

Division of Investment Management Analytics Office

Money Market Fund Statistics

Form N-MFP Data, period ending October 31, 2019

This is a report of the Staff of the Division of Investment Management's Analytics Office of the U.S. Securities and Exchange Commission. The Commission has expressed no view regarding the analysis, findings, or conclusions contained herein.

Information presented in this report reflects staff's compilation and analysis of data reported to the Commission on Form N-MFP for the reference period. The presented information does not reflect any filings or amended filings submitted after the data cut-off date of this report. Staff works with information reported on Form N-MFP and with filers to correct possible reporting errors and may update reported information to correct what appear to be clear filer errors. Corrected data from amended filings may be published in a corrected report or in the next regular report as determined by staff.

If you have any questions or comments about this report, please contact Sharon Pichler or Isaac Kuznits, Analytics Office, Division of Investment Management, at Form-NMFP@sec.gov, with the subject line "Money Market Fund Statistics."

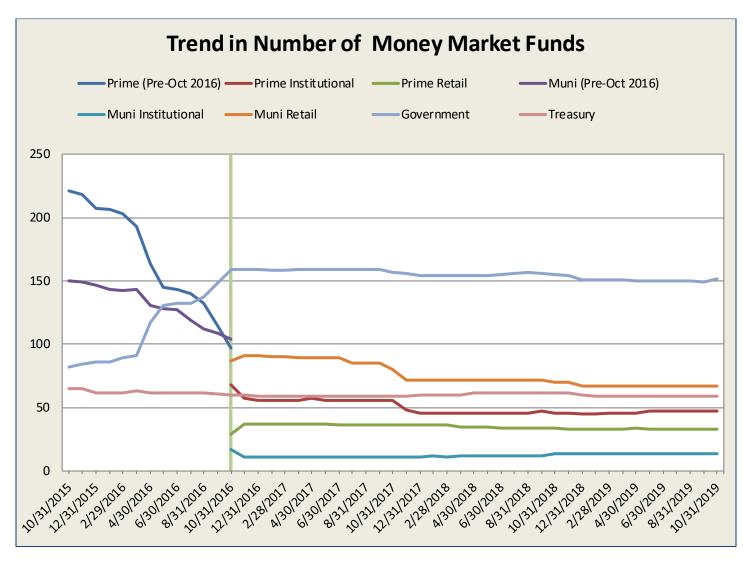
Monthly Change in Key Statistics and Table of Contents*

| TOPIC | | 10/31/2019 | Change | 9/30/2019 | Page |
|-----------------------------|--|------------|-----------|-----------|------|
| Number of Money Market Fund | s Reporting (Not Including Feeder Funds) | | | | 4 |
| | Prime | | | | |
| | Institutional | 47 | - | 47 | |
| | Retail | 33 | - | 33 | |
| | Tax Exempt | | | | |
| | Institutional | 14 | - | 14 | |
| | Retail | 67 | - | 67 | |
| | Government & Treasury Funds | | | | |
| | Government | 152 | 3 | 149 | |
| | Treasury | 59 | - | 59 | |
| Assets (in billions) | Prime Funds | | | | 5 |
| | Institutional | \$656.0 | \$24.7 | \$631.3 | |
| | Retail | \$445.5 | \$13.7 | \$431.8 | |
| | Tax Exempt Funds | | | | |
| | Institutional | \$15.4 | \$0.7 | \$14.7 | |
| | Retail | \$127.2 | \$2.9 | \$124.3 | |
| | Government & Treasury Funds | | | | |
| | Government | \$1,858.5 | \$40.1 | \$1,818.4 | |
| | Treasury | \$835.5 | \$6.5 | \$829.0 | |
| 7-Day Yields Gross | Prime Funds | | | | 6 |
| | Institutional | 1.99% | -0.13% | 2.13% | |
| | Retail | 2.06% | -0.12% | 2.18% | |
| | Tax Exempt Funds | | | | |
| | Institutional | 1.22% | -0.36% | 1.58% | |
| | Retail | 1.26% | -0.30% | 1.56% | |
| | Government & Treasury Funds | | | | |
| | Government | 1.89% | -0.14% | 2.03% | |
| | Treasury | 1.86% | -0.17% | 2.03% | |
| 7-Day Yields Net | Prime Funds | | | | 7 |
| | Institutional | 1.90% | -0.15% | 2.05% | |
| | Retail | 1.80% | -0.12% | 1.92% | |
| | Tax Exempt Funds | | | | |
| | Institutional | 1.10% | -0.36% | 1.45% | |
| | Retail | 0.98% | -0.31% | 1.28% | |
| | Government & Treasury Funds | | | | |
| | Government | 1.62% | -0.13% | 1.76% | |
| | Treasury | 1.64% | -0.17% | 1.80% | |
| Weighted Average Life (WAL) | Prime Funds | | | | 8 |
| | Institutional | 65.7 days | 3.6 days | 62.1 days | |
| | Retail | 76.7 days | 3.9 days | 72.8 days | |
| | Tax Exempt Funds | | | | |
| | Institutional | 19.5 days | 3.3 days | 16.2 days | |
| | Retail | 41.7 days | 3.3 days | 38.5 days | |
| | Government & Treasury Funds | | | | |
| | Government | 97.7 days | -0.4 days | 98.1 days | |
| | Treasury | 98.7 days | 3.5 days | 95.2 days | |

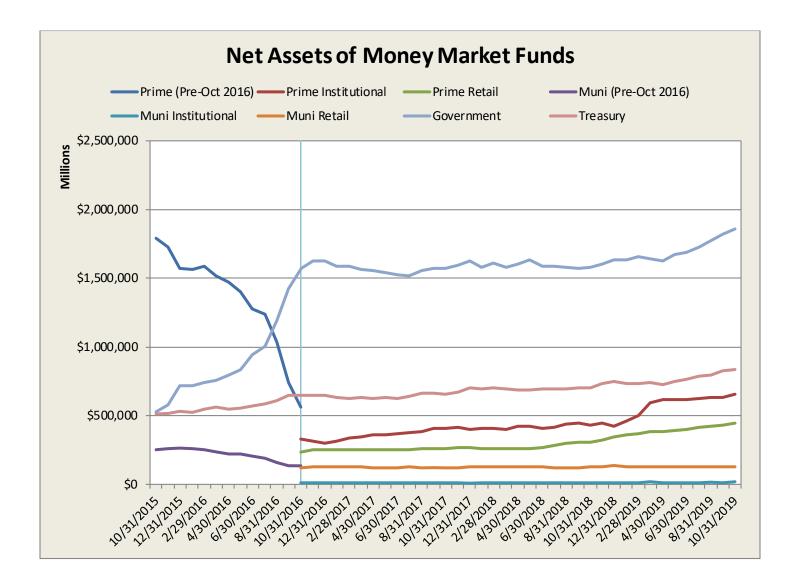
Monthly Change in Key Statistics and Table of Contents (continued)

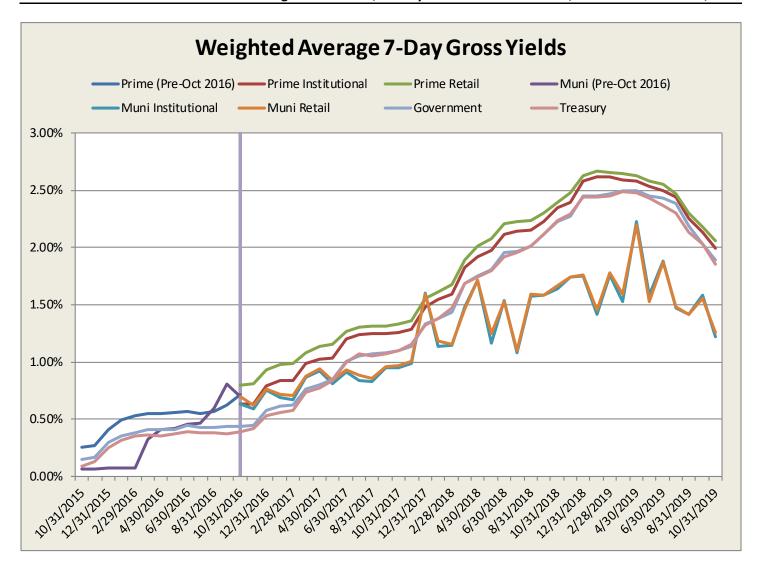
| TOPIC | | 10/31/2019 | Change | 9/30/2019 | Page |
|------------------------------------|-----------------------------|------------|----------|-----------|------|
| Weighted Average Maturity (WAM) | Prime Funds | | | | 9 |
| | Institutional | 34.1 days | 3.2 days | 31.0 days | |
| | Retail | 43.5 days | 2.8 days | 40.7 days | |
| | Tax Exempt Funds | | | | |
| | Institutional | 19.1 days | 3.1 days | 15.9 days | |
| | Retail | 39.2 days | 3.3 days | 35.9 days | |
| | Government & Treasury Funds | | | | |
| | Government | 31.8 days | 2.0 days | 29.8 days | |
| | Treasury | 40.9 days | 4.1 days | 36.9 days | |
| Daily Liquidity | Prime Funds | | | | 10 |
| | Institutional | 37.7% | 0.1% | 37.6% | |
| | Retail | 25.1% | -0.3% | 25.5% | |
| | Government & Treasury Funds | | | | |
| | Government | 47.0% | 0.4% | 46.6% | |
| | Treasury | 91.9% | 0.6% | 91.3% | |
| Weekly Liquidity | Prime Funds | | | | 11 |
| | Institutional | 52.5% | -1.3% | 53.8% | |
| | Retail | 39.2% | -2.7% | 41.9% | |
| | Tax Exempt Funds | | | | |
| | Institutional | 87.5% | 2.7% | 84.8% | |
| | Retail | 73.2% | -1.1% | 74.3% | |
| | Government & Treasury Funds | | | | |
| | Government | 70.5% | -1.5% | 71.9% | |
| | Treasury | 98.6% | 0.5% | 98.2% | |
| Prime Funds' Bank Holdings | By Country | | | | 12 |
| | By Geographic Region | | | | 13 |
| Prime Funds' Portfolio Composition | | | | | 14 |
| Gov't and Treasury Funds Bank Repo | By Country | | | | 15 |
| All Funds Fed Repo (in billions) | | \$2.8 | -\$4.2 | \$7.1 | 16 |
| Securities > 179 Days to Maturity | Prime Funds | | | | 17 |
| | Institutional | 11.0% | 1.5% | 9.5% | |
| | Retail | 11.3% | 2.1% | 9.2% | |
| | Tax Exempt Funds | | | | |
| | Institutional | 3.4% | 1.2% | 2.2% | |
| | Retail | 10.0% | 1.3% | 8.7% | |
| | Government & Treasury Funds | | | | |
| | | | | | |
| | Government | 18.8% | 1.1% | 17.7% | |

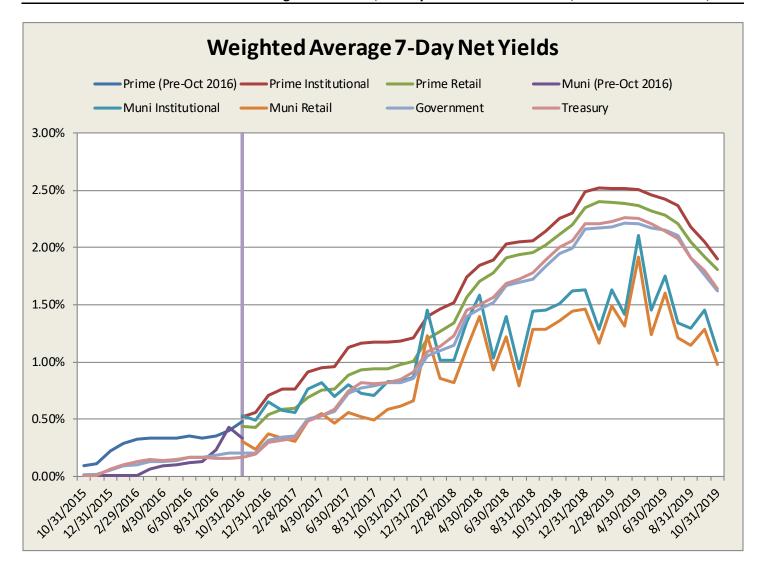
^{*}Some calculations in the change column in the above Table of Contents and in other tables in this report may not total as expected due to rounding. Terms used in this report are defined in Appendix 2, Key Definitions.

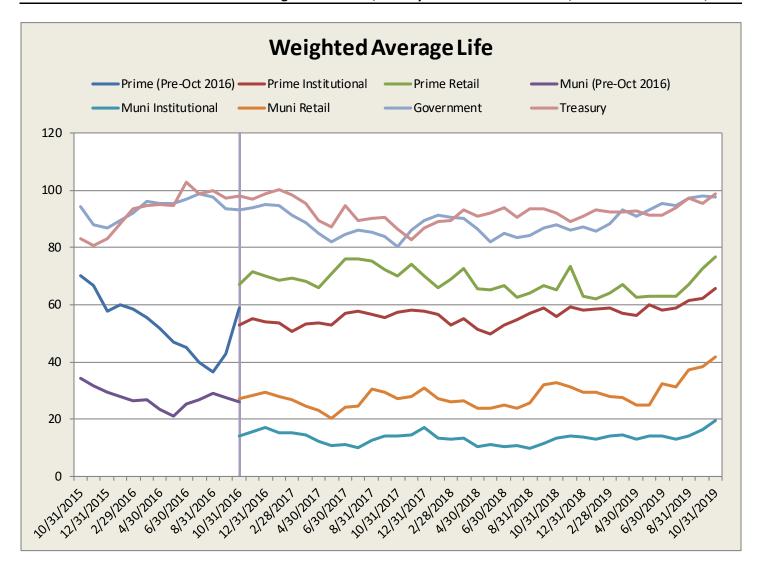


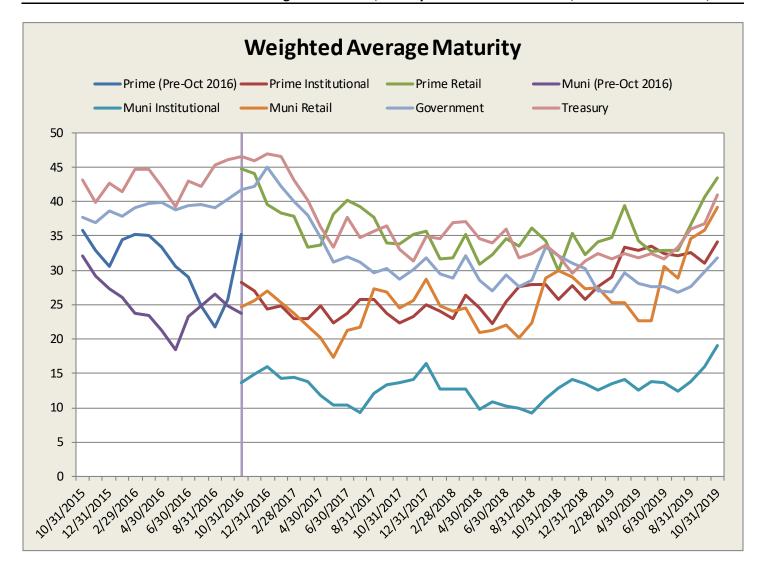
^{*} Note: Beginning in October 2016, Form N-MFP required prime and tax-exempt money market funds to identify themselves as institutional or retail funds; up to that date, Funds reported without making this distinction. Government and Treasury funds are not required to distinguish between retail and institutional. See Appendix 2, Key Definitions.

