

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

## TIAA-CREF Life Money Market Fund

Fund Information and Unaudited Holdings as of November 30, 2018

Weighted Average Maturity: 44.37 days

Weighted Average Life: 83.26 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	31315KAB6	910,000	1/2/2019	1/2/2019	2.4000	908,210
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31315KAD2	510,000	1/4/2019	1/4/2019	2.4000	508,930
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31315KBA7	695,000	1/25/2019	1/25/2019	2.4000	692,586
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	31315KBT6	500,000	2/11/2019	2/11/2019	2.4300	497,677
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X02H3	500,000	12/3/2018	9/27/2019	2.3500	499,877
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X02S9	500,000	12/1/2018	3/1/2019	2.1944	499,947
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X04L2	500,000	12/3/2018	2/26/2020	2.3200	499,817
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X07H8	500,000	2/20/2019	5/20/2019	2.4345	499,929
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X0V73	500,000	12/3/2018	12/28/2018	2.3200	499,986
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X0VQ1	300,000	12/4/2018	2/4/2019	2.2386	299,997
Federal Agricultural Mortgage Corp.	U.S. Government Agency Debt	3132X0YG0	500,000	12/3/2018	4/1/2019	2.2100	499,744
Federal Farm Credit Bank	U.S. Government Agency Debt	313312AB6	100,000	1/2/2019	1/2/2019	2.4000	99,803
Federal Farm Credit Bank	U.S. Government Agency Debt	313312AL4	720,000	1/11/2019	1/11/2019	2.4000	718,159
Federal Farm Credit Bank	U.S. Government Agency Debt	313312AR1	750,000	1/16/2019	1/16/2019	2.4000	747,837
Federal Farm Credit Bank	U.S. Government Agency Debt	313312BE9	1,000,000	1/29/2019	1/29/2019	2.4000	996,263
Federal Farm Credit Bank	U.S. Government Agency Debt	313312BM1	1,000,000	2/5/2019	2/5/2019	2.4300	995,751
Federal Farm Credit Bank	U.S. Government Agency Debt	313312BN9	675,000	2/6/2019	2/6/2019	2.4300	672,087
Federal Farm Credit Bank	U.S. Government Agency Debt	313312BT6	100,000	2/11/2019	2/11/2019	2.4300	99,535
Federal Farm Credit Bank	U.S. Government Agency Debt	313312CB4	1,000,000	2/19/2019	2/19/2019	2.4400	994,822
Federal Farm Credit Bank	U.S. Government Agency Debt	313312CK4	225,000	2/27/2019	2/27/2019	2.4400	223,715
Federal Farm Credit Bank	U.S. Government Agency Debt	313312DE7	500,000	3/18/2019	3/18/2019	2.4800	496,456
Federal Farm Credit Bank	U.S. Government Agency Debt	313312DF4	300,000	3/19/2019	3/19/2019	2.4800	297,854
Federal Farm Credit Bank	U.S. Government Agency Debt	313312DG2	250,000	3/20/2019	3/20/2019	2.4800	248,194
Federal Farm Credit Bank	U.S. Government Agency Debt	313312DH0	200,000	3/21/2019	3/21/2019	2.4800	198,542
Federal Farm Credit Bank	U.S. Government Agency Debt	313312DJ6	200,000	3/22/2019	3/22/2019	2.4800	198,528
Federal Farm Credit Bank	U.S. Government Agency Debt	313312DY3	500,000	4/5/2019	4/5/2019	2.5200	495,798
Federal Farm Credit Bank	U.S. Government Agency Debt	313312EM8	500,000	4/18/2019	4/18/2019	2.5200	495,354
Federal Farm Credit Bank	U.S. Government Agency Debt	313312EV8	500,000	4/26/2019	4/26/2019	2.5200	495,080

