

MERIDIAN ECONOMICS

Market Analysis

Trusted Insight, Effective Solutions

Strategic Solutions

CREDIKATE WATCH

Business & Industry Consulting

Financial Investments Risk Manage

31 January 2023

	Classic	Unsec	New Veh	New Veh	New Veh	Used Veh	Used Veh			FRM	FRM
	CCd	36mo	48mo	60mo	72mo	48mo	60mo	LOC	10yr	15 yr	30yr
Inite of Charles											
United States-											
National Average	12.47%	9.99%	5.15%	5.27%	5.56%	5.33%	5.45%	7.38%	6.68%	5.81%	6.53%
Mid-South-	11.88%	10.16%	5.17%	5.30%	5.60%	5.37%	5.51%	7.13%	6.77%	5.81%	6.53%
Texas	11.79%	9.73%	4.83%	4.96%	5.23%	5.02%	5.13%	7.33%	6.08%	5.81%	6.53%
Oklahoma	11.63%	10.38%	5.87%	5.91%	6.11%	6.09%	6.12%	6.93%	6.93%	5.81%	6.53%
Louisiana	12.16%	9.63%	4.83%	5.03%	5.31%	5.04%	5.24%	7.23%	6.97%	5.81%	6.53%
Arkansas	10.70%	10.74%	4.99%	5.11%	5.47%	5.22%	5.47%	6.88%	6.51%	5.81%	6.53%
Missouri	13.13%	10.30%	5.33%	5.50%	5.87%	5.46%	5.60%	7.29%	7.38%	5.81%	6.53%
Nountain West-	12.75%	10.24%	5.65%	5.73%	5.97%	5.74%	5.82%	7.50%	7.14%	5.81%	6.53%
Arizona	13.07%	10.46%	5.58%	5.66%	5.88%	5.73%	5.80%	7.68%	6.97%	5.81%	6.539
New Mexico	12.07%	9.94%	4.80%	4.98%	5.20%	4.98%	5.18%	7.13%	6.57%	5.81%	6.53%
Utah	12.03%	10.07%	5.98%	6.04%	6.31%	6.03%	6.09%	7.64%	7.37%	5.81%	6.539
Colorado	13.95%	9.94%	5.95%	6.01%	6.27%	5.99%	6.04%	7.47%	7.26%	5.81%	6.53%
Idaho	12.65%	10.77%	5.93%	5.98%	6.20%	5.96%	6.00%	7.58%	7.52%	5.81%	6.53%
West-	13.29%	9.67%	5.11%	5.23%	5.46%	5.29%	5.42%	7.35%	7.18%	5.81%	6.53%
California	12.60%	9.78%	5.08%	5.23%	5.49%	5.29%	5.44%	7.56%	7.03%	5.81%	6.53%
Oregon	12.00%	11.46%	5.99%	6.06%	6.19%	6.11%	6.20%	7.60%	6.61%	5.81%	6.53%
