DTCC
ADVANCING FINANCIAL MARKETS. TOGETHER.™

# ASSET SERVICES SIGMA- AGENT PERFORMANCE REPORT

Sept 2021

# Executive Summary

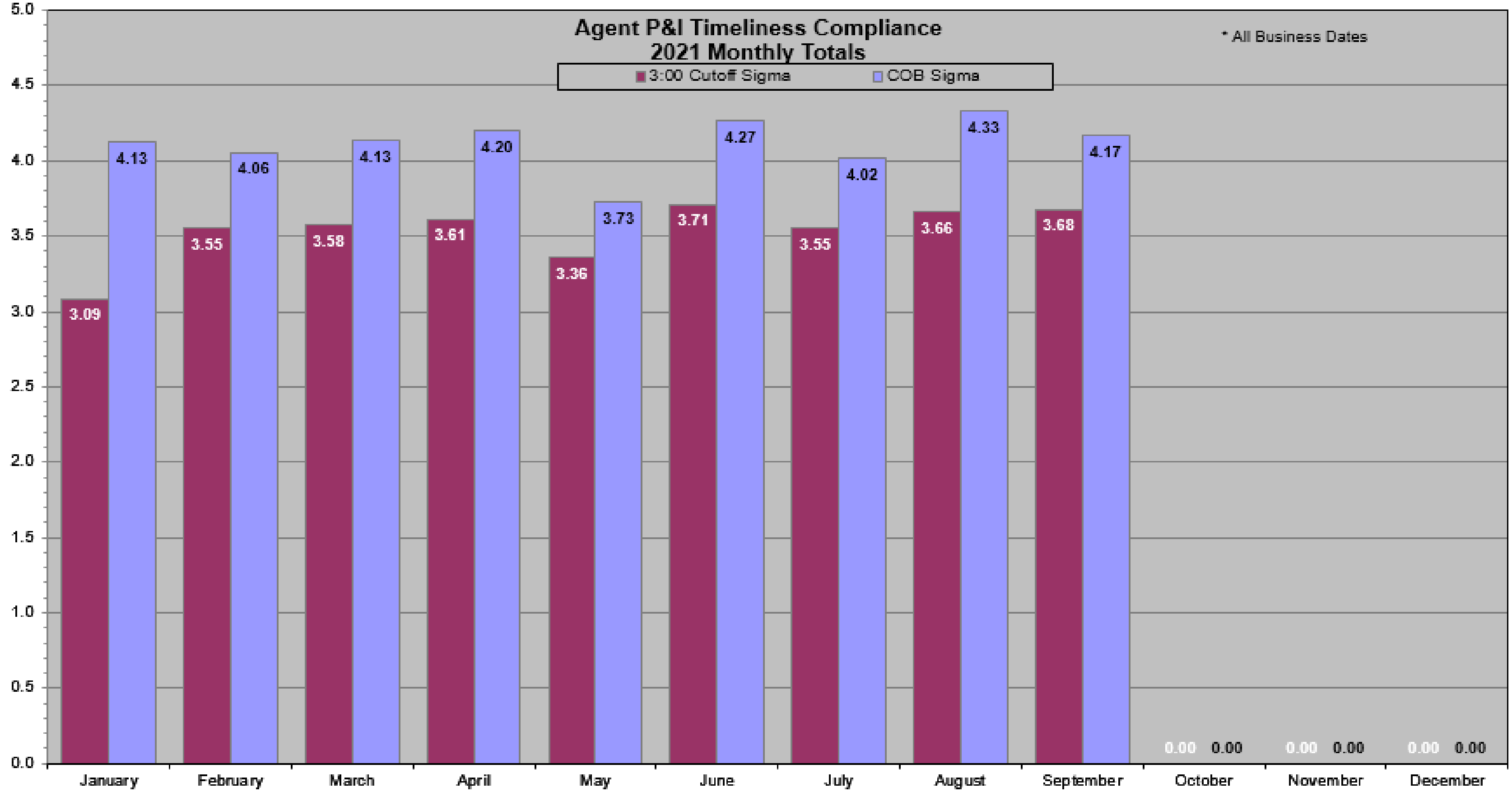
This report highlights the Sept 2021 performance of the top agents vs. industry targets. This report focuses on the following metrics:

Principal and Interest payment timeliness compliance - percentage of funds received from agents at cut-off (3:00pm ET) and at close of business (6:00pm ET), relative to the total dollars paid for the month. The Agent sigma performance for Sept 2021 was 3.68σ (98.53%). This month's performance is above the target of 3.67σ (98.50)%.

