

FINANCIAL LITERACY TRAINING

NACUC.ORG



NATIONAL ASSOCIATION OF CREDIT UNION CHAIRS

CONNECTING CREDIT UNION BOARD LEADERS

Financial Literacy Training - 2025

Tim Harrington, CPA ret





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Presented by Timothy Harrington, CPA



Tim Harrington is a Certified Public Accountant who has consulted with financial institutions since 1992. Since 1996, Tim has been President of TEAM Resources, a firm that provides consulting, strategic planning and training to financial institutions from coast-to-coast. He is the author of the popular the books:

- Eisenhower on Enlightened Leadership
- · Living a Life that Matters: Into the Light
- Credit Union Guide to Strategic Governance

Tim is a faculty member of 3 national credit union schools on governance, finance and management, and has spoken to hundreds of thousands of directors, executive management and staff throughout the Northern Hemisphere.

CAMELS

Just Good Ole' Financial Ratios

Capital Adequacy

Asset Quality

Management (includes volunteers)

Earnings

Liquidity – Cash Flow and Sources

Sensitivity – Interest Rate Risk

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CAMELS

Measured on a Scale of 1 to 5

- 1 Indicates strong performance
- **2** Indicates satisfactory performance
- **3** Performance is of supervisory concern
- 4 Performance serious supervisory concern
- **5** Performance is critically deficient

Basic Financial Statements

Balance Sheet or

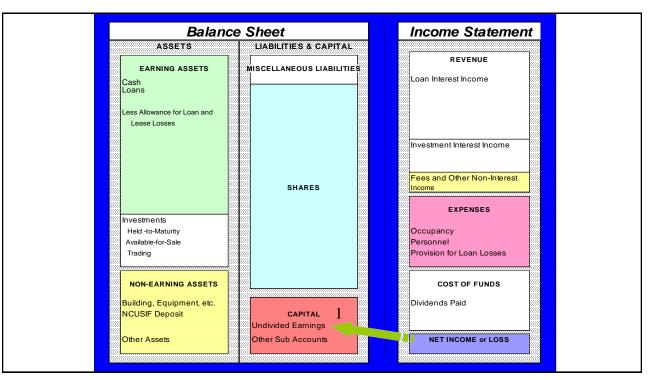
- Statement of Financial Condition OR
- Statement of Condition
- Statement of Position
- Statement of Financial Position

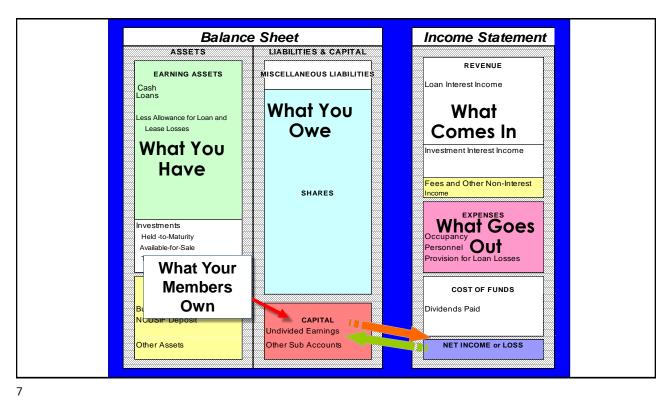
Income Statement

- Profit and Loss
- Revenues over Expenses
- Statement of Cash Flows
- Statement of Changes in Equity

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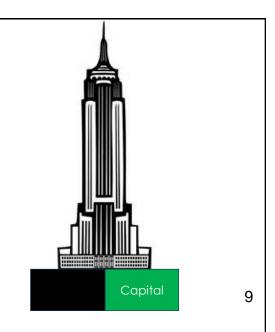
Key Ratios to Know and Understand

- Capital to Assets Ratio
- Delinquency Ratio/Charge-off Ratio
- Net Interest Margin (Spread)
 - Yield on Assets (interest income ratio)
 - Cost of Funds (interest expense ratio)
 - Net Interest Margin
 - Operating expense ratio
 - Provision for Loan Loss ratio
 - Non-Interest Income ratio
 - Return on Assets (profit ratio)
- · Loan to Share Ratio

Capital to Assets

Capital is your 'Stability' account

- Grows with profit.
- Shrinks with losses.
- Cushion for the unknowns
- Percentage of Asset Size

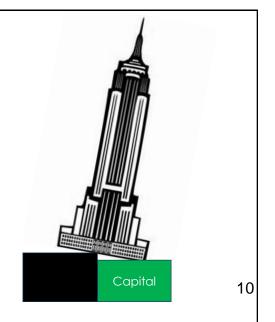


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Capital to Assets

HOWEVER...

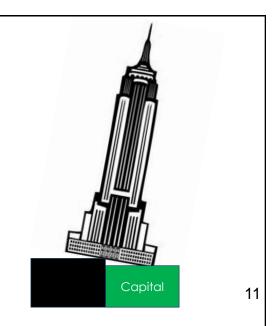
If Asset size grows, and Capital size doesn't keep up, your structure becomes unstable.



Capital to Assets

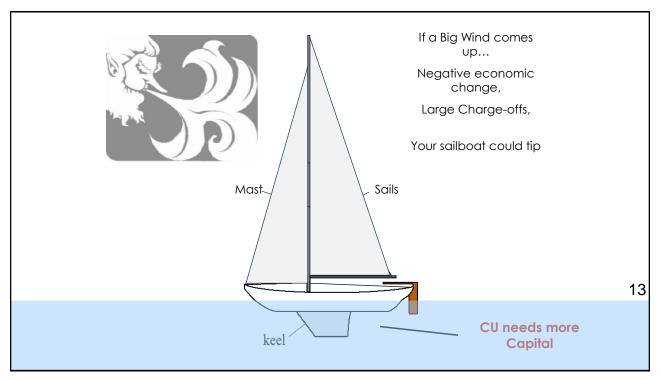
HOWEVER...

If Asset size grows, and Capital size doesn't keep up, your structure becomes unstable.



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If Assets grow and Capital doesn't keep up, the credit union becomes unstable





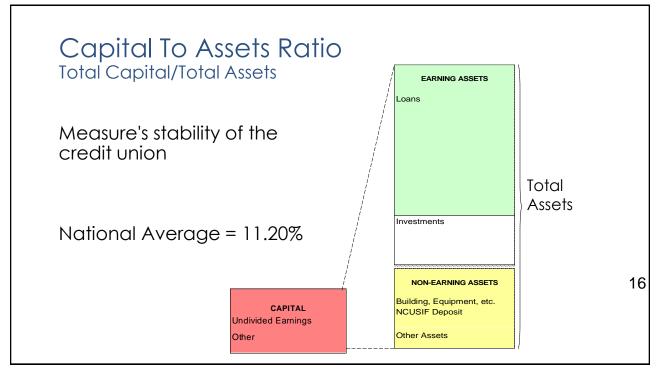
What is Capital?

