

Board of Retirement Regular Meeting

Sacramento County Employees' Retirement System

Agenda Item 11

MEETING DATE: December 7, 2022

SUBJECT: Portfolio Allocation and Rebalancing Report - Third Quarter

2022

Deliberation Receive
SUBMITTED FOR: X Consent and Action and File

RECOMMENDATION

Staff recommends that the Board 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.

SCERS' Overlay Program reduces the need for physical rebalancing, but it does not eliminate it. 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.

Below is a summary of SCERS' asset category and asset class positioning relative to the target allocations as of September 30, 2022 (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.

		<u>Current</u>	<u>Target</u>		% Relative
Asset Category	Asset Class	<u>Allocation</u>	<u>Allocation</u>	<u>Difference</u>	to Target
GROWTH*		53.5%	58.0%	-4.5%	92%
	Global Equity	33.7%	40.0%	-6.3%	84%
	Private Equity	14.9%	11.0%	3.9%	136%
	Public Credit	1.7%	2.0%	-0.3%	87%
	Private Credit	3.1%	5.0%	-1.9%	62%
	Growth Absolute Return	0.1%	0.0%	0.1%	N/A
DIVERSIFYING*		23.4%	24.0%	-0.6%	98%
	Fixed Income	15.1%	16.0%	-0.9%	94%
	Diversifying Absolute Return	7.5%	7.0%	0.5%	108%
	Dedicated Cash	0.8%	1.0%	-0.2%	84%
REAL RETURN**		19.4%	18.0%	1.4%	108%
	Real Estate	9.2%	9.0%	0.2%	103%
	Real Assets	8.4%	7.0%	1.4%	120%
	Liquid Real Return	1.8%	2.0%	-0.2%	90%
OTHER CASH/OVE	RLAY	3.5%	0.0%	3.5%	N/A

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

During the third quarter of 2022, the following <u>Overlay Program rebalancing</u> occurred:

- Quarter-end rebalance:
 - Purchased \$86 million in Growth proxy
 - Sold \$15 million in the Diversifying proxy
 - Sold \$76 million in Real Return proxy
 - Increased cash allocation by \$4 million

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

- **Global Equity** has a 33.7% allocation as of September 30, 2022, which is below the 40% target allocation, and below the bottom of the range.
 - Domestic Equity has a 17% allocation as of September 30, 2022, down from a 17.5% allocation as of June 30, 2022. The 17% allocation is below the 20% target allocation, and out of range.
 - Equities have sold off significantly during 2022, while private market valuations are up for the year, which is why the allocation is below the target.
 - Staff is evaluating physical rebalancing to bring the Domestic Equity and broader Global Equity allocations closer to target and back within their respective ranges.
 - International Equity has a 14.3% allocation as of September 30, 2022, down from a 15.7% allocation as of June 30, 2022. The 14.3% allocation is slightly below the 16% target allocation, but still with range.
 - Staff expects to evaluate physical rebalancing as new emerging markets equity mandates are implemented.

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

- Global/Unconstrained has a 2.3% allocation as of September 30, 2022, up from a 0.6% allocation as of June 30, 2022. The 2.3% allocations is below the 4% target allocation.
 - Two new global equity mandates (Artisan and Nikko) were funded during the quarter, which brought the Global/Unconstrained segment closer to its 4% target. The remaining allocation will be implemented over time.
 - No physical rebalancing is recommended at this time.
- **Fixed Income** has a 15.1% allocation as of September 30, 2022, down from a 15.7% allocation as of June 30, 2021. The 15.1% allocation is below the 16% target allocation, but within range.
 - No physical rebalancing is recommended at this time.
- Private Equity has a 14.9% allocation as of September 30, 2022, slightly down from a 15% allocation as of June 30, 2022. The 14.9% allocation is above the target allocation of 11%, and above the top of the range.
 - A key driver of the overweight is the sell-off in the public markets relative to private markets. 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.
 - Cliffwater and Staff incorporated the overweight into going forward commitment pacing for Private Equity, and Staff and Cliffwater are also evaluating selling some legacy FoF private equity positions in the secondary market, which will help reduce the overweight.
- Other Private Market Asset Classes also saw their allocations increase due to the selloff in public markets. Current weights vs. target include:
 - o Private Credit 3.1% vs. 5% target
 - **Real Assets** 8.4% vs. 7% target
 - **Real Estate** 9.2% vs. 9% target
- Alternative Assets Activity the following investment activity occurred within SCERS' alternative assets asset classes during the quarter:
 - Absolute Return
 - Submitted a full redemption request from Eisler Capital Master Fund, LP
 - Private Equity
 - \$25 million commitment to Spectrum Equity Fund X, LP
 - Private Credit
 - None
 - Real Assets
 - \$50 million commitment to Ridgewood Water & Strategic Infrastructure Fund II, LP
 - Real Estate
 - €38 million commitment to NREP Nordic Strategies Fund V, LP

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.

There can be some larger gaps between target and actual allocations within private market assets classes, which can take several years to fully execute given the unique capital pacing budgets for these segments of the portfolio. Some private market asset classes are mature and are at or above their target allocations (Private Equity, Real Assets, Real Estate), while others will take a few additional years to implement (i.e., Private Credit).

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

DISCUSSION

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

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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).

