

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
 1/18/2022**

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	3130AQL68	1.080	7/26/2024	4/26/2022	100	2.50	3	Quarterly	1/26/2022	-0.02	1.080	1.080
FEDERAL HOME LOAN BANK	3130AQM1	1.250	1/27/2025	1/27/2023	100	3.00	12	Annual	1/27/2022	0.05	1.250	1.250
FEDERAL HOME LOAN BANK	3130AQNK5	1.350	2/11/2025	5/11/2022	100	3.00	3	Quarterly	2/11/2022	0.15	1.350	1.350
FEDERAL HOME LOAN BANK	3130AQMW0	1.375	7/28/2025	4/28/2022	100	3.50	3	Quarterly	1/28/2022	0.07	1.375	1.375
FEDERAL HOME LOAN BANK	3130AQM83	1.600	7/27/2026	4/27/2022	100	4.50	3	Quarterly	1/27/2022	0.09	1.600	1.600
FEDERAL HOME LOAN BANK	3130AQM26	1.700	1/27/2027	1/27/2023	100	5.00	12	Quarterly	1/27/2022	0.09	1.700	1.700
FEDERAL HOME LOAN BANK	3130AQJG9	1.650	1/28/2027	4/28/2022	100	5.00	3	Quarterly	1/28/2022	0.04	1.650	1.650
FEDERAL HOME LOAN BANK	3130AQKM4	1.750	1/28/2027	2/28/2022	100	5.00	1	Monthly	1/28/2022	0.14	1.750	1.750
FEDERAL FARM CREDIT BANK	3133ENKU3	1.830	1/24/2029	1/24/2025	100	7.01	36	Anytime	1/24/2022	0.14	1.830	1.830
FEDERAL HOME LOAN BANK	3130AQKX0	2.000	7/27/2029	4/27/2022	100	7.50	3	Quarterly	1/27/2022	0.28	2.000	2.000
FEDERAL FARM CREDIT BANK	3133ENLN8	2.390	1/19/2033	4/19/2022	100	11.01	3	Anytime	1/19/2022	0.55	2.390	2.390
FEDERAL FARM CREDIT BANK	3133ENLP3	2.480	1/19/2034	4/19/2022	100	12.01	3	Anytime	1/19/2022	0.63	2.480	2.480
FEDERAL HOME LOAN BANK	3130AQMS9	2.450	7/25/2034	1/25/2023	100	12.50	12	Anytime	1/25/2022	0.59	2.450	2.450
FEDERAL HOME LOAN BANK	3130AQN6	2.600	1/21/2037	4/21/2022	100	15.01	3	Anytime	1/21/2022	0.70	2.600	2.600

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	3130AQND1	0.750	1/27/2025	1/27/2023	100	3.00	12	Onetime	1/27/2022	0.21	1.412	0.750
FEDERAL HOME LOAN BANK	3130AQM3	0.750	10/28/2025	4/28/2022	100	3.75	3	Quarterly	1/28/2022	0.30	1.656	0.750
FEDERAL HOME LOAN BANK	3130AQJ3	1.125	1/26/2026	1/26/2023	100	4.00	12	Quarterly	1/26/2022	0.03	1.433	1.125
FEDERAL HOME LOAN BANK	3130AQN90	1.050	1/26/2026	1/26/2024	100	4.00	24	Onetime	1/26/2022	0.11	1.518	1.050
FEDERAL HOME LOAN BANK	3130AQN8	0.750	1/27/2026	1/27/2023	100	4.00	12	Quarterly	1/27/2022	0.87	2.277	0.750
FEDERAL HOME LOAN BANK	3130AQM8	1.125	1/26/2027	1/26/2024	100	5.00	24	Onetime	1/26/2022	0.18	1.788	1.125
FEDERAL HOME LOAN BANK	3130AQK1	1.250	1/27/2027	1/27/2023	100	5.00	12	Quarterly	1/27/2022	0.18	1.786	1.250
FEDERAL HOME LOAN BANK	3130AQN3	1.000	1/27/2027	1/27/2023	100	5.00	12	Annual	1/27/2022	0.32	1.933	1.000
FEDERAL HOME LOAN BANK	3130AQN41	1.000	1/28/2027	4/28/2022	100	5.00	3	Quarterly	1/28/2022	0.46	2.071	1.000
FEDERAL HOME LOAN BANK	3130AQA7	1.000	1/28/2027	7/28/2023	100	5.00	18	Onetime	1/28/2022	0.17	1.777	1.000

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 1/18/2022

Callables									
Issuer	Coupon	Maturity	Call Date	Call Type	Price	YTC	YTM	YTM Spread to Interp Treas	Cusip
FEDERAL HOME LOAN BANK	1.000	11/14/2024	4/14/2022	Quarterly	99.39	3.605	1.221	0.05	3130AQE74
FEDERAL HOME LOAN BANK	0.700	8/29/2025	3/29/2022	Quarterly	97.59	13.399	1.387	0.07	3130AP3F0
FEDERAL FARM CREDIT BANK	1.000	10/7/2026	10/7/2022	Anytime	97.53	4.546	1.546	-0.01	3133ENAF7
FEDERAL HOME LOAN BANK	0.920	2/26/2027	2/26/2022	Quarterly	96.54	35.741	1.630	0.02	3130ALCE2
FEDERAL FARM CREDIT BANK	1.520	10/12/2028	1/25/2022	Anytime	98.23	109.391	1.801	0.12	3133ENAW0

Bullets								
Issuer	Coupon	Maturity	Price	Yield	Spread to Interp	Benchmark	Cusip	
FANNIE MAE	0.250	7/10/2023	99.17	0.819	0.07	T 0 3/4 12/31/23	3135G05G4	
FEDERAL FARM CREDIT BANK	0.550	11/24/2023	99.23	0.969	0.05	T 0 3/4 12/31/23	3133ENEX4	
FEDERAL FARM CREDIT BANK	0.900	1/18/2024	99.79	1.004	0.00	T 0 3/4 12/31/23	3133ENLF5	
FANNIE MAE	1.750	7/2/2024	101.53	1.114	0.03	T 0 3/4 12/31/23	3135G0V75	
FANNIE MAE	1.625	10/15/2024	101.06	1.229	0.08	T 1 1/8 01/15/25	3135G0W66	
FEDERAL HOME LOAN BANK	1.000	12/20/2024	99.20	1.279	0.09	T 1 1/8 01/15/25	3130AQF40	
FEDERAL FARM CREDIT BANK	1.125	1/6/2025	99.52	1.289	0.09	T 1 1/8 01/15/25	3133ENKS8	
FANNIE MAE	0.625	4/22/2025	97.79	1.319	0.06	T 1 1/8 01/15/25	3135G03U5	
FARMER MAC	0.750	7/28/2025	97.64	1.439	0.13	T 1 1/8 01/15/25	31422XPB2	
FANNIE MAE	0.375	8/25/2025	96.45	1.389	0.07	T 1 1/8 01/15/25	3135G05X7	
FREDDIE MAC	0.375	9/23/2025	96.31	1.409	0.07	T 1 1/8 01/15/25	3137EAEX3	
FEDERAL HOME LOAN BANK	2.125	12/11/2026	102.49	1.594	0.00	T 1 1/4 12/31/26	3130A9YY1	
FARMER MAC	1.500	1/19/2027	99.36	1.634	0.02	T 1 1/4 12/31/26	31422XS55	

