

**CU Investment Solutions, LLC**

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



## New Issue Offerings 6/12/2019

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 FARM CREDIT BANK	3133EKQY5	2.350	9/17/2021	9/17/2019	100	2.25	3	Anytime	6/17/2019	0.46	2.351	2.350
FEDERAL FARM CREDIT BANK	3133EKQZ2	2.370	12/17/2021	9/17/2019	100	2.50	3	Anytime	6/17/2019	0.48	2.370	2.370
FEDERAL FARM CREDIT BANK	3133EKQR0	2.340	6/13/2022	12/13/2019	100	3.00	6	Anytime	6/13/2019	0.45	2.340	2.340
FEDERAL FARM CREDIT BANK	3133EKRJ7	2.400	6/19/2023	6/19/2020	100	4.00	12	Anytime	6/19/2019	0.52	2.400	2.400
FEDERAL FARM CREDIT BANK	3133EKRL2	2.500	6/19/2023	9/19/2019	100	4.00	3	Anytime	6/19/2019	0.62	2.500	2.500
FREDDIE MAC	3134GTTN3	2.500	6/20/2023	9/20/2019	100	4.00	3	Quarterly	6/20/2019	0.62	2.500	2.500
FEDERAL FARM CREDIT BANK	3133EKQT6	2.490	9/13/2023	9/13/2019	100	4.25	3	Anytime	6/13/2019	0.61	2.490	2.490
FEDERAL FARM CREDIT BANK	3133EKQW9	2.360	6/17/2024	6/17/2020	100	5.01	12	Anytime	6/17/2019	0.48	2.360	2.360
FREDDIE MAC	3134GTTX1	2.250	6/20/2024	12/20/2019	100	5.01	6	Onetime	6/20/2019	0.37	2.250	2.250
FREDDIE MAC	3134GTUD3	2.350	6/25/2024	6/25/2020	100	5.01	12	Annual	6/25/2019	0.47	2.350	2.350
FREDDIE MAC	3134GTTK9	2.375	6/26/2024	6/26/2020	100	5.01	12	Quarterly	6/26/2019	0.49	2.375	2.375
FEDERAL FARM CREDIT BANK	3133EKRM0	2.940	9/18/2026	9/18/2019	100	7.26	3	Anytime	6/18/2019	0.95	2.940	2.940

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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## Indicative Offerings - Mortgage-Backed Securities 6/12/2019

MBS Pools										
Issue	Coupon	WAL	Yield	I Spread	Price	Principal	Type	OAS	Current Face	Cusip
FN MA3221	3.00	3.37	2.23	41	102.30	07/19-06/27	10 Year	10.5	9,119,764	31418CSK1
FN MA3680	3.50	3.72	2.46	63	103.43	07/19-02/29	10 Year	26.8	10,000,000	31418DCS9
FN MA3709	2.50	5.70	2.37	46	100.58	07/19-04/34	15 Year	5.4	42,361,950	31418DDP4
FN MA2775	2.50	4.45	2.31	46	100.67	07/19-04/31	15 Year	16.3	6,269,914	31418CCM4
FN MA3681	3.00	4.92	2.56	69	101.85	07/19-04/34	15 Year	24.3	13,875,720	31418DCT7
FN AL4641	3.00	2.63	2.14	30	102.00	07/19-10/25	15 Year	13.7	7,224,896	3138EMEP2
FN MA3588	3.50	4.36	2.69	84	103.08	07/19-10/33	15 Year	32.3	18,950,796	31418C7A6
FN MA3364	3.50	3.91	2.56	73	103.20	07/19-12/32	15 Year	36.3	95,649,694	31418CW26
FN MA3671	3.00	6.45	2.72	76	101.48	08/19-02/39	20 Year	18.5	34,198,974	31418DCH3
FN MA3602	3.50	4.99	2.76	89	103.15	08/19-10/38	20 Year	28.7	11,787,563	31418DAC6
FN MA3590	4.00	4.59	2.85	100	104.57	08/19-11/38	20 Year	41.9	9,661,036	31418C7C2

