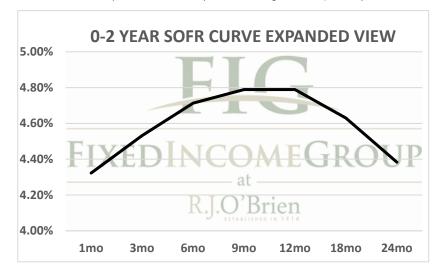
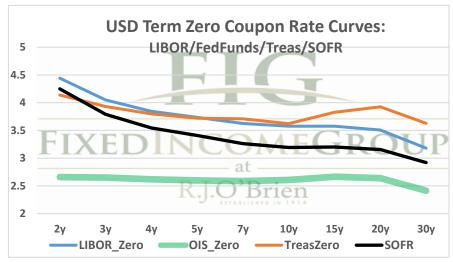
THE STIR CURVE: Distributed by The Fixed Income Group at RJ O'Brien

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 a few 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.





** Futures indicative prices supplied for analytics purposes only. Rates are not intended as a real-time offer to buy or sell.

| Term SOFR from 1-day Returns | | | | | | | |
|------------------------------|--------------------|-------------|------------|-------------|-------------|-------------|-------------|
| 4.32275% | 4.53153% | 4.71269% | 4.78890% | 4.78868% | 4.62960% | 4.38349% | 4.05029% |
| 1.00372237 | 1.011328814 | 1.023825267 | 1.03644887 | 1.048551887 | 1.070472815 | 1.089009261 | 1.123308917 |
| 1mo | 3mo | 6mo | 9mo | 12mo | 18mo | 24mo | 36mo |
| 12/22/2022 | 12/22/2022 | 12/22/2022 | 12/22/2022 | 12/22/2022 | 12/22/2022 | 12/22/2022 | 12/22/2022 |
| 1/21/2023 | 3/21/2023 | 6/21/2023 | 9/21/2023 | 12/21/2023 | 6/21/2024 | 12/21/2024 | 12/21/2025 |
| 31 | 90 | 182 | 274 | 365 | 548 | 731 | 1096 |
| | 12/22/2022 7:09 ct | | | | | | |

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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