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Indicative Offerings - Mortgage-Backed Securities 1/18/2022

MBS Pools									
Issue	Coupon	WAL	Yield	I Spread	Price	Principal	Type	Current Face	Cusip
FN FM9321	2.00	5.19	1.83	18	100.75	03/22-08/36	15 Year	19,582,226	3140XDLB0
FR SB8116	2.50	4.70	1.86	27	102.69	03/22-02/36	15 Year	18,403,242	3132D6AR1
FR SB8112	2.50	4.69	1.86	28	102.66	03/22-03/36	15 Year	5,060,813	3132D6AM2
FR RB5141	2.00	6.59	2.16	40	99.00	03/22-11/41	15 Year	7,966,082	3133KYWA3
FN MA4501	2.00	6.53	2.15	39	99.06	03/22-10/41	20 Year	19,847,492	31418EAB6

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Treasury Offerings 1/18/2022

Bullets						
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip
US TREASURY N/B	0.125	1/31/2023	99.56	0.549	1.04	91282CBG5
US TREASURY N/B	1.500	2/28/2023	101.02	0.580	1.11	912828P79
US TREASURY N/B	0.125	3/31/2023	99.37	0.656	1.20	91282CBU4
US TREASURY N/B	2.750	4/30/2023	102.60	0.708	1.28	9128284L1
US TREASURY N/B	2.750	5/31/2023	102.72	0.742	1.36	9128284S6
US TREASURY N/B	0.125	6/30/2023	99.05	0.785	1.45	91282CCK5
US TREASURY N/B	0.125	7/31/2023	98.92	0.839	1.53	91282CCN9
US TREASURY N/B	0.125	8/31/2023	98.81	0.873	1.62	91282CCU3
US TREASURY N/B	1.375	9/30/2023	100.81	0.892	1.70	912828T26
US TREASURY N/B	0.375	10/31/2023	99.01	0.938	1.78	91282CDD0
US TREASURY N/B	0.500	11/30/2023	99.15	0.959	1.87	91282CDM0
US TREASURY N/B	0.750	12/31/2023	99.54	0.991	1.95	91282CDR9
US TREASURY N/B	2.500	1/31/2024	103.03	0.992	2.04	9128285Z9
US TREASURY N/B	2.125	2/29/2024	102.31	1.017	2.12	912828W48
US TREASURY N/B	2.125	3/31/2024	102.31	1.058	2.20	912828W71
US TREASURY N/B	0.375	4/15/2024	98.46	1.072	2.24	91282CBV2
US TREASURY N/B	2.000	5/31/2024	102.08	1.105	2.37	912828XT2
US TREASURY N/B	1.750	6/30/2024	101.50	1.126	2.45	9128286Z8
US TREASURY N/B	0.375	7/15/2024	98.12	1.143	2.49	91282CCL3
US TREASURY N/B	1.250	8/31/2024	100.18	1.182	2.62	912828YE4
US TREASURY N/B	1.500	9/30/2024	100.78	1.203	2.70	912828YH7
US TREASURY N/B	1.500	10/31/2024	100.75	1.223	2.79	912828YM6
US TREASURY N/B	0.750	11/15/2024	98.62	1.249	2.83	91282CDH1
US TREASURY N/B	1.000	12/15/2024	99.23	1.271	2.91	91282CDN8
US TREASURY N/B	1.125	1/15/2025	99.54	1.284	2.99	91282CDS7
US TREASURY N/B	1.125	2/28/2025	99.48	1.296	3.12	912828ZC7
US TREASURY N/B	0.500	3/31/2025	97.47	1.310	3.20	912828ZF0
US TREASURY N/B	0.375	4/30/2025	96.94	1.331	3.28	912828ZL7
US TREASURY N/B	0.250	5/31/2025	96.39	1.353	3.37	912828ZT0
US TREASURY N/B	0.250	6/30/2025	96.25	1.368	3.45	912828ZW3
US TREASURY N/B	0.250	7/31/2025	96.08	1.392	3.53	91282CAB7
US TREASURY N/B	0.250	8/31/2025	95.92	1.413	3.62	91282CAJ0
US TREASURY N/B	0.250	9/30/2025	95.82	1.416	3.70	91282CAM3
US TREASURY N/B	0.250	10/31/2025	95.64	1.440	3.79	91282CAT8
US TREASURY N/B	0.375	11/30/2025	95.94	1.459	3.87	91282CAZ4
US TREASURY N/B	0.375	12/31/2025	95.83	1.467	3.95	91282CBC4
US TREASURY N/B	0.375	1/31/2026	95.67	1.485	4.04	91282CBH3

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Treasury Offerings 1/18/2022

Bullets						
Issuer	Coupon	Maturity	Price	Yield	Years	Cusip
US TREASURY N/B	0.500	2/28/2026	96.03	1.500	4.12	91282CBQ3
US TREASURY N/B	0.750	3/31/2026	96.93	1.508	4.20	91282CBT7
US TREASURY N/B	0.750	4/30/2026	96.82	1.521	4.28	91282CBW0
US TREASURY N/B	0.750	5/31/2026	96.69	1.536	4.37	91282CCF6
US TREASURY N/B	0.875	6/30/2026	97.14	1.543	4.45	91282CCJ8
US TREASURY N/B	0.625	7/31/2026	95.96	1.552	4.53	91282CCP4
US TREASURY N/B	0.750	8/31/2026	96.42	1.558	4.62	91282CCW9
US TREASURY N/B	0.875	9/30/2026	96.88	1.566	4.70	91282CCZ2
US TREASURY N/B	1.125	10/31/2026	97.94	1.575	4.79	91282CDG3
US TREASURY N/B	1.250	11/30/2026	98.49	1.574	4.87	91282CDK4
US TREASURY N/B	1.250	12/31/2026	98.44	1.578	4.95	91282CDQ1
US TREASURY N/B	1.500	1/31/2027	99.64	1.575	5.04	912828Z78
US TREASURY N/B	1.125	2/28/2027	97.74	1.587	5.12	912828ZB9
US TREASURY N/B	0.625	3/31/2027	95.21	1.589	5.20	912828ZE3
US TREASURY N/B	0.500	4/30/2027	94.46	1.598	5.28	912828ZN3
US TREASURY N/B	0.500	5/31/2027	94.29	1.616	5.37	912828ZS2
US TREASURY N/B	0.500	6/30/2027	94.17	1.622	5.45	912828ZV5
US TREASURY N/B	0.375	7/31/2027	93.45	1.618	5.53	91282CAD3
US TREASURY N/B	0.500	8/31/2027	93.88	1.647	5.62	91282CAH4
US TREASURY N/B	0.375	9/30/2027	93.10	1.649	5.70	91282CAL5
US TREASURY N/B	0.500	10/31/2027	93.60	1.666	5.79	91282CAU5
US TREASURY N/B	0.625	11/30/2027	94.16	1.674	5.87	91282CAY7
US TREASURY N/B	0.625	12/31/2027	94.05	1.681	5.95	91282CBB6
US TREASURY N/B	0.750	1/31/2028	94.66	1.685	6.04	91282CBJ9
US TREASURY N/B	1.125	2/29/2028	96.81	1.676	6.12	91282CBP5
US TREASURY N/B	1.250	3/31/2028	97.38	1.698	6.20	91282CBS9
US TREASURY N/B	1.250	4/30/2028	97.32	1.701	6.28	91282CBZ3
US TREASURY N/B	1.250	5/31/2028	97.28	1.702	6.37	91282CCE9
US TREASURY N/B	1.250	6/30/2028	97.18	1.714	6.45	91282CCH2
US TREASURY N/B	1.000	7/31/2028	95.56	1.722	6.54	91282CCR0
US TREASURY N/B	1.125	8/31/2028	96.26	1.726	6.62	91282CCV1
US TREASURY N/B	1.250	9/30/2028	96.98	1.730	6.70	91282CCY5
US TREASURY N/B	1.375	10/31/2028	97.71	1.734	6.79	91282CDF5
US TREASURY N/B	1.500	11/30/2028	98.48	1.736	6.87	91282CDL2
US TREASURY N/B	1.375	12/31/2028	97.62	1.740	6.96	91282CDP3
US TREASURY N/B	2.375	5/15/2029	104.43	1.729	7.33	9128286T2
US TREASURY N/B	1.625	8/15/2029	99.32	1.722	7.58	912828YB0

