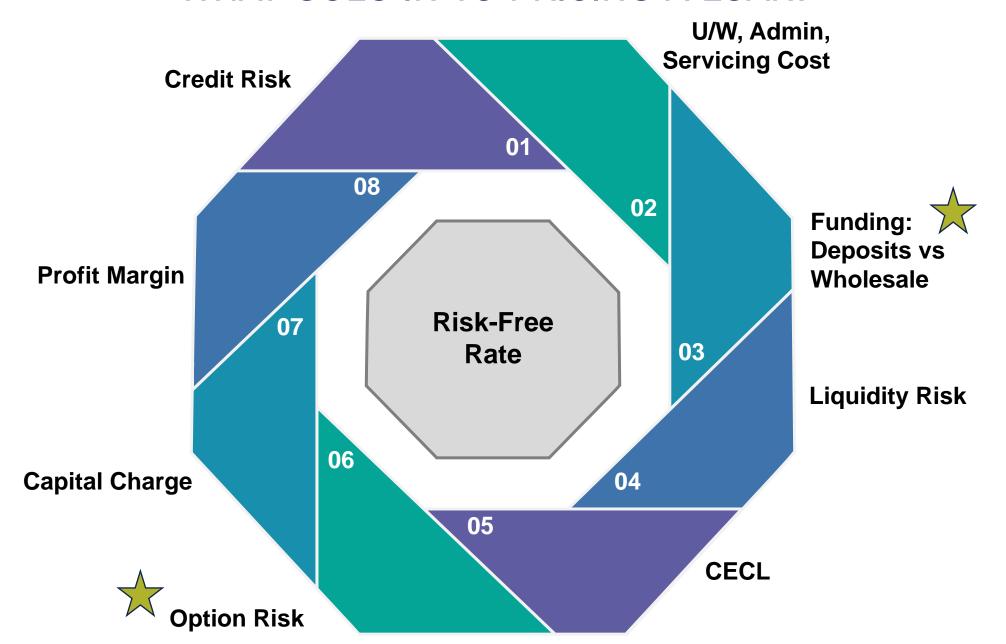


OBJECTIVES AND STRATEGIES





WHAT GOES IN TO PRICING A LOAN!





IMPORTANT LOAN PRICING CONSIDERATIONS

<u>Prepayment Penalties:</u> Value Of Call Protection in Non-Consumer Loans, a

Call Option @ Year 1

Quantification in the Bond Market

95) Actions • 96) Alerts • 97) Summary 98) Set Homepage 99) Export •

95)	Actions	5 ▼ 96) Alerts ▼ 93	7) Su <mark>mmar</mark> y	/ 98) Set Ho	omepage	99) Export	Ψ.		New Issue Monitor
Sel	lection	*U.S. Agencies	(NI 12)	▼.	1) Sho	w Filters	2	Clear Filters	Issues & News ▼
0	Real Ti	me 🌑 Issue Hist	ory Date	Range 0	8/08/23	8 🗀 − 09	/08/2	<u>3</u> □ 6) Pr	elim Issues PREL
	Date ↓	Issuer/Headline	Coupo	n Mat	urity Sp	read Curr	Outst	Book Mgr	Note
			All	•	All 🔻	All 🔻 All 🔻	All		5
114)	9/6	FED HOME LN BA	NK 6.00	09/2	8/28	USD	15	JOINT LEADS	5-NC6MO BERM
115)	9/6	FED HOME LN BA	NK 5.70	09/1	.8/28	USD	15	DW,UMB	5-NC1 BERM
116	9/6	FED HOME LN BA	NK 5.80	09/1	8/28	USD	100	NOM-sole	5-NC1 BERM
117)	9/6	FARMER MAC	4.52	20 09/1	1/28	USD	35	STFL-sole	5-NC
118)	9/6	FED HOME LN BA	NK 4 5.75	09/1	.2/28	USD	25	JOINT LEADS	5-NC1 BERM
119)	9/6	FREDDIE MAC	6.12	25 09/2	8/28	USD	30	FHN,MS	5-NC3MO BERM