Principal and Interest allocations on payable date - percentage of allocated dollars and CUSIPS, relative to the total expected dollars and CUSIPs allocated. The Agent sigma performance for Sept 2021 was 4.02σ (99.41%). This month's performance is above the target of 3.83σ (99.00%).

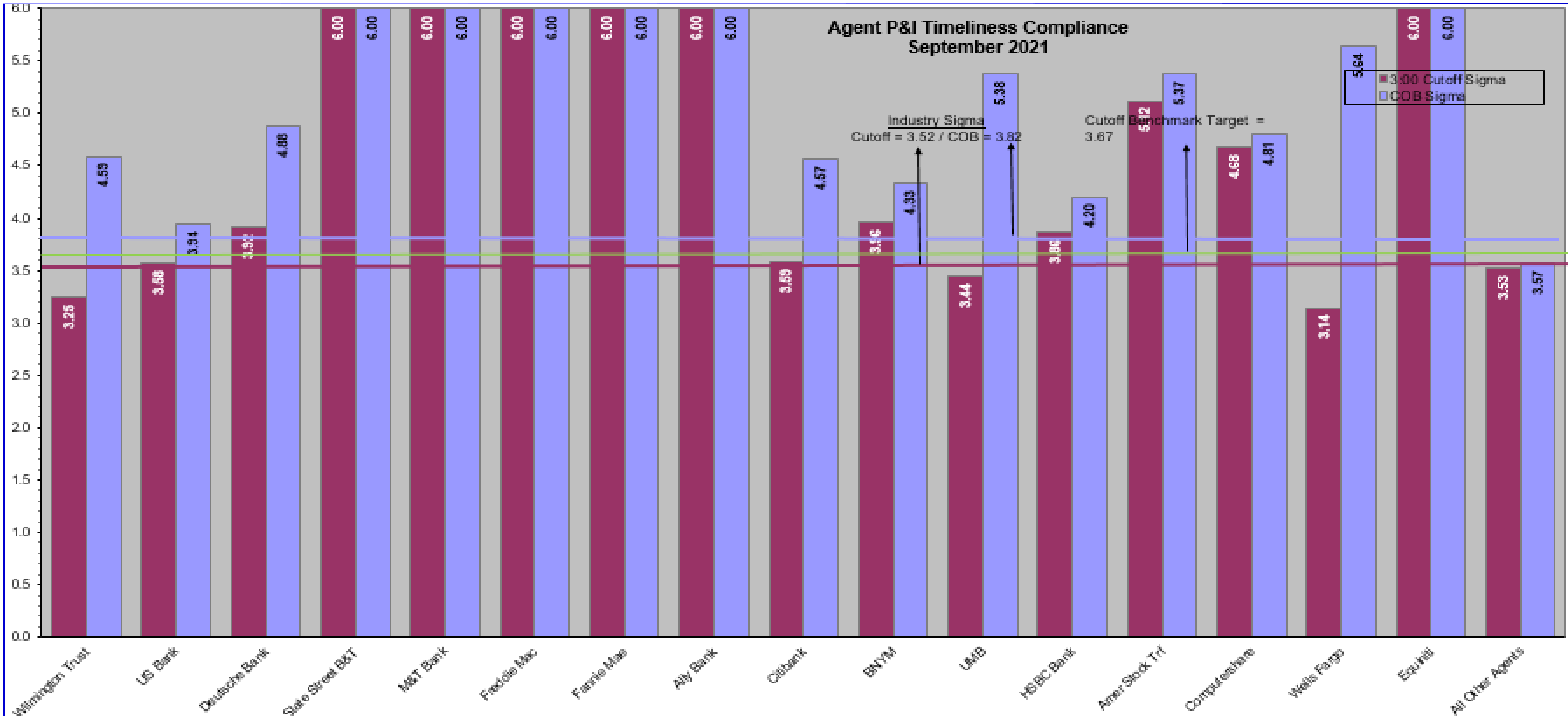
Please visit DTCC's web-site http://dtcc.com/asset-services/asset-services-performance-metrics.aspx for more detailed metric definitions and agent trend charts.