CMOs											
Issue	Coupon	WAL	Yield	I Spread	Price	FMED U300 %	Principal	Type	OAS	Current Face	Cusip
GNR 2016-116 CB	2.25	2.29	2.28	41	99.84	-9.6%	07/19-07/24	AD,+	-8.9	12,842,306	38380AKA4
FNR 2014-36 EJ	3.00	3.48	2.27	41	102.25	-10.6%	07/19-04/27	EXCH,+	0.7	3,678,647	3136AKDD2
FNR 2016-103 KA	3.00	3.71	2.33	48	102.19	-11.8%	07/19-12/27	SEQ	2.4	19,434,957	3136AUY47
GNR 2018-153 WJ	3.00	2.25	2.34	46	101.31	-10.8%	07/19-01/24	EXCH,AD+	31.4	9,464,321	38381AZ58
FHR 4753 KB	3.50	2.57	2.33	48	102.79	-10.6%	07/19-04/25	SEQ	5.4	8,896,829	3137FDXC1
FHR 4648 E	3.50	3.64	2.37	52	103.78	-12.3%	07/19-03/28	EXCH,+	-15.3	2,842,521	3137BUJG4
FHR 4787 PA	4.00	2.23	2.39	52	103.34	-8.6%	07/19-01/24	PAC	-14.1	13,629,805	3137F57K9

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## Secondary Offerings 6/12/2019

Callables									
Issuer	Coupon	Maturity	Call Date	Call Type	Price	YTC	YTM	Spread to Interp	
								Treas	Cusip
FREDDIE MAC	1.700	9/29/2020	6/29/2019	Quarterly	99.55	11.927	2.056	0.03	3134GBH21
FEDERAL FARM CREDIT BANK	1.550	5/17/2021	6/19/2019	Anytime	99.16	52.209	1.995	0.09	3133EGA8
FEDERAL FARM CREDIT BANK	1.830	6/15/2022	6/19/2019	Anytime	99.51	33.566	1.998	0.11	3133EGFP5
FEDERAL HOME LOAN BANK	2.000	12/7/2023	9/7/2019	Quarterly	99.39	4.637	2.143	0.26	3130A9ZE4
FEDERAL FARM CREDIT BANK	2.040	7/11/2024	6/19/2019	Anytime	99.31	43.124	2.183	0.30	3133EGKW4

Bullets								
Issuer	Coupon	Maturity	Price	Yield	Spread to Interp			Cusip
					Treas	Benchmark		
FEDERAL FARM CREDIT BANK	2.460	8/5/2020	100.50	2.015	-0.05	T 2 1/8 05/31/21		3133ECW91
FREDDIE MAC	2.000	11/30/2020	100.03	1.980	-0.01	T 2 1/8 05/31/21		3134G3VF4
FEDERAL FARM CREDIT BANK	1.950	3/17/2021	100.03	1.933	-0.01	T 2 1/8 05/31/21		3133EKR3
FEDERAL HOME LOAN BANK	2.250	6/11/2021	100.63	1.925	0.04	T 2 1/8 05/31/21		3130A1W95
FREDDIE MAC	2.070	9/28/2021	100.35	1.913	0.03	T 2 1/8 05/31/21		3134GBAX0
FEDERAL HOME LOAN BANK	2.250	3/11/2022	100.98	1.882	0.00	T 1 3/4 06/15/22		313378CR0
FEDERAL FARM CREDIT BANK	1.875	6/14/2022	99.94	1.897	0.01	T 1 3/4 06/15/22		3133EKRD0
FEDERAL FARM CREDIT BANK	1.875	12/12/2022	99.89	1.907	0.02	T 1 3/4 06/15/22		3133EKQP4
FEDERAL HOME LOAN BANK	2.125	6/9/2023	100.76	1.925	0.04	T 1 3/4 06/15/22		3133834G3
FEDERAL FARM CREDIT BANK	2.125	9/5/2023	100.74	1.941	0.06	T 2 05/31/24		3133EKP5
FEDERAL FARM CREDIT BANK	2.110	11/15/2023	100.71	1.941	0.06	T 2 05/31/24		3133ECLE2
FEDERAL FARM CREDIT BANK	3.500	12/20/2023	106.69	1.946	0.06	T 2 05/31/24		3133EDBU5
FEDERAL HOME LOAN BANK	2.875	6/14/2024	104.36	1.956	0.07	T 2 05/31/24		3130A1XJ2
FEDERAL FARM CREDIT BANK	3.000	11/4/2024	105.24	1.971	0.07	T 2 05/31/24		3133EJNK1

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