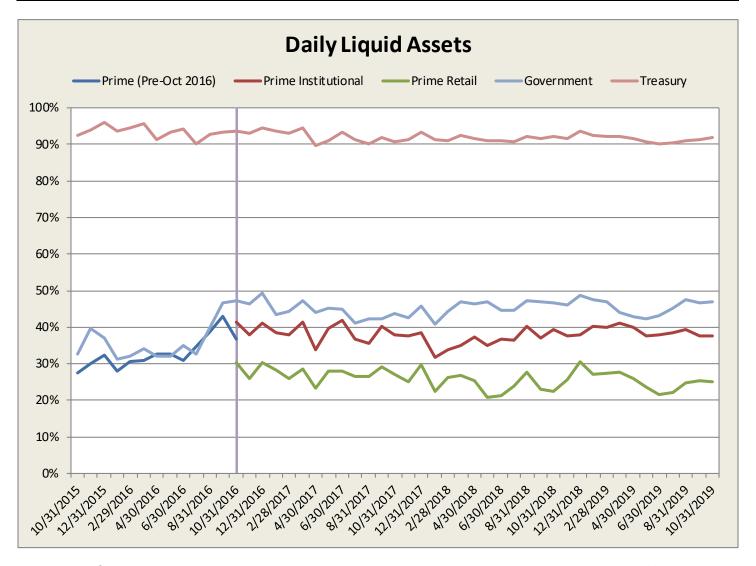




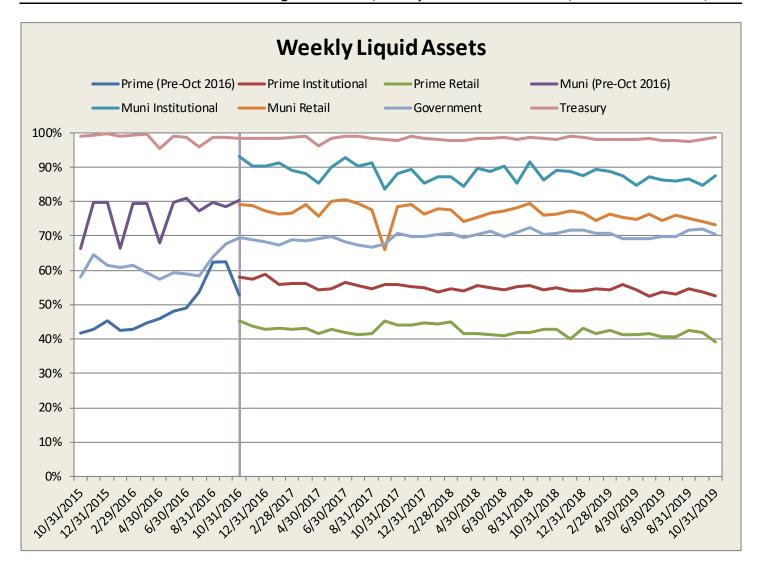


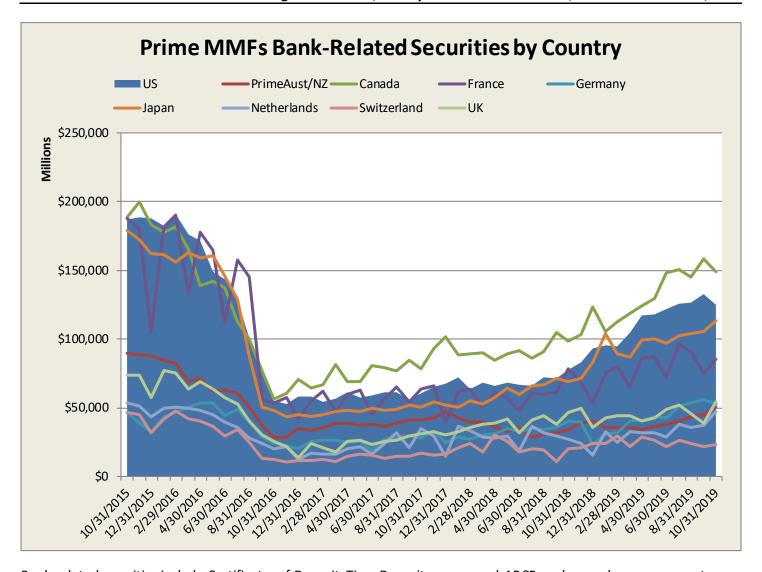




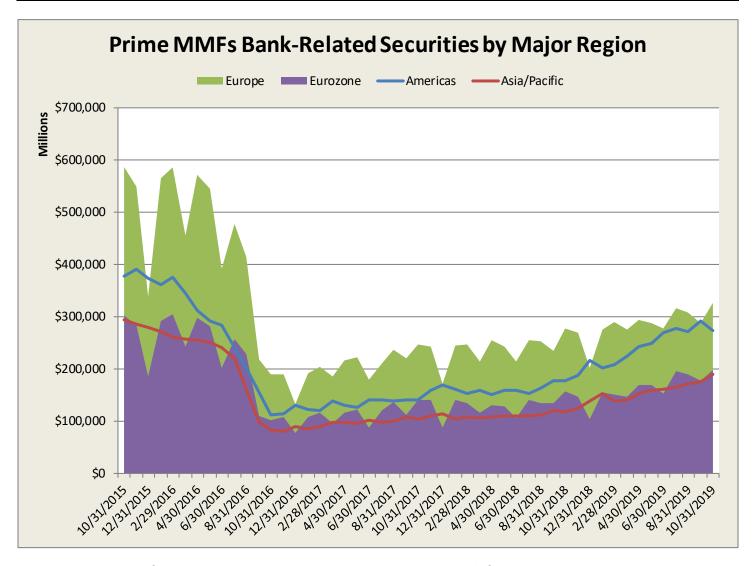


As municipal funds do not have a daily liquidity requirement, their daily liquidity statistics are not included here.



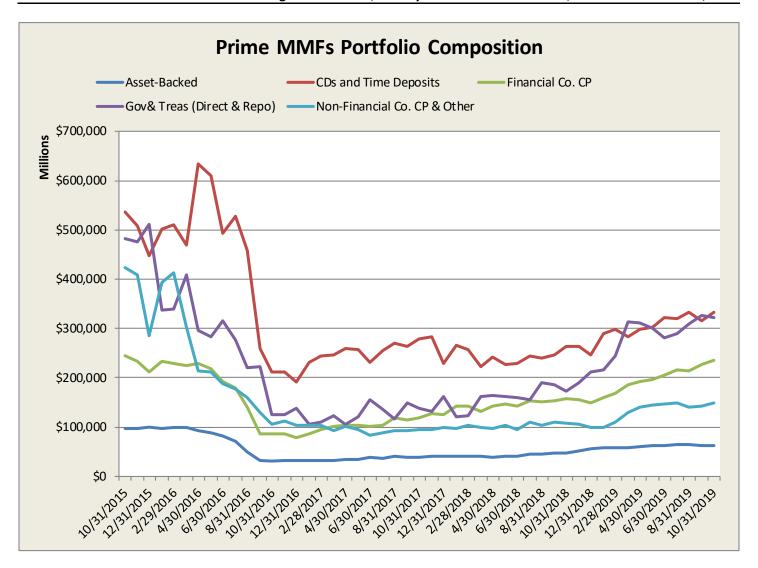


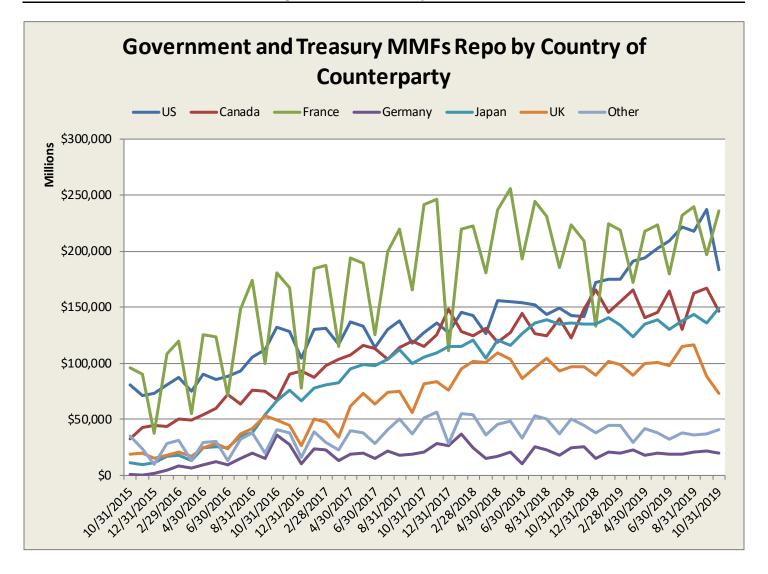
Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty.

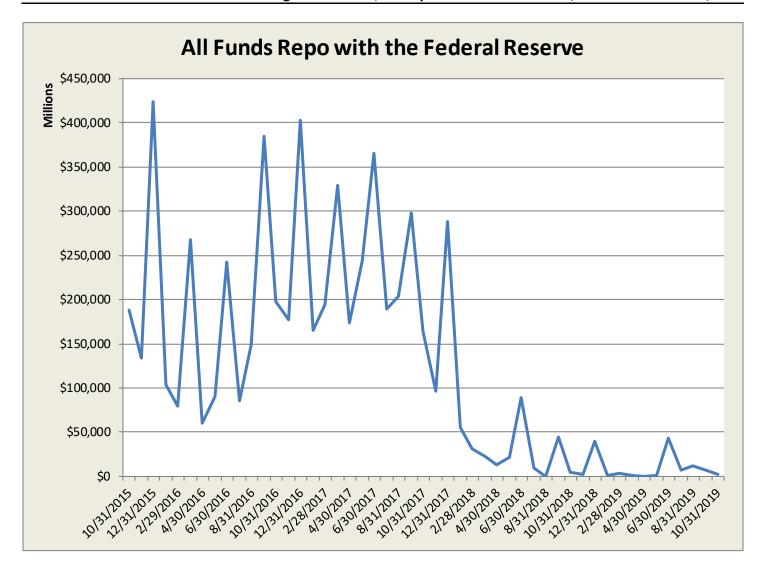


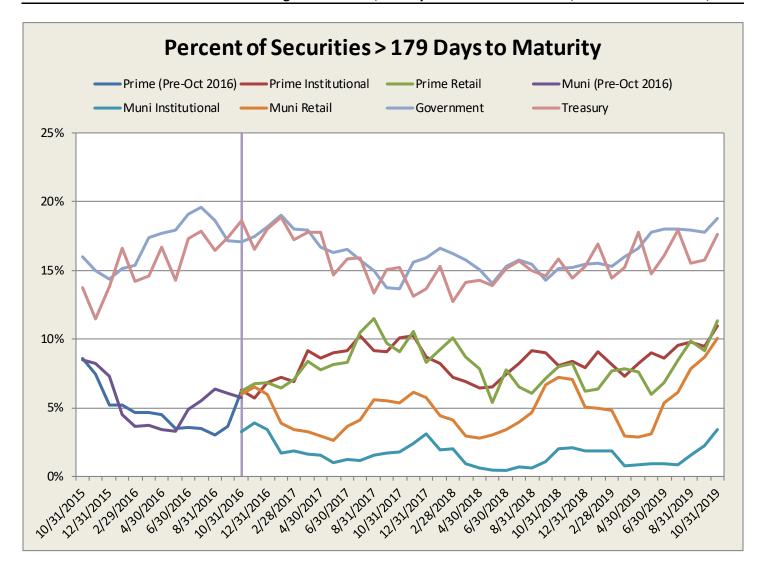
Eurozone is a subset of Europe and Eurozone values are also included in totals for Europe.

Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty.









