

The Current Economic Environment

How It May Impact Your Credit Union's Liquidity

&

Asset Liability Management

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2019 ECONOMIC OUTLOOK

How Much Longer Can the Second Longest Economic Expansion on Record Last?

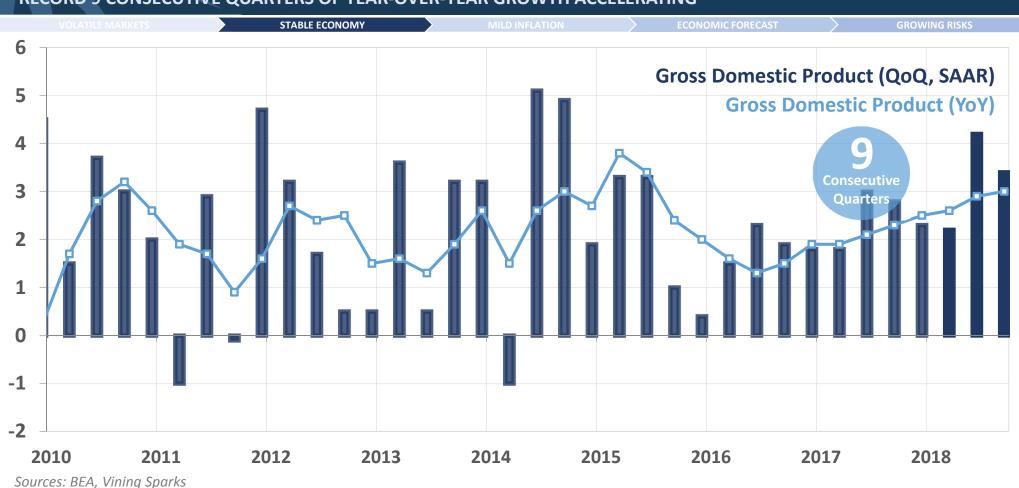
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UNPRECEDENTED ACCELERATION



