



#### 100 Campus Center ~~~ Seaside, CA ~~~ 93955-8001

#### Memorandum

**To:** Investment Committee

VIA: Gifford Lehman, Chair

FROM: Nancy Ayala

**DATE:** January 27, 2023

**SUBJECT:** Agenda and Read-Ahead Materials

Enclosed are the agenda and read-ahead materials for the Investment Committee meeting on Friday, February 3, 2023. The meeting will be held in the board room at the Alumni and Visitor's Center on the CSUMB campus starting at 1:30 p.m.

If you have any questions or concerns before the meeting, please feel free to contact me at nayala@csumb.edu.





# UNIVERSITY CORPORATION AT MONTEREY BAY

100 Campus Center ~~~ Seaside, CA ~~~ 93955-8001

#### **Auxiliary Investment Committee Meeting**

Friday, February 3, 2023 ~~ 1:30 p.m. – 3:30 p.m. Alumni and Visitors Center-Board Room

Light refreshments will be served.

#### **AGENDA**

I.	Call to Order	G. Lehman
II. 2 min.	Approval of Minutes Approval of November 8, 2022 meeting minutes	G. Lehman
III.	Public Comment	G. Lehman
<b>IV.</b> 20 min.	Business A. Review of "Sustainable Investments" metrics	Verus
30 min.	B. "Sustainable Investments" Search - US Equity	Verus
10 min.	C. Draft IPS incl. "Sustainable Investments" Langauge	Verus
V.	Reports	
15 min.	A Overteeler Descend Descent	
	A. Quarterly Research Report Attachment V. A	Verus
15 min.		Verus Verus
15 min. 5 min.	Attachment V. A  B. Performance Monitoring Report	
	Attachment V. A  B. Performance Monitoring Report Attachment V. B	Verus

Note: This agenda provides notice of the business to be transacted (i.e., topics for Committee discussion). Action may be taken on any item on the agenda. The italicized notations above are for guidance purposes only and the Committee may take action on any item listed on the agenda, whether action is specifically prescribed.

### **Foundation of CSUMB Endowment**

**Investment Performance Review** 

Period Ending: December 31, 2022



**VERUSINVESTMENTS.COM** 

SEATTLE 206.622.3700 CHICAGO 312.815.5228 PITTSBURGH 412.784.6678 LOS ANGELES 310.297.1777 SAN FRANCISCO 415.362.3484

	Market Value	% of Portfolio	3 Mo	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	Inception	nception Date				
Endowment Total Fund	33,036,695	100.0	6.8	1.7	-10.6	3.5	4.1	6.5	5.7	Mar-07			(0.1)	
Endowment Policy Index			6.6	1.6	-12.4	2.8	4.0	6.2	5.7	Mar-07	Actual vs Tar	get Allocatio	on (%)	
InvMetrics All Endowment < \$50mm Net Rank			47	39	13	23	40	20						
Total Domestic Equity	10,290,817	31.1	10.0	4.6	-12.6	9.1	9.2	11.2	8.4	Mar-07				31.1
Blended US Equity Benchmark			7.3	2.6	-18.5	6.9	8.5	10.9	8.4	Mar-07	Domestic Equity			31.0
InvMetrics All E&F US Eq Net Rank			5	11	2	1	11	14						31.0
Total Int'l Equity	7,913,419	24.0	14.1	2.2	-15.7	-1.3	-0.8	4.9	2.0	Mar-07			24.0	
Blended International Equity Benchmark			13.9	2.1	-16.9	-0.6	0.3	5.0	2.5	Mar-07	International Equity		24.0	
InvMetrics All E&F ex-US Eq Net Rank			55	76	15	76	88	34					24.0	
Total Domestic Fixed Income	7,276,984	22.0	2.3	-2.4	-12.8	-2.1	0.5	1.5	4.3	Mar-07			22.0	
Bloomberg US Aggregate TR			1.9	-3.0	-13.0	-2.7	0.0	0.9	2.9	Mar-07	Domestic Fixed Income		22.0	
InvMetrics All E&F US Fix Inc Net Rank			33	78	72	69	64	60						
Total Global Fixed Income	961,074	2.9	8.4	2.1	-18.6	-5.7	-1.8	1.5	1.4	Jan-15	Global Fixed Income	}		
JP Morgan EMBI Global TR			7.4	2.9	-16.5	-4.5	-1.0	2.0	1.9	Jan-15	3.	J		
Total Real Estate	1,453,354	4.4	-4.3	-2.4	9.6	8.0	6.6	6.1	5.4	Mar-07				
NCREIF ODCE Net			-5.1	-4.8	6.6	9.0	7.7	7.6	5.7	Mar-07	Real Estate	1.4		
InvMetrics All E&F Real Estate Priv Net Rank			52	16	10	83	95	98				5.0		
Private Credit/Alternatives	4,412,050	13.4	0.0	2.6	3.6	6.8	5.9	7.1	4.0	Mar-07	Private Credit	13.4		
S&P/LSTA Leveraged Loan Index+2%			3.2	5.2	1.4	4.6	5.4	6.5	6.2	Mar-07	Filvate Credit	15.0		
InvMetrics All E&F Alts Net Rank			91	13	5	22	29	26						
Total Cash	728,997	2.2	0.1	0.1	0.1	0.1	0.6	0.5	0.5	Mar-07	Cash and Equivalents			
91 Day T-Bills	·		0.8	1.3	1.5	0.6	1.2	1.0	0.8	Mar-07	0.0			
											0.0 Police	10.0 20	1.0 30.	0 40.0



