Trusted Insight, Effective Solutions

CREDITINATE SURVEY

Business & Industry Consulting

Market Analysis

Strategic Solutions

Financial Investments

Risk Management Regulatory Expert

30 September 2019

	Classic	Unsec	New Veh	New Veh	New Veh	Used Veh	Used Veh	HE	HE	FRM	FRM
	CCd	36mo	48mo	60mo	72mo	48mo	60mo	LOC	10yr	15yr	30yr
United States-											
National Average	11.61%	9.38%	3.55%	3.66%	3.99%	3.74%	3.85%	5.39%	5.37%	3.58%	3.99%
Mid-South-	11.08%	9.41%	3.55%	3.66%	3.96%	3.77%	3.86%	5.45%	5.66%	3.68%	4.10%
Texas	11.37%	9.05%	3.52%	3.66%	3.93%	3.74%	3.87%	5.43%	5.37%	3.72%	4.17%
Oklahoma	10.17%	9.74%	3.90%	3.93%	4.09%	4.02%	4.05%	5.33%	5.41%	3.53%	3.92%
Louisiana	12.25%	9.32%	3.25%	3.46%	3.81%	3.63%	3.75%	5.26%	6.25%	3.75%	4.12%
Arkansas	9.13%	9.08%	3.48%	3.56%	3.85%	3.74%	3.82%	5.75%	5.68%	3.81%	4.29%
Missouri	12.50%	9.84%	3.60%	3.71%	4.14%	3.71%	3.82%	5.47%	5.58%	3.60%	4.00%
Nountain West-	11.19%	9.53%	3.69%	3.77%	4.04%	3.83%	3.91%	5.53%	5.70%	3.55%	3.96%
	9.99%	10.28%			4.00%				5.96%	3.48%	
Arizona New Mexico	9.99%	8.99%	3.62% 3.31%	3.72% 3.45%	4.00% 3.82%	3.74% 3.71%	3.85% 3.83%	5.67% 5.28%	5.96%	3.48%	4.00%
New Mexico Utah	11.30%	8.99% 9.12%	3.69%	3.45%	3.82%	3.71%	3.83%	5.28%	5.02%	3.36%	3.86%
Colorado	12.25%	9.12%	3.84%	3.92%	4.18%	3.96%	4.04%	5.44%	5.67%	3.69%	4.12%
Idaho	12.25%	9.91%	3.84% 4.01%	4.06%	4.18%	4.02%	4.04%	5.85%	5.67% 6.40%	3.69%	4.127
luano	10.76%	9.93%	4.01%	4.00%	4.22%	4.02%	4.07%	5.85%	0.40%	3.72%	4.027
West-	11.88%	8.90%	3.55%	3.66%	3.93%	3.71%	3.83%	5.61%	5.88%	3.56%	3.99%
California	11.93%	9.75%	3.42%	3.53%	3.77%	3.62%	3.73%	5.52%	5.60%	3.57%	4.00%
Oregon	11.78%	10.25%	3.94%	4.03%	4.22%	4.08%	4.16%	5.71%	5.50%	3.63%	4.06%
