

**CU Investment Solutions, LLC**

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



## New Issue Offerings 10/14/2021

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	3130APJ22	0.660	10/28/2024	1/28/2022	100	3.00	3	Quarterly	10/28/2021	0.07	0.660	0.660
FEDERAL HOME LOAN BANK	3130APEM3	0.700	2/28/2025	4/28/2022	100	3.34	6	Quarterly	10/28/2021	0.03	0.700	0.700
FEDERAL HOME LOAN BANK	3130APGV1	0.730	4/28/2025	1/28/2022	100	3.50	3	Quarterly	10/28/2021	0.03	0.730	0.730
FEDERAL HOME LOAN BANK	3130APJM8	0.820	4/28/2025	4/28/2022	100	3.50	6	Quarterly	10/28/2021	0.12	0.820	0.820
FEDERAL HOME LOAN BANK	3130APFH3	0.810	7/29/2025	4/29/2022	100	3.75	6	Quarterly	10/29/2021	0.05	0.810	0.811
FEDERAL HOME LOAN BANK	3130APF83	0.875	10/28/2025	4/28/2022	100	4.00	6	Quarterly	10/28/2021	0.05	0.875	0.875
FEDERAL HOME LOAN BANK	3130APEJ0	1.030	4/28/2026	4/28/2022	100	4.50	6	Quarterly	10/28/2021	0.09	1.030	1.030
FEDERAL HOME LOAN BANK	3130APG66	1.000	7/28/2026	10/28/2022	100	4.75	12	Quarterly	10/28/2021	0.00	1.000	1.000
FEDERAL HOME LOAN BANK	3130APH57	1.020	7/28/2026	4/28/2022	100	4.75	6	Quarterly	10/28/2021	0.02	1.020	1.020
FEDERAL HOME LOAN BANK	3130APHT5	1.200	10/26/2026	11/26/2021	100	5.00	1	Monthly	10/26/2021	0.14	1.200	1.200
FEDERAL HOME LOAN BANK	3130APFQ3	1.100	10/28/2026	4/28/2022	100	5.00	6	Quarterly	10/28/2021	0.04	1.100	1.100
FEDERAL HOME LOAN BANK	3130APGT6	1.150	10/28/2026	1/28/2022	100	5.00	3	Quarterly	10/28/2021	0.09	1.150	1.150
FEDERAL HOME LOAN BANK	3130APFZ3	1.125	4/28/2027	4/28/2022	100	5.50	6	Annual	10/28/2021	0.02	1.125	1.125

Step-Up 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	3130APJA4	0.600	10/28/2026	10/28/2022	100	5.00	12	Onetime	10/28/2021	0.10	1.157	0.600
FEDERAL HOME LOAN BANK	3130APJU0	1.000	10/28/2027	1/28/2022	100	6.00	3	Quarterly	10/28/2021	0.33	1.489	1.000
FEDERAL HOME LOAN BANK	3130APJS5	1.375	10/28/2031	1/28/2022	100	10.01	3	Quarterly	10/28/2021	0.60	2.126	1.375

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.

**CU Investment Solutions, LLC**

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



## Secondary Offerings 10/14/2021

Callables									
Issuer	Coupon	Maturity	Call Date	Call Type	Price	YTC	YTM	YTM Spread to Interp Treas	Cusip
FEDERAL HOME LOAN BANK	0.500	11/29/2024	12/29/2021	Quarterly	99.71	1.916	0.594	-0.03	3130AP3K9
FEDERAL FARM CREDIT BANK	0.560	3/21/2025	12/21/2021	Anytime	99.35	4.131	0.752	0.07	3133EM5V0
FEDERAL HOME LOAN BANK	0.920	5/19/2026	10/21/2021	Anytime	99.60	24.927	1.009	0.05	3130AJLH0
FEDERAL FARM CREDIT BANK	0.690	2/2/2027	2/2/2022	Anytime	97.72	8.544	1.135	0.04	3133EMPN6
FEDERAL FARM CREDIT BANK	1.200	5/18/2028	10/21/2021	Anytime	98.80	73.723	1.391	0.18	3133ELZJ6