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Federal Farm Credit Bank	U.S. Government Agency Debt	313312FB1	400,000	5/2/2019	5/2/2019	2.5600	395,833
Federal Farm Credit Bank	U.S. Government Agency Debt	313312FY1	200,000	5/23/2019	5/23/2019	2.5700	197,625
Federal Farm Credit Bank	U.S. Government Agency Debt	313313R83	1,000,000	12/4/2018	12/4/2018	2.3000	999,937
Federal Farm Credit Bank	U.S. Government Agency Debt	313313S66	1,530,000	12/10/2018	12/10/2018	2.3000	1,529,325
Federal Farm Credit Bank	U.S. Government Agency Debt	313313S74	1,120,000	12/11/2018	12/11/2018	2.3000	1,119,436
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EH3E1	300,000	12/4/2018	10/18/2019	2.4343	299,998
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EH4P5	250,000	12/3/2018	12/26/2019	2.1850	249,524
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHBX0	500,000	12/3/2018	1/14/2019	2.2300	500,042
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHDN0	500,000	12/3/2018	3/27/2019	2.2300	500,007
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHE33	300,000	12/3/2018	10/10/2019	2.1700	299,717
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHND1	500,000	12/3/2018	4/15/2019	2.2000	499,913
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHPC1	500,000	12/25/2018	1/25/2019	2.2049	499,996
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHPR8	250,000	12/3/2018	6/27/2019	2.1700	249,868
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHQ55	500,000	12/7/2018	6/7/2019	2.1910	499,908
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHRF2	500,000	1/15/2019	1/15/2019	2.2763	500,061
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHVD2	250,000	12/3/2018	8/16/2019	2.1700	249,797
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EHZW6	600,000	12/3/2018	9/25/2019	2.1750	599,506
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJBJ7	500,000	12/29/2018	3/29/2019	2.2043	499,924
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJE96	1,000,000	12/3/2018	7/9/2020	2.2900	999,321
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJMF3	300,000	12/4/2018	1/27/2020	2.4393	300,119
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJQM4	300,000	12/3/2018	5/29/2020	2.3800	300,209
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJXA2	500,000	12/3/2018	2/20/2020	2.2700	499,817
Federal Farm Credit Bank	U.S. Government Agency Debt	3133EJXB0	500,000	12/4/2018	8/17/2020	2.4293	499,618
Federal Home Loan Bank	U.S. Government Agency Debt	3130AANZ7	500,000	1/18/2019	1/18/2019	2.2450	499,994
Federal Home Loan Bank	U.S. Government Agency Debt	3130AAUU0	500,000	12/22/2018	2/22/2019	2.2660	500,063
Federal Home Loan Bank	U.S. Government Agency Debt	3130AAWH7	400,000	12/6/2018	3/6/2019	2.0880	399,956
Federal Home Loan Bank	U.S. Government Agency Debt	3130ABSB3	500,000	12/12/2018	7/12/2019	2.2480	500,028
Federal Home Loan Bank	U.S. Government Agency Debt	3130AFFV4	1,000,000	12/1/2018	5/15/2019	2.2800	999,636
Federal Home Loan Bank	U.S. Government Agency Debt	313384AB5	148,000	1/2/2019	1/2/2019	2.4000	147,709
Federal Home Loan Bank	U.S. Government Agency Debt	313384AD1	100,000	1/4/2019	1/4/2019	2.4000	99,790
Federal Home Loan Bank	U.S. Government Agency Debt	313384AJ8	300,000	1/9/2019	1/9/2019	2.4000	299,272
Federal Home Loan Bank	U.S. Government Agency Debt	313384AQ2	200,000	1/15/2019	1/15/2019	2.4000	199,436
Federal Home Loan Bank	U.S. Government Agency Debt	313384AR0	500,000	1/16/2019	1/16/2019	2.4000	498,558
Federal Home Loan Bank	U.S. Government Agency Debt	313384BA6	500,000	1/25/2019	1/25/2019	2.4000	498,263