Washington	12.41%	10.39%	5.88%	6.00%	6.13%	5.99%	6.11%	7.70%	7.21%	5.81%	6.53%
Hawaii	12.69%	6.50%	3.63%	3.76%	4.22%	3.92%	4.08%	6.43%	7.60%	5.81%	6.53%
Nevada	15.77%	10.21%	4.96%	5.10%	5.29%	5.14%	5.28%	7.46%	7.43%	5.81%	6.53%
Midwest-	12.73%	10.09%	5.10%	5.19%	5.47%	5.26%	5.36%	7.29%	6.72%	5.81%	6.53%
Illinois	13.24%	10.02%	4.72%	4.84%	5.20%	4.98%	5.10%	7.30%	6.65%	5.81%	6.53%
Ohio	12.91%	10.30%	5.37%	5.44%	5.73%	5.54%	5.61%	7.23%	7.00%	5.81%	6.53%
Michigan	12.00%	9.81%	5.28%	5.41%	5.67%	5.36%	5.49%	7.29%	6.61%	5.81%	6.539
Wisconsin	12.06%	9.97%	4.99%	5.09%	5.32%	5.11%	5.22%	7.18%	6.47%	5.81%	6.53%
Indiana	13.45%	10.36%	5.14%	5.19%	5.41%	5.32%	5.36%	7.43%	6.87%	5.81%	6.53%
South-	13.01%	9.35%	4.86%	5.00%	5.32%	5.12%	5.26%	7.39%	6.98%	5.81%	6.53%
Florida	13.04%	9.58%	4.82%	4.94%	5.22%	5.07%	5.17%	7.26%	6.53%	5.81%	6.53%
Georgia	13.68%	9.80%	4.91%	5.01%	5.29%	5.12%	5.24%	7.51%	7.51%	5.81%	6.53%
South Carolina	12.91%	10.62%	4.84%	4.97%	5.23%	5.19%	5.30%	7.51%	6.98%	5.81%	6.53%
Alabama	12.97%	6.06%	4.60%	4.82%	5.30%	4.73%	4.97%	7.30%	7.16%	5.81%	6.53%
North Carolina	12.46%	10.69%	5.12%	5.26%	5.55%	5.48%	5.63%	7.36%	6.74%	5.81%	6.53%
Northeast-	12.73%	9.89%	5.01%	5.15%	5.54%	5.20%	5.33%	7.16%	6.19%	5.81%	6.53%
New York	12.47%	10.37%	5.09%	5.20%	5.64%	5.20%	5.30%	7.21%	5.98%	5.81%	6.53%
Massachusetts	12.49%	10.39%	5.11%	5.22%	5.66%	5.22%	5.32%	7.23%	6.00%	5.81%	6.53%
Pennsylvania	12.35%	9.65%	5.26%	5.41%	5.74%	5.45%	5.60%	6.91%	6.16%	5.81%	6.53%
New Jersey	13.27%	9.71%	4.89%	5.03%	5.34%	5.22%	5.35%	7.30%	6.46%	5.81%	6.53%
Maryland	13.08%	9.33%	4.72%	4.90%	5.32%	4.92%	5.10%	7.14%	6.37%	5.81%	6.53%