Non-Call Bullet Structure

~100bp Yield Differential for Bullet vs. Callable, both 5 Year Maturities

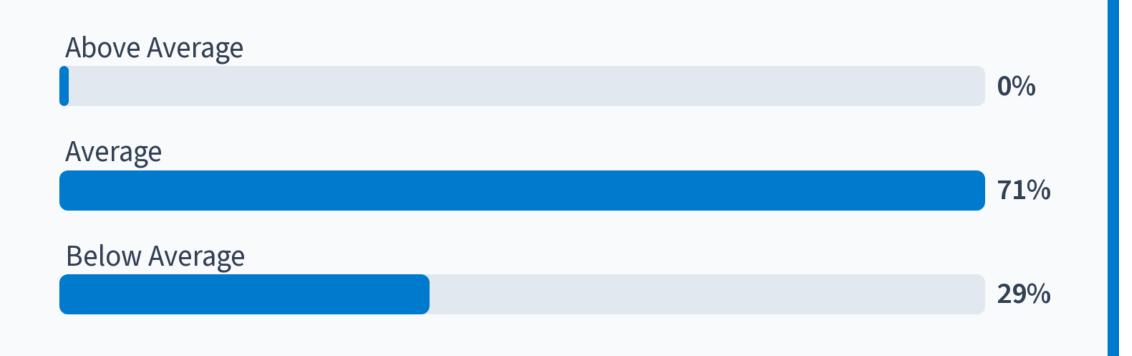


DEPOSIT VALUE QUANTIFICATION... A SIMPLISTIC EXERCISE

Annual Value of Deposit Relationship Matrix						
	% Avg Deposit Bal to Loan Size					
		5.0%	10.0%	15.0%	20.0%	
>	0.5%	0.03%	0.05%	0.08%	0.10%	
Below	1.0%	0.05%	0.10%	0.15%	0.20%	
d Sa	1.5%	0.08%	0.15%	0.23%	0.30%	
ea le	2.0%	0.10%	0.20%	0.30%	0.40%	
	2.5%	0.13%	0.25%	0.38%	0.50%	
posit (3.0%	0.15%	0.30%	0.45%	0.60%	
eposit	3.5%	0.18%	0.35%	0.53%	0.70%	
	4.0%	0.20%	0.40%	0.60%	0.80%	

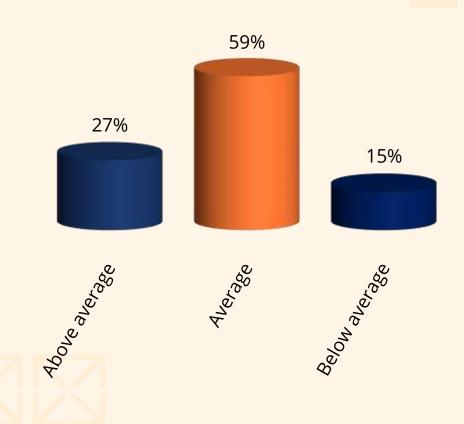


How would you rate your ALCO process when it comes to driving profitability and strategies?



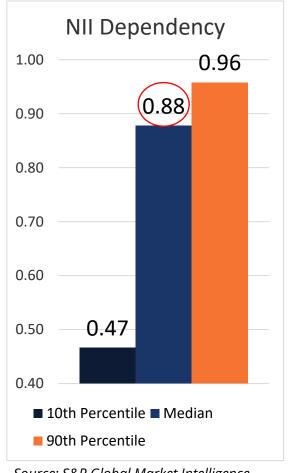
HUB SHESHUNOFF CEO PRE-MEETING SURVEY 4/4/23: HOW WOULD YOU RATE YOUR ALCO PROCESS WHEN IT COMES TO DRIVING PROFITABILITY AND STRATEGIES?

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

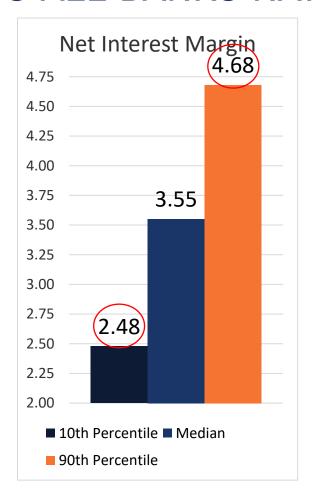




NII DEPENDENCY AND NIM AMONG ALL BANKS NATIONALLY









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 <u>Present</u>
- 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



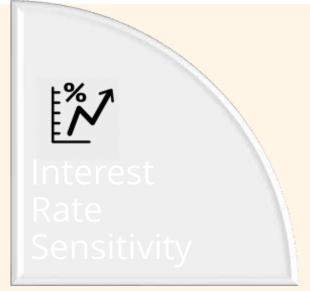
Where <u>could we go</u>?

