

**CU Investment Solutions, LLC**

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



## New Issue Offerings 9/19/2023

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	3130AX5K0	5.450	6/28/2024	12/28/2023	100	0.75	3	Monthly	9/28/2023	0.10	5.462	5.462
FEDERAL HOME LOAN BANK	3130AX7C6	5.625	3/28/2025	12/28/2023	100	1.50	3	Quarterly	9/28/2023	0.44	5.625	5.625
FEDERAL HOME LOAN BANK	3130AXAA6	5.625	6/27/2025	12/27/2023	100	1.75	3	Quarterly	9/27/2023	0.50	5.631	5.631
FEDERAL HOME LOAN BANK	3130AX5F1	5.750	9/26/2025	12/26/2023	100	2.00	3	Quarterly	9/26/2023	0.67	5.750	5.750
FEDERAL HOME LOAN BANK	3130AXB33	5.420	9/26/2025	3/26/2024	100	1.99	6	Onetime	9/29/2023	0.34	5.420	5.420
FEDERAL HOME LOAN BANK	3130AXAP3	5.750	9/21/2026	3/21/2024	100	3.00	6	Anytime	9/21/2023	0.86	5.750	5.750
FEDERAL FARM CREDIT BANK	3133EPWE1	5.800	9/21/2026	12/21/2023	100	3.00	3	Anytime	9/21/2023	0.91	5.800	5.800
FEDERAL HOME LOAN BANK	3130AXAQ1	5.700	9/20/2027	9/20/2024	100	4.00	12	Anytime	9/20/2023	1.01	5.700	5.700
FEDERAL HOME LOAN BANK	3130AXB64	6.000	9/28/2027	12/28/2023	100	4.00	3	Quarterly	9/28/2023	1.31	6.000	6.000
FREDDIE MAC	3134H1CZ4	5.800	9/28/2027	6/28/2024	100	4.00	9	Quarterly	9/28/2023	1.11	5.800	5.800
FEDERAL FARM CREDIT BANK	3133EPWN1	6.000	9/22/2028	12/22/2023	100	5.01	3	Anytime	9/22/2023	1.50	6.000	6.000
FEDERAL HOME LOAN BANK	3130AXA32	5.950	9/28/2028	3/28/2024	100	5.01	6	Anytime	9/28/2023	1.45	5.950	5.950
FREDDIE MAC	3134H1BS1	6.125	9/28/2028	12/28/2023	100	5.01	3	Quarterly	9/28/2023	1.63	6.125	6.125
FREDDIE MAC	3134H1DE0	6.000	9/28/2028	3/28/2024	100	5.01	6	Quarterly	9/28/2023	1.50	6.000	6.000
FEDERAL HOME LOAN BANK	3130AXB98	6.030	9/27/2030	9/27/2024	100	7.01	12	Anytime	9/27/2023	1.59	6.030	6.030
FEDERAL HOME LOAN BANK	3130AXA40	6.340	9/26/2033	3/26/2024	100	10.01	6	Anytime	9/26/2023	1.98	6.340	6.340

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 9/19/2023

Callables									
Issuer	Coupon	Maturity	Call Date	Call Type	Price	YTC	YTM	YTM Spread to Interp Treas	Cusip
FREDDIE MAC	4.000	12/30/2024	9/30/2023	Quarterly	98.31	65.364	5.381	0.14	3134GXA61
FREDDIE MAC	4.000	2/28/2025	11/28/2023	Quarterly	98.17	13.909	5.336	0.13	3134GXS88
FANNIE MAE	0.875	12/18/2026	12/18/2023	Quarterly	88.07	56.256	4.895	0.06	3135G06L2
FEDERAL HOME LOAN BANK	0.900	2/26/2027	11/26/2023	Quarterly	87.69	77.530	4.833	0.03	3130AL5A8
FEDERAL FARM CREDIT BANK	5.110	8/14/2028	8/14/2025	Anytime	99.35	5.472	5.261	0.74	3133EPTA3

