

# Rule 2a-7(c)(12) Schedule of Investments

## TIAA-CREF Life Money Market Fund

Fund Information and Unaudited Holdings as of July 31, 2019

Weighted Average Maturity: 37.20 days

Weighted Average Life: 88.75 days

Issuer	Category of Investment	CUSIP	Principal Amount (\$)	Maturity Date	Final Maturity Date	Yield/Coupon Rate (%)	Market Value(\$)
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31315KKU3	825,000	8/23/2019	8/23/2019	2.1310	823,941
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31315KMB3	2,365,000	9/23/2019	9/23/2019	2.1560	2,357,619
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X02H3	500,000	8/1/2019	9/27/2019	2.5400	499,972
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X04L2	500,000	8/1/2019	2/26/2020	2.5100	499,914
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31422BAJ9	500,000	8/1/2019	11/1/2019	2.3790	499,961
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31422BCE8	500,000	8/1/2019	5/19/2020	2.5500	499,881
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31422BEH9	500,000	8/1/2019	7/8/2020	2.4800	500,159
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31422BET3	500,000	8/1/2019	7/6/2020	2.4900	500,207
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31422BFX3	1,000,000	8/1/2019	9/1/2020	2.4800	999,995
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31422BGW4	2,000,000	8/1/2019	12/21/2020	2.4700	1,999,153
Federal Farm Credit Bank	U.S. Government Agency Debt	313312KA7	2,000,000	8/5/2019	8/5/2019	2.1290	1,999,533
Federal Farm Credit Bank	U.S. Government Agency Debt	313312KB5	1,500,000	8/6/2019	8/6/2019	2.1290	1,499,563
Federal Farm Credit Bank	U.S. Government Agency Debt	313312KH2	2,100,000	8/12/2019	8/12/2019	2.1300	2,098,652
Federal Farm Credit Bank	U.S. Government Agency Debt	313312KK5	2,000,000	8/14/2019	8/14/2019	2.1300	1,998,483
Federal Farm Credit Bank	U.S. Government Agency Debt	313312KR0	1,680,000	8/20/2019	8/20/2019	2.1310	1,678,138
Federal Farm Credit Bank	U.S. Government Agency Debt	313312KS8	510,000	8/21/2019	8/21/2019	2.1310	509,405
Federal Farm Credit Bank	U.S. Government Agency Debt	313312KX7	1,100,000	8/26/2019	8/26/2019	2.1320	1,098,396
Federal Farm Credit Bank	U.S. Government Agency Debt	313312LF5	1,500,000	9/3/2019	9/3/2019	2.1530	1,497,085
Federal Farm Credit Bank	U.S. Government Agency Debt	313312LM0	466,000	9/9/2019	9/9/2019	2.1540	464,930
Federal Farm Credit Bank	U.S. Government Agency Debt	313312LU2	1,000,000	9/16/2019	9/16/2019	2.1550	997,291
Federal Farm Credit Bank	U.S. Government Agency Debt	313312MB3	500,000	9/23/2019	9/23/2019	2.1560	498,439
Federal Farm Credit Bank	U.S. Government Agency Debt	313312MN7	2,498,000	10/4/2019	10/4/2019	2.1370	2,488,674
Federal Farm Credit Bank	U.S. Government Agency Debt	313312NF3	750,000	10/21/2019	10/21/2019	2.1390	746,456
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EH3E1	300,000	8/6/2019	10/18/2019	2.1309	299,999
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EH4P5	250,000	8/1/2019	12/26/2019	2.4350	249,942
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHA29	500,000	8/1/2019	9/28/2020	2.4800	499,977
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHE33	300,000	8/1/2019	10/10/2019	2.4200	299,967
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHVD2	250,000	8/1/2019	8/16/2019	2.4200	250,001

