

Board of Retirement Regular Meeting

Sacramento County Employees' Retirement System

Agenda Item 9

MEETING DATE: May 17, 2023

SUBJECT: Portfolio Allocation and Rebalancing Report—First Quarter

2023

Deliberation Receive
SUBMITTED FOR: X Consent and Action and File

RECOMMENDATION

Receive and file the quarterly asset allocation and rebalancing report.

PURPOSE

This item complies with the SCERS Master Investment Policy Statement reporting requirements related to the review of SCERS' current asset allocation as it compares to established targets and ranges, and physical and Overlay Program rebalancing activity that occurred during the quarter.

SUMMARY

SCERS employs an Overlay Program, which is managed by State Street Global Advisors (SSGA), to rebalance the asset allocation to policy targets and also invests available cash, in a manner which replicates SCERS' policy target strategic asset allocation.

Below is a summary of SCERS' asset category and asset class positioning relative to the target allocations as of March 31, 2023 (based on State Street market values, which can differ from those of SCERS' investment consultants). The comparisons to the benchmark allocations below, and throughout the memo, are made in two formats: (1) the difference between the actual and target allocation, and (2) the percentage amount of the actual allocation relative to the target allocation.

Asset Category	Asset Class	<u>Current</u> <u>Allocation</u>	Target Allocation	<u>Difference</u>	% Relative to Target
GROWTH*		55.9%	58.0%	-2.1%	96%
	Global Equity	37.5%	40.0%	-2.5%	94%
	Private Equity	13.4%	11.0%	2.4%	122%
	Public Credit	1.7%	2.0%	-0.3%	84%
	Private Credit	3.2%	5.0%	-1.8%	64%
	Growth Absolute Return	0.1%	0.0%	0.1%	N/A
DIVERSIFYING*		22.9%	24.0%	-1.1%	95%
	Fixed Income	14.7%	16.0%	-1.3%	92%
	Absolute Return	7.4%	7.0%	0.4%	105%
	Dedicated Cash	0.8%	1.0%	-0.2%	81%
REAL RETURN**		18.3%	18.0%	0.3%	102%
	Real Estate	9.1%	9.0%	0.1%	101%
	Real Assets	8.3%	7.0%	1.3%	118%
	Liquid Real Return	1.0%	2.0%	-1.0%	48%
OTHER CASH/OVERLAY	Υ	2.8%	0.0%	2.8%	N/A

^{*} Growth and Diversifying allocation weights do not include overlay proxy exposures, which are included in the Overlay allocation

During the first quarter of 2023, the following Overlay Program rebalancing occurred:

- Quarter-end rebalance:
 - Sold \$15 million in Growth proxy
 - Purchased \$20 million in the Diversifying proxy
 - No activity
 - Increased cash allocation by \$5 million

At quarter-end, SCERS only had \$10 million in the Real Return overlay proxy. Given the limited amount of this proxy available for sale (which is a series of commingled funds; not derivatives like the Growth and Diversifying proxies), at the end of the first quarter, SSGA did not trade the Real Return overlay proxy, and instead offset any under/overweights from the Real Return asset category by allocating with a 60%/40% split between the Growth and Diversifying overlay proxies, as instructed within the investment management agreement with SSGA.

Key current portfolio allocations relative to targets, investment activity, and physical rebalancing considerations include:

- **Global Equity** has a 37.5% allocation as of March 31, 2023, which is below the 40% target allocation, but within range.
 - Domestic Equity has an 18.6% allocation as of March 31, 2023, up from a 17.7% allocation as of December 31, 2022. The 18.6% allocation is below the 20% target allocation, but within range.
 - No physical rebalancing is recommended at this time; however, Staff will continue to evaluate physical rebalancing if the allocation gets closer to breaching range limits.

^{**} Real Return allocation includes overlay proxy exposures

- International Equity has a 16.5% allocation as of March 31, 2023, up from a 16.0% allocation as of December 31, 2022. The 16.5% allocation is slightly above the 16% target allocation.
 - No physical rebalancing is recommended at this time.
- Global/Unconstrained has a 2.5% allocation as of March 31, 2023, same as the 2.5% allocation as of December 31, 2022. The 2.5% allocations is below the 4% target allocation.
 - This is a newer sub-asset class and the remaining allocation will be implemented over time.
 - No physical rebalancing is recommended at this time.
- **Fixed Income** has a 14.7% allocation as of March 31, 2023, down slightly from a 14.8% allocation as of December 31, 2022. The 14.7% allocation is below the 16% target allocation, but within range.
 - No physical rebalancing is recommended at this time.
- **Private Equity** has a 13.4% allocation as of March 31, 2023, down meaningfully from a 14.7% allocation as of December 31, 2022. The 13.4% allocation remains above the target allocation of 11%, but within range.
 - A key driver of the overweight has been the sell-off in the public markets relative to private markets in 2022. Private market valuations are lagged a quarter, and they also typically experience a smoothing effect relative to public markets (they are not marketed to market), which has led to inflated private market weightings across most institutional investor portfolios, including Private Equity. The Private Equity overweight has partially subsided as private market valuations have marked negative returns over recent quarters.
 - Cliffwater and Staff incorporated the overweight into going forward commitment pacing for Private Equity.
- Other Alternative Asset Classes have seen their allocations increase due to the sell-off in public markets. Current weights vs. target include:
 - Absolute Return 7.4% vs. 7.0% target
 - o Private Credit 3.2% vs. 5.0% target
 - **Real Assets** 8.3% vs. 7.0% target
 - **Real Estate** 9.1% vs. 9.0% target
- Alternative Assets Activity the following investment activity occurred within SCERS' alternative assets asset classes during the quarter:
 - Absolute Return
 - Fully redeemed from Sculptor Domestic Partners II, LP (\$61 million)
 - Fully redeemed from Two Sigma Risk Premia Enhanced Fund, LP (\$48 million)
 - Private Equity
 - \$35 million commitment to Accel-KKR Capital Partners VII, LP
 - \$30 million commitment to Khosla Ventures VIII, LP
 - \$30 million commitment to Cortec Group VIII, LP
 - Sold positions in HarbourVest VIII (Buyout and Mezzanine) and HarbourVest International VI legacy fund of funds (\$12 million in aggregate)
 - Private Credit
 - None

- Real Assets
 - Additional \$25 million commitment to NGP Royalty Partners II, LP
- Real Estate
 - None

BACKGROUND

The Overlay Program rebalances the asset allocation to policy targets and minimizes the risk that SCERS falls short of achieving its targeted return due to the asset allocation straying from policy target ranges. The Overlay Program also invests available cash, including: (1) unallocated cash; (2) the cash balances in manager portfolios; and (3) cash held for previously committed to, but un-invested private market investments, in a manner which replicates SCERS' policy target strategic asset allocation. The Overlay Program does not invest the 1% dedicated cash allocation.