Bullets								
Issuer	Coupon	Maturity	Price	Yield	Spread to Interp	Benchmark	Cusip	
FEDERAL HOME LOAN BANK	5.460	9/25/2024	100.01	5.447	0.16	T 5 08/31/25	3130AXB80	
FEDERAL FARM CREDIT BANK	5.250	10/2/2024	99.87	5.387	0.10	T 5 08/31/25	3133EPVK8	
FEDERAL HOME LOAN BANK	5.250	12/13/2024	99.85	5.382	0.14	T 5 08/31/25	3130AWZM5	
FREDDIE MAC	1.500	2/12/2025	95.09	5.192	-0.01	T 5 08/31/25	3137EAEPO	
FANNIE MAE	0.500	6/17/2025	92.36	5.142	0.01	T 5 08/31/25	3135G04Z3	
FREDDIE MAC	0.375	9/23/2025	91.15	5.067	-0.01	T 5 08/31/25	3137EAXE3	
FEDERAL HOME LOAN BANK	4.875	3/13/2026	99.80	4.962	-0.02	T 5 08/31/25	3130AXB31	
FEDERAL FARM CREDIT BANK	4.750	5/28/2026	99.64	4.897	-0.05	T 4 5/8 09/15/26	3133EPUD5	
FEDERAL FARM CREDIT BANK	4.750	7/8/2026	99.62	4.897	-0.02	T 4 5/8 09/15/26	3133EPVP7	
FEDERAL FARM CREDIT BANK	4.750	9/1/2026	99.71	4.857	-0.05	T 4 5/8 09/15/26	3133EPUW3	
FARMER MAC	4.520	9/11/2028	99.90	4.543	0.04	T 4 3/8 08/31/28	31422X6Y3	

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## Indicative Offerings - Mortgage-Backed Securities 9/19/2023

MBS Pools										
Issue	Coupon	WAL	Yield	I Spread	Price	Principal	Type	Current Face	Cusip	
FR SA0047	5.00	3.54	5.17	47	99.31	11/23-09/32	10 Year	9,682,798	3132CJBQ5	
FR SA0048	5.50	3.50	5.25	55	100.59	11/23-10/32	10 Year	9,423,009	3132CJBR3	
FN MA5147	4.50	5.99	5.07	60	97.16	11/23-06/38	15 Year	9,897,327	31418EWH9	
FN MA5148	5.00	5.74	5.29	81	98.56	11/23-05/38	15 Year	9,722,977	31418EWJ5	
FN MA5149	5.50	5.53	5.52	103	99.84	11/23-04/38	15 Year	9,706,099	31418EWK2	
FN MA5146	5.50	7.17	5.64	119	99.25	11/23-06/43	20 Year	4,976,330	31418EWG1	
FR RB5261	6.00	6.65	5.85	139	100.72	11/23-06/43	20 Year	5,000,000	3133KYZ28	

CMOs											
Issue	Coupon	WAL	Yield	I Spread	Price	FMED U300 % Change	Principal Window	Type	Current Face	Cusip	
FNR 2023-6 CA	5.00	3.23	5.47	74	98.50	-12.0%	10/23-09/30	EXCH,+	8,709,574	3136BPXU0	
GNR 2023-60 H	5.00	3.55	5.59	90	98.09	-11.5%	10/23-02/31	SEQ	9,747,689	38383XPQ1	

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## Treasury Offerings 9/19/2023