	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	2022	2021	2020	2019	2018	Inception	Inception Date
Endowment Total Fund	33,036,695	100.0	6.8	-10.6	3.5	4.1	6.5	5.9	-10.6	13.8	9.1	16.9	-5.8	5.7	Mar-07
Endowment Policy Index			6.6	-12.4	2.8	4.0	6.2	6.1	-12.4	10.7	12.2	18.4	-5.3	5.7	Mar-07
InvMetrics All Endowment < \$50mm Net Rank			47	13	23	40	20	61	13	26	80	74	52		
Total Domestic Equity	10,290,817	31.1	10.0	-12.6	9.1	9.2	11.2	11.9	-12.6	31.0	13.6	28.5	-6.9	8.4	Mar-07
Blended US Equity Benchmark			7.3	-18.5	6.9	8.5	10.9	11.9	-18.5	26.0	18.9	30.4	-5.6	8.4	Mar-07
InvMetrics All E&F US Eq Net Rank			5	2	1	11	14	30	2	2	94	86	72		
Schwab Fundamental US Large Company Index	4,457,126	13.5	12.5	-6.9	10.2	9.8	11.7	12.3	-6.9	31.6	9.2	28.9	-7.3	12.2	Feb-10
S&P 500			7.6	-18.1	7.7	9.4	11.5	12.6	-18.1	28.7	18.4	31.5	-4.4	12.4	Feb-10
Large Cap MStar MF Rank			23	22	5	15	12	28	22	6	69	56	67		
Vanguard 500 Index Adm	4,134,606	12.5	7.5	-18.1	7.6	9.4	11.4	12.5	-18.1	28.7	18.4	31.5	-4.4	8.6	Mar-07
S&P 500			7.6	-18.1	7.7	9.4	11.5	12.6	-18.1	28.7	18.4	31.5	-4.4	8.7	Mar-07
Large Cap MStar MF Rank			58	52	34	24	18	20	52	21	46	32	38		
DFA US Micro Cap Ins	1,699,085	5.1	10.0	-12.5	7.6	5.8	9.2	10.3	-12.5	33.5	6.6	20.7	-11.6	7.1	Mar-17
Russell 2000 Value			8.4	-14.5	4.7	4.1	8.2	8.5	-14.5	28.3	4.6	22.4	-12.9	4.9	Mar-17
Small Value MStar MF Rank			70	68	38	33	33	20	68	39	35	72	9		
Total Int'l Equity	7,913,419	24.0	14.1	-15.7	-1.3	-0.8	4.9	3.0	-15.7	10.1	3.6	17.3	-14.8	2.0	Mar-07
Blended International Equity Benchmark			13.9	-16.9	-0.6	0.3	5.0	3.3	-16.9	4.9	12.8	20.4	-14.1	2.5	Mar-07
InvMetrics All E&F ex-US Eq Net Rank			55	15	76	88	34	81	15	22	99	99	35		
Schwab Fundamental Intl Large Company Index	2,283,990	6.9	18.2	-7.9	3.2	2.2	5.8	5.2	-7.9	14.4	4.4	18.1	-13.9	3.7	May-11
MSCIEAFE			17.3	-14.5	0.9	1.5	4.5	4.7	-14.5	11.3	7.8	22.0	-13.8	3.7	May-11
MSCI EAFE Value			19.6	-5.6	0.6	0.2	3.7	3.5	-5.6	10.9	-2.6	16.1	-14.8		
Foreign Large Value MStar MF Rank			54	38	12	12	6	12	38	25	32	49	17		
Dodge & Cox Intl Stock	1,353,337	4.1	16.0	-6.8	1.9	1.2	5.2	4.8	-6.8	11.0	2.1	22.8	-18.0	2.9	Mar-07
MSCI ACWI ex USA			14.3	-16.0	0.1	0.9	4.8	3.8	-16.0	7.8	10.7	21.5	-14.2	2.2	Mar-07
MSCI ACWI ex USA Value			15.7	-8.6	0.1	-0.1	4.2	2.7	-8.6	10.5	-0.8	15.7	-14.0		
Foreign Large Value MStar MF Rank			85	28	40	33	19	22	28	65	54	1	81		

