

**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  
 1/13/2021**

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
FREDDIE MAC	3134GXXH6	0.125	1/27/2023	4/27/2021	100	2.00	3	Quarterly	1/27/2021	-0.03	0.125	0.125
FREDDIE MAC	3134GXXV5	0.220	1/29/2024	4/29/2021	100	3.00	3	Quarterly	1/29/2021	-0.04	0.220	0.220
FANNIE MAE	3135GAC90	0.250	7/15/2024	7/15/2021	100	3.50	6	Quarterly	1/15/2021	-0.07	0.250	0.250
FEDERAL HOME LOAN BANK	3130AKMF0	0.300	10/28/2024	7/28/2021	100	3.75	6	Quarterly	1/28/2021	-0.05	0.300	0.300
FEDERAL HOME LOAN BANK	3130AKMR4	0.330	1/15/2025	7/15/2021	100	4.00	6	Anytime	1/15/2021	-0.05	0.330	0.330
FEDERAL HOME LOAN BANK	3130AKQF6	0.400	1/27/2025	7/27/2021	100	4.00	6	Quarterly	1/27/2021	0.02	0.400	0.400
FANNIE MAE	3135GACA7	0.375	4/15/2025	7/15/2021	100	4.25	6	Quarterly	1/15/2021	-0.03	0.375	0.375
FEDERAL HOME LOAN BANK	3130AKM29	0.400	7/15/2025	7/15/2021	100	4.50	6	Anytime	1/15/2021	-0.03	0.400	0.400
FEDERAL HOME LOAN BANK	3130AKNK8	0.500	10/20/2025	7/20/2021	100	4.75	7	Quarterly	1/20/2021	0.04	0.500	0.500
FREDDIE MAC	3134GXXS2	0.500	10/29/2025	4/29/2021	100	4.75	3	Quarterly	1/29/2021	0.04	0.500	0.500
FEDERAL FARM CREDIT BANK	3133EMND0	0.570	1/20/2026	7/20/2021	100	5.00	6	Anytime	1/20/2021	0.08	0.570	0.570
FEDERAL HOME LOAN BANK	3130AKM86	0.500	1/26/2026	4/26/2021	100	5.00	3	Quarterly	1/26/2021	0.01	0.500	0.500
FEDERAL HOME LOAN BANK	3130AKQ22	0.625	1/28/2026	1/28/2022	100	5.00	12	Quarterly	1/28/2021	0.14	0.625	0.625
FEDERAL HOME LOAN BANK	3130AKN69	0.500	1/28/2026	1/28/2022	100	5.00	12	Annual	1/28/2021	0.01	0.500	0.500
FEDERAL HOME LOAN BANK	3130AKPN0	0.600	1/29/2026	7/29/2021	100	5.00	6	Quarterly	1/29/2021	0.11	0.600	0.600
FEDERAL HOME LOAN BANK	3130AKMM5	0.520	7/27/2026	1/27/2023	100	5.50	24	Annual	1/27/2021	-0.03	0.520	0.520
FEDERAL HOME LOAN BANK	3130AKNS1	0.600	7/28/2026	1/28/2022	100	5.50	12	Quarterly	1/28/2021	0.05	0.600	0.600
FEDERAL HOME LOAN BANK	3130AKP23	0.680	7/29/2026	7/29/2021	100	5.50	6	Quarterly	1/29/2021	0.13	0.680	0.680
FEDERAL HOME LOAN BANK	3130AKPS9	0.700	10/29/2026	7/29/2021	100	5.75	6	Quarterly	1/29/2021	0.12	0.700	0.700
FEDERAL HOME LOAN BANK	3130AKPV2	0.800	1/29/2027	7/29/2021	100	6.00	6	Quarterly	1/29/2021	0.19	0.800	0.800
FEDERAL HOME LOAN BANK	3130AKQW9	1.000	1/28/2028	7/28/2021	100	7.00	6	Quarterly	1/28/2021	0.26	1.000	1.000
FEDERAL HOME LOAN BANK	3130AKQB5	1.000	7/27/2028	1/27/2022	100	7.50	12	Quarterly	1/27/2021	0.20	1.000	1.000
FEDERAL HOME LOAN BANK	3130AKNU6	1.000	7/28/2028	7/28/2021	100	7.50	6	Quarterly	1/28/2021	0.20	1.000	1.000
FEDERAL HOME LOAN BANK	3130AKR40	1.190	1/29/2029	4/29/2021	100	8.01	3	Anytime	1/29/2021	0.33	1.190	1.190
FEDERAL HOME LOAN BANK	3130AKQ58	1.200	7/27/2029	7/27/2021	100	8.50	6	Quarterly	1/27/2021	0.28	1.200	1.200
FEDERAL HOME LOAN BANK	3130AKR57	1.290	1/28/2030	7/28/2021	100	9.01	6	Anytime	1/28/2021	0.30	1.290	1.290
FEDERAL HOME LOAN BANK	3130AKR73	1.700	1/29/2036	1/29/2024	100	15.01	36	Anytime	1/29/2021	0.40	1.700	1.700