As noted, SCERS rebalances the fund via both the Overlay Program and physically purchasing or selling assets. The Overlay Program is particularly effective in rebalancing public market assets due to the low tracking error of the underlying proxies compared to public market managers and the higher expenses of purchasing and liquidating interests held by investment managers. On the other hand, the Overlay Program is not as effective in tracking alternative assets because it is limited to the use of public market proxies. Public market proxies will not, for example, be able to replicate the 'illiquidity premium' or higher returns achieved historically by private equity and private real assets, or the 'absolute' return characteristics of SCERS' Absolute Return portfolio, including its ability to outperform equity markets in times of distress. Accordingly, it is beneficial for SCERS to invest in alternative assets in a consistent manner to achieve its asset allocation targets rather than heavily relying on the Overlay Program to rebalance these assets to the target allocations.

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.

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 in the process of being wound down. As outlined in **Table 1 of Appendix A**, the Growth asset category currently has an allocation of 53.5%, which is lower than the strategic asset allocation's target of 58%, and the allocation is 92% 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, purchased approximately \$86 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 33.7%, which is well below SCERS' policy target allocation of 40%, and the allocation is 84% relative to the target allocation, and below the bottom of the range. Public

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equities have sold off significantly during 2022, which is why the allocation is so far below the target.

At the sub-asset class level, Domestic Equity has an actual allocation of 17%, which is below its target allocation of 20% (85% relative to the target). Staff is evaluating physical rebalancing to bring the Domestic Equity and broader Global Equity allocations closer to target and back within their respective ranges.

International Equity has an actual allocation of 14.3%, which is below its target allocation of 16% (89% relative to the target). The downturn in public equities in 2022 has brought the International Equity allocation in line with the new target. Staff expects to evaluate physical rebalancing as new emerging markets equity mandates are implemented.

The newly formed Global/Unconstrained segment has a 2.3% allocation, which is below the 4% target allocation (58% relative to target). Two new global equity mandates were funded in the quarter, which brought the Global/Unconstrained segment toward the 4% target. 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 14.9% is above the target allocation of 11%. The allocation is 136% relative to the target allocation.

A key driver of the overweight is the sell-off in the public markets relative to private markets. 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. Cliffwater and Staff incorporated the overweight into going forward commitment pacing for Private Equity, and Staff and Cliffwater are also evaluating selling some legacy FoF private equity positions in the secondary market, which will help reduce the overweight.

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 87% 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.

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Private Credit:

As outlined in **Table 5**, SCERS' Private Credit allocation of 3.1% is below the revised policy target allocation of 5%, and the allocation is 62% 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; however, Private Credit has recently experienced a meaningful increase in its weighting, similar to other private market asset classes, due to the sell-off in the public markets.

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 during the remainder of 2022.

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 23.4%, which is slightly below the strategic asset allocation's target of 24%, and the allocation is 98% 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, sold approximately \$15 million of overlay proxy exposure to rebalance the Growth asset category to its target allocation.

Fixed Income:

As outlined in **Table 8**, SCERS' Fixed Income allocation of 15.1% is below SCERS' policy target allocation of 16%, and the allocation is 94% 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.

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Diversifying Absolute Return:

As outlined in **Table 9**, SCERS' Diversifying Absolute Return allocation of 7.5% is slightly above the policy target allocation of 7%, and the allocation is 108% relative to the target allocation. The segment was renamed Absolute Return within the revised SAA.

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 19.4%, which is above the strategic asset allocation's target of 18%, and the allocation is 108% 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 the end of the quarter, SCERS' overlay manager, SSGA sold approximately \$76 million of overlay proxy exposure to rebalance the Real Return asset category to its target allocation.

Real Estate:

As outlined in **Table 12**, SCERS' Real Estate allocation of 9.2% is slightly above the revised policy target allocation of 9%, and the allocation is 103% relative to the target allocation. The Real Estate target increased from 7% to 9% within the revised SAA; however, Real Estate has experienced a meaningful increase in valuations, and its actual weighting, in 2022 similar to other private market asset classes, combined with the sell-off in the public markets. This has brought the weighting to the revised target allocation rather quickly.

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 8.4%, is above the policy target allocation of 7%, and the allocation is 120% 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.

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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 1.8% is slightly below the policy target allocation of 2%, and the allocation is 90% 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 overweight to the segment.

CASH

As outlined in **Tables 10 and 15**, SCERS' total cash balance is approximately 3.5% (as of September 30, 2022), which includes a combination of the 0.8% dedicated cash allocation and 2.7% in other cash. The dedicated cash allocation of 0.8% is 84% relative to the 1% target allocation.

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 2.7% other cash allocation incorporates the 2022-23 pre-funded annual employer contribution, which was received during the quarter. 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 (2.7%) into positions that replicate SCERS' target portfolio.

ATTACHMENTS

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

Prepared by:	Reviewed by:
/S/	/S/
Steve Davis	Eric Stern
Chief Investment Officer	Chief Executive Officer



Retirement Board Order Sacramento County Employees' Retirement System

Before the Board of Retirement December 7, 2022

AGENDA ITEM:

Portfolio Allocation and Rebalancing Report – Third Quarter 2022

THE BOARD OF RETIREMENT hereby accepts the recommendation of staff to receive and file the Portfolio Allocation and Rebalancing Report - Third Quarter 2022.

