

Board of Retirement Regular Meeting

Sacramento County Employees' Retirement System

Agenda Item 11

MEETING DATE: December 11, 2024

SUBJECT: Portfolio Allocation and Rebalancing Report - Third Quarter

2024

Deliberation Receive SUBMITTED FOR: X Consent and Action and File

RECOMMENDATION

Receive and file the Portfolio Allocation and Rebalancing Report for the quarter ended September 30, 2024.

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 invest 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 September 30, 2024 (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*		58.8%	58.0%	0.8%	101%
	Global Equity	41.6%	40.0%	1.6%	104%
	Private Equity	12.1%	11.0%	1.1%	110%
	Public Credit	1.7%	2.0%	-0.3%	84%
	Private Credit	3.2%	5.0%	-1.8%	65%
	Growth Absolute Return	0.05%	0.0%	0.0%	N/A
DIVERSIFYING*		22.0%	25.0%	-3.0%	88%
	Fixed Income	14.2%	16.0%	-1.8%	89%
	Absolute Return	5.9%	7.0%	-1.1%	85%
	Dedicated Cash	1.9%	2.0%	-0.1%	94%
REAL RETURN**		16.3%	17.0%	-0.7%	96%
	Real Estate	6.3%	9.0%	-2.7%	70%
	Real Assets	8.1%	7.0%	1.1%	116%
	Liquid Real Return	1.9%	1.0%	0.9%	191%
OTHER CASH/OVERLAY		2.6%	0.0%	2.6%	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 2024, the following <u>Overlay Program rebalancing</u> occurred:

- Quarter-end rebalance:
 - Sold \$68 million in Growth proxy
 - Sold \$20 million in Diversifying proxy
 - Purchased \$88 million in Real Return proxy
 - No change to the cash allocation

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

- Global Equity has a 41.6% allocation as of September 30, 2024, slightly up from a 41.5% allocation as of June 30, 2024, and above the 40% target allocation, but still within range.
 Staff will explore physical rebalancing in the first quarter of 2025.
 - Domestic Equity has a 21.9% allocation as of September 30, 2024, same as the 21.9% allocation as of June 30, 2024. The 21.9% allocation is higher than the 20% target allocation, but below the 22% top of the range.
 - International Equity has a 16.7% allocation as of Sepember 30, 2024, same as the 16.7% allocation as of June 30, 2024. The 16.7% allocation is above the 16% target allocation, but within range.
 - Global/Unconstrained has a 3% allocation as of September 30, 2024, maintaining the same 3% allocation as of June 30, 2024. The 3% allocation is below the 4% target allocation.
 - This is a newer sub-asset class and the remaining allocation will be implemented over time.

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

- **Fixed Income** has a 14.2% allocation as of September 30, 2024, down from a 14.5% allocation as of June 30, 2024. The 14.2% allocation is below the 16% target allocation, but within range.
 - Staff will explore physical rebalancing in the first quarter of 2025.
- Alternative Asset Class weights vs. target include:
 - **Absolute Return** 5.9% vs. 7.0% target; within range
 - o **Private Equity** 12.1% vs. 11.0% target; within range
 - o Private Credit 3.2% vs. 5.0% target; within range
 - **Real Assets** 8.1% vs. 7.0% target; within range
 - Real Estate 6.3% vs. 9.0% target; below range

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 2% 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	22	25	28
Cash	0	2	3
Real Return	15	17	19

December 11, 2024 Page 4 of 8 Agenda Item 11

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 within Appendix B of this report.

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 58.8%, which is above with the strategic asset allocation's target of 58%, and the allocation is 101% relative to the target allocation. At a more granular level, the Global Equity and Private Equity exposures are 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 \$68 million of overlay growth 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 41.6%, which is above SCERS' policy target allocation of 40% but within range, and the allocation is 104% relative to the target allocation. Staff will explore physical rebalancing in the first quarter of 2025.

December 11, 2024 Page 5 of 8 Agenda Item 11

At the sub-asset class level, Domestic Equity has an actual allocation of 21.9%, which is above its target allocation of 20% (110% relative to the target).

International Equity has an actual allocation of 16.7%, which is higher than the target allocation of 16% (104% relative to the target).

The Global/Unconstrained segment has a 3% allocation, which is below the 4% target allocation (76% 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 12.1% remains above the target allocation of 11%, but within range. The allocation is 110% relative to the target allocation.

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 policy target allocation of 5%, and the allocation is 65% 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 2026.

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 0.05%. 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 is expected to be unwound in 2024.

December 11, 2024 Page 6 of 8 Agenda Item 11

DIVERSIFYING ASSET CATEGORY:

The Diversifying asset category is comprised of the Fixed Income and 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%, which is below the strategic asset allocation's target of 25%, and the allocation is 88% 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 \$20 million of Diversifying asset category proxy exposure to rebalance the Diversifying asset category to its target allocation.

Fixed Income:

As outlined in **Table 8**, SCERS' Fixed Income allocation of 14.2% is below SCERS' policy target allocation of 16%, and the allocation is 89% relative to the target allocation. Staff will explore physical rebalancing in the first quarter of 2025.

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.

Absolute Return:

As outlined in **Table 9**, SCERS' Absolute Return allocation of 5.9% is below the policy target allocation of 7%, and the allocation is 85% 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 16.3%, which is below the strategic asset allocation's target of 17%, and the allocation is 96% relative to the target allocation.

The Overlay Program rebalances the Real Return asset category to the 17% 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.

December 11, 2024 Page 7 of 8 Agenda Item 11

At the end of the quarter, SCERS' overlay manager, SSGA, purchased approximately \$88 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 6.3% is below the policy target allocation of 9%, and also below the bottom of the range of 7%. The allocation is 70% relative to the target allocation. SCERS has recently committed to several non-core real estate funds, which should bring the allocation up a bit, and the recently approved 2025 budget for Real Estate was increased to reflect the underweight.

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 8.1%, is above the policy target allocation of 7%, and the allocation is 116% relative to the target allocation. Private real asset valuations are lagged a quarter.

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 1.9% is above the policy target allocation of 1%, and the allocation is 191% relative to the target allocation. The Liquid Real Return allocation is managed by State Street Global Advisors (SSGA), and functions as part strategic mandate and part overlay program proxy for the Real Return asset category. The latter is used to adjust broad Real Return asset category exposures during quarterly overlay rebalancing, and accounts for the slight overweight to the segment.