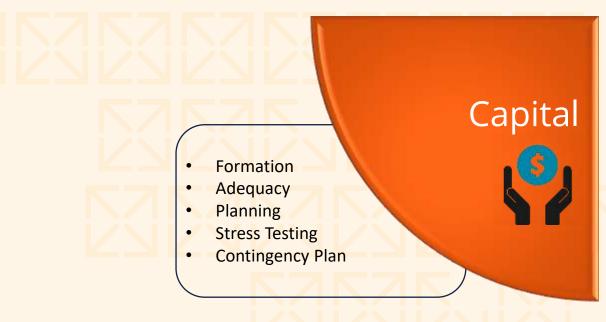
- Accountability
 - Review Minutes: Action Items, Strategies
- Tactical Forecasting
 - Loans vs. Deposit Projection
 - Liquidity Flows
- Stress Testing
 - Capital: Credit Deterioration
 - Interest Rate Risk: Higher/Different Betas
 - Liquidity: Reduced Access to Funding
 - Securities: Cash Flow Volatility,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



BALANCE SHEET MANAGEMENT - CAPITAL







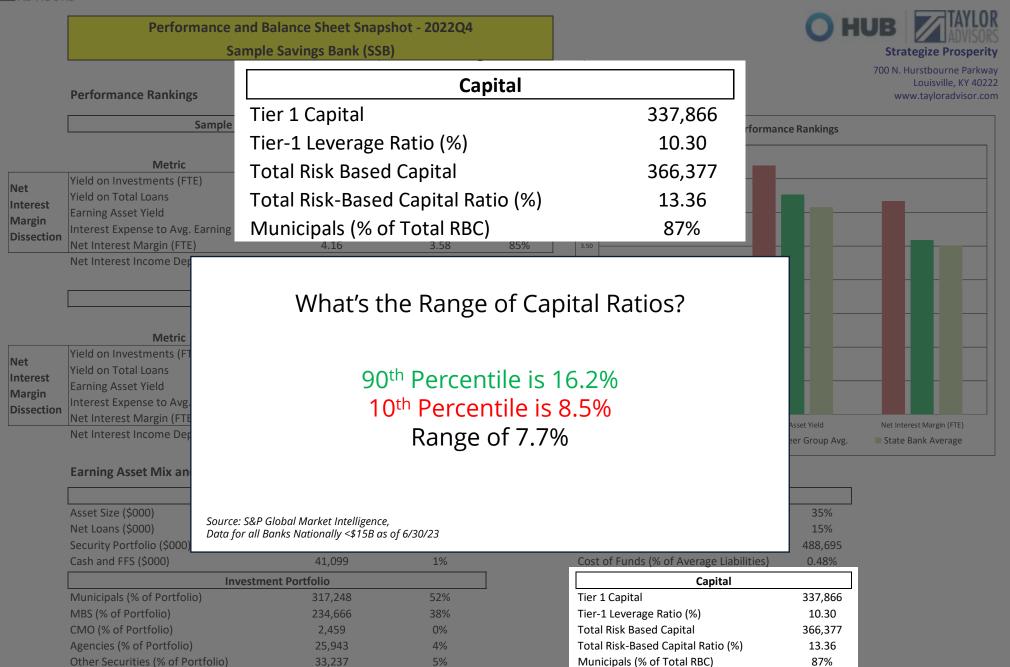




STUDY THE PAST

		Loans Concentration Expressed as a % of 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%
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%
													•		
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%







PREPARE FOR THE FUTURE CAPITAL STRESS TEST

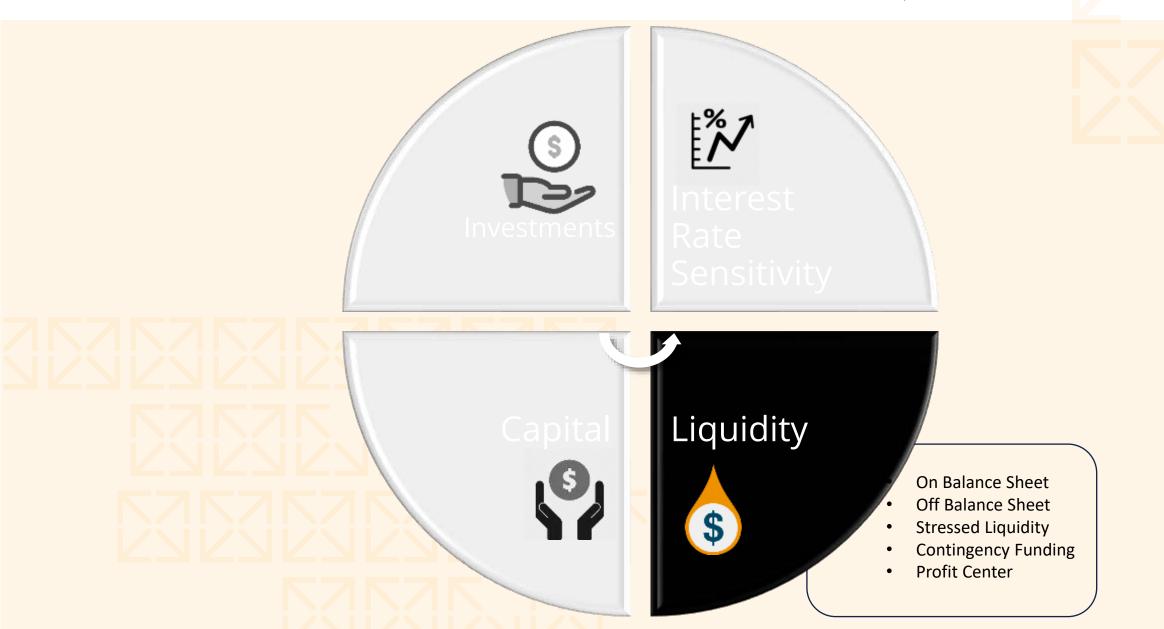
- How would your institution react if...
 - Loan concentrations in high risk sectors exceed guidelines
 - Asset quality deteriorates to historically stressful levels
 - Charge-offs increase
 - Dividends become restricted
 - Retained earnings fall (or become negative!)
 - Capital levels decline, leading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

