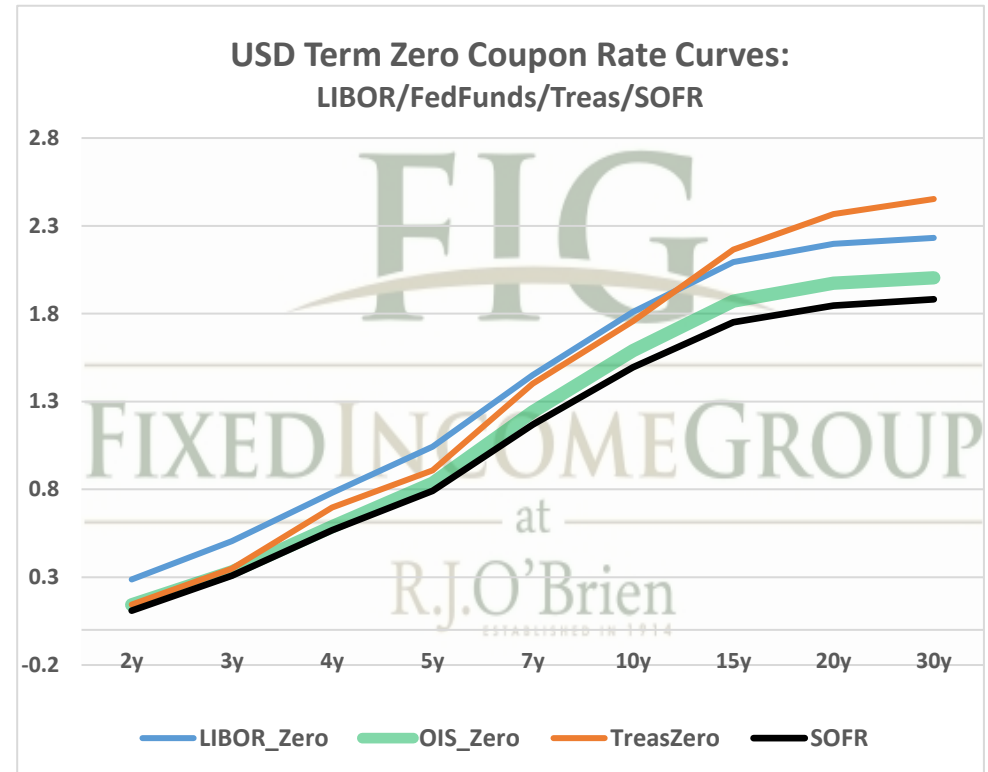
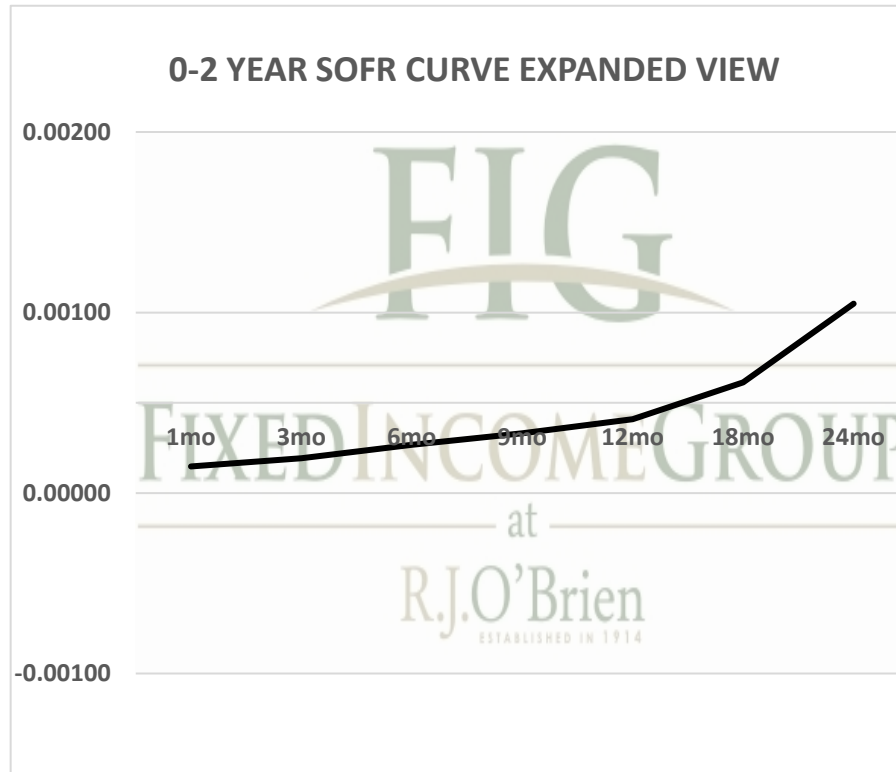


THE SOFR CURVE

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:

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The risk of loss in trading futures and/or options is substantial, and each investor and/or trader must consider whether this is a suitable investment.