Business & Industry Consulting

MERIDIAN ECONOMICS

Trusted Insight, Effective Solutions

Market Analysis Strategic Solutions Financial Investments



Risk Management Regulatory Exper

31 January	2023
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	Share	Regular	\$10K	\$50K	3MO	6M0	1YR	2YR	3YR	4YR
	Draft	Savings	MMkt	MMkt	CD	CD	CD	CD	CD	CD
United States-										
National Average	0.17%	0.16%	0.60%	0.80%	1.02%	1.58%	2.24%	2.41%	2.44%	2.50%
Mid-South-	0.33%	0.20%	0.63%	0.80%	1.31%	1.72%	2.33%	2.52%	2.53%	2.65%
Texas	0.25%	0.27%	0.56%	0.69%	1.37%	1.92%	2.65%	2.81%	2.81%	2.95%
Oklahoma	0.23%	0.24%	0.54%	0.74%	1.57%	1.85%	2.31%	2.34%	2.28%	2.20%
Louisiana	0.33%	0.22%	0.54%	0.67%	1.50%	1.76%	2.52%	2.79%	2.79%	3.169
Arkansas	0.48%	0.12%	0.92%	1.10%	1.07%	1.56%	2.09%	2.38%	2.42%	2.549
Missouri	0.38%	0.17%	0.58%	0.80%	1.06%	1.50%	2.09%	2.27%	2.35%	2.389
Mountain West-	0.12%	0.15%	0.73%	0.96%	1.22%	1.91%	2.57%	2.74%	2.76%	2.75%
Arizona	0.08%	0.17%	0.60%	0.84%	1.00%	1.84%	2.37%	2.47%	2.60%	2.54%
New Mexico	0.14%	0.19%	0.79%	1.00%	0.97%	1.69%	2.61%	2.56%	2.68%	2.61%
Utah	0.06%	0.12%	1.13%	1.47%	2.11%	2.72%	3.52%	3.91%	3.61%	3.66%
Colorado	0.23%	0.20%	0.67%	0.87%	1.30%	1.80%	2.33%	2.63%	2.71%	2.70%
Idaho	0.10%	0.09%	0.46%	0.64%	0.74%	1.48%	2.03%	2.11%	2.21%	2.229
West-	0.31%	0.13%	0.48%	0.61%	0.83%	1.43%	2.04%	2.17%	2.17%	2.18%
California	0.16%	0.13%	0.47%	0.63%	1.00%	1.48%	2.06%	2.30%	2.35%	2.429
Oregon	0.63%	0.08%	0.35%	0.51%	0.38%	1.18%	1.54%	1.75%	1.90%	1.82%
Washington	0.43%	0.14%	0.54%	0.65%	0.66%	1.30%	1.99%	1.88%	2.07%	2.029
Hawaii	0.15%	0.09%	0.34%	0.39%	0.57%	1.30%	1.96%	2.04%	1.98%	2.13%
Nevada	0.19%	0.22%	0.68%	0.85%	1.55%	1.88%	2.63%	2.87%	2.55%	2.51%
	0.070/			0.050/	0.000/	4	4.000/	0.000/	2 2 2 2 4	
Midwest-	0.27%	0.16%	0.61%	0.85%	0.90%	1.34%	1.88%	2.09%	2.20%	2.26%
Illinois	0.28%	0.30%	0.54%	0.73%	0.71%	1.12%	1.73%	1.98%	2.00%	2.029
Ohio	0.35%	0.08%	0.78%	1.03%	1.41%	1.86%	2.35%	2.48%	2.55%	2.63%
Michigan	0.20%	0.10%	0.43%	0.60%	0.82%	1.43%	1.85%	1.99%	2.10%	2.249
Wisconsin	0.33%	0.16%	0.58%	0.95%	0.75%	0.97%	1.71%	1.97%	2.19%	2.119
Indiana	0.18%	0.18%	0.74%	0.95%	0.79%	1.33%	1.77%	2.05%	2.18%	2.30%
South-	0.19%	0.21%	0.60%	0.77%	0.98%	1.35%	2.06%	2.33%	2.33%	2.50%
Florida	0.27%	0.16%	0.53%	0.68%	1.02%	1.44%	2.22%	2.44%	2.51%	2.629
Georgia	0.21%	0.27%	0.54%	0.08%	1.02%	1.42%	2.19%	2.40%	2.31%	2.45%
South Carolina	0.15%	0.14%	0.73%	0.89%	0.82%	1.42%	1.89%	2.13%	2.19%	2.55%
Alabama	0.11%	0.25%	0.58%	0.73%	1.02%	1.32%	1.94%	2.36%	2.22%	2.39%
North Carolina	0.12%	0.20%	0.78%	0.90%	0.82%	1.55%	2.41%	2.71%	2.76%	2.80%
	0.12/0									,
	0.19%	0.18%	0.51%	0.68%	0.98%	1.45%	2.06%	2.23%	2.25%	2.33%
Northeast-				0.55%	0.67%	1.29%	1.73%	1.83%	1.75%	1.79%
Northeast-	0.14%	0.19%	0.35%	0.55%						
New York	0.14% 0.16%	0.19% 0.21%	0.35% 0.37%				1.75%		1.77%	1.819
New York Massachusetts	0.16%	0.21%	0.37%	0.57%	0.69%	1.31%	1.75% 2.22%	1.85%	1.77% 2.64%	
New York							1.75% 2.22% 2.03%		1.77% 2.64% 2.32%	1.819 2.719 2.429



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Risk Management

Business & Industry Consulting

Strategic Solutions Financial Investments

Regulatory Expert

31 January 2023

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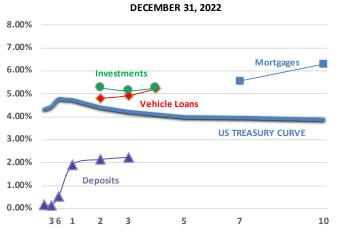
CHANGE IN MARKET RATES