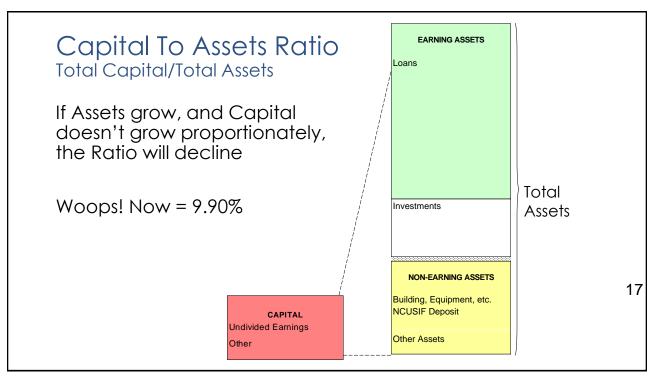
Capital is not cash

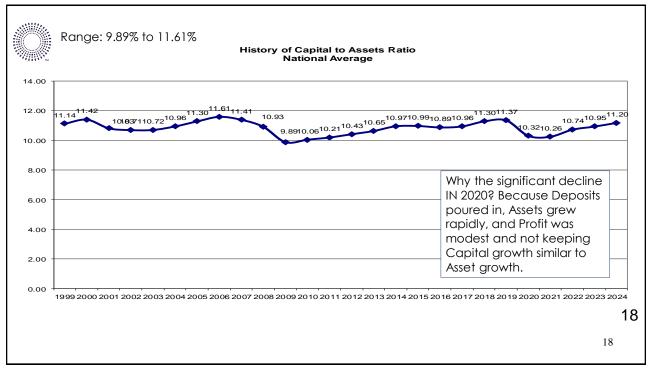
- It is the accumulated earnings and losses since you started the credit union.
- Tells you what portion of your assets belong to the member owners and what part is owed to creditors
- · Your 'rainy day' fund
- · Your 'hibernation' fat

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NCUA Calculation a bit different

NET WORTH / TOTAL ASSETS

Depends on future plans

(Regular Reserve + Appropriation for Non-Conforming Investments [SCU Only] +Other Reserves + Undivided Earnings + Uninsured Secondary Capital [Low-Income Designated CU Only] + Net Income or (Loss)) / Total Assets

*Total assets means a credit union's total assets as measured by either the

- (i) average quarterly balance of the four most recent calendar quarters; or
- (ii) average monthly balance over the three calendar months of the calendar quarter; or
- (iii) average daily balance over the calendar quarter; or (iv) quarter-end call report balance for the calendar quarter.

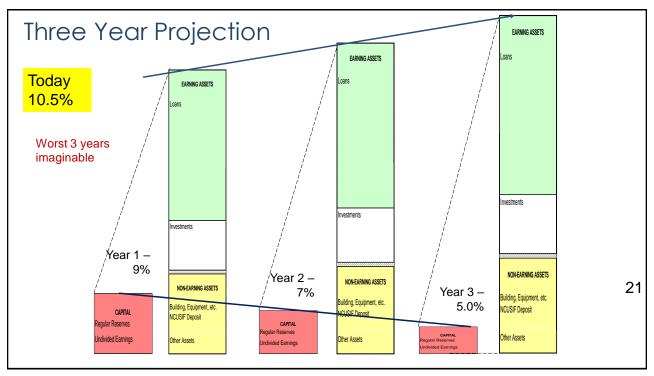
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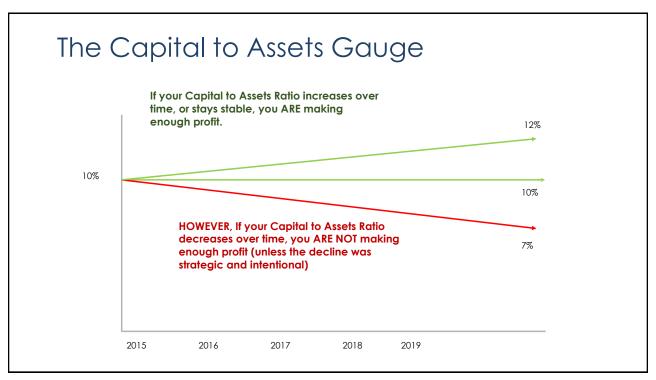
How much Capital is enough?

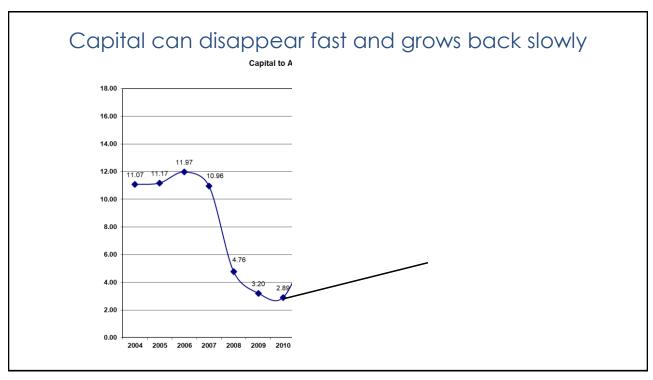
Suggestion: Project worst 3 years possible (combination of Asset Growth and Net Losses)

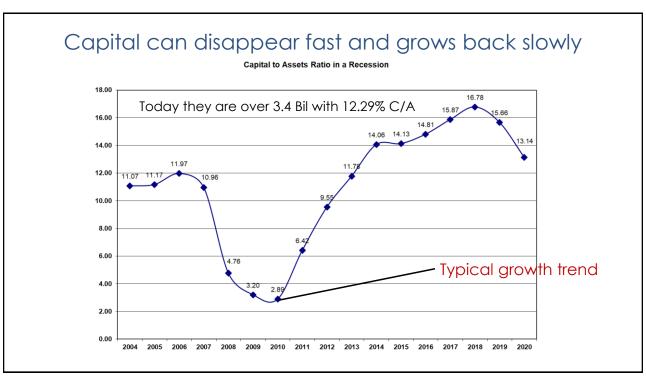
If at end, the ratio is greater than 4%, you may have enough

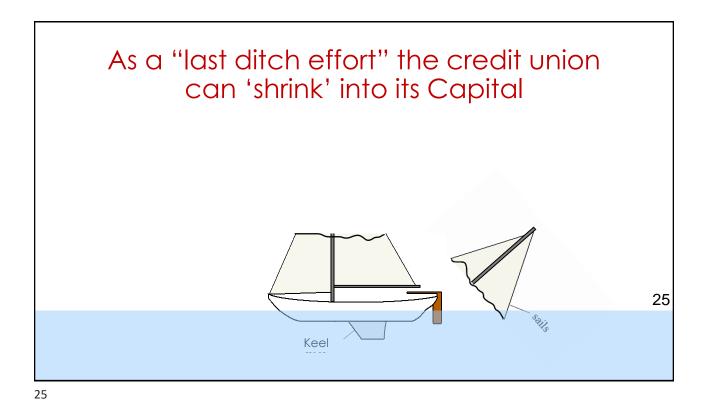
Prompt Corrective Action Rules Depends on how much risk your assets and liabilities represent Depends on level of growth Depends on profitability of CU











Capital to Assets (Net Worth) Ratio Region 2 Peer Average: 11.09% 16.00% 14.49% 14.00% NCUA 13.50% 12.78% 12.33% 12.86% 12.00% 10.86% 10.00% **GAAP Capital** versus **NCUA Capital**: 8.00% If your GAAP Capital is different from your NCUA Capital, it is generally because? 6.00% 1. You have an Unrealized Gain on AFS Securities (GAAP but not NCUA) 2. Unfunded Liability for a Defined Benefit program (GAAP but not NCUA) 4.00% 26 2.00% 0.00% 2019 2021 2022 6/30/23 4 Capital to Assets Ratio NCU A Net Worth

How much Profit do we need?

