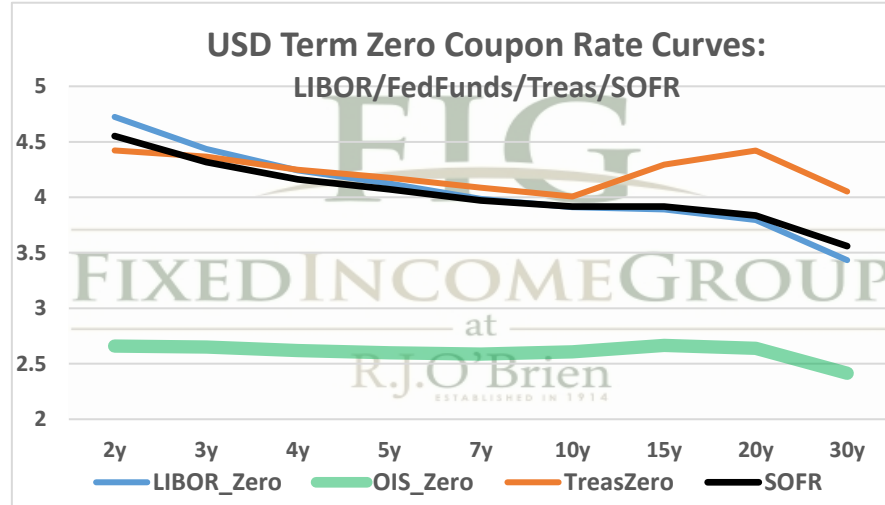
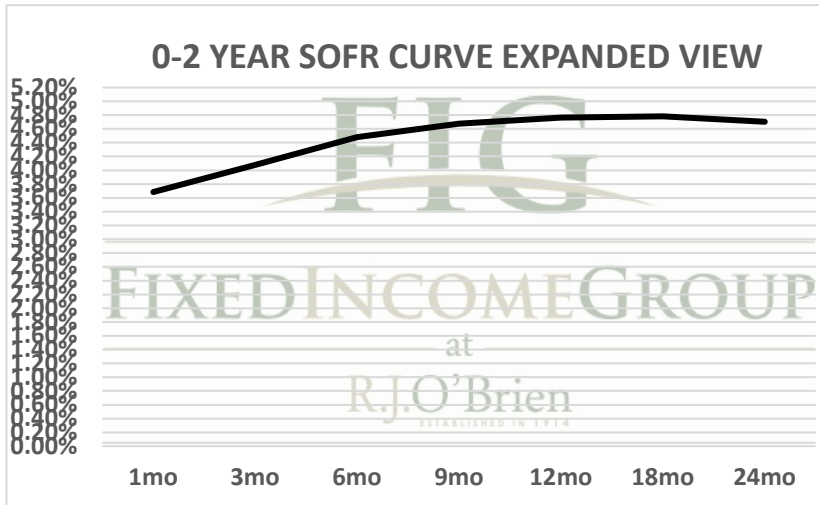


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Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to offer a few options for users: compounded, setting in arrears (currently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