While SCERS' Overlay Program reduces the need for physical rebalancing, it does not eliminate it, as there are circumstances whereby physical rebalancing would be a better solution compared to the Overlay Program, including when there is a persistently large difference between physical assets and the target allocation.

While physical rebalancing typically costs more to execute compared to the Overlay Program, it remains important to assess whether SCERS' portfolio is at a point where physical rebalancing warrants greater consideration.

The Overlay Program structure replicates SCERS' asset category targets (Growth; Diversifying; Real Return), with bands around these targets (see below). The rebalancing methodology that SSGA utilizes is quarterly rebalancing with bands, where rebalancing occurs on a quarterly basis (at the end of a quarter), unless the bands are breached on an intra-quarter basis, in which case rebalancing occurs upon the breach of a band.

Asset Category	Minimum Allocation (%)	Target Allocation (%)	Maximum Allocation (%)
Growth	53	58	63
Diversifying	21	24	27
Cash	0	1	2
Real Return	16	18	20

Each asset category has a separate overlay proxy, which contains a mixture of investments that attempt to replicate the objectives and exposures of the asset category and the underlying asset classes within the asset category, in order to minimize tracking error and costs.

The underlying components of each asset category overlay proxy are shown at the end of this report (Appendix B).

Because SCERS' Overlay Program rebalances SCERS' total fund, it is important to note that **Tables 1-15** in Appendix A refer only to physical holdings compared to policy targets, and not the exposures provided through the Overlay Program. The exception is Table 11 (Real Return asset category exposure), which includes the SSGA Real Return Strategy within the Liquid Real Return asset class, which is the Overlay proxy for this asset category, and is implemented through physical exposures (commingled funds).

SCERS' investment staff and general investment consultant, Verus Advisory, monitor the asset allocation on a quarterly basis and update the Board if the asset allocation moves outside of policy ranges and conditions warrant physical rebalancing.

FULL PORTFOLIO REVIEW

GROWTH ASSET CATEGORY:

The Growth asset category is comprised of the Global Equity, Private Equity, Public Credit, and Private Credit segments of the portfolio. The Growth Absolute Return segment was eliminated from the SAA and is close to being wound down. As outlined in **Table 1 of Appendix A**, the Growth asset category currently has an allocation of 55.9%, which is lower than the strategic asset allocation's target of 58%, and the allocation is 96% relative to the target allocation. At a more granular level, the Private Equity exposure is above target while the remaining asset classes are below target.

The Overlay Program rebalances the Growth asset category to the 58% target allocation by purchasing or selling global equity futures to bring the Global Equity asset class to its target allocation, and then adjusts the remainder of the asset category by using a combination of 88% global equity futures and 12% U.S. Treasury futures.

At the end of the quarter, SCERS' overlay manager, SSGA, sold approximately \$15 million of overlay proxy exposure to rebalance the Growth asset category to its target allocation.

Global Equities:

As outlined in **Table 2**, SCERS' Global Equity asset class, which includes the sub-asset classes of Domestic Equity, International Equity, and Global/Unconstrained Equity, has an actual weighting of 37.5%, which is below SCERS' policy target allocation of 40% but within range, and the allocation is 94% relative to the target allocation.

At the sub-asset class level, Domestic Equity has an actual allocation of 18.6%, which is below its target allocation of 20% (93% relative to the target). No physical rebalancing is recommended at this time; however, Staff will continue to evaluate physical rebalancing if the allocation gets closer to breaching range limits.

International Equity has an actual allocation of 16.5%, which is slightly higher than the target allocation of 16% (103% relative to the target).

The newly formed Global/Unconstrained segment has a 2.5% allocation, which is below the 4% target allocation (61% relative to target). This is a newer sub-asset class and the remaining allocation will be implemented over time.

SSGA buys and sells a basket of global equity index futures to rebalance the Global Equity asset class toward the policy target allocation.

Private Equity:

As outlined in **Table 3**, SCERS' Private Equity allocation of 13.4% remains above the target allocation of 11%, but within range. The allocation is 122% relative to the target allocation.

A key driver of the overweight has been the sell-off in the public markets relative to private markets in 2022. Private market valuations are lagged a quarter, and they also typically experience a smoothing effect relative to public markets (they are not marketed to market), which has led to inflated private market weightings across most institutional investor portfolios, including Private Equity. The Private Equity overweight has partially subsided as private market valuations have marked negative returns over recent quarters. Cliffwater and Staff incorporated the overweight into going forward commitment pacing for Private Equity.

SSGA utilizes a basket of 88% global equities and 12% U.S. Treasuries to replicate Private Equity, as part of a broader non-public equity proxy within the Growth asset category.

Public Credit:

As outlined in **Table 4**, SCERS' Public Credit allocation of 1.7% is slightly below the policy target allocation of 2%, and the allocation is 84% relative to the target allocation. SSGA utilizes a basket of 88% global equities and 12% U.S. Treasuries to replicate Public Credit, as part of a broader non-public equity proxy within the Growth asset category.

Private Credit:

As outlined in **Table 5**, SCERS' Private Credit allocation of 3.2% is below the revised policy target allocation of 5%, and the allocation is 64% relative to the target allocation. Private credit valuations are lagged a quarter. The commitment schedule and cash flow forecast of Private Credit investments projects SCERS achieving and maintaining the policy target in 2024.

SSGA utilizes a basket of 88% global equities and 12% U.S. Treasuries to replicate Private Credit, as part of a broader non-public equity proxy within the Growth asset category.

Growth Absolute Return:

As outlined in **Table 6**, SCERS' Growth Absolute Return portfolio has a current allocation of 0.1%. The Growth Absolute Return Portfolio was eliminated from the revised SAA, and SCERS has nearly unwound the exposures within this portfolio. The small remaining allocation will be unwound in 2023.

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DIVERSIFYING ASSET CATEGORY:

The Diversifying asset category is comprised of the Fixed Income and Diversifying Absolute Return (renamed Absolute Return) segments of the portfolio, as well as the dedicated cash allocation. As outlined in **Table 7**, the Diversifying asset category currently has an allocation of 22.9%, which is below the strategic asset allocation's target of 24%, and the allocation is 95% relative to the target allocation.

The Overlay Program rebalances the Diversifying asset category to the target allocation by purchasing or selling U.S. government bond futures.

At the end of the quarter, SCERS' overlay manager, SSGA, purchased approximately \$20 million of overlay proxy exposure to rebalance the Diversifying asset category to its target allocation.

Fixed Income:

As outlined in **Table 8**, SCERS' Fixed Income allocation of 14.7% is below SCERS' policy target allocation of 16%, and the allocation is 92% relative to the target allocation.

The Overlay Program utilizes a combination of U.S. Treasury futures and Mortgage TBAs to rebalance this segment of the portfolio to its policy target allocation, as part of a broader Diversifying asset category proxy. No physical rebalancing is recommended at this time.

Absolute Return:

As outlined in **Table 9**, SCERS' Absolute Return allocation of 7.4% is slightly above the policy target allocation of 7%, and the allocation is 105% relative to the target allocation.