Capital Growth Calcu		Fill in white co	ells, do not chai	nge gray cells		
Calculate ROA Needs Five Year Projection	ea					
	12/31/2024	12/31/2025	12/31/2026	1/1/2028	12/31/2028	12/31/2029
ANTICIPATED ASSET GRO	HTWO	10.00%	7.00%	-5.00%	6.00%	6.00%
TOTAL ASSETS	\$ 351,201,000	\$ 386,321,100	\$ 413,363,577	\$ 392,695,398	\$ 416,257,122	\$ 441,232,549
TOTAL CAPITAL	\$ 34,589,000	\$ 38,632,110	\$ 42,369,767	\$ 41,233,017	\$ 44,747,641	\$ 48,535,580
\$ INCREASE IN CAPITAL (SAME AS NET PROFIT	NEEDED)	\$ 4,043,110	\$ 3,737,657	\$ (1,136,750)	\$ 3,514,624	\$ 3,787,940
% INCREASe IN CAPITAL		11.69%	9.67%	-2.68%	8.52%	10.00%
ACTUAL CAP/ASSETS %	9.85%					
DESIRED CAP/ASSETS %		10.00%	10.25%	10.50%	10.75%	11.00%
ROA NEEDED		1.10%	0.93%	-0.28%	0.87%	0.88%

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Prompt Corrective Action Rules

7% or higher Well capitalized6%-6.99% Adequately capitalized

4%-5.99% Undercapitalized

2%-3.99% Significantly undercapitalized

Less than 2% Critically undercapitalized

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Prompt Corrective Action Rules

- Mandatory Supervisory Actions
 - Below 7% transfer 0.1% of Total Assets to Regular Reserve each month
 - Below 6%
 - Develop a Net Worth Restoration plan
 - Limit asset growth
 - · No new member business loans
- Discretionary Supervisory Actions

The lower you go, the more authority the regulators take away from management and the board 29

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Capital for Complex CUs

Complex Credit Unions must calculate capital differently "Complex" refers to CUs >\$500 MM with complex instruments

Must calculate Capital using:

- a. the Risk Based Capital Rule, or
- b. The Complex Credit Union Leverage Ratio CCULR The CCULR is the regular NCUA Net Worth Ratio for credit unions that qualify.

Understanding the Five Puzzle Pieces of Profitability



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Which CU is Doing Better? Why we use Comparable ratios

	\$10 Bil CU	\$100 Mil CU
Interest income	\$ 496,000,000	5,630,000
Cost of funds	(175,000,000)	(1,6400,00)
Net Interest Margin	321,000,000	3,990,000
Operating costs	(329,000,000)	(3,3200,00)
Provision for loan losses	(111,000,000)	(440,000)
Net loss before other income	(120,000,000)	230,000
NII – Non-interest income (Fee income, Other)	136,000,000	780,000
Net Profit or Loss	\$ 16,000,000	1,020,000
Total Capital	\$ 500,000,000	\$10,000,000

Which CU is Doing Better? Why we use Comparable ratios

As a % of Average Assets	\$10 Bil CU	\$100 Mil CU
Yield: Interest income	4.96%	5.63%
Less: Cost of funds	(1.75%)	(1.64%)
Net Interest Margin (NIM- Spread)	3.21%	3.99%
Less: Operating costs	(3.29%)	(3.32%)
Less: Provision for loan losses	(1.11%)	(0.44%)
Net loss before other income	(1.20%)	0.23%
Plus: NII-Non-interest income (Fee income, Other)	1.36%	0.78%
Equals: Return on Assets (ROA)	0.16%	1.02%
Capital to Assets Ratio	5.00%	10.00%

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Puzzle Pieces of Profitability...

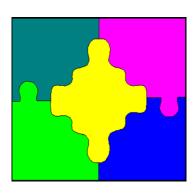
and We Need to Make a Profit

Credit unions make money 2 ways:

- Interest Income
- Non-Interest Income

Credit unions spend money 3 ways:

- Cost of Deposits (Cost of Funds)
- Operating Expenses (cost of people, buildings, and systems)
- Provision for Loan Losses (cost caused by bad loans)



Spread Analysis (ROA) National Averages

As a % of Average Assets
Yield: Interest income
Less: Cost of funds
Net Interest Margin
Less: Operating costs
Less: Provision for loan losses

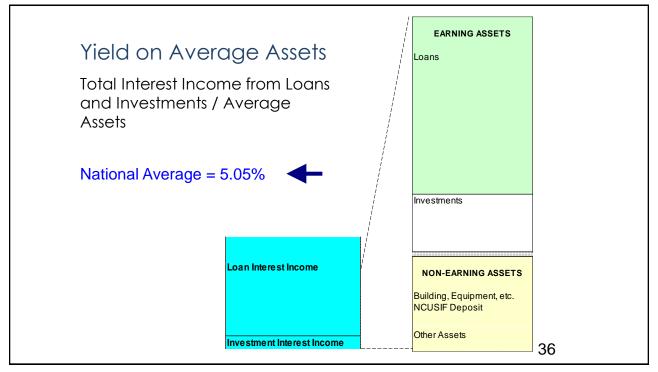
Net loss before other income
Plus: Non-interest income

Equals: Net Profit or Loss (ROA)

12/31/24	12/31/97
5.05%	7.63%
(1.93)	(3.64)
3.12	3.99
(3.03)	(3.32)
(0.62)	(0.44)
(0.53)	0.23
1.16	0.78

0.63% 1.02%

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Spread Analysis (ROA) National Averages

As a % of Average Assets
Yield: Interest income
Less: Cost of funds
Net Interest Margin
Less: Operating costs

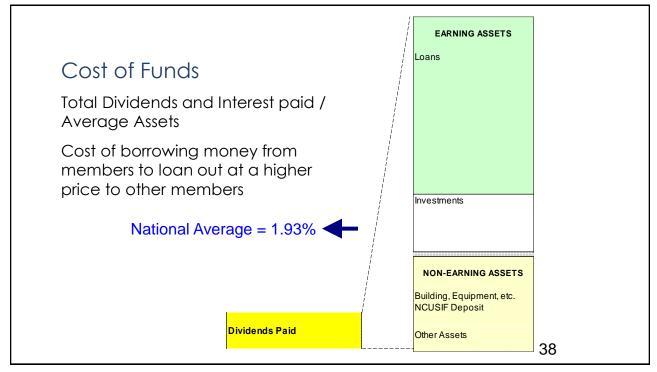
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12/31/24	12/31/9/
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0.63% 1.02%

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What is Net Interest Margin?

