

KEY DECISION INFORMATION Book 1 of 2

PREPARED FOR Sample Case Study

SIMULATION Case Study Current

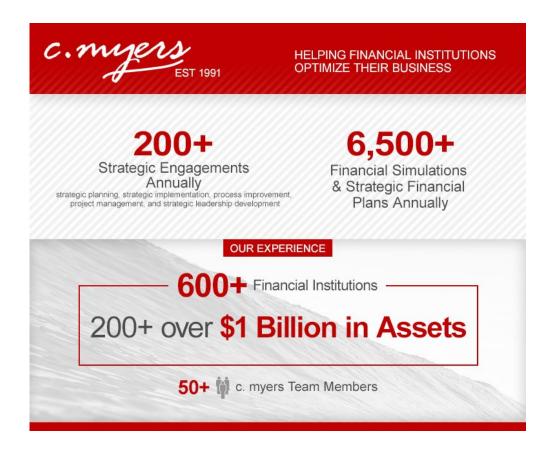
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OVERVIEW

Our ALM Purpose

- Help decision-makers take control of their future by linking strategy, desired financial performance, and risk tolerance.
- Make it easier to see sources of opportunities and risks by using a <u>multi-step approach</u>.
- Deliver ALM that is easy to actively use to support decision-making. The speed with which decisions need to be made is increasing exponentially and we don't see this changing. Our "What-If" capability enables decision-makers to see profitability and risk tradeoffs in a matter of minutes. Just call us when you need help.
- Provide ready access to consultants who can support your team with realtime visualization of changes in your profitability profiles as your team discusses emerging trends. If desired, they can also evaluate options for optimizing your balance sheet and/or business model.



We help credit unions *think to differentiate* and *drive better decisions* through <u>Strategic Planning and Business Model Optimization</u>, <u>Process Improvement</u>, <u>Strategic Implementation & Project Management</u>, <u>Strategic Leadership Development</u>, Real-Time ALM, and Financial Planning and Earnings Optimization.