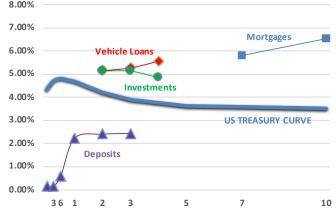
	DEC	DEC	DEC	DEC	
	2019	2020	2021	2022	CURRENT
Fed Funds	1.55%	0.09%	0.08%	4.33%	4.33%
1yr UST	1.59%	0.10%	0.39%	4.73%	4.68%
2yr UST	1.58%	0.13%	0.73%	4.41%	4.21%
3yr UST	1.62%	0.17%	0.97%	4.22%	3.90%
7yr UST	1.83%	0.65%	1.44%	3.96%	3.59%
10yr UST	1.92%	0.93%	1.52%	3.88%	3.52%
5yr Vehicle	3.59%	3.08%	2.78%	4.92%	5.27%
15yr FLM	3.57%	2.84%	2.74%	5.56%	5.81%
30yr FLM	4.01%	3.17%	3.27%	6.29%	6.53%
Reg Savings	0.19%	0.15%	0.09%	0.15%	0.16%
MoneyMkt	1.40%	0.19%	0.15%	0.69%	0.80%
1yr CD	1.64%	0.44%	0.46%	1.91%	2.24%
2yr CD	0.00%	0.57%	0.57%	2.14%	2.41%

12 MONTH NATIONAL MARKET RATE HISTORY & PRICING SPREADS

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
Fed Funds	0.08%	0.08%	0.33%	0.83%	0.83%	1.58%	2.32%	2.33%	3.08%	3.08%	3.83%	4.33%	4.33%
1yr UST	0.78%	1.01%	1.63%	2.10%	2.08%	2.80%	2.98%	3.50%	4.05%	4.66%	4.74%	4.73%	4.68%
2yr UST	1.19%	1.44%	2.28%	2.70%	2.53%	2.92%	2.89%	3.45%	4.22%	4.51%	4.38%	4.41%	4.21%
3yr UST	1.39%	1.62%	2.45%	2.87%	2.71%	2.99%	2.83%	3.46%	4.25%	4.45%	4.13%	4.22%	3.90%
7yr UST	1.75%	1.81%	2.40%	2.94%	2.87%	3.04%	2.70%	3.25%	3.97%	4.10%	3.76%	3.96%	3.59%
10yr UST	1.79%	1.83%	2.32%	2.89%	2.85%	2.98%	2.67%	3.15%	3.83%	4.44%	3.68%	3.88%	3.52%
5yr Vehicle	2.77%	2.77%	2.77%	2.89%	2.96%	3.12%	3.58%	3.72%	3.90%	4.46%	4.66%	4.92%	5.27%
15yr FLM	2.91%	3.10%	3.95%	4.54%	4.54%	4.69%	5.16%	5.35%	6.14%	5.97%	5.60%	5.56%	5.81%
30yr FLM	3.47%	3.68%	4.63%	5.17%	5.39%	5.39%	5.65%	6.00%	6.75%	6.47%	6.14%	6.29%	6.53%
Reg Savings	0.09%	0.09%	0.09%	0.10%	0.10%	0.10%	0.11%	0.11%	0.12%	0.12%	0.14%	0.15%	0.16%
MoneyMkt	0.22%	0.22%	0.22%	0.23%	0.30%	0.26%	0.11%	0.34%	0.40%	0.56%	0.60%	0.69%	0.80%
1yr CD	0.35%	0.36%	0.37%	0.42%	0.62%	0.54%	0.82%	0.82%	1.02%	1.48%	1.63%	1.91%	2.24%
2yr CD	0.47%	0.48%	0.50%	0.57%	0.78%	0.72%	1.21%	1.05%	1.29%	1.76%	1.90%	2.14%	2.41%
Pricing Spread	de												
Veh Loan	1.98%	1.81%	1.38%	1.15%	0.32%	0.02%	0.25%	0.13%	0.75%	0.26%	-0.35%	0.70%	1.37%
15yr FLM	1.38%	1.30%	1.16%	1.13%	1.55%	1.60%	1.67%	1.65%	2.46%	2.10%	2.17%	1.60%	2.22%
30yr FLM		1.75%	1.68%	1.29%	2.31%	2.28%	2.54%	2.41%	2.40%	2.10%	2.17%		
SUVI FLIVI	1.82%	1.75%	1.00%	1.05%	2.51%	2.20%	2.34%	2.4170	2.90%	2.05%	2.9270	2.41%	3.01%
Reg Svgs	0.01%	0.01%	0.01%	0.01%	-0.24%	-0.73%	-0.73%	-1.48%	-2.21%	-5.39%	-5.38%	-4.18%	-4.17%
MMkt	0.14%	0.14%	0.14%	0.14%	-0.11%	-0.60%	-0.53%	-1.32%	-2.21%	-5.16%	-5.10%	-3.64%	-3.53%
1yrCD	0.11%	0.07%	-0.43%	-0.65%	-1.26%	-1.68%	-1.46%	-2.26%	-2.16%	-2.68%	-3.03%	-2.82%	-2.44%
2yrCD	-0.06%	-0.16%	-0.72%	-0.96%	-1.78%	-2.13%	-1.75%	-2.20%	-1.68%	-2.40%	-2.93%	-2.27%	-1.80%







