**Trusted Insight, Effective Solutions** 

CREDITINATE SURVEY

Business & Industry Consulting

Market Analysis

Strategic Solutions

Financial Investments

Risk Management Regulatory Expert

#### 30 November 2019

	Classic	Unsec	New Veh	New Veh	New Veh	Used Veh	Used Veh			FRM	FRM
	CCd	36mo	48mo	60mo	72mo	48mo	60mo	LOC	<b>10yr</b>	15yr	30yr
United States-											
National Average	11.45%	9.31%	3.49%	3.61%	3.93%	3.68%	3.78%	5.05%	5.30%	3.57%	4.01%
				/				/	/		
Mid-South-	10.95%	9.35%	3.51%	3.62%	3.93%	3.72%	3.81%	5.21%	5.58%	3.65%	4.07%
Texas	11.21%	8.94%	3.46%	3.58%	3.88%	3.68%	3.78%	5.12%	5.28%	3.71%	4.16%
Oklahoma	10.10%	9.74%	3.85%	3.89%	4.09%	3.96%	3.99%	5.12%	5.40%	3.42%	3.84%
Louisiana	11.94%	9.28%	3.22%	3.43%	3.78%	3.59%	3.70%	4.99%	6.09%	3.72%	4.09%
Arkansas	9.03%	9.05%	3.50%	3.59%	3.86%	3.73%	3.82%	5.56%	5.68%	3.86%	4.27%
Missouri	12.48%	9.74%	3.52%	3.63%	4.05%	3.66%	3.78%	5.24%	5.45%	3.56%	3.99%
Mountain West-	11.28%	9.64%	3.61%	3.69%	3.93%	3.71%	3.80%	5.28%	5.73%	3.60%	4.02%
Arizona	9.99%	10.16%	3.49%	3.60%	3.87%	3.63%	3.75%	5.29%	5.74%	3.52%	4.05%
New Mexico	12.48%	9.75%	3.49%	3.61%	3.88%	3.70%	3.84%	5.39%	5.55%	3.79%	4.10%
Utah	11.32%	9.10%	3.47%	3.49%	3.73%	3.50%	3.52%	5.03%	5.40%	3.36%	3.83%
Colorado	11.81%	9.27%	3.81%	3.88%	4.12%	3.91%	4.01%	5.17%	5.74%	3.64%	4.079
Idaho	10.79%	9.90%	3.81%	3.87%	4.05%	3.83%	3.88%	5.53%	6.23%	3.70%	4.04%
West-	11.84%	8.87%	3.51%	3.63%	3.88%	3.65%	3.78%	5.33%	5.73%	3.58%	4.01%
California	11.93%	9.68%	3.39%	3.51%	3.76%	3.58%	3.70%	5.24%	5.60%	3.58%	4.02%
Oregon	11.67%	10.19%	3.87%	3.97%	4.15%	4.01%	4.10%	5.50%	5.35%	3.61%	4.13%
Washington	11.42%	9.35%	3.86%	3.99%	4.15%	3.89%	4.02%	5.58%	5.89%	3.69%	4.12%
Hawaii	12.70%	6.18%	2.92%	3.08%	3.57%	3.23%	3.44%	5.17%	5.89%	3.51%	3.86%
Nevada	11.50%	8.96%	3.49%	3.58%	3.77%	3.55%	3.66%	5.14%	5.94%	3.49%	3.92%
Midwest-	11.77%	9.43%	3.53%	3.63%	3.97%	3.69%	3.78%	4.95%	5.27%	3.55%	4.00%
Illinois	11.63%	9.30%	3.31%	3.40%	3.79%	3.48%	3.58%	5.09%	5.69%	3.52%	4.00%
Ohio	11.74%	9.42%	3.65%	3.72%	4.06%	3.81%	3.86%	4.91%	5.17%	3.60%	4.03%
Michigan	12.35%	9.11%	3.47%	3.56%	3.87%	3.57%	3.66%	4.99%	5.24%	3.55%	3.99%
Wisconsin	10.96%	9.58%	3.64%	3.78%	4.07%	3.80%	3.93%	4.78%	4.84%	3.57%	4.05%
Indiana	12.16%	9.72%	3.60%	3.70%	4.08%	3.77%	3.85%	4.96%	5.39%	3.48%	3.92%
South-	11.63%	9.23%	3.23%	3.36%	3.70%	3.56%	3.67%	5.19%	5.59%	3.63%	4.06%
Florida	11.90%	9.31%	3.21%	3.34%	3.66%	3.49%	3.62%	5.01%	5.37%	3.69%	4.13%
Georgia	12.23%	8.44%	3.36%	3.46%	3.79%	3.70%	3.72%	5.05%	5.48%	3.69%	4.10%
South Carolina	11.78%	9.76%	3.22%	3.32%	3.66%	3.63%	3.72%	5.33%	5.75%	3.60%	4.079
Alabama North Carolina	11.45%	9.26%	3.03%	3.28%	3.71%	3.27%	3.49%	5.20%	5.54%	3.62%	3.99%
	10.81%	9.39%	3.35%	3.41%	3.70%	3.72%	3.79%	5.34%	5.80%	3.55%	4.00%
Northeast-	11.45%	9.03%	3.32%	3.57%	3.82%	3.58%	3.70%	4.85%	4.91%	3.49%	3.96%
New York	11.18%	8.83%	3.24%	3.39%	3.78%	3.63%	3.75%	5.00%	4.91%	3.51%	3.93%
Massachusetts	11.52%	10.10%	3.51%	3.61%	4.03%	3.68%	3.78%	4.71%	4.69%	3.47%	3.91%
Pennsylvania	11.11%	8.29%	3.52%	3.52%	3.93%	3.71%	3.82%	4.84%	4.56%	3.55%	3.96%
New Jersey	11.97%	8.84%	3.30%	3.82%	3.88%	3.62%	3.75%	4.94%	5.18%	3.45%	3.93%
Maryland	11.45%	9.08%	3.04%	3.50%	3.50%	3.26%	3.40%	4.75%	5.20%	3.47%	4.06%