I HEREBY CERTIFY that the above order was passed and adopted on

December 7, 2022 by the following vote of the Board of Retirement, to wit:

Keith DeVore	Eric Stern
ALTERNATES: (Present but not voting)	
ABSTAIN:	
ABSENT:	
NOES:	
AYES:	

Board Secretary

APPENDIX A: Quarterly Portfolio Allocation and Rebalancing Detail (as of September 30, 2022)

						% Relative	Target	Target
Fund Name		Market Value	Actual	Target	Delta	to Target	Low	High
Total Fund		\$11,587,758,944						
Table 1: GROWTH ASSET CATEGORY						% Relative	Target	Target
		Market Value	Actual	Target	Delta	to Target	Low	High
GROWTH ASSET CATEGORY:		\$6.200.436.438	53.5%	58.0%	-4.5%	92%		· · · · · ·
CKOWITACOLI GATEGORI.		40,200,400,400	00.070	00.070	-4.070	01 /u	_	
Table 2: Global Equity Asset Class	All	owable Range: 36-4	A9/-					
Table 2. Global Equity Asset Glass	- All	owable Range. 30-4	-1 /0			% Relative	Target	Target
Olahal Fassits	Out Asset Olses	Market Value	A -41	T1	Delta	4- T4	Low	I II I-
Global Equity	Sub-Asset Class	\$3.900.628.958	Actual 33.7%	Target 40.0%	-6.3%	to Target 84%	36.0%	High
		\$3,900,628,958	33.7%	40.0%	-6.3%	84%	36.0%	44.0%
		Market Value	Actual	Target	Delta	to Target	Low	High
	Domestic Equity	\$1,970,591,442	17.0%	20.0%	-3.0%	85%	18.0%	22.0%
AllianceBernstein	Equity Core Index	\$984,694,765	8.5%				_	
JP Morgan 130/30	Equity Core Active Short Extension (130/30)	\$139,283,204	1.2%					
DE Shaw Broad Market Core Alpha Extension	Equity Core Active Short Extension (130/30)	\$144,185,132	1.2%					
Eagle Capital Management	Equity Large Cap Core	\$245,220,914	2.1%					
AQR US Enhanced Equity	Equity Systematic Multi-Factor Core	\$268,418,901	2.3%					
	Equity Large Cap	,,	15.4%	18.0%	-2.6%	_		
Snyder Capital Management	Equity Small Cap Value	\$101,609,477	0.9%					
Weatherbie & Co.	Equity Small Cap Growth	\$87,179,048	0.8%					
Weather bie & Co.	Equity Small Cap	\$67,179,046	1.6%	2.0%	-0.4%	-		
						% Relative	Target	Target
	1	Market Value	Actual	Target	Delta	to Target	Low 14.0%	High
Lazard Asset Management	International Equity ACWI Ex-US	\$1,658,907,136 \$273,095,186	14.3% 2.4%	16.0%	-1.7%	89%	14.0%	20.0%
LSV Large Cap International Value	International Equity Large Cap Value	\$427.421.222	3.7%					
Walter Scott	International Equity Large Cap Value	\$427,421,222 \$478,412,256	4.1%					
William Blair & Co.	International Equity Small Cap Growth	\$79.099.071	0.7%					
Mondrian Investment Partners	International Equity Small Cap Growth	\$81.040.587	0.7%					
Mondman investment Partners	International Equity Small Cap Value International Developed	\$61,040,567	11.6%	11.2%	0.4%	_		
	international Developed		11.076	11.270	0.476			
Baillie Gifford	Emerging Markets Equity - All Cap	\$166,875,771	1.4%					
Mondrian Emerging Markets Equity Fund, LP	Emerging Markets Equity - All Cap	\$152,963,043	1.3%			_		
	Emerging Markets		2.8%	4.8%	-2.0%			
						% Relative	Target	Target
		Market Value	Actual	Target	Delta	to Target	Low	High
	Global/Unconstrained Equity	\$271,130,380	2.3%	4.0%	-1.7%	58%	1.0%	6.0%
Nikko Asset Management CIT	Global Equity	\$103,920,000	0.9%					
Artisan Partners Global Opportunities	Global Equity	\$104,590,267	0.9%					
Third Point Partners Qualified, LP	Event Driven	\$62,620,113	0.5%					