Washington	11.39%	9.29%	3.94%	4.07%	4.25%	3.97%	4.11%	5.83%	6.03%	3.65%	4.08%
Hawaii	12.58%	5.99%	2.90%	3.02%	3.62%	3.24%	3.42%	5.45%	6.16%	3.51%	3.86%
Nevada	11.70%	9.21%	3.56%	3.65%	3.81%	3.62%	3.72%	5.54%	6.11%	3.44%	3.95%
Midwest-	11.96%	9.48%	3.59%	3.69%	4.03%	3.75%	3.84%	5.25%	5.33%	3.54%	3.95%
Illinois	11.69%	9.28%	3.36%	3.47%	3.86%	3.54%	3.64%	5.34%	5.72%	3.50%	3.94%
Ohio	11.98%	9.61%	3.72%	3.80%	4.11%	3.87%	3.94%	5.29%	5.32%	3.55%	3.947
Michigan	12.48%	9.09%	3.51%	3.59%	3.91%	3.62%	3.69%	5.32%	5.28%	3.57%	3.98%
Wisconsin	11.33%	9.60%	3.72%	3.86%	4.16%	3.88%	4.01%	5.09%	4.86%	3.58%	3.98%
Indiana	12.30%	9.82%	3.64%	3.75%	4.10%	3.83%	3.93%	5.22%	5.45%	3.49%	3.90%
South	11 770/	0.26%	2 210/	2 4 2 9/	2 700/	2 6 1 9/	2 719/	F 449/	F 669/	2 619/	4.039
South-	11.77%	9.26%	3.31%	3.43%	3.78%	3.61%	3.71%	5.44%	5.66%	3.61%	4.03%
Florida	12.00%	9.33%	3.27%	3.37%	3.71%	3.53%	3.65%	5.28%	5.52%	3.65%	4.09%
Georgia	12.07%	8.52%	3.51%	3.60%	3.95%	3.77%	3.77%	5.25%	5.53%	3.68%	4.10%
South Carolina	11.96%	9.75%	3.27%	3.37%	3.71%	3.67%	3.76%	5.54%	5.78%	3.59%	4.01%
Alabama	11.76%	9.28%	3.08%	3.35%	3.75%	3.31%	3.55%	5.43%	5.60%	3.63%	3.99%
North Carolina	11.08%	9.41%	3.40%	3.47%	3.78%	3.77%	3.84%	5.70%	5.87%	3.51%	3.95%
Northeast-	11.52%	9.15%	3.37%	3.47%	3.88%	3.63%	3.76%	5.16%	5.00%	3.49%	3.91%
New York	11.30%	8.99%	3.31%	3.45%	3.82%	3.71%	3.83%	5.28%	5.02%	3.50%	3.89%
Massachusetts	11.47%	10.03%	3.56%	3.67%	4.11%	3.73%	3.84%	5.07%	4.77%	3.41%	3.84%
Pennsylvania	11.16%	8.61%	3.56%	3.56%	3.98%	3.74%	3.86%	5.19%	4.66%	3.64%	3.95%
New Jersey	12.08%	9.00%	3.34%	3.47%	3.92%	3.68%	3.82%	5.26%	5.25%	3.40%	3.88%
Maryland	11.57%	9.13%	3.08%	3.22%	3.56%	3.29%	3.44%	5.00%	5.32%	3.48%	4.01%