SSGA utilizes a combination of U.S. Treasury futures and Mortgage TBAs to rebalance this segment of the portfolio to its policy target allocation, as part of a broader Diversifying asset category proxy.

REAL RETURN ASSET CATEGORY:

The Real Return asset category is comprised of the Real Estate, Real Assets, and Liquid Real Return segments of the portfolio. As outlined below in **Table 11**, the Real Return asset category currently has an allocation of 18.3%, which is slightly above the strategic asset allocation's target of 18%, and the allocation is 102% relative to the target allocation.

The Overlay Program rebalances the Real Return asset category to the 18% target allocation through the SSGA real return overlay proxy, by purchasing or selling a series of commingled funds across global REITs, global infrastructure stocks, global natural resource stocks, commodities, U.S. TIPS, and floating rate notes.

At quarter-end, SCERS only had \$10 million in the Real Return overlay proxy. Given the limited amount of this proxy available for sale (which is a series of commingled funds; not derivatives like the Growth and Diversifying proxies), at the end of the first quarter, SSGA did not trade the Real Return overlay proxy, and instead offset any under/overweights from the Real Return asset category by allocating with a 60%/40% split between the Growth and Diversifying overlay proxies, as instructed within the investment management agreement with SSGA.

Real Estate:

As outlined in **Table 12**, SCERS' Real Estate allocation of 9.1% is slightly above the policy target allocation of 9%, and the allocation is 101% relative to the target allocation.

SSGA utilizes a series of listed commingled funds described above to replicate Real Estate, as part of the broader Real Return asset category proxy.

Real Assets:

As outlined in **Table 13**, SCERS' Real Assets allocation of 8.3%, is slightly above the policy target allocation of 7%, and the allocation is 118% relative to the target allocation. Private real asset valuations are lagged a quarter.

Real Assets has experienced a meaningful increase in its allocation in 2022, similar to other private market asset classes, which has brought the weighting to and beyond the target allocation rather quickly.

SSGA utilizes a series of listed commingled funds described above to replicate Real Assets, as part of the broader Real Return asset category proxy.

Liquid Real Return:

As outlined in **Table 14**, SCERS' Liquid Real Return allocation of 1.0% is below the policy target allocation of 2%, and the allocation is 48% relative to the target allocation. The Liquid Real Return allocation is split between a strategic active mandate managed by Brookfield Asset Management and the SSGA Real Return Overlay proxy. The latter is used to adjust broad Real Return asset category exposures during quarterly overlay rebalancing, and accounts for the underweight to the segment.

CASH:

As outlined in **Tables 10 and 15**, SCERS' total cash balance is approximately 3.0% (as of March 31, 2023), which includes a combination of the 0.8% dedicated cash allocation and 2.2% in other cash. The dedicated cash allocation of 0.8% is 81% relative to the 1% target allocation.

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The dedicated cash allocation is intended to close the gap between benefit payments and total contributions in an environment where investment earnings fall short of the targeted assumed rate of return, and also serves as an emergency source of cash during a market dislocation.

Most of the 2.2% other cash allocation incorporates the 2022-23 pre-funded annual employer contribution. The other cash allocation is also used to fund drawdowns within the private markets segments of the portfolio. SCERS' Overlay Program rebalances the portfolio by eliminating cash drag by investing the non-dedicated cash allocation (2.2%) into positions that replicate SCERS' target portfolio.

ATTACHMENTS

- Board Order
- Appendix A: Quarterly Portfolio Allocation and Rebalancing Detail
- Appendix B: SCERS Overlay Proxies

Reviewed by:
/S/
Eric Stern Chief Executive Officer



Retirement Board Order

Sacramento County Employees' Retirement System

Before the Board of Retirement May 17, 2023

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Portfolio Allocation and Rebalancing Report—First Quarter 2023

THE BOARD OF RETIREMENT hereby approves Staff's recommendation to receive and file the Portfolio Allocation and Rebalancing Report - First Quarter 2023.

I HEREBY CERTIFY that the above order was passed and adopted on May 17, 2023 by the following vote of the Board of Retirement, to wit:

Board President	Chief Executive Officer and Board Secretary
Keith DeVore	Eric Stern
ALTERNATES (Present but not voting):	
ABSTAIN:	
ABSENT:	
NOES:	
AYES:	

APPENDIX A: Quarterly Portfolio Allocation and Rebalancing Detail (as of March 31, 2023)