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	3130AKPM2	0.250	1/26/2026	7/26/2021	100	5.00	6	Quarterly	1/26/2021	0.13	0.622	0.250
FEDERAL HOME LOAN BANK	3130AKP42	0.200	1/27/2026	7/27/2021	100	5.00	6	Quarterly	1/27/2021	0.11	0.598	0.200

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 1/13/2021

Callables										
Issuer	Coupon	Maturity	Call Date	Call Type	Price	YTC	YTM	Spread to Interp		Cusip
								Treas		
FEDERAL FARM CREDIT BANK	0.210	12/28/2023	12/28/2021	Anytime	99.90	0.315	0.244	-0.01		3133EMLT7
FEDERAL FARM CREDIT BANK	0.270	4/5/2024	4/5/2021	Anytime	100.00	0.270	0.270	-0.02		3133EMLV2
FEDERAL FARM CREDIT BANK	0.300	1/13/2025	7/13/2021	Anytime	99.88	0.552	0.332	-0.05		3133EMMQ2
FEDERAL FARM CREDIT BANK	0.790	6/21/2027	6/21/2021	Anytime	99.85	1.135	0.814	0.15		3133EMKZ4

Bullets								
Issuer	Coupon	Maturity	Price	Yield	Spread to Interp		Benchmark	Cusip
					Treas			
FANNIE MAE	0.250	7/10/2023	100.27	0.142	-0.06		T 0 1/8 12/31/22	3135G05G4
FEDERAL FARM CREDIT BANK	0.250	11/27/2023	100.07	0.227	-0.02		T 0 1/8 01/15/24	3133EMHR6
FREDDIE MAC	0.250	12/4/2023	100.08	0.222	-0.03		T 0 1/8 01/15/24	3137EAF2
FARMER MAC	0.420	6/19/2024	100.52	0.267	-0.04		T 0 1/8 01/15/24	31422BE89
FANNIE MAE	1.750	7/2/2024	105.18	0.247	-0.07		T 0 1/8 01/15/24	3135G0V75
FANNIE MAE	2.625	9/6/2024	108.64	0.242	-0.10		T 0 1/8 01/15/24	3135G0ZR7
FANNIE MAE	1.625	10/15/2024	105.07	0.267	-0.08		T 0 1/8 01/15/24	3135G0W66
FEDERAL FARM CREDIT BANK	0.375	1/15/2025	100.07	0.357	-0.02		T 0 1/8 01/15/24	3133EMNF5
FANNIE MAE	1.875	9/24/2026	107.38	0.556	-0.02		T 0 3/8 12/31/25	3135G0Q22

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### Indicative Offerings - Mortgage-Backed Securities 1/13/2021

MBS Pools									
Issue	Coupon	WAL	Yield	I Spread	Price	Principal	Type	Current Face	Cusip
FN MA4228	1.50	4.53	0.91	48	102.48	02/21-11/35	15 Year	49,693,415	31418DVVW9
FR SB8083	1.50	4.53	0.91	48	102.48	02/21-11/35	15 Year	496,702,960	3132D56U1
FR SB8068	1.50	4.37	0.89	48	102.48	02/21-08/35	15 Year	112,060,588	3132D56D9
FR SB8074	2.00	3.83	0.78	44	104.45	02/21-08/35	15 Year	88,061,443	3132D56K3
FN MA4206	2.00	3.89	0.80	45	104.45	02/21-09/35	15 Year	7,015,866	31418DU83
FN MA4229	2.00	3.96	0.82	46	104.45	02/21-11/35	15 Year	17,334,336	31418DVX7
FR SB8075	2.50	3.46	0.72	43	105.88	02/21-05/35	15 Year	20,928,007	3132D56L1
FN FM5454	2.00	4.43	1.20	77	103.30	03/21-10/40	20 Year	99,565,681	3140X9BY0

CMOs										
Issue	Coupon	WAL	Yield	I Spread	Price	FMED U300 % Change	Principal Window	Type	Current Face	Cusip
GNR 2020-180 PA	2.00	2.98	0.59	41	104.06	-14.4%	02/21-10/29	EXCH,AD+	29,903,247	38382K6P3
GNR 2020-180 PA	2.00	2.98	0.59	41	104.06	-14.4%	02/21-10/29	EXCH,AD+	29,903,247	38382K6P3

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