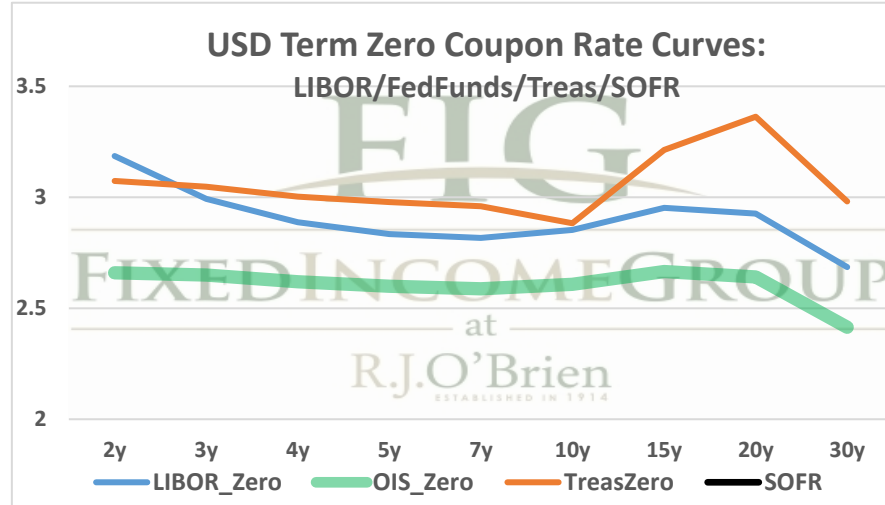
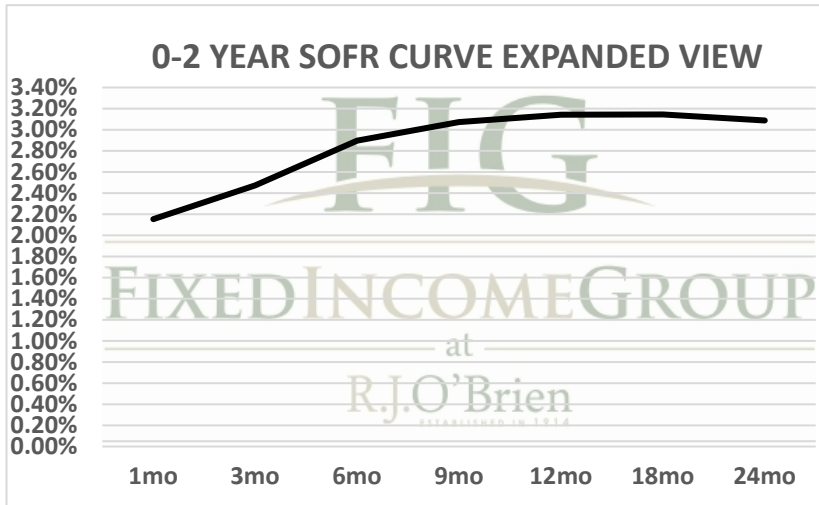


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Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to offer a few options for users: compounded, setting in arrears (currently 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.