Net Interest Margin: the net amount between Yield on Assets and Cost of Funds

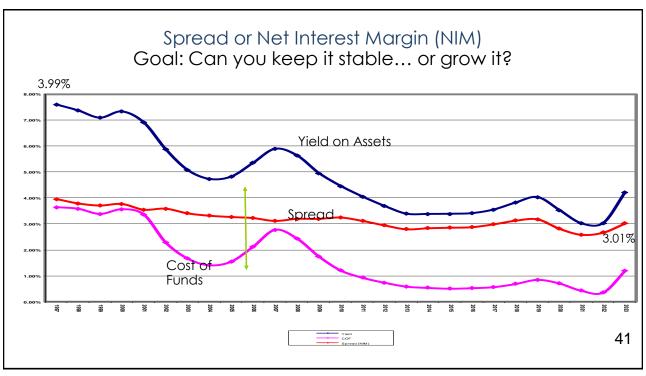
- NIM
- Spread
- You don't control your Interest Income, the Market does
- You don't control you Interest Expense, the Market does You try to control the spread between the two: **NIM or Spread**

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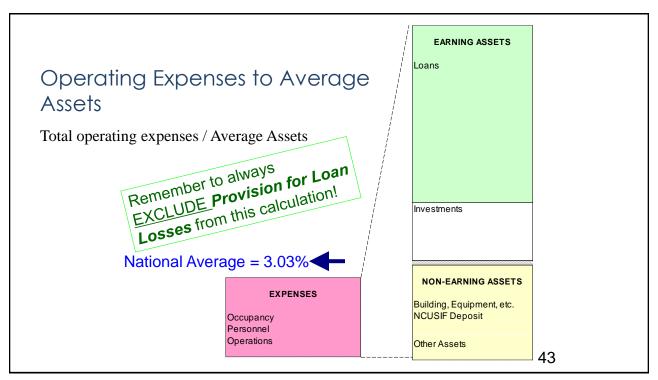
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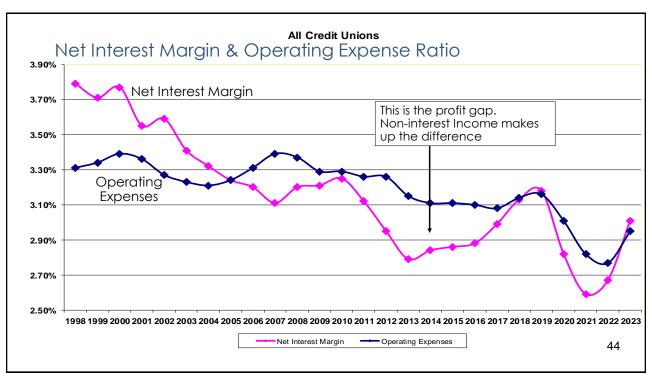
Spread Analysis (ROA) National Averages

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Spread Analysis (ROA)

National Averages

As a % of Average Assets
Yield: Interest income
Less: Cost of funds
Net Interest Margin
Less: Operating costs
Less: Provision for loan losses

Less: Provision for loan losses(0.62)(0.44)Net loss before other income(0.53)0.23Plus: Non-interest income1.160.78

12/31/24 12/31/97

7.63%

(3.64)

3.99

(3.32)

5.05%

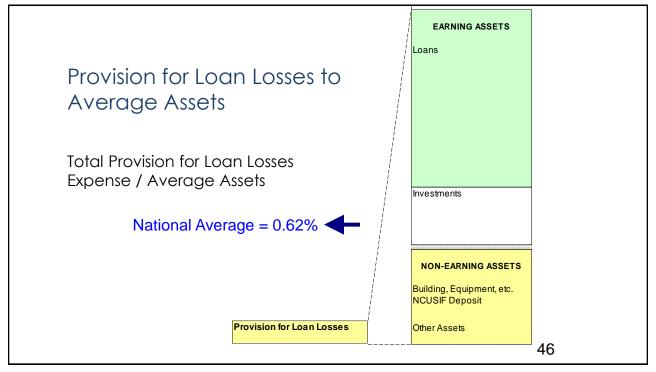
(1.93)

3.12

(3.03)

Equals: Net Profit or Loss (ROA) 0.63% 1.02%

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Not for Profit, Not for Charity, But for Service

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Sources of Non-Interest Income

- Fee Income NSF and late loan fee
- Service Revenues Courtesy Pay
- Commission Income sales of something
- Interchange Income Debit and Credit cards
- Sales of Mortgage Loans
- Other Non-Interest Sources CUSO selling some product or service

Spread Analysis (ROA) National Averages

As a % of Average Assets
Yield: Interest income
Less: Cost of funds
Net Interest Margin
Less: Operating costs
Less: Provision for loan losses

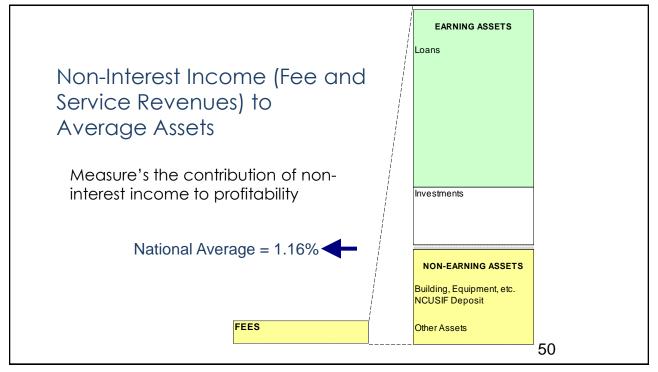
Net loss before other income
Plus: Non-interest income

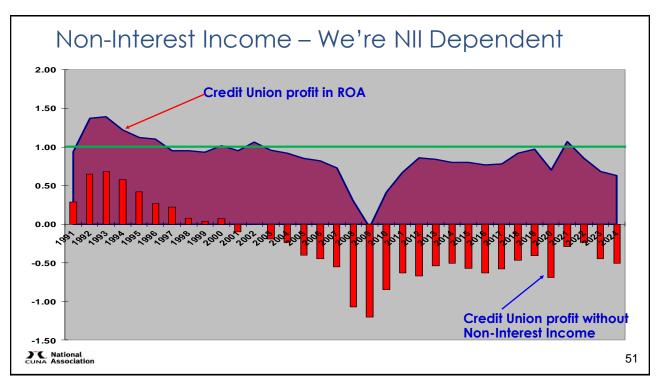
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12/31/24	12/31/9/
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(0.53)	0.23
1.16	0.78
•	

0.63% 1.02%

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Spread Analysis (ROA) National Averages		
As a % of Average Assets	12/31/24	12/31/97
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Net loss before other income	(0.53)	0.23
Plus: Non-interest income	1.16	0.78
Equals: Net Profit or Loss (ROA)	0.63%	1.02%

Return on Average Assets (ROAA or ROA)

Net income / Average assets*

*Average assets = Total assets last period + Total assets this period / 2

Measures a credit union's profitability

National Average = 0.63%

NET INCOME or LOSS

EARNING ASSETS

Loans

Investments

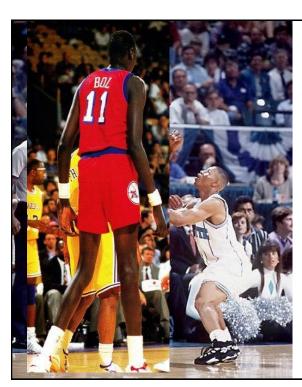
NON-EARNING ASSETS

Building, Equipment, etc. NCUSIF Deposit

Other Assets

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Why Peers don't really help

Manut Bol played at 7'7"
Muggsy Bogues played at 5'3"

On Average, they were 6'5"

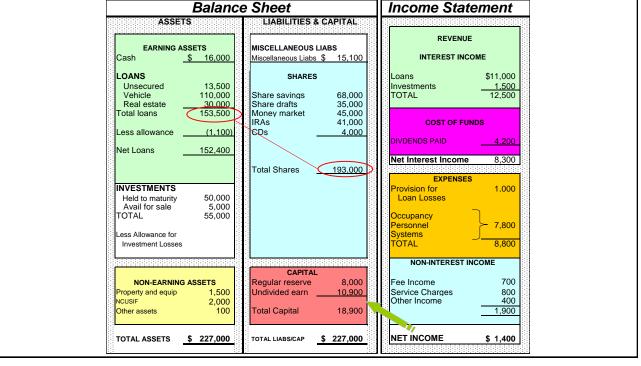
Peer info is just a conglomeration of financial data from hundreds of credit unions.