Trusted Insight, Effective Solutions

Business & Industry Consulting Market Analysis Strategic Solutions



tments Risk Management

# Regulatory Expert **30 November 2019**

Draft 0.15% 0.21% 0.30% 0.24% 0.20% 0.09% 0.22% 0.16% 0.16% 0.10% 0.08% 0.11%	Savings           0.19%           0.24%           0.25%           0.37%           0.22%           0.14%           0.21%           0.16%           0.18%	\$10K MMkt 0.46% 0.48% 0.42% 0.42% 0.42% 0.44% 0.46% 0.46% 0.48% 0.39%	MMkt 0.62% 0.66% 0.55% 0.78% 0.75% 0.67%	CD 0.59% 0.69% 0.68% 0.95% 0.62% 0.53% 0.65%	CD 0.99% 1.12% 1.08% 1.41% 1.02% 1.06%	<b>CD</b> <b>1.41%</b> <b>1.53%</b> 1.57% 1.63% 1.56%	2YR CD 1.65% 1.76% 1.78% 1.88% 1.82%	CD 1.96% 1.93% 1.91% 2.05%	<b>2.13%</b> <b>2.12%</b> 2.04% 2.15%
0.21% 0.30% 0.24% 0.20% 0.09% 0.22% 0.12% 0.16% 0.10% 0.08%	0.24% 0.25% 0.37% 0.22% 0.14% 0.21% 0.16%	0.48% 0.42% 0.58% 0.44% 0.46% 0.48%	0.66% 0.55% 0.78% 0.55% 0.75%	0.69% 0.68% 0.95% 0.62% 0.53%	<b>1.12%</b> 1.08% 1.41% 1.02%	<b>1.53%</b> 1.57% 1.63%	<b>1.76%</b> 1.78% 1.88%	<b>1.93%</b> 1.91%	<b>2.12%</b> 2.04% 2.15%
0.21% 0.30% 0.24% 0.20% 0.09% 0.22% 0.12% 0.16% 0.10% 0.08%	0.24% 0.25% 0.37% 0.22% 0.14% 0.21% 0.16%	0.48% 0.42% 0.58% 0.44% 0.46% 0.48%	0.66% 0.55% 0.78% 0.55% 0.75%	0.69% 0.68% 0.95% 0.62% 0.53%	<b>1.12%</b> 1.08% 1.41% 1.02%	<b>1.53%</b> 1.57% 1.63%	<b>1.76%</b> 1.78% 1.88%	<b>1.93%</b> 1.91%	<b>2.129</b> 2.049 2.159
0.30% 0.24% 0.20% 0.09% 0.22% 0.12% 0.16% 0.10% 0.08%	0.25% 0.37% 0.22% 0.14% 0.21% 0.16%	0.42% 0.58% 0.44% 0.46% 0.48%	0.55% 0.78% 0.55% 0.75%	0.68% 0.95% 0.62% 0.53%	1.08% 1.41% 1.02%	1.57% 1.63%	1.78% 1.88%	1.91%	2.04% 2.15%
0.30% 0.24% 0.20% 0.09% 0.22% 0.12% 0.16% 0.10% 0.08%	0.25% 0.37% 0.22% 0.14% 0.21% 0.16%	0.42% 0.58% 0.44% 0.46% 0.48%	0.55% 0.78% 0.55% 0.75%	0.68% 0.95% 0.62% 0.53%	1.08% 1.41% 1.02%	1.57% 1.63%	1.78% 1.88%	1.91%	2.049 2.159
0.24% 0.20% 0.09% 0.22% 0.12% 0.16% 0.10% 0.08%	0.37% 0.22% 0.14% 0.21% 0.16%	0.58% 0.44% 0.46% 0.48%	0.78% 0.55% 0.75%	0.95% 0.62% 0.53%	1.41% 1.02%	1.63%	1.88%		2.15%
0.20% 0.09% 0.22% 0.12% 0.16% 0.10% 0.08%	0.22% 0.14% 0.21% 0.16%	0.44% 0.46% 0.48%	0.55% 0.75%	0.62% 0.53%	1.02%			2.05%	
0.09% 0.22% 0.12% 0.16% 0.10% 0.08%	0.14% 0.21% <b>0.16%</b>	0.46% 0.48%	0.75%	0.53%		1.56%	1 0 3 0/		
0.22% 0.12% 0.16% 0.10% 0.08%	0.21%	0.48%			1.06%		1.82%	2.01%	2.21
0.12% 0.16% 0.10% 0.08%	0.16%		0.67%	0.65%	1.00/0	1.44%	1.60%	1.77%	2.12
0.16% 0.10% 0.08%		0.39%			1.01%	1.44%	1.73%	1.90%	2.06
0.10% 0.08%	0.18%		0.53%	0.62%	1.18%	1.63%	1.89%	2.01%	2.13
0.10% 0.08%	0.10/0	0.40%	0.53%	0.54%	0.99%	1.37%	1.64%	1.96%	1.99
0.08%	0.14%	0.33%	0.46%	0.62%	0.97%	1.49%	1.91%	2.04%	2.159
	0.16%	0.47%	0.64%	0.86%	1.59%	1.93%	2.13%	2.22%	2.33
U. 1170	0.19%	0.44%	0.57%	0.73%	1.31%	1.62%	1.81%	1.94%	2.13
0.17%	0.13%	0.31%	0.46%	0.34%	1.02%	1.74%	1.95%	1.89%	2.04
0.1770	0.1470	0.51/0	0.4070	0.5470	1.0270	1.7470	1.5570	1.0570	2.04
0.11%	0.13%	0.35%	0.47%	0.52%	0.91%	1.33%	1.59%	1.78%	1.92
0.12%	0.16%	0.41%	0.53%	0.60%	0.97%	1.41%	1.65%	1.81%	1.95
0.07%	0.09%	0.29%	0.42%	0.41%	0.82%	1.23%	1.56%	1.76%	1.94
0.11%	0.13%	0.34%	0.48%	0.43%	0.77%	1.26%	1.55%	1.78%	1.93
0.12%	0.16%	0.35%	0.44%	0.57%	1.04%	1.35%	1.52%	1.68%	1.82
0.12%	0.11%	0.36%	0.48%	0.60%	0.95%	1.41%	1.66%	1.87%	1.96
0.18%	0.16%	0.43%	0.66%	0.53%	0.88%	1.26%	1.51%	1.69%	1.849
									1.829
									1.93
									1.87
									1.80
0.20%	0.17%	0.45%	0.67%	0.48%	0.85%	1.16%	1.42%	1.63%	1.77
0 1 5 %	0 229/	0 51%	0 67%	0 61%	0.07%	1 / 29/	1 67%	1 950/	2.01
									1.92
									1.87
									2.07
									2.189
0.13%	0.22%	0.51%	0.02%	0.41%	0.91%	1.39%	1.00%	1.80%	2.119
0.16%	0.19%	0.41%	0.59%	0.65%	0.94%	1.37%	1.57%	1.73%	1.88
									2.04
									1.879
									1.899
									1.66
									1.959