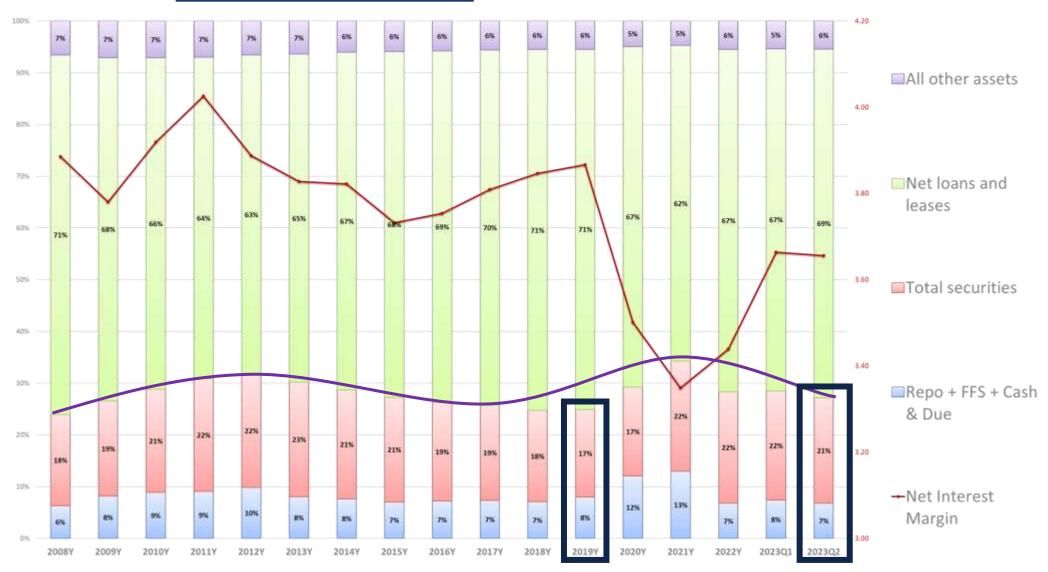


BALANCE SHEET MANAGEMENT - LIQUIDITY





STUDY THE PAST ASSET MIX TREND



Source: S&P Global Market Intelligence,

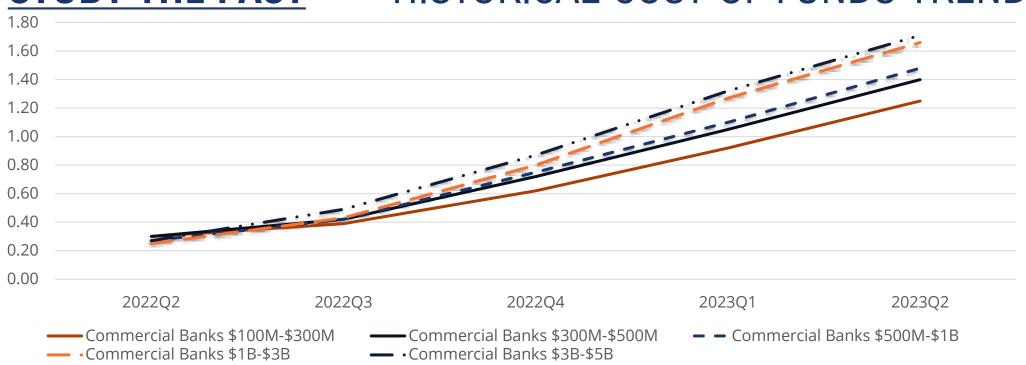
Data for all banks Nationally <\$10B as of 6/30/2023





STUDY THE PAST

HISTORICAL COST OF FUNDS TREND





How much do you anticipate overall funding costs at your bank increasing in the next 12 months?