Business & Industry Consulting

Trusted Insight, Effective Solutions

Market Analysis

Strategic Solutions



stments Risk Management

t Regulatory Expert 30 September 2019

Share Regular \$10K \$50K 2YF Savings MMkt MMkt Draft United States-0.14% 0.19% 0.47% 1.47% 1.74% 2.28% National Average 0.65% 0.61% 1.03% 2.07% 0.18% 0.23% 0.48% 0.67% 0.73% 1.59% 2.02% Mid-South-1.14% 1.84% 2.20% 0.21% Texas 0.13% 0.42% 0.57% 0.74% 1.13% 1.64% 1.91% 2.05% 2.18% Oklahoma 0.24% 0.38% 0.60% 0.79% 0.98% 1.46% 1.73% 1.97% 2.13% 2.21% 0.20% 0.22% 0.43% 0.55% 0.68% 1.04% 1.62% 1.89% 2.09% 2.35% Louisiana Arkansas 0.09% 0.15% 0.47% 0.76% 0.63% 1.02% 1.48% 1.60% 1.81% 2.09% Missouri 0.22% 0.21% 0.50% 0.69% 0.63% 1.07% 1.49% 1.82% 2.00% 2.17% Mountain West-0.12% 0.17% 0.44% 0.61% 0.65% 1.19% 1.66% 1.90% 2.05% 2.19% 0.12% 0.18% 0.41% 0.53% 0.54% 1.00% 1.37% 1.68% 2.07% 2.08% Arizona New Mexico 0.12% 0.18% 0.48% 0.73% 0.61% 0.93% 1.38% 1.64% 1.80% 2.01% Utah 0.08% 0.16% 0.50% 0.69% 0.88% 1.66% 2.06% 2.26% 2.37% 2.49% 0.19% 0.48% 0.79% 1.87% 2.19% Colorado 0.12% 0.61% 1.30% 1.66% 2.00% 0.14% 0.34% 0.45% 1.05% 2.06% 1.99% Idaho 0.14% 0.49% 1.84% 2.17% West-0.10% 0.13% 0.36% 0.49% 0.53% 0.94% 1.35% 1.67% 1.87% 2.03% 0.12% 0.17% 0.40% 0.55% 0.62% 1.00% 1.45% 1.72% 1.88% 2.01% California Oregon 0.07% 0.09% 0.29% 0.42% 0.41% 0.84% 1.27% 1.64% 1.86% 2.07% Washington 0.10% 0.13% 0.36% 0.51% 0.44% 0.76% 1.31% 1.69% 1.96% 2.14% Hawaii 0.12% 0.16% 0.37% 0.45% 0.57% 1.10% 1.36% 1.53% 1.71% 1.88% Nevada 0.11% 0.12% 0.37% 0.51% 0.62% 1.02% 1.38% 1.78% 1.95% 2.05% 0.18% 0.16% 0.45% 0.68% 0.56% 0.92% 1.30% 1.59% 1.78% 1.94% Midwest-Illinois 0.23% 0.20% 0.44% 0.67% 0.51% 0.82% 1.25% 1.60% 1.80% 1.95% 0.55% Ohio 0.17% 0.12% 0.77% 0.71% 1.08% 1.46% 1.73% 1.90% 2.06% Michigan 0.12% 0.14% 0.33% 0.50% 0.46% 0.87% 1.29% 1.54% 1.77% 1.98% 0.20% 0.18% 0.45% 0.75% 0.62% 0.94% 1.35% 1.62% 1.74% 1.86% Wisconsin Indiana 0.19% 0.18% 0.48% 0.71% 0.50% 0.87% 1.16% 1.46% 1.71% 1.87% South-0.22% 0.50% 0.68% 1.01% 1.48% 1.73% 2.08% 0.15% 0.63% 1.94% Florida 0.17% 0.20% 0.42% 0.60% 0.54% 0.99% 1.46% 1.72% 1.89% 2.04% Georgia 0.23% 0.49% 0.65% 0.61% 1.45% 1.95% 0.14% 1.05% 1.65% 1.81% South Carolina 0.10% 0.14% 0.57% 0.81% 0.66% 0.87% 1.38% 1.69% 1.99% 2.10% Alabama 0.18% 0.32% 0.51% 0.65% 0.69% 1.12% 1.62% 1.86% 2.06% 2.24% North Carolina 0.13% 0.23% 0.54% 0.68% 0.44% 0.94% 1.45% 1.74% 1.96% 2.25% 0.16% 0.18% 0.43% 0.63% 0.64% 0.96% 1.42% 1.66% 1.83% 2.00% Northeast-New York 0.12% 0.18% 0.48% 0.73% 0.61% 0.93% 1.38% 1.64% 2.01% 2.16% 0.14% 0.39% 0.65% 1.68% 1.98% Massachusetts 0.15% 0.57% 0.82% 1.32% 1.81% Pennsylvania 0.14% 0.17% 0.44% 0.62% 0.68% 1.03% 1.38% 1.62% 1.81% 1.96% New Jersey 0.18% 0.20% 0.38% 0.56% 0.55% 0.84% 1.32% 1.54% 1.65% 1.81% Maryland 0.21% 0.20% 0.45% 0.58% 0.78% 1.18% 1.69% 1.82% 1.88% 2.09%

