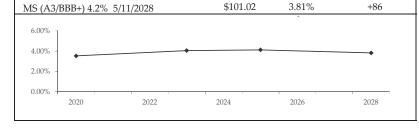


YIELD ANALYSIS

December 4, 2018

U.S. Treasury Yields	Mı	ınicipal Bon	d Yields ¹			U.S. Agency Yields - 1	Active Bonds		
Coupon Maturity YTM	Maturity	YTM	Tax-Equiv. ²	Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
0.000% 11/07/19 2.70%	12/03/19	1.87%	2.67%	FNMA	1.000%	10/24/19	\$98.48	2.76%	+8
2.750% 11/30/20 2.83%	12/03/20	1.98%	2.82%	FHLB	2.860%	10/15/20	\$99.97	2.87%	+5
2.875% 11/15/21 2.83%	12/03/21	2.03%	2.90%	FFCB	2.850%	09/20/21	\$100.00	2.85%	-5
2.000% 11/30/22 2.83%	12/03/22	2.10%	3.00%	FHLB	2.280%	10/26/22	\$97.32	3.00%	+0
2.875% 11/30/23 2.82%	12/03/23	2.16%	3.09%	FHLMC	2.000%	10/17/23	\$94.99	3.10%	+2
3.125% 11/15/28 2.95%	12/03/28	2.55%	3.64%	FFCB	4.000%	10/23/28	\$105.50	3.31%	-33
3.375% 11/15/48 3.21%	12/03/48	3.27%	4.68%	FFCB	3.580%	04/11/47	\$96.24	3.78%	-90
			Current	Yield Curves					
U.S. Treasuries			High-Grade Municipal Bonds			U.S. Agencies			
							Ü		
5.00%		5.00% -				5.00% -			
3.75% -		3.75% -				3.75% -			
****	•					***			
2.50%		2.50% -	.4444			2.50% -			
1.25% -		1.25% -	•			1.050/			
1.23/6		1.25% -				1.25% -			
0.00%		0.00%				0.00%			
2018 2026 2034	2042	2018	2026	2034 2042	2	2019 2025	2031	2037	2043
Corpo	rate Bond Yields				i	Bullet & Callable Agenc	y Bond Yields	3	
Description	Price	YTM	To Treasury (bp)	De	escription	Call Date	Price	YTM	YTW
JPM (A2/A-) 4.25% 10/15/2020	\$101.29	3.53%	+70	FFCB 1.16%	11/1/2019	N/A	\$98.50	2.71%	2.71%
C (Baa1 *+/BBB+) 3.88% 10/25/2023	\$99.24	4.05%	+122	FHLB 2.84%		09/25/19	\$99.72	2.97%	2.97%
	#00 = 0	4.100/	400	EECD 0 0 40/	401410000	10/01/10	400.04	2 200/	2 200/



BAC (A3/A-) 3.88% 8/1/2025

\$98.59

4.12%

FFCB 3.34% 10/4/202	10	/04/19 \$	99.84 3	.38% 3.38	%
FFCB 3.7% 10/4/2028	3 10	/04/23 \$	99.86 3	.71% 3.72	%
6.00% - 4.00% - 2.00% -		•		•	
	2021 2023	2025	2027	2029	

+130