



D A L L A S
POLICE & FIRE
PENSION SYSTEM



November 2016 Board Monthly Investment Reports

Asset Allocation vs. Target

November 30, 2016

	Actual			Target	Target Range		
	\$ (M)	Gross %	Net %	\$ (M)	Low	%	High
EQUITY							
Global Equity	181.64	7.82%	8.32%	436.50	10%	20%	23%
Emerging Market Equity	-	0.00%	0.00%	109.12	0%	5%	8%
Private Equity	438.18	18.87%	20.08%	109.12	4%	5%	15%
TOTAL EQUITY	619.82	26.69%	28.40%	654.75	20%	30%	40%
FIXED INCOME							
Short Term Core Bonds	-	0.00%	0.00%	43.65	0%	2%	5%
Global Bonds	59.28	2.55%	2.72%	65.47	0%	3%	6%
High Yield	106.64	4.59%	4.89%	109.12	2%	5%	8%
Bank Loans	55.50	2.39%	2.54%	130.95	3%	6%	9%
Emerging Market Debt	38.50	1.66%	1.76%	130.95	0%	6%	9%
Absolute Return & Structured Credit	-	0.00%	0.00%	130.95	0%	6%	9%
Private Debt	85.33	3.67%	3.91%	109.12	2%	5%	7%
TOTAL FIXED INCOME	345.25	14.87%	15.82%	720.22	15%	33%	38%
GLOBAL ASSET ALLOCATION (GAA)							
Risk Parity	90.65	3.90%	4.15%	109.12	2%	5%	8%
GTAA	20.95	0.90%	0.96%	65.47	0%	3%	6%
Absolute Return	35.18	1.51%	1.61%	43.65	0%	2%	5%
TOTAL GAA	146.78	6.32%	6.73%	218.25	5%	10%	15%
REAL ASSETS							
Liquid Real Assets	-	0.00%	0.00%	65.47	0%	3%	6%
Natural Resources	264.53	11.39%	12.12%	109.12	3%	5%	10%
Infrastructure	178.35	7.68%	8.17%	109.12	3%	5%	10%
Real Estate	585.68	25.22%	26.84%	261.90	10%	12%	25%
TOTAL REAL ASSETS	1,028.56	44.29%	47.13%	545.62	20%	25%	45%
CASH	182.08	7.84%	8.34%	43.65	0%	2%	5%
GROSS INVESTMENT ASSETS	2,322.49	100%	106.41%				
DPFP DEBT	(140.00)		-6.41%	-	0%	0%	15%
NET ASSET VALUE	2,182.49		100%				