RECORD 9 CONSECUTIVE QUARTERS OF YEAR-OVER-YEAR GROWTH ACCELERATING



Sources. BLA, Villing Spair

HISTORIC JOB GROWTH CONTINUES VINING



NONFARM PAYROLLS HAVE NOW EXPANDED FOR 99 CONSECUTIVE MONTHS, A MODERN ERA RECORD



LABOR MARKET REMAINS HOT



PAYROLL GROWTH AVERAGED 220K IN 2018 AND THE UNEMPLOYMENT RATE DROPPED AS LOW AS 3.69%

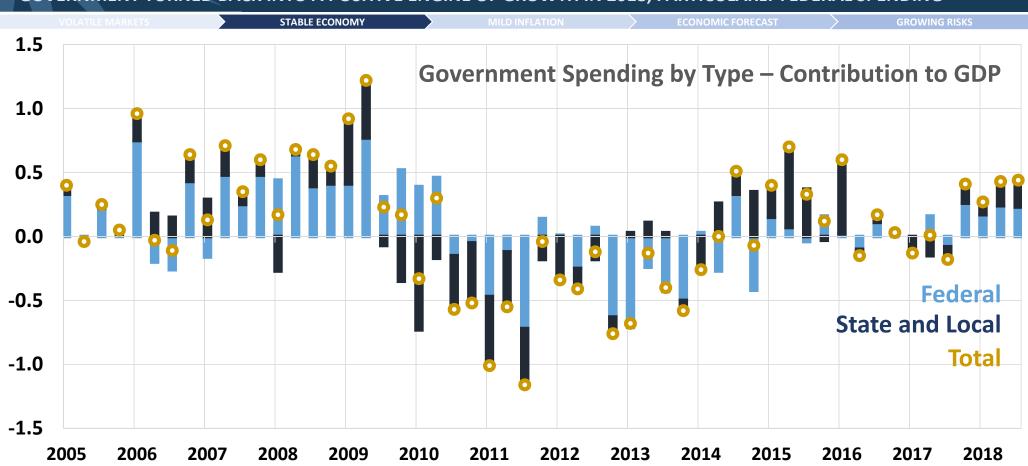


Sources: BLS, FOMC SEP Projections, Vining Sparks

GOVERNMENT SPENDING A



GOVERNMENT TURNED BACK INTO A POSITIVE ENGINE OF GROWTH IN 2018, PARTICULARLY FEDERAL SPENDING

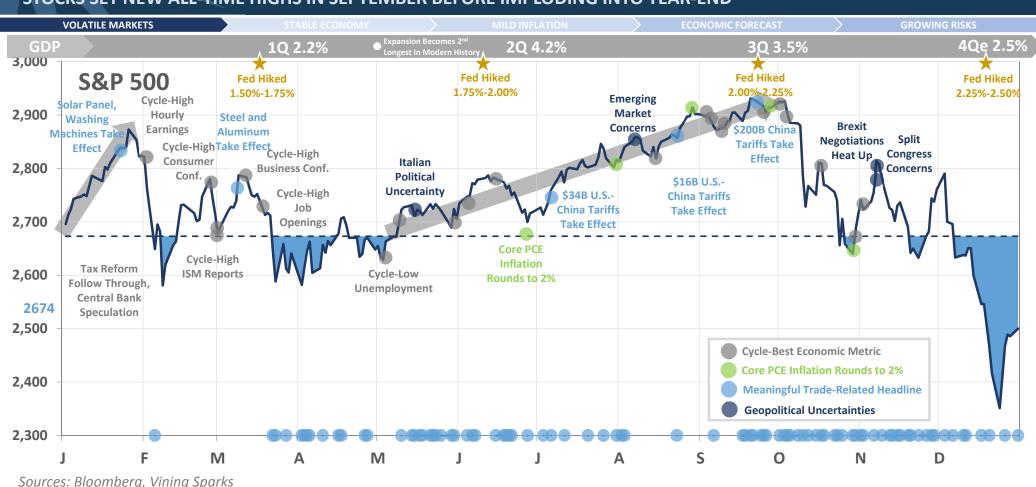


Sources: BEA, Vining Sparks

STOCKS SLIDE INTO YEAR-END



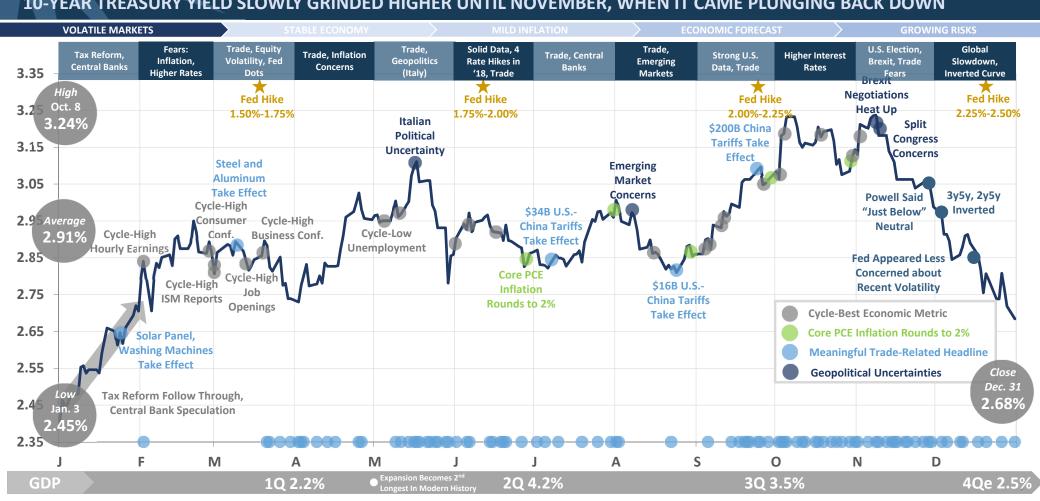
STOCKS SET NEW ALL-TIME HIGHS IN SEPTEMBER BEFORE IMPLODING INTO YEAR-END



TREASURY YIELDS GRIND HIGHER VINING NO SPARKS



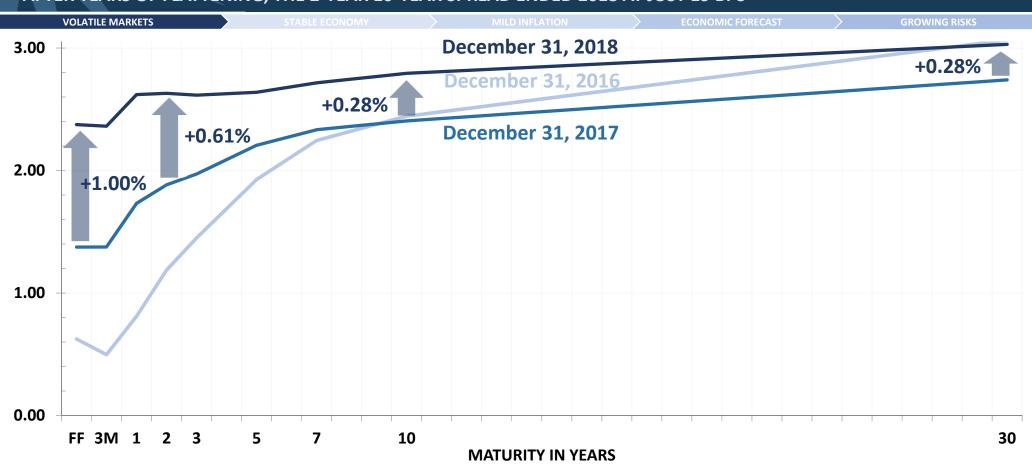
10-YEAR TREASURY YIELD SLOWLY GRINDED HIGHER UNTIL NOVEMBER, WHEN IT CAME PLUNGING BACK DOWN