	0.12% 0.07% 0.11% 0.12% 0.12% 0.18% 0.23% 0.16% 0.12% 0.20%	0.12%         0.16%           0.07%         0.09%           0.11%         0.13%           0.12%         0.16%           0.12%         0.16%           0.12%         0.11%           0.12%         0.11%           0.12%         0.11%           0.12%         0.11%           0.12%         0.11%           0.12%         0.11%           0.12%         0.14%           0.20%         0.16%           0.20%         0.16%           0.20%         0.17%           0.15%         0.22%           0.16%         0.14%           0.18%         0.32%           0.13%         0.22%           0.16%         0.19%           0.11%         0.17%           0.15%         0.20%           0.11%         0.17%           0.11%         0.17%           0.14%         0.17%           0.14%         0.17%           0.14%         0.17%           0.14%         0.17%           0.14%         0.17%           0.18%         0.20%	0.12%         0.16%         0.41%           0.07%         0.09%         0.29%           0.11%         0.13%         0.34%           0.12%         0.16%         0.35%           0.12%         0.16%         0.35%           0.12%         0.11%         0.36%           0.12%         0.11%         0.36%           0.12%         0.11%         0.36%           0.23%         0.20%         0.42%           0.16%         0.14%         0.33%           0.20%         0.16%         0.43%           0.20%         0.16%         0.43%           0.20%         0.16%         0.43%           0.20%         0.16%         0.43%           0.20%         0.17%         0.45%           0.17%         0.22%         0.51%           0.17%         0.22%         0.51%           0.16%         0.14%         0.56%           0.13%         0.22%         0.51%           0.16%         0.19%         0.41%           0.11%         0.17%         0.45%           0.15%         0.20%         0.39%           0.14%         0.17%         0.42% <td< td=""><td>0.12%         0.16%         0.41%         0.53%           0.07%         0.09%         0.29%         0.42%           0.11%         0.13%         0.34%         0.48%           0.12%         0.16%         0.35%         0.44%           0.12%         0.16%         0.35%         0.44%           0.12%         0.11%         0.36%         0.48%           0.12%         0.11%         0.36%         0.48%           0.12%         0.11%         0.36%         0.48%           0.23%         0.20%         0.42%         0.65%           0.16%         0.11%         0.54%         0.75%           0.12%         0.14%         0.33%         0.49%           0.20%         0.16%         0.43%         0.72%           0.20%         0.16%         0.43%         0.72%           0.20%         0.17%         0.45%         0.67%           0.17%         0.22%         0.51%         0.66%           0.17%         0.22%         0.51%         0.64%           0.11%         0.22%         0.51%         0.66%           0.18%         0.22%         0.51%         0.66%           0.18%         0.</td><td>0.12%         0.16%         0.41%         0.53%         0.60%           0.07%         0.09%         0.29%         0.42%         0.41%           0.11%         0.13%         0.34%         0.48%         0.43%           0.12%         0.16%         0.35%         0.44%         0.57%           0.12%         0.16%         0.35%         0.44%         0.57%           0.12%         0.11%         0.36%         0.48%         0.60%           0.12%         0.11%         0.36%         0.48%         0.60%           0.23%         0.20%         0.42%         0.65%         0.45%           0.16%         0.11%         0.54%         0.75%         0.69%           0.12%         0.14%         0.33%         0.49%         0.45%           0.20%         0.16%         0.43%         0.72%         0.58%           0.20%         0.16%         0.43%         0.72%         0.58%           0.20%         0.16%         0.43%         0.72%         0.58%           0.20%         0.17%         0.45%         0.67%         0.64%           0.17%         0.20%         0.42%         0.59%         0.52%           0.14%</td><td>0.12%         0.16%         0.41%         0.53%         0.60%         0.97%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.23%         0.20%         0.42%         0.65%         0.45%         0.78%           0.16%         0.11%         0.54%         0.75%         0.69%         1.03%           0.20%         0.14%         0.33%         0.49%         0.45%         0.85%           0.11%         0.22%         0.51%         0.67%         0.61%         0.97%           0.11%         0.22%         0.51%         0.67%         