

Asset Services Sigma- Agent Performance Report

June 2019 Data



Executive Summary

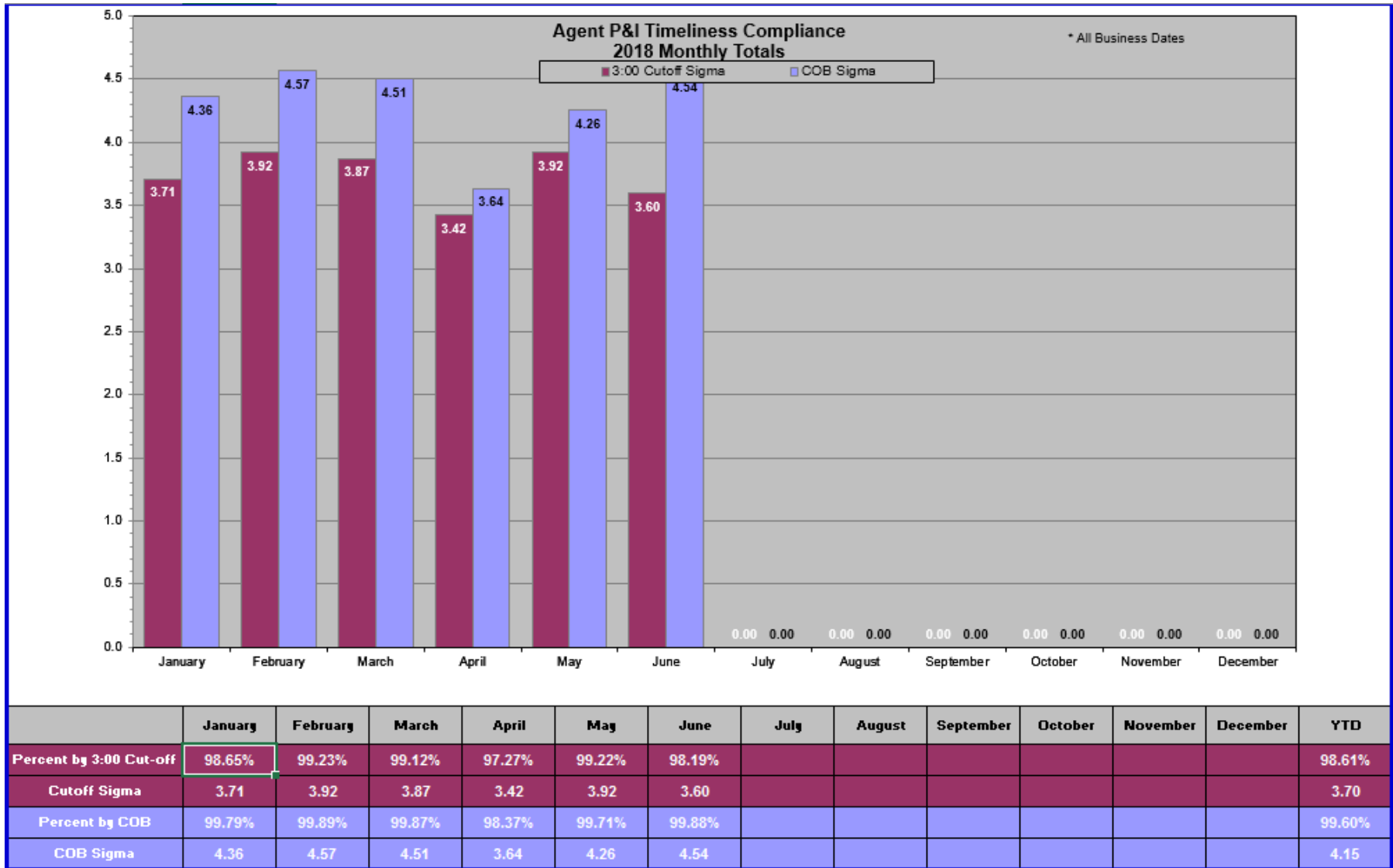
This report highlights the June 2019 performance of the top agents vs. industry targets. This report focuses on the following metrics:

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 June 2019 was 3.60σ 98.19%. This month's performance is below the target of 3.67σ (98.50%).