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Issuer	Coupon	Maturity	Price	Yield	Years	Cusip	
US TREASURY N/B	1.750	11/15/2029	100.22	1.719	7.83	912828YS3	
US TREASURY N/B	1.500	2/15/2030	98.28	1.729	8.08	912828Z94	
US TREASURY N/B	0.625	5/15/2030	91.37	1.743	8.33	912828Z06	
US TREASURY N/B	0.625	8/15/2030	91.08	1.751	8.58	91282CAE1	
US TREASURY N/B	0.875	11/15/2030	92.86	1.753	8.83	91282CAV3	
US TREASURY N/B	1.125	2/15/2031	94.77	1.751	9.08	91282CBL4	
US TREASURY N/B	1.625	5/15/2031	98.85	1.759	9.33	91282CCB5	
US TREASURY N/B	1.250	8/15/2031	95.41	1.773	9.58	91282CCS8	
US TREASURY N/B	1.375	11/15/2031	96.33	1.784	9.83	91282CDJ7	

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ISI Intra-day Offerings

January 18, 2022 8:06 AM

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Change	SETTLEMENT
1	3.00y/12m,1x	STEP	FHLB	1/27/2025	3130AQND1	100.000	0.750%	0.750%	1.412%	-6.598%	1/27/2022
<i>STEP DETAILS: 0.75% to 1/23; 1.75% to 1/25</i>											
2	3.75y/3m,q	STEP	FHLB	10/28/2025	3130AQM3	100.000	0.750%	0.750%	1.656%	-7.342%	1/28/2022
<i>STEP DETAILS: 0.75% to 4/22; 0.875% to 7/22; 1% to 10/22; 1.125% to 1/23; 1.25% to 4/23; 1.375% to 7/23; 1.5% to 10/23; 1.625% to 1/24; 1.75% to 4/24; 1.875% to 7/24; 2% to 10/24; 2.125% to 1/25; 2.25% to 4/25; 2.5% to 7/25; 3% to 10/25</i>											
3	4.00y/12m,q	STEP	FHLB	1/26/2026	3130AQJ3	100.000	1.125%	1.125%	1.433%	-9.865%	1/26/2022
<i>STEP DETAILS: 1.125% to 1/23; 1.25% to 1/24; 1.5% to 1/25; 1.75% to 7/25; 2% to 1/26</i>											
4	4.00y/24m,1x	STEP	FHLB	1/26/2026	3130AQN90	100.000	1.050%	1.050%	1.518%	-9.308%	1/26/2022
<i>STEP DETAILS: 1.05% to 1/24; 2% to 1/26</i>											
5	4.00y/12m,q	STEP	FHLB	1/27/2026	3130AQN8	100.000	0.750%	0.750%	2.277%	-6.159%	1/27/2022
<i>STEP DETAILS: 0.75% to 1/23; 1.5% to 1/24; 2% to 7/24; 3% to 1/25; 4% to 7/25; 5% to 1/26</i>											
6	5.00y/24m,1x	STEP	FHLB	1/26/2027	3130AQM8	100.000	1.125%	1.125%	1.788%	-10.532%	1/26/2022
<i>STEP DETAILS: 1.125% to 1/24; 2.25% to 1/27</i>											
7	5.00y/12m,q	STEP	FHLB	1/27/2027	3130AQK1	100.000	1.250%	1.250%	1.786%	-11.081%	1/27/2022
<i>STEP DETAILS: 1.25% to 1/24; 1.5% to 7/24; 1.75% to 1/25; 2% to 7/25; 2.25% to 1/26; 2.5% to 7/26; 3% to 1/27</i>											
8	5.00y/12m,a	STEP	FHLB	1/27/2027	3130AQN3	100.000	1.000%	1.000%	1.933%	-9.367%	1/27/2022
<i>STEP DETAILS: 1% to 1/23; 1.5% to 1/24; 2% to 1/25; 2.5% to 1/26; 2.75% to 1/27</i>											
9	5.00y/3m,q	STEP	FHLB	1/28/2027	3130AQN41	100.000	1.000%	1.000%	2.071%	-9.026%	1/28/2022
<i>STEP DETAILS: 1% to 4/22; 1.05% to 7/22; 1.1% to 10/22; 1.15% to 1/23; 1.2% to 4/23; 1.25% to 7/23; 1.375% to 10/23; 1.5% to 1/24; 1.625% to 4/24; 1.75% to 7/24; 1.875% to 10/24; 2% to 1/25; 2.125% to 4/25; 2.25% to 7/25; 2.5% to 10/25; 2.75% to 1/26; 3% to 4/26; 3.5% to 7/26; 4% to 10/26</i>											
10	5.00y/18m,1x	STEP	FHLB	1/28/2027	3130AQA7	100.000	1.000%	1.000%	1.777%	-10.043%	1/28/2022
<i>STEP DETAILS: 1% to 7/23; 2.125% to 1/27</i>											