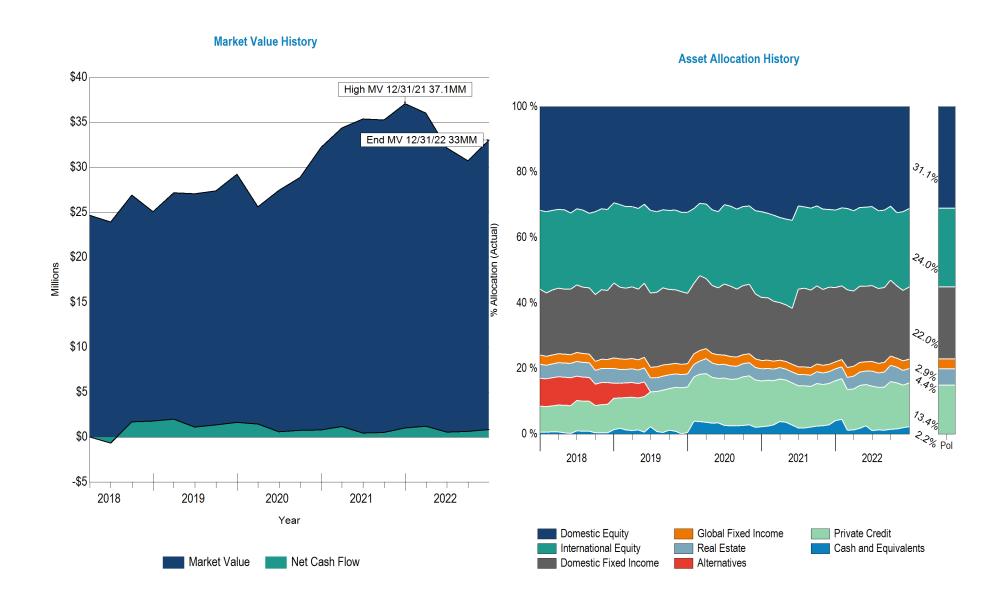


	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	2022	2021	2020	2019	2018	Inception	Inception Date
WCM Focused Int Growth Ins	1,194,750	3.6	13.4	-28.9	3.4	6.7	9.0	8.9	-28.9	17.0	32.8	35.2	-7.3	4.7	Jun-20
MSCI ACWI ex USA			14.3	-16.0	0.1	0.9	4.8	3.8	-16.0	7.8	10.7	21.5	-14.2	6.5	Jun-20
MSCI ACWI ex USA Growth			12.9	-23.1	-0.4	1.5	5.2	4.7	-23.1	5.1	22.2	27.3	-14.4		
Foreign Growth MStar MF Rank			62	67	9	2	3	4	67	8	18	7	4		
DFA Emerging Markets Value I	1,730,190	5.2	10.3	-10.7	1.0	-0.1	6.9	1.8	-10.7	12.4	2.7	9.6	-11.9	3.2	Mar-14
MSCI Emerging Markets			9.7	-20.1	-2.7	-1.4	5.2	1.4	-20.1	-2.5	18.3	18.4	-14.6	2.6	Mar-14
MSCI Emerging Markets Value NR			9.8	-15.8	-2.6	-1.6	4.5	0.1	-15.8	4.0	5.5	12.0	-10.7		
eV Emg Mkts Large Cap Value Equity Net Rank			94	58	32	45	31	60	58	1	49	99	34		
Baillie Gifford Emerging Markets I	1,351,152	4.1	11.5	-26.5	-4.8	-1.2	5.7	3.5	-26.5	-9.2	29.4	27.9	-15.0	-26.4	Jun-21
MSCI Emerging Markets			9.7	-20.1	-2.7	-1.4	5.2	1.4	-20.1	-2.5	18.3	18.4	-14.6	-19.3	Jun-21
MSCI Emerging Markets Growth NR			9.6	-24.0	-2.9	-1.3	5.7	2.7	-24.0	-8.4	31.3	25.1	-18.3		
eV Emg Mkts Large Cap Value Equity Net Rank			87	99	92	58	68	1	99	99	1	1	41		