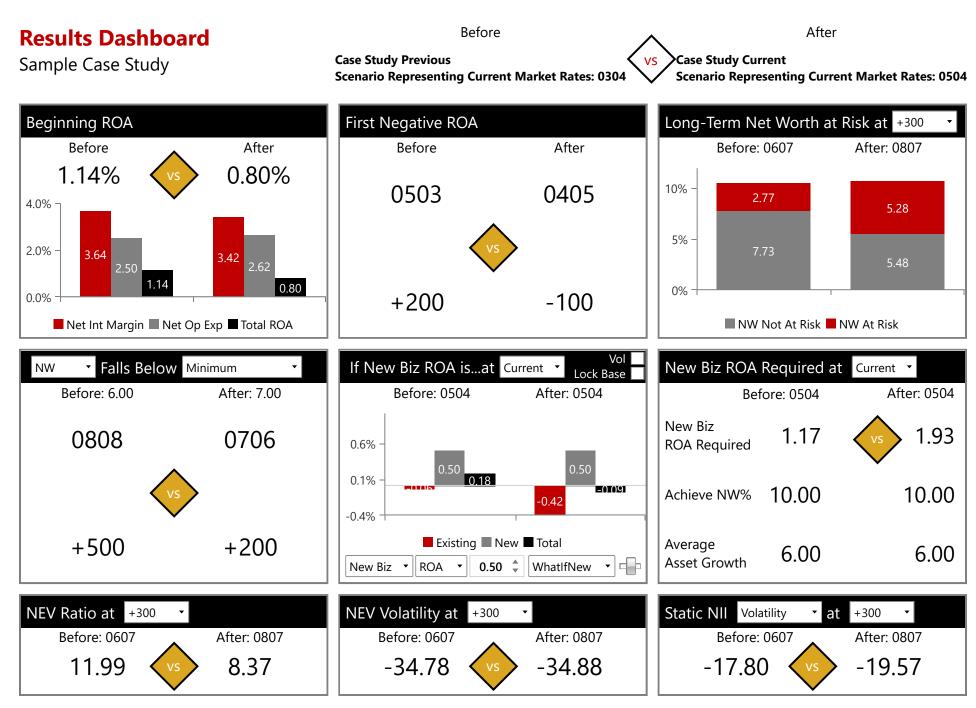


High-Level Results

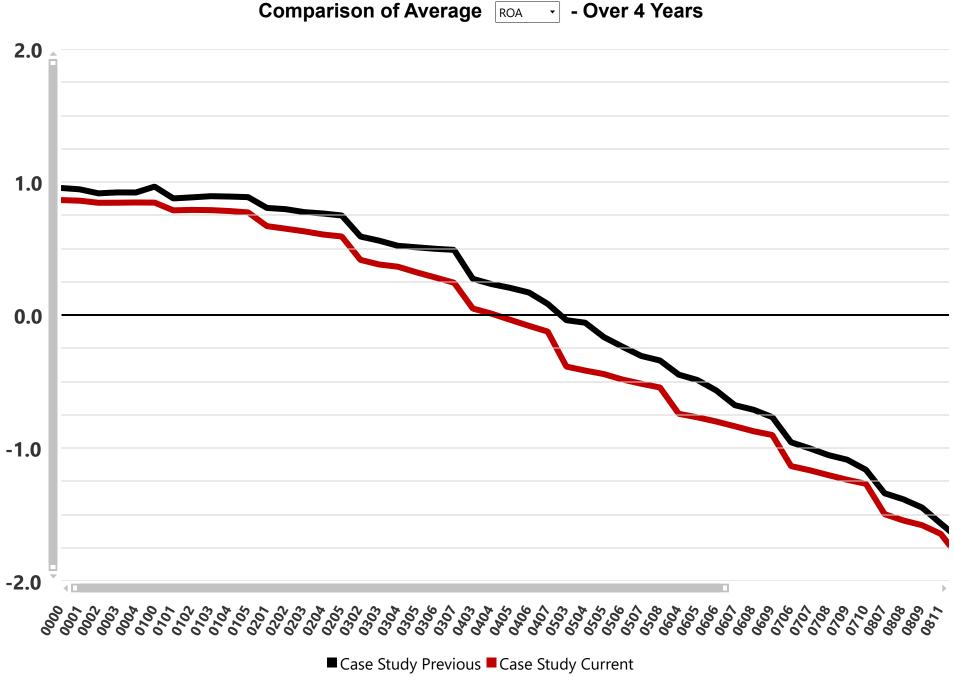
The Results Dashboard provides the following information for the current or base simulation. To communicate results, we use 4-digit scenario codes to represent potential external market interest rates. The first two digits represent short-term rates (3-month Treasury), and the last two digits represent long-term rates (10-year Treasury). In the example below of rate scenario 0203, "02" represents short-term rates of 2% and "03" represents long-term rates of 3%.

| Results Dashboard | Before | After |
|---|--|--|
| Case 202B | Prior Simulation Scenario Representing Current Market Rates: 0203 | S Current Simulation Scenario Representing Current Market Rates: 0001 |
| Beginning ROA | First Negative ROA | Long-Term Net Worth at Risk at +300 |
| What are we poised to earn? | When could we start losing money from the decisions we have implemented? | How does our net worth hold up under our selected test environment? |
| NW • Falls Below Minimum • | If New Biz ROA isat 0001 Vol Lock Base | New Biz ROA Required at Current |
| Based on a scan of every rate environment that has occurred, what is the lowest environment where our net worth could fall below our minimum? | The future profitability will be a combination of future performance from the work we have done and the work we will be doing. What would be the average ROA over the next 4 years if we combine the existing and new business earnings? | What is the new business ROA needed to achieve our target net worth and asset growth goals over the next 4 years? |
| NEV Ratio at +300 | NEV Volatility at +300 | Static NII Volatility • at +300 • |
| What is our resulting NEV ratio in a shocked environment? | What is our resulting NEV volatility in a shocked environment? | What is the Year 1 net interest income (NII) in a shocked environment? |

The long-term risks to earnings and net worth cover a 4-year period of time and help decision-makers understand the credit union's profitability profile from the existing structure. Keep in mind, these views automatically incorporate potential shifts in deposit mix to represent changes in consumer behavior as rates move.