Private Equity	Sub-Strategy	Market Value	Actual	Target	Delta	% Relative to Target	Target Low	Targ Hig
Tirate Equity	Gub-Gti ategy	\$1,727,477,348	14.9%	11.0%	3.9%	136%	8.0%	14.0
Accel-KKR Capital Partners IV, LP	Buyout	\$0	0.0%	0 /0	0.0 /0	.5070	. 0.370	70
Accel-KKR Capital Partners V, LP	Buyout	\$29,245,019	0.3%					
Accel-KKR Capital Partners VI, LP	Buyout	\$12,672,845	0.1%					
Accel-KKR Growth Capital Partners II, LP	Buyout	\$12,172,185	0.1%					
Accel-KKR Growth Capital Partners III, LP	Buyout	\$32,953,402	0.3%					
Accel-KKR Growth Capital Partners IV, LP	Buyout	\$4,179,186	0.0%					
Cortec Group Fund VII, LP	Buyout	\$27,673,556	0.0%					
Gridiron Capital Fund IV, LP	Buyout	\$48,036,561	0.4%					
H.I.G. Capital Partners V, LP	Buyout	\$13,245,806	0.1%					
Linden Capital Partners III, LP	Buyout	\$46,712,853	0.4%					
Linden Capital Partners IV, LP	Buyout	\$48,936,104	0.4%					
inden Capital Partners V, LP	Buyout	\$6,695,177	0.1%					
Marlin Equity Partners IV, LP	Buyout	\$11,505,666	0.1%					
Marlin Equity Partners V, LP	Buyout	\$29,195,333	0.3%					
Marlin Heritage Europe, LP	Buyout	\$24,390,759	0.2%					
Marlin Heritage, LP	Buyout	\$6,253,649	0.1%					
Marlin Heritage II, LP	Buyout	\$13,846,310	0.1%					
Marlin Heritage III, L.P.	Buyout	\$0	0.0%					
Daktree Power Opportunities Fund VI, LP	Buyout	\$6,780,600	0.1%					
Shamrock Capital Growth Fund V, LP	Buyout	\$8,825,357	0.1%					
			0.1%					
Thoma Bravo Fund XI, LP	Buyout	\$41,291,176						
Thoma Bravo Fund XIII, LP	Buyout	\$37,218,459	0.3%					
Thoma Bravo Fund XIII, LP	Buyout	\$66,835,865	0.6%					
TSG 7 A, LP	Buyout	\$26,485,041	0.2%					
SG 7 B, LP	Buyout	\$4,913,052	0.0%					
TSG 8, LP	Buyout	\$31,540,972	0.3%					
SG 8, LP	Buyout	\$0	0.0%					
Vynnchurch Capital Partners V, LP	Buyout	\$11,345,079	0.1%					
I.I.G. Europe Capital Partners II, LP	European Buyout	\$9,106,418	0.1%					
Vaterland Private Equity Fund V, CV	European Buyout	\$0	0.0%					
Vaterland Private Equity Fund VI, CV	European Buyout	\$19,565,222	0.2%					
RRJ Capital Master Fund II, LP	Asian Buyout/Special Situations	\$9,559,473	0.1%					
RRJ Capital Master Fund III, LP	Asian Buyout/Special Situations	\$9,642,114	0.1%					
Shamrock Capital Content Fund II, L.P.	Growth Equity	\$8,825,357	0.1%					
Shamrock Capital Content Fund III, L.P.	Growth Equity	\$0	0.0%					
Spectrum Equity Investors VII, LP	Growth Equity	\$52,808,054	0.5%					
Spectrum Equity Fund VIII, LP	Growth Equity	\$31,332,063	0.3%					
Spectrum Equity Fund IX, L.P.	Growth Equity	\$16,602,688	0.1%					
Spectrum Equity X, L.P.	Growth Equity	\$0	0.0%					
Summit Partners VC Fund III, LP	Growth Equity	\$3,572,863	0.0%					
Summit Partners Venture Capital Fund IV, LP	Growth Equity	\$55,715,841	0.5%					
Summit Partners Venture Capital V, L.P.	Growth Equity	\$8,416,523	0.1%					
Summit Partners Europe Growth Equity Fund II, LP	European Growth Equity	\$31,259,925	0.3%					
Summit Partners Europe Growth Equity Fund III, L.P.	European Growth Equity	\$11,002,650	0.1%					
Canvas 3, L.P.	Venture Capital	\$10,986,017	0.1%					
CRV XVIII, L.P.	Venture Capital	\$18,829,943	0.2%					
CRV XIX, LP	Venture Capital	\$2,262,433	0.0%					
CRV Select II, LP	Venture Capital	\$4,106,179	0.0%					
Chosla Ventures IV, LP	Venture Capital	\$20,575,694	0.2%					
Chosla Ventures V, L.P.	Venture Capital	\$46,788,701	0.4%					
Chosla Ventures VI, L.P.	Venture Capital		0.5%					
	Venture Capital	\$53,704,037 \$12,425,120	0.5%					
Chosla Ventures VII, L.P.		\$12,425,120 \$55,208,766						
New Enterprise Associates 14, LP	Venture Capital	\$55,298,766 \$45,400,442	0.5%					
New Enterprise Associates 15, LP	Venture Capital	\$45,490,442	0.4%					
lew Enterprise Associates 16, LP	Venture Capital	\$46,060,914	0.4%					
New Enterprise Associates 17, LP	Venture Capital	\$23,241,268	0.2%					
OrbiMed Private Investments VIII, L.P.	Venture Capital	\$7,834,616	0.1%					
OrbiMed Private Investments IX, L.P.	Venture Capital	\$0	0.0%					
hreshold Ventures III, LP	Venture Capital	\$28,984,188	0.3%					
hreshold Ventures IV, LP	Venture Capital	\$212,500	0.0%					
rinity Ventures XI, LP	Venture Capital	\$55,542,751	0.5%					
rinity Ventures XII, LP	Venture Capital	\$67,278,176	0.6%					
Atalaya Special Opportunities Fund V, LP	Distressed Debt	\$1,100,341	0.0%					
stalaya Special Opportunities Fund VI, LP	Distressed Debt	\$3,856,259	0.0%					
Davidson Kempner Distressed Opportunities Fund III, LP	Distressed Debt	\$38,074,949	0.3%					
Davidson Kempner Distressed Opportunities Fund IV, LP	Distressed Debt	\$29,899,973	0.3%					
Sarrison Opportunity Fund III, LP	Distressed Debt	\$1,156,739	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	\$10,682,256	0.1%					
PG Opportunities Partners III, LP	Distressed Debt	\$10,140,160	0.1%					
SSP Opportunities Partners IV, LP	Distressed Debt	\$30,465,612	0.3%					
Sixth Street Opportunities Partners V, L.P.	Distressed Debt	\$6,209,613	0.1%					
Vayzata Opportunities Fund III, LP	Distressed Debt	\$3,705,784	0.0%					
Dyal Capital Partners II, LP	Other	\$30,529,908	0.3%					
lyal Capital Partners III, LP	Other	\$24,290,225	0.3%					
Sbott Capital ACE VI	Fund of Funds	\$34,980,022	0.2%					
	Fund of Funds Fund of Funds							
Coldman Cache DED V		\$21,546,921	0.2%					
		600 005 050	0.00/					
Harbourvest Partners Intl VI	Fund of Funds	\$30,885,250	0.3%					
Goldman Sachs PEP X 4arbourvest Partners Intl VI 4arbourVest Partners VIII 3CP Multi-Fund Feeder (SCERS), L.P.		\$30,885,250 \$7,533,093 \$68,147,039	0.3% 0.1% 0.6%					