Asset Allocation vs. Target – Based on Liquidity

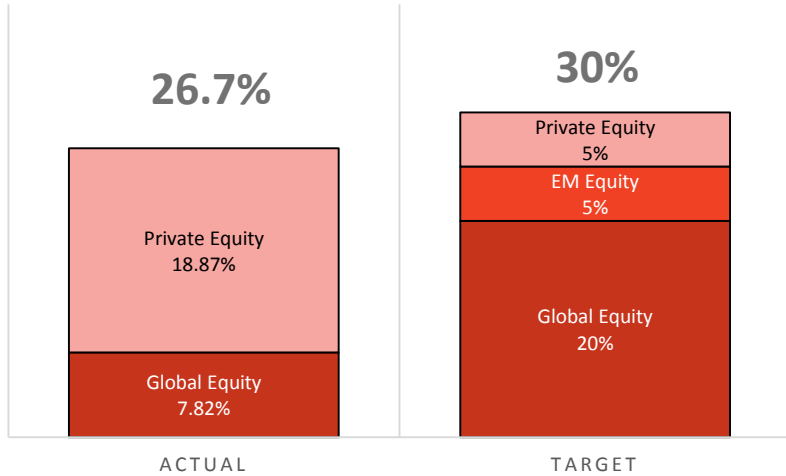
November 30, 2016

	Actual			Target	Target Range		
	\$ (M)	Gross %	Net %	\$ (M)	Low	%	High
EQUITY							
Global Equity	181.64	7.82%	8.32%	436.50	10%	20%	23%
Emerging Market Equity	-	0.00%	0.00%	109.12	0%	5%	8%
LIQUID EQUITY	181.64	7.82%	8.32%	545.62		25%	
FIXED INCOME							
Short Term Core Bonds	-	0.00%	0.00%	43.65	0%	2%	5%
Global Bonds	59.28	2.55%	2.72%	65.47	0%	3%	6%
High Yield	106.64	4.59%	4.89%	109.12	2%	5%	8%
Bank Loans	55.50	2.39%	2.54%	130.95	3%	6%	9%
Emerging Market Debt	38.50	1.66%	1.76%	130.95	0%	6%	9%
Absolute Return & Structured Credit	-	0.00%	0.00%	130.95	0%	6%	9%
LIQUID FIXED INCOME	259.92	11.19%	11.91%	611.10		28%	
GLOBAL ASSET ALLOCATION (GAA)							
Risk Parity	90.65	3.90%	4.15%	109.12	2%	5%	8%
GTAA	20.95	0.90%	0.96%	65.47	0%	3%	6%
Absolute Return	35.18	1.51%	1.61%	43.65	0%	2%	5%
TOTAL GAA	146.78	6.32%	6.73%	218.25		10%	
LIQUID REAL ASSETS	-	0.00%	0.00%	65.47	0%	3%	6%
CASH	182.08	7.84%	8.34%	43.65	0%	2%	5%
TOTAL LIQUID INVESTMENTS	770.42	33.17%	35.30%	1,484.09		68%	

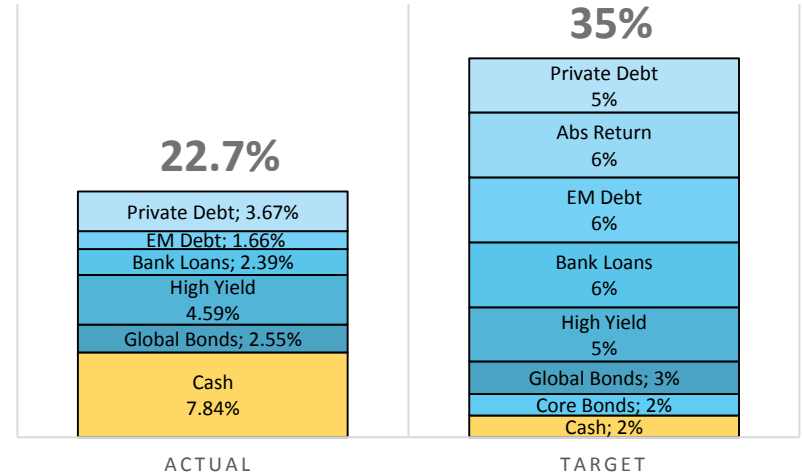
PRIVATE REAL ASSETS							
Natural Resources	264.53	11.39%	12.12%	109.12	3%	5%	10%
Infrastructure	178.35	7.68%	8.17%	109.12	3%	5%	10%
Real Estate	585.68	25.22%	26.84%	261.90	10%	12%	25%
TOTAL PRIVATE REAL ASSETS	1,028.56	44.29%	47.13%	480.15		22%	
PRIVATE MARKETS							
Private Equity	438.18	18.87%	20.08%	109.12	4%	5%	15%
Private Debt	85.33	3.67%	3.91%	109.12	2%	5%	7%
TOTAL PRIVATE MARKETS	523.51	22.54%	23.99%	218.25		10%	
TOTAL PRIVATE INVESTMENTS	1,552.07	66.83%	71.11%	698.40		32%	