YIELD CURVE FLATTENS FURTHER



AFTER YEARS OF FLATTENING, THE 2-YEAR 10-YEAR SPREAD ENDED 2018 AT JUST 19 BPS

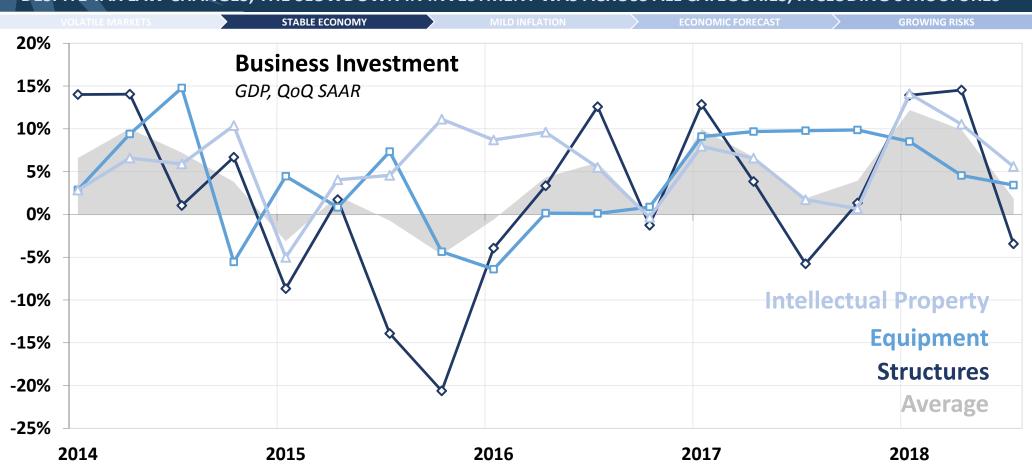


Sources: Bloomberg, Vining Sparks

BUSINESS INVESTMENT SLOWS



DESPITE TAX LAW CHANGES, THE SLOWDOWN IN INVESTMENT WAS ACROSS ALL CATEGORIES, INCLUDING STRUCTURES

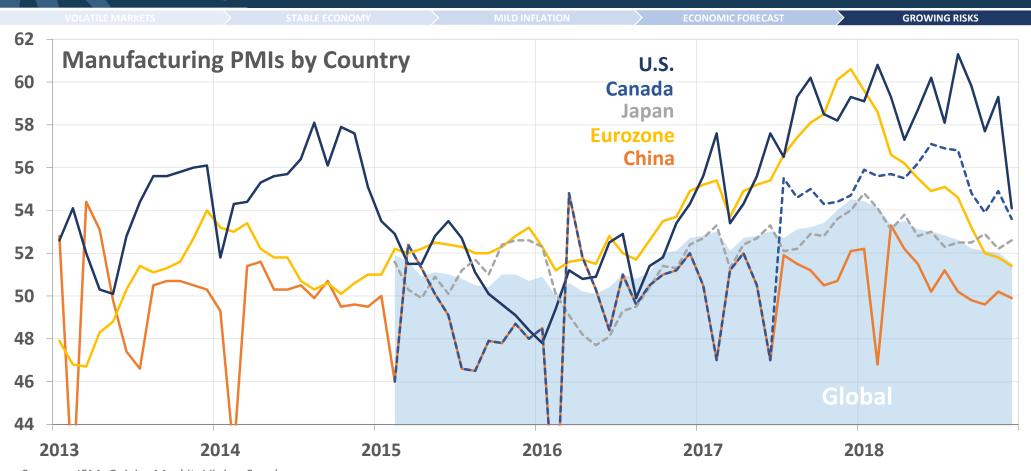


Sources: BEA, Vining Sparks

TRADE TENSIONS HITTING PMIS



TRADE TENSIONS TOOK A TOLL ON THE MANUFACTURING OUTLOOK FOR EVERY MAJOR ECONOMY

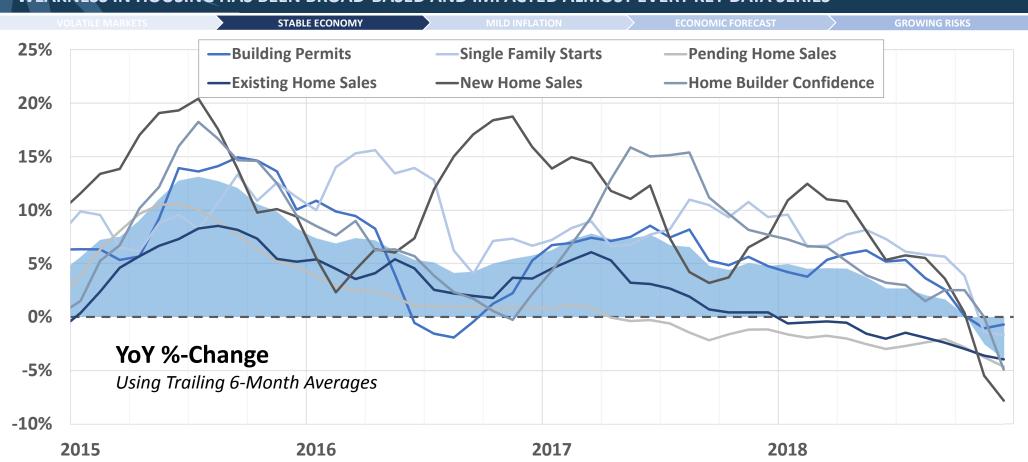


Sources: ISM, Caixin, Markit, Vining Sparks

HOME SALES HAVE SLOWED



WEAKNESS IN HOUSING HAS BEEN BROAD-BASED AND IMPACTED ALMOST EVERY KEY DATA SERIES



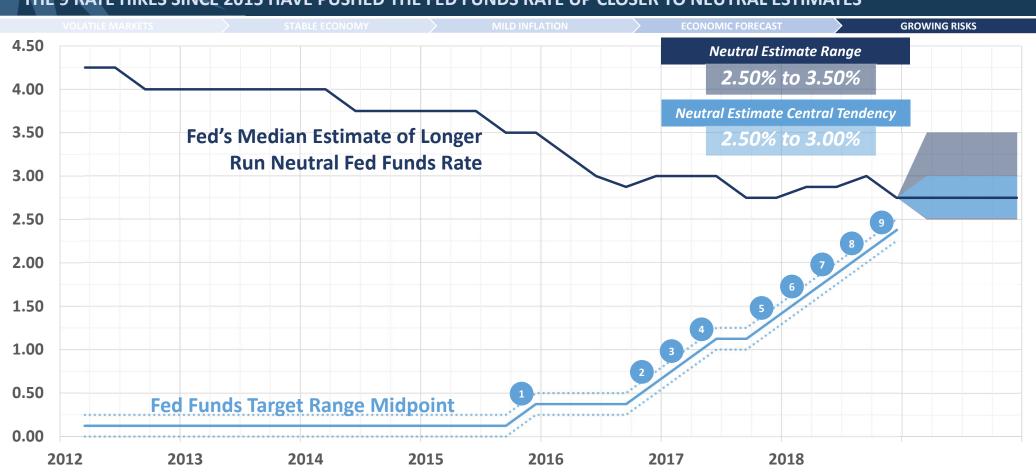
Sources: U.S. Census Bureau, NAR, NAHB, Vining Sparks

FED POLICY CLOSER TO NEUTRAL



SPARKS

THE 9 RATE HIKES SINCE 2015 HAVE PUSHED THE FED FUNDS RATE UP CLOSER TO NEUTRAL ESTIMATES

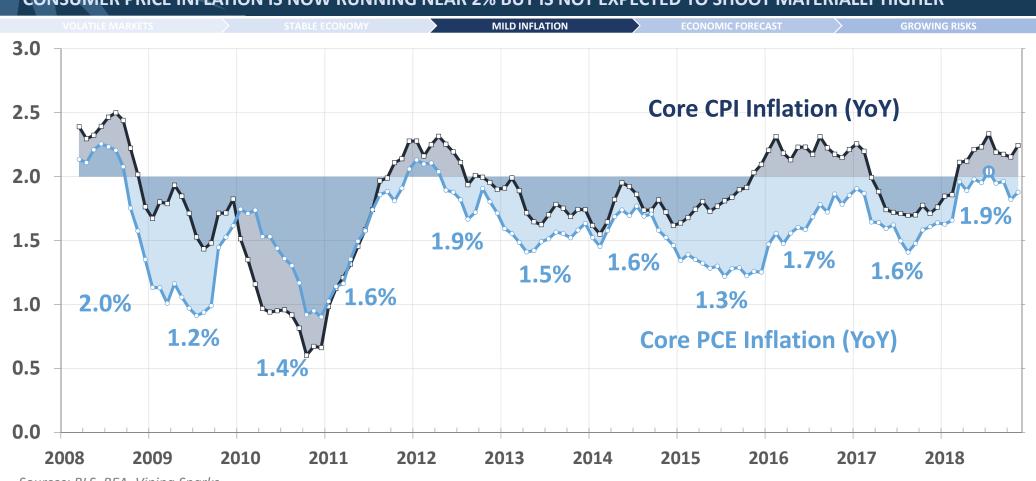


Sources: Bloomberg, Federal Reserve December SEP, Vining Sparks

INFLATION NEAR TARGET



CONSUMER PRICE INFLATION IS NOW RUNNING NEAR 2% BUT IS NOT EXPECTED TO SHOOT MATERIALLY HIGHER



Sources: BLS, BEA, Vining Sparks

FED AND FUTURES RATE FORECASTS VINING



THERE REMAINS A DIVERGENCE BETWEEN THE FED'S MEDIAN RATE FORECAST AND WHAT MARKETS EXPECT



Source: Bloomberg, Federal Reserve SEPs

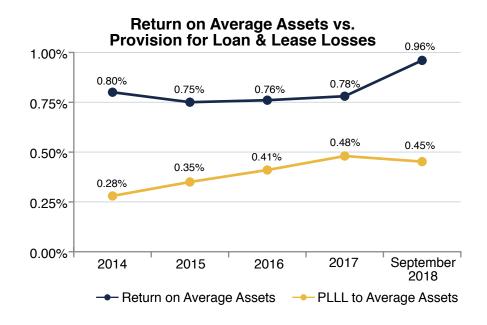


Loan Yields & Cost of Funds

NCUA FINANCIAL TRENDS IN FEDERALLY INSURED CREDIT UNIONS - SEPT. 30, 2018

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Earnings

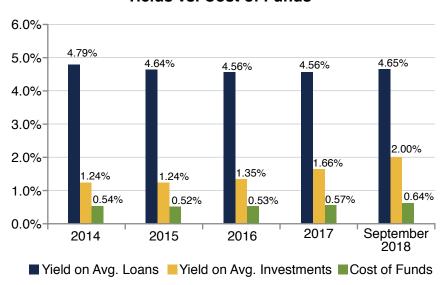


Ratio of Average Assets

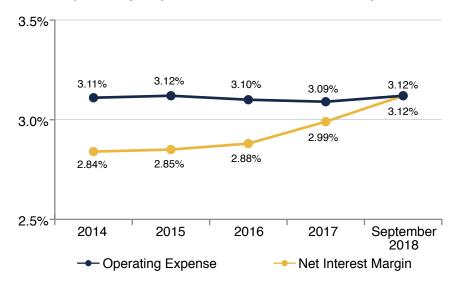
Ratio (% of Average Assets)	December 2017	September 2018	Effect on ROA
Net Interest Margin	2.99%	3.12%	0.13 bp
+ Fee & Other Inc.	1.33%	1.38%	0.05 bp
- Operating Expenses	3.09%	3.12%	-0.03 bp
- PLLL	0.48%	0.45%	0.03 bp
+ Non-Operating Income	0.03%	0.03%	0.00 bp
= ROA	0.78%	0.96%	0.18 bp

Numbers may not add up due to rounding.

Yields vs. Cost of Funds



Operating Expenses vs. Net Interest Margin



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Share Rates Slow to Increase

The beta on share rates has been very low over the last 3 years as the Fed has increased rates 9 times or 225bps. Higher beta sensitivities are expected if the Fed continues raising rates.

Asset Distribution	Sep-18	Sep-15	Change	Cycle Beta
All Credit Unions	0.30%	0.27%	0.03%	1.50%
\$20M to \$150M FL CUs	0.29%	0.28%	0.01%	0.50%
\$20 to \$150M CUs	0.28%	0.26%	0.02%	1.00%
Fed Fund Target	2.25%	0.25%	2.00%	
Asset Distribution	Sep-18	Jun-18	Change	Current Beta
Asset Distribution All Credit Unions	Sep-18 0.30%	Jun-18 0.29%	Change 0.01%	Current Beta 4.00%
All Credit Unions	0.30%	0.29%	0.01%	4.00%

Share and Loan Ratios	Sep-15	Dec-17	Jun-18	Sep-18
(2) Interest Expense	0.27	0.28	0.29	0.30
(76) Rate on Share Drafts	0.00	0.00	0.00	0.00
(77) Rate on Money Mkt Shares	0.04	0.05	0.05	0.05
(78) Rate on Regular Shares	0.14	0.15	0.15	0.15
(79) Rate on 1yr Share Certs	0.45	0.57	0.70	0.80
(80) Rate on IRA/KEOGHS	0.30	0.32	0.35	0.40

