

## YIELD ANALYSIS

## September 3, 2019

| U.S. Treasury Yields Mu               |                             |       |         |       | nicipal Bond Yields <sup>1</sup> |                             |      | U.S. Agency Yields - Active Bonds                 |             |                      |           |          |        |              |  |
|---------------------------------------|-----------------------------|-------|---------|-------|----------------------------------|-----------------------------|------|---|-------------|----------------------|-----------|----------|--------|--------------|--|
| Coupon                                | Maturity                    | YTM   | Maturi  | ty Y  | ΤM                               | Tax-Equiv. <sup>2</sup>     |      | Agency  | Coupon      |                      | Maturity  | Price    | YTM    | To Muni (bp) |  |
| 0.000%                                | 08/13/20                    | 1.75% | 09/02/2 | 20 1. | 00%                              | 1.43%                       |      | FNMA  | 1.500%      |                      | 06/22/20  | \$99.38  | 2.28%  | +85          |  |
| 1.500%                                | 08/31/21                    | 1.51% | 09/02/2 | 21 1. | 01%                              | 1.44%                       |      | FHLB  | 2.100%      |                      | 07/01/21  | \$100.84 | 1.62%  | +18          |  |
| 1.500%                                | 08/15/22                    | 1.42% | 09/02/2 | 22 1. | 01%                              | 1.44%                       |      | FHLB  | 2.375%      |                      | 06/10/22  | \$102.42 | 1.48%  | +4           |  |
| 2.750%                                | 08/31/23                    | 1.41% | 09/02/2 |       | 01%                              | 1.44%                       |      | FHLMC   | 2.750%      |                      | 06/19/23  | \$104.86 | 1.43%  | -1           |  |
| 1.250%                                | 08/31/24                    | 1.38% | 09/02/2 | 24 1. | 01%                              | 1.44%                       |      | FHLB  | 2.875%      |                      | 06/14/24  | \$106.52 | 1.46%  | +1           |  |
| 1.625%                                | 08/15/29                    | 1.49% | 09/02/2 | 29 1. | 27%                              | 1.81%                       |      | FHLB  | 2.750%      |                      | 06/08/29  | \$109.28 | 1.71%  | -10          |  |
| 2.250%                                | 08/15/49                    | 1.97% | 09/02/4 | 19 1. | 97%                              | 2.82%                       |      | FFCB  | 3.580%      |                      | 04/11/47  | \$121.11 | 2.49%  | -33          |  |
|                                       |                             |       |         |       |                                  | Curren                      | t Yi | eld Curves  |             |                      |           |          |        |              |  |
| U.S. Treasuries                       |                             |       |         |       |                                  | High-Grade Mun              | icip | al Bonds  |             | U.S. Agencies        |           |          |        |              |  |
| 5.00%                                 |                             |       |         | 5     | .00% ]                           |                             |      |   |             | ر <sup>5.00%</sup> ر |           |          |        |              |  |
| 3.75% -                               |                             |       |         | 3     | .75% -                           |                             |      |   |             | 3.75% -              |           |          |        |              |  |
|                                       |                             |       |         |       |                                  |                             |      |   |             | 3.73% -              |           |          |        |              |  |
| 2.50% -                               |                             |       |         | 2     | .50% -                           |                             |      |   | •           | 2.50% -              | •         |          |        |              |  |
| 1.25% -                               | 1.25% -                     |       |         | 1     | .25% -                           | *****                       |      |   | 1.25% -     | A.A.A                |           |          |        |              |  |
| 0.00%                                 |                             |       |         |       | .00%                             |                             |      |   |             | 0.000/               |           |          |        |              |  |
| 2018                                  | 2026                        | 2034  | 2042    | 2050  | 2018                             | 2026                        | 203  | 4 2042  | 2050        | 0.00% +              | 9 2025    | 2031     | 2037 2 | 2043         |  |
| Corporate Bond Yields                 |                             |       |         |       |                                  |                             |      | Bullet & Callable Agency Bond Yields <sup>3</sup> |             |                      |           |          |        |              |  |
|                                       | Description Price           |       |         | Υ     | ΤM                               | To Treasury (bp)            |      | Des   | cription    |                      | Call Date | Price    | YTM    | YTW          |  |
| WFC (A2                               | WFC (A2/A-) 2.1% 7/26/2021  |       |         |       | 25%                              | +75                         |      | FHLB 2.58% 3/20/2020                              |             | 09/20/19             |           | \$100.03 | 2.44%  | 2.44%        |  |
|                                       | JPM (A2/A-) 3.32% 8/29/2024 |       |         |       | 18%                              | +177                        |      | FHLB 1.5% 6/30/2021                               |             | 09/10/19             |           | \$98.97  | 1.99%  | 1.99%        |  |
|                                       | C (A3/BB+) 3% 5/15/2026     |       |         |       | 43%                              | +105                        |      | FHLMC 2.82% 5/20/2024                             |             | 11/20/19             |           | \$100.14 | 2.78%  | 2.12%        |  |
| MS (A3/BBB+) 4.05% 3/13/2029 \$108.86 |                             |       |         | 6 2.  | 93%                              | % +143 FHLB 3.04% 2/28/2029 |      |   |             |                      | 09/10/19  | \$100.01 | 3.04%  | 2.44%        |  |
| 6.00% -                               |                             |       |         |       |                                  |                             |      | 6.00%   |             |                      |           |          |        |              |  |
| 4.00% -                               | 4.00% -                     |       |         |       | •                                |                             |      | 4.00% -   |             |                      |           |          |        |              |  |
| 2.00% -                               | •                           |       |         | +     |                                  |                             |      | 2.00% -   | <b>**</b> _ |                      | +         |          |        | •            |  |
| 0.00% +                               | 2020                        | 2022  | 2024    | 2026  |                                  | 2028                        |      | 0.00%   | 2021        | 2                    | 023       | 2025     | 2027   | 2029         |  |

(1) High-grade municipal bonds. (2) Based on a 30% marginal federal income tax bracket. (3) Graph displays yield to call.

Key: bp - basis points. One basis point is 1/100 of one percent. YTM - yield to maturity; YTC - yield to call.

Factual materials obtained from sources believed to be reliable but cannot be guaranteed. Part II of Form ADV is available upon request. For further information please contact FCI at (800) 615-2536.