Appendix 1 - Supporting Data

A. Number of Funds

| | Prime (Pre-Oct 2016) | Prime Institutional | Prime Retail | Muni (Pre-Oct 2016) | Muni Institutional | Muni Retail | Government | Treasury | Total |
|------------|-------------------------|------------------------|-----------------|------------------------|-----------------------|----------------|------------|----------|-------|
| 10/31/2015 | 221 | mstreational | ric turi | 150 | mstreational | recuir | 82 | 65 | 518 |
| 11/30/2015 | 218 | • | | 149 | • | | 84 | 65 | 516 |
| 12/31/2015 | 207 | | · | 147 | | | 86 | 62 | 502 |
| 1/31/2016 | 206 | | | 143 | | | 86 | 62 | 497 |
| 2/29/2016 | 203 | • | • | 142 | · | • | 89 | 62 | 496 |
| 3/31/2016 | 193 | | | 143 | • | | 91 | 63 | 490 |
| 4/30/2016 | 163 | • | • | 131 | • | • | 117 | 62 | 473 |
| 5/31/2016 | 145 | | • | 128 | • | | 131 | 62 | 466 |
| 6/30/2016 | 143 | • | • | 127 | • | • | 132 | 62 | 464 |
| 7/31/2016 | 140 | • | • | 119 | • | • | 132 | 62 | 453 |
| 8/31/2016 | 132 | • | | 112 | • | • | 137 | 62 | 443 |
| 9/30/2016 | 115 | • | • | 109 | • | • | 148 | 61 | 433 |
| 10/31/2016 | 113 | 68 | 29 | 109 | 17 | 87 | 159 | 60 | 420 |
| 11/30/2016 | • | 57 | 37 | • | 11 | 91 | 159 | 60 | 415 |
| | | | | | | | | | |
| 12/31/2016 | • | 56 | 37 | | 11 | 91 | 159 | 59 | 413 |
| 1/31/2017 | • | 56 | 37 | | 11 | 90 | 158 | 59 | 411 |
| 2/28/2017 | • | 56 | 37 | • | 11 | 90 | 158 | 59 | 411 |
| 3/31/2017 | | 56 | 37 | | 11 | 89 | 159 | 59 | 411 |
| 4/30/2017 | • | 57 | 37 | • | 11 | 89 | 159 | 59 | 412 |
| 5/31/2017 | | 56 | 37 | | 11 | 89 | 159 | 59 | 411 |
| 6/30/2017 | | 56 | 36 | | 11 | 89 | 159 | 59 | 410 |
| 7/31/2017 | | 56 | 36 | | 11 | 85 | 159 | 59 | 406 |
| 8/31/2017 | | 56 | 36 | | 11 | 85 | 159 | 59 | 406 |
| 9/30/2017 | | 56 | 36 | | 11 | 85 | 159 | 59 | 406 |
| 10/31/2017 | | 56 | 36 | | 11 | 80 | 157 | 59 | 399 |
| 11/30/2017 | | 48 | 36 | | 11 | 72 | 156 | 59 | 382 |
| 12/31/2017 | | 46 | 36 | | 11 | 72 | 154 | 60 | 379 |
| 1/31/2018 | | 46 | 36 | | 12 | 72 | 154 | 60 | 380 |
| 2/28/2018 | | 46 | 36 | | 11 | 72 | 154 | 60 | 379 |
| 3/31/2018 | | 46 | 35 | | 12 | 72 | 154 | 60 | 379 |
| 4/30/2018 | | 46 | 35 | | 12 | 72 | 154 | 62 | 381 |
| 5/31/2018 | | 46 | 35 | | 12 | 72 | 154 | 62 | 381 |
| 6/30/2018 | | 46 | 34 | | 12 | 72 | 155 | 62 | 381 |
| 7/31/2018 | | 46 | 34 | | 12 | 72 | 156 | 62 | 382 |
| 8/31/2018 | | 46 | 34 | | 12 | 72 | 157 | 62 | 383 |
| 9/30/2018 | • | 47 | 34 | · | 12 | 72 | 156 | 62 | 383 |
| 10/31/2018 | | 46 | 34 | | 14 | 70 | 155 | 62 | 381 |
| 11/30/2018 | | 46 | 33 | | 14 | 70 | 154 | 62 | 379 |
| 12/31/2018 | | 45 | 33 | | 14 | 67 | 151 | 60 | 370 |
| 1/31/2019 | | 45 | 33 | | 14 | 67 | 151 | 59 | 369 |
| 2/28/2019 | | 46 | 33 | | 14 | 67 | 151 | 59 | 370 |
| 3/31/2019 | | 46 | 33 | | 14 | 67 | 151 | 59 | 370 |
| 4/30/2019 | | 46 | 34 | | 14 | 67 | 150 | 59 | 370 |
| 5/31/2019 | | 47 | 33 | | 14 | 67 | 150 | 59 | 370 |
| 6/30/2019 | | 47 | 33 | | 14 | 67 | 150 | 59 | 370 |
| 7/31/2019 | | 47 | 33 | | 14 | 67 | 150 | 59 | 370 |
| 8/31/2019 | | 47 | 33 | | 14 | 67 | 150 | 59 | 370 |
| 9/30/2019 | | 47 | 33 | | 14 | 67 | 149 | 59 | 369 |
| 10/31/2019 | | 47 | 33 | | 14 | 67 | 152 | 59 | 372 |

B. Net Assets of Money Market Funds by Category (Millions)

| (Pi | | | | Muni | Muni | Muni | | | |
|---------------|--------------|---------------|-----------|----------------|---------------|-----------|-------------|-----------|-------------|
| | re-Oct 2016) | Institutional | Retail | (Pre-Oct 2016) | Institutional | Retail | Government | Treasury | Total |
| 10/31/2015 \$ | 51,790,928 | | | \$253,986 | | | \$528,216 | \$512,879 | \$3,086,010 |
| 11/30/2015 \$ | 51,723,586 | | | \$255,994 | | | \$580,257 | \$519,551 | \$3,079,388 |
| 12/31/2015 \$ | 1,572,045 | | | \$263,850 | | | \$715,020 | \$534,522 | \$3,085,437 |
| 1/31/2016 \$ | 51,565,516 | | | \$255,942 | | | \$716,457 | \$525,959 | \$3,063,874 |
| 2/29/2016 \$ | 1,586,685 | | | \$248,437 | | | \$739,871 | \$547,500 | \$3,122,493 |
| 3/31/2016 \$ | 51,518,186 | | | \$239,917 | | | \$755,204 | \$559,095 | \$3,072,401 |
| 4/30/2016 \$ | 51,470,199 | | | \$223,440 | | | \$794,616 | \$544,852 | \$3,033,109 |
| 5/31/2016 \$ | 51,403,324 | | • | \$217,892 | | | \$836,290 | \$555,703 | \$3,013,209 |
| 6/30/2016 \$ | 51,278,835 | | | \$201,606 | | | \$940,144 | \$571,887 | \$2,992,473 |
| 7/31/2016 \$ | 51,234,360 | | | \$190,302 | | | \$1,005,481 | \$583,593 | \$3,013,735 |
| 8/31/2016 \$ | 51,033,094 | | | \$159,116 | | | \$1,192,805 | \$608,304 | \$2,993,318 |
| 9/30/2016 | \$739,867 | | | \$135,611 | | | \$1,424,270 | \$645,052 | \$2,944,800 |
| 10/31/2016 | | \$327,605 | \$234,775 | | \$11,733 | \$123,240 | \$1,572,829 | \$644,630 | \$2,914,812 |
| 11/30/2016 | | \$315,478 | \$250,376 | | \$9,947 | \$125,354 | \$1,627,562 | \$646,148 | \$2,974,864 |
| 12/31/2016 | | \$299,286 | \$251,070 | | \$8,515 | \$125,956 | \$1,622,252 | \$651,244 | \$2,958,323 |
| 1/31/2017 | | \$312,992 | \$249,093 | | \$10,065 | \$125,290 | \$1,587,668 | \$632,071 | \$2,917,180 |
| 2/28/2017 | | \$337,070 | \$249,900 | | \$9,301 | \$125,488 | \$1,583,710 | \$625,897 | \$2,931,366 |
| 3/31/2017 | | \$345,626 | \$253,517 | | \$10,242 | \$125,135 | \$1,565,137 | \$630,006 | \$2,929,662 |
| 4/30/2017 | | \$359,051 | \$249,867 | | \$10,286 | \$122,639 | \$1,552,328 | \$622,862 | \$2,917,033 |
| 5/31/2017 | | \$362,334 | \$249,039 | | \$10,438 | \$123,434 | \$1,542,721 | \$632,849 | \$2,920,815 |
| 6/30/2017 | | \$365,381 | \$249,974 | | \$10,279 | \$122,804 | \$1,522,224 | \$626,484 | \$2,897,146 |
| 7/31/2017 | | \$373,600 | \$251,324 | | \$11,097 | \$124,256 | \$1,518,764 | \$637,985 | \$2,917,026 |
| 8/31/2017 | | \$385,107 | \$256,627 | | \$10,512 | \$122,485 | \$1,553,166 | \$660,348 | \$2,988,245 |
| 9/30/2017 | | \$404,603 | \$259,868 | | \$10,410 | \$121,617 | \$1,574,285 | \$663,665 | \$3,034,448 |
| 10/31/2017 | | \$404,408 | \$261,077 | | \$10,788 | \$121,903 | \$1,570,491 | \$656,264 | \$3,024,931 |
| 11/30/2017 | | \$415,780 | \$264,015 | | \$9,817 | \$123,081 | \$1,594,652 | \$672,906 | \$3,080,251 |
| 12/31/2017 | | \$398,906 | \$267,267 | | \$8,471 | \$125,956 | \$1,623,763 | \$701,105 | \$3,125,468 |
| 1/31/2018 | | \$409,131 | \$260,248 | | \$11,007 | \$130,606 | \$1,576,634 | \$693,592 | \$3,081,218 |
| 2/28/2018 | | \$405,107 | \$261,506 | | \$11,045 | \$129,155 | \$1,611,143 | \$703,951 | \$3,121,907 |
| 3/31/2018 | | \$403,237 | \$259,935 | | \$10,600 | \$126,517 | \$1,579,295 | \$694,141 | \$3,073,725 |
| 4/30/2018 | | \$426,570 | \$258,738 | | \$11,209 | \$124,743 | \$1,600,249 | \$683,204 | \$3,104,714 |
| 5/31/2018 | | \$424,669 | \$261,345 | | \$11,460 | \$131,305 | \$1,634,109 | \$687,449 | \$3,150,337 |
| 6/30/2018 | | \$407,446 | \$269,693 | | \$11,275 | \$127,829 | \$1,586,774 | \$695,445 | \$3,098,461 |
| 7/31/2018 | | \$418,773 | \$282,640 | | \$11,518 | \$122,974 | \$1,586,539 | \$691,247 | \$3,113,690 |
| 8/31/2018 | | \$434,967 | \$297,585 | | \$11,685 | \$123,408 | \$1,581,319 | \$694,650 | \$3,143,613 |
| 9/30/2018 | | \$442,811 | \$303,635 | | \$12,113 | \$123,056 | \$1,572,204 | \$701,872 | \$3,155,690 |
| 10/31/2018 | | \$433,830 | \$309,501 | | \$12,028 | \$126,114 | \$1,578,537 | \$703,877 | \$3,163,887 |
| 11/30/2018 | | \$449,337 | \$322,412 | | \$12,602 | \$130,641 | \$1,602,302 | \$735,903 | \$3,253,196 |
| 12/31/2018 | | \$420,950 | \$343,235 | | \$12,441 | \$137,247 | \$1,634,001 | \$749,999 | \$3,297,873 |
| 1/31/2019 | | \$458,035 | \$356,898 | | \$14,615 | \$131,201 | \$1,636,207 | \$732,337 | \$3,329,293 |
| 2/28/2019 | | \$501,861 | \$371,005 | | \$15,028 | \$128,667 | \$1,659,312 | \$730,282 | \$3,406,155 |
| 3/31/2019 | | \$591,448 | \$380,660 | | \$15,696 | \$129,323 | \$1,637,893 | \$738,992 | \$3,494,012 |
| 4/30/2019 | | \$616,748 | \$383,203 | | \$13,853 | \$124,749 | \$1,628,964 | \$727,182 | \$3,494,698 |
| 5/31/2019 | | \$616,085 | \$392,725 | | \$13,568 | \$127,081 | \$1,671,206 | \$752,200 | \$3,572,866 |
| 6/30/2019 | | \$616,389 | \$402,025 | | \$14,649 | \$126,530 | \$1,689,382 | \$765,804 | \$3,614,779 |
| 7/31/2019 | | \$626,601 | \$414,132 | | \$15,008 | \$125,881 | \$1,723,417 | \$785,311 | \$3,690,350 |
| 8/31/2019 | | \$629,966 | \$421,395 | | \$15,840 | \$124,971 | \$1,776,086 | \$798,379 | \$3,766,638 |
| 9/30/2019 | | \$631,292 | \$431,801 | | \$14,748 | \$124,371 | \$1,818,359 | \$829,012 | \$3,849,532 |
| 10/31/2019 | • | \$655,970 | \$445,511 | | \$15,391 | \$127,157 | \$1,858,528 | \$835,543 | \$3,938,100 |

