

**CU Investment Solutions, LLC**

Brady McLeod, Registered Representative  
Walter Thompson, Registered Representative  
Julie Chapin, Registered Representative  
Chris Hageman, Registered Representative  
Rachel Palmer, Registered Representative  
Call 855-882-8474

**New Issue Offerings  
3/17/2023**

Fixed Rate Callables												
Issuer	Cusip	Coupon	Maturity	Call Date	Price	Years To	Lockout	Call Frequency	Settle Date	Spread to Interp		
						Maturity	in Months			Treas	YTM	YTC
FEDERAL HOME LOAN BANK	3130AVFH0	5.200	3/27/2026	12/27/2023	100	2.99	9	Quarterly	3/30/2023	1.29	5.200	5.200

All securities are offered through CU Investment Solutions LLC (ISI). The home office of ISI is located at 8500 W. 110th St., Overland Park, KS 66210. ISI is registered with the Securities and Exchange Commission (SEC) as a broker-dealer under the Securities Exchange Act of 1934. ISI also is registered in the state of Kansas as an investment advisor. Member of FINRA and SIPC. All investments carry risk; please speak with your representative to gain a full understanding of said risks. Securities offered by ISI are not insured by the FDIC or NCUSIF and may lose value. All opinions, prices and yields are subject to change without notice.

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## Secondary Offerings 3/17/2023

### Callables

Issuer	Coupon	Maturity	Call Date	Call Type	Price	YTC	YTM	YTM Spread to Interp Treas	Cusip
FEDERAL HOME LOAN BANK	0.950	6/28/2024	3/28/2023	Quarterly	95.67	204.200	4.489	0.21	3130AQ6V0
FEDERAL HOME LOAN BANK	4.000	8/28/2025	5/28/2023	Quarterly	98.98	9.473	4.445	0.45	3130ASYR4
FEDERAL HOME LOAN BANK	1.000	7/27/2026	3/27/2023	Monthly	90.52	539.081	4.053	0.20	3130ANED8
FEDERAL HOME LOAN BANK	4.500	7/26/2027	4/26/2023	Quarterly	99.17	12.779	4.711	1.01	3130ASLA5
FANNIE MAE	0.810	9/25/2028	9/25/2024	Annual	86.02	11.096	3.631	0.04	3136G43D3

### Bullets

Issuer	Coupon	Maturity	Price	Yield	Spread to Interp	Benchmark	Cusip
FEDERAL HOME LOAN BANK	5.250	3/6/2024	100.60	4.602	0.25	T 4 5/8 02/28/25	3130AVAJ1
FEDERAL HOME LOAN BANK	4.875	6/14/2024	100.41	4.517	0.24	T 4 5/8 02/28/25	3130ATVC8
FEDERAL HOME LOAN BANK	4.875	9/13/2024	100.67	4.402	0.20	T 4 5/8 02/28/25	3130ATVD6
FEDERAL HOME LOAN BANK	4.625	12/13/2024	100.53	4.297	0.16	T 4 5/8 02/28/25	3130ATUR6
FEDERAL HOME LOAN BANK	4.300	2/3/2025	100.22	4.177	0.09	T 4 5/8 02/28/25	3130AUT95
FEDERAL HOME LOAN BANK	4.625	3/14/2025	100.78	4.207	0.15	T 4 5/8 02/28/25	3130AUZC1
FANNIE MAE	0.375	8/25/2025	91.95	3.877	-0.12	T 4 5/8 02/28/25	3135G05X7
FARMER MAC	3.950	2/2/2026	99.95	3.967	0.05	T 4 5/8 03/15/26	31422XV66
FEDERAL HOME LOAN BANK	4.500	3/13/2026	101.37	4.007	0.10	T 4 5/8 03/15/26	3130AV6J6
FANNIE MAE	2.125	4/24/2026	94.94	3.877	-0.02	T 4 5/8 03/15/26	3135G0K36
FEDERAL HOME LOAN BANK	4.500	3/12/2027	102.55	3.802	0.05	T 4 5/8 03/15/26	3130AVBC5
FEDERAL FARM CREDIT BANK	4.125	12/1/2027	101.99	3.661	0.02	T 4 02/29/28	3133EPCG8
FEDERAL FARM CREDIT BANK	3.625	3/21/2028	99.32	3.776	0.18	T 4 02/29/28	3133EPDP7

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### Indicative Offerings - Mortgage-Backed Securities 3/17/2023

MBS Pools										
Issue	Coupon	WAL	Yield	I Spread	Price	Principal	Type	Current Face	Cusip	
FN MA4994	4.00	5.89	4.21	64	98.88	05/23-02/38	15 Year	10,000,000	31418ERQ5	
FN MA4990	4.50	5.90	4.47	90	100.06	05/23-02/38	15 Year	10,000,000	31418ERL6	
FN MA4992	5.00	5.57	4.74	117	101.09	05/23-12/37	15 Year	10,000,000	31418ERN2	
FN MA4991	5.50	4.97	4.99	140	102.00	05/23-10/37	15 Year	10,000,000	31418ERM4	

