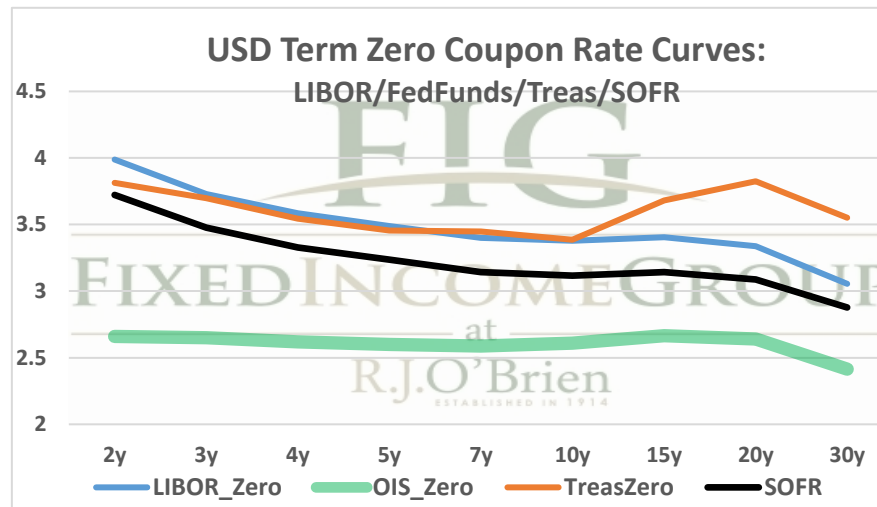
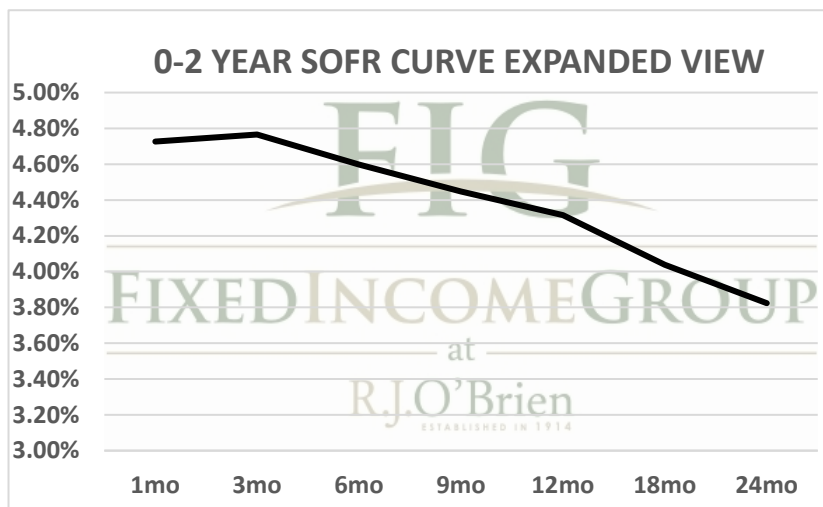


THE STIR CURVE: Distributed by The Fixed Income Group at RJ O'Brien

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 | | | | | | | |
|------------------------------|-------------|-----------|------------|-------------|-------------|-------------|-----------|
| 4.72697% | 4.76562% | 4.59753% | 4.44717% | 4.31521% | 4.03751% | 3.82364% | 3.64080% |
| 1.00407045 | 1.012178819 | 1.0234985 | 1.03397146 | 1.043871285 | 1.061684133 | 1.077641177 | 1.1108421 |
| 1mo | 3mo | 6mo | 9mo | 12mo | 18mo | 24mo | 36mo |
| 3/20/2023 | 3/20/2023 | 3/20/2023 | 3/20/2023 | 3/20/2023 | 3/20/2023 | 3/20/2023 | 3/20/2023 |
| 4/19/2023 | 6/19/2023 | 9/19/2023 | 12/19/2023 | 3/19/2024 | 9/19/2024 | 3/19/2025 | 3/19/2026 |
| 31 | 92 | 184 | 275 | 366 | 550 | 731 | 1096 |
| 3/20/2023 6:35 ct | | | | | | | |

For more information on the Libor replacement, contact: Rocco Chierici: 312-373-5439 SVP Fixed Income Group at RJO
 Corrine Baynes: 800-367-3349 VP Fixed Income Group at RJO

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