Source: NCUA 5300 Call Report (all CUs) VININ

Loan Rates Have Not Increased With Prime

Share and Loan Ratios	Sep-15	Dec-17	Jun-18	Sep-18
(67) Yield on Loans	5.38	5.19	5.13	5.17
(81) Rate on Credit Card Lns	8.90	8.99	8.99	9.00
(82) Rate on Unsecured Lns	10.96	10.92	10.97	10.99
(83) Rate on New Vehicle Lns	3.42	3.41	3.50	3.62
(84) Rate on Used Vehicle Lns	4.50	4.50	4.56	4.69

Source: NCUA 5300 Call Report (all CUs)

Share and Loan Ratios	Sep-15	Dec-17	Jun-18	Sep-18
(67) Yield on Loans	5.30	5.14	5.08	5.11
(81) Rate on Credit Card Lns	9.90	9.90	9.90	9.90
(82) Rate on Unsecured Lns	10.86	10.87	10.90	10.90
(83) Rate on New Vehicle Lns	3.41	3.40	3.49	3.58
(84) Rate on Used Vehicle Lns	4.49	4.40	4.50	4.51

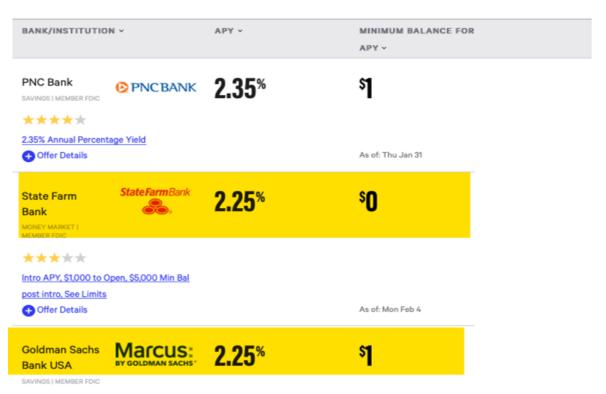
Source: NCUA 5300 Call Report (\$20M to \$150M CUs)



Bankrate¹

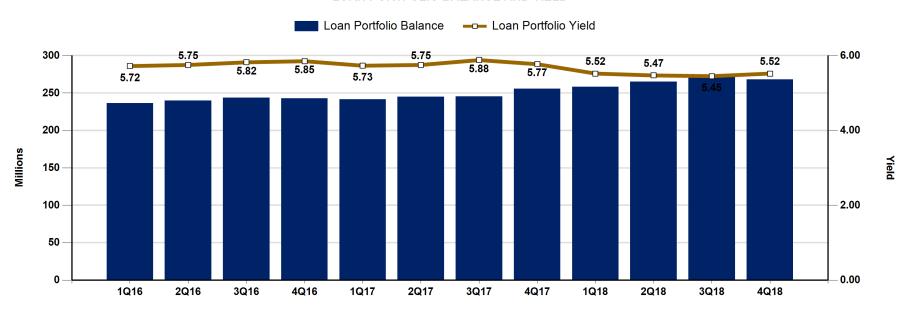
Best Online Savings Accounts for February 2019

As of Monday, February 4, 2019:

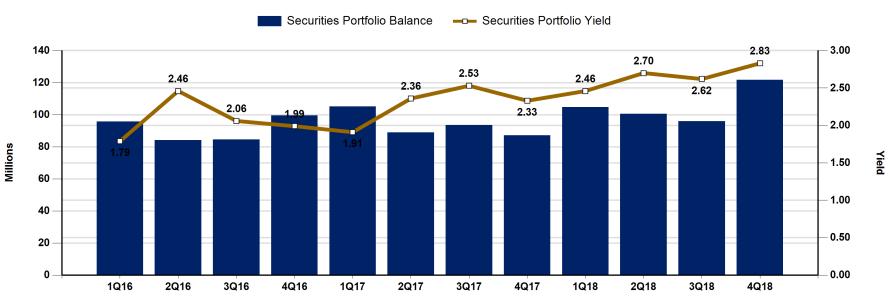


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LOAN PORTFOLIO BALANCE AND YIELD