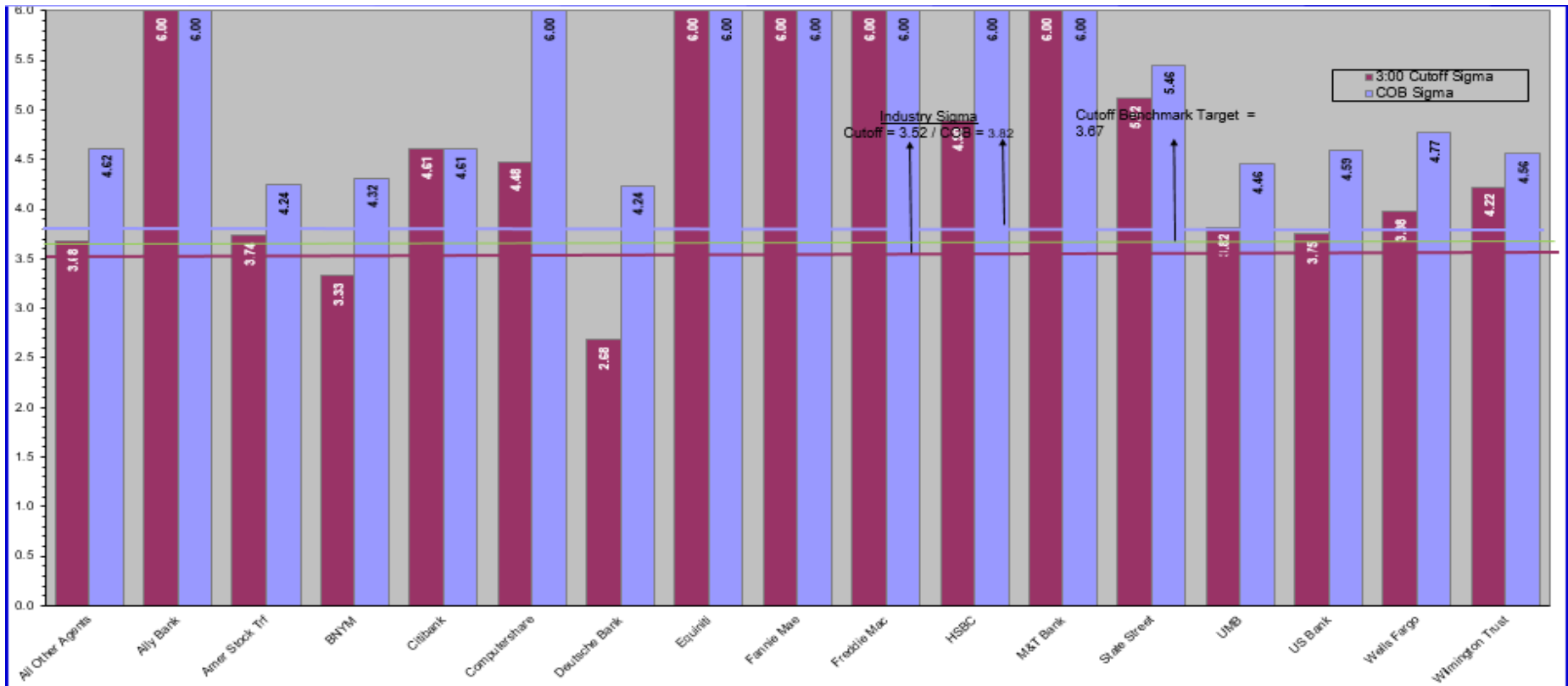
Principal and Interest allocations on payable date - percentage of allocated dollars and CUSIPS, relative to the total expected dollars and CUSIPs allocated. The Agent sigma performance for June 2019 was 4.03σ 99.42%. This month's performance is above the target of 3.83σ (99.00%).

