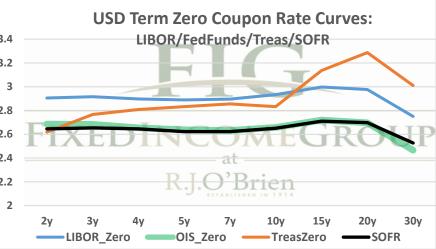
Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to

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.

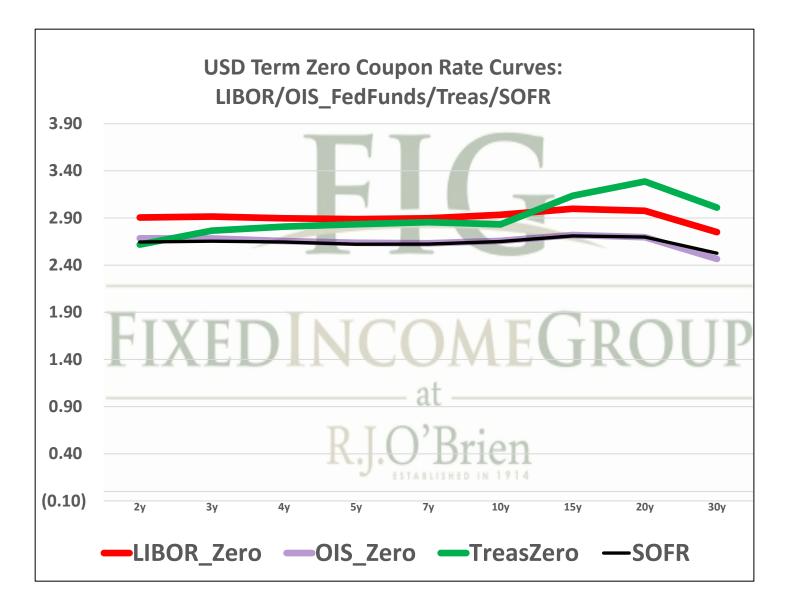


For



** 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								
0.94802%	1.28824%	1.71335%	2.06526%	2.30542%	2.58752%	2.69088%	2.75803%	
1.00081635	1.003292165	1.008757116	1.01583365	1.023374419	1.039459701	1.054639859	1.08396659	
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo	
5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	
6/19/2022	8/19/2022	11/19/2022	2/19/2023	5/19/2023	11/19/2023	5/19/2024	5/19/2025	
31	92	184	276	365	549	731	1096	
AMERIBOR 30T Term Curve								
0.98580%	1.27259%	1.74571%	2.12294%	2.38431%	2.68158%	2.79751%	2.85848%	
1.00087891	1.00326643	1.00897009	1.01636119	1.024215229	1.040982511	1.056889069	1.087612018	
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo	
5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	5/20/2022	
6/20/2022	8/20/2022	11/20/2022	2/20/2023	5/20/2023	11/20/2023	5/20/2024	5/20/2025	
31	92	184	276	365	549	731	1096	
ore information on the Libor replacement, contact:				Rocco Chierici:	312-373-54	39 SVP the Fix	SVP the Fixed Income Group a	
			Corrine Baynes:	800-367-33	49 VP the Fixe	VP the Fixed Income Group at I		



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NO SIO