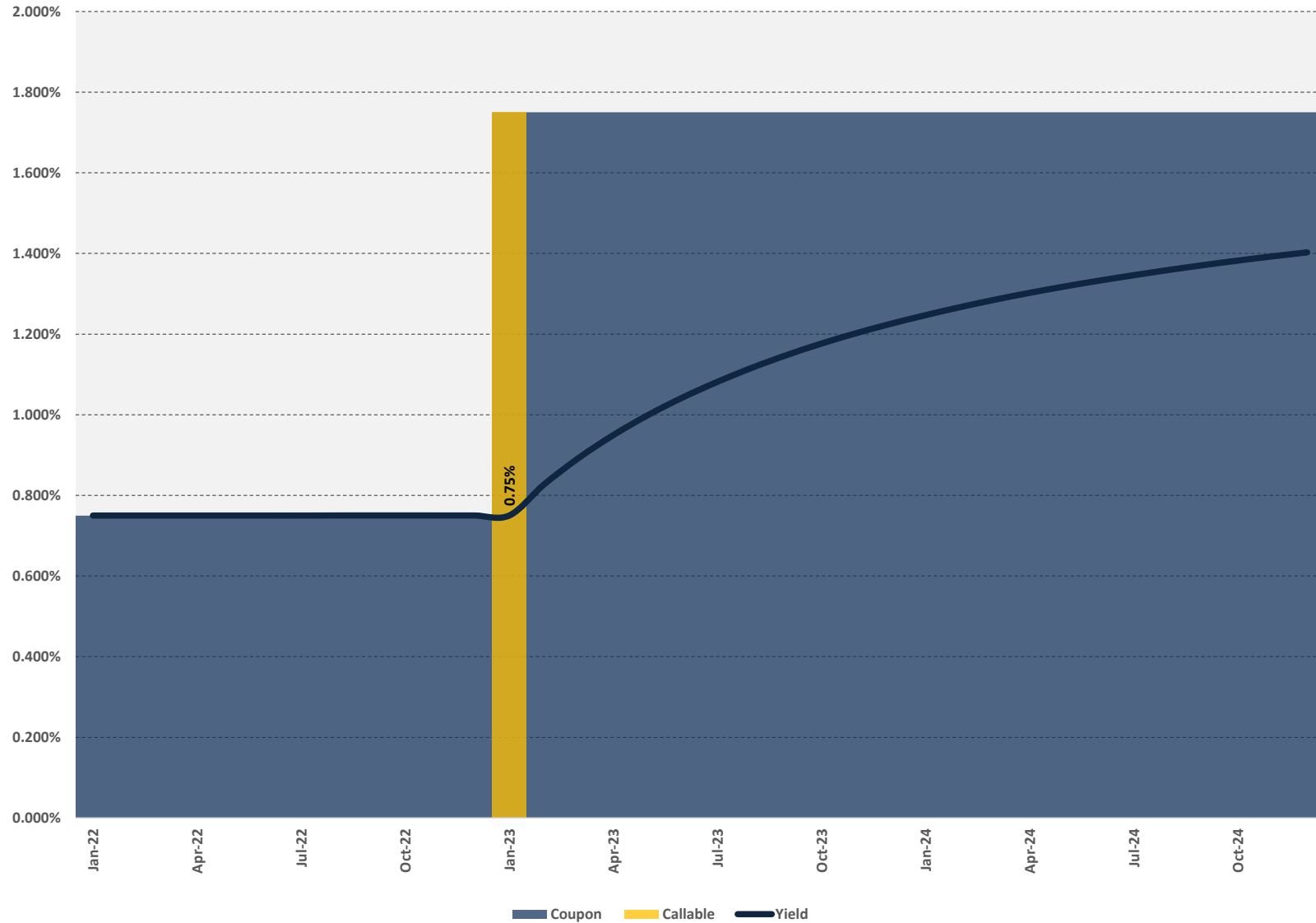
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Please contact ISI to discuss your specific situation and objectives.

OFFERING #1 DETAILS

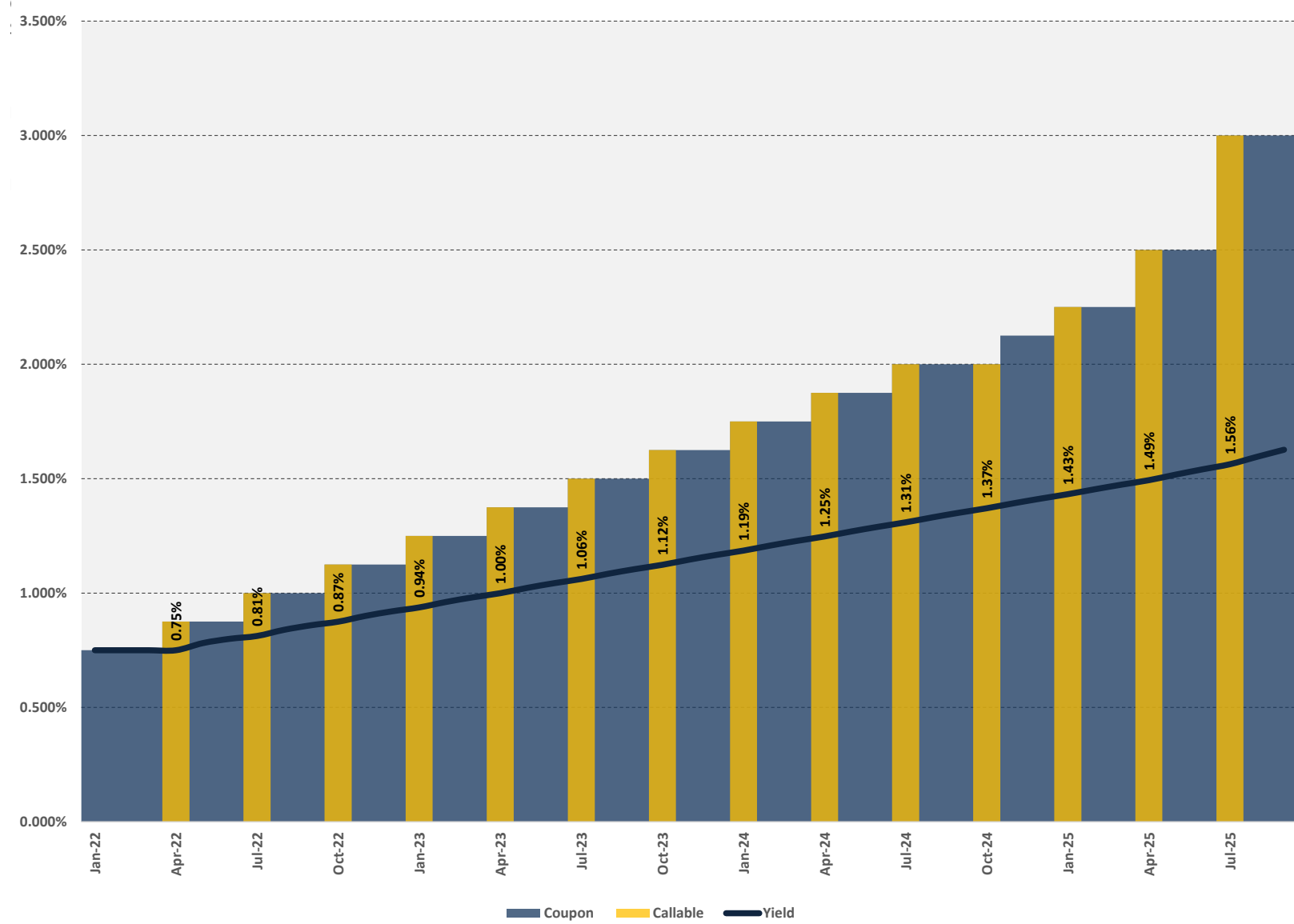
#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
1	3.00y/12m,1x	STEP	FHLB	1/27/2025	3130AQND1	100.000	0.750%	0.750%	1.412%	-6.598%	1/27/2022