CMOs										
Issue	Coupon	WAL	Yield	I Spread	Price	FMED U300 % Change	Principal Window	Type	Current Face	Cusip
FNR 2023-9 DA	5.00	4.51	4.74	109	100.88	-13.0%	04/23-05/32	SEQ	9,962,035	3136BPZT1
FNR 2023-9 EA	5.50	3.52	4.86	107	101.81	-11.4%	04/23-02/30	SEQ	9,929,463	3136BPZW4

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## Treasury Offerings 3/17/2023

Bullets						
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip
US TREASURY N/B	4.250	9/30/2024	100.0423	4.220	1.54	91282CFN6
US TREASURY N/B	4.375	10/31/2024	100.2533	4.208	1.63	91282CFQ9
US TREASURY N/B	4.125	1/31/2025	100.0775	4.079	1.88	91282CGG0
US TREASURY N/B	2.750	7/31/2023	99.3922	4.415	0.37	912828Y61
US TREASURY N/B	2.500	8/15/2023	99.1852	4.520	0.41	912828VS6
US TREASURY N/B	2.875	9/30/2023	99.1500	4.514	0.54	9128285D8
US TREASURY N/B	2.875	10/31/2023	99.0445	4.467	0.62	9128285K2
US TREASURY N/B	2.875	11/30/2023	98.9156	4.465	0.71	9128285P1
US TREASURY N/B	2.250	12/31/2023	98.3102	4.470	0.79	912828V23
US TREASURY N/B	2.250	1/31/2024	98.1667	4.425	0.88	912828V80
US TREASURY N/B	2.375	2/29/2024	98.1433	4.400	0.96	9128286G0
US TREASURY N/B	2.250	3/31/2024	97.8620	4.395	1.04	91282CEG2
US TREASURY N/B	2.500	4/30/2024	97.9948	4.363	1.12	91282CEK3
US TREASURY N/B	2.500	5/15/2024	97.9792	4.310	1.16	912828WJ5
US TREASURY N/B	3.000	6/30/2024	98.4011	4.292	1.29	91282CEX5
US TREASURY N/B	3.000	7/31/2024	98.3152	4.279	1.38	91282CFA4
US TREASURY N/B	3.250	8/31/2024	98.6198	4.243	1.46	91282CFG1
US TREASURY N/B	4.250	9/30/2024	100.0573	4.210	1.54	91282CFN6
US TREASURY N/B	4.375	10/31/2024	100.2683	4.199	1.63	91282CFQ9
US TREASURY N/B	4.500	11/30/2024	100.5573	4.153	1.71	91282CFX4
US TREASURY N/B	2.250	12/31/2024	96.8542	4.097	1.79	9128283P3
US TREASURY N/B	2.500	1/31/2025	97.2448	4.045	1.88	9128283V0
US TREASURY N/B	2.750	2/28/2025	97.7163	3.981	1.96	9128283Z1
US TREASURY N/B	2.625	3/31/2025	97.4194	3.960	2.04	9128284F4
US TREASURY N/B	2.875	4/30/2025	97.8022	3.968	2.12	9128284M9
US TREASURY N/B	2.750	5/15/2025	97.5053	3.968	2.16	91282CEQ0
US TREASURY N/B	2.875	6/15/2025	97.7163	3.949	2.25	91282CEU1
US TREASURY N/B	3.000	7/15/2025	97.9194	3.945	2.33	91282CEY3
US TREASURY N/B	3.125	8/15/2025	98.1616	3.931	2.42	91282CFE6
US TREASURY N/B	3.500	9/15/2025	99.0600	3.900	2.50	91282CFK2
US TREASURY N/B	4.250	10/15/2025	100.8100	3.915	2.58	91282CFP1
US TREASURY N/B	4.500	11/15/2025	101.4897	3.902	2.67	91282CFW6
US TREASURY N/B	4.000	12/15/2025	100.3725	3.854	2.75	91282CGA3
US TREASURY N/B	2.625	1/31/2026	96.7306	3.839	2.88	9128286A3
US TREASURY N/B	2.500	2/28/2026	96.3244	3.831	2.96	9128286F2
US TREASURY N/B	2.250	3/31/2026	95.6056	3.799	3.04	9128286L9
US TREASURY N/B	2.375	4/30/2026	95.9025	3.782	3.12	9128286S4
US TREASURY N/B	2.125	5/31/2026	95.0509	3.782	3.21	9128286X3
US TREASURY N/B	1.875	6/30/2026	94.2228	3.762	3.29	9128287B0
US TREASURY N/B	1.875	7/31/2026	94.0822	3.762	3.38	912828Y95

