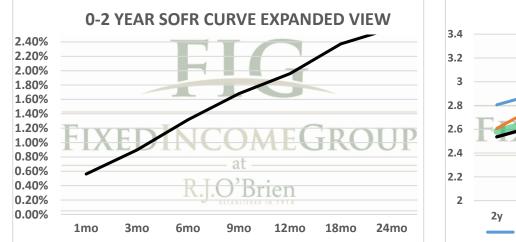
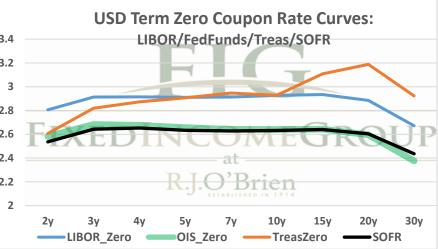
Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to

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.

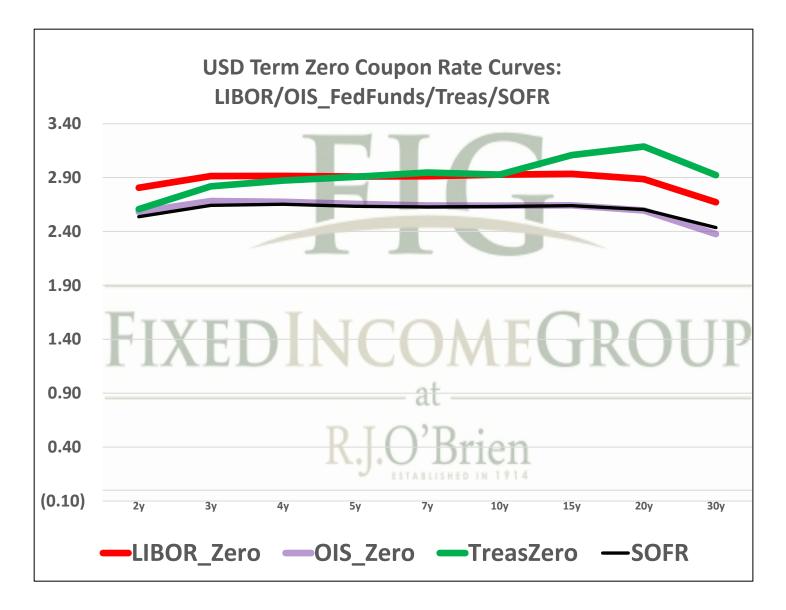


For



** 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								
0.56183%	0.89726%	1.31879%	1.68035%	1.95907%	2.37238%	2.58945%	2.75660%	
1.0004682	1.002268067	1.006703872	1.01283604	1.019862763	1.036112842	1.052580206	1.083923263	
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo	
4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	
5/19/2022	7/19/2022	10/19/2022	1/19/2023	4/19/2023	10/19/2023	4/19/2024	4/19/2025	
30	91	183	275	365	548	731	1096	
AMERIBOR 30T Term Curve								
0.52418%	0.95664%	1.43681%	1.82879%	2.13048%	2.59475%	2.84869%	3.04147%	
1.0004633	1.002460697	1.007366584	1.01404752	1.02169001	1.039597382	1.057902554	1.093062147	
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo	
4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	4/20/2022	
5/20/2022	7/20/2022	10/20/2022	1/20/2023	4/20/2023	10/20/2023	4/20/2024	4/20/2025	
30	91	183	275	365	548	731	1096	
ore information on the Libor replacement, contact:				Rocco Chierici:	312-373-543	39 SVP the Fix	SVP the Fixed Income Group a	
				Corrine Baynes:	800-367-334	49 VP the Fixe	VP the Fixed Income Group at	



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4/20/2022 6:24

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NO SIO