

**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  
 9/15/2020**

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	3134GWS64	0.180	9/30/2022	9/30/2021	100	2.00	12	Quarterly	9/30/2020	0.04	0.180	0.180	
FEDERAL HOME LOAN BANK	3130AK6J0	0.200	12/29/2022	3/29/2021	100	2.25	6	Anytime	9/29/2020	0.05	0.200	0.200	
FREDDIE MAC	3134GWR73	0.270	6/30/2023	9/30/2021	100	2.75	12	Quarterly	9/30/2020	0.10	0.270	0.270	
FEDERAL HOME LOAN BANK	3130AK6F8	0.230	9/21/2023	12/21/2020	100	3.00	3	Anytime	9/21/2020	0.05	0.230	0.230	
FREDDIE MAC	3134GWM94	0.330	3/15/2024	3/15/2021	100	3.50	6	Quarterly	9/16/2020	0.12	0.330	0.330	
FREDDIE MAC	3134GWS56	0.350	3/22/2024	9/22/2021	100	3.50	12	Quarterly	9/22/2020	0.15	0.350	0.350	
FEDERAL FARM CREDIT BANK	3133EMAB8	0.390	6/17/2024	12/17/2020	100	3.75	3	Anytime	9/17/2020	0.17	0.390	0.390	
FANNIE MAE	3136G43T8	0.400	9/16/2024	9/16/2022	100	4.00	24	Quarterly	9/16/2020	0.17	0.400	0.400	
FREDDIE MAC	3134GWSW7	0.420	9/17/2024	9/17/2021	100	4.00	12	Quarterly	9/17/2020	0.19	0.420	0.420	
FEDERAL HOME LOAN BANK	3130AK6G6	0.390	9/23/2024	12/23/2020	100	4.00	3	Anytime	9/23/2020	0.16	0.390	0.390	
FREDDIE MAC	3134GWR81	0.375	9/23/2024	9/23/2022	100	4.00	24	Onetime	9/23/2020	0.15	0.375	0.375	
FREDDIE MAC	3134GWQ82	0.450	12/24/2024	9/24/2021	100	4.25	12	Quarterly	9/24/2020	0.21	0.450	0.450	
FREDDIE MAC	3134GWM86	0.470	3/17/2025	3/17/2021	100	4.50	6	Quarterly	9/17/2020	0.22	0.470	0.470	
FREDDIE MAC	3134GWT22	0.475	3/24/2025	9/24/2021	100	4.50	12	Quarterly	9/24/2020	0.23	0.475	0.475	
FREDDIE MAC	3134GWP26	0.500	3/28/2025	3/28/2022	100	4.50	18	Quarterly	9/28/2020	0.25	0.500	0.500	
FEDERAL FARM CREDIT BANK	3133EL7K4	0.550	9/16/2025	9/16/2021	100	5.00	12	Anytime	9/16/2020	0.28	0.550	0.550	
FEDERAL HOME LOAN BANK	3130AK6H4	0.500	9/22/2025	3/22/2021	100	5.00	6	Anytime	9/22/2020	0.23	0.500	0.500	
FREDDIE MAC	3134GWSY3	0.600	9/30/2025	3/30/2021	100	5.00	6	Quarterly	9/30/2020	0.33	0.600	0.600	
FANNIE MAE	3136G44F7	0.550	9/30/2025	9/30/2021	100	5.00	12	Quarterly	9/30/2020	0.28	0.550	0.550	
FEDERAL HOME LOAN BANK	3130AK5J1	0.700	9/18/2026	3/18/2021	100	6.00	6	Anytime	9/18/2020	0.35	0.700	0.700	
FREDDIE MAC	3134GWTA4	0.650	9/30/2026	9/30/2021	100	6.00	12	Annual	9/30/2020	0.30	0.650	0.650	
FREDDIE MAC	3134GWSV9	0.750	12/28/2026	9/28/2021	100	6.25	12	Quarterly	9/28/2020	0.38	0.750	0.750	
FREDDIE MAC	3134GWT63	0.750	3/24/2027	3/24/2021	100	6.50	6	Quarterly	9/24/2020	0.36	0.750	0.750	
FEDERAL FARM CREDIT BANK	3133EMAC6	0.750	9/21/2027	9/21/2023	100	7.00	36	Anytime	9/21/2020	0.32	0.750	0.750	
FANNIE MAE	3136G44D2	0.750	9/30/2027	9/30/2022	100	7.00	24	Annual	9/30/2020	0.32	0.750	0.750	
FEDERAL HOME LOAN BANK	3130AK6K7	0.900	3/24/2028	9/24/2021	100	7.50	12	Anytime	9/24/2020	0.43	0.900	0.900	
FEDERAL HOME LOAN BANK	3130AK5Y8	0.970	9/21/2028	9/21/2021	100	8.01	12	Anytime	9/21/2020	0.45	0.970	0.970	
FANNIE MAE	3136G43P6	0.870	9/28/2028	9/28/2023	100	8.01	36	Quarterly	9/28/2020	0.35	0.870	0.870	
FREDDIE MAC	3134GWR57	1.000	12/28/2028	9/28/2021	100	8.25	12	Quarterly	9/28/2020	0.46	1.000	1.000	
FEDERAL HOME LOAN BANK	3130AK6L5	1.100	9/24/2029	3/24/2021	100	9.01	6	Anytime	9/24/2020	0.50	1.100	1.100	
FEDERAL FARM CREDIT BANK	3133EMAD4	1.050	9/17/2030	9/17/2025	100	10.01	60	Anytime	9/17/2020	0.37	1.050	1.050	
FREDDIE MAC	3134GWQ41	1.250	9/23/2030	9/23/2021	100	10.01	12	Quarterly	9/23/2020	0.57	1.250	1.250	
FEDERAL FARM CREDIT BANK	3133EL7L2	1.480	9/16/2033	9/16/2021	100	13.01	12	Anytime	9/16/2020	0.69	1.480	1.480	
FEDERAL HOME LOAN BANK	3130AK6M3	1.500	9/30/2033	3/30/2021	100	13.01	6	Anytime	9/30/2020	0.71	1.500	1.500	
FEDERAL HOME LOAN BANK	3130AK5Z5	1.450	9/18/2035	9/18/2025	100	15.01	60	Anytime	9/18/2020	0.58	1.450	1.450	