Table 4: Public Credit Asset Class		Allowable Range: 1-3	/0					
Public Credit	Sub-Strategy	Market Value	Actual	Target	Delta	% Relative to Target	Target Low	Target High
		\$201,097,455	1.7%	2.0%	-0.3%	87%	1.0%	3.0%
Brigade Capital SC Opportunities Mandate	Public Credit	\$201,097,455	1.7%	2.0%			-	
Table 5: Private Credit Asset Class		Allowable Range: 3-7	%				<u>.</u>	
Private Credit	Sub-Strategy	Market Value	Actual	Target	Delta	% Relative to Target	Target Low	Target High
Tivate Credit	oub-on ategy	\$358,412,938	3.1%	5.0%	-1.9%	62%	3.0%	7.0%
Ares Capital Europe Fund V, LP	Direct Lending	\$23,566,301	0.2%	3.0 /6	-1.5/0	02 /0	3.0 /0	7.0 /0
	Direct Lending	\$28,894,928	0.2%					
Benefit Street Partners Senior Opportunities Fund, LP Benefit Street Partners Senior Opportunities Fund II, LP			0.2%					
	Direct Lending	\$30,301,654	0.3%					
FM U.S. Infrastructure Debt Fund, LP	Direct Lending	\$21,833,410						
Shamrock Capital Debt Opportunities Fund I, LP	Direct Lending	\$1,881,187	0.0%					
Summit Partners Credit Fund, LP	Direct Lending	\$403,840	0.0%					
Summit Partners Credit Fund II, LP	Direct Lending	\$13,615,819	0.1%					
Summit Partners Credit Fund III, LP	Direct Lending	\$22,164,150	0.2%					
Summit Partners Credit Fund IV, LP	Direct Lending	\$9,190,760	0.1%					
ennenbaum Capital Partners Direct Lending Fund VIII (S), LLC	Direct Lending	\$112,131,287	1.0%					
thyrium Opportunities Fund II, LP	Healthcare Opportunistic Lending	\$10,692,759	0.1%					
thyrium Opportunities Fund III, LP	Healthcare Opportunistic Lending	\$12,605,143	0.1%					
OrbiMed Royalty and Credit Opportunities Fund III, LP	Healthcare Opportunistic Lending	\$17,934,979	0.2%					
OrbiMed Royalty & Credit Opportunities IV, LP	Healthcare Opportunistic Lending	\$4,000,000	0.0%					
MCP Private Capital Fund IV, SCSp	Opportunistic Lending	\$17,568,924	0.2%					
ilver Point Specialty Credit Fund II, L.P.	Opportunistic Lending	\$31,627,797	0.2%					
iver i one openiary order i and ii, E.i	Opportunistic Echanig	φο1,027,707	0.070					
able 6: Growth Absolute Return Asset Class		Allowable Range: 0%	,			% Relative	Target	Target
rowth Absolute Return	Sub-Strategy	Market Value	Actual	Target	Delta	to Target	Low	High
		\$12,819,739	0.1%	0.0%	0.1%	N/A	0.0%	0.0%
Prosvenor SCARF - Growth Series	Diversified Separate Account	\$12,819,739	0.1%					
able 7: DIVERSIFYING ASSET CATEGORY								
able 7: DIVERSIFYING ASSET CATEGORY						% Relative		
		Market Value	Actual	Target	Delta	to Target	Target Low	Target High
Table 7: DIVERSIFYING ASSET CATEGORY DIVERSIFYING ASSET CATEGORY:		Market Value \$2,717,238,591	Actual 23.4%	Target 24.0%	Delta -0.6%			
			23.4%			to Target 98%	Low	High
DIVERSIFYING ASSET CATEGORY: Table 8: Fixed Income Asset Class	Sub-Stratony	\$2,717,238,591 Allowable Range: 12-2	23.4%	24.0%	-0.6%	to Target 98% % Relative	Low	High Target
DIVERSIFYING ASSET CATEGORY:	Sub-Strategy	\$2,717,238,591 Allowable Range: 12-2 Market Value	23.4% 0% Actual	24.0% Target	-0.6% Delta	98% % Relative to Target	Low Target Low	High Target High
DIVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income		\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053	23.4% 0% Actual 15.1%	24.0% Target 16.0%	-0.6%	to Target 98% % Relative	Low	High Target
able 8: Fixed Income Asset Class rixed Income Prudential Investment Management	Core Plus Active Fixed Income	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930	23.4% 0% Actual 15.1% 2.9%	24.0% Target 16.0% 3.0%	-0.6% Delta	98% % Relative to Target	Low Target Low	High Target High
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW	Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035	23.4% 0% Actual 15.1% 2.9% 2.9%	24.0% Target 16.0% 3.0% 3.0%	-0.6% Delta	98% % Relative to Target	Low Target Low	High Target High
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9%	Target 16.0% 3.0% 3.0% 3.0%	-0.6% Delta	98% % Relative to Target	Low Target Low	High Target High
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9% 2.9%	Target 16.0% 3.0% 3.0% 3.0% 3.0%	-0.6% Delta -0.9%	98% % Relative to Target	Low Target Low	High Target High
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9%	Target 16.0% 3.0% 3.0% 3.0%	-0.6% Delta	98% % Relative to Target	Low Target Low	High Target High
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9% 2.9%	Target 16.0% 3.0% 3.0% 3.0% 3.0%	-0.6% Delta -0.9%	98% % Relative to Target	Low Target Low	High Target High
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income earns euberger Berman	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832	23.4% D% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6%	24.0% Target 16.0% 3.0% 3.0% 3.0% 12.0%	-0.6% Delta -0.9%	98% % Relative to Target	Low Target Low	High Target High
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income leams	Core Plus Active Fixed Income Core Plus US Treasuries	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,786,488	23.4% D% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	98% % Relative to Target	Target Low 12.0%	Target High 20.0%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams leuberger Berman able 9: Diversifying 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	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value	23.4% Actual 15.1% 2.9% 2.9% 2.9% 2.99% 3.6% Actual	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams ieuberger Berman able 9: Diversifying Absolute Return Asset Class iiversifying Absolute Return	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870	23.4% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative	Target Low 12.0%	Target High 20.0%
Able 8: Fixed Income Asset Class ixed Income Trudential Investment Management CW Trandywine U.S. Fixed Income teams ieuberger Berman able 9: Diversifying Absolute Return Asset Class piversifying Absolute Return ierosvenor SCARF - Diversifying Series	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5% 1.9%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High
Able 8: Fixed Income Asset Class ixed Income Trudential Investment Management CW Trandywine U.S. Fixed Income teams Identified Berman able 9: Diversifying Absolute Return Asset Class Diversifying Absolute Return Frosvenor SCARF - Diversifying Series isler Capital Fund, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$322,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9% 3.6% Actual 7.5% 1.9% 0.3%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series isler Capital Fund, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5% 1.9%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income earns euberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series isler Capital Fund, LP arshall Wace Global Opportunities Fund	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9% 3.6% Actual 7.5% 1.9% 0.3%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series sisler Capital Fund, LP arshall Wace Global Opportunities Fund ackRock Event Driven Equity Fund	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855	23.4% 10% Actual 15.1% 2.9% 2.9% 2.9% 3.6% 4.5% Actual 7.5% 1.9% 0.3% 0.5%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