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Federal Home Loan Bank	U.S. Government Agency Debt	313384BD0	1,250,000	1/28/2019	1/28/2019	2.4000	1,245,411
Federal Home Loan Bank	U.S. Government Agency Debt	313384BE8	500,000	1/29/2019	1/29/2019	2.4000	498,132
Federal Home Loan Bank	U.S. Government Agency Debt	313384BF5	1,500,000	1/30/2019	1/30/2019	2.4000	1,494,297
Federal Home Loan Bank	U.S. Government Agency Debt	313384BG3	800,000	1/31/2019	1/31/2019	2.4000	796,906
Federal Home Loan Bank	U.S. Government Agency Debt	313384BH1	500,000	2/1/2019	2/1/2019	2.4300	498,009
Federal Home Loan Bank	U.S. Government Agency Debt	313384BN8	500,000	2/6/2019	2/6/2019	2.4300	497,843
Federal Home Loan Bank	U.S. Government Agency Debt	313384BT5	860,000	2/11/2019	2/11/2019	2.4300	856,004
Federal Home Loan Bank	U.S. Government Agency Debt	313384BU2	1,000,000	2/12/2019	2/12/2019	2.4300	995,286
Federal Home Loan Bank	U.S. Government Agency Debt	313384BW8	200,000	2/14/2019	2/14/2019	2.4300	199,031
Federal Home Loan Bank	U.S. Government Agency Debt	313384CB3	500,000	2/19/2019	2/19/2019	2.4400	497,411
Federal Home Loan Bank	U.S. Government Agency Debt	313384CC1	1,525,000	2/20/2019	2/20/2019	2.4400	1,517,001
Federal Home Loan Bank	U.S. Government Agency Debt	313384CE7	570,000	2/22/2019	2/22/2019	2.4400	566,935
Federal Home Loan Bank	U.S. Government Agency Debt	313384CK3	500,000	2/27/2019	2/27/2019	2.4400	497,146
Federal Home Loan Bank	U.S. Government Agency Debt	313384CR8	134,000	3/5/2019	3/5/2019	2.4800	133,168
Federal Home Loan Bank	U.S. Government Agency Debt	313384CU1	500,000	3/8/2019	3/8/2019	2.4800	496,794
Federal Home Loan Bank	U.S. Government Agency Debt	313384DQ9	800,000	3/28/2019	3/28/2019	2.4800	793,790
Federal Home Loan Bank	U.S. Government Agency Debt	313384DV8	500,000	4/2/2019	4/2/2019	2.5100	495,900
Federal Home Loan Bank	U.S. Government Agency Debt	313385R73	1,000,000	12/3/2018	12/3/2018	0.0100	1,000,000
Federal Home Loan Bank	U.S. Government Agency Debt	313385S31	1,000,000	12/7/2018	12/7/2018	2.3000	999,748
Federal Home Loan Bank	U.S. Government Agency Debt	313385S80	1,500,000	12/12/2018	12/12/2018	2.3000	1,499,148
Federal Home Loan Bank	U.S. Government Agency Debt	313385T22	1,600,000	12/14/2018	12/14/2018	2.3000	1,598,890
Federal Home Loan Bank	U.S. Government Agency Debt	313385T55	1,000,000	12/17/2018	12/17/2018	2.3000	999,117
Federal Home Loan Bank	U.S. Government Agency Debt	313385T63	555,000	12/18/2018	12/18/2018	2.3000	554,475
Federal Home Loan Bank	U.S. Government Agency Debt	313385T97	715,000	12/21/2018	12/21/2018	2.3000	714,188
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396AD5	1,155,000	1/4/2019	1/4/2019	2.4000	1,152,577
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396AG8	1,000,000	1/7/2019	1/7/2019	2.4000	997,706
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396AH6	1,500,000	1/8/2019	1/8/2019	2.4000	1,496,460
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396AJ2	1,105,000	1/9/2019	1/9/2019	2.4000	1,102,319
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396AT0	1,000,000	1/18/2019	1/18/2019	2.4000	996,984
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396AX1	345,000	1/22/2019	1/22/2019	2.4000	343,869
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396AY9	1,049,000	1/23/2019	1/23/2019	2.4000	1,045,493
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396BQ5	500,000	2/8/2019	2/8/2019	2.4300	497,776
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396BV4	1,000,000	2/13/2019	2/13/2019	2.4300	995,220
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396CH4	1,210,000	2/25/2019	2/25/2019	2.4400	1,203,252

