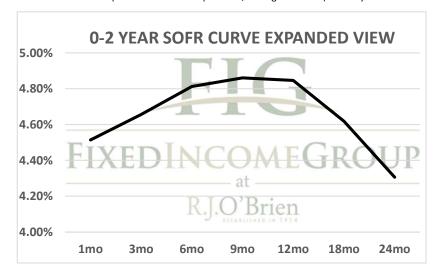
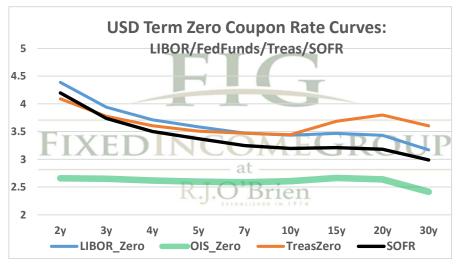
THE STIR CURVE: Distributed by The Fixed Income Group at RJ O'Brien

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 | | | | | | | |
|------------------------------|-------------------|-------------|------------|-------------|-------------|-------------|-------------|
| 4.51381% | 4.65553% | 4.81242% | 4.86121% | 4.84599% | 4.61812% | 4.30639% | 3.91494% |
| 1.00388689 | 1.011638816 | 1.024195769 | 1.03686418 | 1.049132922 | 1.070169752 | 1.087443702 | 1.119188109 |
| 1mo | 3mo | 6mo | 9mo | 12mo | 18mo | 24mo | 36mo |
| 1/23/2023 | 1/23/2023 | 1/23/2023 | 1/23/2023 | 1/23/2023 | 1/23/2023 | 1/23/2023 | 1/23/2023 |
| 2/22/2023 | 4/22/2023 | 7/22/2023 | 10/22/2023 | 1/22/2024 | 7/22/2024 | 1/22/2025 | 1/22/2026 |
| 31 | 90 | 181 | 273 | 365 | 547 | 731 | 1096 |
| | 1/23/2023 8:39 ct | | | | | | |

For more information on the Libor replacement, contact:

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