GROSS INVESTMENT ASSETS	2,322.49	100%	106.41%				
DPFP DEBT	(140.00)		-6.41%	-	0%	0%	15%
NET ASSET VALUE	2,182.49		100%				

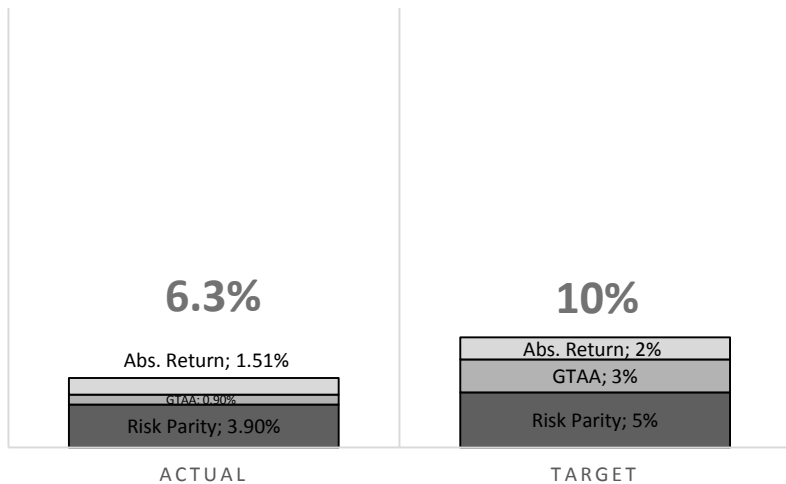
EQUITY



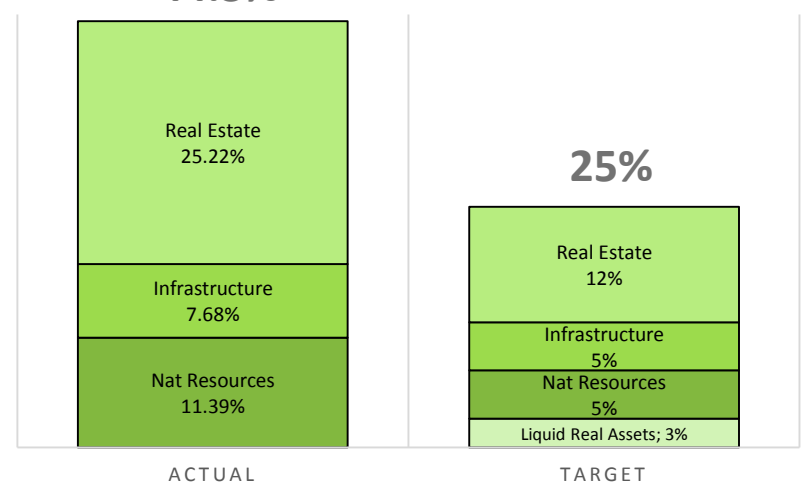