STEP DETAILS: 0.75% to 1/23; 1.75% to 1/25



OFFERING #2 DETAILS

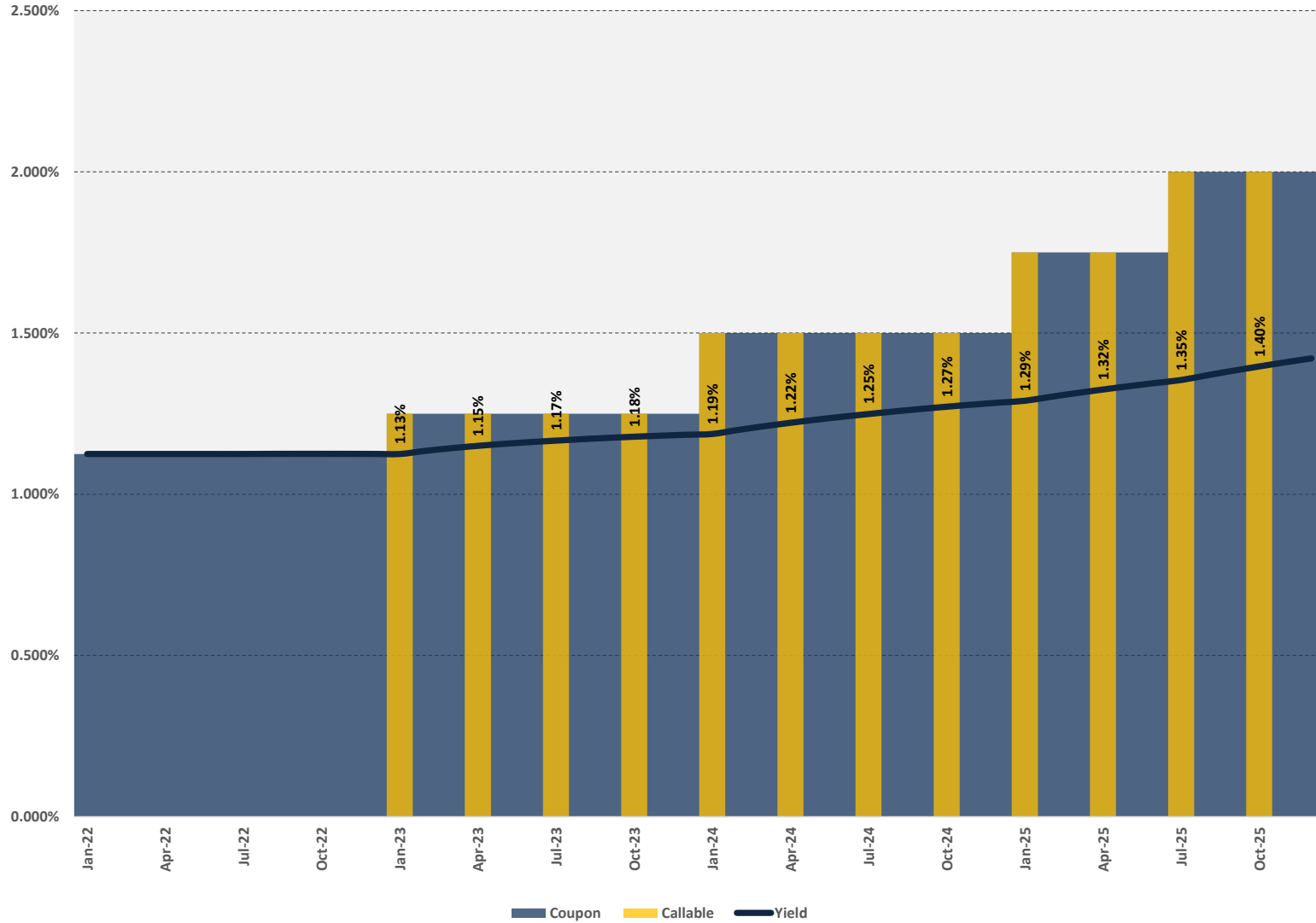
#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
2	3.75y/3m,q	STEP	FHLB	10/28/2025	3130AQM3	100.000	0.750%	0.750%	1.656%	-7.342%	1/28/2022
STEP DETAILS: 0.75% to 4/22; 0.875% to 7/22; 1% to 10/22; 1.125% to 1/23; 1.25% to 4/23; 1.375% to 7/23; 1.5% to 10/23; 1.625% to 1/24; 1.75% to 4/24; 1.875%											



OFFERING #3 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
3	4.00y/12m,q	STEP	FHLB	1/26/2026	3130AQJJ3	100.000	1.125%	1.125%	1.433%	-9.865%	1/26/2022

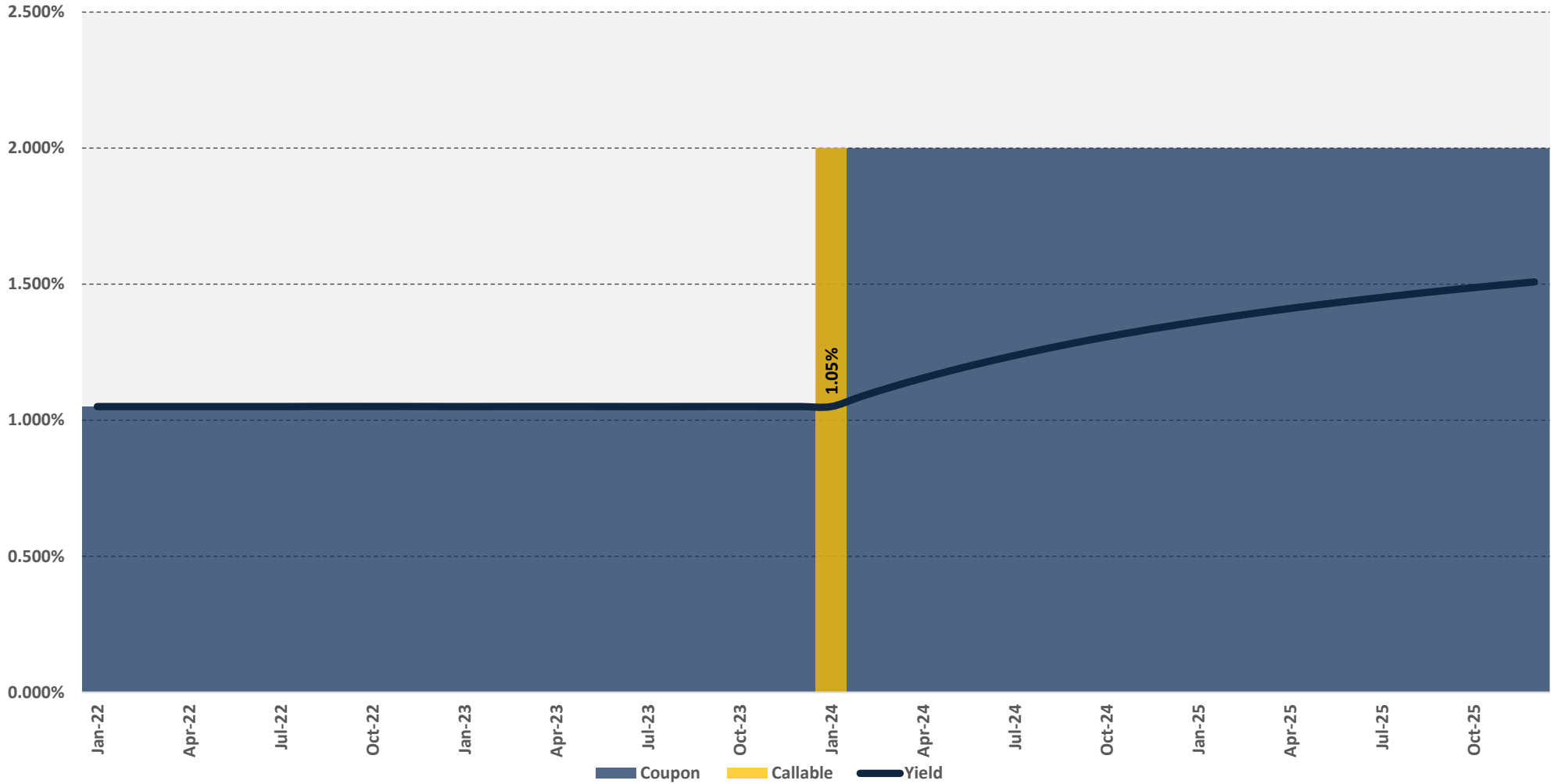
STEP DETAILS: 1.125% to 1/23; 1.25% to 1/24; 1.5% to 1/25; 1.75% to 7/25; 2% to 1/26