Business & Industry Consulting

Trusted Insight, Effective Solutions

Market Analysis

Regulatory Expert

30 September 2019

CREDITUNION RATE SURVEY

				YTD CH	ANGE	CYCLICAL	CHANGE	RATE SE	NSITIVITY	[Yiel
	Peak	Dec	Current	Current	Pricing	Current	Pricing	Chg in	Rate			
	2019	2018	Avg Rate	Rate	Spread	Rate	Spread	Benchmk	Sensitivity			
oan Rates-												
48Mo Vehicle Loan	3.66%	3.54%	3.55%	0.01%	0.27%	-0.11%	1.13%	-1.24%	9%		Prim	e
60Mo Vehicle Loan	3.78%	3.65%	3.66%	0.01%	0.43%	-0.12%	1.25%	-1.37%	9%		FFds	;
15Yr FR Mortgage	4.58%	4.46%	3.58%	-0.88%	-0.17%	-1.00%	0.45%	-1.45%	69%		1m	
30Yr FR Mortgage	5.06%	4.89%	3.99%	-0.90%	-0.18%	-1.07%	0.40%	-1.47%	73%		3m	
									·		6m	
hare Rates-											12m	
Share Draft	0.14%	0.13%	0.14%	0.01%	-0.49%	0.00%	0.60%	-0.60%	0%		2yr	
Regular Savings	0.19%	0.18%	0.19%	0.01%	-0.49%	0.00%	0.60%	-0.60%	0%		Зyr	
Money Mkt Shares	0.65%	0.60%	0.65%	0.05%	-0.45%	0.00%	0.60%	-0.60%	0%		4yr	
											5yr	
6Mo Certificate	1.05%	0.93%	1.03%	0.10%	-0.20%	-0.02%	0.69%	-0.71%	3%		7yr	
1Yr Certificate	1.53%	1.41%	1.47%	0.06%	0.07%	-0.06%	0.91%	-0.97%	6%		10yr	
2Yr Certificate	1.86%	1.75%	1.74%	-0.01%	0.25%	-0.12%	1.12%	-1.24%	10%			
3Yr Certificate	2.25%	1.99%	2.07%	0.08%	0.50%	-0.18%	1.19%	-1.37%	13%			

Strategic Solutions

Financial Investments

	Classic CCd	Unsec 36mo	New Veh 48mo	New Veh 60mo	New Veh 72mo	Used Veh 48mo	Used Veh 60mo	HE LOC	HE 10yr	FRM 15yr	FRM 30yr
Average National Loan Rate	Spreads-										
Effective Pricing Spread	6.61%	4.38%	1.92%	2.10%	2.43%	2.11%	2.29%	0.39%	0.37%	1.96%	2.31%
Benchmarks:	Prime	Prime	2Yr UST	3Yr UST	3Yr UST	2Yr UST	3Yr UST	Prime	Prime	7Yr UST	10Yr UST
		Share	Regular	\$10K	\$50K	3MO	6MO	1YR	2YR	3YR	4YR
		Draft	Savings	MMkt	MMkt	CD	CD	CD	CD	CD	CD
Average National Share Rate	Spreads-										
Effective Pricing Spread		-1.69%	-1.64%	-1.36%	-1.18%	-1.27%	-0.80%	-0.28%	0.11%	0.51%	0.73%
Benchmarks:		FedFds	FedFds	FedFds	FedFds	3Mo UST	6Mo UST	1Yr UST	2Yr UST	3Yr UST	3Yr UST

12 MONTH NATIONAL MARKET RATE HISTORY

	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
Fed Funds	2.18%	2.20%	2.20%	2.40%	2.40%	2.40%	2.43%	2.43%	2.40%	2.40%	2.40%	2.12%	1.83%
1yr UST	2.59%	2.69%	2.72%	2.63%	2.55%	2.54%	2.40%	2.40%	2.21%	1.92%	2.10%	1.78%	1.75%
2yr UST	2.81%	2.87%	2.83%	2.48%	2.45%	2.55%	2.27%	2.27%	1.95%	1.75%	2.00%	1.50%	1.63%
3yr UST	2.88%	2.93%	2.84%	2.46%	2.43%	2.52%	2.21%	2.21%	1.90%	1.71%	1.89%	1.42%	1.56%
7yr UST	3.01%	3.07%	2.90%	2.59%	2.51%	2.63%	2.31%	2.31%	2.03%	1.76%	2.91%	1.45%	1.62%
10yr UST	3.05%	3.15%	2.98%	2.69%	2.63%	2.72%	2.41%	2.41%	2.14%	2.00%	2.02%	1.50%	1.68%
5yr Vehicle	3.45%	3.53%	3.59%	3.65%	3.73%	3.77%	3.78%	3.78%	3.76%	3.75%	3.72%	3.69%	3.66%
15yr FLM	4.42%	4.54%	4.58%	4.46%	4.29%	4.21%	4.10%	4.10%	3.90%	3.75%	3.66%	3.54%	3.58%
30yr FLM	4.87%	5.02%	5.06%	4.89%	4.74%	4.67%	4.53%	4.53%	4.33%	4.18%	4.12%	3.96%	3.99%
Reg Savings	0.17%	0.18%	0.18%	0.18%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%
MoneyMkt	0.52%	0.55%	0.58%	0.60%	0.63%	0.65%	0.66%	0.66%	0.67%	0.67%	0.67%	0.66%	0.65%
1yr CD	1.22%	1.32%	1.37%	1.41%	1.47%	1.50%	1.52%	1.52%	1.53%	1.53%	1.51%	1.49%	1.47%
2yr CD	1.56%	1.65%	1.71%	1.75%	1.81%	1.84%	1.85%	1.85%	1.86%	1.85%	1.82%	1.78%	1.74%

RateWatch is a registered trademark of Meridian Economic LLC. All rights reserved.