8.00%

	Dec-11	Dec-12	Dec-13	Dec-14	Dec-15	Dec-16	Dec-17	Dec-18	Dec-19	Dec-20	Dec-21	Dec-22	Jan-23
Benchmark ar	nd Market	Rates-											
FedFunds	0.04%	0.09%	0.07%	0.06%	0.20%	0.55%	1.33%	2.40%	1.55%	0.09%	0.08%	4.33%	4.33%
1yr UST	0.12%	0.16%	0.13%	0.25%	0.65%	0.85%	1.76%	2.63%	1.59%	0.10%	0.39%	4.73%	4.68%
2yr UST	0.25%	0.25%	0.38%	0.67%	1.06%	1.20%	1.89%	2.48%	1.58%	0.13%	0.73%	4.41%	4.21%
3yr UST	0.36%	0.36%	0.78%	1.10%	1.31%	1.47%	1.98%	2.46%	1.62%	0.17%	0.97%	4.22%	3.90%
7yr UST	1.35%	1.18%	2.45%	1.97%	2.09%	2.25%	2.33%	2.59%	1.83%	0.65%	1.44%	3.96%	3.59%
10yr UST	1.89%	1.78%	3.04%	2.17%	2.27%	2.45%	2.40%	2.69%	1.92%	0.93%	1.52%	3.88%	3.52%
3yr Agy Call	0.79%	0.69%	1.13%	1.53%	1.81%	2.00%	2.35%	2.67%	1.80%	0.21%	1.11%	5.25%	5.13%
3yr Agy MBS	1.60%	1.26%	1.54%	1.83%	2.21%	2.34%	2.55%	3.00%	1.85%	0.68%	1.25%	4.55%	4.57%
5yr Vehicle	3.54%	3.06%	2.68%	2.68%	2.66%	2.68%	2.94%	3.64%	3.59%	3.08%	2.78%	4.92%	5.27%
15yr FLM	3.24%	2.65%	3.52%	3.31%	3.52%	3.68%	3.68%	4.48%	3.57%	2.84%	2.74%	5.56%	5.81%
30yr FLM	3.95%	3.35%	4.48%	4.07%	4.17%	4.33%	4.17%	4.93%	4.01%	3.17%	3.27%	6.29%	6.53%
Reg Svgs	0.30%	0.20%	0.20%	0.14%	0.14%	0.14%	0.15%	0.18%	0.19%	0.15%	0.09%	0.15%	0.16%
1yr CD	1.00%	0.80%	0.80%	0.45%	0.50%	0.55%	0.75%	1.41%	1.40%	0.44%	0.46%	1.91%	2.24%
2yr CD	1.23%	1.03%	1.03%	0.68%	0.75%	0.81%	1.02%	1.75%	1.64%	0.57%	0.57%	2.14%	2.41%
Pricing Spread	ls-												
3yr Agy Call	0.43%	0.33%	0.35%	0.43%	0.50%	0.53%	0.37%	0.21%	0.18%	0.04%	0.14%	1.03%	1.23%
3yr Agy MBS	1.24%	0.90%	0.76%	0.73%	0.90%	0.87%	0.57%	0.54%	0.23%	0.51%	0.28%	0.33%	0.67%
5yr Vehicle	3.18%	2.70%	1.90%	1.58%	1.35%	1.21%	0.96%	1.18%	1.97%	2.91%	1.81%	0.70%	1.37%
15yr FLM	1.89%	1.47%	1.07%	1.34%	1.43%	1.43%	1.35%	1.89%	1.74%	2.19%	1.30%	1.60%	2.22%
30yr FLM	2.06%	1.57%	1.44%	1.90%	1.90%	1.88%	1.77%	2.24%	2.09%	2.24%	1.75%	2.41%	3.01%
•													
Reg Svgs	0.26%	0.11%	0.13%	0.08%	-0.06%	-0.41%	-1.18%	-2.22%	-1.36%	0.06%	0.01%	-4.18%	-4.179
1yr CD	0.88%	0.64%	0.67%	0.20%	-0.15%	-0.30%	-1.01%	-1.22%	-0.19%	0.34%	0.07%	-2.82%	-2.44%
2yr CD	0.98%	0.78%	0.65%	0.01%	-0.31%	-0.39%	-0.87%	-0.73%	0.06%	0.44%	-0.16%	-2.27%	-1.80%