OFFERING #4 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
4	4.00y/24m,1x	STEP	FHLB	1/26/2026	3130AQN90	100.000	1.050%	1.050%	1.518%	-9.308%	1/26/2022

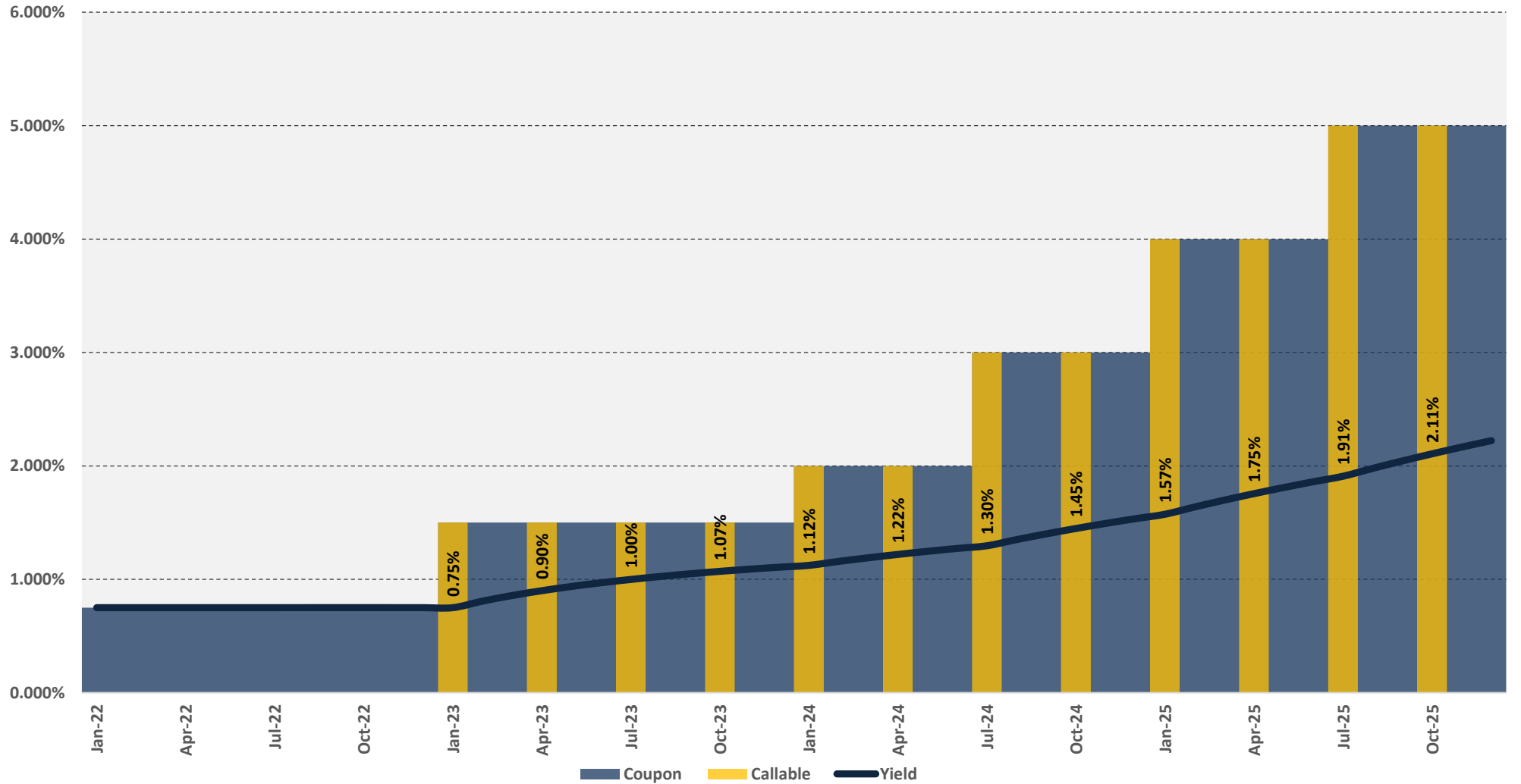
STEP DETAILS: 1.05% to 1/24; 2% to 1/26



OFFERING #5 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
5	4.00y/12m,q	STEP	FHLB	1/27/2026	3130AQNJ8	100.000	0.750%	0.750%	2.277%	-6.159%	1/27/2022

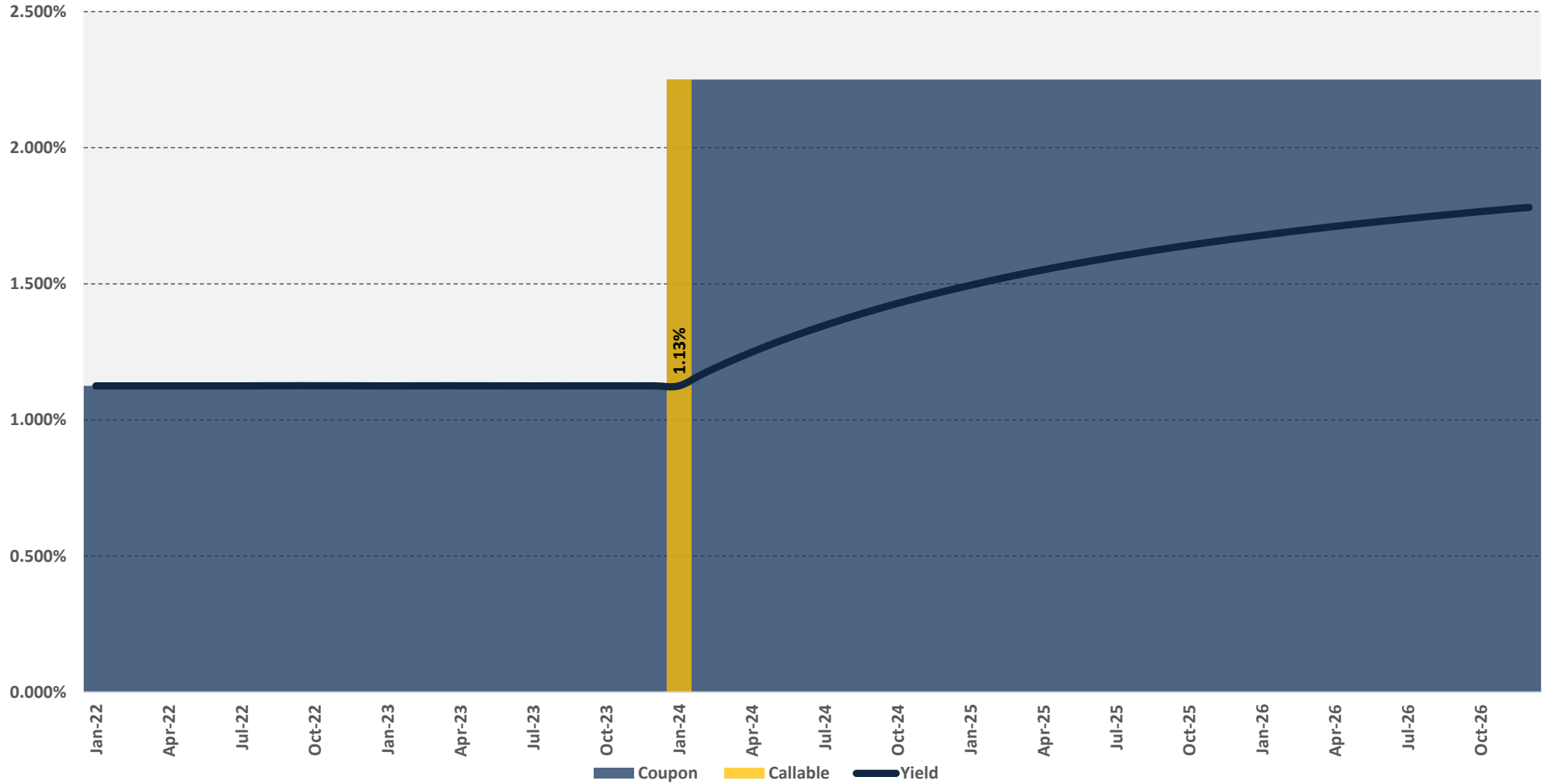
STEP DETAILS: 0.75% to 1/23; 1.5% to 1/24; 2% to 7/24; 3% to 1/25; 4% to 7/25; 5% to 1/26