Trusted Insight, Effective Solutions

Business & Industry Consulting

Market Analysis

Strategic Solutions Financial Investments

Risk Management Regulatory Expert

CREDITION RATE SURVEY

30 September 2019

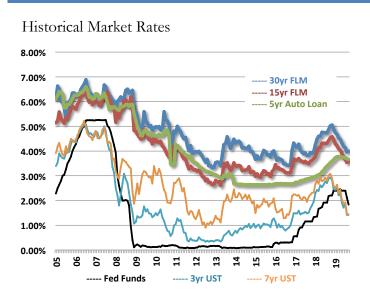
HISTORICAL	NATIONAL	. MARKET F	PRICING SP	READS									
	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
5yr Vehicle	0.57%	0.60%	0.75%	1.19%	1.30%	1.25%	1.57%	1.57%	1.86%	2.04%	1.83%	2.27%	2.10%
Benchmarks:	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST
15yr FLM	1.41%	1.47%	1.68%	1.87%	1.78%	1.58%	1.79%	1.79%	1.87%	1.99%	0.75%	2.09%	1.96%
Benchmarks:	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST	7Yr UST
30yr FLM	1.82%	1.87%	2.08%	2.20%	2.11%	1.95%	2.12%	2.12%	2.19%	2.18%	2.10%	2.46%	2.31%
Benchmarks:	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST	10Yr UST
Reg Savings	-2.01%	-2.02%	-2.02%	-2.22%	-2.21%	-2.21%	-2.24%	-2.24%	-2.21%	-2.21%	-2.21%	-1.93%	-1.64%
Benchmarks:	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds
MoneyMkt	-1.66%	-1.65%	-1.62%	-1.80%	-1.77%	-1.75%	-1.77%	-1.77%	-1.73%	-1.73%	-1.73%	-1.46%	-1.18%
Benchmarks:	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds	Fed Funds
1yr CD	-1.37%	-1.37%	-1.35%	-1.22%	-1.08%	-1.04%	-0.88%	-0.88%	-0.68%	-0.39%	-0.59%	-0.29%	-0.28%
Benchmarks:	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST	1yr UST
2yr CD	-1.25%	-1.22%	-1.12%	-0.73%	-0.64%	-0.71%	-0.42%	-0.42%	-0.09%	0.10%	-0.18%	0.28%	0.11%
Benchmarks:	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST	2yr UST