C. Weighted Average 7-Day Gross Yield

| | Prime (Pre-Oct 2016) | Prime Institutional | Prime Retail | Muni (Pre-Oct 2016) | Muni Institutional | Muni Retail | Government | Treasury |
|------------|-------------------------|------------------------|-----------------|------------------------|-----------------------|----------------|----------------|----------------|
| 10/31/2015 | 0.26% | | | 0.07% | | | 0.15% | 0.09% |
| 11/30/2015 | 0.27% | | | 0.06% | | | 0.16% | 0.13% |
| 12/31/2015 | 0.41% | | | 0.07% | · | | 0.29% | 0.25% |
| 1/31/2016 | 0.49% | • | • | 0.07% | • | • | 0.35% | 0.31% |
| 2/29/2016 | 0.53% | | • | 0.08% | | · | 0.38% | 0.35% |
| 3/31/2016 | 0.55% | • | | 0.33% | | • | 0.40% | 0.37% |
| 4/30/2016 | 0.55% | • | • | 0.41% | • | | 0.41% | 0.35% |
| 5/31/2016 | 0.55% | • | • | 0.42% | • | • | 0.41% | 0.37% |
| 6/30/2016 | 0.57% | • | • | 0.46% | • | • | 0.45% | 0.39% |
| 7/31/2016 | 0.55% | • | • | 0.47% | • | • | 0.43% | 0.38% |
| 8/31/2016 | 0.57% | · | • | 0.60% | • | • | 0.43% | 0.38% |
| 9/30/2016 | 0.63% | • | • | 0.81% | • | • | 0.44% | 0.37% |
| 10/31/2016 | 0.0370 | 0.63% | 0.80% | 0.0170 | 0.63% | 0.70% | 0.44% | 0.37% |
| 11/30/2016 | • | 0.63% | 0.81% | • | 0.59% | 0.62% | 0.44% | 0.42% |
| 12/31/2016 | • | 0.03% | 0.93% | • | 0.76% | 0.02% | 0.58% | 0.42% |
| 1/31/2017 | | 0.73% | 0.98% | | 0.69% | 0.72% | 0.61% | 0.56% |
| 2/28/2017 | · | 0.84% | 0.99% | • | 0.67% | 0.71% | 0.62% | 0.58% |
| 3/31/2017 | • | 0.84% | 1.08% | • | 0.86% | 0.71% | 0.76% | 0.74% |
| 4/30/2017 | | 1.02% | 1.14% | • | 0.80% | 0.94% | 0.80% | 0.74% |
| 5/31/2017 | • | 1.02% | 1.15% | • | 0.92% | 0.84% | 0.85% | 0.78% |
| 6/30/2017 | | 1.03% | 1.15% | • | 0.81% | 0.93% | 1.01% | 1.00% |
| | • | | | • | | | 1.01% | 1.00% |
| 7/31/2017 | | 1.24% | 1.30% | • | 0.84% | 0.89% | | |
| 8/31/2017 | • | 1.25% | 1.31% | • | 0.83% | 0.86% | 1.07% | 1.05% |
| 9/30/2017 | | 1.25% 1.26% | 1.31% 1.33% | ٠ | 0.94% | 0.96% 0.97% | 1.08% 1.10% | 1.07% 1.10% |
| 10/31/2017 | • | | | • | | | | |
| 11/30/2017 | | 1.29% | 1.36% | • | 0.98% | 1.00% | 1.14% | 1.15% |
| 12/31/2017 | • | 1.48% | 1.56% | • | 1.61% | 1.59% | 1.33% | 1.32% |
| 1/31/2018 | | 1.55% 1.60% | 1.61% 1.68% | ٠ | 1.14% 1.14% | 1.18% 1.16% | 1.38% 1.44% | 1.37% 1.47% |
| 2/28/2018 | • | | | • | | | | |
| 3/31/2018 | | 1.83% | 1.89% | | 1.48% 1.72% | 1.46% | 1.69% | 1.69% |
| 4/30/2018 | • | 1.92% | 2.01% | • | | 1.71% | 1.75% | 1.74% |
| 5/31/2018 | | 1.97% | 2.08% | ٠ | 1.16% | 1.24% | 1.80% | 1.80% |
| 6/30/2018 | • | 2.11% | 2.21% | • | 1.53% | 1.53% | 1.95% | 1.92% |
| 7/31/2018 | | 2.14% | 2.22% | ٠ | 1.08% | 1.10% | 1.97% | 1.95% |
| 8/31/2018 | • | 2.15% | 2.24% | • | 1.57% | 1.59% | 2.01% | 2.01% |
| 9/30/2018 | • | 2.23% | 2.30% | • | 1.59% | 1.59% | 2.11% | 2.12% |
| 10/31/2018 | • | 2.35% | 2.39% | • | 1.64% | 1.66% | 2.22% | 2.23% |
| 11/30/2018 | | 2.39% | 2.48% | | 1.74% | 1.74% | 2.28% | 2.29% |
| 12/31/2018 | • | 2.58% | 2.62% | • | 1.75% | 1.76% | 2.45% | 2.44% |
| 1/31/2019 | • | 2.61% | 2.67% | • | 1.41% | 1.45% | 2.45% | 2.44% |
| 2/28/2019 | • | 2.62% | 2.66% | • | 1.76% | 1.78% | 2.47% | 2.45% |
| 3/31/2019 | | 2.59% | 2.65% | • | 1.53% | 1.59% | 2.49% | 2.49% |
| 4/30/2019 | • | 2.58% | 2.63% | • | 2.23% | 2.20% | 2.49% | 2.48% |
| 5/31/2019 | | 2.54% | 2.58% | | 1.58% | 1.52% | 2.45% | 2.43% |
| 6/30/2019 | • | 2.50% | 2.55% | • | 1.88% | 1.88% | 2.43% | 2.37% |
| 7/31/2019 | | 2.44% | 2.47% | | 1.47% | 1.48% | 2.39% | 2.30% |
| 8/31/2019 | | 2.26% | 2.30% | • | 1.42% | 1.42% | 2.18% | 2.14% |
| 9/30/2019 | | 2.13% | 2.18% | | 1.58% | 1.56% | 2.03% | 2.03% |
| 10/31/2019 | | 1.99% | 2.06% | | 1.22% | 1.26% | 1.89% | 1.86% |

D. Weighted Average 7-Day Net Yield

| | Prime (Pre-Oct 2016) | Prime Institutional | Prime Retail | Muni (Pre-Oct 2016) | Muni Institutional | Muni Retail | Government | Treasury |
|------------|-------------------------|------------------------|-----------------|------------------------|-----------------------|----------------|------------|----------|
| 10/31/2015 | 0.09% | | | 0.01% | | | 0.02% | 0.00% |
| 11/30/2015 | 0.11% | | | 0.01% | | | 0.02% | 0.01% |
| 12/31/2015 | 0.22% | | | 0.01% | | | 0.06% | 0.06% |
| 1/31/2016 | 0.29% | | | 0.01% | | | 0.09% | 0.10% |
| 2/29/2016 | 0.32% | | | 0.01% | | | 0.11% | 0.13% |
| 3/31/2016 | 0.33% | | | 0.06% | | | 0.13% | 0.14% |
| 4/30/2016 | 0.34% | | | 0.09% | | | 0.13% | 0.14% |
| 5/31/2016 | 0.34% | | | 0.10% | | | 0.13% | 0.15% |
| 6/30/2016 | 0.35% | | | 0.12% | | | 0.17% | 0.17% |
| 7/31/2016 | 0.34% | | | 0.13% | | | 0.17% | 0.16% |
| 8/31/2016 | 0.35% | • | • | 0.23% | • | • | 0.18% | 0.16% |
| 9/30/2016 | 0.40% | • | • | 0.43% | • | • | 0.21% | 0.16% |
| 10/31/2016 | 0.4070 | 0.52% | 0.44% | 0.4370 | 0.53% | 0.31% | 0.21% | 0.17% |
| 11/30/2016 | • | 0.56% | 0.43% | • | 0.49% | 0.24% | 0.21% | 0.20% |
| 12/31/2016 | | 0.71% | 0.43% | | 0.45% | 0.24% | 0.21% | 0.29% |
| | • | 0.71% | 0.54% | • | 0.58% | 0.33% | 0.35% | 0.29% |
| 1/31/2017 | | | | | | | | |
| 2/28/2017 | • | 0.76% | 0.60% | • | 0.56% | 0.31% | 0.35% | 0.33% |
| 3/31/2017 | • | 0.91% | 0.69% | • | 0.76% | 0.49% | 0.51% | 0.49% |
| 4/30/2017 | • | 0.95% | 0.76% | • | 0.82% | 0.55% | 0.53% | 0.53% |
| 5/31/2017 | | 0.96% | 0.77% | | 0.70% | 0.46% | 0.57% | 0.59% |
| 6/30/2017 | | 1.13% | 0.88% | • | 0.80% | 0.56% | 0.73% | 0.75% |
| 7/31/2017 | | 1.16% | 0.93% | | 0.73% | 0.52% | 0.77% | 0.82% |
| 8/31/2017 | | 1.17% | 0.94% | | 0.71% | 0.49% | 0.79% | 0.81% |
| 9/30/2017 | | 1.17% | 0.94% | | 0.83% | 0.58% | 0.81% | 0.82% |
| 10/31/2017 | | 1.18% | 0.97% | | 0.82% | 0.62% | 0.82% | 0.85% |
| 11/30/2017 | · | 1.21% | 1.01% | • | 0.87% | 0.66% | 0.86% | 0.91% |
| 12/31/2017 | | 1.40% | 1.20% | | 1.45% | 1.23% | 1.05% | 1.08% |
| 1/31/2018 | · | 1.46% | 1.27% | • | 1.01% | 0.85% | 1.10% | 1.13% |
| 2/28/2018 | | 1.51% | 1.34% | | 1.01% | 0.82% | 1.15% | 1.23% |
| 3/31/2018 | | 1.75% | 1.57% | | 1.35% | 1.12% | 1.40% | 1.45% |
| 4/30/2018 | | 1.85% | 1.70% | | 1.58% | 1.39% | 1.46% | 1.50% |
| 5/31/2018 | | 1.89% | 1.78% | | 1.03% | 0.93% | 1.52% | 1.56% |
| 6/30/2018 | | 2.03% | 1.91% | | 1.39% | 1.22% | 1.67% | 1.69% |
| 7/31/2018 | | 2.05% | 1.93% | | 0.94% | 0.79% | 1.69% | 1.72% |
| 8/31/2018 | | 2.06% | 1.95% | | 1.44% | 1.28% | 1.72% | 1.78% |
| 9/30/2018 | | 2.14% | 2.02% | | 1.45% | 1.28% | 1.83% | 1.89% |
| 10/31/2018 | | 2.25% | 2.12% | | 1.51% | 1.36% | 1.94% | 2.00% |
| 11/30/2018 | | 2.30% | 2.20% | | 1.62% | 1.44% | 1.99% | 2.05% |
| 12/31/2018 | | 2.49% | 2.35% | | 1.63% | 1.46% | 2.16% | 2.21% |
| 1/31/2019 | | 2.52% | 2.40% | | 1.29% | 1.16% | 2.17% | 2.21% |
| 2/28/2019 | | 2.52% | 2.39% | | 1.63% | 1.49% | 2.18% | 2.23% |
| 3/31/2019 | | 2.52% | 2.39% | | 1.41% | 1.31% | 2.21% | 2.26% |
| 4/30/2019 | | 2.50% | 2.37% | | 2.10% | 1.92% | 2.21% | 2.25% |
| 5/31/2019 | | 2.46% | 2.32% | | 1.45% | 1.24% | 2.17% | 2.21% |
| 6/30/2019 | • | 2.42% | 2.28% | • | 1.75% | 1.60% | 2.17% | 2.15% |
| 7/31/2019 | • | 2.42% | | • | 1.73% | | 2.13% | |
| | | | 2.21% | | | 1.21% | | 2.07% |
| 8/31/2019 | • | 2.18% | 2.05% | • | 1.30% | 1.14% | 1.91% | 1.91% |
| 9/30/2019 | | 2.05% | 1.92% | | 1.45% | 1.28% | 1.76% | 1.80% |
| 10/31/2019 | | 1.90% | 1.80% | | 1.10% | 0.98% | 1.62% | 1.64% |

E. Weighted Average Life, in days (a measure of credit sensitivity)

| | Prime (Pre-Oct 2016) | Prime Institutional | Prime Retail | Muni (Pre-Oct 2016) | Muni Institutional | Muni Retail | Government | Treasury |
|------------------------|-------------------------|------------------------|-----------------|------------------------|-----------------------|----------------|------------|----------|
| 10/31/2015 | 70.1 | mstrtutional | Netan | 34.3 | Institutional | Netan | 94.3 | 83.1 |
| 11/30/2015 | 66.7 | • | • | 31.7 | • | • | 87.9 | 80.6 |
| 12/31/2015 | 57.6 | • | • | 29.4 | • | • | 86.7 | 83.2 |
| | | • | • | | • | • | 89.4 | 88.3 |
| 1/31/2016 2/29/2016 | 60.0 58.5 | | • | 28.1 26.4 | | | 92.1 | 93.4 |
| | | • | • | | • | • | | |
| 3/31/2016 | 55.5 | | • | 26.9 | | | 96.0 | 94.7 |
| 4/30/2016 | 51.7 | • | • | 23.4 | | • | 95.4 | 94.8 |
| 5/31/2016 | 46.8 | | • | 21.1 | | • | 95.4 | 94.5 |
| 6/30/2016 | 45.1 | • | • | 25.3 | | • | 97.0 | 102.8 |
| 7/31/2016 | 39.8 | | | 26.7 | | | 98.7 | 98.9 |
| 8/31/2016 | 36.5 | | • | 29.0 | | | 97.4 | 99.7 |
| 9/30/2016 | 42.9 | | | 27.5 | | | 93.4 | 97.3 |
| 10/31/2016 | • | 52.8 | 67.0 | | 14.1 | 27.0 | 93.1 | 98.0 |
| 11/30/2016 | | 55.0 | 71.5 | | 15.6 | 28.1 | 93.8 | 96.8 |
| 12/31/2016 | | 54.1 | 70.2 | | 16.9 | 29.3 | 95.1 | 98.6 |
| 1/31/2017 | | 53.8 | 68.6 | | 15.2 | 27.9 | 94.6 | 100.1 |
| 2/28/2017 | | 50.7 | 69.2 | | 15.2 | 26.8 | 91.3 | 98.2 |
| 3/31/2017 | | 53.4 | 68.1 | | 14.3 | 24.5 | 88.7 | 95.5 |
| 4/30/2017 | | 53.7 | 66.0 | | 12.4 | 22.9 | 84.8 | 89.5 |
| 5/31/2017 | | 52.8 | 70.8 | | 10.9 | 20.3 | 82.0 | 87.1 |
| 6/30/2017 | | 57.1 | 76.0 | | 11.1 | 24.1 | 84.4 | 94.6 |
| 7/31/2017 | | 57.7 | 76.1 | | 10.0 | 24.7 | 86.1 | 89.6 |
| 8/31/2017 | | 56.5 | 75.3 | | 12.7 | 30.5 | 85.2 | 90.2 |
| 9/30/2017 | | 55.3 | 72.1 | | 14.1 | 29.4 | 84.0 | 90.6 |
| 10/31/2017 | | 57.2 | 70.2 | | 14.3 | 27.1 | 80.3 | 86.5 |
| 11/30/2017 | | 58.2 | 74.3 | | 14.6 | 28.1 | 86.2 | 82.8 |
| 12/31/2017 | | 57.8 | 69.9 | | 17.2 | 30.8 | 89.6 | 86.7 |
| 1/31/2018 | | 56.7 | 65.8 | | 13.3 | 27.1 | 91.4 | 88.9 |
| 2/28/2018 | | 53.0 | 69.0 | | 13.1 | 26.2 | 90.4 | 89.3 |
| 3/31/2018 | | 55.2 | 72.5 | | 13.4 | 26.6 | 90.2 | 93.3 |
| 4/30/2018 | | 51.3 | 65.7 | | 10.4 | 24.0 | 86.3 | 90.8 |
| 5/31/2018 | | 49.8 | 65.1 | | 11.2 | 23.9 | 82.1 | 92.1 |
| 6/30/2018 | | 53.0 | 66.6 | | 10.5 | 25.1 | 84.9 | 94.0 |
| 7/31/2018 | | 54.8 | 62.5 | | 10.7 | 24.0 | 83.3 | 90.5 |
| 8/31/2018 | | 57.1 | 64.2 | | 9.8 | 25.6 | 84.2 | 93.5 |
| 9/30/2018 | | 59.0 | 66.8 | | 11.7 | 32.1 | 86.8 | 93.5 |
| 10/31/2018 | | 56.0 | 65.0 | | 13.3 | 32.6 | 87.8 | 91.9 |
| 11/30/2018 | | 59.3 | 73.5 | | 14.3 | 31.2 | 86.0 | 89.2 |
| 12/31/2018 | | 58.1 | 62.9 | | 13.9 | 29.2 | 87.2 | 90.9 |
| 1/31/2019 | | 58.4 | 62.0 | | 12.9 | 29.6 | 85.7 | 93.1 |
| 2/28/2019 | | 59.0 | 64.0 | | 14.0 | 27.9 | 88.2 | 92.4 |
| 3/31/2019 | · . | 56.9 | 67.0 | | 14.6 | 27.6 | 93.0 | 92.5 |
| 4/30/2019 | | 56.4 | 62.5 | | 12.9 | 25.1 | 90.9 | 92.8 |
| 5/31/2019 | | 60.1 | 63.1 | | 14.1 | 25.0 | 93.3 | 91.2 |
| 6/30/2019 | | 58.2 | 62.8 | • | 14.1 | 32.5 | 95.5 | 91.1 |
| 7/31/2019 | | 58.8 | 62.9 | • | 12.8 | 31.4 | 94.7 | 93.7 |
| 8/31/2019 | | 61.5 | 66.9 | | 14.0 | 37.2 | 97.0 | 97.0 |
| 9/30/2019 | • | 62.1 | 72.8 | | 16.2 | 38.5 | 98.1 | 95.2 |
| 10/31/2019 | • | 65.7 | 76.7 | • | 19.5 | 41.7 | 97.7 | 98.7 |

