

INVESTMENT UPDATE

2018 Fall Conference

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Economic Outlook

US GROWTH Real Gross Domestic Product

Gross Domestic Product (YoY)



Bloomberg Economist Survey (QoQ)

Source: Bloomberg



Gross Domestic Product (QoQ)

US GROWTH ISM – Institute for Supply Management



ISM Non-Manufacturing Index



Source: Bloomberg



US GROWTH

US & Ohio Labor Markets



Sources: Bloomberg, Bureau of Labor Statistics, FRED



INFLATION PCE and Market Inflation Expectations



Inflation Projections	2018	2019	2020	2021	Longer Run
Federal Reserve Median Projection (YoY)	2.10%	2.00%	2.10%	N/A	N/A
Bloomberg Economist Survey (YoY)	1.90%	2.10%	2.20%	N/A	N/A
	Q4 2018	Q1 2019	Q2 2019	Q3 2019	Q4 2019
Bloomberg Economist Survey (QoQ)	2.00%	2.10%	2.10%	2.20%	2.20%

Source: Bloomberg



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Unemployment Rate

INFLATION US Average Hourly Earnings



Source: Bloomberg



US FEDERAL BUDGET

Federal Budget & Treasury Issuance



Federal Budget Projections	2018 Estimate	2019 Estimate	2020 Estimate	2021 Estimate	2022 Estimate	2023 Estimate
Receipts	\$3,340	\$3,422	\$3,609	\$3 <i>,</i> 838	\$4,089	\$4,386
Outlays	\$4,173	\$4,407	\$4,596	\$4,754	\$4,997	\$5,165
Deficit/Surplus	-\$833	-\$984	-\$987	-\$916	-\$908	-\$779

Source: Office of Management and Budget



FOMC STATEMENT HIGHLIGHTS

September 26, 2018

"CONSISTENT WITH ITS STATUTORY MANDATE, THE COMMITTEE SEEKS TO FOSTER MAXIMUM EMPLOYMENT AND PRICE STABILITY"

EFFECTIVE OCTOBER, THE MONTHLY PACE OF SHRINKING THE BALANCE SHEET WILL INCREASE TO \$50 BILLION FROM THE CURRENT PACE OF \$40 BILLION

"GRADUAL INCREASES IN THE TARGET RANGE FOR THE FEDERAL FUNDS RATE WILL BE CONSISTENT WITH SUSTAINED EXPANSION OF ECONOMIC ACTIVITY AND STRONG LABOR MARKET CONDITIONS"

FOR THE THIRD TIME THIS YEAR; THE COMMITTEE VOTED TO RAISE THE FED FUNDS TARGET RANGE TO 2.00% -2.25%

> THE DECISION TO RAISE AT THE SEPTEMBER MEETING WAS A UNANIMOUS DECISION IN FAVOR OF THE RATE HIKE

INFLATION REMAINS NEAR 2 PERCENT WHILE LONGER-TERM INFLATION EXPECTATIONS ARE LITTLE CHANGED

Source: Federal Reserve



FEDERAL RESERVE POLICY

"Dot Plot" from September Meeting

5.0%					:	
			•••••			
			•••••			•••••
			•••••		•	•••••
4.0%			•			
		•				••••••
						••••••
						••••••
3.0%					+	
		••••	•••••••••••••••••••••••••••••••••••••••	•	••	
		•	•		•	
	•••••	•				
0.00/		•	•		•	
2.0%					:	
			••••••			
1.0%			••••••			•••••
1.070						
	2018	2019	2020	202	21	Longer Term
Fed	eral Reserve Policy Projections	2018 Estimate	2019 Estimate	2020 Estimate	2021 Estimate	e Longer Term
			0.100/	2.200/	2.200/	3.00%
	FOMC Median Dots	2.38%	3.13%	3.38%	3.38%	3.00%
	FOMC Median Dots Federal Funds Futures	2.38% 2.39%	3.13% 2.94%	3.38% 2.96%	3.38% N/A	N/A

Source: Federal Reserve



YIELD CURVE COMPARISON



Source: Bloomberg



Earnings Credit Rates

EARNINGS CREDIT RATES





BANK A – EARNINGS CREDIT RATE 0.30%

County Depositor

Cost of Banking Services per month Bank Balance \$1,500.00 \$10,000,000





BANK B – EARNINGS CREDIT RATE 0.75%

County Depositor

Cost of Banking Services per month Bank Balance \$1,500.00 \$10,000,000

Banking Services
Excess
\$7,600,000



BANK C – EARNINGS CREDIT RATE 1.25%

County Depositor

Cost of Banking Services per month Bank Balance \$1,500.00 \$10,000,000





BENEFITS OF INVESTING EXCESS BALANCE

	Bank A	Bank B	Bank C
Earnings Credit Rate	0.30%	0.75%	1.25%
Balance to Cover Banking Services	\$6,000,000	\$2,400,000	\$1,440,000
Excess Balance	\$4,000,000	\$7,600,000	\$8,560,000
Additional Interest Income at 2.75%	\$110,000	\$209,000	\$235,400



Ohio Revised Code

RECENT CHANGES TO ORC 135.35

Munis	Corporates
HB 251	SB 163
Effective 8/1/18	Effective 9/28/18
Increased maximum	Increased maximum
maturity to 10 years	maturity to 3 years
from 5 years	from 2 years

Expanded minimum credit rating to A/A from AA/Aa



OHIO MUNICIPAL YIELD CURVE

Historical 10 Year Yield vs 5 Year Yield



²⁰

US CORPORATE YIELD CURVES





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