FIXED INCOME & CASH



GLOBAL ASSET ALLOCATION

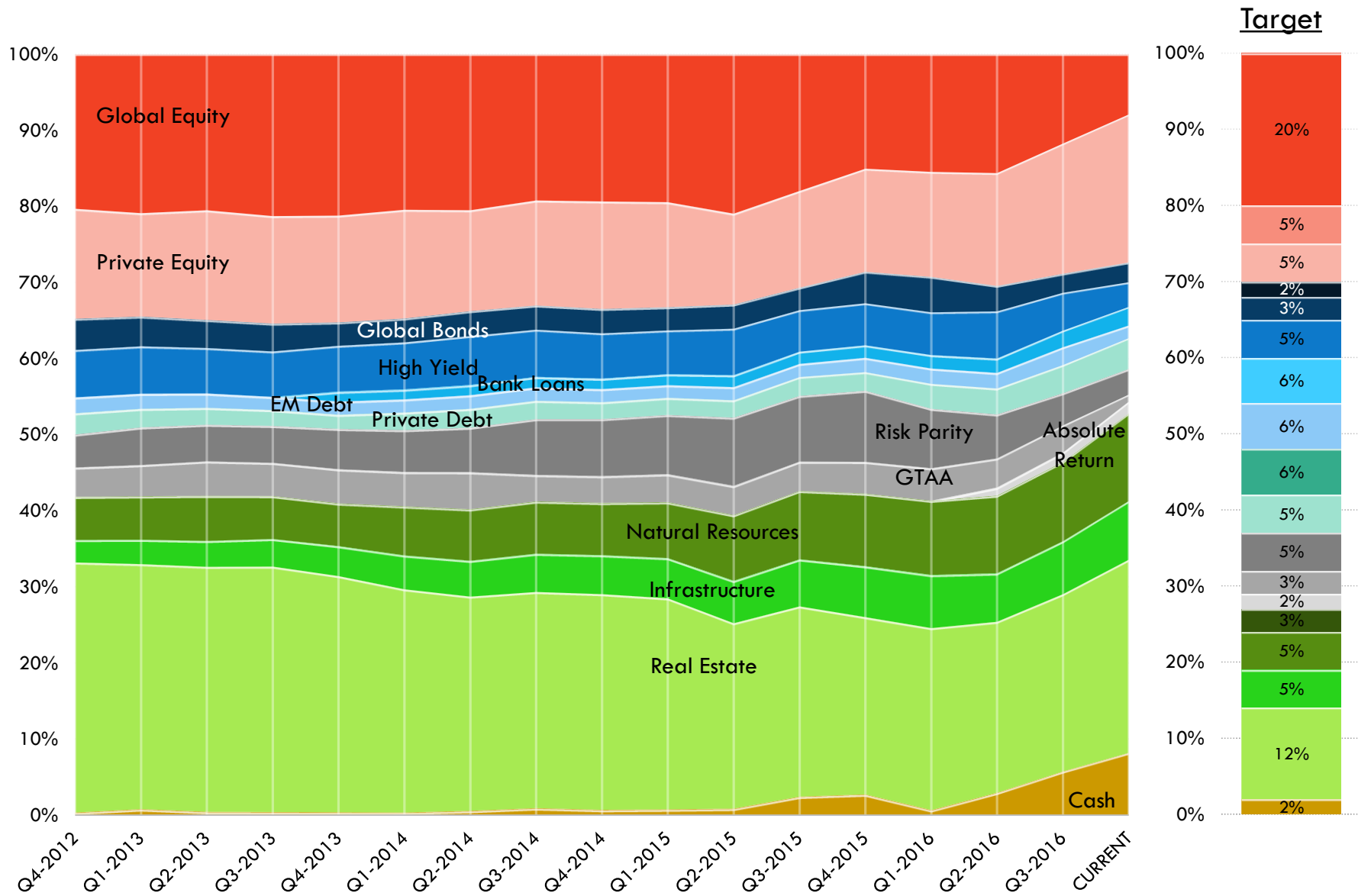


REAL ASSETS



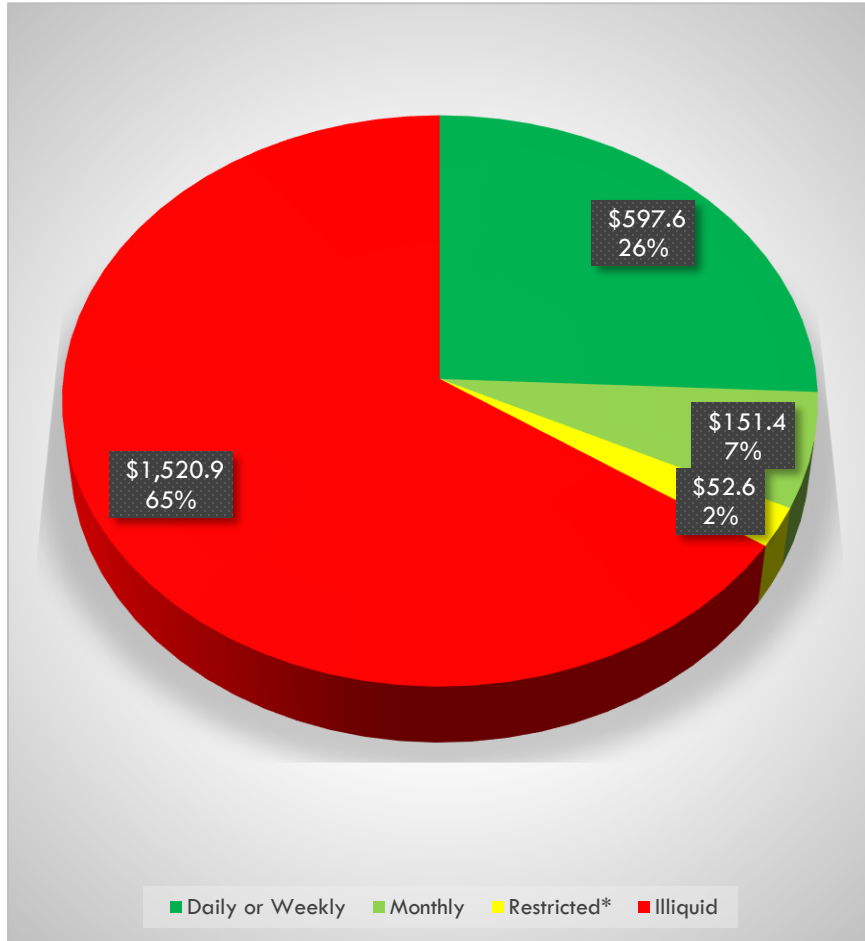
Asset Allocation History (Quarterly)