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Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHZW6	600,000	8/1/2019	9/25/2019	2.4250	599,950
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJ4M8	1,000,000	8/7/2019	1/7/2020	2.3341	999,868
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJE96	1,000,000	8/1/2019	7/9/2020	2.5400	1,000,725
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJMF3	300,000	8/6/2019	1/27/2020	2.1359	299,844
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJQM4	300,000	8/1/2019	5/29/2020	2.6300	300,439
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJXA2	500,000	8/1/2019	2/20/2020	2.5200	500,015
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJXB0	500,000	8/6/2019	8/17/2020	2.1259	499,803
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EKDP8	500,000	8/6/2019	1/19/2021	2.2409	500,168
Federal Home Loan Bank	U.S. Government Agency Debt	3130AFK22	500,000	8/1/2019	9/10/2019	2.4500	500,000
Federal Home Loan Bank	U.S. Government Agency Debt	3130AGN35	2,500,000	8/1/2019	6/19/2020	2.4250	2,499,700
Federal Home Loan Bank	U.S. Government Agency Debt	313384KC2	220,000	8/7/2019	8/7/2019	2.1290	219,923
Federal Home Loan Bank	U.S. Government Agency Debt	313384KE8	750,000	8/9/2019	8/9/2019	2.1300	749,650
Federal Home Loan Bank	U.S. Government Agency Debt	313384KK4	2,000,000	8/14/2019	8/14/2019	2.1300	1,998,483
Federal Home Loan Bank	U.S. Government Agency Debt	313384KL2	2,950,000	8/15/2019	8/15/2019	2.1300	2,947,591
Federal Home Loan Bank	U.S. Government Agency Debt	313384KM0	2,480,000	8/16/2019	8/16/2019	2.1310	2,477,830
Federal Home Loan Bank	U.S. Government Agency Debt	313384KR9	598,000	8/20/2019	8/20/2019	2.1310	597,337
Federal Home Loan Bank	U.S. Government Agency Debt	313384KS7	1,000,000	8/21/2019	8/21/2019	2.1310	998,833
Federal Home Loan Bank	U.S. Government Agency Debt	313384KU2	1,404,000	8/23/2019	8/23/2019	2.1310	1,402,198
Federal Home Loan Bank	U.S. Government Agency Debt	313384LB3	2,159,000	8/30/2019	8/30/2019	2.1320	2,155,348
Federal Home Loan Bank	U.S. Government Agency Debt	313384LG2	2,300,000	9/4/2019	9/4/2019	2.1530	2,295,395
Federal Home Loan Bank	U.S. Government Agency Debt	313384LP2	1,360,000	9/11/2019	9/11/2019	2.1540	1,356,716
Federal Home Loan Bank	U.S. Government Agency Debt	313384LR8	6,000,000	9/13/2019	9/13/2019	2.1540	5,984,807
Federal Home Loan Bank	U.S. Government Agency Debt	313384LW7	1,500,000	9/18/2019	9/18/2019	2.1550	1,495,760
Federal Home Loan Bank	U.S. Government Agency Debt	313384LY3	1,000,000	9/20/2019	9/20/2019	2.1550	997,056
Federal Home Loan Bank	U.S. Government Agency Debt	313384MB2	520,000	9/23/2019	9/23/2019	2.1560	518,377
Federal Home Loan Bank	U.S. Government Agency Debt	313384MD8	5,199,000	9/25/2019	9/25/2019	2.1560	5,182,161
Federal Home Loan Bank	U.S. Government Agency Debt	313384MJ5	2,000,000	9/30/2019	9/30/2019	2.1570	1,992,933
Federal Home Loan Bank	U.S. Government Agency Debt	313384ML0	953,000	10/2/2019	10/2/2019	2.1360	949,553
Federal Home Loan Bank	U.S. Government Agency Debt	313384MT3	1,400,000	10/9/2019	10/9/2019	2.1370	1,394,365
Federal Home Loan Bank	U.S. Government Agency Debt	313384MU0	500,000	10/10/2019	10/10/2019	2.1370	497,958
Federal Home Loan Bank	U.S. Government Agency Debt	313384MV8	830,000	10/11/2019	10/11/2019	2.1380	826,562
Federal Home Loan Bank	U.S. Government Agency Debt	313384NA3	1,700,000	10/16/2019	10/16/2019	2.1380	1,692,463
Federal Home Loan Bank	U.S. Government Agency Debt	313384NK1	2,250,000	10/25/2019	10/25/2019	2.1390	2,238,844
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396MC4	1,225,000	9/24/2019	9/24/2019	2.1560	1,221,105

Issuer	Category of Investment	CUSIP	Principal Amount (\$)	Maturity Date	Final Maturity Date	Yield/Coupon Rate (%)	Market Value(\$)
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396MM2	920,000	10/3/2019	10/3/2019	2.1370	916,619
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396MN0	500,000	10/4/2019	10/4/2019	2.1370	498,133
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396MR1	535,000	10/7/2019	10/7/2019	2.1370	532,909
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396NB5	1,085,000	10/17/2019	10/17/2019	2.1380	1,080,127
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396NC3	500,000	10/18/2019	10/18/2019	2.1380	497,725
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396NP4	430,000	10/29/2019	10/29/2019	2.1400	427,768
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396NV1	780,000	11/4/2019	11/4/2019	2.1200	775,719
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	3134GSDS1	750,000	8/8/2019	8/8/2019	2.2641	749,997
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588KC8	1,000,000	8/7/2019	8/7/2019	2.1290	999,650
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588LW3	800,000	9/18/2019	9/18/2019	2.1550	797,739
Federal National Mortgage Assoc.	U.S. Government Agency Debt	3135G0U68	500,000	8/1/2019	10/30/2019	2.4600	500,086
Federal National Mortgage Assoc.	U.S. Government Agency Debt	3135G0V26	500,000	8/1/2019	7/30/2020	2.4500	500,155
Federal National Mortgage Assoc.	U.S. Government Agency Debt	3135G0V67	500,000	8/1/2019	10/30/2020	2.4650	500,190
U.S. Treasury Bill	U.S. Treasury Debt	912796RF8	3,285,000	10/10/2019	10/10/2019	2.0820	3,271,931
U.S. Treasury Bill	U.S. Treasury Debt	912796RN1	1,000,000	12/5/2019	12/5/2019	2.0700	992,903
U.S. Treasury Bill	U.S. Treasury Debt	912796SB6	1,000,000	8/1/2019	8/1/2019	0.0100	1,000,000
U.S. Treasury Bill	U.S. Treasury Debt	912796SP5	2,500,000	10/24/2019	10/24/2019	2.0630	2,488,182
U.S. Treasury Bill	U.S. Treasury Debt	912796VP1	1,255,000	8/6/2019	8/6/2019	2.0310	1,254,651
U.S. Treasury Bill	U.S. Treasury Debt	912796VS5	2,600,000	8/27/2019	8/27/2019	1.9910	2,596,316
U.S. Treasury Bill	U.S. Treasury Debt	912796VV8	1,115,000	9/17/2019	9/17/2019	2.0450	1,112,070
U.S. Treasury Note	U.S. Treasury Debt	9128283B4	500,000	8/1/2019	10/31/2019	2.0986	499,916
U.S. Treasury Note	U.S. Treasury Debt	9128284K3	1,500,000	8/1/2019	4/30/2020	2.0836	1,498,724
U.S. Treasury Note	U.S. Treasury Debt	912828T59	300,000	10/15/2019	10/15/2019	1.0000	299,320
U.S. Treasury Note	U.S. Treasury Debt	912828U32	1,563,000	11/15/2019	11/15/2019	1.0000	1,558,055