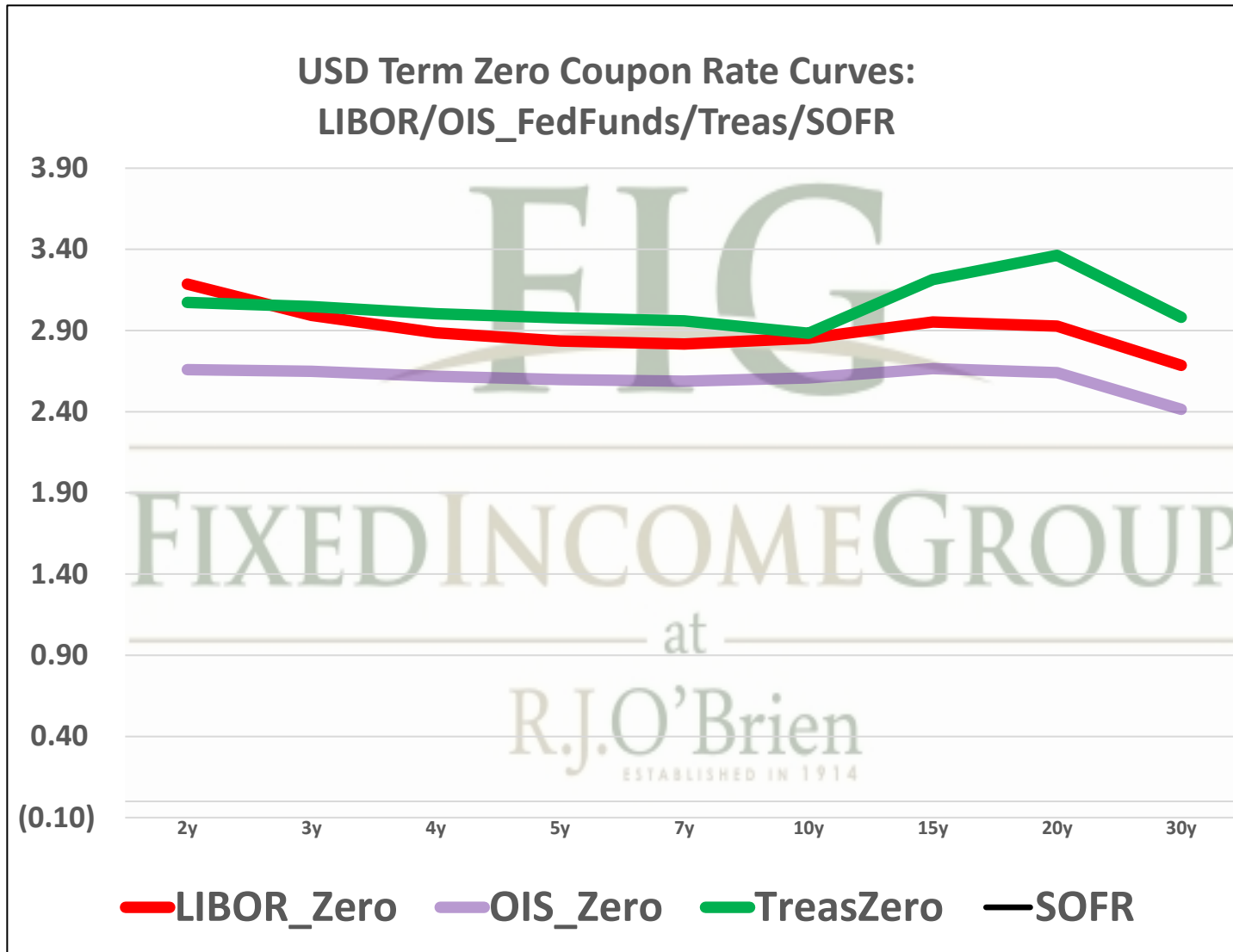
Term SOFR from 1-day Returns							
2.15323%	2.47342%	2.89532%	3.07222%	3.14287%	3.14475%	3.08851%	2.97128%
1.00185417	1.006320974	1.014798284	1.02338298	1.03186519	1.047957474	1.0627139	1.090458826
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
7/21/2022	7/21/2022	7/21/2022	7/21/2022	7/21/2022	7/21/2022	7/21/2022	7/21/2022
8/20/2022	10/20/2022	1/20/2023	4/20/2023	7/20/2023	1/20/2024	7/20/2024	7/20/2025
31	92	184	274	365	549	731	1096
AMERIBOR 30T Term Curve							
1.89709%	2.35325%	2.87501%	3.16087%	3.31327%	3.40387%	3.40781%	3.36324%
1.00142979	1.005721347	1.014365448	1.02370143	1.033261161	1.051615441	1.068915291	1.102666802
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
7/18/2022	7/18/2022	7/18/2022	7/18/2022	7/18/2022	7/18/2022	7/18/2022	7/18/2022
8/18/2022	10/18/2022	1/18/2023	4/18/2023	7/18/2023	1/18/2024	7/18/2024	7/18/2025
31	92	184	274	365	549	731	1096

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

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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