CASH:

As outlined in **Tables 10 and 15**, SCERS' total cash balance is approximately 4% (as of September 30, 2024), which includes a combination of the 1.9% dedicated cash allocation and 2.1% in other cash. The dedicated cash allocation of 1.9% is 94% relative to the 2% 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 a liquidity buffer.

Most of the 2.1% other cash allocation incorporates the 2024/2025 pre-funded annual employer contribution, which was received in July of 2024. The other cash allocation is also used to fund drawdowns within the private market segments of the portfolio, and other implementation and

December 11, 2024 Page 8 of 8 Agenda Item 11

rebalancing activity. SCERS' Overlay Program rebalances the portfolio by eliminating cash drag by investing the non-dedicated cash allocation (2.1%) 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 11, 2024

Λ	\bigcirc	N		Λ	٦٦	Ē	N/	١٠
м	J	IV	ப	$\boldsymbol{\vdash}$			Iν	Ι.

Portfolio Allocation and Rebalancing Report - Third Quarter 2024

THE BOARD OF RETIREMENT hereby accepts the recommendation of staff to receive and file the Portfolio Allocation and Rebalancing Report for the quarter ended September 30, 2024.

I HEREBY CERTIFY that the above order was passed and adopted on December 11, 2024 by the following vote of the Board of Retirement, to wit:

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

APPENDIX A: Quarterly Portfolio Allocation and Rebalancing Detail (as of September 30, 2024)

Table 1: GROWTH ASSET CATEGORY	Fund Name		Market Value	Actual	Target	Delta		Target \$	% Relative to Target
Table 1: GROWTH ASSET CATEGORY				Actual	raiget	Deita		raiget ψ	to raiget
Market Value	101011 0110		4 1 1,000,1 1 0,0 10						
CROWTH ASSET CATEGORY: \$8,235,509,388 58.6% 58.0% 0.9% \$ 8,123,529,697 101%	Table 1: GROWTH ASSET CATEGORY								
Table 2: Global Equity Asset Class									
Sub-Asset Class									
Sub-Asset Class Market Value Actual Target Deta To Target	GROWTH ASSET CATEGORY:		\$8,235,509,388	58.8%	58.0%	0.8%	\$	8,123,929,697	101%
Sub-Asset Class Market Value Actual Target Deta To Target									
Sub-Asset Class	Table 2: Global Equity Asset Class	Alle	owable Range: 36-4	4%					
S5,832,388,063									% Relative
S5,832,388,063	Global Equity	Sub-Asset Class	Market Value	Actual	Target	Delta			to Target
Domestic Equity			\$5,832,388,063	41.6%		1.6%	\$	5,602,710,136	
Domestic Equity									
Equity Core Index									
JP Morgan 130/30	AllianaaDamatain				20.0%	1.9%	\$	2,801,355,068	110%
DE Shaw Broad Market Core Alpha Extension Equity Core Active Short Extension (130/30) \$212,327,693 1.5% Eagle Capital Management Equity Large Cap Core \$442,646,747 3.2% A.CR US Enhanced Equity Equity Large Cap 19.9% 18.0% 1.9% 1									
Eagle Capital Management ACTM Equity Large Cap \$442,456,747 3.2% stays. ACR US Enhanced Equity \$437,071,616 3.1% stays. \$1,9% stays. \$2,241,084,054 stays. \$1,9% stays. \$1,9% stays. \$2,241,084,054 stays. \$1,04% stays. \$1,0% stays. \$2,241,084,054 stays. \$1,04% stays.									
AQR US Enhanced Equity Equity Systematic Multi-Factor Core \$437,071,616 3.1%									
Equity Large Cap 19.9% 18.0% 1.9% 18.0% 1.9%									
Snyder Capital Management	AQR US Ennanced Equity		\$437,071,616		10 00%	1 00%	_		
Weatherbie & Co. Equity Small Cap Growth Equity Small Cap \$137,305,315 1.0% Market Value Actual Target Actual Target 1.0% \$6 Relative to Target %		Equity Large Cap		19.9%	10.070	1.970			
Weatherbie & Co. Equity Small Cap Growth Equity Small Cap \$137,305,315 1.0% Market Value Actual Target Actual Target 1.0% \$6 Relative to Target %	Snyder Capital Management	Equity Small Cap Value	\$150.682.250	1.1%					
Equity Small Cap 2.1% 2.0% 0.1%									
International Equity S2,338,926,081 16.7% 16.0% 0.7% \$2,241,084,054 104%			, , , , , , , , , , , , , , , , , , ,		2.0%	0.1%	_		
International Equity S2,338,926,081 16.7% 16.0% 0.7% \$2,241,084,054 104%									
International Equity \$2,338,926,081 16.7% 16.0% 0.7% \$2,241,084,054 104%			Market Value	Actual	Towart	Delte			
Lazard Asset Management		International Equity					\$	2 241 084 054	
LSV Large Cap International Value International Equity Large Cap Value \$559,229,059 4.0% Valter Scot International Equity Large Cap Growth \$521,719,074 3.7% 3.7% Value Valu	Lazard Asset Management				10.070	0.1 /0		2,241,004,004	10470
Walter Scott International Equity Large Cap Growth William Blair & Co. International Equity Small Cap Growth International Equity Small Cap Growth S111,453,312 3.7% S12,719,074 3.7% S12,7									
William Blair & Co. International Equity Small Cap Growth Acadian Asset Management \$111,453,312 0.8% \$127,450,813 0.9% \$127,450,813 0.9% \$127,450,813 0.9% \$127,450,813 0.9% \$127,450,813 0.9% \$11.2% 0.7% Baillie Gifford Emerging Markets Equity - All Cap \$214,249,510 1.5% \$214,249,510 1.5% \$214,249,510 1.5% \$214,249,510 1.5% \$214,249,510 1.5% \$207,484,830 1.5% \$1.									
Acadian Asset Management International Equity Small Cap Value \$127,450,813 0.9% Baillie Gifford Emerging Markets Equity - All Cap ARGA Emerging Markets Equity - All Cap Emerging Markets									
International Developed									
ARGA Emerging Markets Equity Fund Oaktree Emerging Markets Equity Fund Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap Emerging Markets \$214,249,510 1.5% 207,484,830 1.5% 207,484,830 1.5% 207,484,830 1.5% 207,484,830 1.5% 207,484,830 2			, , , , , , , , , , , , , , , , , , , ,		11.2%	0.7%	_		
ARGA Emerging Markets Equity Fund Oaktree Emerging Markets Equity Fund Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap Emerging Markets Equity - All Cap Emerging Markets \$214,249,510 1.5% 207,484,830 1.5% 207,484,830 1.5% 207,484,830 1.5% 207,484,830 1.5% 207,484,830 2	D 311 OV	- · · · · · · · · · · · · · · · · · · ·	0040 747 045	4.00/					
Oaktree Emerging Markets Equity Fund Emerging Markets Equity - All Cap \$207,484,830 1.5% Emerging Markets 4.8% 4.8% 4.8% 0.0% Market Value Actual Target Delta to Target To Target Global/Unconstrained Equity \$424,508,662 3.0% 4.0% -1.0% \$60,271,014 76% Nikko Asset Management CIT Global Equity \$159,522,763 1.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.0% \$60,271,014 76% 76% Nikko Asset Management CIT Global Equity \$159,522,763 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1% 4.1% 1.1%									
Emerging Markets									
Market Value	Oaktree Emerging Markets Equity Fund		φ2U1,484,83U		4.8%	0.0%	_		
Market Value Actual Target Delta to Target Ikko Asset Management CIT Global Equity \$161,160,000 1.2% -1.0% \$ 560,271,014 76% Artisan Partners Global Opportunities Global Equity \$159,522,763 1.1%		Emerging Mainete		7.070	4.070	0.070			
Global/Unconstrained Equity \$42,508,662 3.0% 4.0% -1.0% \$560,271,014 76%									% Relative
Nikko Asset Management CIT Global Equity \$161,160,000 1.2% Artisan Partners Global Opportunities Global Equity \$159,522,763 1.1% Allspring Global Investments Global Equity \$99,562,164 0.7%									to Target
Artisan Partners Global Opportunities Global Equity \$159,522,763 1.1% Allspring Global Investments Global Equity \$99,562,164 0.7%					4.0%	-1.0%	\$	560,271,014	76%
Allspring Global Investments Global Equity \$99,562,164 0.7%									
Third Point Partners Qualified, LP Event Driven \$4,263,735 0.0%									
	Third Point Partners Qualified, LP	Event Driven	\$4,263,735	0.0%					