Bullets							
Issuer	Coupon	Maturity	Price	Yield	Spread to Interp	Benchmark	Cusip
FREDDIE MAC	0.125	10/16/2023	99.58	0.334	-0.02	T 0 1/4 09/30/23	3137EAEY1
FEDERAL HOME LOAN BANK	2.250	12/8/2023	104.02	0.369	-0.02	T 0 1/4 09/30/23	3130A3VC5
FANNIE MAE	2.500	2/5/2024	104.86	0.379	-0.05	T 0 1/4 09/30/23	3135G0V34
FEDERAL HOME LOAN BANK	2.875	6/14/2024	106.22	0.521	0.01	T 0 5/8 10/15/24	3130A1XJ2
FEDERAL HOME LOAN BANK	0.500	9/13/2024	99.78	0.576	0.01	T 0 5/8 10/15/24	3130APE84
FEDERAL HOME LOAN BANK	2.750	12/13/2024	106.62	0.631	0.00	T 0 5/8 10/15/24	3130A3GE8
FEDERAL HOME LOAN BANK	2.375	3/14/2025	105.67	0.691	0.01	T 0 5/8 10/15/24	3130A4CH3
FREDDIE MAC	0.375	7/21/2025	98.57	0.761	0.00	T 0 5/8 10/15/24	3137EAEU9
FEDERAL HOME LOAN BANK	1.750	9/12/2025	103.53	0.831	0.03	T 0 5/8 10/15/24	3130A8ZQ9
FANNIE MAE	0.500	11/7/2025	98.57	0.860	0.02	T 0 7/8 09/30/26	3135G06G3
FANNIE MAE	2.125	4/24/2026	105.15	0.960	0.02	T 0 7/8 09/30/26	3135G0K36
FEDERAL HOME LOAN BANK	1.875	9/11/2026	104.03	1.030	-0.01	T 0 7/8 09/30/26	3130A8XY4
FARMER MAC	0.980	10/19/2026	99.64	1.055	0.00	T 0 7/8 09/30/26	31422XNU2

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.

## CU Investment Solutions, LLC

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



### Indicative Offerings - Mortgage-Backed Securities 10/14/2021

MBS Pools										
Issue	Coupon	WAL	Yield	I Spread	Price	Principal	Type	Current Face	Cusip	
FR SB8122	1.50	4.84	1.23	21	101.15	11/21-08/36	15 Year	24,806,841	3132D6AX8	
FN MA4441	1.50	4.83	1.23	20	101.19	11/21-08/36	15 Year	5,123,791	31418D5B4	
FR SB8115	2.00	4.72	1.26	26	103.23	11/21-06/36	15 Year	5,987,522	3132D6AQ3	
FN MA4403	2.00	4.72	1.26	26	103.20	11/21-06/36	15 Year	131,749,100	31418D3M2	
FR SB8112	2.50	4.44	1.33	39	104.81	11/21-03/36	15 Year	21,921,712	3132D6AM2	
FR SB8124	2.50	4.60	1.37	39	104.83	11/21-05/36	15 Year	24,579,619	3132D6AZ3	
FN MA4445	1.50	6.41	1.56	30	99.56	12/21-08/41	20 Year	25,885,795	31418D5F5	
FN BT6795	2.00	5.49	1.50	37	102.47	12/21-10/41	20 Year	102,059,732	3140LVRR2	

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.