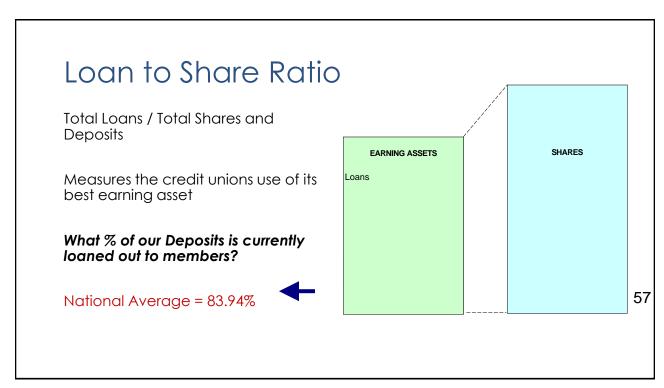
peer info does not:

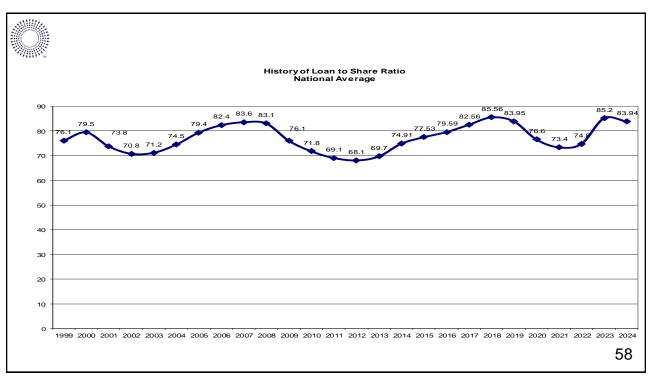
- Reflect local market difference
- Strategic choices
- Business model differences

All Peer averages can show you is how different you are than the imaginary average

Different Business Models Different Spread Results Know Your Model				
	Avg CU	MOMMs C	U Low Op CU	
Yield	5.05	7.31	3.18	
Cost of funds	(1.93)	(1.79)	(2.04)	
NIM	3.12	5.52	1.14	
Operating exp	(3.03)	(4.61)	(0.87)	
PLL	(0.62)	(1.76)	(0.01)	
Net before NII	(0.53)	(0.85)	0.26	
Non-Interest Income	1.16	1.72	0.24	
ROA	0.63	0.87	0.50	55
Capital/Assets	11.20%	14.0%	14.0%	







Which is better, low loan to share or high loan to share ratio?

It Depends

The Loan to Share Ratio tells you only how well you turn deposits into loans

If the loans are poorly underwritten, loan losses could undermine a high Loan to Share Ratio

If the loans are underpriced, the weak Yield could undermine the high Loan to Share Ratio

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Delinquency and Charge-offs

Delinquency ratio

Delinquent loans over 60 days old / Total loans

· Charge-off ratio

Charge-offs (less recoveries) / Average loans



TIM Transform Inspire Motivate

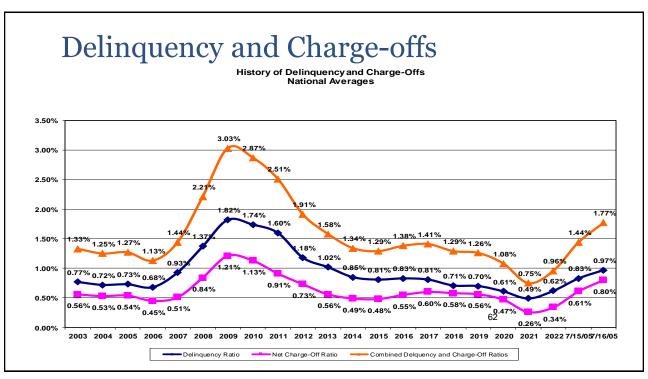


Delinquency and Charge-offs

	Normal	Average 12/34/24	Modest Means	
Delinquency	0.75%	0.97%	2.10%	
Net Charge- offs	0.50%	0.80%	1.00%	
Combined	1.25%	1.77%	3.00%	

But what is considered a healthy ratio depends on the credit union's **Business Model and Strategy**

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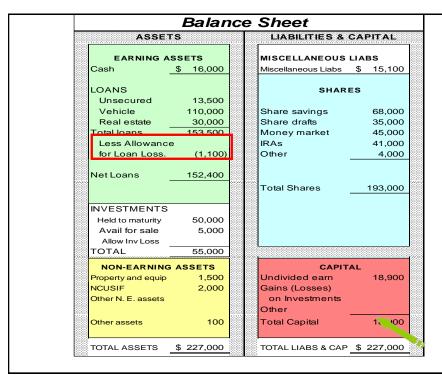
Allowance for Loan & Lease Losses ALLL or ALL or ACL

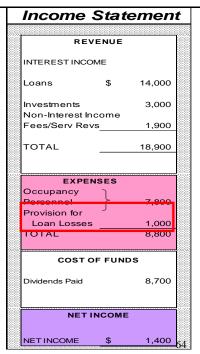
CECL - Current Estimated Credit Losses:

An amount based on management's best estimate of losses over the life of the loan (or life of the portfolio)

A.L.L.L. is a Contra-Asset, that means it takes away from the assets

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Monthly Expense Usage this month

\$0



The ALLL is like a reservoir of loan losses ready to be used. The loss has already been incurred at the time the loan became impaired. We are just waiting for the loan to finally wither and drop

2

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Monthly Expense Usage this month \$0 Charge-offs 'drain' the ALLL. These are not new losses. The losses have already been recognized. This is just when we finally remove the loan from the books.