Asset Class Asset Class Asset Class Asset Income Beams Beuberger Berman Beuberger Berma	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Event Driven	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189	23.4% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5% 1.9% 0.3% 0.5%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income seuberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series sler Capital Fund, LP arshall Wace Global Opportunities Fund ackRock Event Driven Equity Fund licitt Associates LP avidson 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	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$555,125,855 \$52,842,629 \$77,863,189 \$57,859,208	23.4% 15.1% 2.9% 2.9% 2.9% 3.6% Actual 7.5% 1.9% 0.3% 0.5% 0.5% 0.7%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class xed Income rudential Investment Management CW andywine U.S. Fixed Income earms able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series sler Capital Fund, LP arshall Wace Global Opportunities Fund ackRock Event Driven Equity Fund liott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, 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	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100	23.4% 0% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5% 1.9% 0.3% 0.5% 0.5% 0.7% 0.5%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
Able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income earns suberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series sler Capital Fund, LP arshall Wace Global Opportunities Fund ackRock Event Driven Equity Fund liott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. isteia 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 Fixed Income Relative Value	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,853,189 \$57,859,208 \$54,907,100 \$49,198,725	23.4% 15.1% 2.9% 2.9% 2.9% 3.6% Actual 7.5% 1.9% 0.3% 0.5% 0.5% 0.7% 0.5% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series sler Capital Fund, LP arshall Wace Global Opportunities Fund ackRock Event Driven Equity Fund liott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. risteia Partners, L.P. MR Fund Ltd	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 Fixed Income Relative Value Market Neutral, Multi-Strategy	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100 \$49,198,725 \$51,534,720	23.4% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5% 1.9% 0.5% 0.5% 0.5% 0.5% 0.5% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series isler Capital Fund, LP arshall Wace Global Opportunities Fund ackRock Event Driven Equity Fund liott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. risteia Partners, L.P. MR Fund Ltd aurion Capital Management, 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	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100 \$49,198,725 \$51,534,720 \$57,925,242	23.4% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5% 1.9% 0.3% 0.5% 0.5% 0.5% 0.5% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series siler Capital Fund, LP arshall Wace Global Opportunities Fund lackRock Event Driven Equity Fund lilott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. risteia Partners, L.P. MR Fund Ltd aurion Capital Management, LP wo 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	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100 \$49,198,725 \$51,534,720 \$57,925,242 \$47,480,850	23.4% DY Actual 15.1% 2.9% 2.9% 2.9% 3.6% Actual 7.5% 1.9% 0.5% 0.5% 0.5% 0.5% 0.4% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Targe High 20.0%
IVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income earms euberger Berman able 9: Diversifying Absolute Return Asset Class iversifying Absolute Return rosvenor SCARF - Diversifying Series sisler Capital Fund, LP arshall Wace Global Opportunities Fund lackRock Event Driven Equity Fund lilott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. risteia Partners, L.P. MR Fund Ltd aurion Capital Management, LP wo Sigma Risk Premia Enhanced Fund, LP raham Tactical Trend Fund , 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 Fixed Income Relative Value Market Neutral, Multi-Strategy Volatility Arbitrage Alternative Risk Premia Systematic Global Macro	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100 \$49,198,725 \$51,534,720 \$57,925,242 \$47,480,850 \$50,739,980	23.4% Actual 15.1% 2.9% 2.9% 2.9% 11.5% 3.6% Actual 7.5% 1.9% 0.5% 0.5% 0.5% 0.5% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Targe High 20.0%
Able 8: Fixed Income Asset Class ixed Income Tudential Investment Management CW Trandywine U.S. Fixed Income Teams Tudential Investment Management CW Trandywine U.S. Fixed Income Trandymine U.S. Fixed Income Trandymi	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	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100 \$49,198,725 \$51,534,720 \$57,925,242 \$47,480,850 \$50,739,980 \$59,806,290	23.4% DY Actual 15.1% 2.9% 2.9% 2.9% 3.6% ** ** ** ** ** ** ** ** **	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target	Target Low 12.0%	Target High 20.0%
Able 8: Fixed Income Asset Class ixed Income Tudential Investment Management CW Trandywine U.S. Fixed Income Teams Tudential Investment Management CW Trandywine U.S. Fixed Income Trandymine U.S. Fixed Income Trandymi	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 Systematic Global Macro	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100 \$49,198,725 \$51,534,720 \$57,925,242 \$47,480,850 \$50,739,980	23.4% DY Actual 15.1% 2.9% 2.9% 2.9% 3.6% ** ** ** ** ** ** ** ** **	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target 108%	Target Low 12.0% Target Low 5.0%	Target High 20.0%
Able 8: Fixed Income Asset Class ixed Income Trudential Investment Management CW Trudential Investment Trudential	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 Systematic Global Macro	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,863,189 \$57,869,208 \$54,907,100 \$49,198,725 \$51,534,720 \$51,534,720 \$57,925,242 \$47,480,850 \$59,806,290 Allowable Range: 0-2	23.4% Actual 15.1% 2.9% 2.9% 2.9% 3.6% Actual 7.5% 3.6% Actual 7.5% 0.3% 0.5% 0.5% 0.5% 0.5% 0.4% 0.4% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4% Delta 0.5%	to Target 98% % Relative to Target 94% % Relative to Target 108%	Target Low 5.0%	High Target High 20.0% Target High 9.0%
DIVERSIFYING ASSET CATEGORY: able 8: Fixed Income Asset Class ixed Income	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 Systematic Global Macro	\$2,717,238,591 Allowable Range: 12-2 Market Value \$1,745,847,053 \$333,180,930 \$332,852,035 \$333,786,768 \$333,876,488 \$412,150,832 Allowable Range: 5-9 Market Value \$874,296,870 \$218,861,022 \$40,152,060 \$55,125,855 \$52,842,629 \$77,863,189 \$57,859,208 \$54,907,100 \$49,198,725 \$51,534,720 \$57,925,242 \$47,480,850 \$50,739,980 \$59,806,290	23.4% DY Actual 15.1% 2.9% 2.9% 2.9% 3.6% ** ** ** ** ** ** ** ** **	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-0.6% Delta -0.9% -0.5% -0.4%	to Target 98% % Relative to Target 94% % Relative to Target 108%	Target Low 12.0% Target Low 5.0%	High Target High 20.0% Target High 9.0%