F. Weighted Average Maturity, in days (a measure of interest rate sensitivity)

| | Prime | Prime | Prime | Muni (Dec. Oct. 2016) | Muni | Muni | C | T |
|------------|----------------|---------------|--------|--------------------------|---------------|--------|------------|----------|
| 10/21/2015 | (Pre-Oct 2016) | Institutional | Retail | (Pre-Oct 2016) | Institutional | Retail | Government | Treasury |
| 10/31/2015 | 35.8 | • | • | 32.1 | • | • | 37.8 | 43.2 |
| 11/30/2015 | 32.8 | | • | 29.2 | | • | 37.0 | 39.8 |
| 12/31/2015 | 30.6 | • | • | 27.4 | • | • | 38.6 | 42.6 |
| 1/31/2016 | 34.5 | | | 26.1 | | | 37.9 | 41.4 |
| 2/29/2016 | 35.2 | • | | 23.8 | | | 39.2 | 44.7 |
| 3/31/2016 | 35.1 | | • | 23.4 | | | 39.8 | 44.6 |
| 4/30/2016 | 33.4 | | • | 21.2 | | • | 39.8 | 42.2 |
| 5/31/2016 | 30.5 | | | 18.4 | | | 38.9 | 39.3 |
| 6/30/2016 | 29.0 | | | 23.3 | | | 39.4 | 43.0 |
| 7/31/2016 | 24.8 | | | 24.9 | | | 39.5 | 42.3 |
| 8/31/2016 | 21.8 | | • | 26.6 | | • | 39.1 | 45.3 |
| 9/30/2016 | 25.8 | | | 24.9 | | | 40.4 | 46.2 |
| 10/31/2016 | | 28.3 | 44.8 | | 13.6 | 24.6 | 41.8 | 46.5 |
| 11/30/2016 | | 27.1 | 44.0 | | 14.9 | 25.7 | 42.2 | 46.0 |
| 12/31/2016 | | 24.4 | 39.6 | | 15.9 | 27.1 | 45.0 | 47.0 |
| 1/31/2017 | | 24.8 | 38.3 | | 14.3 | 25.3 | 42.3 | 46.6 |
| 2/28/2017 | | 22.9 | 37.9 | | 14.5 | 23.8 | 40.0 | 43.1 |
| 3/31/2017 | | 23.0 | 33.4 | | 13.7 | 21.9 | 38.1 | 40.2 |
| 4/30/2017 | | 24.8 | 33.6 | | 11.7 | 20.2 | 34.8 | 36.3 |
| 5/31/2017 | | 22.3 | 38.2 | | 10.5 | 17.3 | 31.2 | 33.3 |
| 6/30/2017 | | 23.8 | 40.2 | | 10.4 | 21.3 | 32.0 | 37.7 |
| 7/31/2017 | | 25.7 | 39.3 | | 9.4 | 21.8 | 31.2 | 34.8 |
| 8/31/2017 | | 25.7 | 37.8 | | 12.1 | 27.4 | 29.7 | 35.8 |
| 9/30/2017 | | 23.7 | 34.0 | | 13.4 | 26.8 | 30.3 | 36.5 |
| 10/31/2017 | | 22.3 | 33.8 | | 13.6 | 24.5 | 28.8 | 33.1 |
| 11/30/2017 | | 23.3 | 35.3 | | 14.1 | 25.7 | 30.1 | 31.3 |
| 12/31/2017 | • | 25.0 | 35.7 | • | 16.5 | 28.7 | 31.8 | 34.9 |
| 1/31/2018 | | 24.0 | 31.6 | | 12.8 | 24.9 | 29.5 | 34.6 |
| 2/28/2018 | • | 23.0 | 31.8 | • | 12.7 | 24.0 | 28.9 | 36.9 |
| 3/31/2018 | • | 26.4 | 35.2 | • | 12.8 | 24.5 | 32.2 | 37.1 |
| 4/30/2018 | • | 24.5 | 30.9 | • | 9.8 | 21.0 | 28.5 | 34.6 |
| 5/31/2018 | • | 22.2 | 32.3 | • | 10.9 | 21.0 | 27.0 | 34.0 |
| 6/30/2018 | • | 25.4 | 34.5 | • | | 22.1 | | |
| | • | | | • | 10.2 | | 29.3 | 36.1 |
| 7/31/2018 | | 27.6 | 33.5 | • | 9.8 9.2 | 20.2 | 27.6 | 31.8 |
| 8/31/2018 | • | 27.9 | 36.1 | • | | 22.3 | 28.6 | 32.5 |
| 9/30/2018 | • | 28.0 | 34.3 | | 11.4 | 28.8 | 33.3 | 33.6 |
| 10/31/2018 | • | 25.7 | 29.9 | • | 12.9 | 30.0 | 32.2 | 32.2 |
| 11/30/2018 | | 27.7 | 35.4 | • | 14.1 | 29.0 | 31.0 | 29.6 |
| 12/31/2018 | | 25.8 | 32.3 | | 13.5 | 27.2 | 30.3 | 31.4 |
| 1/31/2019 | | 27.6 | 34.1 | | 12.5 | 27.5 | 27.0 | 32.5 |
| 2/28/2019 | | 29.0 | 34.8 | | 13.5 | 25.4 | 26.8 | 31.6 |
| 3/31/2019 | | 33.3 | 39.4 | | 14.2 | 25.3 | 29.7 | 32.4 |
| 4/30/2019 | | 32.9 | 34.2 | | 12.6 | 22.7 | 28.0 | 31.8 |
| 5/31/2019 | | 33.6 | 32.7 | | 13.8 | 22.6 | 27.6 | 32.5 |
| 6/30/2019 | | 32.4 | 32.9 | | 13.7 | 30.6 | 27.6 | 31.7 |
| 7/31/2019 | | 32.2 | 32.9 | | 12.4 | 28.9 | 26.8 | 33.4 |
| 8/31/2019 | | 32.6 | 36.7 | | 13.8 | 34.7 | 27.6 | 36.1 |
| 9/30/2019 | | 31.0 | 40.7 | | 15.9 | 35.9 | 29.8 | 36.9 |
| 10/31/2019 | | 34.1 | 43.5 | | 19.1 | 39.2 | 31.8 | 40.9 |

G. Daily Liquid Assets as Percent of Total Assets

(As municipal funds do not have a daily liquidity requirement, their daily liquidity statistics are not included here.)

| | Prime | Prime | Prime | | |
|------------|----------------|----------------|--------|----------------|----------|
| | (Pre-Oct 2016) | Institutional | Retail | Government | Treasury |
| 10/31/2015 | 27.5% | | • | 32.5% | 92.6% |
| 11/30/2015 | 30.1% | | | 39.6% | 93.8% |
| 12/31/2015 | 32.3% | | | 37.0% | 96.0% |
| 1/31/2016 | 27.9% | | | 31.3% | 93.8% |
| 2/29/2016 | 30.7% | | | 32.2% | 94.4% |
| 3/31/2016 | 31.0% | | | 34.2% | 95.7% |
| 4/30/2016 | 32.7% | | • | 32.0% | 91.2% |
| 5/31/2016 | 32.7% | | | 32.0% | 93.3% |
| 6/30/2016 | 31.0% | | | 35.0% | 94.1% |
| 7/31/2016 | 34.8% | | | 32.6% | 90.1% |
| 8/31/2016 | 38.9% | | | 40.0% | 92.9% |
| 9/30/2016 | 43.0% | | | 46.7% | 93.3% |
| 10/31/2016 | | 41.4% | 30.3% | 47.3% | 93.5% |
| 11/30/2016 | | 37.8% | 25.9% | 46.4% | 93.1% |
| 12/31/2016 | | 41.0% | 30.3% | 49.3% | 94.4% |
| 1/31/2017 | | 38.5% | 28.4% | 43.6% | 93.5% |
| 2/28/2017 | | 37.8% | 25.8% | 44.2% | 93.0% |
| 3/31/2017 | | 41.4% | 28.6% | 47.3% | 94.5% |
| 4/30/2017 | | 33.7% | 23.2% | 44.0% | 89.7% |
| 5/31/2017 | | 39.7% | 27.8% | 45.1% | 91.1% |
| 6/30/2017 | | 41.9% | 27.9% | 44.8% | 93.2% |
| 7/31/2017 | | 36.6% | 26.6% | 41.2% | 91.4% |
| 8/31/2017 | | 35.7% | 26.5% | 42.4% | 90.2% |
| 9/30/2017 | | 40.1% | 29.2% | 42.4% | 91.8% |
| 10/31/2017 | | 37.9% | 27.1% | 43.8% | 90.7% |
| 11/30/2017 | | 37.7% | 25.0% | 42.6% | 91.2% |
| 12/31/2017 | | 38.5% | 29.8% | 45.9% | 93.4% |
| 1/31/2018 | | 31.7% | 22.4% | 40.9% | 91.4% |
| 2/28/2018 | | 33.9% | 26.1% | 44.3% | 91.1% |
| 3/31/2018 | | 35.1% | 26.7% | 47.0% | 92.4% |
| 4/30/2018 | | 37.2% | 25.2% | 46.3% | 91.6% |
| 5/31/2018 | | 34.9% | 20.8% | 46.8% | 91.0% |
| 6/30/2018 | | 36.7% | 21.2% | 44.8% | 91.0% |
| 7/31/2018 | | 36.4% | 23.9% | 44.5% | 90.8% |
| 8/31/2018 | • | 40.1% | 27.8% | 47.1% | 92.3% |
| 9/30/2018 | • | 37.0% | 23.1% | 46.8% | 91.7% |
| 10/31/2018 | | 39.3% | 22.4% | 46.7% | 92.1% |
| 11/30/2018 | | 37.8% | 25.7% | 46.2% | 91.6% |
| 12/31/2018 | | 37.9% | 30.6% | 48.7% | 93.5% |
| 1/31/2019 | • | 40.2% | 27.0% | 47.4% | 92.5% |
| 2/28/2019 | | 40.0% | 27.5% | 46.8% | 92.0% |
| 3/31/2019 | • | | 27.6% | 43.9% | 92.2% |
| 4/30/2019 | • | 41.2% 39.9% | 26.0% | 43.9% | 91.5% |
| 5/31/2019 | • | 37.6% | 23.6% | 42.3% | 90.7% |
| 6/30/2019 | | 37.8% | 21.5% | 43.1% | 90.2% |
| | • | | | | |
| 7/31/2019 | • | 38.4% | 22.2% | 45.1% 47.6% | 90.3% |
| 8/31/2019 | • | 39.3% | 24.7% | 47.6% 46.6% | 91.0% |
| 9/30/2019 | • | 37.6% | 25.5% | 46.6% | 91.3% |
| 10/31/2019 | • | 37.7% | 25.1% | 47.0% | 91.9% |