Total Domestic Fixed Income	7,276,984	22.0	2.3	-12.8	-2.1	0.5	1.5	1.4	-12.8	-1.0	8.9	9.4	-0.1	4.3	Mar-07
Bloomberg US Aggregate TR			1.9	-13.0	-2.7	0.0	0.9	1.1	-13.0	-1.5	7.5	8.7	0.0	2.9	Mar-07
InvMetrics All E&F US Fix Inc Net Rank			33	72	69	64	60	47	72	74	27	18	47		
Met West Total Return Bond I	3,523,989	10.7	1.7	-14.8	-2.8	0.1	0.9	1.3	-14.8	-1.1	9.1	9.1	0.2	0.9	Dec-14
Bloomberg US Aggregate TR			1.9	-13.0	-2.7	0.0	0.9	1.1	-13.0	-1.5	7.5	8.7	0.0	0.9	Dec-14
Intermediate Core Bond MStar MF Rank			42	91	64	39	61	30	91	33	26	29	26		
Dodge & Cox Income	3,752,995	11.4	2.8	-10.9	-1.1	1.1	2.2	2.1	-10.9	-0.9	9.5	9.7	-0.3	1.8	Dec-14
Bloomberg US Aggregate TR			1.9	-13.0	-2.7	0.0	0.9	1.1	-13.0	-1.5	7.5	8.7	0.0	0.9	Dec-14
Intermediate Core Bond MStar MF Rank			2	10	7	3	1	4	10	20	14	13	51		
Total Global Fixed Income	961,074	2.9	8.4	-18.6	-5.7	-1.8	1.5		-18.6	-2.2	5.4	15.5	-5.5	1.4	Jan-15
JP Morgan EMBI Global TR			7.4	-16.5	-4.5	-1.0	2.0		-16.5	-1.5	5.9	14.4	-4.6	1.9	Jan-15
JP Morgan Emerging ETF	961,074	2.9	8.4	-18.6	-5.7	-1.8	1.5	0.9	-18.6	-2.2	5.4	15.5	-5.5	1.1	Dec-14
JP Morgan EMBI Global TR			7.4	-16.5	-4.5	-1.0	2.0	1.3	-16.5	-1.5	5.9	14.4	-4.6	1.6	Dec-14
Global Bond MStar MF Rank			11	79	82	50	17	18	79	25	89	1	91		