ALLOWANCE FOR LOAN & LEASE LOSSES						
	Portfolio Balance		Allowance Req.		Allowance Req.	
LOAN TYPE	this Month		Previous Month		this Month	
Used Auto	\$	65,000,000	\$	507,000	\$	593,000
New Auto	\$	35,000,000		191000	\$	215,000
Credit Card	\$	10,000,000	\$	320,000	\$	350,000
Other Unsecured	\$	3,500,000	\$	45,000	\$	74,000
First Mortgage	\$	30,000,000	\$	23,000	\$	40,000
Home Equity Mortgage	\$	10,000,000	\$	14,000	\$	19,000
	\$	153,500,000	\$	1,100,000	∱ ^	1,291,000
Less Charge-offs at month end			\$	86,000		
Net Allowance			\$	1,014,000	\$	1,291,000

The ALLL increases to this amount

ADJUSTMENT REQUIRED

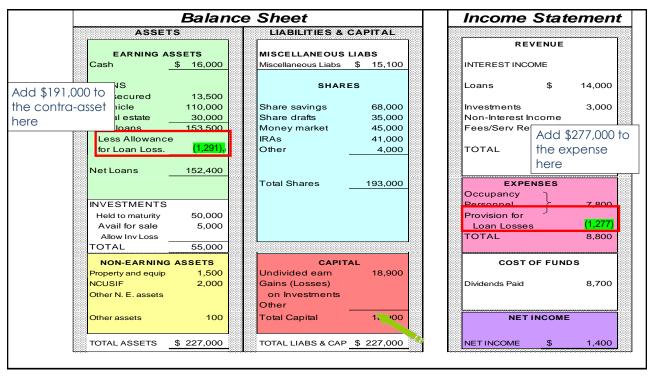
The Provision for Loan Loss Expense would be this amount for the month

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277,000

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Restoring the ALLL through the Income Statement – Provision for Loan Losses Monthly Expense Usage this month \$277 The Provision for Loan and Lease Losses is the current monthly charge-to restore the ALLL. It represents matching the expense to the period the loss actually occurred.



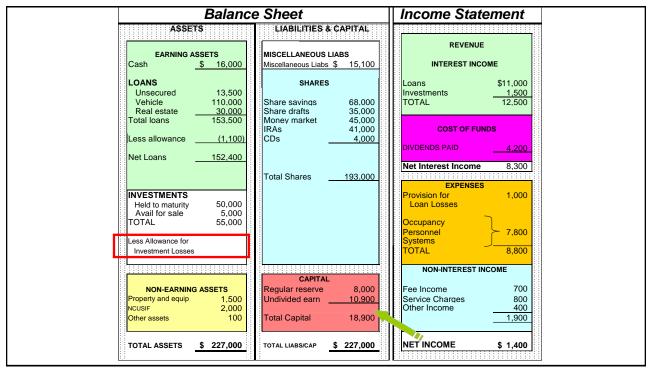
Accounting for Investments

MARK TO MARKET

Credit unions must revalue the carrying amount on their books of investments under certain circumstances

This is similar to the concept of ALLL





Accounting for Investments

Held to Maturity (HTM) - an investment that your CU has the intent and capacity to carry until the investment matures and is paid back

Carry on your books at historical (or amortized) value unless: OTTI – a decline in value that is Other than a Temporary **Impairment**



Transform Inspire Motivate

Accounting for Investments

Trading/Equity - an investment that your CU has purchased for speculative purposes. (All Equity investments must be categorized as "Trading")

Carry on your books at market value. Run the increase or decrease in market value through your income statement as an income or expense, even if you did not sell the investment.

Note: You may have Equity securities in your retirement fund portfolio that will need to follow these accounting rules



TIM Transform Inspire Motivate

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Accounting for Investments

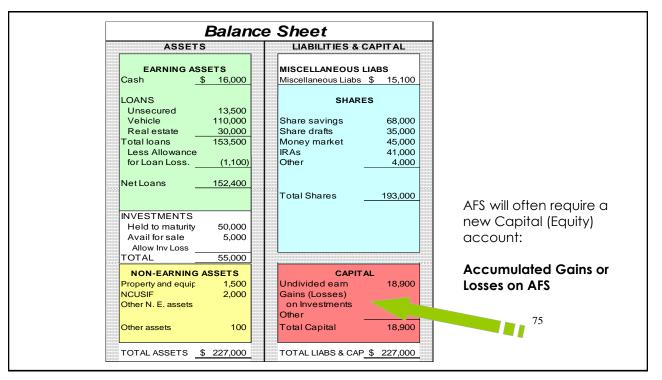
Available for Sale (AFS) – any investment that is not HTM or Trading.

Carry on your Balance Sheet at market value but run the increase or decrease in value through your Equity New Account: Unrealized Gain or Loss on AFS Securities

Most Credit Unions have most of their investments in AVS

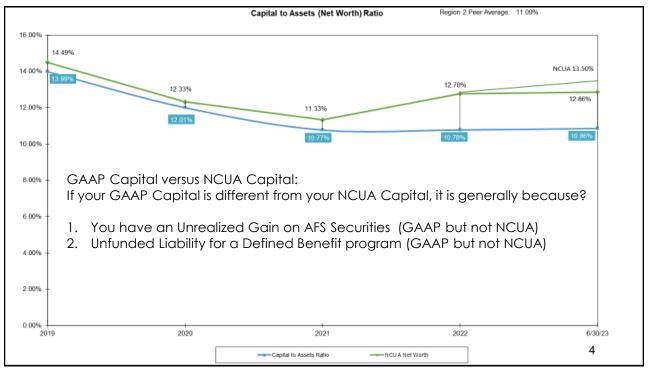


TIM Transform Inspire Motivate



Effect of Investment Market Value being less than Book Value

EQUITY:	
Undivided Earnings ³	27,007,160
Other Reserves	0
Appropriation For Non-Conforming Investments (SCU Only)	0
Equity Acquired in Merger	2,442,992
Noncontrolling Interest in Consolidated Subsidiaries	0
Accumulated Unrealized G/L on Cash Flow Hedges	0
Accumulated Unrealized G/L on AFS Securities	N/A
Accumulated Unrealized Losses for OTTI (due to other factors) on HTM Debt Securities	0
Accumulated Unrealized Gains (Losses) on Available for Sale Debt Securities ⁴	-4,598,534
Other Comprehensive Income	0
Net Income	0
	24,851,618



Risk: An ALM Primer

Tim Harrington, CPA

TIM Transform Inspire Motivate

In ALM, Keep it Simple

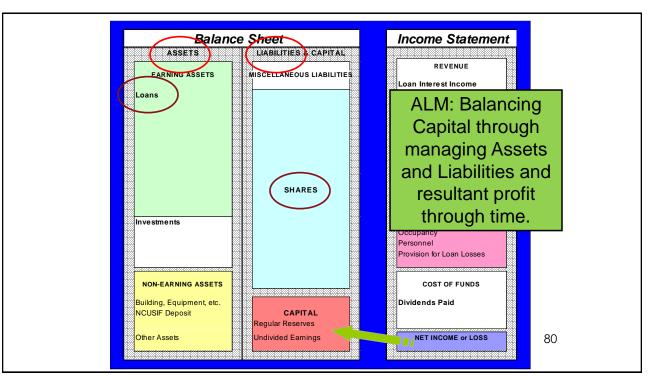
Watch "Capital at Risk" in your ALM Reports

ALM reports are not standardized. ALM providers use a variety of terms unique to them.

What I always ask them to show me is "Under this scenario, how much Capital is at risk?"

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What Risks Could We Watch?