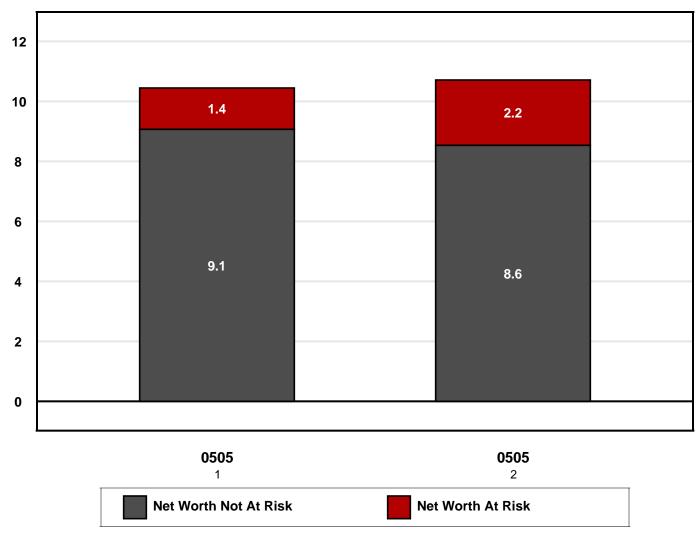


Proprietary Property of c. myers corporation Sample Case Study, Case Study Current