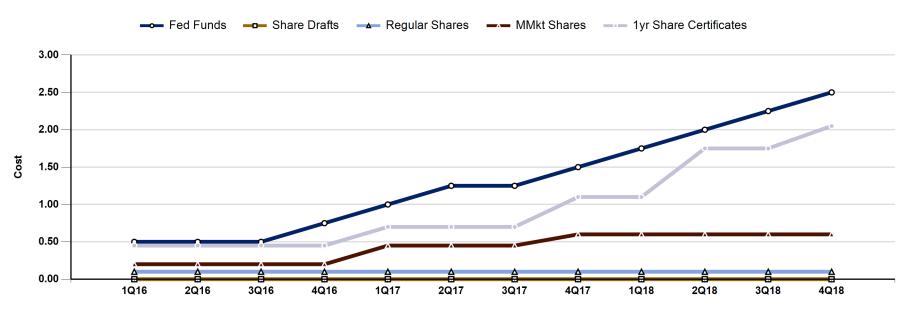


INVESTMENT PORTFOLIO BALANCE AND YIELD

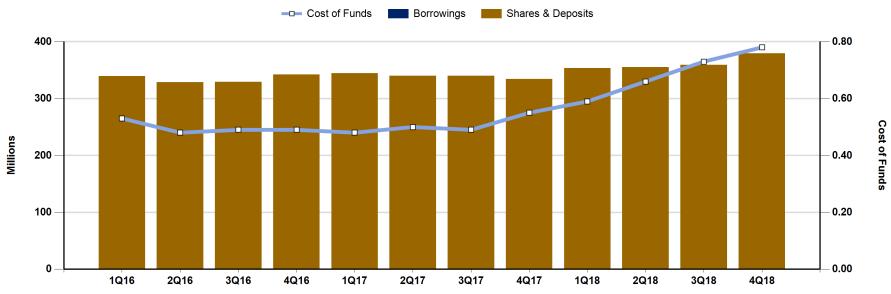




HISTORICAL ACCOUNT COST AND FED FUNDS

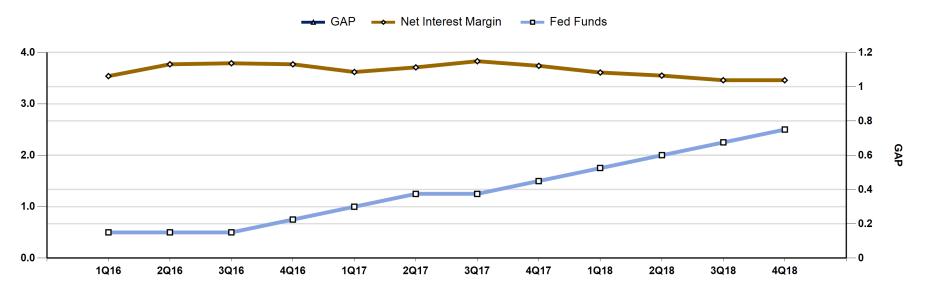


FUNDING BALANCES AND COST OF FUNDS

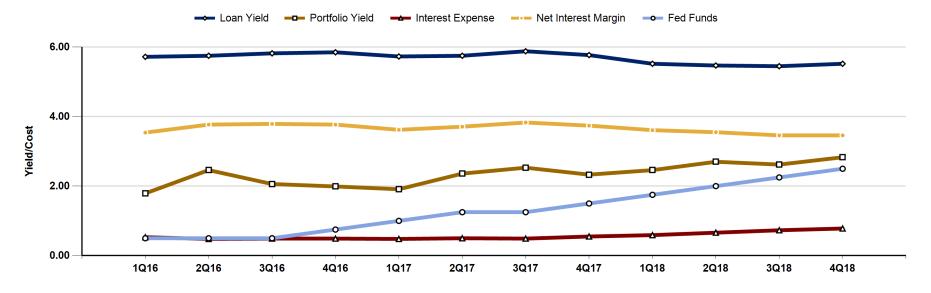




GAP, NET INTEREST MARGIN, AND FED FUNDS

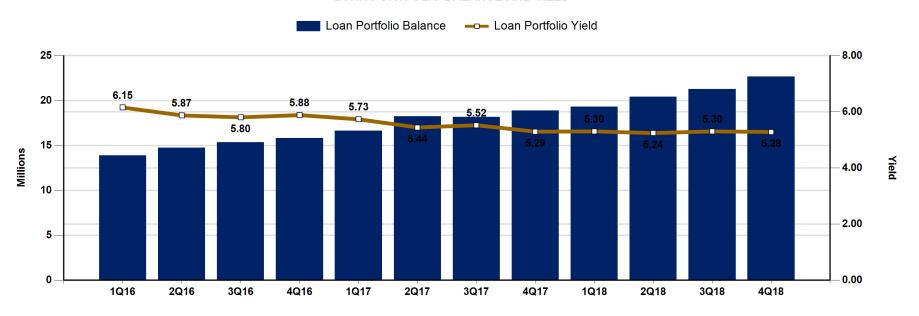


NET INTEREST MARGIN TRENDS

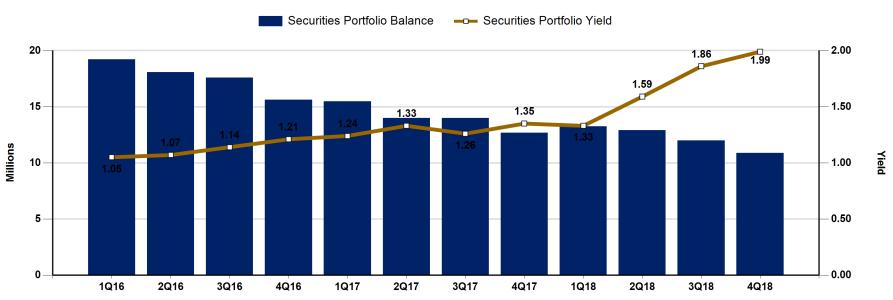




LOAN PORTFOLIO BALANCE AND YIELD

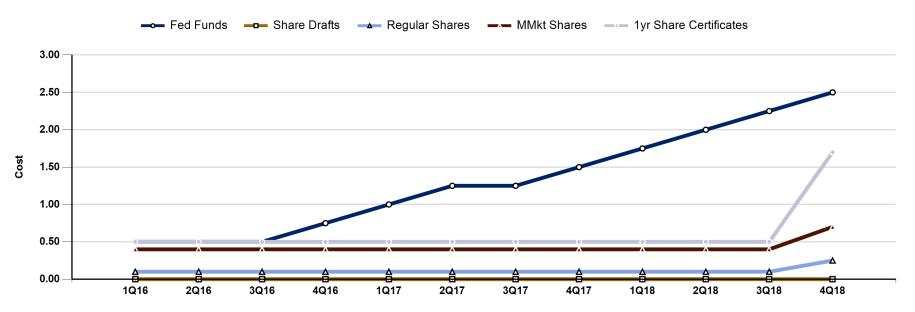


INVESTMENT PORTFOLIO BALANCE AND YIELD

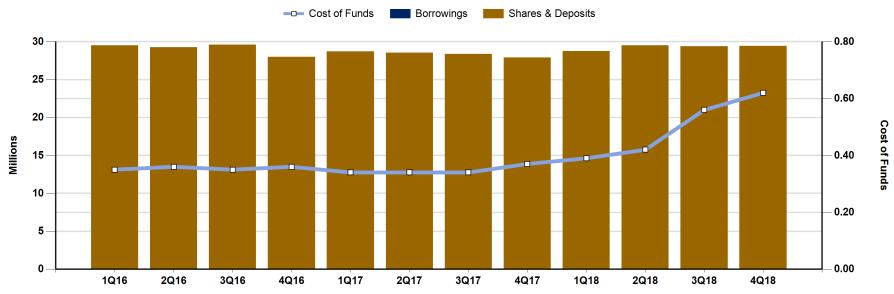




HISTORICAL ACCOUNT COST AND FED FUNDS

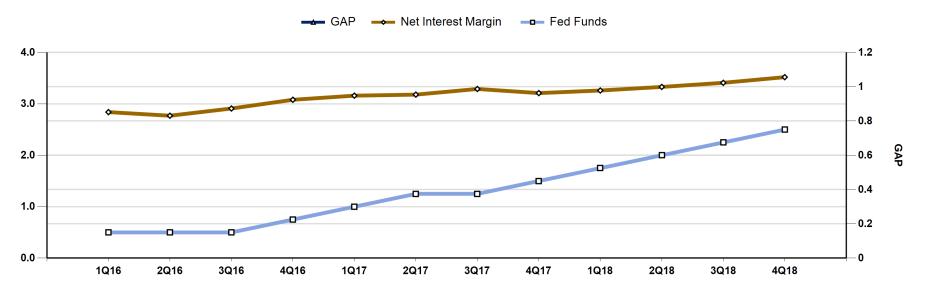


FUNDING BALANCES AND COST OF FUNDS

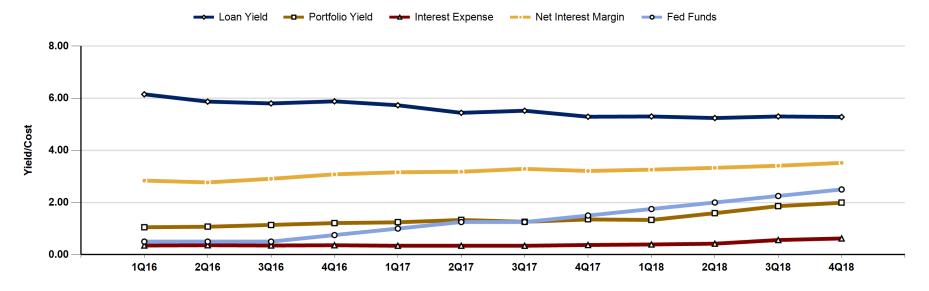




GAP, NET INTEREST MARGIN, AND FED FUNDS



NET INTEREST MARGIN TRENDS





	Yields Down 100 Basis Points			
	Balance Sheet Gap ¹	ECR ²	Income Statement Gap³	
Rate Sensitive Assets	А	В	AXB	
Loans				
Fixed Rate	8,786	100%	8,786	
Floating Rate	183	100%	183	
Fixed-Rate Securities (Principal Cashflows)				
CDs	4,248	100%	4,248	
Securities (Floating Rate)				
Total Cash on Deposit	841	100%	841	
Total Rate Sensitive Assets	14,058		14,058	
Rate Sensitive Liabilities	А	В	AXB	
Share Drafts (48%)	3,410	10%	341	
Regular Drafts (42%)	9,126	28%	2,555	
Money Market Shares (81%)	8,876	52%	4,616	
Svgs<1yr: Share Certificates (95%)	208	90%	187	
IRA/KEOGH Accounts <1yr (95%)	1,651	80%	1,321	
Savings: All Other Shares (100%)	1	%	0	
Total Rate Sensitive Liabilities	23,272		9,020	
Rate Sensitive Gap (Assets - Liabilities)	-9,214		5,038	
Total Assets	33,754		33,754	
Gap as a % of Total Assets	-27.3%		14.93%	
Change in Net Interest Margin (\$)			-50	
Change in Net Interest Margin (%)			15%	
Net Interest Margin (%)			3.52%	
% Change in Net Interest Margin			-4.24%	

Yields	Up 100 Ba	sis Points
Balance Sheet Gap ¹	ECR ²	Income Statement Gap³
	В	АХВ
8,643	100%	8,643
183	100%	183
4,248	100%	4,248
841	100%	841
13,915		13,915
А	В	AXB
3,410	10%	341
9,126	28%	2,555
8,876	52%	4,616
208	90%	187
1,651	80%	1,321
1	%	0
23,272		9,020
-9,357		4,895
33,754		33,754
-27.72%		14.5%
		49
		.15%
		3.52%
		4.12%



¹One Year Balance Sheet gap includes all balances that may change in rate in the next 12 months.