- Credit Risk
- Interest Rate Risk
- Liquidity Risk
- Transaction Risk
- Compliance Risk
- Strategic Risk
- Concentration Risk
- Growth Rate Risk

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Credit Risk

Risk that we won't get our money back from a loan or investment

Credit Risk

Risk that the credit union:

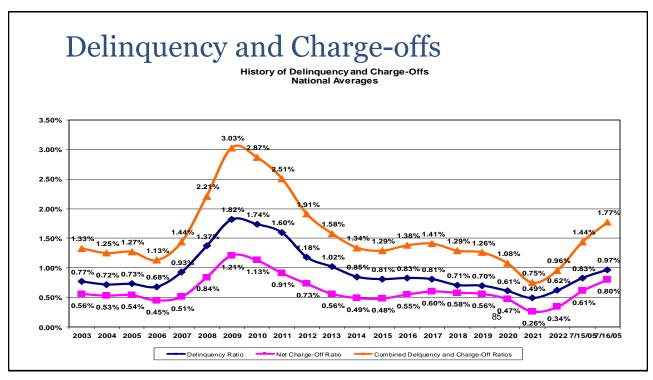
- Will make weak loans
- Will make loans to weak borrowers
- Will get involved in investments that might not pay back

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Measuring Credit Risk

- ✓ Delinquency Ratio Lagging Indicators
- ✓ Net Charge-off Ratio
- ✓ Earning assets to non-earning assets ratio
- √Trend in credit score or grade mix of your loan portfolio Predictive
- ✓ Product mix of your loan portfolio
- ✓ Mix of your investment portfolio



Credit Risk

Your Goal is NOT risk avoidance

Your Goal is RISK INTELLIGENCE

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Know Your Risk and Return in Each Credit Tier

	INDIRECT		Loan	Interest	Gross	Admin	% Net	COF	DEALER	Net
		%	Balance	Income	Yield	Costs	СО		COMM	Yield
A+ PAPER		42.7%	\$ 298,187,085		5.54%	0.20%	0.07%	1.25%	0.33%	3.69%
A PAPER		22.2%	\$ 155,226,776		6.63%	0.20%	0.23%	1.25%	0.33%	4.62%
B PAPER	86.1%	21.2%	\$ 148,294,462		8.16%	0.40%	0.74%	1.25%	0.33%	5.44%
C PAPER		12.8%	\$ 89,547,268		10.15%	0.80%	1.32%	1.25%	0.33%	6.45%
D PAPER		1.0%	\$ 7,119,608		12.53%	1.50%	1.44%	1.25%	0.33%	8.01%
E PAPER		0.0%	\$ 263,194		12.93%	1.80%	2.59%	1.25%	0.33%	6.96%
No Score		0.0%	\$ 144,740		13.50%	1.80%	12.05%	1.25%	0.33%	-1.93%
Not Rep	13.91%	0.0%	\$ 153,620		5.46%	1.80%	0.00%	1.25%	0.33%	2.08%
TOTAL			\$ 698,936,753	\$ -						

This report can help you see beyond Charge-offs.

Charge-offs are not automatically bad. They are bad if they cause a Tier to not be profitable.

As can be seen from this credit union, the highest loss ratio, C Tier Paper, has a Net Yield substantially higher than A+ and A Tier Paper

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Risk Based Pricing = Sharing

Credit Score	Α	В	С	D
Desired Net Yield	3.00	3.50	4.00	5.00
Charge-offs	0.40	0.60	1.20	2.40
Admin costs	0.20	0.40	0.80	1.50
Dealer fee	0.33	0.33	0.33	0.33
Cost of funds	1.90	1.90	1.90	1.90
Loan Rate	<u>5.83</u>	<u>6.73</u>	<u>8.23</u>	<u>11.13</u>

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Compare yield and term to alternative investments

Interest Rate Risk

The risk of loss due to rising or falling interest rates.

Arises when a credit union's assets do not mature or reprice at the same interval as its liabilities

If interest rates change, what will happen to:

- Net Interest Margin?
- Net Income?
- Capital?

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Interest Rate Risk

Risk that credit union:

- Will lose money due to long-term, fixed rate loans or investments
- Funded by short-term, variable rate deposits

Interest Rate Risk

At time loan is made:

Loan rate4.90%Your COF at time of loan0.80%

Spread <u>4.10%</u>

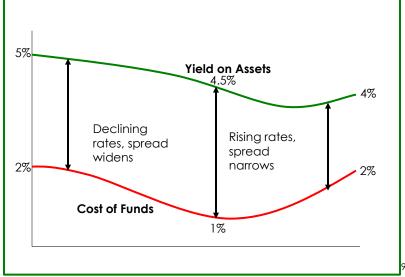
2 years later, rates rise 220 bp:

Loan rate 4.90% Your COF at time of loan 2.80%

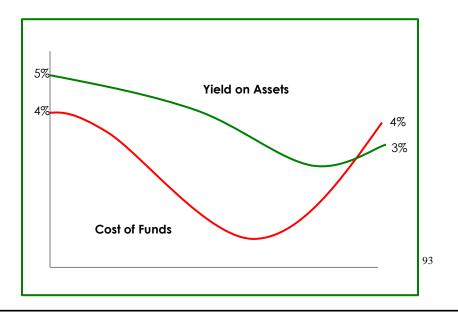
Your COF at time of loan 2.80%

Spread <u>**2.10%**</u> ₉₁









Causes of Interest Rate Risk

Making Fixed Rate Loans in A Variable Rate World

- Fixed rates over long term
- Terms of fixed rate loans and shares
- Adjustable rate loans,
 - Floors, ceilings, re-pricing period

0.

Measuring Interest Rate Risk

Always pay attention Capital at Risk

Compare rate sensitivity of the credit union's earning assets to that of its interest-bearing liabilities

- Gap Analysis
- ■Net Economic Value (NEV) Calculations
- Income Simulations

Computer simulations

Shock tests

✓ Measuring effect on asset values if interest rates rise or fall 300, 400 or 500 basis points

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Net Economic Value: Book Value vs. Market Value: Capital at Risk

Net economic value (NEV) measures the effect of interest rate risk on capital NEV measures balance sheet's value at a future fixed point in time

NEV = "present value" of Assets - "present value" of Liabilities: The end result is the "present value" of Capital at some point in the future.

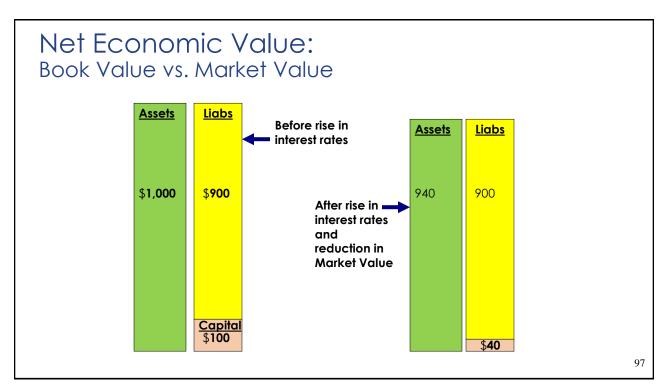
Book Value or Current Value:

Assets - Liabilities = Capital Capital to Assets Ratio \$1,000 - \$900 = \$100 \$100 / \$1,000 = 10.0%

Future Value: (after a 3 % Pt. (300 bp) increase in market rates):

Capital at Risk: 57%

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Capital at Risk From NCUA Financial Performance Report (only available for CUs under \$500 MM in assets)

Line Item	Dec-2020	Dec-2021	Dec-2022	Dec-2023	Dec-2024	Peer Avg.
CAPITAL ADEQUACY RATIOS Ratio						
Net Worth/Total Assets for Prompt Corrective Action ⁶	11.02	10.18	11.21	13.59	13.93	11.92
Net Worth + ALLL or ACL / Total Assets + ALLL or ACL	11.36	10.49	11.50	13.86	14.16	12.38
Risk-Based Capital Ratio	N/A	N/A	N/A	N/A	N/A	N/A
SENSITIVITY TO MARKET RISK				Af	fter Stress	test
Est. NEV Tool Post Shock Ratio ⁴	11.30	10.19	8.68	10.87	11.62	8.76
Est. NEV Tool Post Shock Sensitivity ⁴	-11.39	-12.98	-26.09	-25.67	-21.84	-30.10

Capital at Risk

Liquidity Risk

Risk that adequate cash will not be available to fund loans, meet withdrawal demands, or pay bills

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Liquidity Risk

- 1. Do we know what our sources of cash are going to be?
- 2. Do we know what are uses of cash are going to be?
- 3. Do we have access to loans or lines of credit?
- 4. How much cash and liquid investments do we have?