OFFERING #6 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
6	5.00y/24m,1x	STEP	FHLB	1/26/2027	3130AQMXX8	100.000	1.125%	1.125%	1.788%	-10.532%	1/26/2022

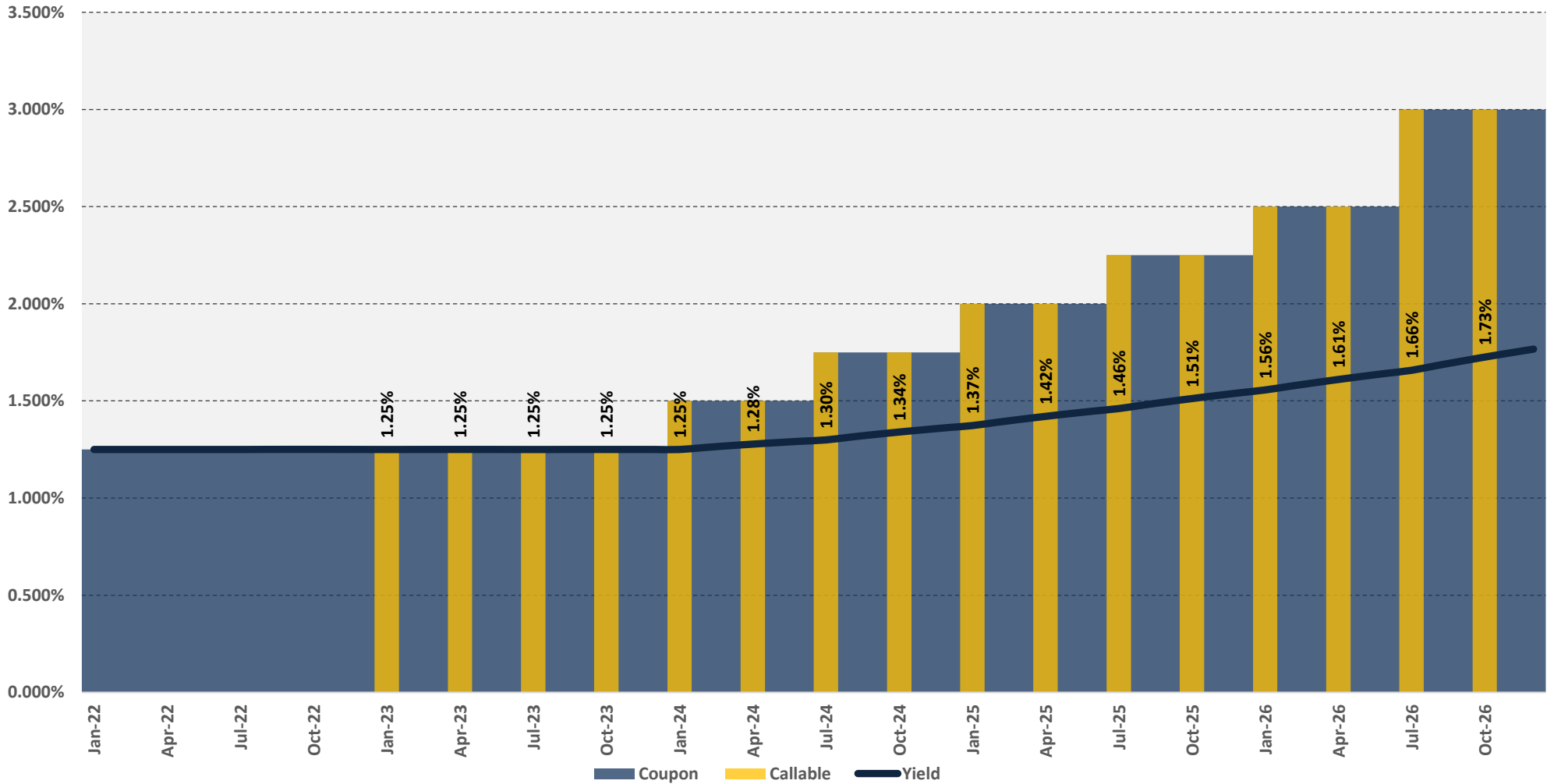
STEP DETAILS: 1.125% to 1/24; 2.25% to 1/27



OFFERING #7 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
7	5.00y/12m,q	STEP	FHLB	1/27/2027	3130AQS1	100.000	1.250%	1.250%	1.786%	-11.081%	1/27/2022