H. Weekly Liquid Assets as Percent of Total Assets

| | Prime (Pre-Oct 2016) | Prime Institutional | Prime Retail | Muni (Pre-Oct 2016) | Muni Institutional | Muni Retail | Government | Treasury |
|------------|-------------------------|------------------------|-----------------|------------------------|-----------------------|----------------|------------|----------|
| 10/31/2015 | 41.7% | | | 66.4% | | | 58.2% | 99.0% |
| 11/30/2015 | 43.0% | | | 79.8% | | | 64.7% | 99.3% |
| 12/31/2015 | 45.3% | | | 79.9% | | | 61.5% | 99.8% |
| 1/31/2016 | 42.6% | | | 66.5% | | | 60.9% | 98.9% |
| 2/29/2016 | 42.9% | | | 79.5% | | | 61.6% | 99.5% |
| 3/31/2016 | 44.7% | | | 79.5% | | | 59.3% | 99.5% |
| 4/30/2016 | 45.8% | | | 68.0% | | | 57.4% | 95.5% |
| 5/31/2016 | 48.0% | | | 79.6% | | | 59.3% | 99.0% |
| 6/30/2016 | 49.0% | | | 81.0% | | | 58.9% | 98.9% |
| 7/31/2016 | 53.7% | | | 77.2% | | | 58.2% | 96.0% |
| 8/31/2016 | 62.3% | | | 79.8% | | | 63.9% | 98.6% |
| 9/30/2016 | 62.5% | | | 78.6% | | | 67.6% | 98.6% |
| 10/31/2016 | | 58.0% | 45.2% | | 93.1% | 79.1% | 69.5% | 98.4% |
| 11/30/2016 | | 57.5% | 43.6% | | 90.4% | 79.0% | 68.8% | 98.5% |
| 12/31/2016 | | 58.8% | 42.9% | | 90.5% | 77.3% | 68.4% | 98.4% |
| 1/31/2017 | | 56.0% | 43.0% | | 91.3% | 76.5% | 67.3% | 98.6% |
| 2/28/2017 | | 56.2% | 42.8% | | 89.1% | 76.8% | 68.8% | 98.7% |
| 3/31/2017 | | 56.1% | 43.3% | | 88.2% | 79.2% | 68.6% | 99.0% |
| 4/30/2017 | | 54.3% | 41.6% | | 85.5% | 75.8% | 69.2% | 96.1% |
| 5/31/2017 | | 54.7% | 42.7% | | 90.0% | 80.2% | 69.7% | 98.3% |
| 6/30/2017 | | 56.5% | 41.9% | | 92.9% | 80.6% | 68.4% | 99.2% |
| 7/31/2017 | | 55.7% | 41.3% | | 90.3% | 79.5% | 67.5% | 98.9% |
| 8/31/2017 | | 54.7% | 41.5% | | 91.1% | 77.7% | 66.8% | 98.3% |
| 9/30/2017 | | 56.0% | 45.2% | | 83.6% | 66.0% | 67.8% | 98.2% |
| 10/31/2017 | | 55.8% | 44.1% | | 88.3% | 78.4% | 70.8% | 97.8% |
| 11/30/2017 | | 55.4% | 44.0% | • | 89.5% | 79.3% | 69.8% | 99.0% |
| 12/31/2017 | • | 55.1% | 44.7% | • | 85.4% | 76.3% | 70.0% | 98.4% |
| 1/31/2018 | | 53.6% | 44.4% | • | 87.4% | 78.0% | 70.6% | 98.0% |
| 2/28/2018 | • | 54.7% | 44.9% | | 87.1% | 77.7% | 70.7% | 97.8% |
| 3/31/2018 | • | 54.0% | 41.6% | • | 84.3% | 74.3% | 69.7% | 97.7% |
| 4/30/2018 | • | 55.6% | 41.7% | • | 89.8% | 75.4% | 70.5% | 98.4% |
| 5/31/2018 | • | 54.8% | 41.2% | • | 88.7% | 76.7% | 71.3% | 98.5% |
| 6/30/2018 | • | 54.4% | 41.0% | • | 90.3% | 77.4% | 69.9% | 98.6% |
| 7/31/2018 | • | 55.1% | 41.9% | • | 85.4% | 78.3% | 70.9% | 98.0% |
| 8/31/2018 | • | 55.5% | 42.0% | • | 91.6% | 79.4% | 70.5% | 98.8% |
| 9/30/2018 | • | 54.3% | 42.7% | • | 86.4% | 76.2% | 70.4% | 98.3% |
| 10/31/2018 | • | 55.1% | 42.7% | • | 89.1% | 76.4% | 70.4% | 98.2% |
| 11/30/2018 | • | 54.0% | 40.1% | • | 88.9% | 77.4% | 71.8% | 99.0% |
| 12/31/2018 | | 54.0% | 43.3% | • | 87.5% | 76.7% | 71.6% | 98.8% |
| 1/31/2019 | • | 54.6% | 41.6% | • | 89.6% | 74.4% | 70.6% | 98.2% |
| 2/28/2019 | | 54.3% | 42.4% | • | 88.8% | 76.4% | 70.7% | 98.1% |
| 3/31/2019 | • | 55.8% | 41.2% | • | 87.5% | 75.5% | 69.3% | 98.1% |
| 4/30/2019 | | 54.2% | 41.2% | • | 84.9% | 75.5% | 69.3% | 98.2% |
| 5/31/2019 | • | 54.2% | 41.2% | • | 84.9% | 76.2% | 69.3% | 98.6% |
| | | | | • | | | | |
| 6/30/2019 | • | 53.7% | 40.6% | • | 86.2% | 74.6% | 69.8% | 97.7% |
| 7/31/2019 | | 53.1% | 40.6% | | 86.0% | 76.1% | 69.8% | 97.9% |
| 8/31/2019 | • | 54.5% | 42.5% | • | 86.6% | 75.1% | 71.8% | 97.6% |
| 9/30/2019 | | 53.8% | 41.9% | | 84.8% | 74.3% | 71.9% | 98.2% |
| 10/31/2019 | | 52.5% | 39.2% | | 87.5% | 73.2% | 70.5% | 98.6% |

I. Prime MMFs Holdings of Bank-Related Securities by Country (Millions)

(Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty)

| ik is the coun | tt - pai- tj / | | | | | | | | |
|----------------|----------------|--------------|-----------|-----------|----------|-----------|-------------|-------------|----------|
| | US | PrimeAust/NZ | Canada | France | Germany | Japan | Netherlands | Switzerland | UK |
| 10/31/2015 | \$186,642 | \$89,622 | \$188,570 | \$188,032 | \$46,715 | \$178,992 | \$53,497 | \$46,285 | \$73,738 |
| 11/30/2015 | \$188,746 | \$88,191 | \$199,736 | \$179,724 | \$38,772 | \$172,077 | \$50,962 | \$45,123 | \$73,477 |
| 12/31/2015 | \$187,704 | \$87,351 | \$183,189 | \$104,508 | \$32,739 | \$162,264 | \$43,484 | \$31,781 | \$57,684 |
| 1/31/2016 | \$182,104 | \$84,278 | \$177,634 | \$181,821 | \$43,463 | \$161,629 | \$50,000 | \$41,933 | \$77,124 |
| 2/29/2016 | \$190,935 | \$81,949 | \$181,858 | \$190,173 | \$46,675 | \$156,241 | \$50,163 | \$47,716 | \$74,990 |
| 3/31/2016 | \$176,293 | \$68,987 | \$165,549 | \$132,379 | \$50,440 | \$163,308 | \$49,837 | \$41,728 | \$63,814 |
| 4/30/2016 | \$171,482 | \$71,449 | \$139,091 | \$177,840 | \$53,344 | \$159,432 | \$47,800 | \$40,081 | \$69,096 |
| 5/31/2016 | \$149,185 | \$62,106 | \$141,828 | \$164,771 | \$53,837 | \$160,888 | \$44,629 | \$36,550 | \$63,438 |
| 6/30/2016 | \$143,672 | \$63,142 | \$137,677 | \$111,480 | \$44,286 | \$145,936 | \$39,564 | \$29,145 | \$57,450 |
| 7/31/2016 | \$127,698 | \$60,820 | \$112,577 | \$157,244 | \$48,879 | \$128,902 | \$35,698 | \$33,991 | \$52,566 |
| 8/31/2016 | \$100,567 | \$50,344 | \$99,785 | \$145,490 | \$39,497 | \$87,568 | \$28,035 | \$24,611 | \$40,598 |
| 9/30/2016 | \$77,117 | \$37,403 | \$76,796 | \$55,565 | \$28,727 | \$50,429 | \$23,803 | \$13,239 | \$30,229 |
| 10/31/2016 | \$55,269 | \$28,265 | \$56,307 | \$53,223 | \$23,749 | \$47,863 | \$20,252 | \$12,274 | \$25,672 |
| 11/30/2016 | \$52,839 | \$29,012 | \$60,293 | \$57,610 | \$22,680 | \$43,767 | \$21,795 | \$10,491 | \$21,786 |
| 12/31/2016 | \$58,507 | \$34,539 | \$70,573 | \$41,649 | \$19,868 | \$44,763 | \$12,350 | \$11,287 | \$13,580 |
| 1/31/2017 | \$58,023 | \$33,000 | \$64,246 | \$55,054 | \$25,345 | \$43,610 | \$16,778 | \$11,769 | \$24,091 |
| 2/28/2017 | \$53,922 | \$35,300 | \$66,475 | \$62,096 | \$26,524 | \$44,909 | \$16,373 | \$12,045 | \$20,550 |
| 3/31/2017 | \$56,244 | \$38,773 | \$81,099 | \$47,431 | \$26,119 | \$47,452 | \$16,410 | \$10,892 | \$18,155 |
| 4/30/2017 | \$61,042 | \$39,134 | \$68,858 | \$59,551 | \$25,048 | \$48,325 | \$19,921 | \$14,838 | \$25,945 |
| 5/31/2017 | \$57,170 | \$37,442 | \$69,156 | \$63,174 | \$25,561 | \$47,673 | \$21,388 | \$16,209 | \$26,238 |
| 6/30/2017 | \$59,305 | \$38,208 | \$80,402 | \$45,291 | \$18,840 | \$49,401 | \$16,196 | \$15,530 | \$23,052 |
| 7/31/2017 | \$60,935 | \$36,520 | \$79,390 | \$56,574 | \$27,019 | \$48,260 | \$24,212 | \$12,878 | \$25,745 |
| 8/31/2017 | \$61,380 | \$38,688 | \$76,927 | \$64,906 | \$28,424 | \$48,492 | \$31,501 | \$14,699 | \$26,002 |
| 9/30/2017 | \$55,743 | \$41,342 | \$84,706 | \$54,480 | \$29,824 | \$51,631 | \$21,272 | \$15,014 | \$29,727 |
| 10/31/2017 | \$60,851 | \$40,871 | \$78,528 | \$63,416 | \$28,244 | \$50,062 | \$34,688 | \$16,699 | \$31,297 |
| 11/30/2017 | \$65,019 | \$42,365 | \$93,097 | \$65,718 | \$33,112 | \$54,121 | \$29,178 | \$15,789 | \$32,885 |
| 12/31/2017 | \$67,441 | \$47,085 | \$101,879 | \$39,108 | \$24,540 | \$51,882 | \$14,462 | \$16,354 | \$30,506 |
| 1/31/2018 | \$72,365 | \$42,414 | \$88,728 | \$62,068 | \$28,744 | \$50,203 | \$36,648 | \$20,878 | \$32,517 |
| 2/28/2018 | \$63,838 | \$39,232 | \$89,252 | \$63,537 | \$27,239 | \$55,237 | \$33,060 | \$23,998 | \$35,451 |
| 3/31/2018 | \$67,938 | \$39,869 | \$90,298 | \$50,320 | \$30,199 | \$53,094 | \$28,967 | \$18,139 | \$37,838 |
| 4/30/2018 | \$66,189 | \$36,711 | \$84,856 | \$61,343 | \$31,266 | \$57,737 | \$28,094 | \$30,528 | \$38,762 |
| 5/31/2018 | \$68,373 | \$32,490 | \$89,509 | \$56,732 | \$34,619 | \$64,388 | \$29,163 | \$25,283 | \$41,567 |
| 6/30/2018 | \$66,379 | \$35,652 | \$91,761 | \$48,019 | \$32,600 | \$59,551 | \$18,954 | \$17,792 | \$31,895 |
| 7/31/2018 | \$66,236 | \$28,949 | \$85,975 | \$60,509 | \$34,956 | \$65,719 | \$36,348 | \$19,943 | \$41,350 |
| 8/31/2018 | \$71,812 | \$30,607 | \$90,422 | \$59,673 | \$34,339 | \$66,409 | \$32,119 | \$18,993 | \$44,571 |
| 9/30/2018 | \$71,210 | \$31,444 | \$105,020 | \$60,898 | \$35,392 | \$71,200 | \$29,567 | \$10,678 | \$38,307 |
| 10/31/2018 | \$77,403 | \$33,813 | \$98,542 | \$78,202 | \$40,330 | \$68,986 | \$26,881 | \$20,441 | \$46,233 |
| 11/30/2018 | \$83,356 | \$39,065 | \$103,346 | \$68,335 | \$39,566 | \$71,141 | \$23,774 | \$21,244 | \$49,361 |
| 12/31/2018 | \$92,821 | \$40,161 | \$123,301 | \$53,809 | \$23,065 | \$83,019 | \$15,576 | \$23,882 | \$35,439 |
| 1/31/2019 | \$95,330 | \$35,925 | \$105,743 | \$75,596 | \$31,019 | \$103,889 | \$32,848 | \$24,041 | \$42,278 |
| 2/28/2019 | \$94,814 | \$35,982 | \$112,401 | \$79,765 | \$31,393 | \$88,977 | \$25,027 | \$29,481 | \$44,540 |
| 3/31/2019 | \$104,601 | \$35,983 | \$118,719 | \$65,434 | \$40,059 | \$86,889 | \$32,465 | \$21,610 | \$44,462 |
| 4/30/2019 | \$117,416 | \$33,793 | \$124,289 | \$86,468 | \$41,331 | \$99,667 | \$31,575 | \$28,371 | \$40,256 |
| 5/31/2019 | \$117,860 | \$36,074 | \$129,517 | \$86,740 | \$43,623 | \$99,894 | \$31,680 | \$26,039 | \$42,591 |
| 6/30/2019 | \$121,447 | \$38,184 | \$147,844 | \$72,379 | \$42,936 | \$96,784 | \$28,774 | \$21,892 | \$48,687 |
| 7/31/2019 | \$125,557 | \$39,932 | \$150,648 | \$96,063 | \$51,370 | \$102,070 | \$38,179 | \$26,116 | \$52,217 |
| 8/31/2019 | \$126,532 | \$43,535 | \$144,809 | \$90,541 | \$53,506 | \$104,337 | \$35,335 | \$24,212 | \$45,844 |
| 9/30/2019 | \$132,839 | \$44,718 | \$158,389 | \$75,210 | \$56,037 | \$105,129 | \$37,388 | \$21,447 | \$38,845 |
| 10/31/2019 | \$124,574 | \$50,044 | \$148,637 | \$84,959 | \$52,809 | \$113,382 | \$47,246 | \$23,070 | \$54,457 |