November 30, 2016

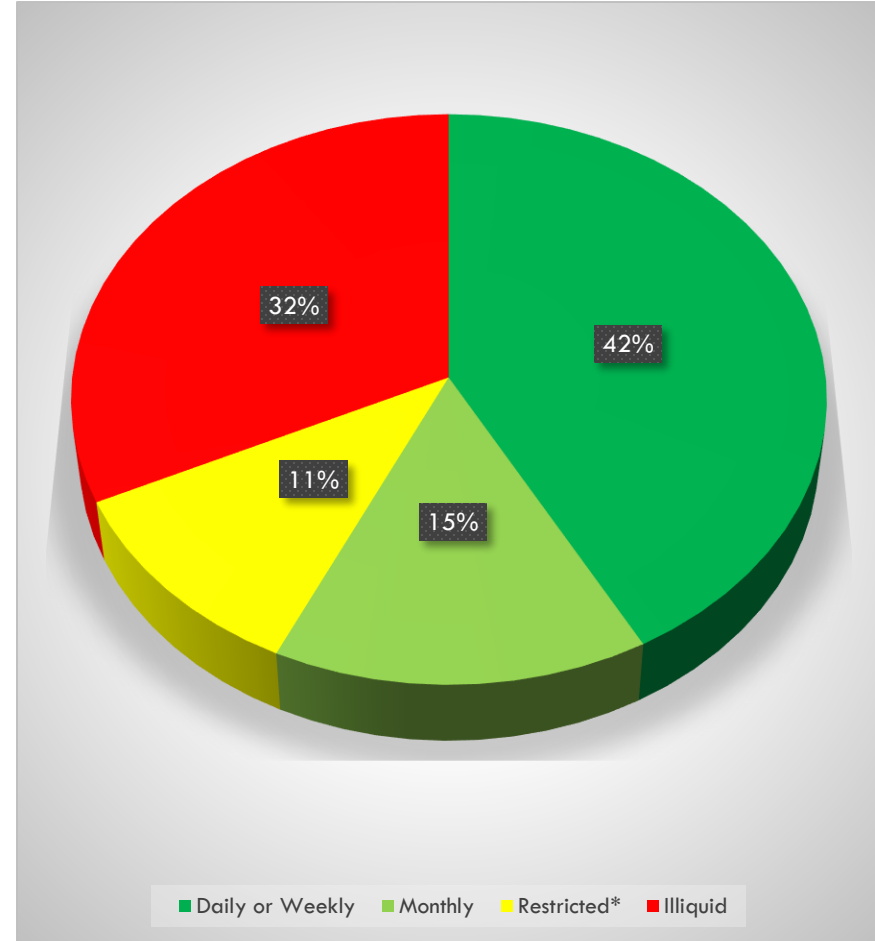


In Millions

ACTUAL – GROSS INVESTMENT ASSETS



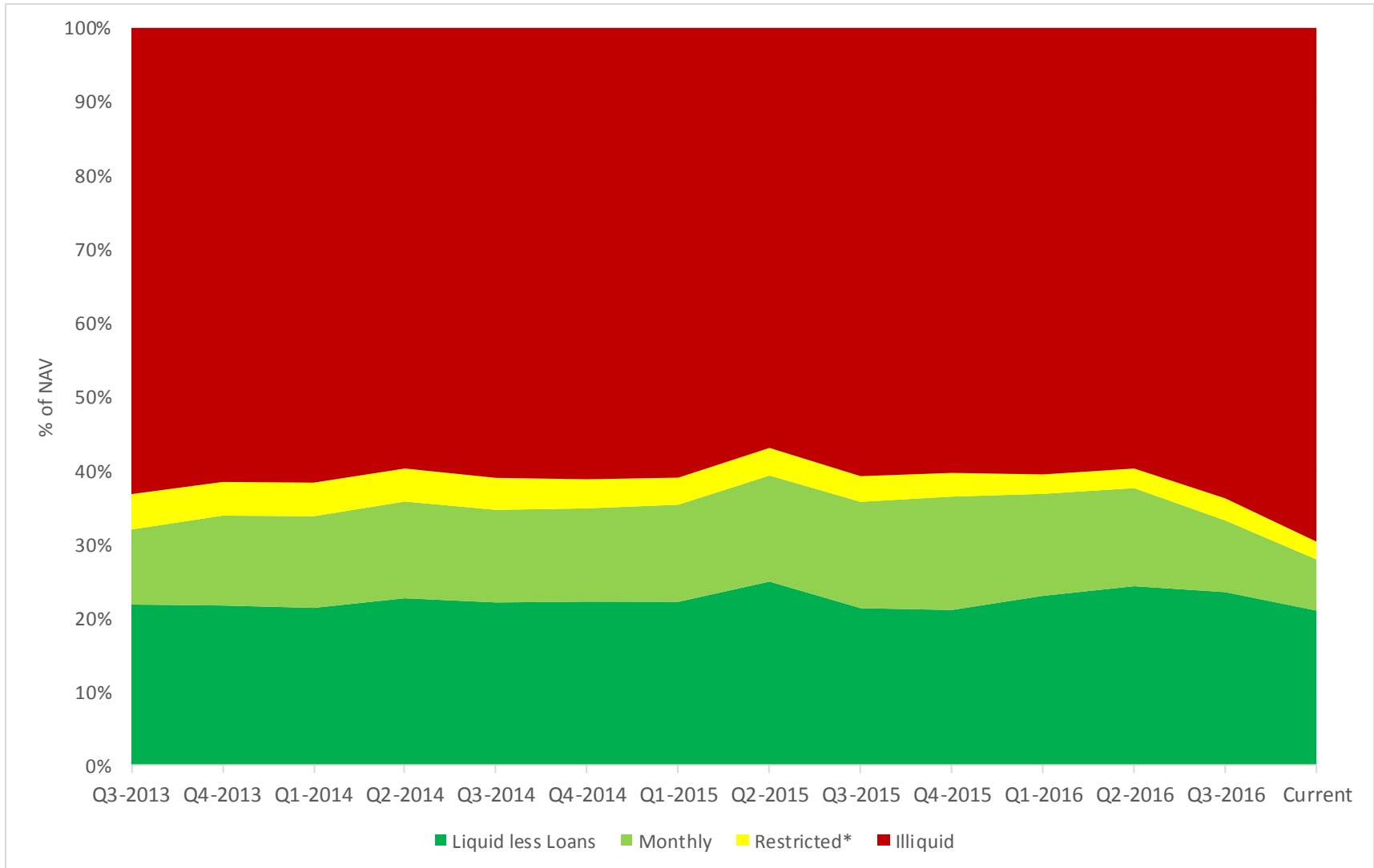
BASED ON ASSET ALLOCATION



* - Assets can be redeemed between monthly and annual basis often with gating, lock-ups or notice of more than 30 days required.