Table 11: RFAI	 	- + T = N	

Table 11. REAL RETURN ASSET CATEGORT						% Relative	Target	Targ
REAL RETURN ASSET CATEGORY:		Market Value	Actual	Target	Delta	to Target	Low	Higl
REAL RETURN ASSET CATEGORY:		\$2,251,965,060	19.4%	18.0%	1.4%	108%		
Table 12: Real Estate Asset Class		Allowable Range: 7-1	1%					_
Real Estate	Sub-Strategy	Market Value	Actual	Target	Delta	% Relative to Target	Target Low	Targ Higl
		\$1,071,594,300	9.2%	9.0%	0.2%	103%	7.0%	11.0
Brookfield Premier Real Estate Partners, LP	Core Real Estate	\$128,511,663	1.1%					
Clarion Lion Properties Fund, LP	Core Real Estate	\$141,178,460	1.2%					
MetLife Core Property Fund, LP	Core Real Estate	\$91,904,610	0.8%					
Principal US Property Account	Core Real Estate	\$66,477,950	0.6%					
Prologis Targeted Europe Logistics Fund, LP	Core Real Estate	\$70,224,847	0.6%					
Prologis Targeted US Logistics Fund, LP Townsend Real Estate Fund, LP	Core Real Estate	\$142,249,617	1.2%					
Carlyle China Realty, L.P.	Core Real Estate	\$171,738,533 \$8,634,645	1.5% 0.1%					
Carlyle China Realty, L.P. Carlyle China Rome Logistics, L.P.	Non-Core Real Estate - Opportunistic Non-Core Real Estate - Opportunistic	\$38,372,195	0.1%					
KKR Real Estate Partners Americas, LP	Non-Core Real Estate - Opportunistic	\$1,687,484	0.0%					
LaSalle China Logistics Venture, LP	Non-Core Real Estate - Opportunistic	\$2,733,206	0.0%					
Sculptor Real Estate Fund III, LP	Non-Core Real Estate - Opportunistic	\$7,590,214	0.1%					
Sculptor Real Estate Fund IV, L.P.	Non-Core Real Estate - Opportunistic	\$9,829,916	0.1%					
Asana Partners Fund II, L.P.	Non-Core Real Estate - Value-Added	\$25,408,560	0.2%					
Asana Partners Fund III, L.P.	Non-Core Real Estate - Value-Added	\$1,783,622	0.0%					
CIM Opportunity Fund VIII, LP	Non-Core Real Estate - Value-Added	\$29,696,478	0.3%					
DRC European Real Estate Debt Fund II, LP	Non-Core Real Estate - Value-Added	\$1,618,693	0.0%					
ECE European Prime Shopping Centre Fund II, SCS-SIF	Non-Core Real Estate - Value-Added	\$28,908,306	0.2%					
Hammes Partners II, LP	Non-Core Real Estate - Value-Added	\$3,226,702	0.0%					
Hammes Partners III, LP	Non-Core Real Estate - Value-Added	\$21,339,101	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	\$231,264	0.0%					
NREP Nordic Strategies Fund II, FCP-FIS	Non-Core Real Estate - Value-Added	\$19,310,712	0.2%					
NREP Nordic Strategies Fund III, FCP-FIS	Non-Core Real Estate - Value-Added	\$36,987,595	0.3%					
NREP Nordic Strategies Fund IV, FCP-FIS	Non-Core Real Estate - Value-Added	\$14,988,079	0.1%					
NREP Nordic Strategies Fund V, SCSp	Non-Core Real Estate - Value-Added	\$0	0.0%					
Seven Seas Japan Opportunity Fund, GK	Non-Core Real Estate - Value-Added	\$6,961,847	0.1%					
Table 13: Real Assets Asset Class		Allowable Range: 5-9	1%					
Deal Access	O-t- 044	ManhatMaha	A -41	T	D-14-	% Relative	Target	Targ
Real Assets	Sub-Strategy	Market Value	Actual	Target 7.0%	Delta	to Target	Low	Higl
ACM Fund II. LP	Agriculture	\$972,396,548 \$17,618,674	8.4% 0.2%	7.0%	1.4%	120%	5.0%	9.0%
Paine Schwartz Food Chain Fund V, L.P.	Agriculture	\$34,631,208	0.2%					
EnCap Energy Capital Fund IX, LP	Energy	\$14,201,197	0.1%					