Business & Industry Consulting

MERIDIAN ECONOMICS

Market Analysis

Trusted Insight, Effective Solutions

Strategic Solutions



Regulatory Expert

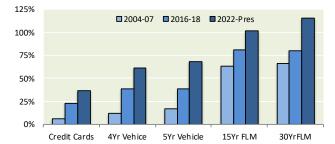
31 January 2023

CYCLICAL NATIONAL LOAN & SHARE RATE SENSITIVITY

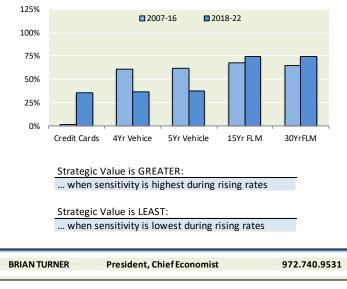
		EARNING	EARNING ASSETS						FUNDING OBLIGATIONS					
		Credit	4Yr	5Yr	15Yr	30Yr		Share	Regular	Money	1Yr	2Yr		
CYCLE		Cards	Vehicle	Vehicle	FLM	FLM		Drafts	Savings	Market	CD	CD		
Rising Rate	Environments:													
2004-07	Rising	6%	13%	17%	63%	66%		2%	5%	41%	73%	72%		
2016-18	Rising	23%	39%	39%	81%	80%		1%	2%	15%	38%	39%		
2020-Pres	Rising	36%	61%	68%	102%	115%		2%	2%	10%	39%	45%		
Falling Rate	e Environments:													
2007-16	Falling	1%	60%	62%	68%	65%		9%	20%	51%	81%	78%		
2018-20	Falling	35%	36%	37%	75%	75%		2%	4%	22%	40%	47%		

Financial Investment

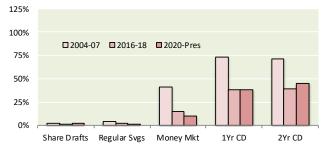
RATE SENSITIVITY OF EARNINGS ASSETS OVER PAST RISING RATE CYCLES



RATE SENSITIVITY OF EARNINGS ASSETS OVER PAST FALLING RATE CYCLES



RATE SENSITIVITY OF FUNDING OVER PAST RISING RATE CYCLES



RATE SENSITIVITY OF FUNDING over past falling rate cycles

