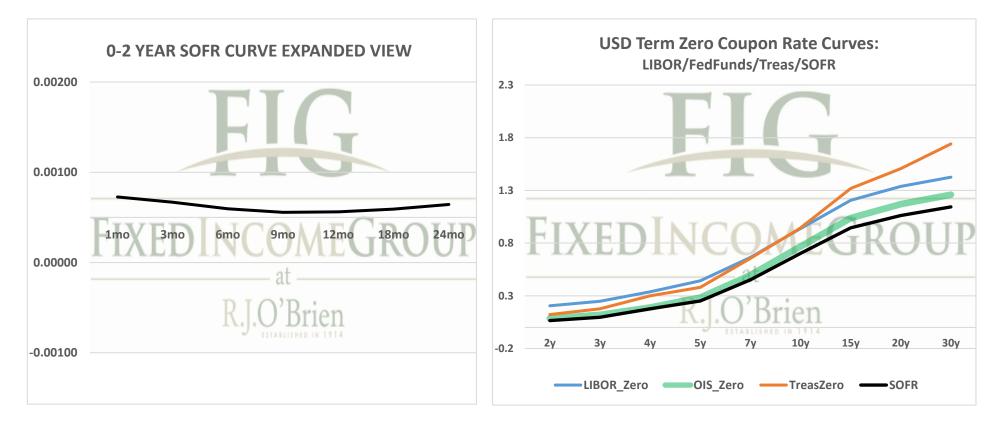
## THE SOFR CURVE

## Distributed by The Fixed Income Group at RJ O'Brien

Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to offer two options for users: compounded, setting in arrears (currently used in OIS markets) or a term rate setting in advance like LIBOR. You have questions, we have answers.



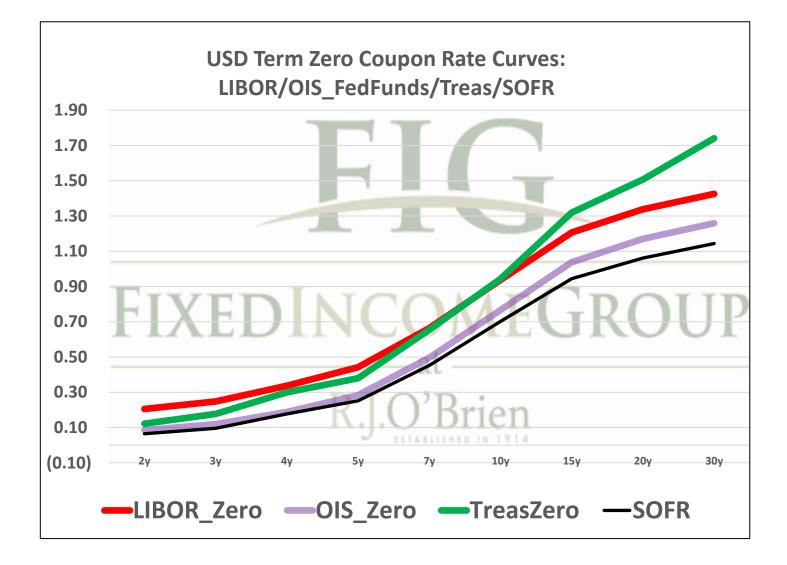
## For more information on the Libor replacement contact:

**Rocco Chierici** SVP the Fixed Income Group at RJO 312-373-5439 **Corrine Baynes** VP the Fixed Income Group at RJO 800-367-3349 12/17/2020 6:35 ct

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| Term SOFR from 1-day Returns            |                   |                   |                   |                    |             |            |
|---|-------------------|-------------------|-------------------|--------------------|-------------|------------|
| 0.07263%                                | 0.06673%          | 0.05953%          | 0.05558%          | 0.05612%           | 0.05918%    | 0.06431%   |
| 1.000062542                             | 1.000166814       | 1.00030096        | 1.000422999       | 1.000568951        | 1.000899153 | 1.00130397 |
| 1mo                                     | 3mo               | 6mo               | 9mo               | 12mo               | 18mo        | 24mo       |
| 12/17/2020                              | 12/17/2020        | 12/17/2020        | 12/17/2020        | 12/17/2020         | 12/17/2020  | 12/17/2020 |
| 1/16/2021                               | 3/16/2021         | 6/16/2021         | 9/16/2021         | 12/16/2021         | 6/16/2022   | 12/16/2022 |
| 31                                      | 90                | 182               | 274               | 365                | 547         | 730        |
| Term SOFR+Credit from 1-day Returns     |                   |                   |                   |                    |             |            |
| 0.59680%                                | 0.59186%          | 0.58323%          | 0.57964%          | 0.58049%           | 0.58431%    | 0.59038%   |
| 1.000513908                             | 1.001479651       | 1.00294856        | 1.004411738       | 1.005885565        | 1.008878269 | 1.01197169 |
| 1mo                                     | 3mo               | 6mo               | 9mo               | 12mo               | 18mo        | 24mo       |
| 12/17/2020                              | 12/17/2020        | 12/17/2020        | 12/17/2020        | 12/17/2020         | 12/17/2020  | 12/17/2020 |
| 1/16/2021                               | 3/16/2021         | 6/16/2021         | 9/16/2021         | 12/16/2021         | 6/16/2022   | 12/16/2022 |
| 31                                      | 90                | 182               | 274               | 365                | 547         | 730        |
| Term AMERIBOR from 1-day Returns        |                   |                   |                   |                    |             |            |
| 0.08497%                                | 0.08024%          | 0.07593%          | 0.07438%          | 0.07362%           |             |            |
| 1.00                                    | 1.00              | 1.00              | 1.00              | 1.00               |             |            |
| 1mo                                     | 3mo               | 6mo               | 9mo               | 12mo               |             |            |
| 12/17/2020                              | 12/17/2020        | 12/17/2020        | 12/17/2020        | 12/17/2020         |             |            |
| 1/16/2021                               | 3/16/2021         | 6/16/2021         | 9/16/2021         | 12/16/2021         |             |            |
| 31                                      | 90                | 182               | 274               | 365                |             |            |
| Term AMERIBOR+Credit from 1-day Returns |                   |                   |                   |                    |             |            |
| 0.60753%                                | 0.60280%          | 0.59849%          | 0.59694%          | 0.59618%           |             |            |
| 1 00                                    | 1.00              | 1.00              | 1.00              | 1.00               |             |            |
| 1.00                                    | 1.00              | 1.00              |                   |                    |             |            |
| 1.00<br>1mo                             | 3mo               | 6mo               | 9mo               | 12mo               |             |            |
| 1mo<br>12/17/2020                       | 3mo<br>12/17/2020 | 6mo<br>12/17/2020 | 9mo<br>12/17/2020 | 12mo<br>12/17/2020 |             |            |
| 1mo                                     | 3mo               | 6mo               | 9mo               | 12mo               |             |            |

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