

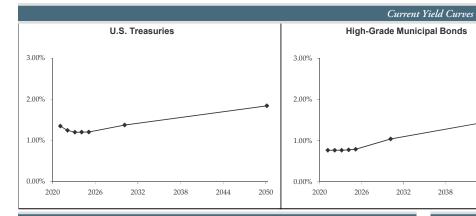
YIELD ANALYSIS

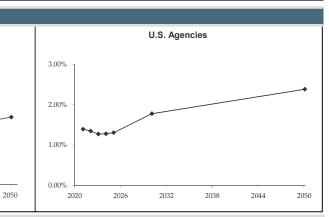
February 25, 2020

U.S. Treasury Yields				
Coupon	Maturity	YTM		
0.000%	01/28/21	1.35%		
1.375%	01/31/22	1.24%		
1.375%	02/15/23	1.20%		
2.500%	01/31/24	1.20%		
1.375%	01/31/25	1.20%		
1.500%	02/15/30	1.37%		
2.000%	02/15/50	1.84%		

Municipal Bond Yields ¹			
Maturity	YTM	Tax-Equiv. 2	
02/24/21	0.77%	1.10%	
02/24/22	0.77%	1.10%	
02/24/23	0.77%	1.10%	
02/24/24	0.78%	1.11%	
02/24/25	0.79%	1.13%	
02/24/30	1.04%	1.49%	
02/24/50	1.65%	2.35%	

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FHLB	1.375%	02/18/21	\$99.97	1.39%	+29
FFCB	1.550%	02/15/22	\$100.35	1.35%	+25
FFCB	1.850%	02/01/23	\$101.60	1.27%	+17
FHLB	2.125%	02/15/24	\$103.21	1.28%	+16
FFCB	2.950%	02/28/25	\$107.87	1.31%	+17
FFCB	2.800%	02/11/30	\$109.03	1.78%	+28
FFCB	2.760%	02/03/50	\$107.28	2.38%	+3





Corporate Bond Yields					
Description	Price	YTM	To Treasury (bp)		
JPM (A2/A-) 3.29% 10/14/2021	\$102.44	1.96%	+72		
WFC (A2/A-) 3% 2/19/2025	\$105.09	1.90%	+70		
MS (A3 *+/BBB+) 3.63% 1/20/2027	\$109.03	2.19%	+98		
GS (A3/BBB+) 3.3% 3/15/2030	\$105.16	2.66%	+129		
4.00% 3.00% - 2.00% - 1.00% - 0.00%	•	•	•		
2020 2022 2024	2026	2028	2030		

Bullet & Callable Agency Bond Yields					
Description	Call Date	Price	YTM	YTW	
FFCB 1.58% 2/17/2021	03/03/20	\$99.71	1.88%	1.88%	
FFCB 1.53% 2/10/2022	02/10/21	\$99.91	1.58%	1.58%	
FHLMC 1.97% 2/6/2025	05/06/20	\$99.84	2.00%	2.00%	
FHLB 2.64% 2/22/2030	03/03/20	\$99.77	2.67%	2.67%	
4.00% 3.00% 2.00% 1.00% 0.00%		NO.	2000		
2020 2022	2024 2	2026	2028	2030	

2032

2038

2044