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Issuer	Coupon	Maturity	Price	Yield	Years	Cusip	
US TREASURY N/B	1.500	8/15/2026	92.8478	3.755	3.42	9128282A7	
US TREASURY N/B	1.625	9/30/2026	93.0666	3.740	3.54	912828YG9	
US TREASURY N/B	1.625	10/31/2026	92.9338	3.733	3.63	912828YQ7	
US TREASURY N/B	2.000	11/15/2026	94.1291	3.733	3.67	912828U24	
US TREASURY N/B	1.750	12/31/2026	93.0353	3.742	3.79	912828YX2	
US TREASURY N/B	1.500	1/31/2027	92.0731	3.719	3.88	912828Z78	
US TREASURY N/B	2.250	2/15/2027	94.8153	3.686	3.92	912828V98	
US TREASURY N/B	2.500	3/31/2027	95.5419	3.701	4.04	91282CEF4	
US TREASURY N/B	2.750	4/30/2027	96.4013	3.701	4.12	91282CEN7	
US TREASURY N/B	2.625	5/31/2027	95.9247	3.681	4.21	91282CET4	
US TREASURY N/B	3.250	6/30/2027	98.2997	3.682	4.29	91282CEW7	
US TREASURY N/B	2.750	7/31/2027	96.3622	3.658	4.38	91282CFB2	
US TREASURY N/B	3.125	8/31/2027	97.9013	3.640	4.46	91282CFH9	
US TREASURY N/B	4.125	9/30/2027	102.0106	3.639	4.54	91282CFM8	
US TREASURY N/B	4.125	10/31/2027	102.0575	3.636	4.63	91282CFU0	
US TREASURY N/B	3.875	11/30/2027	101.1747	3.600	4.71	91282CFZ9	
US TREASURY N/B	3.875	12/31/2027	101.1591	3.608	4.79	91282CGC9	
US TREASURY N/B	0.750	1/31/2028	87.5250	3.564	4.88	91282CBJ9	
US TREASURY N/B	2.750	2/15/2028	96.3375	3.570	4.92	9128283W8	
US TREASURY N/B	1.250	3/31/2028	89.3844	3.574	5.04	91282CBS9	
US TREASURY N/B	1.250	4/30/2028	89.2516	3.568	5.13	91282CBZ3	
US TREASURY N/B	2.875	5/15/2028	96.6344	3.596	5.17	9128284N7	
US TREASURY N/B	1.250	6/30/2028	88.8531	3.585	5.29	91282CCH2	
US TREASURY N/B	1.000	7/31/2028	87.5328	3.573	5.38	91282CCR0	
US TREASURY N/B	5.500	8/15/2028	109.3688	3.579	5.42	912810FE3	
US TREASURY N/B	1.250	9/30/2028	88.3375	3.594	5.55	91282CCY5	
US TREASURY N/B	1.375	10/31/2028	88.8922	3.577	5.63	91282CDF5	
US TREASURY N/B	5.250	11/15/2028	108.7359	3.531	5.67	912810FF0	
US TREASURY N/B	1.375	12/31/2028	88.7203	3.550	5.80	91282CDP3	
US TREASURY N/B	1.750	1/31/2029	90.4534	3.567	5.88	91282CDW8	
US TREASURY N/B	5.250	2/15/2029	109.0238	3.543	5.92	912810FG8	
US TREASURY N/B	2.375	3/31/2029	93.5863	3.566	6.04	91282CEE7	
US TREASURY N/B	2.875	4/30/2029	96.2269	3.567	6.13	91282CEM9	
US TREASURY N/B	2.750	5/31/2029	95.4925	3.567	6.21	91282CES6	
US TREASURY N/B	3.250	6/30/2029	98.2113	3.570	6.29	91282CEV9	
US TREASURY N/B	2.625	7/31/2029	94.7659	3.550	6.38	91282CFC0	
US TREASURY N/B	6.125	8/15/2029	114.7894	3.526	6.42	912810FJ2	
US TREASURY N/B	3.875	9/30/2029	101.8519	3.555	6.55	91282CFL0	
US TREASURY N/B	4.000	10/31/2029	102.6331	3.549	6.63	91282CFT3	
US TREASURY N/B	3.875	11/30/2029	101.9613	3.543	6.71	91282CFY2	

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Issuer	Coupon	Maturity	Price	Yield	Years	Cusip	
US TREASURY N/B	3.875	12/31/2029	102.0706	3.528	6.80	91282CGB1	
US TREASURY N/B	0.625	5/15/2030	82.0225	3.486	7.17	912828ZQ6	
US TREASURY N/B	0.625	8/15/2030	81.5850	3.464	7.42	91282CAE1	
US TREASURY N/B	0.875	11/15/2030	82.9756	3.422	7.67	91282CAV3	
US TREASURY N/B	1.125	2/15/2031	84.4119	3.388	7.92	91282CBL4	
US TREASURY N/B	1.625	5/15/2031	87.1775	3.442	8.17	91282CCB5	
US TREASURY N/B	1.250	8/15/2031	84.0994	3.444	8.42	91282CCS8	
US TREASURY N/B	1.375	11/15/2031	84.6619	3.439	8.67	91282CDJ7	
US TREASURY N/B	1.875	2/15/2032	88.1031	3.436	8.92	91282CDY4	
US TREASURY N/B	2.875	5/15/2032	95.5719	3.443	9.17	91282CEP2	
US TREASURY N/B	2.750	8/15/2032	94.5250	3.436	9.42	91282CFF3	
US TREASURY N/B	4.125	11/15/2032	105.5813	3.440	9.67	91282CFV8	

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