²The Earnings Change Ratio estimates the change in rate of a rate sensitive instrument per 100bp move in rates.

³In the Liability section, the default ECRs are in parentheses. If changed in column B, custom ECRs were applied.

	Yields Down 200 Basis Points				
	Balance Sheet Gap ¹	ECR ²	Income Statement Gap³		
Rate Sensitive Assets	A	В	AXB		
Loans					
Fixed Rate	8,865	100%	8,865		
Floating Rate	183	100%	183		
Fixed-Rate Securities (Principal Cashflows)					
CDs	4,248	100%	4,248		
Securities (Floating Rate)					
Total Cash on Deposit	841	100%	841		
Total Rate Sensitive Assets	14,137		14,137		
Rate Sensitive Liabilities	A	В	АХВ		
Share Drafts (48%)	3,410	10%	341		
Regular Drafts (42%)	9,126	28%	2,555		
Money Market Shares (81%)	8,876	52%	4,616		
Svgs<1yr: Share Certificates (95%)	208	90%	187		
IRA/KEOGH Accounts <1yr (95%)	1,651	80%	1,321		
Savings: All Other Shares (100%)	1	%	0		
Total Rate Sensitive Liabilities	23,272		9,020		
Rate Sensitive Gap (Assets - Liabilities)	-9,135		5,117		
Total Assets	33,754		33,754		
Gap as a % of Total Assets	-27.06%		15.16%		
Change in Net Interest Margin (\$)			-102		
Change in Net Interest Margin (%)			3%		
Net Interest Margin (%)			3.52%		
% Change in Net Interest Margin			-8.61%		

Yields Up 200 Basis Points			
Balance Sheet Gap ¹	ECR ²	Income Statement Gap³	
	В	АХВ	
8,564	100%	8,564	
183	100%	183	
4,248	100%	4,248	
841	100%	841	
13,836		13,836	
А	В	АХВ	
3,410	10%	341	
9,126	28%	2,555	
8,876	52%	4,616	
208	90%	187	
1,651	80%	1,321	
1	%	0	
23,272		9,020	
-9,436		4,816	
33,754		33,754	
-27.96%		14.27%	
		96	
		.29%	
		3.52%	
		8.11%	



¹One Year Balance Sheet gap includes all balances that may change in rate in the next 12 months.

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³In the Liability section, the default ECRs are in parentheses. If changed in column B, custom ECRs were applied.

	Yields Down 100 Basis Points			
	Balance Sheet Gap ¹	ECR ²	Income Statement Gap³	
Rate Sensitive Assets	А	В	AXB	
Loans				
Fixed Rate	8,786	25%	2,196	
Floating Rate	183	100%	183	
Fixed-Rate Securities (Principal Cashflows)				
CDs	4,248	100%	4,248	
Securities (Floating Rate)				
Total Cash on Deposit	841	100%	841	
Total Rate Sensitive Assets	14,058		7,468	
Rate Sensitive Liabilities	А	В	AXB	
Share Drafts (48%)	3,410	5%	171	
Regular Drafts (42%)	9,126	14%	1,278	
Money Market Shares (81%)	8,876	26%	2,308	
Svgs<1yr: Share Certificates (95%)	208	45%	94	
IRA/KEOGH Accounts <1yr (95%)	1,651	40%	660	
Savings: All Other Shares (100%)	1	100%	1	
Total Rate Sensitive Liabilities	23,272		4,511	
Rate Sensitive Gap (Assets - Liabilities)	-9,214		2,957	
Rate Sensitive Gap (Assets - Liabilities) Total Assets	-9,214 33,754		2,957 33,754	

Yields	Up 100 Ba	sis Points
Balance Sheet Gap ¹	ECR ²	Income Statement Gap³
A	В	АХВ
8,643	50%	4,321
183	100%	183
4,248	100%	4,248
841	100%	841
13,915		9,594
А	В	AXB
3,410	10%	341
9,126	28%	2,555
8,876	52%	4,616
208	90%	187
1,651	80%	1,321
1	100%	1
23,272		9,021
-9,357		573
33,754		33,754
-27.72%		2%



¹One Year Balance Sheet gap includes all balances that may change in rate in the next 12 months.

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³In the Liability section, the default ECRs are in parentheses. If changed in column B, custom ECRs were applied.

	Yields Down 200 Basis Points			
	Balance Sheet Gap ¹	ECR ²	Income Statement Gap³	
Rate Sensitive Assets	А	В	AXB	
Loans				
Fixed Rate	8,865	25%	2,216	
Floating Rate	183	100%	183	
Fixed-Rate Securities (Principal Cashflows)				
CDs	4,248	100%	4,248	
Securities (Floating Rate)				
Total Cash on Deposit	841	100%	841	
Total Rate Sensitive Assets	14,137		7,488	
Rate Sensitive Liabilities	Α	В	AXB	
Share Drafts (48%)	3,410	3%	102	
Share Drafts (48%)	3,410	3%	102	
Share Drafts (48%) Regular Drafts (42%)	3,410 9,126	3% 7%	102 639	
Share Drafts (48%) Regular Drafts (42%) Money Market Shares (81%)	3,410 9,126 8,876	3% 7% 13%	102 639 1,154	
Share Drafts (48%) Regular Drafts (42%) Money Market Shares (81%) Svgs<1yr: Share Certificates (95%)	3,410 9,126 8,876 208	3% 7% 13% 23%	102 639 1,154 48	
Share Drafts (48%) Regular Drafts (42%) Money Market Shares (81%) Svgs<1yr: Share Certificates (95%) IRA/KEOGH Accounts <1yr (95%)	3,410 9,126 8,876 208 1,651	3% 7% 13% 23% 20%	102 639 1,154 48	
Share Drafts (48%) Regular Drafts (42%) Money Market Shares (81%) Svgs<1yr: Share Certificates (95%) IRA/KEOGH Accounts <1yr (95%) Savings: All Other Shares (100%)	3,410 9,126 8,876 208 1,651	3% 7% 13% 23% 20%	102 639 1,154 48 330	
Share Drafts (48%) Regular Drafts (42%) Money Market Shares (81%) Svgs<1yr: Share Certificates (95%) IRA/KEOGH Accounts <1yr (95%) Savings: All Other Shares (100%) Total Rate Sensitive Liabilities	3,410 9,126 8,876 208 1,651 1 23,272	3% 7% 13% 23% 20%	102 639 1,154 48 330 1	

Yields Up 200 Basis Points										
Balance Sheet Gap ¹	ECR ²	Income Statement Gap³								
	В	AXB								
8,564	50%	4,282								
183	100%	183								
4,248	100%	4,248								
841	100%	841								
13,836		9,554								
	В	AXB								
3,410	10%	341								
9,126	28%	2,555								
8,876	52%	4,616								
208	90%	187								
1,651	80%	1,321								
1	100%	1								
23,272		9,021								
-9,436		533								
33,754		33,754								
-27.96%		4%								



¹One Year Balance Sheet gap includes all balances that may change in rate in the next 12 months.

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³In the Liability section, the default ECRs are in parentheses. If changed in column B, custom ECRs were applied.