HISTORICAL MARGINAL NATIONAL PRICING SPREADS BETWEEN LOANS AND SHARES

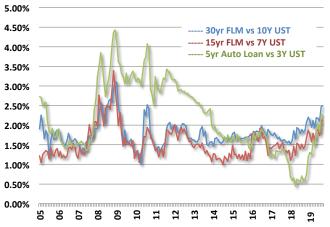
	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
5yr Vehicle													
vs Reg Svgs	3.28%	3.35%	3.41%	3.47%	3.54%	3.58%	3.59%	3.59%	3.57%	3.56%	3.53%	3.50%	3.47%
vs MMkt	2.93%	2.98%	3.01%	3.05%	3.10%	3.12%	3.12%	3.12%	3.09%	3.08%	3.05%	3.03%	3.01%
vs 1yr CD	2.23%	2.21%	2.22%	2.24%	2.26%	2.27%	2.26%	2.26%	2.23%	2.22%	2.21%	2.20%	2.19%
vs 2yr CD	1.89%	1.88%	1.88%	1.90%	1.92%	1.93%	1.93%	1.93%	1.90%	1.90%	1.90%	1.91%	1.92%
15yr FLM													
vs Reg Svgs	4.25%	4.36%	4.40%	4.28%	4.10%	4.02%	3.91%	3.91%	3.71%	3.56%	3.47%	3.35%	3.39%
vs MMkt	3.90%	3.99%	4.00%	3.86%	3.66%	3.56%	3.44%	3.44%	3.23%	3.08%	2.99%	2.88%	2.93%
vs 1yr CD	3.20%	3.22%	3.21%	3.05%	2.82%	2.71%	2.58%	2.58%	2.37%	2.22%	2.15%	2.05%	2.11%
vs 2yr CD	2.86%	2.89%	2.87%	2.71%	2.48%	2.37%	2.25%	2.25%	2.04%	1.90%	1.84%	1.76%	1.84%
30yr FLM													
vs Reg Svgs	4.70%	4.84%	4.88%	4.71%	4.55%	4.48%	4.34%	4.34%	4.14%	3.99%	3.93%	3.77%	3.80%
vs MMkt	4.35%	4.47%	4.48%	4.29%	4.11%	4.02%	3.87%	3.87%	3.66%	3.51%	3.45%	3.30%	3.34%
vs 1yr CD	3.65%	3.70%	3.69%	3.48%	3.27%	3.17%	3.01%	3.01%	2.80%	2.65%	2.61%	2.47%	2.52%
vs 2yr CD	3.31%	3.37%	3.35%	3.14%	2.93%	2.83%	2.68%	2.68%	2.47%	2.33%	2.30%	2.18%	2.25%

MERIDIAN ECONOMICS
Trusted Insight, Effective Solutions CREDICACE SURVEY Business & Industry Consulting Market Analysis Strategic Solutions Risk Management Regulatory Expert Business & Industry Consulting Market Analysis Strategic Solutions Risk Management Regulatory Expert Business & Industry Consulting Market Analysis Strategic Solutions Risk Management Regulatory Expert

HISTORICAL NATIONAL MARKET RATES AND RELATIVE PRICING SPREADS



Historical Pricing Spreads



TOTAL RETURN ANALYSIS - 5-YEAR HORIZON

		After	For the		The Rec	uired Rate of Return N	leeded to "Breakeven'	" Against:
	Rate	Term of	Next		30Yr FLM	15Yr FLM	5Yr Vehicle	4Yr MBS
2-year Agency Call	2.60%	2 Years	3 Years	Need to Yield at Least	4.92%	4.23%	5.78%	3.70%
3-year Agency Call	2.67%	3 Years	2 Years	Need to Yield at Least	5.98%	4.94%	-	4.59%
4-year Agency Call	2.98%	4 Years	1 Year	Need to Yield at Least	8.05%	5.97%	-	-
3-year MBS/CMO	2.83%	3 Years	2 Years	Need to Yield at Least	5.74%	4.70%	-	-
4-year MBS/CMO	3.15%	4 Years	1 Year	Need to Yield at Least	7.37%	5.29%	-	-
5-year Vehicle Loan	3.66%	3 Years	2 Years	Need to Yield at Least	4.49%	3.45%	-	-
15-year FR FLM	3.58%	5 Years	-	Need to Yield at Least	-	-	-	-
30-year FR FLM	3.99%	5 Years	-	Need to Yield at Least	-	-	-	-

RELATIVE VALUE OF REALLOCATION - PER \$100 MILLION IN ASSETS

(000s)	Amount	Rate	\$ Impact on Income	Impact on ROA
Ohne Jacobse in End Funds (Assumed 120/ Chart term Funding Datis)	12,000	1.020/	220	0.110/
+0bps Increase in Fed Funds (Assumes 12% Short-term Funding Ratio)	12,000	1.83%	220	0.11%
3 year Agency Callable	8,225	2.67%	220	0.11%
3 year Agency MBS	7,760	2.83%	220	0.11%
4 year Agency Callable	7,369	2.98%	220	0.11%
4 year Agency MBS	6,971	3.15%	220	0.11%
5 Year Vehicle Loan	6,000	3.66%	220	0.11%
15 Year FR FLM	6,139	3.58%	220	0.11%
30 Year FR FLM	5,500	3.99%	220	0.11%