Table 3: Private Equity Asset Class Allowable Range: 8-14%

	Market Value \$1,700,961,959 \$30,367,804	Actual 12.1% 0.2%	Target 11.0%	Delta	s	1,540,745,287	% Relative to Target
Buyout	1,700,961,959	12.1%			S	1 540 745 207	
	\$30,367,804	0.2%			<u> </u>	1,340,743,207	110%
Buyout	001151000						
Buyout	\$24,151,820 \$0	0.2% 0.0%					
Buyout	\$8,762,069	0.0%					
Buyout	\$33,829,656	0.2%					
Buyout	\$13,679,671	0.1%					
Buyout	\$27,261,801	0.0%					
Buyout	\$6,391,421	0.0%					
Buyout	\$53,561,635	0.4%					
Buyout	\$7,119,246	0.1%					
Buyout	\$0	0.0%					
Buyout	\$22,272,335	0.2%					
Buyout Buyout	\$34,390,651 \$18,601,713	0.2% 0.1%					
Buyout	\$8,591,492	0.1%					
Buyout	\$32,376,701	0.2%					
Buyout	\$15,474,540	0.1%					
Buyout	\$3,674,460	0.0%					
Buyout	\$9,712,903	0.1%					
Buyout	\$9,987,598	0.1%					
Buyout	\$25,194,386	0.2%					
Buyout	\$0	0.0%					
Buyout Buyout	\$12,897,993	0.1% 0.0%					
Buyout	\$0 \$23,933,107	0.0%					
Buyout	\$37,623,549	0.2%					
Buyout	\$63,428,616	0.5%					
Buyout	\$10,133,009	0.1%					
Buyout	\$3,458,188	0.0%					
Buyout	\$37,471,916	0.3%					
Buyout	\$7,915,413	0.1%					
Buyout	\$21,847,967	0.2%					
Buyout	\$4,860,750	0.0%					
Buyout pean Buyout	\$0 \$8,796,102	0.0% 0.1%					
pean Buyout	\$553,015	0.1%					
pean Buyout	\$12,976,396	0.1%					
ut/Special Situations	\$3,303,573	0.0%					
ut/Special Situations	\$8,445,881	0.1%					
owth Equity	\$12,897,993	0.1%					
owth Equity	\$8,448,747	0.1%					
owth Equity	\$34,132,507	0.2%					
owth Equity	\$20,105,341	0.1%					
owth Equity	\$21,398,317	0.2%					
owth Equity owth Equity	\$4,541,177 \$3,435,109	0.0%					
owth Equity	\$58,454,787	0.4%					
owth Equity	\$14,065,835	0.1%					
n Growth Equity	\$50,344,055	0.4%					
n Growth Equity	\$21,667,290	0.2%					
ture Capital	\$14,324,381	0.1%					
ture Capital	\$17,274,355	0.1%					
	\$26,222,007	0.2%					
ture Capital	\$37,776,809	0.3%					
	\$22,045,451	0.2%					
	\$19,210,816	0.1%					
	\$34,504,636	0.2%					
ressed Debt	\$1,393,566	0.0%					
	\$3,432,626	0.0%					
	\$25,569,699	0.2%					
Other		0.2%					
	\$20,857,538	0.1%					
nd of Funds	\$0	0.0%					
	\$0	0.0%					
	\$2,002,038	0.0%					
nd of Funds	\$81,779,064	0.6%					
	nture Capital tuture	thure Capital \$7,334,983 thure Capital \$13,236,556 thure Capital \$13,236,556 thure Capital \$23,3679,176 thure Capital \$23,3679,176 thure Capital \$72,925,776 thure Capital \$21,905,423 thure Capital \$11,600,358 thure Capital \$11,600,358 thure Capital \$37,127,299 thure Capital \$26,222,007 thure Capital \$22,045,451 thure Capital \$22,045,451 thure Capital \$11,485,250 thure Capital \$1,485,250 thure Capital \$21,549,394 thure Capital \$21,549,394 thure Capital \$3,316,407 thure Capital \$33,334,803 tressed Debt \$1,785,680 tressed Debt \$1,785,680 tressed Debt \$91,119 tressed Debt \$1,921,0,816 tressed Debt \$34,504,636 tressed Debt \$34,504,636 tressed Debt \$3,504,636 tressed Debt \$25,569,699 tressed Debt \$22,284,506 tressed Debt \$24,975,201 tressed Debt \$22,284,506 tressed Debt \$714,032 thressed Debt \$714,032	thure Capital \$7,334,983 0.1% thure Capital \$13,236,556 0.1% thure Capital \$13,236,556 0.1% thure Capital \$33,879,176 0.2% thure Capital \$21,905,423 0.2% thure Capital \$21,905,423 0.2% thure Capital \$21,905,423 0.2% thure Capital \$11,600,388 0.1% thure Capital \$21,905,423 0.2% thure Capital \$37,127,299 0.3% thure Capital \$26,222,007 0.2% thure Capital \$26,222,007 0.2% thure Capital \$22,045,451 0.2% thure Capital \$22,045,451 0.2% thure Capital \$1,485,250 0.1% thure Capital \$1,485,250 0.1% thure Capital \$1,707,976 0.1% thure Capital \$2,1549,394 0.2% thure Capital \$2,1549,394 0.2% thure Capital \$3,33,34,803 0.2% tressed Debt \$1,785,680 0.0% tressed Debt \$1,785,680 0.0% tressed Debt \$1,785,680 0.0% tressed Debt \$1,9210,816 0.1% tressed Debt \$1,9210,816 0.1% tressed Debt \$34,504,636 0.2% tressed Debt \$3,432,626 0.0% tressed Debt \$25,569,699 0.2% tressed Debt \$22,283,10,0% tressed Debt \$24,975,201 0.2% tressed Debt \$24,975,201 0	thure Capital \$7,334,983 0.1% thure