Comparison of Long-Term Net Worth At Risk - Rate Scenario 0505

Percent

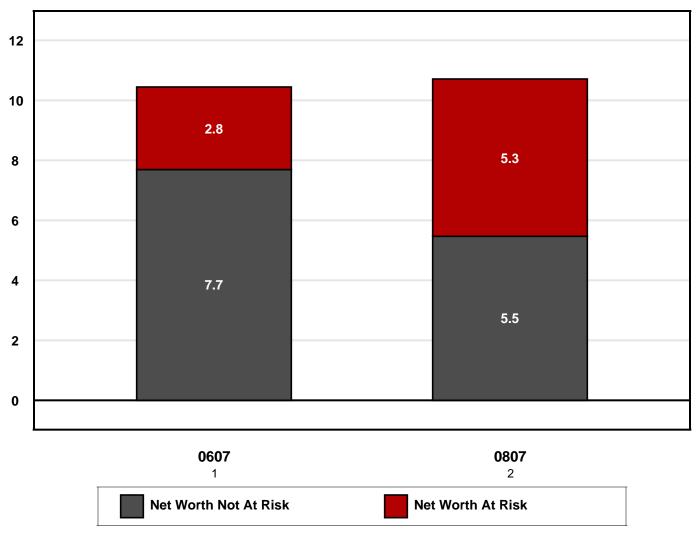


1. Case Study Previous

2. Case Study Current

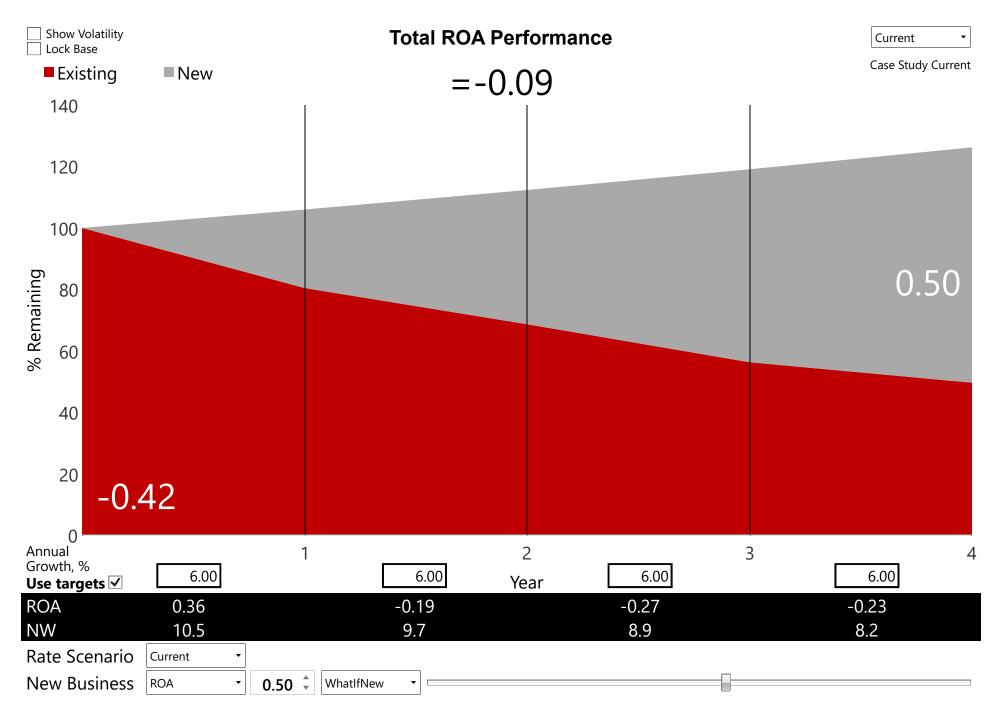
Comparison of Long-Term Net Worth At Risk - Rate Change +300 Basis Points

Percent



1. Case Study Previous

2. Case Study Current



Proprietary Property of c. myers corporation Sample Case Study, Case Study Current

What if New Business Earns Sample Case Study, Case Study Current, \$ in Thousands Beginning Net Worth: 10.76 %

| | Rate Scenarios | ROA Existing Commitments | 0.00% | If New Business Earns 0.50% | 1.00% | | |
|-------------------------------|-------------------|--------------------------------|---------|--------------------------------|---------|--|--|
| Total 4-Year Return on Assets | | | | | | | |
| | 0000 | 0.86% | 0.55% | 0.73% | 0.92% | | |
| -300 | 0201 | 0.67% | 0.43% | 0.61% | 0.79% | | |
| -100 | 0403 | 0.05% | 0.03% | 0.21% | 0.39% | | |
| Current | 0504 | (0.42%) | (0.27%) | (0.09%) | 0.08% | | |
| | 0505 | (0.44%) | (0.29%) | (0.11%) | 0.06% | | |
| +300 | 0807 | (1.50%) | (0.98%) | (0.80%) | (0.63%) | | |
| | 0909 | (1.94%) | (1.27%) | (1.09%) | (0.92%) | | |
| Net Worth After 4 Years | | | | | | | |
| | | | | | | | |
| | 0000 | 0.86% | 10.48% | 11.14% | 11.80% | | |
| -300 | 0201 | 0.67% | 10.06% | 10.70% | 11.33% | | |
| -100 | 0403 | 0.05% | 8.64% | 9.27% | 9.90% | | |
| Current | 0504 | (0.42%) | 7.56% | 8.19% | 8.82% | | |
| | 0505 | (0.44%) | 7.50% | 8.12% | 8.75% | | |
| +300 | 0807 | (1.50%) | 5.04% | 5.67% | 6.29% | | |
| | 0909 | (1.94%) | 4.01% | 4.63% | 5.25% | | |

Target Asset Size Year 4: \$1,451,849

Note: The Net Worth on this report does not factor in the impact of Additional Event Risk Losses. A separate report incorporating Additional Event Risk Losses can be produced.