# P&I Allocations Monthly Trend



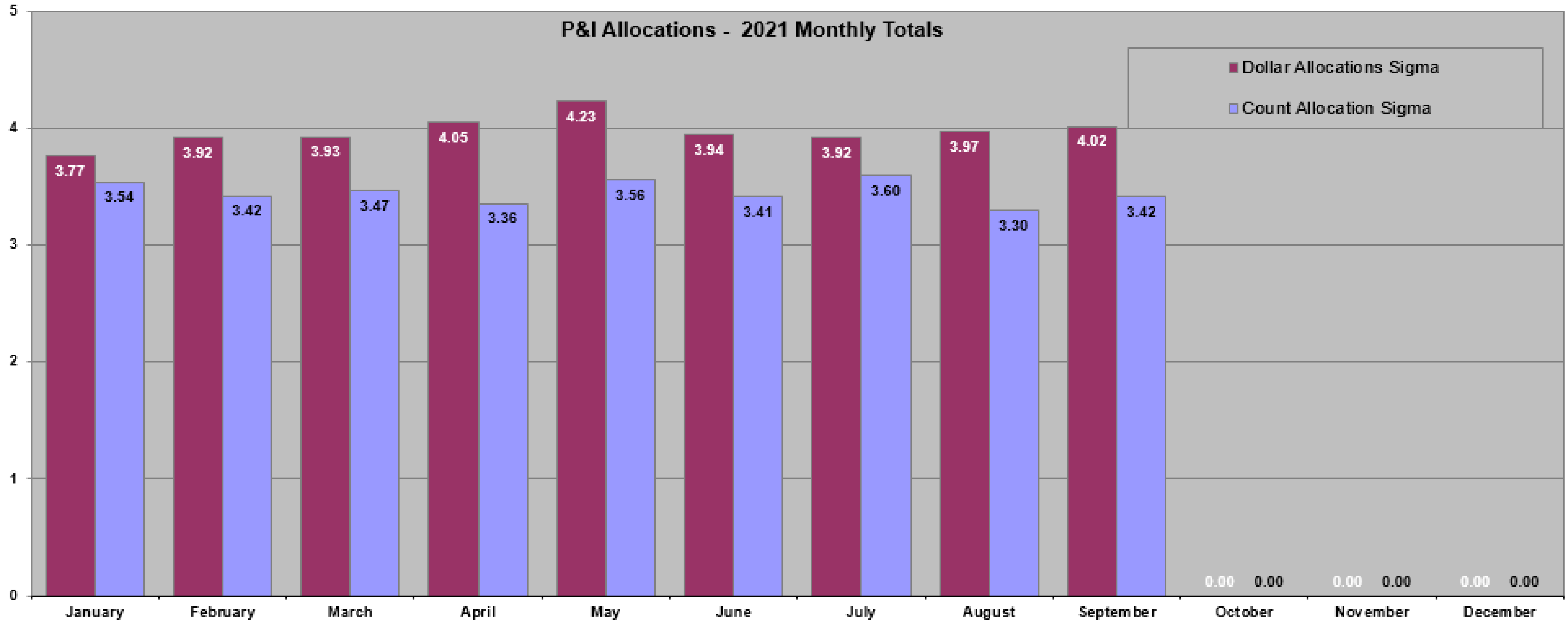

| | January | February | March | April | May | June | July | August | September | October | November | December | YTD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Percent by 3:00 Cut-off | 94.37% | 98.00% | 98.10% | 98.28% | 96.87% | 98.65% | 97.99% | 98.47% | 98.53% | | | | 97.78% |
| Cutoff Sigma | 3.09 | 3.55 | 3.58 | 3.61 | 3.36 | 3.71 | 3.55 | 3.66 | 3.68 | | | | 3.51 |
| Percent by COB | 99.57% | 99.47% | 99.58% | 99.65% | 98.71% | 99.72% | 99.42% | 99.77% | 99.62% | | | | 99.51% |
| COB Sigma | 4.13 | 4.06 | 4.13 | 4.20 | 3.73 | 4.27 | 4.02 | 4.33 | 4.17 | | | | 4.09 |