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

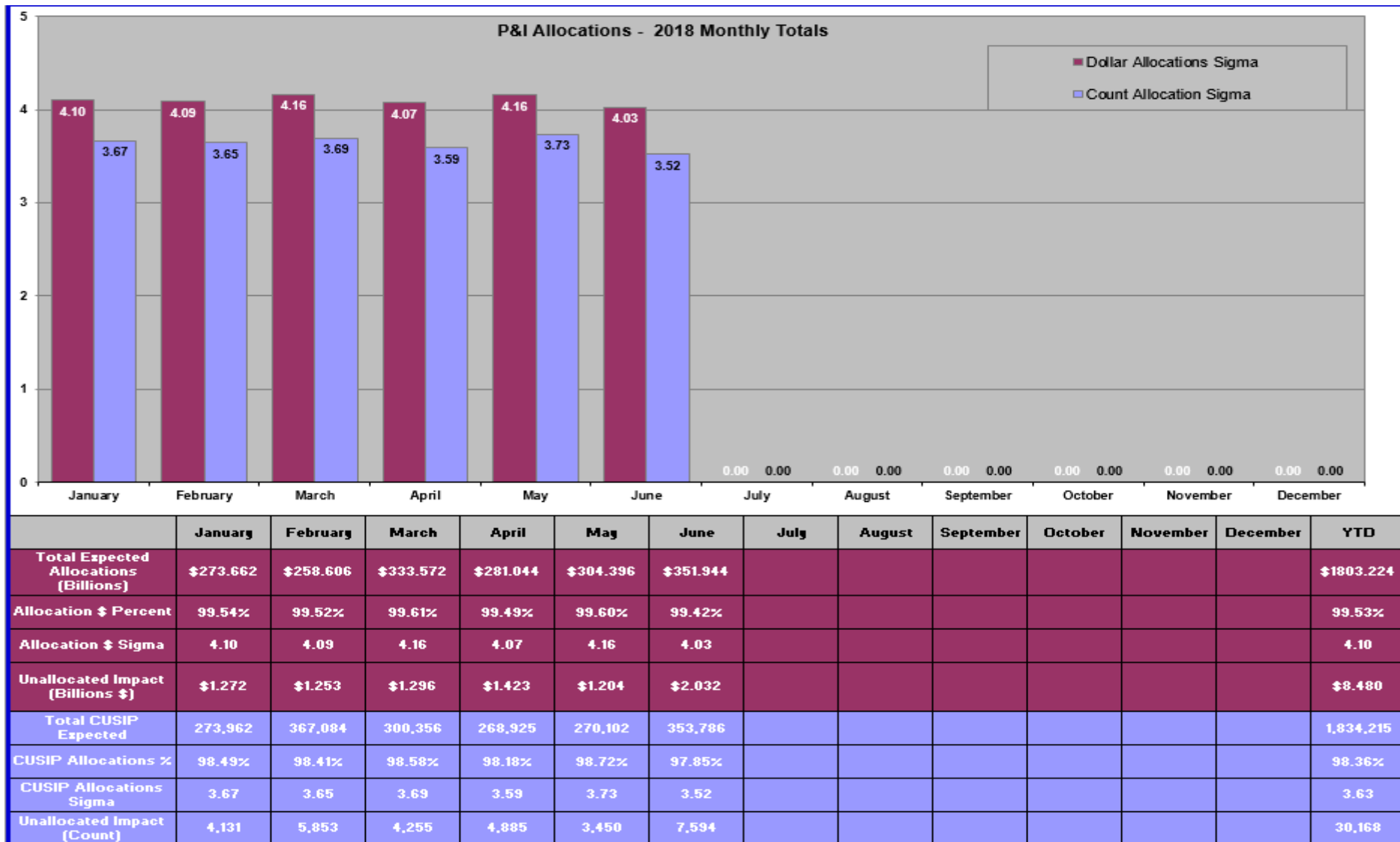


P&I Timeliness Compliance – Agent Performance

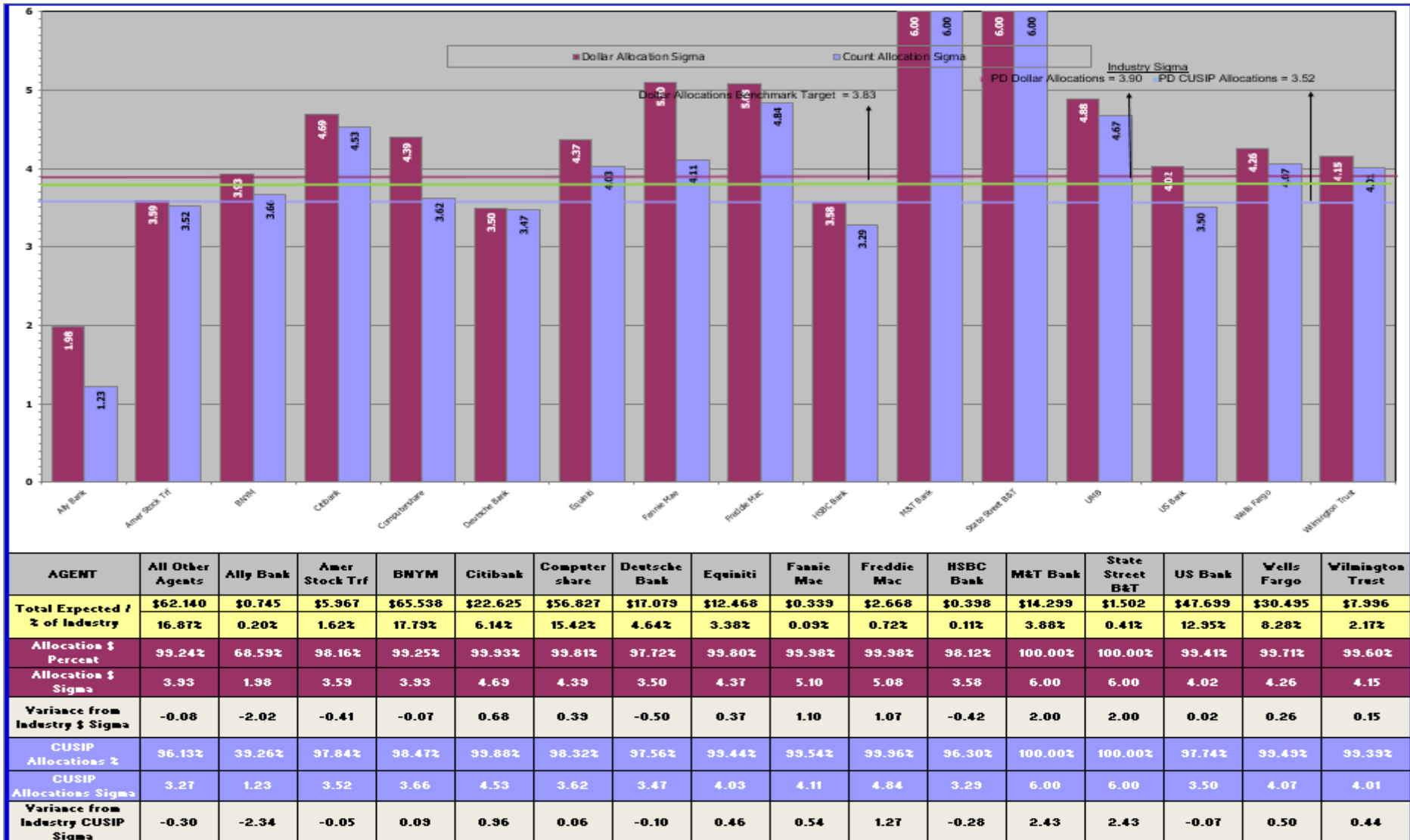


	All Other Agents	Ally Bank	Amer Stock Trf	BNYM	Citibank	Computer share	Deutsche Bank	Equiniti	Fannie Mae	Freddie Mac	HSBC	M&T Bank	State Street	US Bank	Wells Fargo	Wilmington Trust
% of Total Allocations	16.55%	0.14%	1.60%	18.38%	6.15%	15.63%	5.25%	3.42%	0.09%	0.73%	0.38%	0.25%	4.04%	10.04%	5.66%	2.23%
Percent by 3:00 Cut-off	98.54%	100.00%	98.76%	96.67%	99.91%	99.86%	88.17%	100.00%	100.00%	100.00%	99.97%	100.00%	99.99%	98.76%	99.35%	99.68%
Cutoff Sigma	3.68	6.00	3.74	3.33	4.61	4.48	2.68	6.00	6.00	6.00	4.90	6.00	5.12	3.75	3.98	4.22
Variance from Industry Cutoff	0.08	2.40	0.14	-0.27	1.01	0.88	-0.92	2.40	2.40	2.40	1.30	2.40	1.52	0.15	0.38	0.63
Percent by COB	99.91%	100.00%	99.69%	99.76%	99.91%	100.00%	99.69%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	99.90%	99.95%	99.89%
COB Sigmas	4.62	6.00	4.24	4.32	4.61	6.00	4.24	6.00	6.00	6.00	6.00	6.00	5.46	4.59	4.77	4.56

P&I Allocations Monthly Trend



P&I Allocations – Agent Performance



*Please note WF ShHldr Svc is now Equiniti