## CU Investment Solutions, LLC

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



## Treasury Offerings 10/14/2021

Bullets						
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip
US TREASURY N/B	2.000	10/31/2022	102.02	0.066	1.05	9128283C2
US TREASURY N/B	0.125	11/30/2022	100.02	0.106	1.13	91282CAX9
US TREASURY N/B	0.125	12/31/2022	99.99	0.137	1.21	91282CBD2
US TREASURY N/B	0.125	1/31/2023	99.96	0.157	1.30	91282CBG5
US TREASURY N/B	0.125	2/28/2023	99.92	0.184	1.38	91282CBN0
US TREASURY N/B	0.125	3/31/2023	99.88	0.207	1.46	91282CBU4
US TREASURY N/B	0.125	4/30/2023	99.83	0.233	1.54	91282CBX8
US TREASURY N/B	0.125	5/31/2023	99.78	0.259	1.63	91282CCD1
US TREASURY N/B	2.625	6/30/2023	104.01	0.274	1.71	9128284U1
US TREASURY N/B	0.125	7/31/2023	99.69	0.297	1.79	91282CCN9
US TREASURY N/B	0.125	8/31/2023	99.63	0.321	1.88	91282CCU3
US TREASURY N/B	0.250	9/30/2023	99.82	0.341	1.96	91282CDA6
US TREASURY N/B	2.875	10/31/2023	105.14	0.350	2.05	9128285K2
US TREASURY N/B	2.875	11/30/2023	105.30	0.369	2.13	9128285P1
US TREASURY N/B	2.625	12/31/2023	104.89	0.398	2.21	9128285U0
US TREASURY N/B	2.500	1/31/2024	104.76	0.412	2.30	9128285Z9
US TREASURY N/B	2.375	2/29/2024	104.57	0.438	2.38	9128286G0
US TREASURY N/B	2.125	3/31/2024	104.05	0.466	2.46	912828W71
US TREASURY N/B	2.250	4/30/2024	104.46	0.485	2.55	9128286R6
US TREASURY N/B	2.000	5/31/2024	103.90	0.502	2.63	912828XT2
US TREASURY N/B	0.250	6/15/2024	99.26	0.529	2.67	91282CCG4
US TREASURY N/B	0.375	7/15/2024	99.53	0.549	2.75	91282CCL3
US TREASURY N/B	0.375	8/15/2024	99.48	0.560	2.84	91282CCT6
US TREASURY N/B	0.375	9/15/2024	99.39	0.588	2.92	91282CCX7
US TREASURY N/B	2.250	10/31/2024	104.98	0.596	3.05	9128283D0
US TREASURY N/B	1.500	11/30/2024	102.70	0.626	3.13	912828YV6
US TREASURY N/B	2.250	12/31/2024	105.10	0.642	3.22	9128283P3
US TREASURY N/B	1.375	1/31/2025	102.29	0.670	3.30	912828Z52
US TREASURY N/B	1.125	2/28/2025	101.45	0.690	3.38	912828ZC7
US TREASURY N/B	0.500	3/31/2025	99.27	0.714	3.46	912828ZF0
US TREASURY N/B	0.375	4/30/2025	98.72	0.743	3.55	912828ZL7
US TREASURY N/B	0.250	5/31/2025	98.15	0.770	3.63	912828ZT0
US TREASURY N/B	0.250	6/30/2025	98.04	0.786	3.71	912828ZW3
US TREASURY N/B	0.250	7/31/2025	97.92	0.808	3.80	91282CAB7
US TREASURY N/B	0.250	8/31/2025	97.79	0.832	3.88	91282CAJ0
US TREASURY N/B	0.250	9/30/2025	97.68	0.846	3.96	91282CAM3
US TREASURY N/B	0.250	10/31/2025	97.57	0.863	4.05	91282CAT8