Capital \$13,236,556 0.1% thure Capital \$33,879,176 0.2% thure Capital \$23,879,176 0.5% thure Capital \$21,905,423 0.2% thure Capital \$11,600,358 0.1% thure Capital \$11,600,358 0.1% thure Capital \$37,127,299 0.3% thure Capital \$37,127,299 0.3% thure Capital \$37,127,299 0.3% thure Capital \$26,222,007 0.2% thure Capital \$25,222,007 0.2% thure Capital \$25,204,451 0.2% thure Capital \$21,485,250 0.1% thure Capital \$11,485,250 0.1% thure Capital \$11,485,250 0.1% thure Capital \$1,485,250 0.1% thure Capital \$1,549,394 0.2% thure Capital \$21,549,394 0.2% thure Capital \$21,549,394 0.2% thure Capital \$33,334,803 0.2% thure Capital \$1,785,680 0.0% the Capital \$1,785,680 0.0% the Capital \$1,785,680 0.0% the Capital \$1,000,43,475 0.0% thressed Debt \$1,043,475 0.0% thressed Debt \$2,043,506 0.0% thressed Debt \$2,043,506 0.0% thressed Debt \$2,043,506 0.0% thressed Debt \$2,043,506 0.0% thressed Debt \$2,043,	thure Capital \$7,334,983 0.1% thure Capital \$13,236,556 0.1% thure Capital \$13,236,556 0.1% thure Capital \$33,879,176 0.2% thure Capital \$21,905,423 0.2% thure Capital \$21,905,423 0.2% thure Capital \$11,600,358 0.1% thure Capital \$11,600,358 0.1% thure Capital \$37,127,299 0.3% thure Capital \$37,127,299 0.3% thure Capital \$36,222,007 0.2% thure Capital \$26,222,007 0.2% thure Capital \$22,045,451 0.2% thure Capital \$77,776,809 0.3% thure Capital \$77,776,809 0.1% thure Capital \$11,485,250 0.1% thure Capital \$11,485,250 0.1% thure Capital \$1,485,250 0.1% thure Capital \$1,549,394 0.2% thure Capital \$21,549,394 0.2% thure Capital \$21,549,394 0.2% thure Capital \$33,334,803 0.2% thure Capital \$31,785,680 0.0% thesesed Debt \$1,785,680 0.0% thressed Debt \$1,104,3475 0.0% thressed Debt \$1,043,475 0.0% thressed Debt \$1,043,475 0.0% thressed Debt \$1,9210,816 0.1% thressed Debt \$1,9210,816 0.1% 0.0% thressed Debt \$34,504,636 0.2% thressed Debt \$34,504,636 0.2% thressed Debt \$3,335,66 0.0% thressed Debt \$22,569,699 0.2% thressed Debt \$22,284,506 0.0% thressed Debt \$22,284,506 0.0% thressed Debt \$22,284,506 0.2% thressed Debt \$22,569,99 0.3% 0.0% thressed Debt \$24,975,201 0.2%	nture Capital \$7,334,983 0.1% hture Capital \$13,236,556 0.1% hture Capital \$33,879,176 0.2% hture Capital \$72,925,776 0.5% hture Capital \$21,905,423 0.2% hture Capital \$11,600,358 0.1% hture Capital \$37,127,299 0.3% hture Capital \$37,127,299 0.3% hture Capital \$37,127,299 0.3% hture Capital \$26,222,007 0.2% hture Capital \$22,045,451 0.2% hture Capital \$21,485,250 0.1% hture Capital \$11,485,250 0.1% hture Capital \$1,485,250 0.1% hture Capital \$21,549,394 0.2% hture Capital \$21,549,394 0.2% hture Capital \$33,334,803 0.2% hture Capital \$41,522,081 0.3% hture Capital \$1,785,680 0.0% hture Capital \$33,334,803 0.2% hture Capital \$31,785,680 0.0% hture Capital \$31,393,566 0.0% htressed Debt \$1,043,475 0.0% htressed Debt \$1,393,566 0.2% htressed Debt \$1,393,566 0.2% htressed Debt \$25,569,699 0.2% htressed Debt \$24,975,201 0.2% htre	thure Capital \$7,334,983 0.1% thure Capital \$13,236,556 0.1% thure Capital \$33,879,176 0.2% thure Capital \$21,905,423 0.2% thure Capital \$21,905,423 0.2% thure Capital \$21,905,423 0.2% thure Capital \$37,127,299 0.3% thure Capital \$26,222,007 0.2% thure Capital \$27,776,809 0.3% thure Capital \$22,045,451 0.2% thure Capital \$11,485,250 0.1% thure Capital \$1,485,250 0.1% thure Capital \$1,707,976 0.1% thure Capital \$1,707,976 0.1% thure Capital \$2,1549,394 0.2% thure Capital \$3,333,4803 0.2% thure Capital \$41,522,081 0.3% thure Capital \$41,522,081 0.3% thure Capital \$41,522,081 0.3% thure Capital \$1,785,680 0.0% thressed Debt \$1,785,680 0.0% thressed Debt \$1,921,0,816 0.1% thressed Debt \$1,921,0,816 0.1% thressed Debt \$3,432,626 0.0% thressed Debt \$3,432,626 0.0% thressed Debt \$22,569,699 0.2% thressed Debt \$22,2831 0.0% thressed Debt \$24,975,201 0.2% thressed Debt \$24,975,201 0.2% thressed Debt \$24,975,201 0.2% thressed Debt \$24,975,201 0.2% thressed Debt \$22,284,506 0.2% thressed Debt \$24,975,201 0.2% thressed