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Industry Statistics – Long-Term Risk

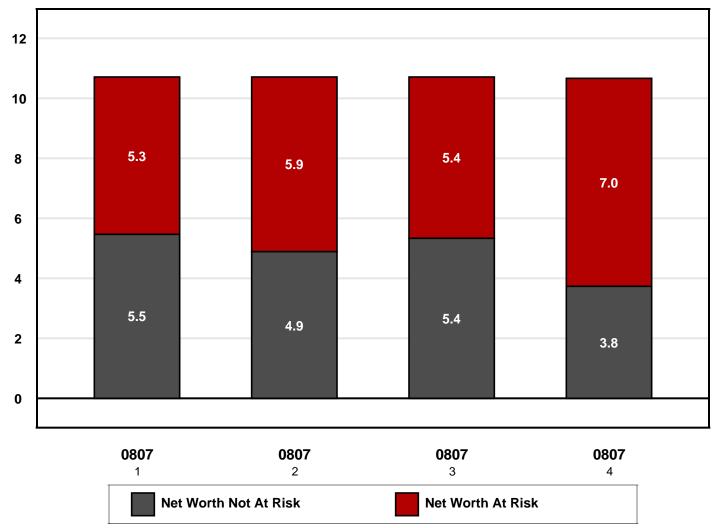
| | CUs with assets of \$1 billion or more | | CUs with assets of less than \$1 billion | | | | |
|---|---|---------|--|--------------|--|--|--|
| | Range | Average | Range | Average | | | |
| F | FIRST NEGATIVE ROA | | | | | | |
| Short-Term Rates at: | 0% to 13% | 4% | 0% to 11% | 3% | | | |
| FALL B | ELOW WE | LL CAP | ITALIZED | ¹ | | | |
| Short-Term Rates at: | 1% to 16% | 7% | 0% to 16% | 6% | | | |
| NET WORTH NOT AT RISK | | | | | | | |
| Last Economic Cycle Peak experienced summer 2007; short- and long-term rates at 5%. | 3.0% to 14.4% | 9.4% | 3.0% to 15.1% | 8.4% | | | |
| Worst Sustained Conditions our financial markets have ever seen— 1980-82—short- and long-term rates at 13%. | -11.7% to 14.0% | 0.2% | -12.6% to 13.8% | -1.0% | | | |

¹ Credit unions run the gamut—some could fall below Well Capitalized with short-term rates at 0%, while others may not fall below Well Capitalized until rates reach 16%. The "Fall Below Well Capitalized" range begins at short-term rates at 0% because at least one credit union has a starting net worth ratio below Well Capitalized or is pushed below the threshold by negative earnings or their incremental assumption regarding additional event risk losses.

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OTHER ANALYSIS

Comparison of Long-Term Net Worth At Risk - Rate Change +300 Basis Points Percent



