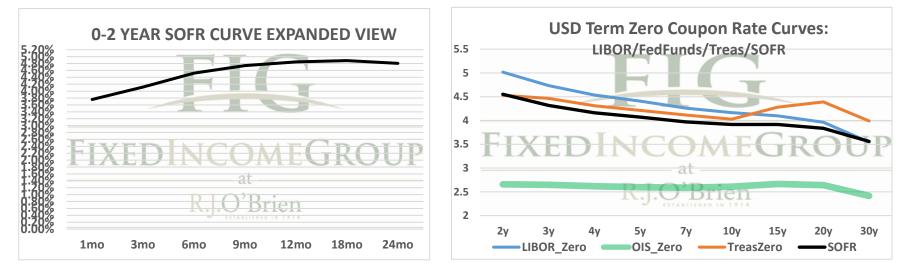
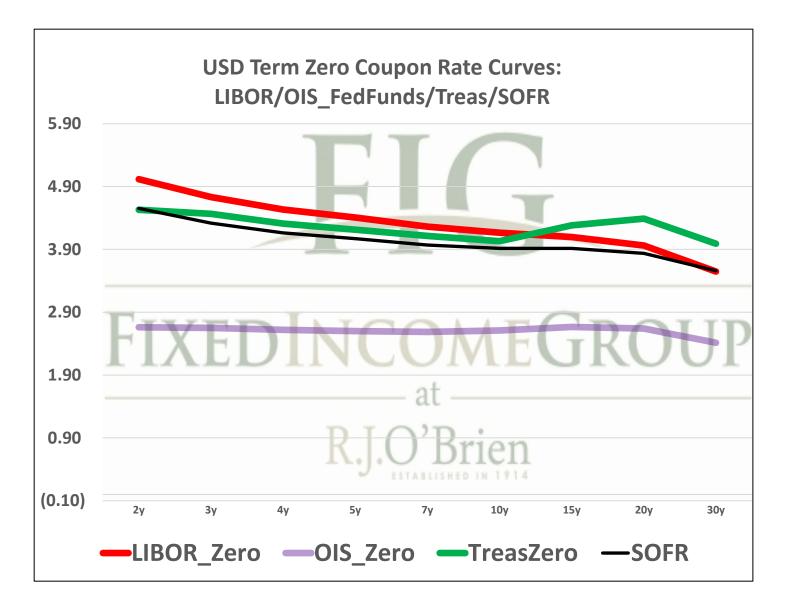
Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to

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 se	** Futures indicative	e prices supplied fo	r analytics purposes on	ly. Rates are not intended as a	real-time offer to buy or se
---	-----------------------	----------------------	-------------------------	---------------------------------	------------------------------

Term SOFR from 1-day Returns									
3.75868%	4.11769%	4.52032%	4.74138%	4.84911%	4.88531%	4.80568%	4.62340%		
1.00313223	1.010522993	1.022727177	1.03595543	1.049164603	1.074229616	1.097582079	1.140756922		
1mo	3mo	6mo	9mo	12mo	18mo	24mo	36mo		
11/1/2022	11/1/2022	11/1/2022	11/1/2022	11/1/2022	11/1/2022	11/1/2022	11/1/2022		
11/30/2022	1/31/2023	4/30/2023	7/31/2023	10/31/2023	4/30/2024	10/31/2024	10/31/2025		
30	92	181	273	365	547	731	1096		
AMERIBOR 30T Term Curve									
3.73402%	4.14530%	4.58612%	4.84371%	4.94822%					
1.00222433	1.00943705	1.021890637	1.03538401	1.048845482					
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		
ore information on the Libor replacement, contact:			Rocco Chierici:	312-373-543	39 SVP the Fix	ed Income Group			
			Corrine Baynes:	800-367-334	19 VP the Fixe	d Income Group at			



** Futures indicative prices supplied for analytics purposes only. Rates are not intended as a real-time offer to buy or sell.

11/3/2022 6:58

ct