Performance Profile

Managing the opportunities and risks in an investment portfolio is challenging enough under the current interest rate environment....but, what happens when rates change? A dynamic rate environment can impact not only the current earnings capability of an investment portfolio, it can impact the duration, market value, and liquidity of the portfolio. Lending to the complexity of the challenge, today's investment security offerings are diverse with a variety of structures. We developed the Performance Profile, a detailed report that calculates market risk and expected cash flow for your portfolio under various interest rate scenarios. Benchmarking financial performance versus a customizable peer group is also possible. We believe the Performance Profile is the ideal summary for portfolio managers to review when considering the opportunities and risks inherent in the investment portfolio.

The Performance Profile includes graphs and tables that detail up to date portfolio analytics designed to provide analysis and data for the most pressing portfolio management issues. The analytics are derived using best practice methodologies and industry leading software, including The Yield Book®. Just a few examples include:

Portfolio Analysis

The Performance Profile summarizes portfolio sector allocations, investment yields at book prices, principal cash flows, average life, duration, and convexity. It also includes the impacts to market value and the preceding metrics when interest rates change.

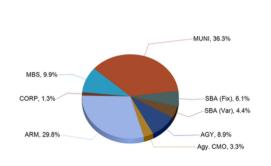
PORTFOLIO ANALYSIS - Allocation By Sector and Description

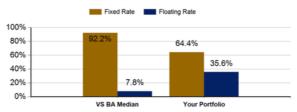
PORTFOLIO ALLOCATION BY SECTOR AND ASC 320 DESIGNATION

PORTFOLIO ALLOCATION BY SECTOR AND ASC 320 DESIGNATION

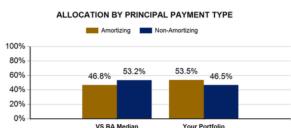
	AFS	нтм	TRAD.	UNDES.	% Port.	Book Value	Market Value	Book Gain/Loss	Book Yield*	Duration	Avg. Life	Px. Vol. +300
Agencies	8.9%	0.0%	0.0%	0.0%	8.9%	10,187,136	10,440,467	253,331	2.85%	3.52	2.43	-15.3%
Agency CMO	3.3%	0.0%	0.0%	0.0%	3.3%	3,837,382	3,860,630	23,247	2.55%	3.56	3.84	-12.6%
ARM	29.8%	0.0%	0.0%	0.0%	29.8%	34,999,651	34,896,689	(102,962)	1.11%	1.06	4.78	-6.2%
Corporates, Other Non-Amortizing	1.3%	0.0%	0.0%	0.0%	1.3%	1,497,295	1,511,807	14,512	2.09%	0.83	2.57	-1.4%
MBS Fixed	9.9%	0.0%	0.0%	0.0%	9.9%	11,632,841	11,643,534	10,694	2.30%	4.71	5.55	-14.3%
Municipals	36.3%	0.0%	0.0%	0.0%	36.3%	41,040,731	42,615,624	1,574,892	4.62%	2.61	3.39	-8.2%
SBA Fixed	6.1%	0.0%	0.0%	0.0%	6.1%	7,040,474	7,116,368	75,895	2.85%	5.01	5.70	-14.7%
SBA Floating Rate	4.4%	0.0%	0.0%	0.0%	4.4%	5,160,768	5,158,153	(2,614)	1.46%	0.84		-2.3%
Total	100.0%	0.0%	0.0%	0.0%	100.0%	115,396,278	117,243,272	1,846,995	2.81%	2.52	4.27	-9.1%
											* D	social and burn altitude







ALLOCATION BY COUPON TYPE



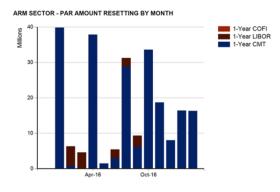


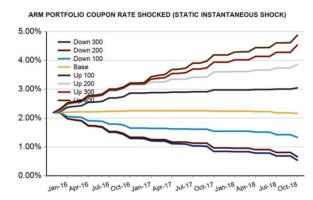
Performance Profile

Sector Analysis

Not all sectors exhibit the same amount of risk or return under similar rate environments. This report projects the call expectations and step-up coupon movement in the Agency allocation, plus it reveals potential exposure in the Mortgage allocation by detailing projected yields, coupon concentrations, and prepayment speeds. It segments the reset date, index, and cap structure in the ARM allocation to better review performance. This report also details the ratings, yield analytics, and security types in the Municipal allocation.

SUPPLEMENT	TAL ANAL	YSIS - ARM R	oli Analy	/sis																		Se	cto	r De	tails	
ARM PORTFOL	LIO - PERF	ORMANCE BY	ROLL DA	TE AND I	NDEX																					
			Projected Yield @ Book								Average Life								% Change in Market Value							
	% ARM	Market Value	-300	-200	-100	Base	+100	+200	+300	+400	-300	-200				+200	+300	+400	-300				+200		+400	
By Months-to-R																										
0-12 MTR	66.9%	23.332.315	0.37%	0.39%	0.72%	1.33%	2.20%	3.00%	3.68%	4.28%	3.3	3.4	4.4	5.2	5.3	5.5	5.7	5.9	0.2	0.0	0.2	-0.6	-1.6	-3.1	-4.9	
13-24 MTR	6.8%	2,389,821	-0.41%	-0.36%	0.37%	1.05%	1.81%	2.51%	3.13%	3.60%	1.9	1.9	3.2	4.6	5.2	6.0	6.8	7.2	0.0	0.0	0.1	-0.1	-0.4	-0.6	-0.	
25-36 MTR	14.9%	5,207,739	-0.11%	-0.08%	0.48%	1.06%	1.76%	2.36%	2.93%	3.42%	1.8	1.8	2.7	3.8	4.7	5.3	6.0	6.5	0.1	0.1	0.2	-0.3	-0.8	-1.3	-1.	
37-60 MTR	8.2%	2,864,198		0.45%	0.91%	1.40%	2.03%	2.54%	3.03%	3.46%	1.6	1.6	2.3	3.4	4.7	5.4	6.2	6.9	0.1	0.1	0.1	-0.2	-0.5	-0.8	-1.	
31-84 MTR	3.2%	1,102,617	1.08%	1.09%	1.26%	1.79%	2.37%	2.74%	3.12%	3.49%	2.4	2.4	3.0	4.1	5.8	6.1	6.3	6.5	0.1	0.1	0.0	-0.1	-0.2	-0.3	-0.	
35-120 MTR																										
By Index																										
1-Year CMT	86.4%	30.143.022	0.19%	0.22%	0.66%	1.25%	2.05%	2.77%	3.39%	3.93%	2.8	2.8	3.8	4.8	5.2	5.5	5.9	6.2	0.6	0.4	0.6	-1.5	-3.7	-6.6	-9.	
1-Year LIBOR	10.8%	3,754,445	0.87%	0.88%	1.07%	1.84%	2.65%	3.36%	3.99%	4.57%	3.0	3.1	4.0	4.6	5.3	5.6	5.8	6.0	0.0	-0.1	0.4	-1.1	-2.8	-5.1	-7.	
1-Year COFI																										
By Life Cap																										
<6.00%																										
6.00-7.00%	14.2%	4,951,824	0.17%	0.21%	0.75%	1.33%	2.06%	2.72%	3.32%	3.80%	1.7	1.8	2.9	4.3	4.6	5.3	6.0	6.4	0.1	0.1	0.6	-1.8	-4.6	-8.0	-11.9	
7.00-8.00%	32.3%	11,288,576	-0.24%	-0.20%	0.40%	1.05%	1.80%	2.43%	3.00%	3.48%	2.1	2.1	3.0	4.2	4.9	5.4	6.0	6.4	0.6	0.5	0.8	-1.9	-4.8	-8.2	-12.	
>8.00%	53.5%	18,656,289	0.61%	0.62%	0.86%	1.42%	2.29%	3.09%	3.77%	4.39%	3.6	3.7	4.6	5.3	5.5	5.6	5.8	5.9	0.5	0.3	0.4	-0.9	-2.4	-4.5	-7.	
By Period Cap																										
<1.00%	61.8%	21,570,250	-0.01%	0.02%	0.51%	1.13%	1.91%	2.59%	3.19%	3.68%	2.5	2.6	3.6	4.6	5.1	5.5	6.0	6.4	0.7	0.5	0.7	-1.7	-4.3	-7.5	-11.3	
1.00-1.50%	35.3%	12,327,217	0.77%	0.79%	1.05%	1.65%	2.49%	3.27%	3.94%	4.57%	3.3	3.3	4.3	5.0	5.4	5.6	5.8	5.9	0.3	0.1	0.4	-0.9	-2.4	-4.5	-7.0	
1.50-2.00%																										
>2.00%	2.9%	999,222		0.29%	0.30%	0.51%	1.49%	2.46%	3.43%	4.40%	4.0	4.3	4.6	4.8		4.8	4.8	4.8	-0.7	-0.7	-0.1	0.0	0.1	0.1	0.1	
Total	100.0%	34,896,689	0.27%	0.30%	0.69%	1.29%	2.10%	2.82%	3.46%	4.01%	2.8	2.9	3.8	4.8	5.2	5.5	5.9	6.2	0.5	0.3	0.6	-1.4	-3.5	-6.2	-9.4	