Trusted Insight, Effective Solutions

Market Analysis

Regulatory Expert Risk Management

NION RATE SURVEY

CREDI

Financial Investments

30 September 2019

ТМ

Business & Industry Consulting

	Ber	chmark Ra	ates	M	larket Rate	s	Rate
	Beginning	Ending	Change	Beginning	Ending	Change	Sensitivity
EARNING ASSETS							
<u> 2016 - 2019 (Rising)</u>							
Credit Cards	3.50%	5.50%	2.00%	11.19%	11.71%	0.52%	26%
5yr Vehicle Loans	0.82%	2.93%	2.11%	2.68%	3.78%	1.10%	52%
HE LOC	3.50%	5.50%	2.00%	4.01%	5.57%	1.56%	78%
15yr FR FLM	1.31%	3.07%	1.76%	3.14%	4.58%	1.44%	82%
30yr FR FLM	1.52%	3.15%	1.63%	3.69%	5.06%	1.37%	84%
2019 - Present (Falling)							
Credit Cards	5.50%	5.00%	-0.50%	11.71%	11.61%	-0.10%	20%
5yr Vehicle Loans	2.93%	1.56%	-1.37%	3.78%	3.66%	-0.12%	9%
HE LOC	5.50%	5.00%	-0.50%	5.57%	5.39%	-0.18%	36%
15yr FR FLM	3.07%	1.62%	-1.45%	4.58%	3.58%	-1.00%	69%
30yr FR FLM	3.15%	1.68%	-1.47%	5.06%	3.99%	-1.07%	73%
FUNDING OBLIGATIONS							
FUNDING OBLIGATIONS							
	0.25%	2.43%	2.18%	0.11%	0.14%	0.03%	1%
2016 - 2019 (Rising)	0.25% 0.25%	2.43% 2.43%	2.18% 2.18%	0.11%	0.14% 0.19%	0.03% 0.05%	1% 2%
2016 - 2019 (Rising) Share Drafts							
2016 - 2019 (Rising) Share Drafts Regular Savings	0.25%	2.43%	2.18%	0.14%	0.19%	0.05%	2%
2016 - 2019 (Rising) Share Drafts Regular Savings Money Market	0.25% 0.25%	2.43% 2.43%	2.18% 2.18%	0.14% 0.31%	0.19% 0.67%	0.05% 0.36%	2% 17%
2016 - 2019 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate	0.25% 0.25% 0.50%	2.43% 2.43% 2.72%	2.18% 2.18% 2.22%	0.14% 0.31% 0.53%	0.19% 0.67% 1.53%	0.05% 0.36% 1.00%	2% 17% 45%
2016 - 2019 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate 2yr Certificate	0.25% 0.25% 0.50%	2.43% 2.43% 2.72%	2.18% 2.18% 2.22%	0.14% 0.31% 0.53%	0.19% 0.67% 1.53%	0.05% 0.36% 1.00%	2% 17% 45%
2016 - 2019 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate 2yr Certificate 2019 - Present (Falling)	0.25% 0.25% 0.50% 0.67%	2.43% 2.43% 2.72% 2.87%	2.18% 2.18% 2.22% 2.20%	0.14% 0.31% 0.53% 0.78%	0.19% 0.67% 1.53% 1.86%	0.05% 0.36% 1.00% 1.08%	2% 17% 45% 49%
2016 - 2019 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate 2yr Certificate 2yr Certificate 2019 - Present (Falling) Share Drafts	0.25% 0.25% 0.50% 0.67% 2.43%	2.43% 2.43% 2.72% 2.87% 1.83%	2.18% 2.18% 2.22% 2.20%	0.14% 0.31% 0.53% 0.78%	0.19% 0.67% 1.53% 1.86% 0.14%	0.05% 0.36% 1.00% 1.08%	2% 17% 45% 49%
2016 - 2019 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate 2yr Certificate 2019 - Present (Falling) Share Drafts Regular Savings	0.25% 0.25% 0.50% 0.67% 2.43% 2.43%	2.43% 2.43% 2.72% 2.87% 1.83% 1.83%	2.18% 2.18% 2.22% 2.20% -0.60% -0.60%	0.14% 0.31% 0.53% 0.78% 0.14% 0.19%	0.19% 0.67% 1.53% 1.86% 0.14% 0.19%	0.05% 0.36% 1.00% 1.08% 0.00% 0.00%	2% 17% 45% 49%

Strategic Solutions

BRIAN TUP	RNER
-----------	------

President, Chief Economist

972.740.9531

bturner008@tx.rr.com

www.Meridian-ally.com