EnCap Energy Capital Fund X, LP	Energy	\$41,551,892	0.1%					
NGP Royalty Partners, L.P.	Energy	\$27,881,790	0.2%					
NGP Royalty Partners II, L.P.	Energy	\$0	0.0%					
Tailwater Energy Fund III, LP	Energy	\$23,368,725	0.2%					
Tailwater Energy Fund IV, LP	Energy	\$17,550,297	0.2%					
Quantum Energy Partners VI, LP	Energy	\$42,860,921	0.4%					
Quantum Energy Partners VII, LP	Energy	\$35,643,133	0.3%					
ArcLight Energy Partners Fund VI, LP	Infrastructure	\$16,702,360	0.1%					
Brookfield Infrastructure Fund III, LP	Infrastructure	\$36,974,275	0.3%					
Brookfield Infrastructure Fund IV, LP	Infrastructure	\$34,449,722	0.0%					
Brookfield Super-Core Infrastructure Partners	Infrastructure	\$100,000,000	0.0%					
Digital Colony Partners II, L.P.	Infrastructure	\$21,290,147	0.0%					
EnCap Flatrock Midstream Fund III, LP	Infrastructure	\$13,573,944	0.1%					
EnCap Flatrock Midstream Fund IV, LP	Infrastructure	\$13,334,120	0.1%					
EQT Infrastructure IV, SCSp	Infrastructure	\$34,256,364	0.3%					
First Reserve Energy Infrastructure Fund II, LP	Infrastructure	\$13,036,672	0.1%					
Harrison Street Social Infrastructure Fund LP	Infrastructure	\$80,104,075	0.7%					
IFM Global Infrastructure Fund	Infrastructure	\$151,077,550	1.3%					
ISQ Global Infrastructure Fund II, LP	Infrastructure	\$54,420,491	0.5%					
ISQ Global Infrastructure Fund III, L.P.	Infrastructure	\$4,720,938	0.0%					
Meridiam Infrastructure North America III, LP	Infrastructure	\$28,932,922	0.2%					
Meridiam Sustainable Infrastructure Europe IV, SLP	Infrastructure	\$3,831,502	0.0%					
Pantheon SCERS SIRF, LLC	Infrastructure	\$49,285,497	0.4%					
Ridgewood Water & Strategic Infrastructure Fund II, LP	Infrastructure	\$0	0.0%					
Wastewater Opportunity Fund, LLC	Infrastructure	\$20,482,137	0.2%					
Atalaya SCERS SMA, LLC Carlyle Power Partners II, LP	Infrastructure Debt Power Generation	\$0 \$40,615,997	0.0% 0.4%					
•	1 Swot Ocheration							
Table 14: Liquid Real Return Asset Class		Allowable Range: 0-3	5%			% Relative	Target	Targ
	0.1.04.4	Market Value	Actual	Target	Delta	to Target	Low	Higl
Liquid Real Return	Sub-Strategy		4 00/	2.0%	-0.2%	90%	0.0%	3.0%
	-	\$207,974,213 \$107,722,529	1.8%	2.0 /6			•	
SSGA Real Return Overlay Strategy	Passive Liquid Real Return Proxy Active Liquid Real Return	\$207,974,213 \$107,733,538 \$100,240,675	0.9% 0.9%	2.0 /6				
SSGA Real Return Overlay Strategy Brookfield Liquid Real Return	Passive Liquid Real Return Proxy	\$107,733,538	0.9%	2.0 /6				
SSGA Real Return Overlay Strategy Brookfield Liquid Real Return Table 15: Other Cash/Overlay	Passive Liquid Real Return Proxy	\$107,733,538 \$100,240,675	0.9% 0.9%			% Relative		
SSGA Real Return Overlay Strategy Brookfield Liquid Real Return Table 15: Other Cash/Overlay	Passive Liquid Real Return Proxy	\$107,733,538 \$100,240,675 Market Value	0.9% 0.9% Actual	Target	Delta -	to Target		
Liquid Real Return SSGA Real Return Overlay Strategy Brookfield Liquid Real Return Table 15: Other Cash/Overlay Other Cash/Overlay Other Cash	Passive Liquid Real Return Proxy	\$107,733,538 \$100,240,675	0.9% 0.9%				-	

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 Proxy					
	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