						% Relative
Fund Name		Market Value	Actual	Target	Delta	to Target
Total Fund		\$12,170,209,950				
Table 1: GROWTH ASSET CATEGORY						0/ Deletion
		Market Value	Actual	Target	Delta	% Relative to Target
GROWTH ASSET CATEGORY:		\$6,798,430,108	55.9%	58.0%	-2.1%	96%
GROWTH ASSET CATEGORY.		\$6,796,430,106	33.3 %	30.0%	-2.170	90%
Table 2: Global Equity Asset Class	Alle	owable Range: 36-4	4%			
						% Relative
Global Equity	Sub-Asset Class	Market Value	Actual	Target	Delta	to Target
Clobal Equity	oub About Glass	\$4,567,334,250	37.5%	40.0%	-2.5%	94%
		+ 1,001,001,000	011070	101070		5.7,0
		Market Value	Actual	Target	Delta	to Target
	Domestic Equity	\$2,259,819,681	18.6%	20.0%	-1.4%	93%
AllianceBernstein	Equity Core Index	\$1,134,854,596	9.3%			
JP Morgan 130/30	Equity Core Active Short Extension (130/30)	\$155,881,532	1.3%			
DE Shaw Broad Market Core Alpha Extension	Equity Core Active Short Extension (130/30)	\$151,691,311	1.2%			
Eagle Capital Management	Equity Large Cap Core	\$296,245,449	2.4%			
AQR US Enhanced Equity	Equity Systematic Multi-Factor Core	\$311,887,081	2.6%			_
	Equity Large Cap		16.8%	18.0%	-1.2%	
Snyder Capital Management	Equity Small Cap Value	\$116.710.894	1.0%			
Weatherbie & Co.	Equity Small Cap Value Equity Small Cap Growth	\$92.548.819	0.8%			
weatherble & Co.	Equity Small Cap Growth Equity Small Cap	\$92,546,619	1.7%	2.0%	-0.3%	=
	Equity Offiair Oap		1.7 70	2.070	-0.570	
						% Relative
		Market Value	Actual	Target	Delta	to Target
	International Equity	\$2,009,322,349	16.5%	16.0%	0.5%	103%
Lazard Asset Management	ACWI Ex-US	\$316,789,982	2.6%			
LSV Large Cap International Value						
	International Equity Large Cap Value	\$466,632,505	3.8%			
Walter Scott	International Equity Large Cap Value International Equity Large Cap Growth	\$466,632,505 \$486,598,530	3.8% 4.0%			
William Blair & Co.	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth	\$466,632,505 \$486,598,530 \$95,727,095	3.8% 4.0% 0.8%			
	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value	\$466,632,505 \$486,598,530	3.8% 4.0% 0.8% 0.8%			_
William Blair & Co.	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth	\$466,632,505 \$486,598,530 \$95,727,095	3.8% 4.0% 0.8%	11.2%	0.8%	_
William Blair & Co. SSGA EM SWAP Interim Solution	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644	3.8% 4.0% 0.8% 0.8% 12.0%	11.2%	0.8%	-
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673	3.8% 4.0% 0.8% 0.8% 12.0%	11.2%	0.8%	-
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford ARGA Emerging Markets Equity Fund	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673 \$179,022,370	3.8% 4.0% 0.8% 0.8% 12.0% 1.6% 1.5%	11.2%	0.8%	-
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673	3.8% 4.0% 0.8% 0.8% 12.0%	11.2%	0.8%	-
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford ARGA Emerging Markets Equity Fund	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673 \$179,022,370	3.8% 4.0% 0.8% 0.8% 12.0% 1.6% 1.5% 1.4%			-
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford ARGA Emerging Markets Equity Fund	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673 \$179,022,370 \$175,587,550	3.8% 4.0% 0.8% 0.8% 12.0% 1.6% 1.5% 1.4% 4.5%	4.8%	-0.3%	% Relative
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford ARGA Emerging Markets Equity Fund	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673 \$179,022,370 \$175,587,550	3.8% 4.0% 0.8% 0.8% 12.0% 1.6% 1.5% 4.5%	4.8% Target	-0.3% Delta	to Target
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford ARGA Emerging Markets Equity Fund Oaktree Emerging Markets Equity Fund	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap Emerging Markets	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673 \$179,022,370 \$175,587,550 Market Value \$298,192,220	3.8% 4.0% 0.8% 0.8% 12.0% 1.6% 1.5% 4.5% Actual 2.5%	4.8%	-0.3%	
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford ARGA Emerging Markets Equity Fund Oaktree Emerging Markets Equity Fund Nikko Asset Management CIT	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap Emerging Markets Global/Unconstrained Equity Global Equity	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673 \$179,022,370 \$175,587,550 Market Value \$298,192,220 \$117,600,000	3.8% 4.0% 0.8% 0.8% 12.0% 1.6% 1.5% 4.5% Actual 2.5% 1.0%	4.8% Target	-0.3% Delta	to Target
William Blair & Co. SSGA EM SWAP Interim Solution Baillie Gifford ARGA Emerging Markets Equity Fund Oaktree Emerging Markets Equity Fund	International Equity Large Cap Value International Equity Large Cap Growth International Equity Small Cap Growth International Equity Small Cap Value International Developed Emerging Markets Equity - All Cap Emerging Markets	\$466,632,505 \$486,598,530 \$95,727,095 \$96,383,644 \$192,580,673 \$179,022,370 \$175,587,550 Market Value \$298,192,220	3.8% 4.0% 0.8% 0.8% 12.0% 1.6% 1.5% 4.5% Actual 2.5%	4.8% Target	-0.3% Delta	to Target