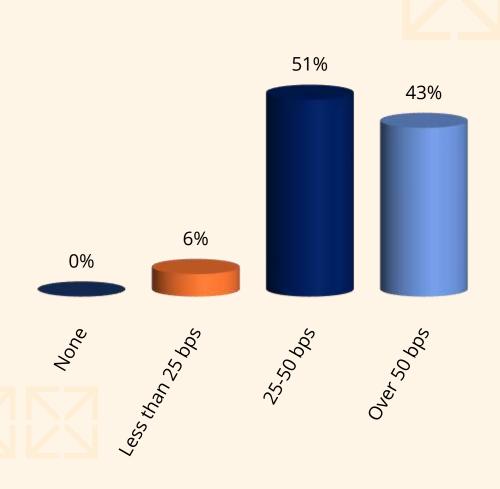
O HUB TAYLOR SHESHUNOFF CEO PRE-MEETING SURVEY 4/4/23: HOW MUCH DO YOU ANTICIPATE OVERALL DEPOSIT RATES AT YOUR BANK INCREASING IN THE NEXT 12 MONTHS?

A. None

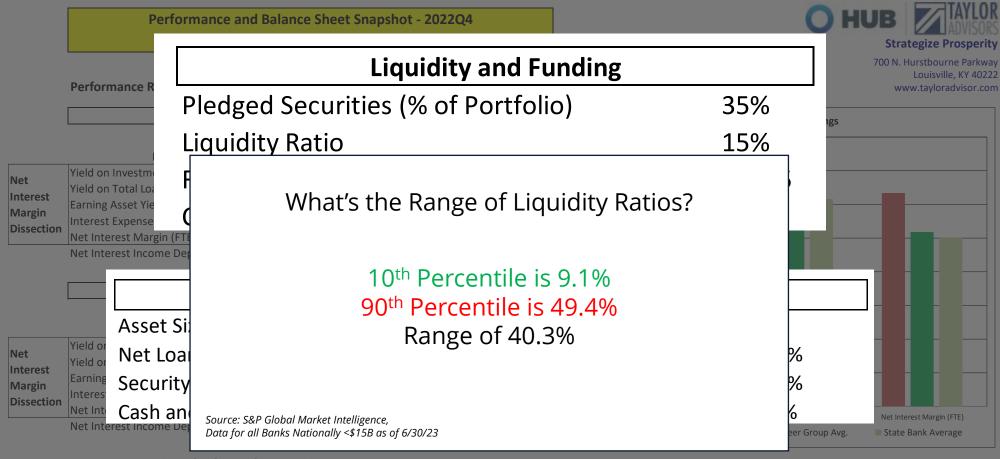
B. Less than 25 bps

C. 25-50 bps

D. Over 50 bps







Earning Asset Mix and Balance Sheet Positions

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%							
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							
	337,866 10.30							
Tier 1 Capital	· · · · · · · · · · · · · · · · · · ·							
Tier 1 Capital Tier-1 Leverage Ratio (%)	10.30							