Causes of Liquidity Risk

- Investments not liquid
- Loans or investments not paying as planned
- New loans exceeding new deposits
- Deposits leaving the C.U.
- Financial losses
- Lack of alternative funding sources
 - Loans from others
 - Lines-of-credit

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Measures of Liquidity

Ungood Federal Credit Union

Liquidity Projection - Cash-Flow Projection

January, 200X

	ACTUAL		ACTUAL					
	Jan 0X		Feb 0X		Mar-0X		Apr-0X	
BEGINNING CASH BALANCE	\$	24,480,091	\$	28,081,931	\$	30,209,082	\$ 22,281,008	
ASSUMPTIONS								
NET LOAN (GROWTH) DECREASE	\$	2,415,510	\$	2,210,170	\$	(754,776)	\$ (758,927)	
DEPOSIT GROWTH (DECREASE)	\$	3,707,806	\$	1,366,869	\$	456,244	\$ 457,612	
CDs MATURING GROWTH (DECREASE)	\$	(2,701,680)	\$	(1,638,779)	\$	(7,779,542)	\$ (8,575,551)	
ESTIMATED NET INCOME	\$	180,204	\$	188,891	\$	150,000	\$ 150,000	
NET LIQUIDITY INCREASE (DECREASE)	\$	3,601,840	\$	2,127,151	\$	(7,928,074)	\$ (8,726,866)	
ENDING LIQUIDITY BALANCE	\$	28,081,931	\$	30,209,082	\$	22,281,008	\$ 13,554,142	
LIQUIDITY MINIMUM ESTABLISHED								
BY THE ALM COMMITTEE	\$	15,525,625	\$	15,423,515	\$	15,488,545	\$ 15,484,158	
LIQUIDITY EXCESS (SHORTAGE)	\$	12,556,306	\$	14,785,567	\$	6,792,463	\$ (1,930,016)	

Managing Liquidity

- Appropriate pricing on deposits
- Ability to sell investments early
- Keeping loans and investments relatively short term
- Lines-of-credit at Corporate, bank or FHLB
 - Borrow from Corporate or FHLB
- Willingness and ability to sell loans or participations

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What Can You Focus On?

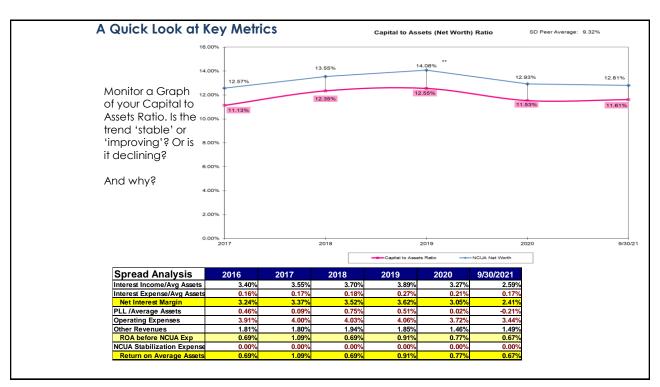
- 1. Maintain **Deposit Growth** at a manageable pace
- 2. Watch **Duration** on Earning Assets (life of the asset)
- 3. Monitor projections of **Capital at Risk** and be prepared to restructure your Balance Sheet
- 4. Review Concentration Limits in IRR and ALM policies

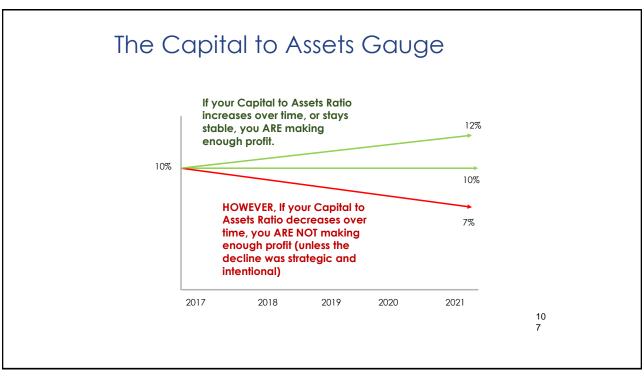
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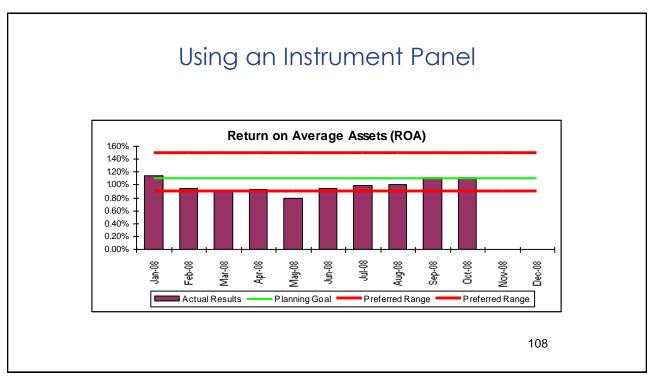
- Monitor your Capital to Assets Ratio (Net Worth Ratio)
 - Its direction and your expectations
- Monitor your Spread Analysis and ROA
- If the Capital to Assets Ratio is falling, determine what it would take to improve Profit (ROA) and return your Capital to Assets Ratio back to 'stable'
- Project out what might happen to Capital/Assets ratio
- Monitor other Key Ratios in Graphic Form or a DashBoard

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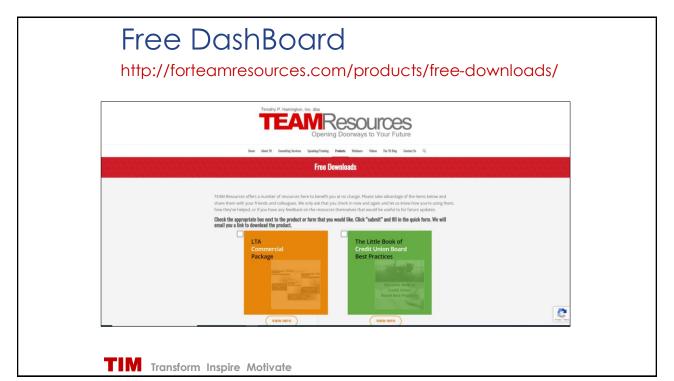
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