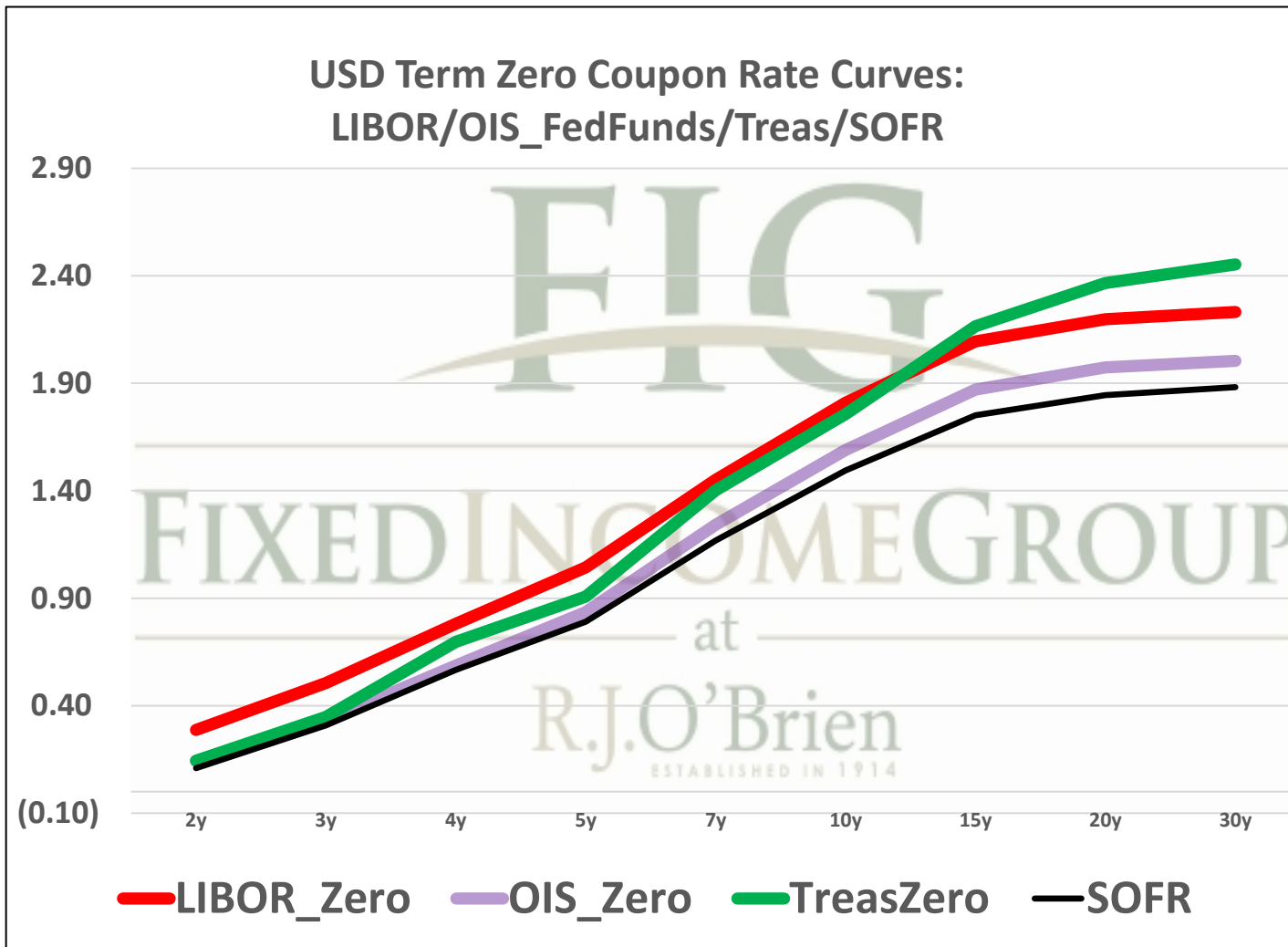
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| Term SOFR from 1-day Returns | | | | | | |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0.01472% | 0.01925% | 0.02669% | 0.03315% | 0.04082% | 0.06128% | 0.10490% |
| 1.00001227 | 1.000048661 | 1.00013567 | 1.000253212 | 1.000413915 | 1.000932764 | 1.00212706 |
| 1mo | 3mo | 6mo | 9mo | 12mo | 18mo | 24mo |
| 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 |
| 4/29/2021 | 6/29/2021 | 9/29/2021 | 12/30/2021 | 3/30/2022 | 9/29/2022 | 3/30/2023 |
| 30 | 91 | 183 | 275 | 365 | 548 | 730 |
| Term SOFR+Credit from 1-day Returns | | | | | | |
| 0.57486% | 0.58075% | 0.58854% | 0.59544% | 0.60358% | 0.62511% | 0.67020% |
| 1.000479051 | 1.001468015 | 1.00299175 | 1.004548466 | 1.006119638 | 1.009515586 | 1.01359011 |
| 1mo | 3mo | 6mo | 9mo | 12mo | 18mo | 24mo |
| 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 |
| 4/29/2021 | 6/29/2021 | 9/29/2021 | 12/30/2021 | 3/30/2022 | 9/29/2022 | 3/30/2023 |
| 30 | 91 | 183 | 275 | 365 | 548 | 730 |
| Term AMERIBOR from 1-day Returns | | | | | | |
| 0.08711% | 0.08440% | 0.08534% | 0.08607% | 0.07900% | | |
| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | |
| 1mo | 3mo | 6mo | 9mo | 12mo | | |
| 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | | |
| 4/29/2021 | 6/29/2021 | 9/29/2021 | 12/30/2021 | 3/30/2022 | | |
| 30 | 91 | 183 | 275 | 365 | | |
| Term AMERIBOR+Credit from 1-day Returns | | | | | | |
| 0.64801% | 0.64530% | 0.64624% | 0.64697% | 0.63990% | | |
| 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | |
| 1mo | 3mo | 6mo | 9mo | 12mo | | |
| 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | 3/31/2021 | | |
| 4/29/2021 | 6/29/2021 | 9/29/2021 | 12/30/2021 | 3/30/2022 | | |
| 30 | 91 | 183 | 275 | 365 | | |

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