0.64%         0.85%</td><td>0.12%         0.16%         0.41%         0.53%         0.60%         0.97%         1.41%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%         1.23%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%         1.26%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%         1.35%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%           0.23%         0.20%         0.42%         0.65%         0.45%         0.78%         1.20%           0.16%         0.11%         0.54%         0.75%         0.69%         1.03%         1.40%           0.12%         0.14%         0.33%         0.49%         0.45%         0.85%         1.25%           0.20%         0.16%         0.43%         0.72%         0.58%         0.91%         1.29%           0.20%         0.41%         &lt;</td><td>0.12%         0.16%         0.41%         0.53%         0.60%         0.97%         1.41%         1.65%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%         1.23%         1.56%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%         1.26%         1.55%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%         1.35%         1.52%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%         1.66%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%         1.66%           0.12%         0.11%         0.36%         0.45%         0.78%         1.20%         1.48%           0.16%         0.42%         0.65%         0.45%         0.78%         1.20%         1.48%           0.16%         0.11%         0.54%         0.75%         0.69%         1.03%         1.40%         1.66%           0.20%         0.16%         0.42%         0.59%         0.85%         1.16%         1.42%           0.16%         0.22%         0.51%</td><td>0.12%         0.16%         0.41%         0.53%         0.60%         0.97%         1.41%         1.65%         1.81%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%         1.23%         1.56%         1.76%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%         1.26%         1.55%         1.78%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%         1.35%         1.52%         1.68%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%         1.66%         1.87%           0.12%         0.11%         0.36%         0.45%         0.78%         1.20%         1.48%         1.69%           0.23%         0.20%         0.42%         0.65%         0.45%         0.78%         1.20%         1.46%         1.69%           0.16%         0.14%         0.75%         0.69%         1.03%         1.40%         1.64%         1.79%           0.12%         0.14%         0.54%         0.75%         0.85%         1.25%         1.46%         1.67%           0.20%         0.16%         0.43%</td></td<>	0.12%         0.16%         0.41%         0.53%           0.07%         0.09%         0.29%         0.42%           0.11%         0.13%         0.34%         0.48%           0.12%         0.16%         0.35%         0.44%           0.12%         0.16%         0.35%         0.44%           0.12%         0.11%         0.36%         0.48%           0.12%         0.11%         0.36%         0.48%           0.12%         0.11%         0.36%         0.48%           0.23%         0.20%         0.42%         0.65%           0.16%         0.11%         0.54%         0.75%           0.12%         0.14%         0.33%         0.49%           0.20%         0.16%         0.43%         0.72%           0.20%         0.16%         0.43%         0.72%           0.20%         0.17%         0.45%         0.67%           0.17%         0.22%         0.51%         0.66%           0.17%         0.22%         0.51%         0.64%           0.11%         0.22%         0.51%         0.66%           0.18%         0.22%         0.51%         0.66%           0.18%         0.	