## CU Investment Solutions, LLC

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



## Treasury Offerings 10/14/2021

Bullets						
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip
US TREASURY N/B	0.375	11/30/2025	97.91	0.891	4.13	91282CAZ4
US TREASURY N/B	0.375	12/31/2025	97.82	0.904	4.22	91282CBC4
US TREASURY N/B	0.375	1/31/2026	97.68	0.928	4.30	91282CBH3
US TREASURY N/B	0.500	2/28/2026	98.11	0.942	4.38	91282CBQ3
US TREASURY N/B	0.750	3/31/2026	99.08	0.960	4.46	91282CBT7
US TREASURY N/B	0.750	4/30/2026	99.02	0.971	4.55	91282CBW0
US TREASURY N/B	0.750	5/31/2026	98.93	0.988	4.63	91282CCF6
US TREASURY N/B	0.875	6/30/2026	99.41	1.003	4.71	91282CCJ8
US TREASURY N/B	0.625	7/31/2026	98.18	1.015	4.80	91282CCP4
US TREASURY N/B	0.750	8/31/2026	98.69	1.025	4.88	91282CCW9
US TREASURY N/B	0.875	9/30/2026	99.21	1.039	4.96	91282CCZ2
US TREASURY N/B	1.625	10/31/2026	102.88	1.037	5.05	912828YQ7
US TREASURY N/B	1.625	11/30/2026	102.84	1.054	5.13	912828YU8
US TREASURY N/B	1.750	12/31/2026	103.48	1.062	5.22	912828YX2
US TREASURY N/B	1.500	1/31/2027	102.16	1.080	5.30	912828Z78
US TREASURY N/B	1.125	2/28/2027	100.16	1.095	5.38	912828ZB9
US TREASURY N/B	0.625	3/31/2027	97.44	1.110	5.46	912828ZE3
US TREASURY N/B	0.500	4/30/2027	96.60	1.134	5.55	912828ZN3
US TREASURY N/B	0.500	5/31/2027	96.45	1.153	5.63	912828ZS2
US TREASURY N/B	0.500	6/30/2027	96.40	1.154	5.71	912828ZV5
US TREASURY N/B	0.375	7/31/2027	95.59	1.165	5.80	91282CAD3
US TREASURY N/B	0.500	8/31/2027	96.09	1.190	5.88	91282CAH4
US TREASURY N/B	0.375	9/30/2027	95.30	1.195	5.96	91282CAL5
US TREASURY N/B	0.500	10/31/2027	95.86	1.212	6.05	91282CAU5
US TREASURY N/B	0.625	11/30/2027	96.46	1.226	6.13	91282CAY7
US TREASURY N/B	0.625	12/31/2027	96.36	1.236	6.22	91282CBB6
US TREASURY N/B	0.750	1/31/2028	96.99	1.249	6.30	91282CBJ9
US TREASURY N/B	1.125	2/29/2028	99.28	1.244	6.38	91282CBP5
US TREASURY N/B	1.250	3/31/2028	99.89	1.267	6.47	91282CBS9
US TREASURY N/B	1.250	4/30/2028	99.84	1.276	6.55	91282CBZ3
US TREASURY N/B	1.250	5/31/2028	99.76	1.288	6.63	91282CCE9
US TREASURY N/B	1.250	6/30/2028	99.67	1.302	6.72	91282CCH2
US TREASURY N/B	1.000	7/31/2028	97.95	1.317	6.80	91282CCR0
US TREASURY N/B	1.125	8/31/2028	98.68	1.326	6.88	91282CCV1
US TREASURY N/B	1.250	9/30/2028	99.45	1.333	6.97	91282CCY5
US TREASURY N/B	2.625	2/15/2029	108.89	1.347	7.35	9128286B1
US TREASURY N/B	2.375	5/15/2029	107.22	1.369	7.59	9128286T2