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





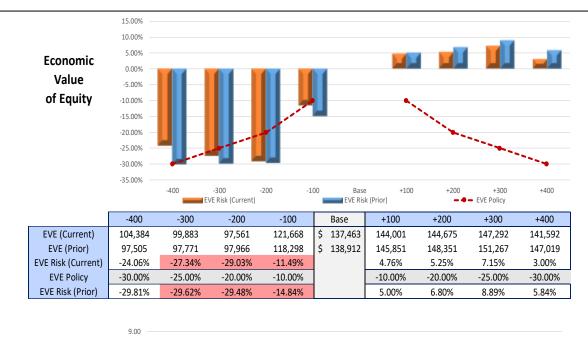
STUDY THE PAST

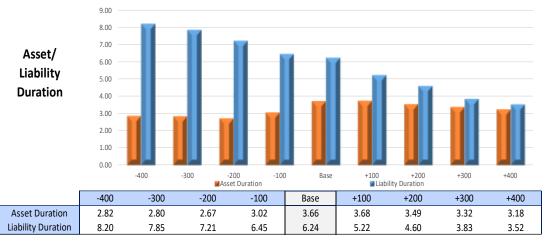
Risk Scorecard								
12/31/2021								
	Policy Guideline	Dec-21	W/in Guideline (Y/N)	Oct-21	Jul-21	May-21	Feb-21	Nov-20
Interest Rate Risk						_		
Net Interest Income at Risk (1 Yr):	NII Max. Change							
Shocked up 400 bpts	-16%	14.32%	Yes	15.99%	14.11%	18.46%	22.31%	22.45%
Shocked up 300 bpts	-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%		-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%
150% Prepay	-28.0%	-28.0%	-15.2%	-4.5%	0.0%	-0.4%	-1.7%	-3.1%	-4.2%
8x Deposit Beta	-22.8%	-22.9%	-10.7%	-2.8%	0.0%	-1.3%	-3.1%	-4.7%	-6.1%
1.2x Deposit Beta	-22.8%	-22.8%	-10.6%	-2.4%	0.0%	-1.8%	-4.0%	-6.1%	-7.8%
25% Decay Term	-7.9%	-7.9%	-3.3%	0.9%	0.0%	-4.0%	-8.2%	-12.0%	-15.2%

