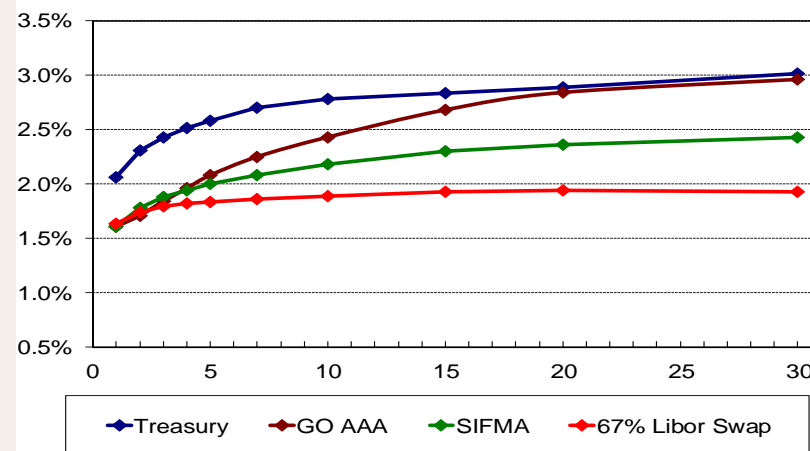


Cash and Swap Indications

Years	Treasury	MMD GO AAA	SIFMA Swap	Libor Swap	SIFMA / Libor Ratio	Investment Agreement (GIC)	Repurchase Agreement
1	2.06%	1.61%	1.61%	2.44%	66%	2.44%	0.90%
2	2.31%	1.71%	1.78%	2.60%	69%	2.60%	1.20%
3	2.43%	1.84%	1.88%	2.68%	70%	2.68%	1.25%
4	2.51%	1.96%	1.94%	2.72%	71%	2.72%	1.30%
5	2.58%	2.08%	2.00%	2.75%	73%	2.75%	1.38%
7	2.70%	2.25%	2.08%	2.78%	75%	2.78%	1.50%
10	2.78%	2.43%	2.18%	2.82%	77%	2.82%	1.75%
15	2.83%	2.68%	2.31%	2.88%	80%	2.88%	1.85%
20	2.89%	2.84%	2.36%	2.90%	81%	2.90%	1.85%
30	3.02%	2.96%	2.43%	2.88%	84%	2.88%	2.20%

Investment agreement and repurchase agreement rates are for full flex amortizing contracts and vary based on the average life and size of the contract. Repurchase agreements assume agency collateral.

Yield Curve Comparison 4/9/2018



Weekly Rate Trend – Rates Slightly Higher

ECONOMIC EVENTS				
Monday	Tuesday	Wednesday	Thursday	Friday
4/9/18	4/10/18	4/11/18	4/12/18	4/13/18
	NFIB Small Business Optimism PPI Final Demand MoM/YoY PPI Ex Food and Energy MoM/YoY PPI Ex Food, Energy, Trade MoM/YoY Wholesale Trade Sales MoM Wholesale Inventories MoM	MBA Mortgage Applications CPI MoM/YoY CPI Ex Food and Energy MoM/YoY CPI Index CPI Core Index SA Real Avg Weekly Earnings YoY Real Avg Hourly Earning YoY Monthly Budget Statement FOMC Meeting Minutes	Import Price Index MoM/YoY Initial Jobless Claims Import Price Ex Petroleum Continuing Claims Export Price Index MoM/YoY Bloomberg April United States Economic Survey Bloomberg Consumer Comfort	JOLTS Job Openings U. of Mich. Sentiment U. of Mich. Current Conditions U. of Mich. Expectations U. of Mich. 1 Yr Inflation U. of Mich. 5-10 Yr Inflation
4/16/18	4/17/18	4/18/18	4/19/18	4/20/18
Retail Sales Advance MoM Empire Manufacturing Retail Sales Ex Auto MoM Retail Sales Ex Auto and Gas Retail Sales Control Group Business Inventories NAHB Housing Market Index Total Net TIC Flows Net Long-term TIC Flows	Housing Starts Housing Starts MoM Building Permits Building Permits MoM Industrial Production MoM Manufacturing (SIC) Production Capacity Utilization	MBA Mortgage Applications U.S. Federal Reserve Releases Beige Book	Initial Jobless Claims Continuing Claims Philadelphia Fed Business Outlook Bloomberg Economic Expectations Bloomberg Consumer Comfort Leading Index	

MARKET INDICES

Wednesday Reset Rates

	Current	Last Week
SIFMA	1.60%	1.58%
1 mo LIBOR	1.8906%	1.8869%
Ratio	84.63%	83.74%
3 mo LIBOR	2.32%	2.31%
Weekly CP (non-financial)	1.73%	1.74%