Table 4: Public Credit Asset Class			3%					% Relativ
Public Credit	Sub-Strategy	Market Value	Actual	Target	Delta			to Targe
rigade Capital SC Opportunities Mandate	Public Credit	\$242,928,215 \$242,928,215	1.7% 1.7%	2.0% 2.0%	-0.3%	\$	280,135,507	84%
	Public Credit			2.0%				
able 5: Private Credit Asset Class		Allowable Range: 3-7	7%					% Relativ
rivate Credit	Sub-Strategy	Market Value	Actual	Target	Delta			to Targe
ree Canital Furana Fund V I D	Direct Londing	\$452,844,577	3.2% 0.2%	5.0%	-1.8%	\$	700,338,767	65%
res Capital Europe Fund V, LP res Senior Direct Lending Fund III, LP	Direct Lending Direct Lending	\$30,639,947 \$7,500,992	0.2%					
Benefit Street Partners Senior Opportunities Fund, LP	Direct Lending	\$12,362,598	0.1%					
enefit Street Partners Senior Opportunities Fund II, LP	Direct Lending	\$43,959,035	0.1%					
rookfield Infrastructure Debt Fund III, LP	Direct Lending	\$21,853,946	0.2%					
FM U.S. Infrastructure Debt Fund, LP	Direct Lending	\$67,995,140	0.5%					
hamrock Capital Debt Opportunities Fund I, LP	Direct Lending	\$5,799,871	0.0%					
ummit Partners Credit Fund, LP	Direct Lending	\$83,966	0.0%					
ummit Partners Credit Fund II, LP	Direct Lending	\$7,226,968	0.1%					
ummit Partners Credit Fund III, LP	Direct Lending	\$6,881,687	0.1%					
ummit Partners Credit Fund IV, LP	Direct Lending	\$6,867,270	0.0%					
			0.0%					
ennenbaum Capital Partners Direct Lending Fund VIII (S), L	Direct Lending	\$109,338,189	0.8%					
thyrium Opportunities Fund III, LP	Healthcare Opportunistic Lending	\$4,303,220 \$7,057,103						
thyrium Opportunities Fund III, LP	Healthcare Opportunistic Lending	\$7,957,103	0.1%					
brbiMed Royalty and Credit Opportunities Fund III, LP	Healthcare Opportunistic Lending	\$16,024,814	0.1%					
OrbiMed Royalty & Credit Opportunities IV, LP	Healthcare Opportunistic Lending	\$16,850,656	0.1%					
ICP Private Capital Fund IV, SCSp	Opportunistic Lending	\$29,284,901	0.2%					
ilver Point Specialty Credit Fund II, L.P.	Opportunistic Lending	\$31,800,823	0.2%					
ilver Point Specialty Credit Fund III, L.P. ky Leasing Fund VI, L.P.	Opportunistic Lending Opportunistic Lending	\$16,575,619 \$9,537,832	0.1% 0.1%					
	Opportunisate Echanig							
able 6: Growth Absolute Return Asset Class		Allowable Range: 0	<u>%</u>					% Relati
rowth Absolute Return	Sub-Strategy	Market Value	Actual	Target	Delta	_		to Targe
rosvenor SCARF - Growth Series	Diversified Separate Account	\$6,386,574 \$6,386,574	0.0% 0.0%	0.0%	0.0%	\$	-	N/A
able 7: DIVERSIFYING ASSET CATEGORY								% Relati
IVERSIEVING ASSET CATEGORY		Market Value \$3 082 438 882	Actual	Target	Delta	\$	3 501 693 835	
		\$3,082,438,882	22.0%	Target 25.0%	-3.0%	\$	3,501,693,835	to Targe
			22.0%			\$	3,501,693,835	88%
able 8: Fixed Income Asset Class	Sub-Strategy	\$3,082,438,882 Allowable Range: 12-2 Market Value	22.0% 20% Actual	25.0% Target	-3.0% Delta			% Relative to Targe
able 8: Fixed Income Asset Class		\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555	22.0% 20% Actual 14.2%	25.0% Target 16.0%	-3.0%	\$	3,501,693,835 2,241,084,054	% Relati
able 8: Fixed Income Asset Class ixed Income rudential Investment Management	Core Plus Active Fixed Income	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573	22.0% 20% Actual 14.2% 2.8%	25.0% Target 16.0% 3.0%	-3.0% Delta			% Relation
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW	Core Plus Active Fixed Income Core Plus Active Fixed Income	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151	22.0% 20% Actual 14.2% 2.8% 2.8%	Target 16.0% 3.0% 3.0%	-3.0% Delta			% Relative to Targe
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	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845	22.0% 20% Actual 14.2% 2.8% 2.8% 2.7%	Target 16.0% 3.0% 3.0% 3.0%	-3.0% Delta			% Relation
able 8: Fixed Income Asset Class xed Income rudential Investment Management DW 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	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151	22.0% 20% Actual 14.2% 2.8% 2.8% 2.7% 2.9%	Target 16.0% 3.0% 3.0% 3.0% 3.0%	-3.0% Delta -1.8%			% Relation
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	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845	22.0% 20% Actual 14.2% 2.8% 2.8% 2.7%	Target 16.0% 3.0% 3.0% 3.0%	-3.0% Delta			% Relati
able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income parts	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845	22.0% 20% Actual 14.2% 2.8% 2.8% 2.7% 2.9%	Target 16.0% 3.0% 3.0% 3.0% 3.0%	-3.0% Delta -1.8%			% Relation
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman	Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus Active Fixed Income Core Plus	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015	22.0% Actual 14.2% 2.8% 2.8% 2.7% 2.9% 11.2% 3.0%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 12.0%	-3.0% Delta -1.8%			% Relati to Targe 89%
able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income parms auberger Berman able 9: Absolute Return Asset Class	Core Plus Active Fixed Income Core Plus US Treasuries	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5	22.0% Actual 14.2% 2.8% 2.8% 2.7% 2.9% 11.2% 3.0%	Target 16.0% 3.0% 3.0% 3.0% 3.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%			% Relatito Targu 89%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income earms euberger Berman able 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	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970	22.0% Actual 14.2% 2.8% 2.8% 2.7% 2.9% 11.2% 3.0% Actual	Target 16.0% 3.0% 3.0% 3.0% 3.0% 12.0%	-3.0% Delta -1.8%		2,241,084,054	% Relative to Targe 89%
able 8: Fixed Income Asset Class Exed Income Fixed Incom	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907	22.0% Actual 14.2% 2.8% 2.7% 2.9% 11.2% 3.0% Actual 5.9%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$		% Relating to Targe 89%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income earns euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048	22.0% Actual 14.2% 2.8% 2.8% 2.7% 2.9% 11.2% 3.0% Actual 5.9% 1.8%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relatito Targe 89%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income earms euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series udor BVI Global Fund Ltd	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$399,480,573 \$387,904,151 \$383,970,845 \$4401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400	22.0% Actual 14.2% 2.8% 2.7% 2.9% 11.2% 3.0% Actual 5.9% 1.8% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relatito Targe 89%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series udor BVI Global Fund Ltd larshall Wace Global Opportunities Fund	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$333,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140	22.0% Actual 14.2% 2.8% 2.8% 2.9% 11.2% 3.0% Actual 5.9% 1.8% 0.4% 0.5%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relative to Targe 89%
able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income sams suberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series rdor BVI Global Fund Ltd arshall Wace Global Opportunities Fund Into Capital Partners LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Equity Long/Short	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700	22.0% Actual 14.2% 2.8% 2.8% 2.7% 2.9% 11.2% 3.0% Actual 5.9% 1.8% 0.4% 0.5% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relatito Targe 89%
able 8: Fixed Income Asset Class xed Income rudential Investment Management CW andywine U.S. Fixed Income earms suberger Berman able 9: Absolute Return Asset Class boolute Return rosvenor SCARF - Diversifying Series dor BVI Global Fund Ltd arshall Wace Global Opportunities Fund unto Capital Partners LP 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 Equity Long/Short Event Driven	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$399,480,573 \$387,904,151 \$383,970,845 \$4401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$58,199,551	22.0% Actual 14.2% 2.8% 2.8% 2.7% 11.2% 3.0% Actual 5.9% 1.8% 0.4% 0.5% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relatito Targe 89%