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 9/15/2020

Callables									
Issuer	Coupon	Maturity	Call Date	Call Type	Price	YTC	YTM	Spread to Interp	
								Treas	Cusip
FEDERAL FARM CREDIT BANK	0.280	9/14/2023	9/14/2021	Anytime	100.00	0.280	0.280	0.10	3133EL6U3
FREDDIE MAC	0.400	9/10/2024	3/10/2022	Quarterly	100.02	0.383	0.394	0.17	3134GWL79
FEDERAL HOME LOAN BANK	0.600	8/27/2025	11/27/2020	Anytime	100.05	0.346	0.590	0.32	3130AJZ36
FEDERAL FARM CREDIT BANK	0.680	3/9/2026	12/9/2020	Anytime	100.01	0.636	0.678	0.37	3133EL6S8
FEDERAL HOME LOAN BANK	1.000	3/10/2028	12/10/2020	Anytime	100.02	0.892	0.997	0.52	3130AK3G9

Bullets								
Issuer	Coupon	Maturity	Price	Yield	Spread to Interp		Cusip	
					Treas	Benchmark		
FEDERAL FARM CREDIT BANK	0.150	9/9/2022	100.02	0.142	0.00	T 0 1/8 08/31/22	3133EL6R0	
FEDERAL HOME LOAN BANK	1.875	12/9/2022	103.81	0.162	0.01	T 0 1/8 08/31/22	313381BR5	
FEDERAL FARM CREDIT BANK	0.750	3/13/2023	101.44	0.172	0.01	T 0 1/8 08/31/22	3133ELSP0	
FEDERAL FARM CREDIT BANK	0.250	7/10/2023	100.11	0.212	0.04	T 0 1/8 09/15/23	3133ELS62	
FEDERAL FARM CREDIT BANK	0.220	9/8/2023	99.98	0.227	0.04	T 0 1/8 09/15/23	3133EL6J8	
FEDERAL FARM CREDIT BANK	1.550	1/10/2024	104.34	0.237	0.04	T 0 1/8 09/15/23	3133ELGV0	
FEDERAL FARM CREDIT BANK	0.250	9/23/2024	99.95	0.262	0.04	T 0 1/8 09/15/23	3133EMAK8	
FEDERAL FARM CREDIT BANK	1.210	3/3/2025	103.83	0.344	0.10	T 0 1/4 08/31/25	3133ELQY3	
FANNIE MAE	0.500	6/17/2025	100.55	0.384	0.12	T 0 1/4 08/31/25	3135G04Z3	
FEDERAL FARM CREDIT BANK	0.375	9/22/2025	100.10	0.354	0.08	T 0 1/4 08/31/25	3133EMAL6	
FEDERAL HOME LOAN BANK	2.375	3/13/2026	110.52	0.434	0.12	T 0 1/4 08/31/25	3130A7BA2	
FEDERAL FARM CREDIT BANK	0.600	8/18/2026	100.50	0.514	0.17	T 0 1/4 08/31/25	3133EL4F8	

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### Indicative Offerings - Mortgage-Backed Securities 9/15/2020

MBS Pools										
Issue	Coupon	WAL	Yield	I Spread	Price	Principal	Type	Current Face	Cusip	
FR RD5035	2.50	2.95	0.58	42	105.42	10/20-06/30	10 Year	6,235,310	3133LPSY4	
FR SB8067	1.50	4.37	0.84	60	102.73	10/20-07/35	15 Year	180,170,423	3132D56C1	
FN MA4095	2.00	3.84	0.79	58	104.43	10/20-06/35	15 Year	162,435,812	31418DRR5	
FR SB8058	2.50	3.78	0.80	59	106.12	10/20-06/35	15 Year	7,941,471	3132D55T5	
FN MA3985	3.00	3.24	1.12	95	105.71	10/20-10/34	15 Year	39,993,129	31418DNB4	
FN MA4093	2.00	4.07	1.11	89	103.39	11/20-06/40	20 Year	15,642,114	31418DRP9	
FN MA4016	2.50	3.76	0.95	75	105.48	11/20-03/40	20 Year	166,169,114	31418DPA4	

CMOs										
Issue	Coupon	WAL	Yield	I Spread	Price	FMED U300 % Change	Principal Window	Type	Current Face	Cusip
FHR 5016 DC	2.00	2.68	0.81	66	103.02	-13.9%	10/20-10/25	SEQ	6,500,000	3137FVUL4
FHR 4431 VA	3.00	2.03	0.50	37	104.92	-6.0%	10/20-05/23	AD,SEQ	1,634,263	3137BFXP1
FHR 4431 VA	3.00	2.03	0.50	37	104.92	-6.0%	10/20-05/23	AD,SEQ	1,634,263	3137BFXP1

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