0.12%         0.16%         0.41%         0.53%         0.60%           0.07%         0.09%         0.29%         0.42%         0.41%           0.11%         0.13%         0.34%         0.48%         0.43%           0.12%         0.16%         0.35%         0.44%         0.57%           0.12%         0.16%         0.35%         0.44%         0.57%           0.12%         0.11%         0.36%         0.48%         0.60%           0.12%         0.11%         0.36%         0.48%         0.60%           0.23%         0.20%         0.42%         0.65%         0.45%           0.16%         0.11%         0.54%         0.75%         0.69%           0.12%         0.14%         0.33%         0.49%         0.45%           0.20%         0.16%         0.43%         0.72%         0.58%           0.20%         0.16%         0.43%         0.72%         0.58%           0.20%         0.16%         0.43%         0.72%         0.58%           0.20%         0.17%         0.45%         0.67%         0.64%           0.17%         0.20%         0.42%         0.59%         0.52%           0.14%	0.12%         0.16%         0.41%         0.53%         0.60%         0.97%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%           0.23%         0.20%         0.42%         0.65%         0.45%         0.78%           0.16%         0.11%         0.54%         0.75%         0.69%         1.03%           0.20%         0.14%         0.33%         0.49%         0.45%         0.85%           0.11%         0.22%         0.51%         0.67%         0.61%         0.97%           0.11%         0.22%         0.51%         0.67%         0.64%         0.85%	0.12%         0.16%         0.41%         0.53%         0.60%         0.97%         1.41%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%         1.23%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%         1.26%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%         1.35%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%           0.23%         0.20%         0.42%         0.65%         0.45%         0.78%         1.20%           0.16%         0.11%         0.54%         0.75%         0.69%         1.03%         1.40%           0.12%         0.14%         0.33%         0.49%         0.45%         0.85%         1.25%           0.20%         0.16%         0.43%         0.72%         0.58%         0.91%         1.29%           0.20%         0.41%         <	0.12%         0.16%         0.41%         0.53%         0.60%         0.97%         1.41%         1.65%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%         1.23%         1.56%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%         1.26%         1.55%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%         1.35%         1.52%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%         1.66%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%         1.66%           0.12%         0.11%         0.36%         0.45%         0.78%         1.20%         1.48%           0.16%         0.42%         0.65%         0.45%         0.78%         1.20%         1.48%           0.16%         0.11%         0.54%         0.75%         0.69%         1.03%         1.40%         1.66%           0.20%         0.16%         0.42%         0.59%         0.85%         1.16%         1.42%           0.16%         0.22%         0.51%	0.12%         0.16%         0.41%         0.53%         0.60%         0.97%         1.41%         1.65%         1.81%           0.07%         0.09%         0.29%         0.42%         0.41%         0.82%         1.23%         1.56%         1.76%           0.11%         0.13%         0.34%         0.48%         0.43%         0.77%         1.26%         1.55%         1.78%           0.12%         0.16%         0.35%         0.44%         0.57%         1.04%         1.35%         1.52%         1.68%           0.12%         0.11%         0.36%         0.48%         0.60%         0.95%         1.41%         1.66%         1.87%           0.12%         0.11%         0.36%         0.45%         0.78%         1.20%         1.48%         1.69%           0.23%         0.20%         0.42%         0.65%         0.45%         0.78%         1.20%         1.46%         1.69%           0.16%         0.14%         0.75%         0.69%         1.03%         1.40%         1.64%         1.79%           0.12%         0.14%         0.54%         0.75%         0.85%         1.25%         1.46%         1.67%           0.20%         0.16%         0.43%