## CU Investment Solutions, LLC

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



## Treasury Offerings 10/14/2021

Bullets						
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip
US TREASURY N/B	1.625	8/15/2029	101.80	1.382	7.84	912828YB0
US TREASURY N/B	1.750	11/15/2029	102.76	1.388	8.09	912828YS3
US TREASURY N/B	1.500	2/15/2030	100.65	1.417	8.35	912828Z94
US TREASURY N/B	0.625	5/15/2030	93.39	1.447	8.59	912828ZQ6
US TREASURY N/B	0.625	8/15/2030	93.12	1.458	8.84	91282CAE1
US TREASURY N/B	0.875	11/15/2030	94.99	1.466	9.09	91282CAV3
US TREASURY N/B	1.125	2/15/2031	96.94	1.477	9.35	91282CBL4
US TREASURY N/B	1.625	5/15/2031	101.23	1.487	9.59	91282CCB5
US TREASURY N/B	1.250	8/15/2031	97.62	1.512	9.84	91282CCS8

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.

# ISI Intra-day Offerings

October 14, 2021 8:37 AM

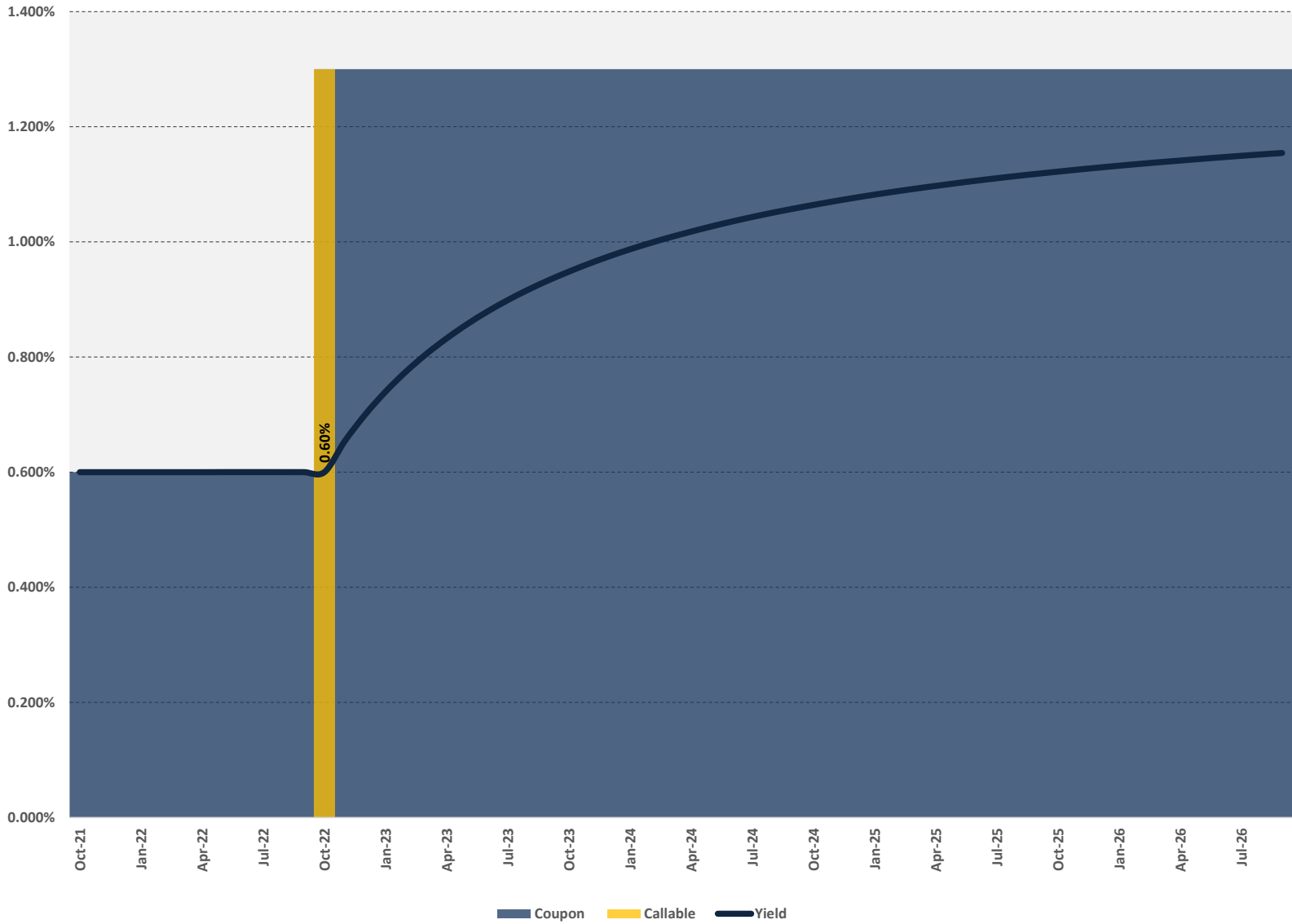
#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Change	SETTLEMENT
1	5.00y/12m,1x	STEP	FHLB	10/28/2026	3130APJA4	100.000	0.600%	0.600%	1.157%	-11.120%	10/28/2021
<i>STEP DETAILS: 0.6% to 10/22; 1.3% to 10/26</i>											
2	6.00y/3m,q	STEP	FHLB	10/28/2027	3130APJU0	100.000	1.000%	1.000%	1.489%	-13.376%	10/28/2021
<i>STEP DETAILS: 1% to 10/24; 2% to 10/27</i>											
3	10.00y/3m,q	STEP	FHLB	10/28/2031	3130APJS5	100.000	1.375%	1.375%	2.126%	-18.496%	10/28/2021
<i>STEP DETAILS: 1.375% to 10/23; 1.5% to 10/25; 1.75% to 10/26; 2% to 10/27; 2.25% to 10/28; 2.5% to 10/29; 3% to 4/30; 3.5% to 10/30; 4% to 4/31; 4.5% to 10/31</i>											

All opinions, prices, and yields are subject to change without notice. Neither the information nor any opinion expressed constitutes an offer, or an invitation to make an offer, to buy or sell any securities. This research report is prepared for general circulation and is circulated for general information only. The report does not consider the specific investment objectives, financial situation and particular needs of any specific person who may receive this report. Investors should understand that statements regarding future prospects might not be realized. Please contact ISI to discuss your specific situation and objectives.