J. Prime MMFs Holdings of Bank-Related Securities by Region (Millions)

(Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty)

| | Americas | Asia/Pacific | Europe | Eurozone |
|------------|-----------|--------------|-----------|-----------|
| 10/31/2015 | \$377,808 | \$294,191 | \$586,639 | \$302,055 |
| 11/30/2015 | \$377,808 | \$285,591 | \$549,831 | \$284,337 |
| | | | | \$186,618 |
| 1/31/2015 | \$373,214 | \$279,261 | \$339,225 | |
| 1/31/2016 | \$361,722 | \$272,201 | \$564,923 | \$291,871 |
| 2/29/2016 | \$374,976 | \$262,077 | \$584,937 | \$304,889 |
| 3/31/2016 | \$344,016 | \$257,902 | \$454,696 | \$242,342 |
| 4/30/2016 | \$312,791 | \$255,496 | \$571,371 | \$297,202 |
| 5/31/2016 | \$292,675 | \$250,898 | \$545,708 | \$281,622 |
| 6/30/2016 | \$282,750 | \$241,802 | \$391,986 | \$202,039 |
| 7/31/2016 | \$241,745 | \$219,437 | \$478,183 | \$256,238 |
| 8/31/2016 | \$201,539 | \$161,803 | \$414,665 | \$227,798 |
| 9/30/2016 | \$154,358 | \$98,569 | \$218,682 | \$110,519 |
| 10/31/2016 | \$112,169 | \$84,255 | \$189,513 | \$102,615 |
| 11/30/2016 | \$113,736 | \$80,532 | \$189,359 | \$108,089 |
| 12/31/2016 | \$129,780 | \$88,706 | \$132,221 | \$78,415 |
| 1/31/2017 | \$122,864 | \$86,155 | \$191,920 | \$107,601 |
| 2/28/2017 | \$121,228 | \$90,201 | \$204,219 | \$115,993 |
| 3/31/2017 | \$138,311 | \$97,042 | \$186,298 | \$95,304 |
| 4/30/2017 | \$130,493 | \$98,436 | \$216,358 | \$117,210 |
| 5/31/2017 | \$126,919 | \$95,203 | \$222,292 | \$122,851 |
| 6/30/2017 | \$140,245 | \$101,940 | \$178,741 | \$86,779 |
| 7/31/2017 | \$140,817 | \$98,346 | \$210,819 | \$120,468 |
| 8/31/2017 | \$138,973 | \$100,476 | \$236,187 | \$137,561 |
| 9/30/2017 | \$140,983 | \$107,721 | \$219,908 | \$112,538 |
| 10/31/2017 | \$140,003 | \$103,269 | \$247,709 | \$141,263 |
| 11/30/2017 | \$158,724 | \$109,930 | \$243,457 | \$141,678 |
| 12/31/2017 | \$170,109 | \$114,197 | \$172,127 | \$86,732 |
| 1/31/2018 | \$161,705 | \$104,374 | \$244,751 | \$140,569 |
| 2/28/2018 | \$153,706 | \$107,348 | \$246,462 | \$135,413 |
| 3/31/2018 | \$158,769 | \$106,762 | \$213,557 | \$115,255 |
| 4/30/2018 | \$151,589 | \$108,511 | \$254,940 | \$130,595 |
| 5/31/2018 | \$158,603 | \$109,848 | \$243,385 | \$127,890 |
| 6/30/2018 | \$158,796 | \$110,025 | \$213,975 | \$106,821 |
| 7/31/2018 | \$152,778 | \$109,968 | \$255,767 | \$140,067 |
| 8/31/2018 | \$162,949 | \$111,847 | \$252,776 | \$134,998 |
| 9/30/2018 | \$177,159 | \$119,718 | \$234,910 | \$133,740 |
| 10/31/2018 | \$176,629 | \$118,456 | \$276,946 | \$158,020 |
| 11/30/2018 | \$187,242 | \$124,768 | \$268,842 | \$146,213 |
| 12/31/2018 | \$216,933 | \$138,113 | \$202,689 | \$103,413 |
| 1/31/2019 | \$201,638 | \$153,648 | \$275,567 | \$155,848 |
| 2/28/2019 | \$207,744 | \$139,543 | \$290,111 | \$151,140 |
| 3/31/2019 | \$223,911 | \$141,483 | \$276,147 | \$146,045 |
| 4/30/2019 | \$242,298 | \$152,893 | \$293,622 | \$169,148 |
| 5/31/2019 | \$247,995 | \$159,125 | \$287,404 | \$168,830 |
| 6/30/2019 | \$269,958 | \$161,272 | \$277,733 | \$152,257 |
| 7/31/2019 | \$276,953 | \$166,073 | \$316,676 | \$195,315 |
| 8/31/2019 | \$272,044 | \$172,319 | \$309,117 | \$189,711 |
| 9/30/2019 | \$291,799 | \$175,800 | \$287,765 | \$178,434 |
| 10/31/2019 | \$273,724 | \$189,872 | \$326,857 | \$197,058 |

K. Prime Funds Portfolio Composition

| | Asset-Backed | CDs and Time Deposits | Financial Co. CP | Gov& Treas (Direct & Repo) | Non-Financial Co. CP & Other |
|------------|--------------|-----------------------|------------------|----------------------------|------------------------------|
| 10/31/2015 | \$97,867 | \$536,390 | \$244,734 | \$482,490 | \$423,476 |
| 11/30/2015 | \$98,101 | \$508,976 | \$232,774 | \$475,131 | \$408,991 |
| 12/31/2015 | \$100,001 | \$448,039 | \$212,028 | \$511,341 | \$284,518 |
| 1/31/2016 | \$97,175 | \$502,491 | \$233,403 | \$338,219 | \$393,273 |
| 2/29/2016 | \$99,442 | \$509,330 | \$229,720 | \$338,413 | \$413,816 |
| 3/31/2016 | \$99,407 | \$470,149 | \$223,813 | \$409,466 | \$301,876 |
| 4/30/2016 | \$93,903 | \$633,856 | \$228,874 | \$296,958 | \$214,119 |
| 5/31/2016 | \$88,388 | \$610,881 | \$219,174 | \$283,012 | \$211,359 |
| 6/30/2016 | \$82,300 | \$493,649 | \$191,981 | \$315,884 | \$188,373 |
| 7/31/2016 | \$70,826 | \$528,712 | \$179,301 | \$276,786 | \$177,183 |
| 8/31/2016 | \$50,509 | \$458,565 | \$141,475 | \$220,096 | \$159,002 |
| 9/30/2016 | \$32,234 | \$260,280 | \$86,118 | \$222,935 | \$129,102 |
| 10/31/2016 | \$31,214 | \$212,463 | \$86,686 | \$125,909 | \$106,548 |
| 11/30/2016 | \$32,613 | \$211,101 | \$86,079 | \$125,233 | \$112,738 |
| 12/31/2016 | \$32,515 | \$191,495 | \$78,677 | \$138,081 | \$104,516 |
| 1/31/2017 | \$31,280 | \$232,349 | \$86,938 | \$105,944 | \$104,006 |
| 2/28/2017 | \$31,882 | \$243,982 | \$94,693 | \$109,092 | \$104,009 |
| 3/31/2017 | \$31,470 | \$245,654 | \$100,704 | \$122,938 | \$93,170 |
| 4/30/2017 | \$34,261 | \$259,185 | \$102,998 | \$105,465 | \$101,768 |
| 5/31/2017 | \$34,915 | \$257,741 | \$103,142 | \$120,056 | \$94,616 |
| 6/30/2017 | \$38,005 | \$231,652 | \$101,583 | \$154,742 | \$83,467 |
| 7/31/2017 | \$37,676 | \$255,799 | \$103,858 | \$136,482 | \$88,453 |
| 8/31/2017 | \$41,166 | \$271,275 | \$118,815 | \$117,587 | \$92,259 |
| 9/30/2017 | \$38,080 | \$263,070 | \$115,276 | \$150,153 | \$93,851 |
| 10/31/2017 | \$38,932 | \$279,090 | \$119,279 | \$137,314 | \$95,196 |
| 11/30/2017 | \$40,230 | \$283,618 | \$126,694 | \$132,108 | \$95,698 |
| 12/31/2017 | \$41,367 | \$229,575 | \$125,719 | \$162,539 | \$98,792 |
| 1/31/2018 | \$41,962 | \$265,761 | \$141,637 | \$120,823 | \$97,725 |
| 2/28/2018 | \$40,185 | \$256,631 | \$143,571 | \$123,698 | \$104,043 |
| 3/31/2018 | \$39,885 | \$222,924 | \$132,047 | \$161,875 | \$98,970 |
| 4/30/2018 | \$38,018 | \$242,621 | \$142,426 | \$163,528 | \$97,577 |
| 5/31/2018 | \$41,658 | \$227,305 | \$146,700 | \$161,880 | \$104,614 |
| 6/30/2018 | \$41,932 | \$230,096 | \$143,163 | \$158,911 | \$95,339 |
| 7/31/2018 | \$44,428 | \$243,998 | \$153,108 | \$156,450 | \$109,146 |
| 8/31/2018 | \$45,757 | \$240,445 | \$150,485 | \$189,323 | \$104,427 |
| 9/30/2018 | \$47,464 | \$246,243 | \$153,670 | \$186,679 | \$109,552 |
| 10/31/2018 | \$46,840 | \$262,769 | \$156,687 | \$172,413 | \$107,399 |
| 11/30/2018 | \$51,916 | \$263,039 | \$156,449 | \$190,315 | \$106,553 |
| 12/31/2018 | \$55,236 | \$245,797 | \$149,081 | \$212,784 | \$99,885 |
| 1/31/2019 | \$58,251 | \$289,433 | \$160,741 | \$216,162 | \$99,421 |
| 2/28/2019 | \$59,125 | \$297,990 | \$167,806 | \$244,638 | \$109,297 |
| 3/31/2019 | \$58,043 | \$282,832 | \$186,910 | \$313,254 | \$130,053 |
| 4/30/2019 | \$59,523 | \$298,736 | \$192,077 | \$310,274 | \$140,941 |
| 5/31/2019 | \$61,954 | \$302,632 | \$196,984 | \$301,045 | \$145,395 |
| 6/30/2019 | \$62,729 | \$321,788 | \$205,101 | \$281,563 | \$147,701 |
| 7/31/2019 | \$63,881 | \$320,312 | \$216,601 | \$290,662 | \$149,012 |
| 8/31/2019 | \$63,801 | \$333,346 | \$213,464 | \$310,125 | \$139,889 |
| 9/30/2019 | \$63,541 | \$316,338 | \$226,710 | \$326,320 | \$141,652 |
| 10/31/2019 | \$62,922 | \$332,718 | \$236,409 | \$322,149 | \$150,009 |

L. Government and Treasury MMFs Bank Repo Counterparties by Country (Millions)

| | US | Canada | France | Germany | Japan | UK | Other |
|------------|-----------|-----------|-----------|----------|-----------|-----------|----------|
| 10/31/2015 | \$81,216 | \$32,669 | \$96,394 | \$459 | \$11,401 | \$19,277 | \$34,908 |
| 11/30/2015 | \$71,254 | \$43,154 | \$90,241 | \$304 | \$9,633 | \$20,116 | \$23,683 |
| 12/31/2015 | \$72,819 | \$44,675 | \$37,590 | \$2,065 | \$11,037 | \$15,345 | \$9,874 |
| 1/31/2016 | \$80,633 | \$43,594 | \$108,133 | \$4,799 | \$17,507 | \$18,305 | \$28,928 |
| 2/29/2016 | \$87,553 | \$50,817 | \$120,096 | \$8,047 | \$17,711 | \$20,984 | \$31,294 |
| 3/31/2016 | \$75,401 | \$49,567 | \$55,583 | \$6,562 | \$12,854 | \$17,145 | \$13,504 |
| 4/30/2016 | \$90,436 | \$54,482 | \$125,243 | \$9,869 | \$24,977 | \$24,413 | \$29,612 |
| 5/31/2016 | \$85,123 | \$59,950 | \$123,910 | \$12,319 | \$25,534 | \$28,005 | \$30,664 |
| 6/30/2016 | \$88,294 | \$72,381 | \$71,196 | \$9,752 | \$24,498 | \$24,165 | \$13,089 |
| 7/31/2016 | \$93,632 | \$63,254 | \$148,439 | \$15,518 | \$34,739 | \$37,409 | \$32,028 |
| 8/31/2016 | \$105,961 | \$75,811 | \$173,611 | \$20,024 | \$37,760 | \$41,857 | \$38,445 |
| 9/30/2016 | \$112,594 | \$75,405 | \$99,395 | \$15,168 | \$54,025 | \$53,088 | \$19,981 |
| 10/31/2016 | \$132,097 | \$67,885 | \$180,878 | \$35,712 | \$66,141 | \$49,231 | \$40,666 |
| 11/30/2016 | \$128,844 | \$90,774 | \$167,053 | \$27,923 | \$75,887 | \$44,514 | \$38,058 |
| 12/31/2016 | \$104,212 | \$92,700 | \$77,674 | \$10,245 | \$66,718 | \$26,148 | \$16,399 |
| 1/31/2017 | \$130,451 | \$87,787 | \$184,044 | \$23,358 | \$77,648 | \$50,601 | \$38,485 |
| 2/28/2017 | \$131,586 | \$97,761 | \$187,092 | \$22,619 | \$80,995 | \$47,247 | \$29,261 |
| 3/31/2017 | \$116,938 | \$103,416 | \$114,987 | \$13,631 | \$82,655 | \$34,403 | \$22,336 |
| 4/30/2017 | \$137,250 | \$107,535 | \$193,548 | \$19,389 | \$94,710 | \$62,132 | \$39,740 |
| 5/31/2017 | \$133,525 | \$116,243 | \$189,492 | \$20,078 | \$98,886 | \$73,356 | \$37,838 |
| 6/30/2017 | \$114,103 | \$113,489 | \$125,437 | \$15,246 | \$97,700 | \$63,456 | \$28,061 |
| 7/31/2017 | \$130,405 | \$103,509 | \$200,030 | \$21,802 | \$103,244 | \$74,542 | \$41,148 |
| 8/31/2017 | \$137,777 | \$113,874 | \$219,808 | \$17,610 | \$112,436 | \$75,479 | \$50,101 |
| 9/30/2017 | \$118,168 | \$119,790 | \$165,379 | \$18,940 | \$99,545 | \$55,796 | \$36,585 |
| 10/31/2017 | \$127,641 | \$115,055 | \$241,971 | \$21,235 | \$105,813 | \$81,658 | \$51,138 |
| 11/30/2017 | \$135,630 | \$125,604 | \$245,902 | \$28,452 | \$109,140 | \$84,129 | \$56,463 |
| 12/31/2017 | \$127,784 | \$148,809 | \$111,718 | \$26,666 | \$115,001 | \$76,159 | \$28,411 |
| 1/31/2018 | \$145,412 | \$128,353 | \$219,634 | \$36,939 | \$115,405 | \$95,388 | \$55,246 |
| 2/28/2018 | \$143,112 | \$124,849 | \$222,224 | \$24,839 | \$120,500 | \$101,836 | \$54,364 |
| 3/31/2018 | \$126,073 | \$130,753 | \$181,170 | \$15,336 | \$104,153 | \$100,646 | \$35,832 |
| 4/30/2018 | \$156,306 | \$118,552 | \$236,494 | \$17,080 | \$120,370 | \$108,941 | \$45,286 |
| 5/31/2018 | \$154,607 | \$127,472 | \$255,834 | \$20,538 | \$115,758 | \$104,044 | \$48,050 |
| 6/30/2018 | \$153,799 | \$144,331 | \$193,276 | \$10,811 | \$126,228 | \$86,101 | \$33,673 |
| 7/31/2018 | \$152,204 | \$126,428 | \$244,641 | \$25,969 | \$136,361 | \$95,907 | \$52,903 |
| 8/31/2018 | \$143,524 | \$124,626 | \$230,774 | \$23,176 | \$138,966 | \$104,708 | \$50,489 |
| 9/30/2018 | \$149,194 | \$140,200 | \$185,394 | \$18,349 | \$135,127 | \$93,072 | \$36,669 |
| 10/31/2018 | \$142,819 | \$122,622 | \$223,488 | \$24,319 | \$136,083 | \$97,201 | \$50,147 |
| 11/30/2018 | \$141,938 | \$147,878 | \$208,925 | \$25,172 | \$134,738 | \$96,941 | \$44,590 |
| 12/31/2018 | \$172,218 | \$165,790 | \$133,126 | \$15,324 | \$135,124 | \$89,441 | \$38,148 |
| 1/31/2019 | \$174,729 | \$145,025 | \$224,616 | \$20,829 | \$141,194 | \$102,066 | \$44,497 |
| 2/28/2019 | \$174,532 | \$154,948 | \$218,945 | \$19,726 | \$134,044 | \$98,835 | \$44,441 |
| 3/31/2019 | \$191,597 | \$165,671 | \$172,279 | \$23,105 | \$123,776 | \$89,430 | \$29,363 |
| 4/30/2019 | \$194,493 | \$140,438 | \$217,538 | \$18,231 | \$134,708 | \$99,874 | \$41,845 |
| 5/31/2019 | \$202,323 | \$145,633 | \$223,616 | \$19,619 | \$138,983 | \$100,880 | \$37,886 |
| 6/30/2019 | \$209,488 | \$164,072 | \$180,025 | \$18,738 | \$130,722 | \$98,275 | \$32,167 |
| 7/31/2019 | \$221,779 | \$130,254 | \$232,459 | \$19,306 | \$138,225 | \$115,385 | \$37,889 |
| 8/31/2019 | \$218,087 | \$162,535 | \$239,271 | \$20,924 | \$144,041 | \$116,497 | \$35,805 |
| 9/30/2019 | \$237,238 | \$167,036 | \$196,717 | \$22,175 | \$136,418 | \$88,516 | \$36,639 |
| 10/31/2019 | \$183,086 | \$146,460 | \$235,668 | \$20,323 | \$149,304 | \$73,461 | \$41,028 |