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Market Analysis

Regulatory Expert

30 November 2019

CREDITUNION RATE SURVEY

#### RATE SENSITIVITY AND PRICING SPREAD ANALYSIS

Business & Industry Consulting

								D 4 75 65		. <b>.</b>	1	
				YTD CH	-	CYCLICAL	CHANGE		NSITIVITY	, L		Yie
	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%	3.49%	-0.05%	0.23%	-0.17%	1.09%	-1.26%	13%		Р	rime
60Mo Vehicle Loan	3.78%	3.65%	3.61%	-0.04%	0.33%	-0.17%	1.15%	-1.32%	13%		FI	Fds
15Yr FR Mortgage	4.58%	4.46%	3.57%	-0.88%	-0.28%	-1.01%	0.33%	-1.34%	75%		1	m
30Yr FR Mortgage	5.06%	4.89%	4.01%	-0.88%	-0.26%	-1.05%	0.32%	-1.37%	76%		3r	n
											6n	n
hare Rates-											12r	n
Share Draft	0.14%	0.13%	0.15%	0.02%	-0.21%	0.01%	0.88%	-0.87%	-1%		2y	r
Regular Savings	0.19%	0.18%	0.19%	0.01%	-0.22%	0.00%	0.87%	-0.87%	0%		3y	r
Money Mkt Shares	0.65%	0.60%	0.62%	0.02%	-0.21%	-0.03%	0.84%	-0.87%	3%		4y	r
											5y	r
6Mo Certificate	1.05%	0.93%	0.99%	0.06%	-0.04%	-0.06%	0.85%	-0.91%	7%		7y	r
1Yr Certificate	1.53%	1.41%	1.41%	0.00%	0.16%	-0.12%	1.00%	-1.12%	11%		10	/r
2Yr Certificate	1.86%	1.75%	1.65%	-0.10%	0.18%	-0.21%	1.05%	-1.26%	17%			
3Yr Certificate	2.25%	1.99%	1.96%	-0.03%	0.34%	-0.29%	1.03%	-1.32%	22%			

Strategic Solutions

	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	6.70%	4.56%	1.88%	2.00%	2.32%	2.07%	2.17%	0.30%	0.55%	1.84%	2.23%
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	spicuus	-1.41%	-1.37%	-1.10%	-0.94%	-1.00%	-0.64%	-0.19%	0.04%	0.35%	0.52%
Benchmarks:		FedFds	FedFds	FedFds	FedFds	3Mo UST	6Mo UST	1Yr UST	2Yr UST	3Yr UST	3Yr UST

#### **12 MONTH NATIONAL MARKET RATE HISTORY**

	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
Fed Funds	2.20%	2.40%	2.40%	2.40%	2.43%	2.43%	2.40%	2.40%	2.40%	2.12%	1.83%	1.58%	1.56%
1yr UST	2.72%	2.63%	2.55%	2.54%	2.40%	2.40%	2.21%	1.92%	2.10%	1.78%	1.75%	1.53%	1.60%
2yr UST	2.83%	2.48%	2.45%	2.55%	2.27%	2.27%	1.95%	1.75%	2.00%	1.50%	1.63%	1.52%	1.61%
3yr UST	2.84%	2.46%	2.43%	2.52%	2.21%	2.21%	1.90%	1.71%	1.89%	1.42%	1.56%	1.52%	1.61%
7yr UST	2.90%	2.59%	2.51%	2.63%	2.31%	2.31%	2.03%	1.76%	2.91%	1.45%	1.62%	1.60%	1.73%
10yr UST	2.98%	2.69%	2.63%	2.72%	2.41%	2.41%	2.14%	2.00%	2.02%	1.50%	1.68%	1.69%	1.78%
5yr Vehicle	3.59%	3.65%	3.73%	3.77%	3.78%	3.78%	3.76%	3.75%	3.72%	3.69%	3.66%	3.62%	3.61%
15yr FLM	4.58%	4.46%	4.29%	4.21%	4.10%	4.10%	3.90%	3.75%	3.66%	3.54%	3.58%	3.56%	3.57%
30yr FLM	5.06%	4.89%	4.74%	4.67%	4.53%	4.53%	4.33%	4.18%	4.12%	3.96%	3.99%	4.01%	4.01%
Reg Savings	0.18%	0.18%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.18%	0.19%
MoneyMkt	0.58%	0.60%	0.63%	0.65%	0.66%	0.66%	0.67%	0.67%	0.67%	0.66%	0.65%	0.63%	0.62%
1yr CD	1.37%	1.41%	1.47%	1.50%	1.52%	1.52%	1.53%	1.53%	1.51%	1.49%	1.47%	1.43%	1.41%
2yr CD	1.71%	1.75%	1.81%	1.84%	1.85%	1.85%	1.86%	1.85%	1.82%	1.78%	1.74%	1.68%	1.65%