Bullets							
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip	
TREASURY BILL	0.000	10/19/2023	99.5913	5.180	0.08	912797FB8	
TREASURY BILL	0.000	11/30/2023	98.9732	5.334	0.20	912796ZD4	
TREASURY BILL	0.000	12/26/2023	98.5876	5.406	0.27	912797HW0	
TREASURY BILL	0.000	1/9/2024	98.3916	5.390	0.31	912797HY6	
TREASURY BILL	0.000	2/22/2024	97.7506	5.419	0.43	912796Z28	
TREASURY BILL	0.000	3/7/2024	97.5428	5.456	0.47	912797GQ4	
TREASURY BILL	0.000	4/18/2024	96.9802	5.382	0.58	912796CX5	
US TREASURY N/B	2.500	5/15/2024	98.1695	5.388	0.65	912828WJ5	
US TREASURY N/B	3.000	6/30/2024	98.1813	5.415	0.78	91282CEX5	
US TREASURY N/B	2.125	7/31/2024	97.2633	5.416	0.87	9128282N9	
US TREASURY N/B	2.375	8/15/2024	97.3570	5.413	0.91	912828D56	
US TREASURY N/B	1.500	9/30/2024	96.1784	5.373	1.03	912828YH7	
US TREASURY N/B	2.250	10/31/2024	96.6823	5.362	1.12	9128283D0	
US TREASURY N/B	2.250	11/15/2024	96.5652	5.361	1.16	912828G38	
US TREASURY N/B	4.250	12/31/2024	98.6706	5.335	1.28	91282CGD7	
US TREASURY N/B	4.125	1/31/2025	98.4792	5.293	1.37	91282CGG0	
US TREASURY N/B	1.500	2/15/2025	94.9558	5.278	1.41	91282CDZ1	
US TREASURY N/B	3.875	3/31/2025	98.0339	5.230	1.53	91282CGU9	
US TREASURY N/B	3.875	4/30/2025	97.9831	5.193	1.61	91282CGX3	
US TREASURY N/B	4.250	5/31/2025	98.5339	5.161	1.70	91282CHD6	
US TREASURY N/B	4.625	6/30/2025	99.1745	5.113	1.78	91282CHL8	
US TREASURY N/B	3.000	7/15/2025	96.4128	5.088	1.82	91282CEY3	
US TREASURY N/B	3.125	8/15/2025	96.5222	5.064	1.91	91282CFE6	
US TREASURY N/B	3.500	9/15/2025	97.1655	5.017	1.99	91282CFK2	
US TREASURY N/B	4.250	10/15/2025	98.5522	4.994	2.07	91282CFP1	
US TREASURY N/B	4.500	11/15/2025	99.0678	4.959	2.16	91282CFW6	
US TREASURY N/B	4.000	12/15/2025	98.0522	4.928	2.24	91282CGA3	
US TREASURY N/B	3.875	1/15/2026	97.7866	4.894	2.33	91282CGE5	
US TREASURY N/B	4.000	2/15/2026	98.0288	4.878	2.41	91282CGL9	
US TREASURY N/B	4.625	3/15/2026	99.4741	4.852	2.49	91282CGR6	
US TREASURY N/B	3.750	4/15/2026	97.4116	4.833	2.57	91282CGV7	
US TREASURY N/B	3.625	5/15/2026	97.0756	4.811	2.65	91282CHB0	
US TREASURY N/B	4.125	6/15/2026	98.3256	4.783	2.74	91282CHH7	
US TREASURY N/B	4.500	7/15/2026	99.2631	4.780	2.82	91282CHM6	
US TREASURY N/B	4.375	8/15/2026	98.9584	4.762	2.91	91282CHU8	
US TREASURY N/B	1.625	9/30/2026	91.4728	4.679	3.03	912828YG9	
US TREASURY N/B	1.125	10/31/2026	89.7853	4.691	3.12	91282CDG3	
US TREASURY N/B	2.000	11/15/2026	92.2228	4.682	3.16	912828U24	
US TREASURY N/B	1.750	12/31/2026	91.2541	4.658	3.28	912828YX2	
US TREASURY N/B	1.500	1/31/2027	90.2853	4.655	3.37	912828Z78	

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## Treasury Offerings 9/19/2023