Table 3: Private Equity Asset Class		Allowable Range: 8-14	4%			0/ 5 1 //
Private Equity	Sub-Strategy	Market Value	Actual	Target	Delta	% Relative to Target
Accel-KKR Capital Partners IV, LP	Buyout	\$1,627,672,188 \$0	13.4% 0.0%	11.0%	2.4%	122%
Accel-KKR Capital Partners V, LP	Buyout	\$28,898,676	0.2%			
Accel-KKR Capital Partners VI, LP	Buyout	\$17,357,313	0.1%			
Accel-KKR Capital Partners VII, LP	Buyout	\$0	0.0%			
Accel-KKR Growth Capital Partners II, LP	Buyout	\$10,647,385	0.1%			
Accel-KKR Growth Capital Partners III, LP	Buyout	\$29,000,478	0.2%			
Accel-KKR Growth Capital Partners IV, LP	Buyout	\$7,007,581	0.1%			
Cortec Group Fund VII, LP	Buyout	\$30,191,097	0.0%			
Cortec Group Fund VIII, LP	Buyout	\$0	0.0%			
Gridiron Capital Fund IV, LP	Buyout	\$48,036,561	0.4%			
H.I.G. Capital Partners V, LP	Buyout	\$9,426,609	0.1%			
Linden Capital Partners III, LP	Buyout	\$41,499,927	0.3%			
Linden Capital Partners IV, LP	Buyout	\$47,796,166	0.4%			
Linden Capital Partners V, LP	Buyout	\$7,281,367	0.1%			
Marlin Equity Partners IV, LP	Buyout	\$10,230,191	0.1%			
Marlin Equity Partners V, LP	Buyout Buyout	\$29,611,746	0.2% 0.2%			
Marlin Heritage Europe, LP		\$20,954,017	0.2%			
Marlin Heritage, LP Marlin Heritage II, LP	Buyout Buyout	\$4,842,955 \$14,126,408	0.0%			
Marlin Heritage III, L.P.	Buyout		0.1%			
Oaktree Power Opportunities Fund VI, LP	Buyout	\$610,966 \$6,582,448	0.0%			
Shamrock Capital Growth Fund V, LP			0.1%			
Thoma Bravo Fund XI, LP	Buyout Buyout	\$12,602,695 \$33,522,642	0.1%			
Thoma Bravo Fund XII, LP	Buyout	\$28,606,572	0.3%			
Thoma Bravo Fund XIII, LP	Buyout	\$65,690,189	0.2%			
TSG 7 A, LP	Buyout	\$20,844,515	0.3%			
TSG 7 B, LP	Buyout	\$4,410,997	0.0%			
TSG 8, LP	Buyout	\$33,212,535	0.3%			
TSG 8, LP	Buyout	\$1,346,628	0.0%			
Wynnchurch Capital Partners V, LP	Buyout	\$15,505,982	0.1%			
H.I.G. Europe Capital Partners II, LP	European Buyout	\$9,834,061	0.1%			
Waterland Private Equity Fund V, CV	European Buyout	\$1,366,582	0.0%			
Waterland Private Equity Fund VI, CV	European Buyout	\$21,551,606	0.2%			
RRJ Capital Master Fund II, LP	Asian Buyout/Special Situations	\$7,553,867	0.1%			
RRJ Capital Master Fund III, LP	Asian Buyout/Special Situations	\$8,587,875	0.1%			
Shamrock Capital Content Fund II, L.P.	Growth Equity	\$12,602,695	0.1%			
Shamrock Capital Content Fund III, L.P.	Growth Equity	\$312,636	0.0%			
Spectrum Equity Investors VII, LP	Growth Equity	\$43,159,073	0.4%			
Spectrum Equity Fund VIII, LP	Growth Equity	\$26,130,799	0.2%			
Spectrum Equity Fund IX, L.P.	Growth Equity	\$19,570,460	0.2%			
Spectrum Equity X, L.P.	Growth Equity	\$0	0.0%			
Summit Partners VC Fund III, LP	Growth Equity	\$3,023,947	0.0%			
Summit Partners Venture Capital Fund IV, LP	Growth Equity	\$50,836,582	0.4%			
Summit Partners Venture Capital V, L.P.	Growth Equity	\$10,412,845	0.1%			
Summit Partners Europe Growth Equity Fund II, LP	European Growth Equity	\$34,654,871	0.3%			
Summit Partners Europe Growth Equity Fund III, L.P. Canvas 3, L.P.	European Growth Equity Venture Capital	\$13,764,969 \$12,277,140	0.1% 0.1%			
CRV XVIII, L.P.	Venture Capital	\$13,277,140 \$18,849,263	0.1%			
CRV XIX, LP	Venture Capital	\$2,569,339	0.2%			
CRV Select II, LP	Venture Capital	\$5,168,188	0.0%			
Khosla Ventures IV, LP	Venture Capital	\$16,313,614	0.1%			
Khosla Ventures V, L.P.	Venture Capital	\$39,795,583	0.3%			
Khosla Ventures VI, L.P.	Venture Capital	\$54,432,877	0.4%			
Khosla Ventures VII, L.P.	Venture Capital	\$13,791,310	0.1%			
Khosla Ventures VIII, L.P.	Venture Capital	\$0	0.0%			
New Enterprise Associates 14, LP	Venture Capital	\$37,846,346	0.3%			
New Enterprise Associates 15, LP	Venture Capital	\$35,355,426	0.3%			
New Enterprise Associates 16, LP	Venture Capital	\$40,019,233	0.3%			
New Enterprise Associates 17, LP	Venture Capital	\$21,664,621	0.2%			
OrbiMed Private Investments VIII, L.P.	Venture Capital	\$7,754,028	0.1%			
OrbiMed Private Investments IX, L.P.	Venture Capital	\$1,250,000	0.0%			
Threshold Ventures III, LP	Venture Capital	\$30,370,150	0.2%			
Threshold Ventures IV, LP	Venture Capital	\$2,725,000	0.0%			
Trinity Ventures XI, LP	Venture Capital	\$47,675,685	0.4%			
Trinity Ventures XII, LP	Venture Capital	\$60,579,719	0.5%			
Atalaya Special Opportunities Fund V, LP	Distressed Debt	\$805,675	0.0%			
Atalaya Special Opportunities Fund VI, LP	Distressed Debt	\$2,256,052	0.0%			
Davidson Kempner Distressed Opportunities Fund III, LP	Distressed Debt	\$14,374,076	0.1%			
Davidson Kempner Distressed Opportunities Fund IV, LP	Distressed Debt	\$30,653,211	0.3%			
Garrison Opportunity Fund III, LP	Distressed Debt	\$2,367,500	0.0%			
H.I.G. Bayside Loan Opportunity III (Europe), LP	Distressed Debt	\$4,292,255	0.0%			
Strategic Value Special Situations Fund V, L.P.	Distressed Debt	\$16,021,626	0.1%			
TPG Opportunities Partners III, LP	Distressed Debt	\$8,930,644	0.1%			
TSSP Opportunities Partners IV, LP	Distressed Debt	\$29,998,672 \$8,346,128	0.2%			
Sixth Street Opportunities Partners V, L.P.	Distressed Debt	\$8,346,128 \$3,114,808	0.1% 0.0%			
Wayzata Opportunities Fund III, LP Golden Capital Co-Investments, LP	Distressed Debt Co-Investments	\$3,114,898 \$7,440,000	0.0%			
Dyal Capital Partners II, LP	Other	\$7,440,000 \$32,676,190	0.1%			
Dyal Capital Partners III, LP	Other	\$32,676,190 \$25,247,416	0.3%			
Abbott Capital ACE VI	Fund of Funds	\$29,555,788	0.2%			
Goldman Sachs PEP X	Fund of Funds Fund of Funds	\$29,555,766 \$18,975,703	0.2%			
Harbourvest Partners Intl VI	Fund of Funds Fund of Funds	\$16,975,703 \$22,189,051	0.2%			
HarbourVest Partners VIII	Fund of Funds	\$6,040,401	0.2%			
RCP Multi-Fund Feeder (SCERS), L.P.	Fund of Funds	\$71,741,867	0.6%			
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Table 4: Public Credit Asset Class				_		% Relativ
Public Credit	Sub-Strategy	Market Value \$208,006,125	Actual 1.7%	Target 2.0%	-0.3%	to Targe
Brigade Capital SC Opportunities Mandate	Public Credit	\$208,006,125	1.7%	2.0%	-0.3 //	04 //
Fable F. Drivete Credit Accet Class		Allewahla Banna 2 3	70/			
Table 5: Private Credit Asset Class		Allowable Range: 3-7	7%			% Relativ
Private Credit	Sub-Strategy	Market Value	Actual	Target	Delta	to Targe
		\$386,661,640	3.2%	5.0%	-1.8%	64%
Ares Capital Europe Fund V, LP	Direct Lending	\$30,905,098	0.3%			
Benefit Street Partners Senior Opportunities Fund, LP	Direct Lending	\$26,641,459	0.2%			
Benefit Street Partners Senior Opportunities Fund II, LP	Direct Lending	\$30,715,538	0.3%			
Brookfield Infrastructure Debt Fund III, LP	Direct Lending	\$12,151,958	0.1%			
FM U.S. Infrastructure Debt Fund, LP	Direct Lending	\$37,066,310	0.3%			
Shamrock Capital Debt Opportunities Fund I, LP	Direct Lending	\$4,217,806	0.0%			
Summit Partners Credit Fund, LP	Direct Lending	\$403,948	0.0%			
Summit Partners Credit Fund II, LP	Direct Lending	\$11,653,770	0.1%			
Summit Partners Credit Fund III, LP	Direct Lending	\$16,749,634	0.1%			
Summit Partners Credit Fund IV, LP	Direct Lending	\$14,472,185	0.1%			
Tennenbaum Capital Partners Direct Lending Fund VIII (S), LLC	Direct Lending	\$107,631,151	0.9%			
Athyrium Opportunities Fund II, LP	Healthcare Opportunistic Lending	\$8,768,221	0.1%			
Athyrium Opportunities Fund III, LP	Healthcare Opportunistic Lending	\$10,758,006	0.1%			
OrbiMed Royalty and Credit Opportunities Fund III, LP	Healthcare Opportunistic Lending	\$16,338,271	0.1%			
OrbiMed Royalty & Credit Opportunities IV, LP	Healthcare Opportunistic Lending	\$6,000,000	0.0%			
MCP Private Capital Fund IV, SCSp	Opportunistic Lending	\$21,477,607	0.2%			
Silver Point Specialty Credit Fund II, L.P.	Opportunistic Lending	\$28,734,799	0.2%			
Silver Point Specialty Credit Fund III, L.P.	Opportunistic Lending	\$1,975,879	0.2%			
onto it one opoolally order i und III, L.F.	Opportunistic Lending	ψ1,313,013	0.070			
Table 6: Growth Absolute Return Asset Class		Allowable Range: 09	%			
						% Relati
Growth Absolute Return	Sub-Strategy	Market Value	Actual	Target	Delta	to Targ
00405 0 # 0 :	D: :5 10 1 1	\$8,755,906	0.1%	0.0%	0.1%	N/A
Grosvenor SCARF - Growth Series	Diversified Separate Account	\$8,755,906	0.1%			
Table 7: DIVERSIFYING ASSET CATEGORY						
Table 1. DIVERSII TING ASSET CATEGORT						9/ Poloti
Table 7. DIVERSII TING ASSET GATEGORT		Market Value	Actual	Toract	Dolto	
		Market Value	Actual	Target	Delta	to Targe
		Market Value \$2,786,289,838	Actual 22.9%	Target 24.0%	Delta -1.1%	
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class			22.9%			
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class		\$2,786,289,838 Allowable Range: 12-2	22.9%	24.0%	-1.1%	to Targe 95% % Relati
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class	Sub-Strategy	\$2,786,289,838 Allowable Range: 12-2 Market Value	22.9% 20% Actual	24.0% Target	-1.1% Delta	to Targe 95% % Relati to Targe
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income		\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219	22.9% 20% Actual 14.7%	24.0% Target 16.0%	-1.1%	to Targ 95% % Relati