able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income earns euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series udor BVI Global Fund Ltd arshall Wace Global Opportunities Fund unto Capital Partners LP ackRock Event Driven Equity Fund liott Associates LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Equity Long/Short Event Driven Event Driven	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-3 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$58,199,551 \$87,612,004	22.0% Actual 14.2% 2.8% 2.8% 2.9% 11.2% 3.0% Actual 5.9% 1.8% 0.4% 0.4% 0.4% 0.4% 0.6%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relatito Targe 89%
able 8: Fixed Income Asset Class xed Income rudential Investment Management DW randywine U.S. Fixed Income earns suberger Berman able 9: Absolute Return Asset Class boolute Return rosvenor SCARF - Diversifying Series dor BVI Global Fund Ltd arshall Wace Global Opportunities Fund unto Capital Partners LP ackRock Event Driven Equity Fund liott 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 Equity Long/Short Event Driven Event Driven Event Driven	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,389,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$58,199,551 \$87,612,004 \$45,390,386	22.0% Actual 14.2% 2.8% 2.8% 2.7% 2.9% 3.0% Actual 5.9% 1.8% 0.4% 0.4% 0.4% 0.6% 0.3%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relative to Targe 89%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income earns euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series ador BVI Global Fund Ltd arshall Wace Global Opportunities Fund unto Capital Partners LP lackRock 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 Equity Long/Short Event Driven Event Driven Event Driven Event Driven Event Driven	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$389,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,556,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,588,700 \$58,199,551 \$87,612,004 \$45,390,386 \$53,084,750	22.0% Actual 14.2% 2.8% 2.8% 2.7% 3.0% Actual 5.9% 1.8% 0.4% 0.5% 0.4% 0.6% 0.3% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relative to Targe 89%
able 8: Fixed Income Asset Class xed Income rudential Investment Management CW randywine U.S. Fixed Income earns euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series ador BVI Global Fund Ltd arshall Wace Global Opportunities Fund into Capital Partners LP 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 Equity Long/Short Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$399,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-3 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$88,199,551 \$87,612,004 \$45,390,386 \$53,084,750 \$53,872,740	22.0% Actual 14.2% 2.8% 2.8% 2.9% 11.2% 3.0% Actual 5.9% 1.8% 0.4% 0.5% 0.4% 0.6% 0.3% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relative to Targe 89%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series udor BVI Global Fund Ltd arshall Wace Global Opportunities Fund unto Capital Partners LP ackRock Event Driven Equity Fund liiott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. risteia Partners, L.P. aurion Capital Management, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Volatility Arbitrage	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,588,700 \$58,199,551 \$87,612,004 \$45,390,386 \$53,084,750 \$53,872,740 \$58,7872,740 \$58,108,171	22.0% Actual 14.2% 2.8% 2.7% 3.0% 11.2% 3.0% Actual 5.9% 1.8% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relative to Targe 89%
able 8: Fixed Income xed Income rudential Investment Management CW randywine U.S. Fixed Income authorized Income authori	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Equity Long/Short Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$399,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-3 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$88,199,551 \$87,612,004 \$45,390,386 \$53,084,750 \$53,872,740	22.0% Actual 14.2% 2.8% 2.8% 2.9% 11.2% 3.0% Actual 5.9% 1.8% 0.4% 0.5% 0.4% 0.6% 0.3% 0.4% 0.4%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relati to Targu 89%
able 8: Fixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series udor BVI Global Fund Ltd larshall Wace Global Opportunities Fund unto Capital Partners LP lackRock Event Driven Equity Fund liliott Associates LP avidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. ristelia Partners, L.P. aurion Capital Management, LP raham Tactical Trend Fund , L.P. culptor Domestic Partners II, LP	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Volatility Arbitrage Systematic Global Macro	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$333,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$58,199,551 \$87,612,004 \$45,390,386 \$53,084,750 \$53,872,740 \$58,108,171 \$45,723,017	22.0% Actual 14.2% 2.8% 2.8% 2.7% 3.0% Actual 5.9% 1.8% 0.4% 0.4% 0.3% 0.4% 0.4% 0.3% 0.0%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relatito Targe 89%
able 8: Fixed Income Asset Class ixed Income rudential Investment Management CW randywine U.S. Fixed Income eams euberger Berman able 9: Absolute Return Asset Class bsolute Return rosvenor SCARF - Diversifying Series ador BVI Global Fund Ltd arshall Wace Global Opportunities Fund anto Capital Partners LP audson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. risteia Partners, L.P. surion Capital Management, LP raham Tactical Trend Fund , L.P. culptor Domestic Partners II, LP able 10: Dedicated Cash	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Volatility Arbitrage Systematic Global Macro	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$389,480,573 \$387,904,151 \$383,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$58,199,551 \$87,612,004 \$45,390,386 \$53,084,750 \$53,872,740 \$58,108,171 \$45,723,017 \$0 Allowable Range: 0-2	22.0% Actual 14.2% 2.8% 2.8% 2.9% 11.2% 3.0% Actual 5.9% 1.8% 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% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0% Delta -1.1%	\$	2,241,084,054	% Relati to Targ 89% % Relati to Targ 85%
Piversifying Asset Category: Table 8: Fixed Income Asset Class Triced Income Prudential Investment Management CW Trandywine U.S. Fixed Income Reams Releuberger Berman Table 9: Absolute Return Asset Class Absolute Return Prosvenor SCARF - Diversifying Series Undor BVI Global Fund Ltd Marshall Wace Global Opportunities Fund Unto Capital Partners LP RackRock Event Driven Equity Fund Elliott Associates LP Pavidson Kempner Institutional Partners, LP Squared Event Opportunity Fund, L.P. Visteia Partners, L.P. aurion Capital Management, LP Graham Tactical Trend Fund , L.P. Sculptor Domestic Partners II, LP Table 10: Dedicated Cash Dedicated Cash	Core Plus Active Fixed Income Core Plus US Treasuries Sub-Strategy Diversified Separate Account Discretionary Global Macro Equity Long/Short Equity Long/Short Event Driven Event Driven Event Driven Event Driven Fixed Income Relative Value Volatility Arbitrage Systematic Global Macro	\$3,082,438,882 Allowable Range: 12-2 Market Value \$1,989,509,555 \$393,480,573 \$387,904,151 \$333,970,845 \$401,595,015 \$422,558,970 Allowable Range: 5-5 Market Value \$829,339,907 \$256,894,048 \$53,106,400 \$64,750,140 \$52,598,700 \$58,199,551 \$87,612,004 \$45,390,386 \$53,084,750 \$53,872,740 \$58,108,171 \$45,723,017	22.0% Actual 14.2% 2.8% 2.8% 2.7% 3.0% Actual 5.9% 1.8% 0.4% 0.4% 0.3% 0.4% 0.4% 0.3% 0.0%	Target 16.0% 3.0% 3.0% 3.0% 12.0% 4.0%	-3.0% Delta -1.8% -0.8% -1.0%	\$	2,241,084,054	% Relative to Targe 89%