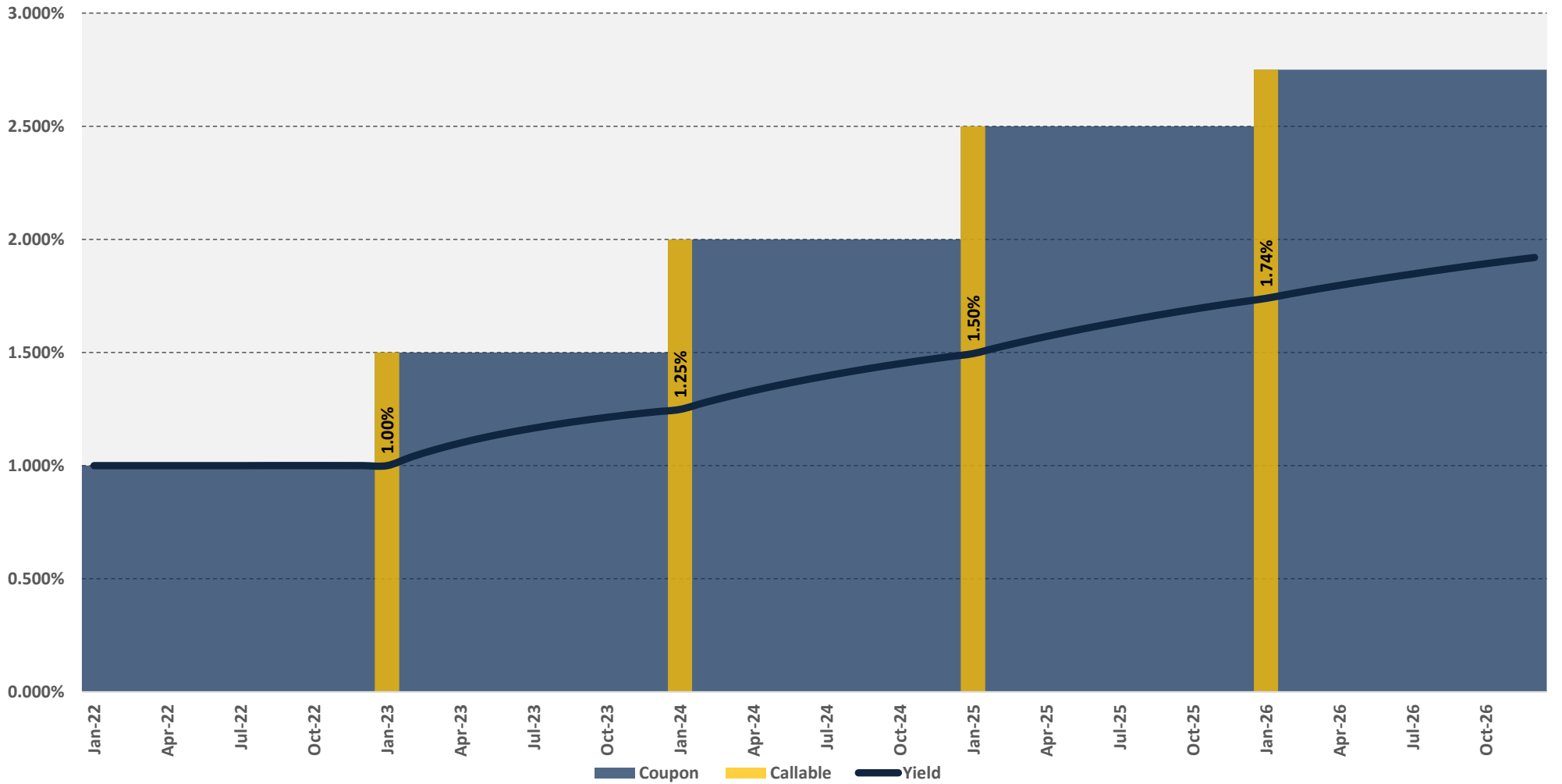
STEP DETAILS: 1.25% to 1/24; 1.5% to 7/24; 1.75% to 1/25; 2% to 7/25; 2.25% to 1/26; 2.5% to 7/26; 3% to 1/27



OFFERING #8 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
8	5.00y/12m,a	STEP	FHLB	1/27/2027	3130AQNC3	100.000	1.000%	1.000%	1.933%	-9.367%	1/27/2022

STEP DETAILS: 1% to 1/23; 1.5% to 1/24; 2% to 1/25; 2.5% to 1/26; 2.75% to 1/27

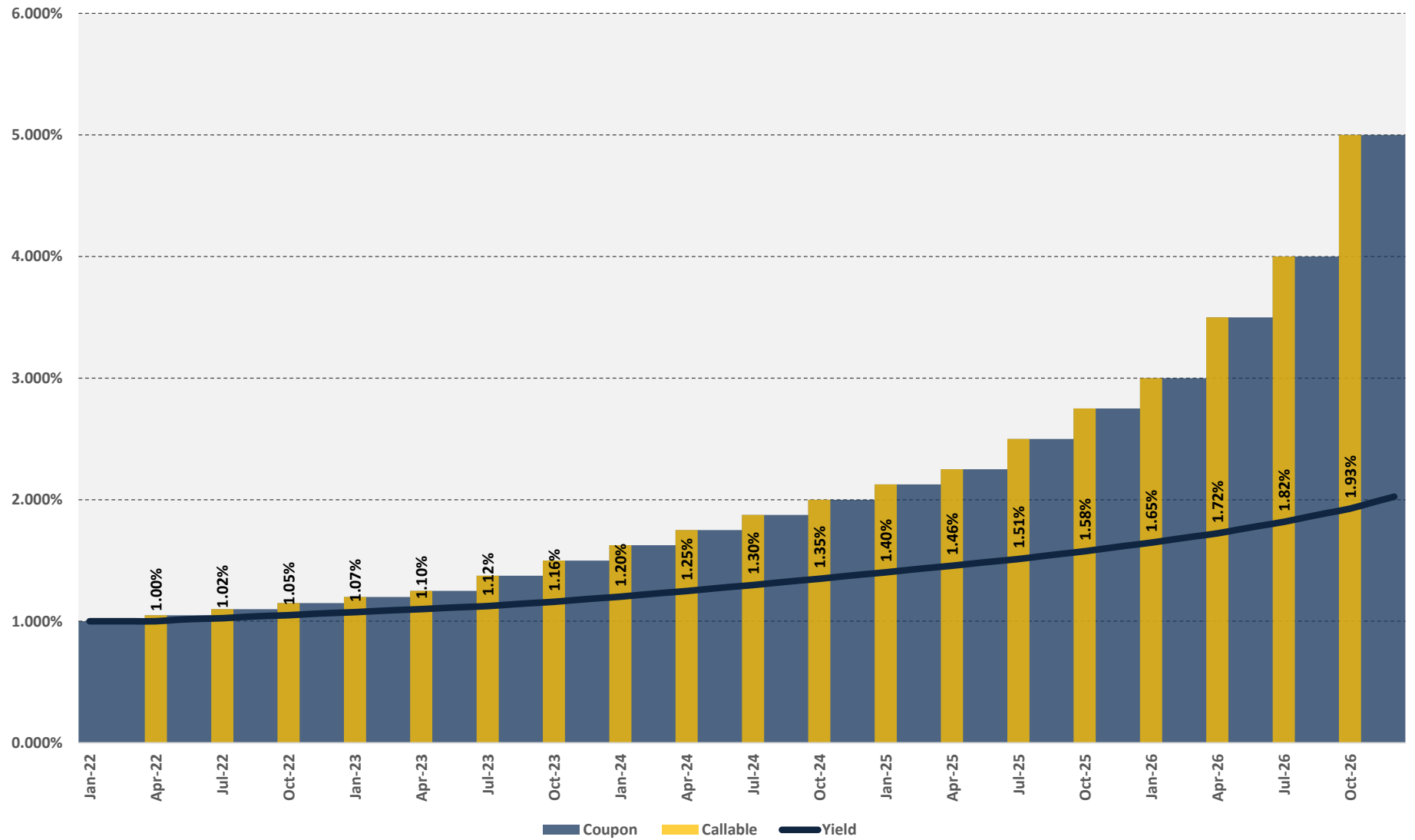


OFFERING #9 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
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9	5.00y/3m,q	STEP	FHLB	1/28/2027	3130AQN41	100.000	1.000%	1.000%	2.071%	-9.026%	1/28/2022
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STEP DETAILS: 1% to 4/22; 1.05% to 7/22; 1.1% to 10/22; 1.15% to 1/23; 1.2% to 4/23; 1.25% to 7/23; 1.375% to 10/23; 1.5% to 1/24; 1.625% to 4/24; 1.75% to 7/24;



OFFERING #10 DETAILS

#	TERMS	COUPON	ISSUER	MATURITY	CUSIP	PRICE	YTC	YTW	YTM	+300 Decline	SETTLEMENT
10	5.00y/18m,1x	STEP	FHLB	1/28/2027	3130AQNA7	100.000	1.000%	1.000%	1.777%	-10.043%	1/28/2022

STEP DETAILS: 1% to 7/23; 2.125% to 1/27

