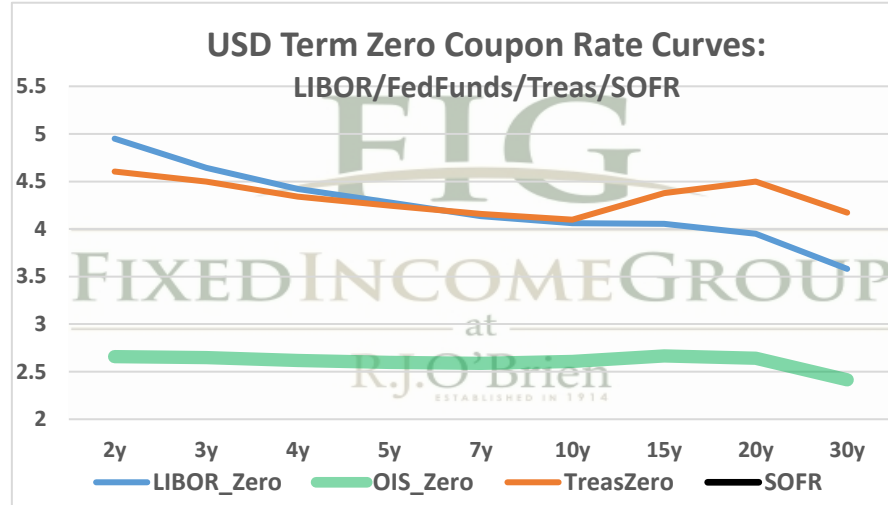
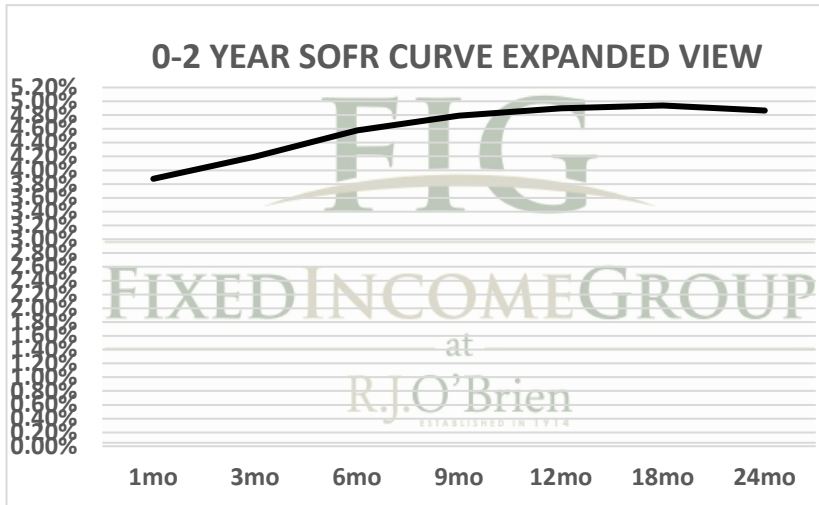


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Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to offer a few options for users: compounded, setting in arrears (currently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

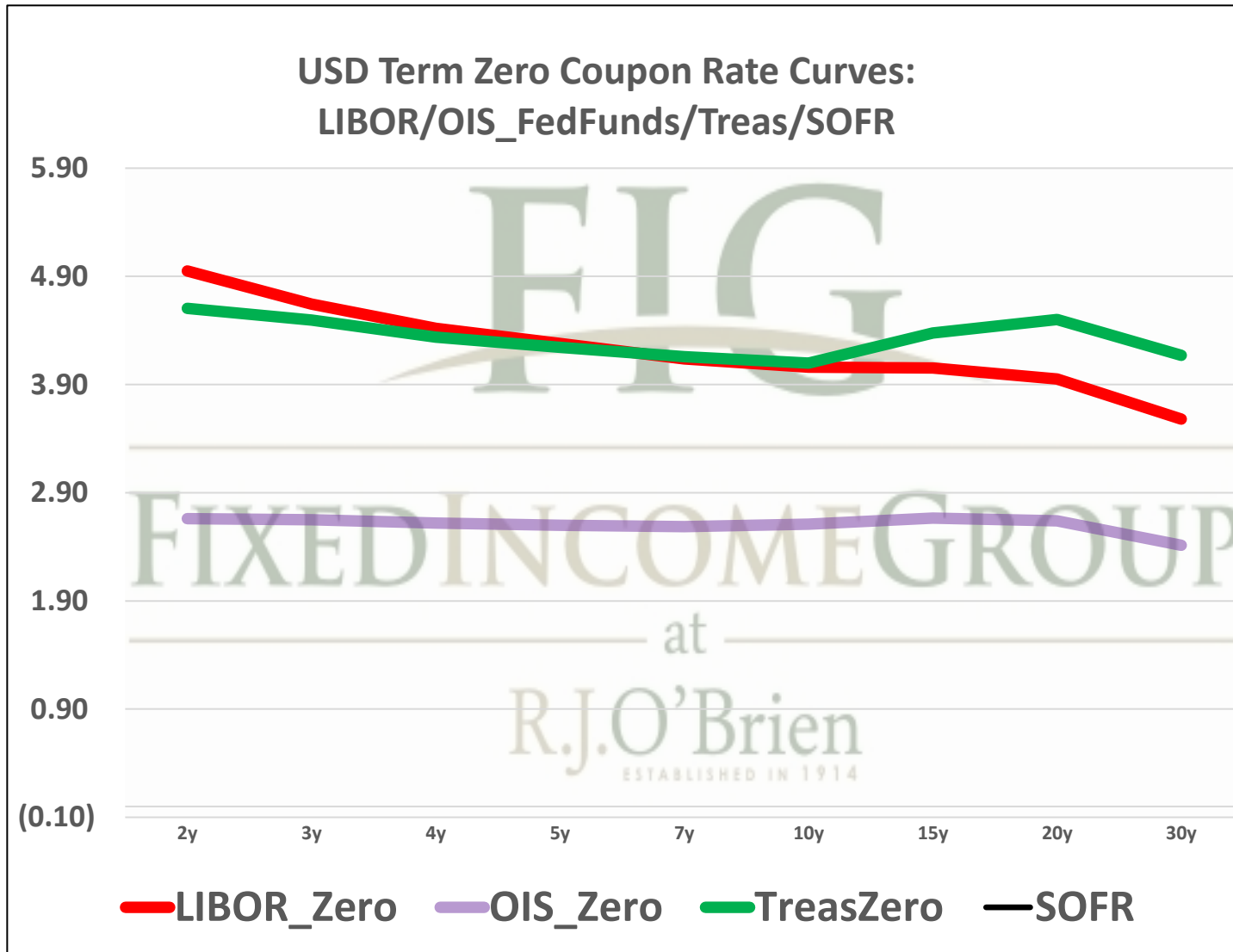
Term SOFR from 1-day Returns							
3.87653%	4.19964%	4.57893%	4.79114%	4.89754%	4.93889%	4.86632%	4.67919%
1.00323044	1.010732421	1.023021831	1.03633279	1.049655643	1.075043623	1.098813355	1.142455335
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
11/8/2022	11/8/2022	11/8/2022	11/8/2022	11/8/2022	11/8/2022	11/8/2022	11/8/2022
12/7/2022	2/7/2023	5/7/2023	8/7/2023	11/7/2023	5/7/2024	11/7/2024	11/7/2025
30	92	181	273	365	547	731	1096
AMERIBOR 30T Term Curve							
3.92982%	4.24402%	4.66303%	4.90774%	4.94239%			
1.00283895	1.010333666	1.02285739	1.03661441	1.049614446			
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo
11/4/2022	11/4/2022	11/4/2022	11/4/2022	11/4/2022	11/4/2022	11/4/2022	11/4/2022
12/4/2022	2/4/2023	5/4/2023	8/4/2023	11/4/2023	5/4/2024	11/4/2024	11/4/2025
30	92	181	273	365	547	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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