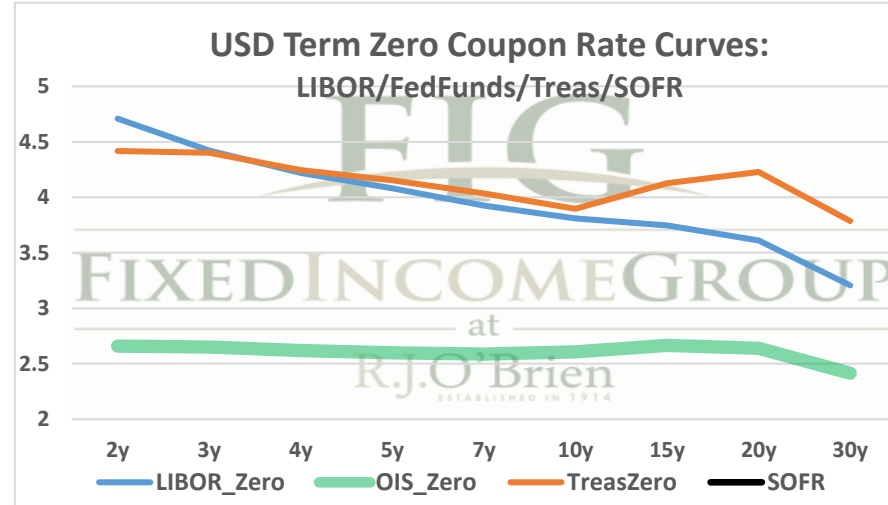
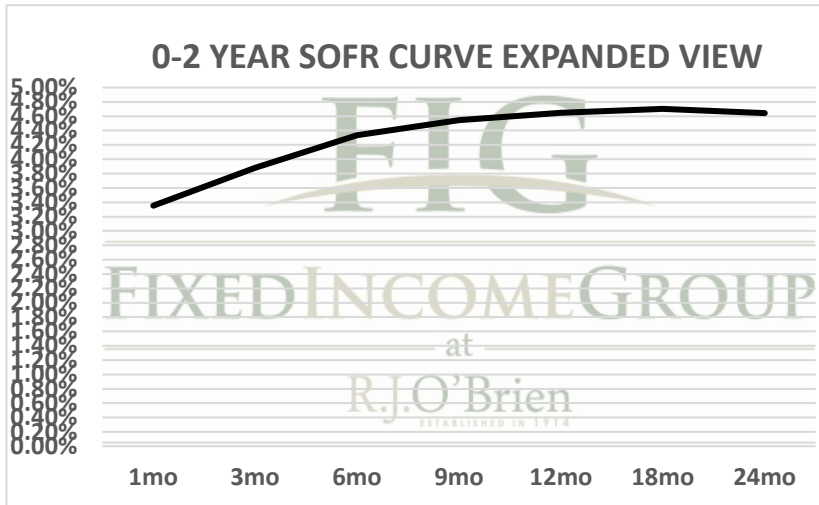


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Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to offer a few options for users: compounded, setting in arrears (currently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

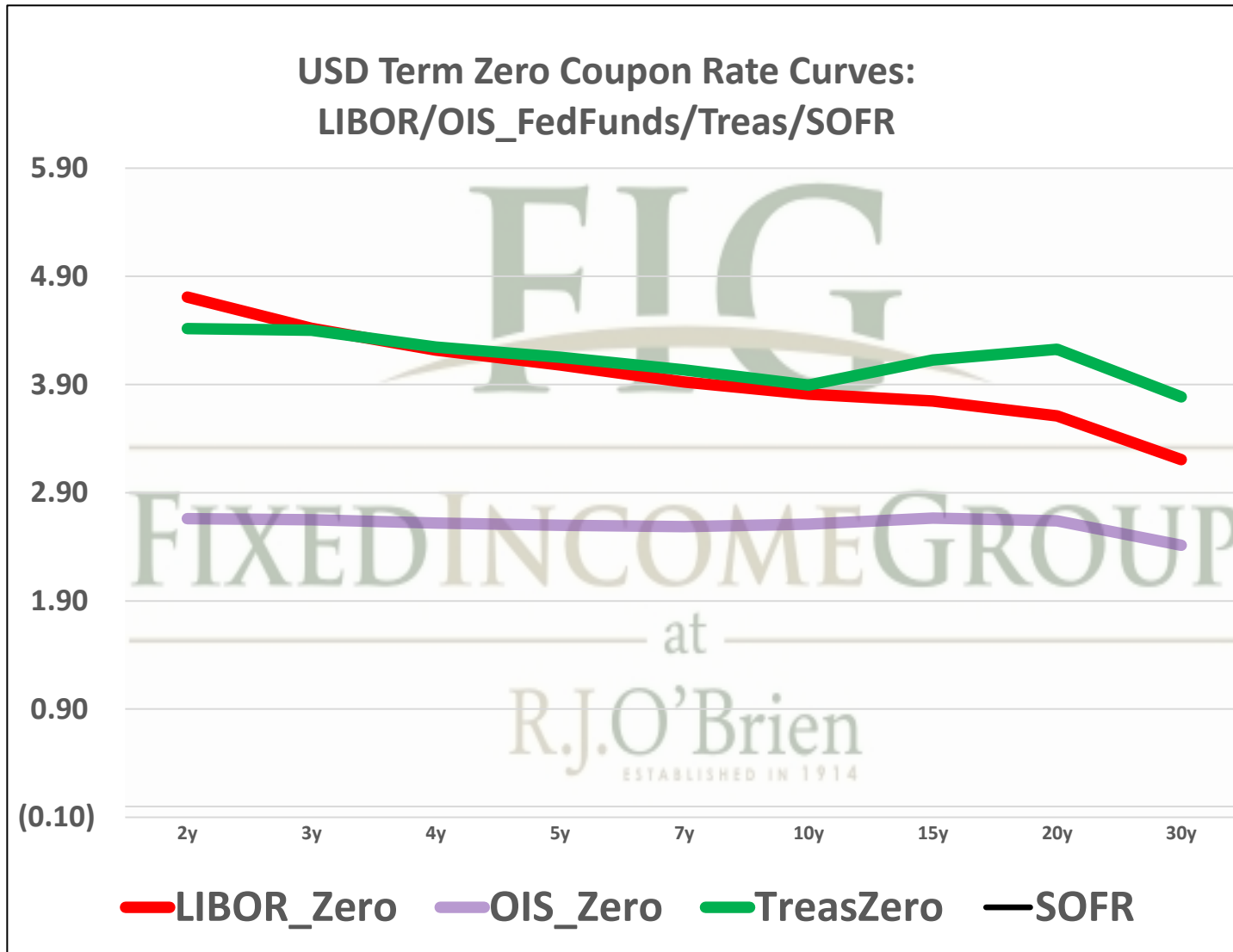
Term SOFR from 1-day Returns							
3.35267%	3.88060%	4.33545%	4.54313%	4.64791%	4.70174%	4.64169%	4.48030%
1.00288702	1.009917095	1.021918106	1.03445206	1.047124666	1.07157097	1.094252102	1.136400124
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
10/14/2022	10/14/2022	10/14/2022	10/14/2022	10/14/2022	10/14/2022	10/14/2022	10/14/2022
11/13/2022	1/13/2023	4/13/2023	7/13/2023	10/13/2023	4/13/2024	10/13/2024	10/13/2025
31	92	182	273	365	548	731	1096
AMERIBOR 30T Term Curve							
3.24869%	3.89511%	4.39285%	4.62759%	4.73888%	4.36314%	4.10999%	#VALUE!
1.00198407	1.008795027	1.020943934	1.03381028	1.046765609	1.06557155	1.082640202	#VALUE!
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
10/4/2022	10/4/2022	10/4/2022	10/4/2022	10/4/2022	10/4/2022	10/4/2022	10/4/2022
11/4/2022	1/4/2023	4/4/2023	7/4/2023	10/4/2023	4/4/2024	10/4/2024	10/4/2025
31	92	182	273	365	548	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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