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Business & Industry Consulting

Market Analysis

Strategic Solutions Financial Investments

Risk Management Regulatory Expert

CREDITION RATE SURVEY

#### 30 November 2019

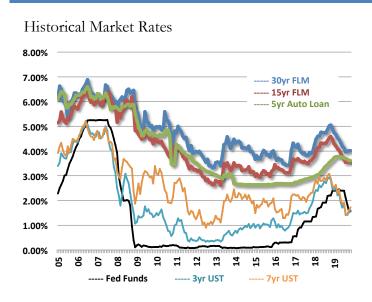
HISTORICAL	NATIONAL	. MARKET F	PRICING SP	READS									
	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
5yr Vehicle	0.75%	1.19%	1.30%	1.25%	1.57%	1.57%	1.86%	2.04%	1.83%	2.27%	2.10%	2.10%	2.00%
Benchmarks:	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST	3Yr UST
15yr FLM	1.68%	1.87%	1.78%	1.58%	1.79%	1.79%	1.87%	1.99%	0.75%	2.09%	1.96%	1.96%	1.84%
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	2.08%	2.20%	2.11%	1.95%	2.12%	2.12%	2.19%	2.18%	2.10%	2.46%	2.31%	2.32%	2.23%
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	-2.02%	-2.22%	-2.21%	-2.21%	-2.24%	-2.24%	-2.21%	-2.21%	-2.21%	-1.93%	-1.64%	-1.40%	-1.37%
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	-1.62%	-1.80%	-1.77%	-1.75%	-1.77%	-1.77%	-1.73%	-1.73%	-1.73%	-1.46%	-1.18%	-0.95%	-0.94%
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	-1.35%	-1.22%	-1.08%	-1.04%	-0.88%	-0.88%	-0.68%	-0.39%	-0.59%	-0.29%	-0.28%	-0.10%	-0.19%
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	-1.12%	-0.73%	-0.64%	-0.71%	-0.42%	-0.42%	-0.09%	0.10%	-0.18%	0.28%	0.11%	0.16%	0.04%
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

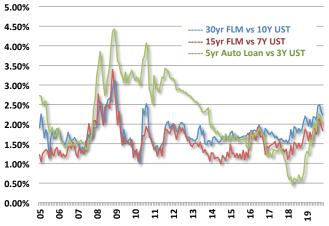
	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19
5yr Vehicle													
vs Reg Svgs	3.41%	3.47%	3.54%	3.58%	3.59%	3.59%	3.57%	3.56%	3.53%	3.50%	3.47%	3.44%	3.42%
vs MMkt	3.01%	3.05%	3.10%	3.12%	3.12%	3.12%	3.09%	3.08%	3.05%	3.03%	3.01%	2.99%	2.99%
vs 1yr CD	2.22%	2.24%	2.26%	2.27%	2.26%	2.26%	2.23%	2.22%	2.21%	2.20%	2.19%	2.19%	2.20%
vs 2yr CD	1.88%	1.90%	1.92%	1.93%	1.93%	1.93%	1.90%	1.90%	1.90%	1.91%	1.92%	1.94%	1.96%
15yr FLM													
vs Reg Svgs	4.40%	4.28%	4.10%	4.02%	3.91%	3.91%	3.71%	3.56%	3.47%	3.35%	3.39%	3.38%	3.38%
vs MMkt	4.00%	3.86%	3.66%	3.56%	3.44%	3.44%	3.23%	3.08%	2.99%	2.88%	2.93%	2.93%	2.95%
vs 1yr CD	3.21%	3.05%	2.82%	2.71%	2.58%	2.58%	2.37%	2.22%	2.15%	2.05%	2.11%	2.13%	2.16%
vs 2yr CD	2.87%	2.71%	2.48%	2.37%	2.25%	2.25%	2.04%	1.90%	1.84%	1.76%	1.84%	1.88%	1.92%
30yr FLM													
vs Reg Svgs	4.88%	4.71%	4.55%	4.48%	4.34%	4.34%	4.14%	3.99%	3.93%	3.77%	3.80%	3.83%	3.82%
vs MMkt	4.48%	4.29%	4.11%	4.02%	3.87%	3.87%	3.66%	3.51%	3.45%	3.30%	3.34%	3.38%	3.39%
vs 1yr CD	3.69%	3.48%	3.27%	3.17%	3.01%	3.01%	2.80%	2.65%	2.61%	2.47%	2.52%	2.58%	2.60%
vs 2yr CD	3.35%	3.14%	2.93%	2.83%	2.68%	2.68%	2.47%	2.33%	2.30%	2.18%	2.25%	2.33%	2.36%