# P&I Timeliness Compliance – Agent Performance



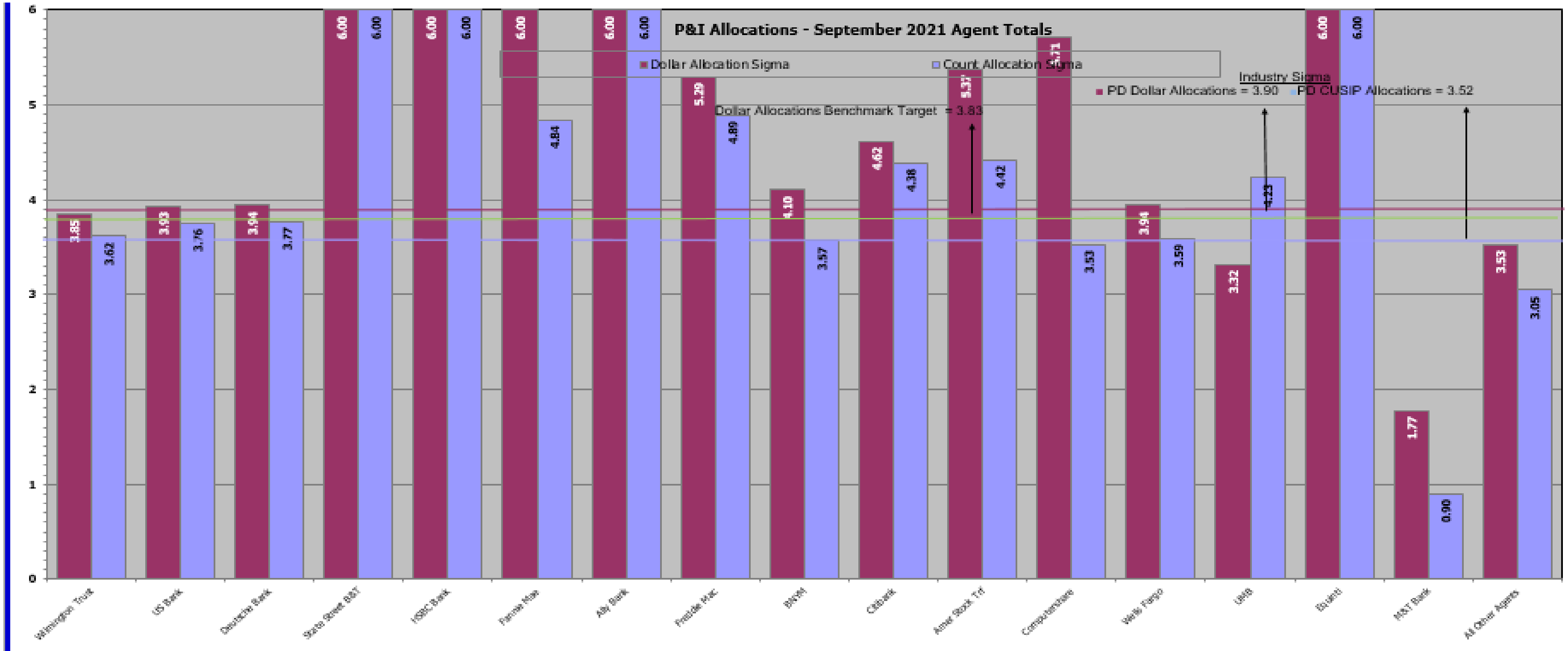

| | Wilmington Trust | US Bank | Deutsche Bank | State Street B&T | M&T Bank | Freddie Mac | Fannie Mae | Ally Bank | Citibank | BNYM | HSBC Bank | Amer Stock Trf | Computershare | Wells Fargo | Equiniti | All Other Agents |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % of Total Allocations | 2.80% | 16.42% | 4.23% | 2.39% | 0.00% | 0.91% | 0.08% | 0.16% | 6.95% | 25.18% | 0.52% | 1.48% | 15.64% | 9.69% | 3.85% | 9.42% |
| Percent by 3:00 Cut-off | 95.97% | 98.10% | 99.22% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 98.16% | 99.31% | 99.09% | 99.99% | 99.93% | 94.98% | 100.00% | 97.88% |
| Cutoff Sigma | 3.25 | 3.58 | 3.92 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 3.59 | 3.96 | 3.86 | 5.12 | 4.68 | 3.14 | 6.00 | 3.53 |
| Variance from Industry Cutoff | -0.43 | -0.10 | 0.24 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | -0.09 | 0.28 | 0.18 | 1.44 | 1.00 | -0.54 | 2.32 | -0.15 |
| Percent by COB | 99.90% | 99.26% | 99.96% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 99.89% | 99.77% | 99.66% | 99.99% | 99.95% | 100.00% | 100.00% | 98.09% |
| COB Sigma | 4.59 | 3.94 | 4.88 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 4.57 | 4.33 | 4.20 | 5.37 | 4.81 | 5.64 | 6.00 | 3.57 |