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income	Sub-Strategy Core Plus Active Fixed Income	\$2,786,289,838 Allowable Range: 12-2 Market Value	22.9% 20% Actual	24.0% Target	-1.1% Delta	to Targ 95% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management		\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219	22.9% 20% Actual 14.7%	24.0% Target 16.0%	-1.1% Delta	to Targ 95% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management	Core Plus Active Fixed Income	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770	22.9% 20% Actual 14.7% 2.8%	24.0% Target 16.0% 3.0%	-1.1% Delta	to Targ 95% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income Prudential Investment Management FCW Brandywine U.S. Fixed Income	Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923	22.9% 20% Actual 14.7% 2.8% 2.8%	Target 16.0% 3.0% 3.0%	-1.1% Delta	to Targ 95% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income Prudential Investment Management FCW Brandywine U.S. Fixed Income	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050	22.9% 20% Actual 14.7% 2.8% 2.8% 2.7%	Target 16.0% 3.0% 3.0% 3.0%	-1.1% Delta	to Targ 95% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income Prudential Investment Management FCW Brandywine U.S. Fixed Income Reams	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385	22.9% 20% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 12.0%	-1.1% Delta -1.3%	to Targ 95% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050	22.9% 20% Actual 14.7% 2.8% 2.8% 2.7% 2.9%	Target 16.0% 3.0% 3.0% 3.0% 3.0%	-1.1% Delta -1.3%	to Targ 95% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management CW Brandywine U.S. Fixed Income Reams	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 12.0%	-1.1% Delta -1.3%	to Targ 95% % Relati to Targ 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams Neuberger Berman Fable 9: Absolute Return Asset Class	Core Plus Active Fixed Income Core Plus US Treasuries	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-9	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targing 95% % Relatito Targing 92% % Relatito Targing 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams Neuberger Berman Fable 9: Absolute Return Asset Class	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relati to Targ 92% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income Prudential Investment Management FCW Brandywine U.S. Fixed Income Reams Neuberger Berman Fable 9: Absolute Return Asset Class	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relati to Targ 92% % Relati to Targ
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams Neuberger Berman Fable 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income Prudential Investment Management FCW Brandywine U.S. Fixed Income Reams Reale 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-9 Market Value \$896,862,820 \$222,942,754 \$1,316,496	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management CW Srandywine U.S. Fixed Income Reams Neuberger Berman Table 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Tudor BVI Global Fund Ltd	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-9 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Prudential Investment Management CW Brandywine U.S. Fixed Income Reams Neuberger Berman Table 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Tisler Capital Fund, LP Tudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams Reams Published 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-9 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams Reams Reluberger Berman Fable 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Event Driven Event Driven	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.4% 0.6%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management CW Brandywine U.S. Fixed Income Reams Neuberger Berman Table 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Tudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.4% 0.6% 0.5%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management CW Brandywine U.S. Fixed Income Reams Neuberger Berman Table 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Tudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Event Driven Event Driven	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.4% 0.6%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Prudential Investment Management CW Brandywine U.S. Fixed Income Reams Neuberger Berman Fable 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP PSquared Event Opportunity Fund, L.P.	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.4% 0.6% 0.5%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams Published 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. Aristeia Partners, L.P.	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Event Driven	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-5 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100	22.9% 20% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.4% 0.6% 0.5% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Fable 8: Fixed Income Asset Class Fixed Income Prudential Investment Management Town CW Town Town Carry Fixed Income Reams Reabel 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP PSquared Event Opportunity Fund, L.P. Aristeia Partners, L.P. LMR Fund Ltd	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,733,005	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.5% 0.4% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class Fixed Income Prudential Investment Management TCW Brandywine U.S. Fixed Income Reams Neuberger Berman Table 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP PSquared Event Opportunity Fund, L.P. Airsteia Partners, L.P. MR Fund Ltd Laurion Capital Management, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,373,005 \$60,524,952	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 0.0% 0.4% 0.4% 0.6% 0.5% 0.4% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
Prudential Investment Management CW Brandywine U.S. Fixed Income Reams Reuberger Berman Fable 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP PSquared Event Opportunity Fund, L.P. Aristeia Partners, L.P. MR Fund Ltd Laurion Capital Management, LP Two Sigma Risk Premia Enhanced Fund, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage Alternative Risk Premia	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,373,005 \$60,524,952 \$47,990,880	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.6% 0.5% 0.4% 0.4% 0.4% 0.4% 0.5% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 100% % Relat to Targ 100% % Relat to Targ
Prudential Investment Management ToW Brandywine U.S. Fixed Income Prudential Investment Management ToW Brandywine U.S. Fixed Income Reams Release Berman Fable 9: Absolute Return Asset Class Absolute Return Grosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fundor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. Aristeia Partners, L.P. MR Fund Ltd Laurion Capital Management, LP Graham Tactical Trend Fund , L.P. Graham Tactical Trend Fund , L.P. Graham Tactical Trend Fund , L.P.	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-9 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,373,005 \$60,524,952 \$47,990,880 \$49,180,506	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 0.0% 0.4% 0.4% 0.6% 0.5% 0.4% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
Prudential Investment Management CW Prudential Investment Management CW Prudential Investment Management CW Reams Neuberger Berman Table 9: Absolute Return Asset Class Absolute Return Brosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fudor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP PSquared Event Opportunity Fund, L.P. Airsteia Partners, L.P. MR Fund Ltd .aurion Capital Management, LP Two Sigma Risk Premia Enhanced Fund, LP Graham Tactical Trend Fund , L.P. Sculptor Domestic Partners II, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage Alternative Risk Premia Systematic Global Macro	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,373,005 \$60,524,952 \$47,990,880 \$49,180,506 \$60,641,910	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 0.0% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targ 95% % Relat to Targ 92% % Relat to Targ 92%
Prudential Investment Management CW Sarandywine U.S. Fixed Income Reams Releuberger Berman Fable 9: Absolute Return Asset Class Absolute Return Forosvenor SCARF - Diversifying Series Eisler Capital Fund, LP Fundor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund BlackRock Event Driven Equity Fund Elliott Associates LP Davidson Kempner Institutional Partners, LP Posquared Event Opportunity Fund, L.P. Aristeia Partners, L.P. MR Fund Ltd aurion Capital Management, LP Two Sigma Risk Premia Enhanced Fund, LP Graham Tactical Trend Fund , L.P. Sculptor Domestic Partners II, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage Alternative Risk Premia Systematic Global Macro	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-9 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,373,005 \$60,524,952 \$47,990,880 \$49,180,506	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 0.0% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	% Relat to Targ 95% % Relat to Targ 92%
Prudential Investment Management CW Brandywine U.S. Fixed Income Brandywine Brandywine Brandywine U.S. Fixed Income Brandywine U.S.	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage Alternative Risk Premia Systematic Global Macro	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-5 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,373,005 \$60,524,952 \$47,990,880 \$49,180,506 \$60,641,910 Allowable Range: 0-2	22.9% Actual 14.7% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 1.8% 0.0% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4	Target 16.0% 3.0% 3.0% 3.0% 4.0% Target 7.0%	-1.1% Delta -1.3% -0.8% -0.5% Delta 0.4%	to Targ 95% % Relatito Targ 92% % Relatito Targ 105%
DIVERSIFYING ASSET CATEGORY:	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Discretionary Global Macro Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage Alternative Risk Premia Systematic Global Macro	\$2,786,289,838 Allowable Range: 12-2 Market Value \$1,790,338,219 \$339,750,770 \$345,611,923 \$328,268,050 \$354,413,385 \$422,294,091 Allowable Range: 5-8 Market Value \$896,862,820 \$222,942,754 \$1,316,496 \$50,000,000 \$53,870,355 \$54,283,390 \$78,660,182 \$59,329,074 \$54,023,100 \$49,726,215 \$54,373,005 \$60,524,952 \$47,990,880 \$49,180,506 \$60,641,910	22.9% Actual 14.7% 2.8% 2.8% 2.7% 2.9% 11.2% 3.5% Actual 7.4% 0.0% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-1.1% Delta -1.3% -0.8% -0.5%	to Targe 95% % Relati to Targe