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Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396CJ0	435,000	2/26/2019	2/26/2019	2.4400	432,545
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313396EL3	328,000	4/17/2019	4/17/2019	2.5200	324,974
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313397T76	1,273,000	12/19/2018	12/19/2018	2.3000	1,271,716
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	313397U66	1,000,000	12/26/2018	12/26/2018	2.3000	998,550
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	3134GBYH9	230,000	1/5/2019	7/5/2019	2.2433	230,001
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	3134GSDS1	750,000	12/8/2018	8/8/2019	2.2169	749,753
Federal Home Loan Mortgage Corp.	U.S. Government Agency Debt	3134GSE68	500,000	12/1/2018	5/8/2019	2.2650	499,889
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588AD7	132,000	1/4/2019	1/4/2019	2.4000	131,723
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588AL9	965,000	1/11/2019	1/11/2019	2.4000	962,533
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588AP0	985,000	1/14/2019	1/14/2019	2.4000	982,288
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588BL8	255,000	2/4/2019	2/4/2019	2.4300	253,933
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588BN4	500,000	2/6/2019	2/6/2019	2.4300	497,843
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588BP9	1,000,000	2/7/2019	2/7/2019	2.4300	995,618
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588BU8	500,000	2/12/2019	2/12/2019	2.4300	497,643
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588BV6	500,000	2/13/2019	2/13/2019	2.4300	497,610
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588BX2	318,000	2/15/2019	2/15/2019	2.4400	316,438
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313588CK9	500,000	2/27/2019	2/27/2019	2.4400	497,146
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313589R70	500,000	12/3/2018	12/3/2018	0.0100	500,000
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313589R96	1,747,000	12/5/2018	12/5/2018	2.3000	1,746,780
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313589T60	238,000	12/18/2018	12/18/2018	2.3000	237,775
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313589T78	500,000	12/19/2018	12/19/2018	2.3000	499,496
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313589T94	500,000	12/21/2018	12/21/2018	2.3000	499,433
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313589U43	1,500,000	12/24/2018	12/24/2018	2.3000	1,498,014
Federal National Mortgage Assoc.	U.S. Government Agency Debt	313589U84	415,000	12/28/2018	12/28/2018	2.3100	414,346
Federal National Mortgage Assoc.	U.S. Government Agency Debt	3135G0U68	500,000	12/1/2018	10/30/2019	2.3100	499,751
Tennessee Valley Authority	U.S. Government Agency Debt	880590S70	368,000	12/11/2018	12/11/2018	2.3000	367,815
U.S. Treasury Bill	U.S. Treasury Debt	912796PE3	1,680,000	12/6/2018	12/6/2018	2.1430	1,679,704
U.S. Treasury Bill	U.S. Treasury Debt	912796PK9	1,698,000	1/3/2019	1/3/2019	2.2720	1,694,728
U.S. Treasury Bill	U.S. Treasury Debt	912796PP8	120,000	1/31/2019	1/31/2019	2.3330	119,549
U.S. Treasury Bill	U.S. Treasury Debt	912796QN2	1,482,000	12/13/2018	12/13/2018	2.1830	1,481,114
U.S. Treasury Bill	U.S. Treasury Debt	912796QP7	1,240,000	12/20/2018	12/20/2018	2.1830	1,238,740
U.S. Treasury Bill	U.S. Treasury Debt	912796QQ5	1,105,000	12/27/2018	12/27/2018	2.2400	1,103,375
U.S. Treasury Bill	U.S. Treasury Debt	912796QS1	1,483,000	1/10/2019	1/10/2019	2.2710	1,479,501
U.S. Treasury Bill	U.S. Treasury Debt	912796QT9	1,500,000	1/17/2019	1/17/2019	2.3150	1,495,730
U.S. Treasury Bill	U.S. Treasury Debt	912796QU6	1,490,000	1/24/2019	1/24/2019	2.3110	1,485,109
U.S. Treasury Bill	U.S. Treasury Debt	912796QW2	500,000	2/7/2019	2/7/2019	2.3410	497,892
U.S. Treasury Bill	U.S. Treasury Debt	912796QX0	1,500,000	2/14/2019	2/14/2019	2.3600	1,492,951
U.S. Treasury Bill	U.S. Treasury Debt	912796QY8	1,485,000	2/21/2019	2/21/2019	2.3650	1,477,340
U.S. Treasury Bill	U.S. Treasury Debt	912796QZ5	870,000	3/7/2019	3/7/2019	2.3990	864,656
U.S. Treasury Bill	U.S. Treasury Debt	912796RC5	500,000	3/21/2019	3/21/2019	2.3890	496,490

<b>Issuer</b>	<b>Category of Investment</b>	<b>CUSIP</b>	<b>Principal Amount (\$)</b>	<b>Maturity Date</b>	<b>Final Maturity Date</b>	<b>Yield/Coupon Rate (%)</b>	<b>Market Value(\$)</b>
U.S. Treasury Bill	U.S. Treasury Debt	912796RG6	205,000	4/11/2019	4/11/2019	2.4770	203,220
U.S. Treasury Bill	U.S. Treasury Debt	912796UD9	722,000	12/11/2018	12/11/2018	2.1750	721,656
U.S. Treasury Bill	U.S. Treasury Debt	912796UE7	500,000	12/18/2018	12/18/2018	2.2030	499,548
U.S. Treasury Note	U.S. Treasury Debt	912796PT0	500,000	2/28/2019	2/28/2019	2.3560	497,207
U.S. Treasury Note	U.S. Treasury Debt	9128284K3	500,000	12/4/2018	4/30/2020	2.4173	500,187
U.S. Treasury Note	U.S. Treasury Debt	912828A75	1,000,000	12/31/2018	12/31/2018	1.5000	999,435
U.S. Treasury Note	U.S. Treasury Debt	912828C24	500,000	2/28/2019	2/28/2019	1.5000	498,914
U.S. Treasury Note	U.S. Treasury Debt	912828N63	1,320,000	1/15/2019	1/15/2019	1.1250	1,318,239
U.S. Treasury Note	U.S. Treasury Debt	912828P53	500,000	2/15/2019	2/15/2019	0.7500	498,374
U.S. Treasury Note	U.S. Treasury Debt	912828P95	400,000	3/15/2019	3/15/2019	1.0000	398,404
U.S. Treasury Note	U.S. Treasury Debt	912828SD3	500,000	1/31/2019	1/31/2019	1.2500	499,138