Liquidity History- As Percentage (Quarterly)

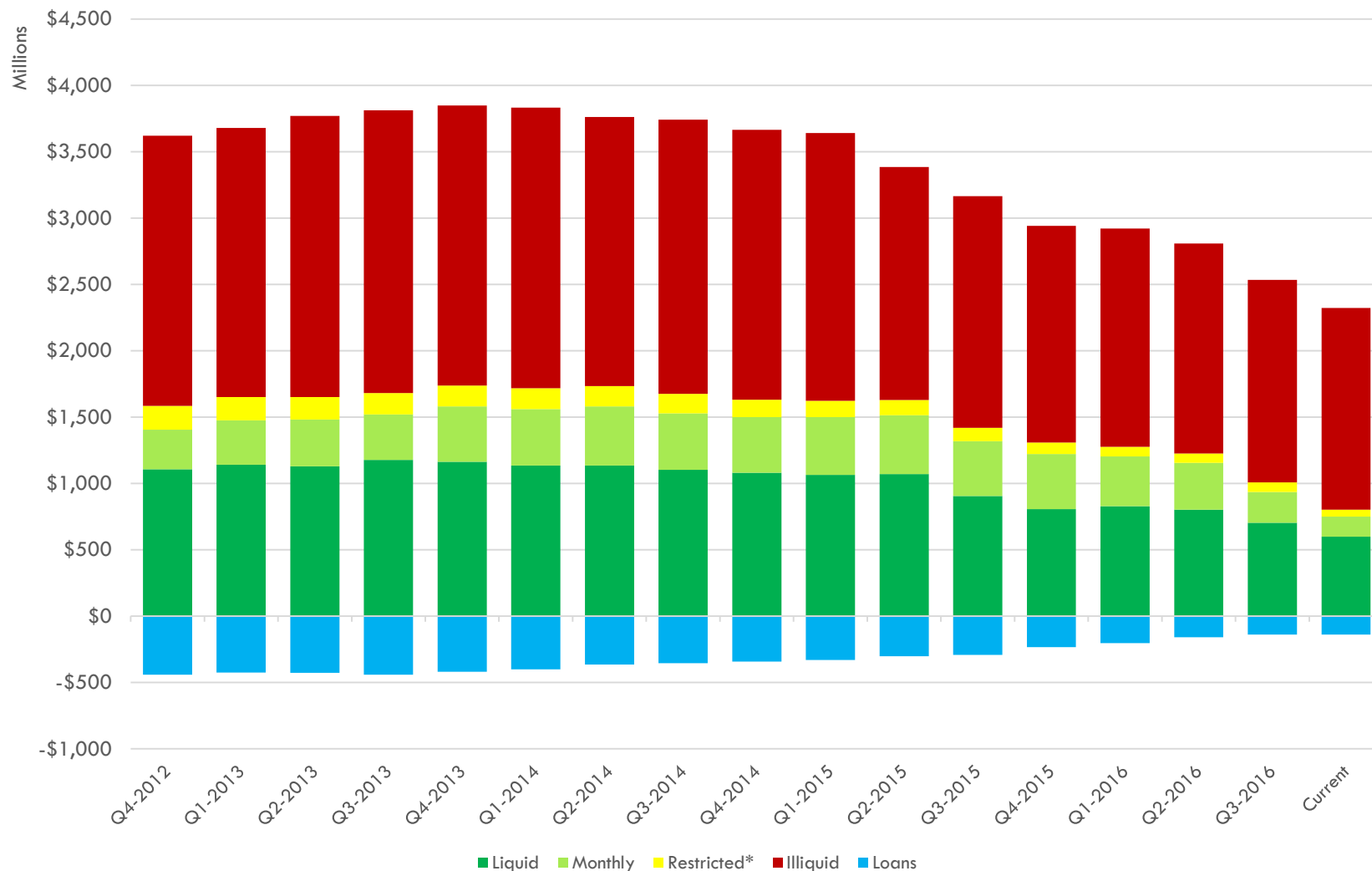
November 30, 2016



* - Assets can be redeemed between monthly and annual basis often with gating, lock-ups or notice of more than 30 days required.

Liquidity History – Investment Value (Quarterly)

November 30, 2016



* - Assets can be redeemed between monthly and annual basis often with gating, lock-ups or notice of more than 30 days required.