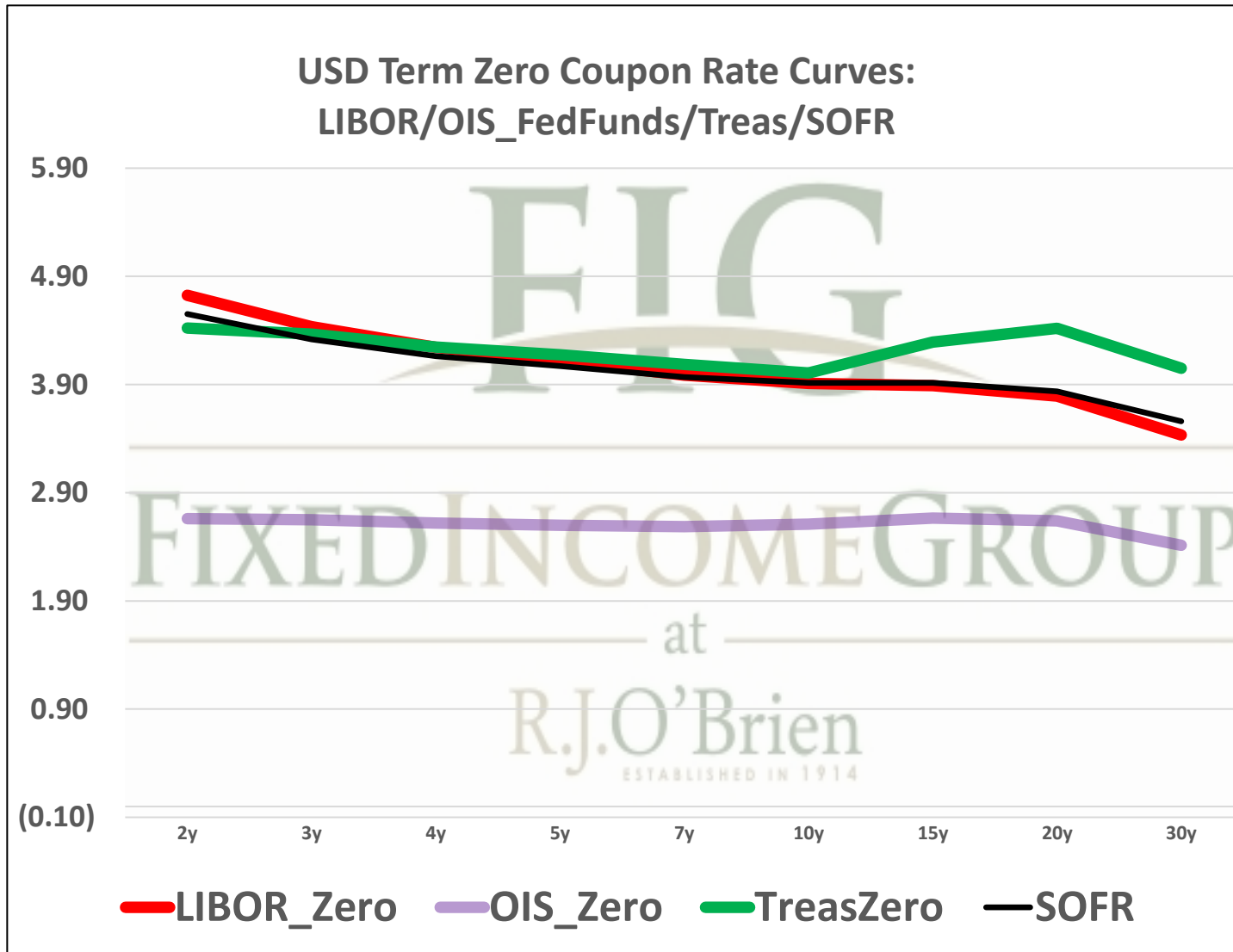
Term SOFR from 1-day Returns							
3.68471%	4.07581%	4.48136%	4.67317%	4.76338%	4.78158%	4.70178%	4.53585%
1.00317294	1.010415965	1.022655767	1.03543818	1.048295394	1.072786214	1.095472245	1.138091444
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
10/29/2022	10/29/2022	10/29/2022	10/29/2022	10/29/2022	10/29/2022	10/29/2022	10/29/2022
11/28/2022	1/28/2023	4/28/2023	7/28/2023	10/28/2023	4/28/2024	10/28/2024	10/28/2025
31	92	182	273	365	548	731	1096
AMERIBOR 30T Term Curve							
3.68009%	4.12811%	4.56099%	4.77906%	4.87688%	4.47645%	4.18738%	#VALUE!
1.0024087	1.009647701	1.022071048	1.03523115	1.048446642	1.067443563	1.084396191	#VALUE!
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022	10/24/2022
11/24/2022	1/24/2023	4/24/2023	7/24/2023	10/24/2023	4/24/2024	10/24/2024	10/24/2025
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.

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