		Market Value	Actual	Target	Delta			% Relative to Target
REAL RETURN ASSET CATEGORY:		\$2,282,319,817	16.3%	17.0%	-0.7%	\$	2,381,151,808	96%
Table 12: Real Estate Asset Class	Į.	Allowable Range: 7-1	1%					
Real Estate	Sub-Strategy	Market Value	Actual	Target	Delta			% Relative to Target
		\$876,640,773	6.3%	9.0%	-2.7%	\$	1,260,609,781	70%
Brookfield Premier Real Estate Partners, LP	Core Real Estate	\$94,690,897	0.7%					
Clarion Lion Properties Fund, LP	Core Real Estate	\$101,357,318	0.7%					
MetLife Core Property Fund, LP	Core Real Estate	\$70,722,386	0.5%					
Principal US Property Account	Core Real Estate	\$53,842,075	0.4%					
Prologis Targeted Europe Logistics Fund, LP	Core Real Estate	\$59,546,424	0.4%					
Prologis Targeted US Logistics Fund, LP	Core Real Estate	\$72,801,941	0.5%					
Townsend Real Estate Fund, LP	Core Real Estate	\$123,846,869	0.9%					
Carlyle China Realty, L.P.	Non-Core Real Estate - Opportunistic	\$4,653,065	0.0%					
Carlyle China Rome Logistics, L.P.	Non-Core Real Estate - Opportunistic	\$20,801,382	0.1%					
KKR Real Estate Partners Americas, LP	Non-Core Real Estate - Opportunistic	\$346,399	0.0%					
aSalle China Logistics Venture, LP	Non-Core Real Estate - Opportunistic	\$11,677,258	0.1%					
Sculptor Real Estate Fund III, LP	Non-Core Real Estate - Opportunistic	\$3,308,503	0.0% 0.1%					
Sculptor Real Estate Fund IV, L.P. Asana Partners Fund II, L.P.	Non-Core Real Estate - Opportunistic Non-Core Real Estate - Value-Added	\$19,999,820 \$34,709,918	0.1%					
Asana Partners Fund III, L.P. Asana Partners Fund III, L.P.	Non-Core Real Estate - Value-Added		0.2%					
		\$17,742,796						
CIM Opportunity Fund VIII, LP	Non-Core Real Estate - Value-Added	\$19,374,844	0.1%					
DRC European Real Estate Debt Fund II, LP	Non-Core Real Estate - Value-Added	\$301,035	0.0%					
ECE European Prime Shopping Centre Fund II, SCS-SIF	Non-Core Real Estate - Value-Added	\$34,333,779	0.2%					
Hammes Partners II, LP	Non-Core Real Estate - Value-Added	\$2,943,753	0.0%					
Hammes Partners III, LP Hammes Partners IV, LP	Non-Core Real Estate - Value-Added	\$21,292,829 \$4,557,810	0.2%					
	Non-Core Real Estate - Value-Added Non-Core Real Estate - Value-Added		0.0%					
NREP Nordic Strategies Fund, FCP-FIS	Non-Core Real Estate - Value-Added Non-Core Real Estate - Value-Added	\$33 \$15 741 702	0.0%					
NREP Nordic Strategies Fund III, FCP-FIS		\$15,741,793	0.1%					
NREP Nordic Strategies Fund III, FCP-FIS	Non-Core Real Estate - Value-Added Non-Core Real Estate - Value-Added	\$34,898,129	0.2% 0.2%					
NREP Nordic Strategies Fund IV, FCP-FIS	Non-Core Real Estate - Value-Added Non-Core Real Estate - Value-Added	\$23,164,282						
NREP Nordic Strategies Fund V, SCSp		\$15,113,743	0.1% 0.1%					
Seven Seas Japan Opportunity Fund, GK	Non-Core Real Estate - Value-Added	\$14,871,690						
Table 13: Real Assets Asset Class		Allowable Range: 5-9	9%					% Relativ
Real Assets	Sub-Strategy	Market Value	Actual	Target	Delta			to Targe
		\$1,137,719,779	8.1%	7.0%	1.1%	\$	980,474,274	116%
ACM Fund II, LP	Agriculture	\$13,605,555	0.1%					
Paine Schwartz Food Chain Fund V, L.P.	Agriculture	\$37,894,067	0.3%					
EnCap Energy Capital Fund IX, LP	Energy	\$7,388,296	0.1%					
EnCap Energy Capital Fund X, LP	Energy	\$24,260,511	0.2%					
NGP Royalty Partners, L.P.	Energy	\$20,759,171	0.1%					
NGP Royalty Partners II, L.P.	Energy	\$55,281,153	0.4%					
Failwater Energy Fund III, LP	Energy	\$22,310,308	0.2%					
Failwater Energy Fund IV, LP	Energy	\$30,045,902	0.2%					