# P&I Allocations Monthly Trend




| | January | February | March | April | May | June | July | August | September | October | November | December | YTD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Expected Allocations (Billions) | $309.143 | $303.995 | $441.573 | $370.098 | $321.294 | $433.764 | $338.639 | $330.064 | $382.557 | | | | $3231.128 |
| Allocation $ Percent | 98.83% | 99.23% | 99.24% | 99.46% | 99.68% | 99.27% | 99.22% | 99.33% | 99.41% | | | | 99.30% |
| Allocation $ Sigma | 3.77 | 3.92 | 3.93 | 4.05 | 4.23 | 3.94 | 3.92 | 3.97 | 4.02 | | | | 3.96 |
| Unallocated Impact (Billions $) | $3.617 | $2.333 | $3.363 | $1.984 | $1.015 | $3.168 | $2.625 | $2.216 | $2.251 | | | | $22.574 |
| Total CUSIP Expected | 269,458 | 368,833 | 312,411 | 268,210 | 265,742 | 358,574 | 279,649 | 375,575 | 312,039 | | | | 2,810,491 |
| CUSIP Allocations % | 97.93% | 97.26% | 97.53% | 96.83% | 98.01% | 97.20% | 98.21% | 96.40% | 97.24% | | | | 97.35% |
| CUSIP Allocations Sigma | 3.54 | 3.42 | 3.47 | 3.36 | 3.56 | 3.41 | 3.60 | 3.30 | 3.42 | | | | 3.44 |
| Unallocated Impact (Count) | 5,576 | 10,090 | 7,707 | 8,506 | 5,288 | 10,033 | 5,012 | 13,519 | 8,624 | | | | 74,355 |

# P&I Allocations – Agent Performance




| AGENT | Wilmington Trust | US Bank | Deutsche Bank | State Street B&T | HSBC Bank | Fannie Mae | Ally Bank | Freddie Mac | BNYM | Citibank | Amer Stock Trf | Computer share | Wells Fargo | Equiniti | M&T Bank | All Other Agents |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Expected / % of Industry | $9.947 | $62.339 | $16.122 | $9.338 | $1.242 | $0.314 | $0.633 | $3.366 | $96.707 | $26.571 | $5.761 | $60.731 | $36.117 | $15.032 | $0.006 | $37.591 |
| | 2.60% | 16.30% | 4.21% | 2.44% | 0.32% | 0.08% | 0.17% | 0.88% | 25.28% | 6.95% | 1.51% | 15.88% | 9.44% | 3.93% | 0.00% | 9.83% |
| Allocation $ Percent | 99.05% | 99.25% | 99.26% | 100.00% | 100.00% | 100.00% | 100.00% | 99.99% | 99.54% | 99.91% | 99.99% | 100.00% | 99.27% | 100.00% | 60.82% | 97.87% |
| Allocation $ Sigma | 3.85 | 3.93 | 3.94 | 6.00 | 6.00 | 6.00 | 6.00 | 5.29 | 4.10 | 4.62 | 5.37 | 5.71 | 3.94 | 6.00 | 1.77 | 3.53 |
| Variance from Industry $ Sigma | -0.17 | -0.09 | -0.08 | 1.98 | 1.98 | 1.98 | 1.98 | 1.27 | 0.08 | 0.60 | 1.36 | 1.69 | -0.08 | 1.98 | -2.24 | -0.49 |
| CUSIP Allocations % | 98.29% | 98.80% | 98.85% | 100.00% | 100.00% | 99.96% | 100.00% | 99.97% | 98.07% | 99.80% | 99.82% | 97.86% | 98.18% | 100.00% | 27.27% | 93.91% |
| CUSIP Allocations Sigma | 3.62 | 3.76 | 3.77 | 6.00 | 6.00 | 4.84 | 6.00 | 4.89 | 3.57 | 4.38 | 4.42 | 3.53 | 3.59 | 6.00 | 0.90 | 3.05 |
| Variance from Industry CUSIP Sigma | 0.20 | 0.34 | 0.36 | 2.58 | 2.58 | 1.42 | 2.58 | 1.48 | 0.15 | 0.97 | 1.00 | 0.11 | 0.18 | 2.58 | -2.52 | -0.37 |