TOTAL MONTHLY CAPITAL CALLS & CONTRIBUTIONS			\$2,425,180
Outflows over \$1 m			
JPM Maritime	Capital Call		\$1,217,437
TOTAL MONTHLY DISTRIBUTIONS			\$89,613,623
Inflows over \$1 m			
GMO	Redemption		\$39,000,000
Ashmore EMDF	Redemption		\$20,000,000
Putnam	Redemption		\$15,000,000
LLCP Deep Value	Sale Proceeds		\$9,814,264

* Excludes funding, redemptions and distributions from public equity and public fixed income separate accounts

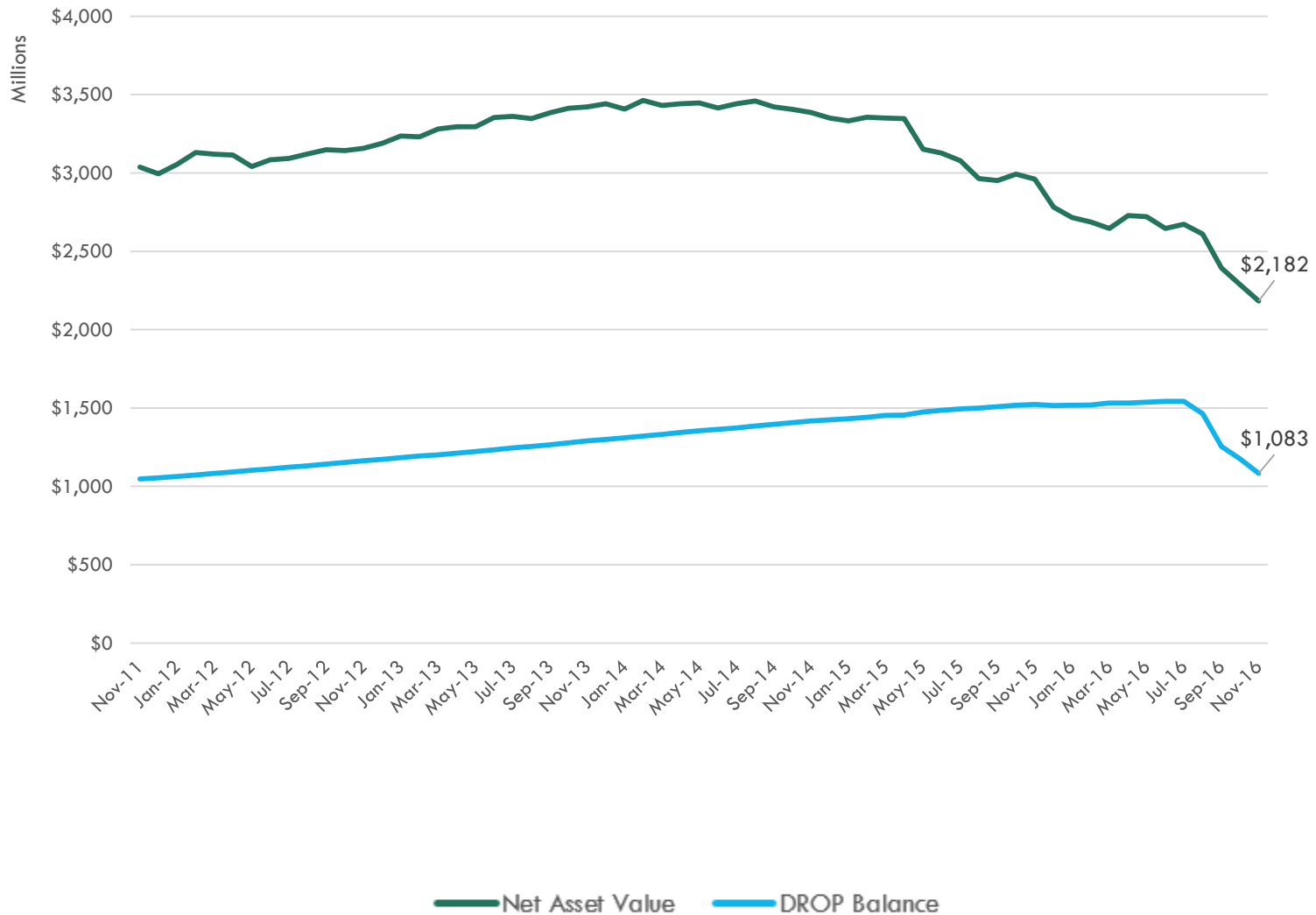
At the November 10, 2016 meeting, the Board approved allowing staff and the consultant, for a six month period ending with the April 13, 2017 Board meeting, to (i) rebalance outside the target ranges set forth in the Investment Policy Statement or (ii) terminate managers for rebalancing purposes, in both situations where prior approval of the Board is not possible.