Bullets							
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip	
US TREASURY N/B	2.250	2/15/2027	92.5431	4.644	3.41	912828V98	
US TREASURY N/B	2.500	3/31/2027	93.1994	4.611	3.53	91282CEF4	
US TREASURY N/B	2.750	4/30/2027	93.8400	4.621	3.61	91282CEN7	
US TREASURY N/B	2.375	5/15/2027	92.5509	4.614	3.65	912828X88	
US TREASURY N/B	3.250	6/30/2027	95.3869	4.593	3.78	91282CEW7	
US TREASURY N/B	2.750	7/31/2027	93.5353	4.595	3.87	91282CFB2	
US TREASURY N/B	3.125	8/31/2027	94.7853	4.585	3.95	91282CFH9	
US TREASURY N/B	4.125	9/30/2027	98.4091	4.562	4.03	91282CFM8	
US TREASURY N/B	4.125	10/31/2027	98.3700	4.563	4.12	91282CFU0	
US TREASURY N/B	3.875	11/30/2027	97.4403	4.551	4.20	91282CFZ9	
US TREASURY N/B	3.875	12/31/2027	97.4638	4.533	4.28	91282CGC9	
US TREASURY N/B	3.500	1/31/2028	95.9794	4.525	4.37	91282CGH8	
US TREASURY N/B	2.750	2/15/2028	93.0028	4.520	4.41	9128283W8	
US TREASURY N/B	3.625	3/31/2028	96.4325	4.505	4.53	91282CGT2	
US TREASURY N/B	3.500	4/30/2028	95.8934	4.495	4.62	91282CHA2	
US TREASURY N/B	2.875	5/15/2028	93.2606	4.496	4.66	9128284N7	
US TREASURY N/B	4.000	6/30/2028	97.9638	4.477	4.78	91282CHK0	
US TREASURY N/B	1.000	7/31/2028	84.9013	4.492	4.87	91282CCR0	
US TREASURY N/B	2.875	8/15/2028	92.9794	4.486	4.91	9128284V9	
US TREASURY N/B	1.250	9/30/2028	85.6188	4.476	5.04	91282CCY5	
US TREASURY N/B	1.375	10/31/2028	85.9703	4.476	5.12	91282CDF5	
US TREASURY N/B	3.125	11/15/2028	93.8609	4.471	5.16	9128285M8	
US TREASURY N/B	1.375	12/31/2028	85.6813	4.449	5.29	91282CDP3	
US TREASURY N/B	1.750	1/31/2029	87.1813	4.465	5.37	91282CDW8	
US TREASURY N/B	5.250	2/15/2029	103.7359	4.463	5.41	912810FG8	
US TREASURY N/B	2.375	3/31/2029	89.8688	4.463	5.53	91282CEE7	
US TREASURY N/B	2.875	4/30/2029	92.1969	4.462	5.62	91282CEM9	
US TREASURY N/B	2.750	5/31/2029	91.4859	4.459	5.70	91282CE56	
US TREASURY N/B	3.250	6/30/2029	93.8766	4.463	5.78	91282CEV9	
US TREASURY N/B	2.625	7/31/2029	90.6656	4.451	5.87	91282CFC0	
US TREASURY N/B	3.125	8/31/2029	93.1266	4.453	5.95	91282CFJ5	
US TREASURY N/B	3.875	9/30/2029	96.9769	4.452	6.04	91282CFL0	
US TREASURY N/B	4.000	10/31/2029	97.6175	4.449	6.12	91282CFT3	
US TREASURY N/B	3.875	11/30/2029	96.9378	4.445	6.20	91282CFY2	
US TREASURY N/B	3.875	12/31/2029	96.9378	4.438	6.29	91282CGB1	
US TREASURY N/B	3.500	1/31/2030	94.8753	4.433	6.37	91282CGJ4	
US TREASURY N/B	4.000	2/28/2030	97.6175	4.429	6.45	91282CGQ8	
US TREASURY N/B	3.625	3/31/2030	95.5238	4.422	6.53	91282CGS4	
US TREASURY N/B	3.500	4/30/2030	94.8050	4.414	6.62	91282CGZ8	
US TREASURY N/B	3.750	6/30/2030	96.1800	4.407	6.78	91282CHJ3	

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### Treasury Offerings 9/19/2023

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Issuer	Coupon	Maturity	Price	Yield	Years	Cusip	
US TREASURY N/B	4.000	7/31/2030	97.6331	4.403	6.87	91282CHR5	
US TREASURY N/B	4.125	8/31/2030	98.3519	4.403	6.95	91282CHW4	
US TREASURY N/B	0.875	11/15/2030	79.0850	4.303	7.16	91282CAV3	
US TREASURY N/B	1.125	2/15/2031	80.1944	4.274	7.41	91282CBL4	
US TREASURY N/B	1.625	5/15/2031	82.6475	4.311	7.66	91282CCB5	
US TREASURY N/B	1.250	8/15/2031	79.6931	4.309	7.91	91282CCS8	
US TREASURY N/B	1.375	11/15/2031	79.9587	4.317	8.16	91282CDJ7	
US TREASURY N/B	1.875	2/15/2032	82.8962	4.324	8.41	91282CDY4	
US TREASURY N/B	2.875	5/15/2032	89.5681	4.333	8.66	91282CEP2	
US TREASURY N/B	2.750	8/15/2032	88.4275	4.330	8.91	91282CFF3	
US TREASURY N/B	4.125	11/15/2032	98.5031	4.324	9.16	91282CFV8	
US TREASURY N/B	3.500	2/15/2033	93.7844	4.311	9.42	91282CGM7	
US TREASURY N/B	3.375	5/15/2033	92.7375	4.302	9.66	91282CHC8	
US TREASURY N/B	3.875	8/15/2033	96.5813	4.302	9.91	91282CHT1	

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