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#### 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	4.96%	4.22%	5.63%	3.70%
3-year Agency Call	2.67%	3 Years	2 Years	Need to Yield at Least	6.03%	4.93%	-	-
4-year Agency Call	2.98%	4 Years	1 Year	Need to Yield at Least	8.15%	5.95%	-	-
3-year MBS/CMO	2.83%	3 Years	2 Years	Need to Yield at Least	5.79%	4.69%	-	-
4-year MBS/CMO	3.15%	4 Years	1 Year	Need to Yield at Least	7.47%	5.27%	-	-
5-year Vehicle Loan	3.61%	3 Years	2 Years	Need to Yield at Least	4.62%	3.52%	-	-
15-year FR FLM	3.57%	5 Years	-	Need to Yield at Least	-	-	-	-
30-year FR FLM	4.01%	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
Fod Funds (Assumes 129/ Short term Funding Datio)	12 000	1.56%	187	0.09%
Fed Funds (Assumes 12% Short-term Funding Ratio)	12,000	1.50%	187	0.09%
3 year Agency Callable	7,011	2.67%	187	0.09%
3 year Agency MBS	6,615	2.83%	187	0.09%
4 year Agency Callable	6,282	2.98%	187	0.09%
4 year Agency MBS	<mark>5,943</mark>	3.15%	187	0.09%
5 Year Vehicle Loan	5,186	3.61%	187	0.09%
15 Year FR FLM	5,239	3.57%	187	0.09%
30 Year FR FLM	4,665	4.01%	187	0.09%

Business & Industry Consulting

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Market Analysis

30 November 2019

UNION RATE SURVEY

CREDI

**Financial Investments** 

	Ber	chmark Ra	ates	M	arket Rate	s	Rate
	Beginning	Ending	Change	Beginning	Ending	Change	Sensiti
EARNING ASSETS							
2016 - 2018 (Rising) Credit Cards	3.50%	5.50%	2.00%	11.19%	11.71%	0.52%	26%
	0.82%	2.93%	2.00%			1.10%	52%
5yr Vehicle Loans HE LOC	0.82% 3.50%	2.93% 5.50%	2.11%	2.68% 4.01%	3.78%	1.56%	789
					5.57%		
15yr FR FLM	1.31% 1.52%	3.07% 3.15%	1.76% 1.63%	3.14% 3.69%	4.58% 5.06%	1.44%	82%
30yr FR FLM	1.52%	3.15%	1.03%	3.69%	5.06%	1.37%	84%
2018 - Present (Falling)							
Credit Cards	5.50%	4.75%	-0.75%	11.71%	11.45%	-0.26%	35%
5yr Vehicle Loans	2.93%	1.61%	-1.32%	3.78%	3.61%	-0.17%	13%
HE LOC	5.50%	4.75%	-0.75%	5.57%	5.05%	-0.52%	69%
15yr FR FLM	3.07%	1.73%	-1.34%	4.58%	3.57%	-1.01%	75%
30yr FR FLM	3.15%	1.78%	-1.37%	5.06%	4.01%	-1.05%	76%
FUNDING OBLIGATIONS							
2016 - 2018 (Rising)	0.25%	2 43%	2 1 9 %	L 0 11%	0 14%	0.03%	40/
2016 - 2018 (Rising) Share Drafts	0.25%	2.43% 2.43%	2.18%	0.11%	0.14%	0.03%	1%
2016 - 2018 (Rising) Share Drafts Regular Savings	0.25%	2.43%	2.18%	0.14%	0.19%	0.05%	2%
2016 - 2018 (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%
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 - 2018 (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 - 2018 (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 - 2018 (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% 49%
2016 - 2018 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate 2yr Certificate 2yr Certificate	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 - 2018 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate 2yr Certificate 2yr Certificate 2018 - Present (Falling) Share Drafts	0.25% 0.25% 0.50% 0.67% 2.43%	2.43% 2.43% 2.72% 2.87% 1.56%	2.18% 2.18% 2.22% 2.20%	0.14% 0.31% 0.53% 0.78%	0.19% 0.67% 1.53% 1.86% 0.15%	0.05% 0.36% 1.00% 1.08% 0.01%	2% 17% 45% 49%
2016 - 2018 (Rising) Share Drafts Regular Savings Money Market 1yr Certificate 2yr Certificate 2018 - 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% 1.56% 1.56%	2.18% 2.18% 2.22% 2.20% -0.87% -0.87%	0.14% 0.31% 0.53% 0.78% 0.14% 0.19%	0.19% 0.67% 1.53% 1.86% 0.15% 0.19%	0.05% 0.36% 1.00% 1.08% 0.01% 0.00%	2% 17% 45% 49% -1%

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