The following rebalancing for cash flow purposes was implemented in November with the Public Equity asset class allocation below the low end of the target range.

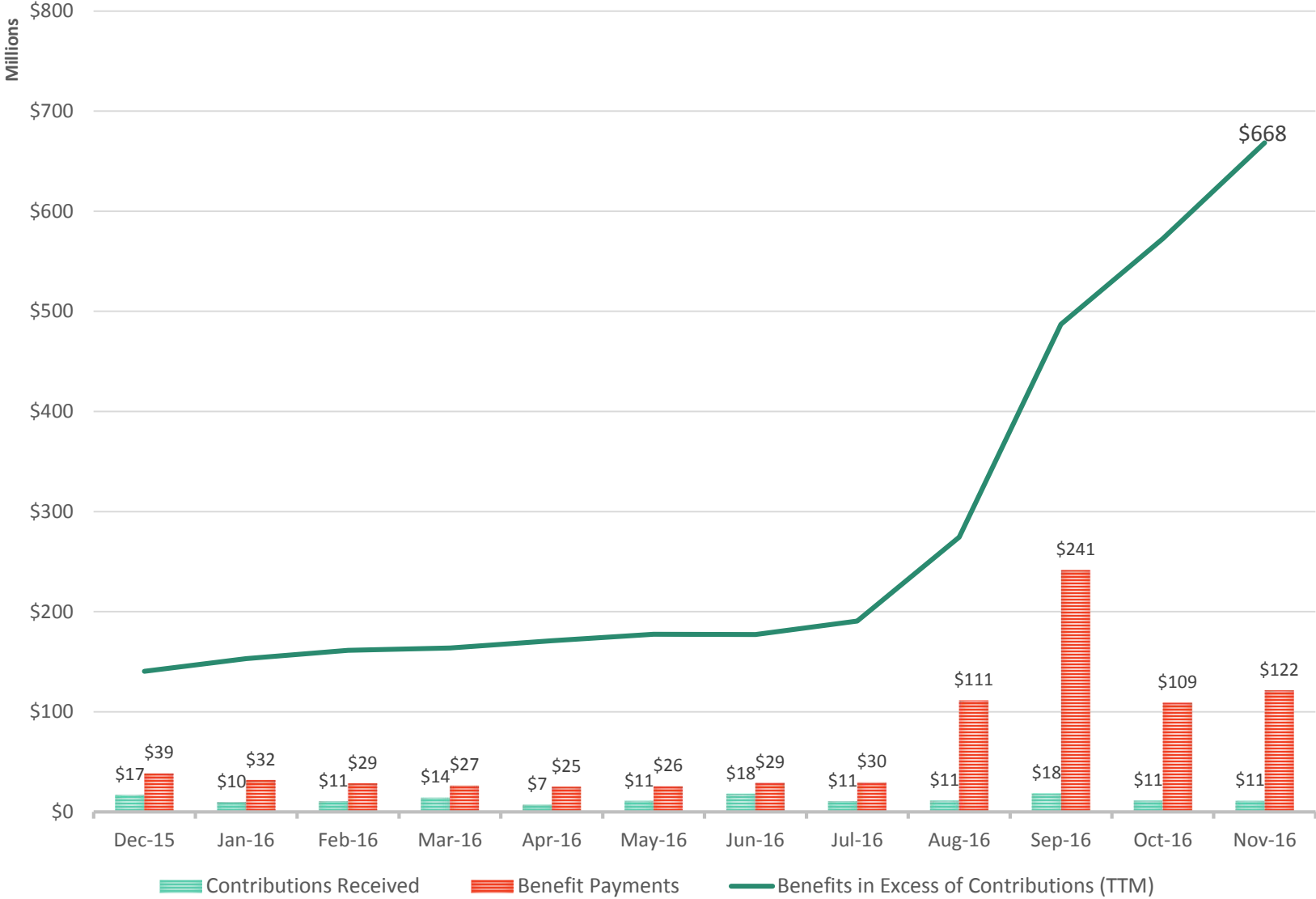
Manager	Asset Class	Amount	Date Redemption Approved
Eagle Asset Management	Public Equity	\$15,000,000	11/16/2016
Mitchell Group	Public Equity	\$15,000,000	11/16/2016
RREFF	Public Equity	\$13,000,000	11/16/2016
Loomis Sayles	High Yield	\$32,000,000	11/16/2016
Putnam	Risk Parity	\$15,000,000	11/16/2016
		\$90,000,000	

Monthly NAV & DROP Balances

October 31, 2016



Trailing 12-month Funding Gap



DROP Balance as % of NAV

In Millions