						% Relative
REAL RETURN ASSET CATEGORY:		Market Value \$2,227,535,773	Actual 18.3%	Target 18.0%	Delta 0.3%	to Target
REAL RETURN ASSET CATEGORY:		\$2,221,535,113	10.3%	10.0%	0.3%	102%
Table 12: Real Estate Asset Class		Allowable Range: 7-1	1%			
Deal Catata	Sub Stretam.	Market Value	Antural	T	Dalta	% Relative
Real Estate	Sub-Strategy	Market Value \$1,103,149,062	Actual 9.1%	Target 9.0%	Delta 0.1%	to Target
Brookfield Premier Real Estate Partners, LP	Core Real Estate	\$132,178,693	1.1%	0.070	0.170	10170
Clarion Lion Properties Fund, LP	Core Real Estate	\$140,083,411	1.2%			
MetLife Core Property Fund, LP	Core Real Estate	\$94,094,119	0.8%			
Principal US Property Account	Core Real Estate	\$61,775,000	0.5%			
Prologis Targeted Europe Logistics Fund, LP	Core Real Estate	\$75,857,594	0.6%			
Prologis Targeted US Logistics Fund, LP Townsend Real Estate Fund, LP	Core Real Estate Core Real Estate	\$141,306,438 \$178,114,847	1.2% 1.5%			
Carlyle China Realty, L.P.	Non-Core Real Estate - Opportunistic	\$8,490,060	0.1%			
Carlyle China Rome Logistics, L.P.	Non-Core Real Estate - Opportunistic	\$37,617,433	0.3%			
KKR Real Estate Partners Americas, LP	Non-Core Real Estate - Opportunistic	\$1,771,719	0.0%			
LaSalle China Logistics Venture, LP	Non-Core Real Estate - Opportunistic	\$5,943,600	0.0%			
Sculptor Real Estate Fund III, LP	Non-Core Real Estate - Opportunistic	\$4,612,193	0.0%			
Sculptor Real Estate Fund IV, L.P.	Non-Core Real Estate - Opportunistic	\$11,288,326	0.1%			
Asana Partners Fund II, L.P. Asana Partners Fund III, L.P.	Non-Core Real Estate - Value-Added Non-Core Real Estate - Value-Added	\$27,815,930	0.2% 0.1%			
CIM Opportunity Fund VIII, LP	Non-Core Real Estate - Value-Added	\$8,612,920 \$28,888,760	0.1%			
DRC European Real Estate Debt Fund II, LP	Non-Core Real Estate - Value-Added	\$2,347,943	0.0%			
ECE European Prime Shopping Centre Fund II, SCS-SIF	Non-Core Real Estate - Value-Added	\$32,940,909	0.3%			
Hammes Partners II, LP	Non-Core Real Estate - Value-Added	\$3,059,530	0.0%			
Hammes Partners III, LP	Non-Core Real Estate - Value-Added	\$19,887,295	0.2%			
Hammes Partners IV, LP	Non-Core Real Estate - Value-Added	\$0	0.0%			
NREP Nordic Strategies Fund, FCP-FIS	Non-Core Real Estate - Value-Added	\$0	0.0%			
NREP Nordic Strategies Fund II, FCP-FIS	Non-Core Real Estate - Value-Added	\$17,307,683	0.1%			
NREP Nordic Strategies Fund III, FCP-FIS	Non-Core Real Estate - Value-Added	\$37,154,717	0.3%			
NREP Nordic Strategies Fund IV, FCP-FIS	Non-Core Real Estate - Value-Added Non-Core Real Estate - Value-Added	\$21,723,390	0.2%			
NREP Nordic Strategies Fund V, SCSp Seven Seas Japan Opportunity Fund, GK	Non-Core Real Estate - Value-Added	\$3,362,471 \$6,914,083	0.0% 0.1%			
ocverrocas sapari opportunity i unu, orc	Non-Oole Real Estate - Value-Added	ψ0,314,003	0.170			
Table 13: Real Assets Asset Class		Allowable Range: 5-9	1%			
				_		% Relative
Real Assets	Sub-Strategy	Market Value \$1,006,534,263	Actual 8.3%	Target 7.0%	Delta 1.3%	to Target
ACM Fund II, LP	Agriculture	\$17,323,211	0.1%	7.0%	1.3%	110%
Paine Schwartz Food Chain Fund V, L.P.	Agriculture	\$38,485,587	0.3%			
EnCap Energy Capital Fund IX, LP	Energy	\$12,876,750	0.1%			
EnCap Energy Capital Fund X, LP	Energy	\$33,951,432	0.3%			
NGP Royalty Partners, L.P.	Energy	\$21,593,616	0.2%			
NGP Royalty Partners II, L.P.	Energy	\$1,844,983	0.0%			
Tailwater Energy Fund III, LP	Energy	\$24,223,096	0.2%			
Tailwater Energy Fund IV, LP	Energy	\$18,500,376	0.2%			
Quantum Energy Partners VI, LP	Energy	\$52,278,593 \$37,042,137	0.4% 0.3%			
Quantum Energy Partners VII, LP ArcLight Energy Partners Fund VI, LP	Energy Infrastructure	\$37,942,127 \$13,236,225	0.3%			
Brookfield Infrastructure Fund III. LP	Infrastructure	\$38,975,185	0.1%			
Brookfield Infrastructure Fund IV, LP	Infrastructure	\$38,042,318	0.0%			
Brookfield Super-Core Infrastructure Partners	Infrastructure	\$98,025,487	0.0%			
Digital Colony Partners II, L.P.	Infrastructure	\$31,614,334	0.0%			
EnCap Flatrock Midstream Fund III, LP	Infrastructure	\$13,387,143	0.1%			
EnCap Flatrock Midstream Fund IV, LP	Infrastructure	\$15,325,269	0.1%			
EQT Infrastructure IV, SCSp	Infrastructure	\$34,868,943	0.3%			
First Reserve Energy Infrastructure Fund II, LP	Infrastructure	\$12,715,017	0.1%			
Harrison Street Social Infrastructure Fund LP IFM Global Infrastructure Fund	Infrastructure	\$104,329,834 \$140,082,803	0.9%			
ISQ Global Infrastructure Fund ISQ Global Infrastructure Fund II, LP	Infrastructure Infrastructure	\$149,982,893 \$49,743,647	1.2% 0.4%			
ISQ Global Infrastructure Fund III, L.P.	Infrastructure	\$10,786,545	0.4%			
Meridiam Infrastructure North America III, LP	Infrastructure	\$39,070,028	0.1%			
Meridiam Sustainable Infrastructure Europe IV, SLP	Infrastructure	\$5,624,692	0.0%			
Pantheon SCERS SIRF, LLC	Infrastructure	\$37,348,970	0.3%			
Ridgewood Water & Strategic Infrastructure Fund II, LP	Infrastructure	\$1,025,292	0.0%			
Wastewater Opportunity Fund, LLC	Infrastructure	\$8,255,945	0.1%			
Atalaya SCERS SMA, LLC	Infrastructure Debt	\$0 \$45,156,735	0.0%			
	Power Generation	\$45,156,725	0.4%			
Carlyle Power Partners II, LP	. one. Concrane.					
		Allowable Range: 0-3	1%			
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class		_				% Relative
Carlyle Power Partners II, LP	Sub-Strategy	Market Value	Actual	Target	Delta	to Target
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class Liquid Real Return	Sub-Strategy	Market Value \$117,852,448	Actual 1.0%	Target 2.0%	Delta -1.0%	
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class		Market Value	Actual			to Target
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class Liquid Real Return SSGA Real Return Overlay Strategy Brookfield Liquid Real Return	Sub-Strategy Passive Liquid Real Return Proxy	Market Value \$117,852,448 \$9,899,515	Actual 1.0% 0.1%			to Target
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class Liquid Real Return SSGA Real Return Overlay Strategy	Sub-Strategy Passive Liquid Real Return Proxy	Market Value \$117,852,448 \$9,899,515	Actual 1.0% 0.1%			to Target 48%
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class Liquid Real Return SSGA Real Return Overlay Strategy Brookfield Liquid Real Return Table 15: Other Cash/Overlay	Sub-Strategy Passive Liquid Real Return Proxy	Market Value \$117,852,448 \$9,899,515 \$107,952,933	Actual 1.0% 0.1% 0.9%	2.0%	-1.0%	to Target 48% % Relative
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class Liquid Real Return SSGA Real Return Overlay Strategy Brookfield Liquid Real Return Table 15: Other Cash/Overlay Other Cash/Overlay	Sub-Strategy Passive Liquid Real Return Proxy	Market Value \$117,852,448 \$9,899,515	Actual 1.0% 0.1%			to Target 48%
Carlyle Power Partners II, LP Table 14: Liquid Real Return Asset Class Liquid Real Return SSGA Real Return Overlay Strategy Brookfield Liquid Real Return Table 15: Other Cash/Overlay	Sub-Strategy Passive Liquid Real Return Proxy	Market Value \$117,852,448 \$9,899,515 \$107,952,933	Actual 1.0% 0.1% 0.9% Actual	2.0%	-1.0%	to Target 48% % Relative to Target