-15%

-25%

-30%

-35%

-15%

Source: Stifel Analytics Interest Rate Risk Model

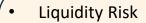
-35%

-30%

-25%

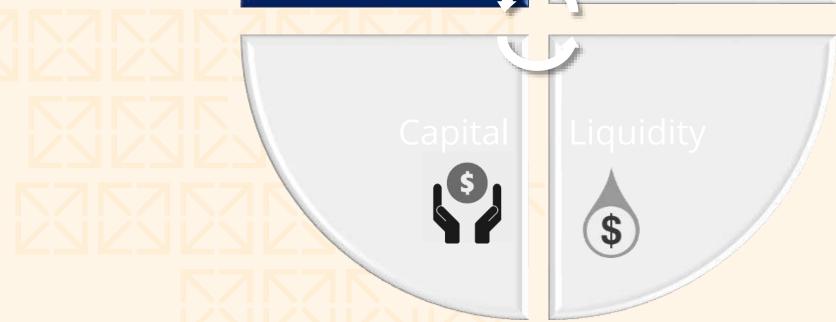
ALCO Policy

O HUB TAYLOR BALANCE SHEET MANAGEMENT – INVESTMENTS



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

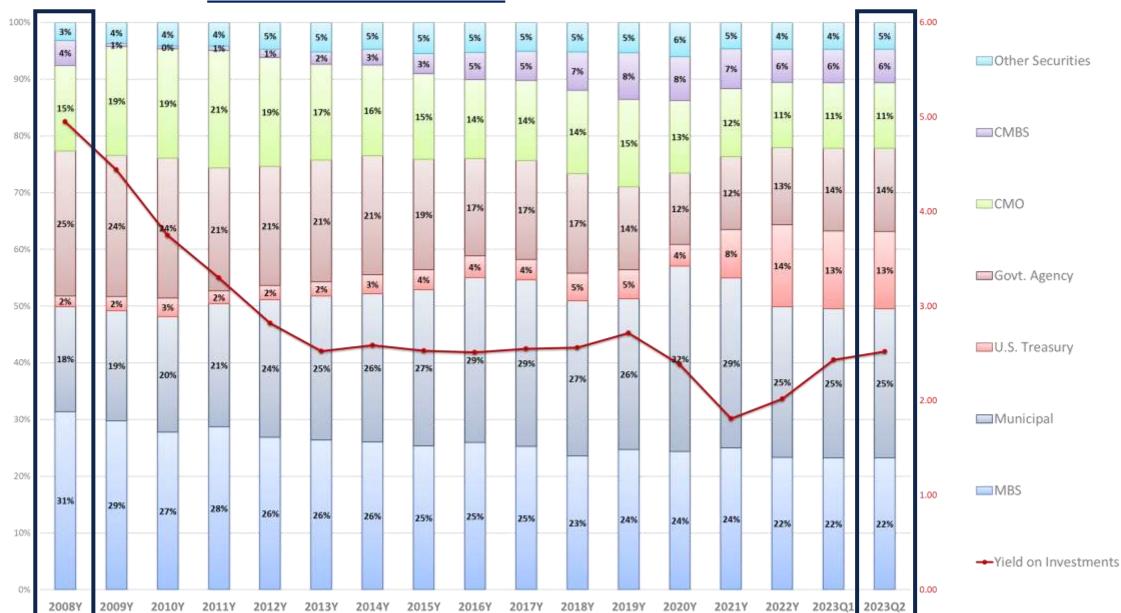






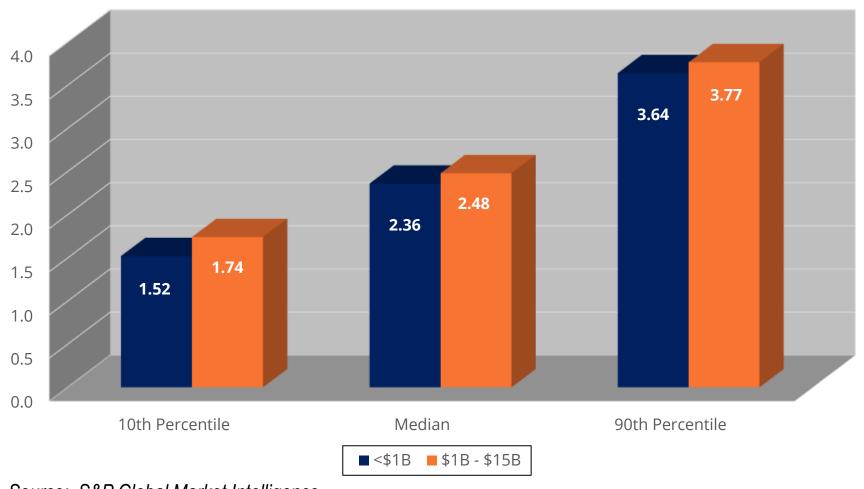
STUDY THE PAST

SECURITY MIX TREND





MONITOR THE PRESENT INVESTMENT YIELD STATISTICS



Source: S&P Global Market Intelligence,

Data for all Banks Nationally <\$15B as of 6/30/23



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.

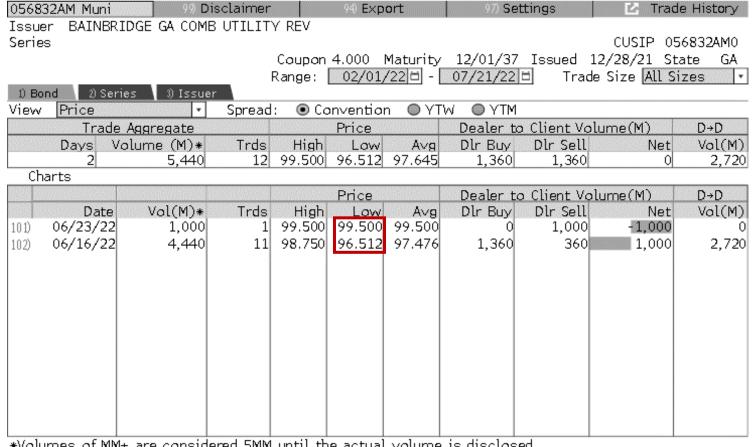
Read Full Article

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



Bank Purchase (BQ)

Trade Date 4/27/2022 Union Schools, IN YTW = 2.85%

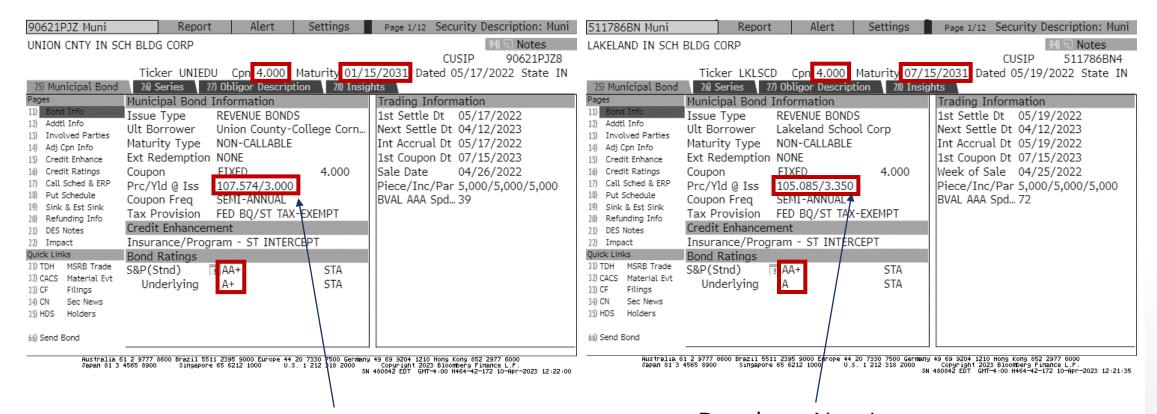
TEY = 4.05% I

Taylor Advisors Purchase (BQ)

Trade Date 4/27/2022 Lakeland Schools, IN

YTW = 3.35%

TEY = 4.76%



Difference

YTW = 50 bps

TEY = 71 bps

Bought at New Issue

WHAT IS YOUR INSTITUTION'S PORTFOLIO YIELD?