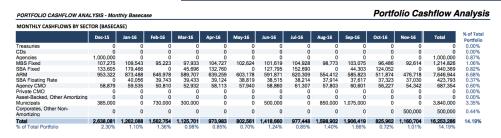


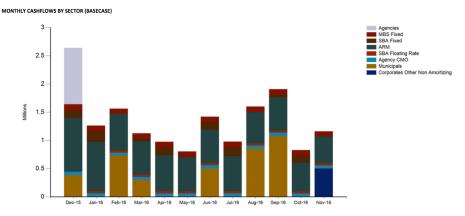
Cash Flow Analysis

The Performance Profile specifies monthly and annual cash flow for the total portfolio and by sector. In addition, it presents shocked cash flows to gain an understanding of exposure as interest rates change.





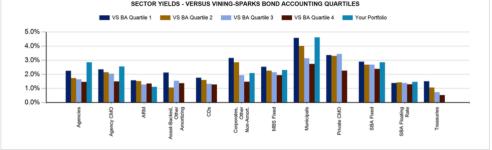




Peer Comparison

The Performance Profile offers peer comparisons on multiple fronts. Financial performance can be reviewed by looking at the composition of the income statement, a breakdown of the investment and loan portfolios, and the funding profile. Peer groups can be tailored by region, size and performance. Additionally, the Performance Profile offers an in depth look into the Vining Sparks Bond Accounting Statistics.

IELD / INTEREST RATE RISK COMPARISON BY SECTOR TO VS BOND ACCOUNTING STATISTICS																
		Your Portfolio		VS BA Quartile 1			,	S BA Quartile	. 2	,	/S BA Quartile	3	VS BA Quartile 4			
	+300 Price Portfolio		+300 Price Portfolio			+300 Price Portfolio		+300 Price		Portfolio		+300 Price	Portfolio			
	Book Yield	Volatility	Allocation	Book Yield		Allocation				Book Yield			Book Yield		Allocation	
Treasuries				1.50%		0.4%	1.05%			0.73%		0.4%	0.52%	-3.54%	3.7	
CDs				1.75%	-9.07%	0.8%	1.59%		1.1%	1.31%		1.2%	1.28%	-5.69%	2.4	
Agencies	2.85%		8.9%	2.25%	-14.38%	8.7%	1.73%		11.1%	1.64%		12.1%	1.45%	-9.07%	24.9	
MBS Fixed	2.30%	-14.32%	9.9%	2.53%		15.6%	2.25%		22.4%	2.15%		34.7%	1.94%		25.1	
SBA Fixed	2.85%		6.1%	2.89%	-14.72%	3.9%	2.68%		3.9%	2.68%		3.3%	2.38%	-15.26%	2.5	
ARM	1.11%	-6.21%	29.8%	1.57%	-5.74%	5.0%	1.51%	-7.01%	4.5%	1.27%	-6.71%	4.3%	1.34%	-7.76%	16.4	
SBA Floating Rate	1.46%	-2.33%	4.4%	1.38%	-1.49%	2.4%	1.43%	-1.44%	6.6%	1.37%	-1.12%	2.2%	1.29%	-1.18%	3.9	
Agency CMO	2.55%	-12.61%	3.3%	2.34%	-11.29%	7.9%	2.14%	-12.63%	16.4%	2.04%	-13,13%	16,7%	1,49%	-10.94%	9.9	
Private CMO				3,37%	-4.24%	1.8%	3.31%	-7.62%	1.5%	3,44%	-15.96%	0.5%	2.25%	-3.04%	0.0	
Asset-Backed, Other Amortizing				2.12%	-0.86%	0.9%	1.06%	-2.70%	0.4%	1,54%	-3.05%	0.4%	1.36%	-0.50%	0.2	
Municipals	4.62%	-8.25%	36.3%	4.58%	-12.70%	48.3%	4.01%	-11.98%	28.5%	3.13%	-12.55%	20.1%	2.73%	-8.21%	8.1	
Corporates, Other Non-Amort,	2.09%	-1.39%	1.3%	3,16%	-8.50%	4.2%	2.85%	-9.47%	3.2%	1.94%	-3.69%	4.2%	1.47%	-3.42%	3.0	
Total	2.81%	-9.06%	100.0%	3.44%	-11.57%	100.0%	2.62%	-10.99%	100.0%	2.21%	-11.51%	100.0%	1.64%	-8.97%	100.0	







Financial Performance

Take a detailed look at the portfolio independently or within the context of the balance sheet. Measure financial performance by looking at balance sheet component growth, earning trends, and capital levels. The Performance Profile incorporates investment portfolio volatility under a dynamic rate environment to quantify capital value at risk. It includes a review of balance sheet interest rate risk, using a high level income statement gap estimate or the Vining Sparks Risk Manager report. For Risk Manager customers, the report includes Earnings At Risk, Economic Value of Equity, and balance sheet liquidity analytics.

BALANCE SHEET TRENDS - Growth and Earnings Metrics Financial Performance BALANCE SHEET COMPONENT GROWTH BALANCE SHEET GROWTH YE2011 Assets Securities 419,639 425,644 452,200 464,593 Change in Volume 12,393 13,749 32.826 6,009 26,556 40 Percentage Change 3.69% 8.49% 1.43% 6.24% 2.74% 20 250.788 245,729 259,471 293.075 319.138 0 Change in Volume 12.403 -5.059 13.742 33,604 26.063 -20 Percentage Change 5.20% -2.02% 12.95% Securities 108,728 140,605 133,827 129,936 116,094 31.877 -6.778 -3,891 -13.842 DEPOSIT GROWTH LESS LOAN GROWTH -4.82% -10.65% 1.69% 29.32% -2.91% Percentage Change 32.00 330.677 365 530 369 923 380 695 373.820 Change in Volume 12.711 34.853 4.393 10.772 -6.875 20 Percentage Change 4.00% 10.54% 1.20% 2.91% -1.81% 0.00 **FARNINGS TRENDS** (9.00)-20 Net Interest Margin 3.65% 3.37% 3.25% 3.34% 3.35% (23.00) -40 1.15% 1.15% 0.92% 0.96% 0.87% Return on Avg. Assets YE2011 YE2012 YE2013 YE2014 2015Q3 Return on Avg. Equity 12.68% 12 62% 10.00% 10.14% 8.90%

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