APPENDIX B: OVERLAY PROXIES

Growth Asset Category Proxy			
	Policy Allocation	Benchmark	Overlay Implementation
Global Equity	40%	MSCI ACWI IMI	Basket of S&P 500, S&P Midcap, Russell 2000, TSE 60, MSCIEA (NY), MSCIEM (NY) futures and currency
Private Equity	11%	Cambridge Associates PE/VC Index	Basket of 88% Global Equity and 12% US TSY
Public Credit	2%	50% BofA High Yield/50% CS Leveraged Loan	Basket of 88% Global Equity and 12% US TSY
Private Credit	5%	CS Leveraged Loan + 2%	Basket of 88% Global Equity and 12% US TSY

Diversifying Asset Category Pro	оху		
	Policy Allocation	Benchmark	Overlay Implementation
Fixed Income	16%	Bloomberg U.S. Aggregate Index	Basket of Treasury Futures and TBAs
Absolute Return	7%	Cambridge Associates PE/VC Index	Basket of Treasury Futures and TBAs
Cash	1%	Overnight Libor	+/- 15 bps of 1% target

Real Return Asset Category Prox	У	
	Policy Allocation*	Benchmark/Overlay Implementation
Global Real Estate (REITs)	15%	FTSE EPRA/NAREIT Developed Liquid Index
Global Infrastructure Equity	25%	S&P Global Infrastructure Index
Global Natural Resources Equity	10%	S&P Global Large Mid Cap Commodity and Resources Index
Commodities	10%	Bloomberg Roll Select Commodity Index
US Intermediate TIPS	30%	Bloomberg Barclays 1-10 Year US TIPS Index
Floating Rate Notes	10%	Bloomberg Barclays US Dollar Floating Rate Note < 5 Years Index

^{*}Relative to Real Return Asset Category