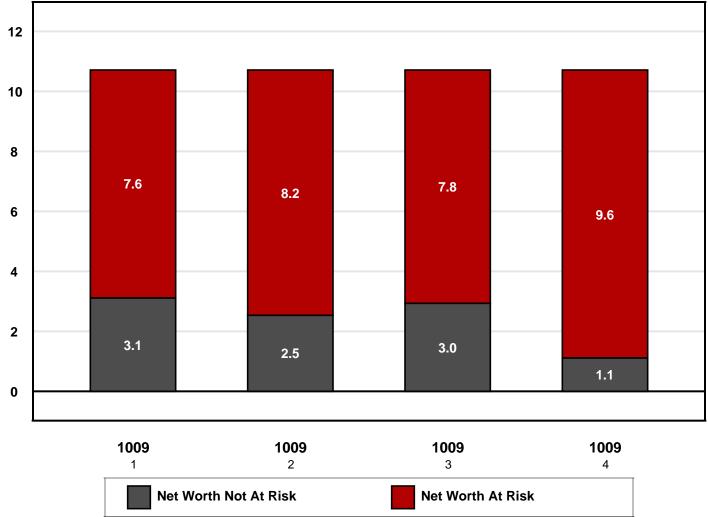
1. Case Study Current

2. Case Study Current: What if ECL Increases to 0.54% (2x Base)

3. Case Study Current: What if Loan Prepayment Speeds

4. Case Study Current: What if NMD Withdrawal Speeds Increase 50%

Comparison of Long-Term Net Worth At Risk - Rate Change +500 Basis Points



1. Case Study Current

2. Case Study Current: What if ECL Increases to 0.54% (2x Base)

3. Case Study Current: What if Loan Prepayment Speeds

4. Case Study Current: What if NMD Withdrawal Speeds Increase 50%

Net Economic Value (+-300) Sample Case Study, Existing Commitments, Case Study Current, \$ in Thousands Scenario Representing Current Market Rates = 0504 Net Worth \$123,750 = 10.8%, Min Net Worth \$80,500 = 7.0%

| | Interest Rate Scenario | NEV | \$ Change | % Change | NEV % | | | |
|--|---------------------------|----------|-----------|-----------|---------|--|--|--|
| Case Study | Case Study Current | | | | | | | |
| -300 | 0201 | 180,159 | 56,858 | 46.11% | 15.29% | | | |
| -200 | 0302 | 167,249 | 43,949 | 35.64% | 14.76% | | | |
| -100 | 0403 | 147,506 | 24,206 | 19.63% | 13.50% | | | |
| Current | 0504 | 123,301 | | | 11.68% | | | |
| +100 | 0605 | 107,379 | (15,921) | (12.91%) | 10.51% | | | |
| +200 | 0706 | 92,395 | (30,906) | (25.07%) | 9.34% | | | |
| +300 | 0807 | 80,297 | (43,003) | (34.88%) | 8.37% | | | |
| | | | | | | | | |
| Casa Study | Current: NEV wit | | | | | | | |
| Case Study Current: NEV with NCUA NMS Values | | | | | | | | |
| -300 | 0201 | 156,350 | 116,794 | 295.26% | 13.27% | | | |
| -200 | 0302 | 113,103 | 73,548 | 185.93% | 9.98% | | | |
| -100 | 0403 | 74,871 | 35,316 | 89.28% | 6.85% | | | |
| Current | 0504 | 39,556 | | | 3.75% | | | |
| +100 | 0605 | 17,466 | (22,090) | (55.84%) | 1.71% | | | |
| +200 | 0706 | (2,643) | (42,199) | (106.68%) | (0.27%) | | | |
| +300 | 0807 | (20,118) | (59,673) | (150.86%) | (2.10%) | | | |

Note: Fair value may not be indicative of actual price and price changes.

Net Economic Value (+-300) Sample Case Study, Existing Commitments, Case Study Current, \$ in Thousands Scenario Representing Current Market Rates = 0504 Net Worth \$123,750 = 10.8%, Min Net Worth \$80,500 = 7.0%

| | Interest Rate Scenario | NEV | \$ Change | % Change | NEV % | | |
|--------------------|---------------------------|---------|-----------|----------|--------|--|--|
| Case Study Current | | | | | | | |
| -300 | 0201 | 180,159 | 56,858 | 46.11% | 15.29% | | |
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| +100 | 0605 | 107,379 | (15,921) | (12.91%) | 10.51% | | |
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| +300 | 0807 | 80,297 | (43,003) | (34.88%) | 8.37% | | |
| | | | | | | | |

Case Study Current: What if Loan Discount Rates Increased 100 bps

| -300 | 0201 | 131,261 | 45,371 | 52.82% | 11.62% |
|---------|------|---------|----------|----------|--------|
| -200 | 0302 | 122,805 | 36,914 | 42.98% | 11.28% |
| -100 | 0403 | 106,816 | 20,926 | 24.36% | 10.15% |
| Current | 0504 | 85,890 | | | 8.43% |
| +100 | 0605 | 72,856 | (13,034) | (15.18%) | 7.38% |
| +200 | 0706 | 60,379 | (25,511) | (29.70%) | 6.31% |
| +300 | 0807 | 50,456 | (35,434) | (41.25%) | 5.43% |

Note: Fair value may not be indicative of actual price and price changes.

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