Quantum Energy Partners VI, LP	Energy	\$11,860,619	0.1%					
Quantum Energy Partners VII, LP	Energy	\$33,964,800	0.2%					
Quantum Energy Partners VIII, LP	Energy	\$15,955,082	0.1%					
Quantum Energy Partners VIII Co - Investment Fund, LP	Energy	\$2,418,521	0.0%					
Ara Partners Fund II, L.P.	Infrastructure	\$6,690,958	0.0%					
ArcLight Energy Partners Fund VI, LP	Infrastructure	\$12,254,200	0.1%					
Brookfield Infrastructure Fund III, LP	Infrastructure	\$42,874,481	0.3%					
Brookfield Infrastructure Fund IV, LP	Infrastructure	\$41,276,317	0.3%					
Brookfield Super-Core Infrastructure Partners	Infrastructure	\$107,615,719	0.8%					
Digital Colony Partners II, L.P.	Infrastructure	\$34,556,391	0.0%					
EnCap Flatrock Midstream Fund III, LP	Infrastructure	\$9,871,934	0.1%					
EnCap Flatrock Midstream Fund IV, LP	Infrastructure	\$12,943,321	0.1%					
EQT Infrastructure IV, SCSp	Infrastructure	\$42,692,066	0.3%					
First Reserve Energy Infrastructure Fund II, LP	Infrastructure	\$8,711,724	0.1%					
Harrison Street Social Infrastructure Fund LP	Infrastructure	\$109,103,310	0.8%					
FM Global Infrastructure Fund	Infrastructure	\$167,449,307	1.2%					
SQ Global Infrastructure Fund II, LP	Infrastructure	\$57,611,808	0.4%					
SQ Global Infrastructure Fund III, L.P.	Infrastructure	\$31,642,048	0.2%					
KKR Asia Pacific Infrastructure Fund II SCSp	Infrastructure	\$15,405,904	0.1%					
Meridiam Infrastructure North America III, LP	Infrastructure	\$48,594,053	0.3%					
Meridiam Infrastructure North America IV, LP	Infrastructure	\$10,833,097	0.1%					
Meridiam Sustainable Infrastructure Europe IV, SLP	Infrastructure	\$13,803,083	0.1%					
Pantheon SCERS SIRF, LLC	Infrastructure	\$33,952,080	0.2%					
Ridgewood Water & Strategic Infrastructure Fund II, LP	Infrastructure	\$19,510,120	0.1%					
Stonepeak Opportunities Fund, LP	Infrastructure	\$0	0.0%					
Wastewater Opportunity Fund, LLC	Infrastructure Power Generation	\$1,672,297 \$32,011,577	0.0%					
Carlyle Power Partners II, LP		\$32,911,577	0.2%					
Table 14: Liquid Real Return Asset Class		Allowable Range: 0-3	3%					% Relativ
iquid Real Return	Sub-Strategy	Market Value \$267,959,265	Actual 1.9%	Target 1.0%	Delta 0.9%	\$	140,067,753	to Targe
SSGA Real Return Overlay Strategy Brookfield Liquid Real Return	Passive Liquid Real Return Proxy Active Liquid Real Return	\$267,879,905 \$79,359	1.9% 0.0%		2.370	•		.0170
		Ţ. 0,000	2.070					
Table 15: Other Cash/Overlay								% Relativ
•		Market Value	Act	Torest	Dc#c			
Other Cash/Overlay		Market Value \$360,802,137	Actual 2.6%	Target -	Delta -			to Targe N/A
Table 15: Other Cash/Overlay Other Cash/Overlay Other Cash SSgA Overlay Account				Target - -	Delta -			to Targe

Appendix B: Overlay Proxies

Growth Asset Category Proxy		
	Policy Allocation	Overlay Implementation
Domestic Equities	20%	Basket of S&P 500, S&P 400, and Russell 2000 Futures
International Equities	20%	Basket of Local Index, EAFE, EM Futures plus currency
Private Equity	11%	Basket of 85% Global Equity and 15% US TSY
Public Credit	2%	Basket of 85% Global Equity and 15% US TSY
Private Credit	5%	Basket of 85% Global Equity and 15% US TSY

Diversifying Asset Category	Proxy	
	Policy Allocation	Overlay Implementation
Fixed Income	16%	Basket of Treasury Futures and Mortgage TBAs (forwards)
Absolute Return	7%	Basket of Treasury Futures and Mortgage TBAs (forwards)
Cash	1%	+/- 15 bps of 1% cash target

Real Return Asset Category Prox	у	
	Policy Allocation*	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