INVESTMENT MIX?



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



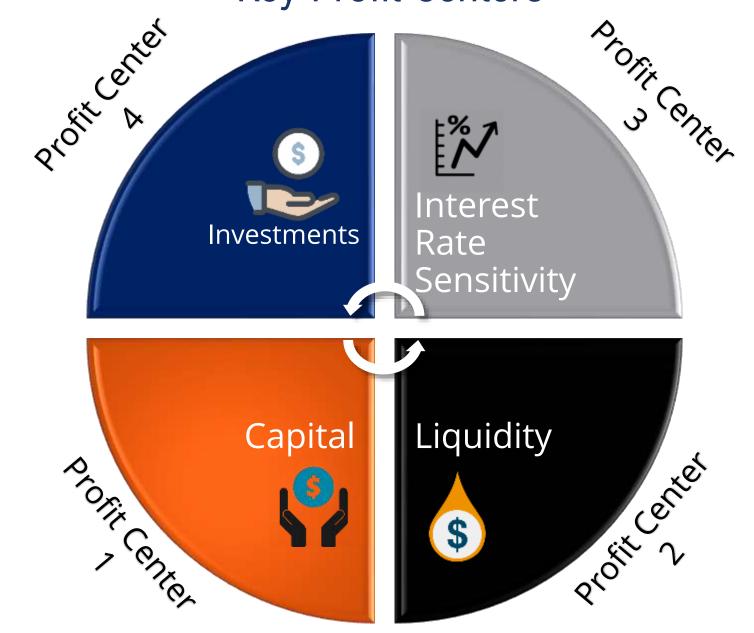
00 N. Hurstbourne Parkway Louisville, KY 40222 www.tayloradvisor.com

	Performance I		Sample Savings Bank versus UBPR Peer Group							
			Metric	Sample Savings Bank	UBPR Peer Group Average	Percentile Rank				
Net	Yield on Investm	Not	Yield on Investments (FTE)	3.81	1.78	98%				
	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	Net Interest Ma	Discostion	Interest Expense to Avg. Earning Assets	0.40	0.22	89%				
	Net Interest Ma Net Interest Inco	Dissection	Net Interest Margin (FTE)	3.82	3.26	84%				
			Net Interest Income Dependency Ratio	0.46	0.81	2%				

Yield on Investm	ents (FTE)	3.81	2.03	97%			
Yield on Total Earning Asset \ Interest Expen	Earning	Asset Mix and Bal	lance She	et Posit	ions		
Net Interest M Net Interest In			Earnir	ng Asset N	⁄lix		
	Asset Size	e (\$000)			1,758,936		
Earning Asset	Net Loans	s (\$000)			1,303,874	74%	,
Asset Size (\$00	Security F	Portfolio (\$000)			220,927	13%	ı
		FFS (\$000)		36,991	2%		
Cash and FFS (\$0	000)	36,991	2%				

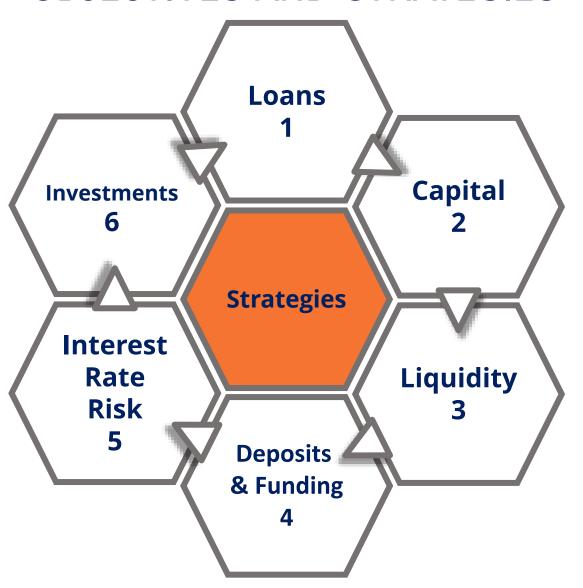


Key Profit Centers





OBJECTIVES AND STRATEGIES





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?

I'm happy with the way things are.

0%

There are some good takeaways.

0%

We need to make some changes.

100%





Thank You!

Use your Phone to Scan our QR Code

- Presentation with Polling Responses
- ▼ Reserve 3Q2023 Performance Snapshot
- Articles mentioned in the presentation



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