# OFFERING #1 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
1	5.00y/12m,1x	STEP	FHLB	10/28/2026	3130APJA4	100.000	0.600%	0.600%	1.157%	-11.120%	10/28/2021

STEP DETAILS: 0.6% to 10/22; 1.3% to 10/26

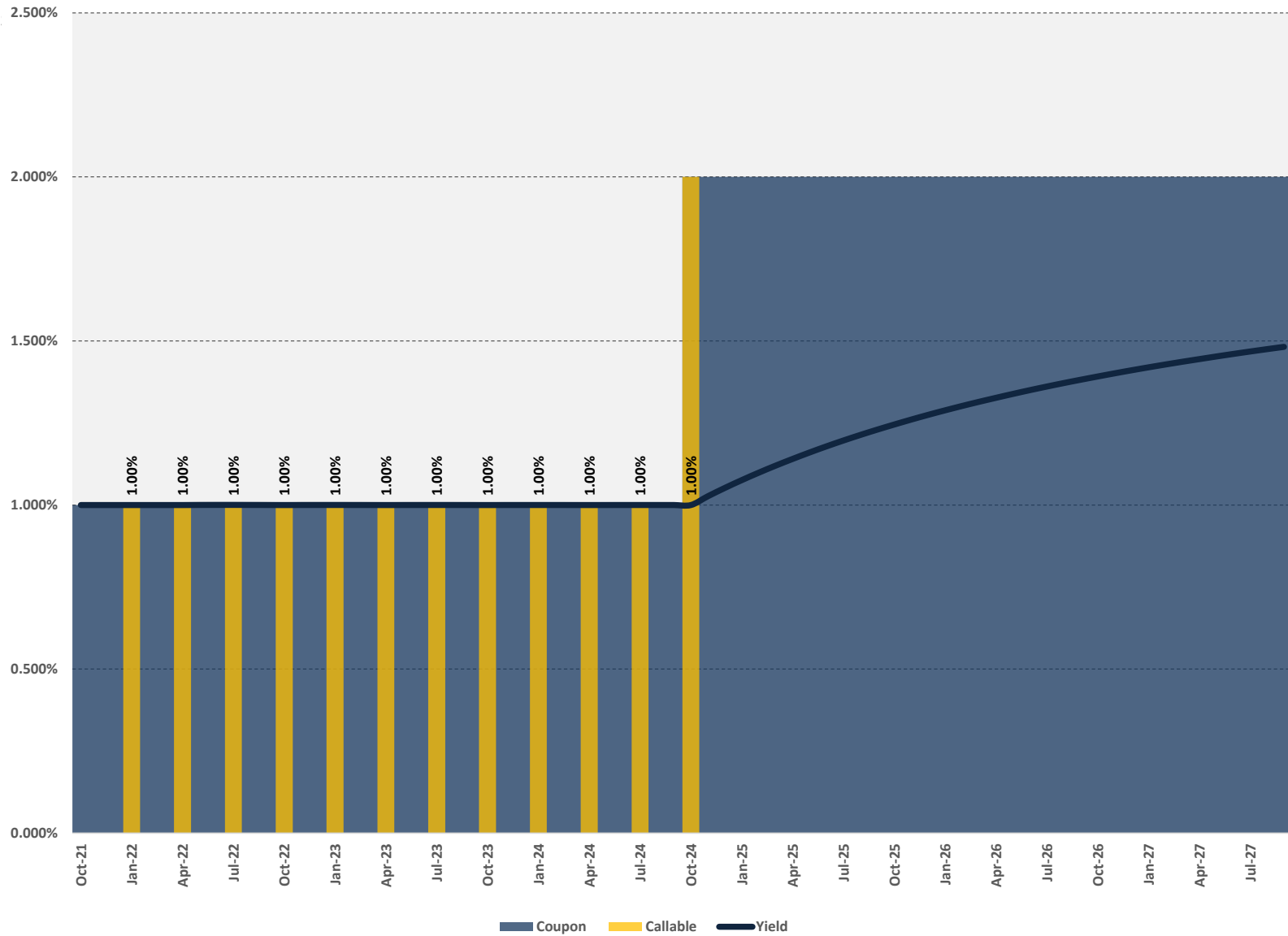




## OFFERING #2 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
2	6.00y/3m,q	STEP	FHLB	10/28/2027	3130APJU0	100.000	1.000%	1.000%	1.489%	-13.376%	10/28/2021

*STEP DETAILS: 1% to 10/24; 2% to 10/27*



# OFFERING #3 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
3	10.00y/3m,q	STEP	FHLB	10/28/2031	3130APIJ55	100.000	1.375%	1.375%	2.126%	-18.496%	10/28/2021

*STEP DETAILS: 1.375% to 10/23; 1.5% to 10/25; 1.75% to 10/26; 2% to 10/27; 2.25% to 10/28; 2.5% to 10/29; 3% to 4/30; 3.5% to 10/30; 4% to 4/31; 4.5% to 10/31*