M. Funds Repo with the Fed (Millions)

| | FedRepo |
|------------|-----------|
| 10/31/2015 | \$188,401 |
| 11/30/2015 | \$133,924 |
| 12/31/2015 | \$423,991 |
| 1/31/2016 | \$104,048 |
| 2/29/2016 | \$79,448 |
| 3/31/2016 | \$267,679 |
| 4/30/2016 | \$60,033 |
| 5/31/2016 | \$90,902 |
| 6/30/2016 | \$242,784 |
| 7/31/2016 | \$85,043 |
| 8/31/2016 | \$149,893 |
| 9/30/2016 | \$384,348 |
| 10/31/2016 | \$198,088 |
| 11/30/2016 | \$177,264 |
| 12/31/2016 | \$403,420 |
| 1/31/2017 | \$165,226 |
| 2/28/2017 | \$194,041 |
| 3/31/2017 | \$328,793 |
| 4/30/2017 | \$174,266 |
| 5/31/2017 | \$244,136 |
| 6/30/2017 | \$365,114 |
| 7/31/2017 | \$189,737 |
| 8/31/2017 | \$204,126 |
| 9/30/2017 | \$298,480 |
| 10/31/2017 | \$164,445 |
| 11/30/2017 | \$96,209 |
| 12/31/2017 | \$288,134 |
| 1/31/2018 | \$55,087 |
| 2/28/2018 | \$30,873 |
| 3/31/2018 | \$22,621 |
| 4/30/2018 | \$13,720 |
| 5/31/2018 | \$21,465 |
| 6/30/2018 | \$88,810 |
| 7/31/2018 | \$9,035 |
| 8/31/2018 | \$380 |
| 9/30/2018 | \$44,945 |
| 10/31/2018 | \$4,805 |
| 11/30/2018 | \$2,455 |
| 12/31/2018 | \$39,648 |
| 1/31/2019 | \$1,041 |
| 2/28/2019 | \$3,405 |
| 3/31/2019 | \$721 |
| 4/30/2019 | \$5 |
| 5/31/2019 | \$855 |
| 6/30/2019 | \$43,607 |
| 7/31/2019 | \$7,366 |
| 8/31/2019 | \$12,089 |
| | |
| 9/30/2019 | \$7,057 |
| 10/31/2019 | \$2,850 |

N. Percent of Securities with Greater Than 179 Days to Maturity

| | Prime | Prime | Prime | Muni | Muni | Muni | | |
|------------|----------|---------------|--------|----------------|---------------|--------------|------------|----------|
| | (Pre-Oct | Institutional | Retail | (Pre-Oct 2016) | Institutional | Retail | Government | Treasury |
| 10/31/2015 | 8.6% | | | 8.5% | | | 16.0% | 13.7% |
| 11/30/2015 | 7.5% | | | 8.3% | | | 15.0% | 11.5% |
| 12/31/2015 | 5.2% | | | 7.3% | | | 14.4% | 13.8% |
| 1/31/2016 | 5.2% | | | 4.5% | • | | 15.1% | 16.6% |
| 2/29/2016 | 4.7% | | | 3.6% | | | 15.4% | 14.2% |
| 3/31/2016 | 4.6% | | | 3.7% | | | 17.3% | 14.6% |
| 4/30/2016 | 4.5% | | | 3.4% | | | 17.7% | 16.7% |
| 5/31/2016 | 3.5% | | | 3.3% | | | 17.9% | 14.3% |
| 6/30/2016 | 3.6% | | | 4.9% | | | 19.1% | 17.3% |
| 7/31/2016 | 3.5% | | | 5.5% | | | 19.6% | 17.8% |
| 8/31/2016 | 3.0% | | | 6.4% | | | 18.6% | 16.5% |
| 9/30/2016 | 3.6% | | | 6.0% | | | 17.2% | 17.4% |
| 10/31/2016 | | 6.3% | 6.2% | | 3.2% | 6.0% | 17.1% | 18.6% |
| 11/30/2016 | | 5.7% | 6.8% | | 3.9% | 6.5% | 17.5% | 16.5% |
| 12/31/2016 | | 6.8% | 6.9% | | 3.4% | 6.0% | 18.2% | 18.0% |
| 1/31/2017 | | 7.2% | 6.5% | | 1.7% | 3.9% | 19.0% | 18.9% |
| 2/28/2017 | | 6.9% | 7.1% | | 1.9% | 3.4% | 18.0% | 17.2% |
| 3/31/2017 | | 9.2% | 8.3% | | 1.6% | 3.3% | 17.9% | 17.7% |
| 4/30/2017 | | 8.6% | 7.7% | | 1.5% | 2.9% | 16.7% | 17.8% |
| 5/31/2017 | | 9.0% | 8.1% | | 1.0% | 2.6% | 16.3% | 14.7% |
| 6/30/2017 | | 9.2% | 8.3% | | 1.2% | 3.6% | 16.5% | 15.8% |
| 7/31/2017 | | 10.2% | 10.5% | | 1.1% | 4.1% | 15.7% | 15.9% |
| 8/31/2017 | | 9.1% | 11.5% | | 1.5% | 5.6% | 15.0% | 13.3% |
| 9/30/2017 | | 9.1% | 9.7% | | 1.7% | 5.5% | 13.8% | 15.1% |
| 10/31/2017 | | 10.1% | 9.1% | | 1.8% | 5.3% | 13.7% | 15.2% |
| 11/30/2017 | | 10.3% | 10.6% | | 2.4% | 6.1% | 15.6% | 13.1% |
| 12/31/2017 | | 8.7% | 8.3% | | 3.1% | 5.8% | 15.9% | 13.7% |
| 1/31/2018 | | 8.3% | 9.2% | | 2.0% | 4.4% | 16.6% | 15.3% |
| 2/28/2018 | | 7.2% | 10.1% | | 2.0% | 4.1% | 16.2% | 12.8% |
| 3/31/2018 | | 6.9% | 8.7% | | 0.9% | 2.9% | 15.8% | 14.1% |
| 4/30/2018 | | 6.4% | 7.9% | <u> </u> | 0.6% | 2.8% | 15.0% | 14.3% |
| 5/31/2018 | | 6.5% | 5.4% | | 0.5% | 3.0% | 14.1% | 13.9% |
| 6/30/2018 | | 7.4% | 7.8% | • | 0.4% | 3.4% | 15.3% | 15.1% |
| 7/31/2018 | | 8.2% | 6.5% | | 0.7% | 4.0% | 15.7% | 15.7% |
| 8/31/2018 | • | 9.2% | 6.0% | | 0.6% | 4.7% | 15.5% | 15.0% |
| 9/30/2018 | • | 9.0% | 7.2% | • | 1.1% | 6.6% | 14.3% | 14.6% |
| 10/31/2018 | | 8.1% | 8.0% | | 2.0% | 7.2% | 15.2% | 15.9% |
| 11/30/2018 | • | 8.4% | 8.3% | • | 2.1% | 7.1% | 15.2% | 14.4% |
| 12/31/2018 | | 7.9% | 6.2% | • | 1.9% | 5.0% | 15.5% | 15.3% |
| 1/31/2019 | • | 9.0% | 6.3% | • | 1.9% | 5.0% | 15.5% | 16.9% |
| 2/28/2019 | • | 8.1% | 7.7% | • | 1.9% | 4.8% | 15.3% | 14.5% |
| 3/31/2019 | • | 7.3% | 7.7% | • | 0.7% | 2.9% | 16.0% | 15.2% |
| 4/30/2019 | • | 8.2% | 7.6% | • | 0.8% | 2.8% | 16.6% | 17.7% |
| 5/31/2019 | • | 9.0% | 6.0% | • | 1.0% | 3.1% | 17.8% | 14.7% |
| 6/30/2019 | • | 8.6% | 6.8% | | 0.9% | 5.3% | 18.0% | 16.1% |
| 7/31/2019 | • | 9.5% | 8.4% | • | 0.9% | 6.1% | 18.0% | 17.9% |
| 8/31/2019 | | 9.8% | 9.9% | | 1.5% | 7.9% | 17.9% | 15.5% |
| 9/30/2019 | • | 9.5% | 9.9% | • | 2.2% | 7.9% 8.7% | 17.7% | 15.5% |
| | • | | | • | | | | |
| 10/31/2019 | | 11.0% | 11.3% | • | 3.4% | 10.0% | 18.8% | 17.6% |

Appendix 2 - Key Definitions

Included by reference are all definitions included in the definitions section of Form N-MFP and definitions set forth in Rule 2a-7 (17 CFR 270.2a-7). ¹

Bank-related securities For purposes of this report, includes certificates of deposit, time deposits,

sponsored ABCP, and repurchase agreements where the bank is the

counterparty.

Daily liquid assets Means:

(i) Cash;

(ii) Direct obligations of the U.S. Government;

(iii) Securities that will mature (as determined without reference to the exceptions in paragraph (i) of 29 CFR 270.2a-7 regarding interest rate readjustments), or are subject to a demand feature that is exercisable and

payable, within one business day; or

(iv) Amounts receivable and due unconditionally within one business day on

pending sales of portfolio securities.

Form N-MFP Used by Money Market Funds to file reports with the Commission pursuant to

rule 30b1-7 under the Act (17 CFR 270.30b1-7). The form is available at

https://www.sec.gov/about/forms/formn-mfp.pdf.

Fund Category A category on Item A.10 of Form N-MFP. Form N-MFP requests filers to identify

each Fund from among the following categories: Treasury, Government Agency, Exempt Government, Prime, Single State and Other Tax Exempt, and further asks the filer to identify whether the Fund is an exempt Retail money

market fund.

Government money market

fund

A money market fund that invests 99.5 percent or more of its total assets in

cash, government securities, and/or repurchase agreements that are

collateralized fully.

Institutional money market

fund

A Fund reported on Form N-MFP that is not identified as a Retail money market fund. Government and Treasury money market funds are not required to make

this distinction.

Money Market Fund (or Fund) A registered open-end management investment company, or series thereof,

that is regulated as a money market fund pursuant to rule 2a-7 (17 CFR 270.2a-

7) under the Investment Company Act of 1940.

¹ Form N-MFP is available at https://www.sec.gov/about/forms/formn-mfp.pdf. Rule 2-a7 (17 CFR 270.2a-7) is available at https://www.ecfr.gov/cgi-bin/text-idx?SID=e937839363fe49d2f475d202e9a94320&mc=true&node=se17.4.270 12a 67&rgn=div8.

Prime money market fund Any Fund reported on Form N-MFP as a Prime money market fund. Prime

money market funds generally hold a variety of taxable short-term obligations issued by corporations and banks, as well as repurchase agreements and asset-

backed commercial paper.²

Retail money market fund A money market fund that has policies and procedures reasonably designed to

limit all beneficial owners of the fund to natural persons. Government and

Treasury money market funds are not required to make this distinction.

Tax exempt fund A money market fund that holds itself out as distributing income exempt from

regular federal income tax.

Treasury money market fund A government money market fund that limits its holdings to only U.S. Treasury

obligations or repurchase agreements collateralized by U.S. Treasury securities.³

Weekly liquid assets Means:

(i) Cash;

(ii) Direct obligations of the U.S. Government;

(iii) Government securities that are issued by a person controlled or supervised by and acting as an instrumentality of the government of the United States pursuant to authority granted by the Congress of the United States that: (A) Are issued at a discount to the principal amount to be repaid at maturity without provision for the payment of interest; and (B) Have a remaining maturity date of

60 days or less.

(iv) Securities that will mature (as determined without reference to the exceptions in paragraph (i) of 29 CFR 270.2a-7 regarding interest rate readjustments), or are subject to a demand feature that is exercisable and

payable, within five business days; or

(v) Amounts receivable and due unconditionally within five business days on

pending sales of portfolio securities.

² See Money Market Fund Reform; Amendments to Form PF, Investment Company Act Release No. 31166 (July 23, 2014), available at https://www.sec.gov/rules/final/2014/33-9616.pdf.

³ *Id*.