	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	2022	2021	2020	2019	2018	Inception	Inception Date
Total Real Estate	1,453,354	4.4	-4.3	9.6	8.0	6.6	6.1	7.9	9.6	13.5	1.2	2.9	6.3	5.4	Mar-07
NCREIF ODCE Net			-5.1	6.6	9.0	7.7	7.6	9.1	6.6	21.0	0.3	4.4	7.4	5.7	Mar-07
InvMetrics All E&F Real Estate Priv Net Rank			52	10	83	95	98	99	10	89	41	94	82		
ASB Real Estate	1,453,354	4.4	-4.3	9.6	8.0	6.6			9.6	13.5	1.2	2.9	6.3	5.9	Jul-16
NCREIF ODCE Net			-5.1	6.6	9.0	7.7			6.6	21.0	0.3	4.4	7.4	7.6	Jul-16
eV Alt All Real Estate Rank			99	24	25	17			24	1	96	99	76		
Private Credit/Alternatives	4,412,050	13.4	0.0	3.6	6.8	5.9	7.1	3.6	3.6	11.4	5.5	10.2	-0.6	4.0	Mar-07
S&P/LSTA Leveraged Loan Index+2%			3.2	1.4	4.6	5.4	6.5	5.7	1.4	7.3	5.2	10.8	2.4	6.2	Mar-07
InvMetrics All E&F Alts Net Rank			91	5	22	29	26	57	5	63	30	59	21		
Golub Capital Partners Intl 11, L.P.	2,012,500	6.1	0.0	4.9	7.7	9.2	-		4.9	13.0	5.3	9.9	13.2	8.8	Oct-17
Bloomberg US High Yield TR			4.2	-11.2	0.0	2.3			-11.2	5.3	7.1	14.3	-2.1	2.3	Oct-17
eV Alt All Credit Rank			82	12	17	3			12	20	52	22	3		
TCP Direct Lending Fund VIII-L	637,632	1.9	0.0	3.6	5.8	6.4			3.6	6.2	7.8	7.4	7.1	6.4	Dec-17
Bloomberg US High Yield TR			4.2	-11.2	0.0	2.3			-11.2	5.3	7.1	14.3	-2.1	2.3	Dec-17
eV Alt All Credit Rank			82	15	27	21			15	51	36	45	16		
Owl Rock First Lien Fund, L.P.	1,761,918	5.3	0.0	2.0	6.1		-		2.0	12.1	4.5			5.6	Jul-19
S&P/LSTA Leveraged Loan Index+2%			3.2	1.4	4.6				1.4	7.3	5.2			4.9	Jul-19
eV Alt All Credit Rank			82	20	27				20	24	56				
Total Cash	728,997	2.2	0.1	0.1	0.1	0.6	0.5	0.3	0.1	0.0	0.0	1.5	1.2	0.5	Mar-07
91 Day T-Bills			0.8	1.5	0.6	1.2	1.0	0.7	1.5	0.0	0.5	2.1	1.9	0.8	Mar-07
Schwab Cash	728,997	2.2	0.1	0.1	0.1	0.6	0.5	0.3	0.1	0.0	0.0	1.5	1.2	0.5	Jun-16
91 Day T-Bills			0.8	1.5	0.6	1.2	1.0	0.7	1.5	0.0	0.5	2.1	1.9	1.1	Jun-16







	Anlzd Return	Anlzd Standard Deviation	Anizd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Endowment Total Fund	4.09%	11.34%	0.09%	0.99	0.97	100.34%	99.93%	0.03	1.80%	0.25	0.51
Endowment Policy Index	4.04%	11.29%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.25	0.48
Total Domestic Equity	9.24%	19.40%	0.80%	1.00	0.98	102.71%	99.33%	0.28	2.79%	0.41	0.72
Blended US Equity Benchmark	8.47%	19.27%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.38	0.67
Total Int'l Equity	-0.81%	19.48%	-1.17%	1.10	0.96	115.72%	106.90%	-0.25	4.47%	-0.11	-0.06
Blended International Equity Benchmark	0.32%	17.32%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	-0.05	0.03
Total Domestic Fixed Income	0.54%	5.27%	0.51%	1.00	0.93	105.50%	97.25%	0.37	1.40%	-0.13	0.13
Bloomberg US Aggregate TR	0.02%	5.09%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	-0.24	0.01
Total Global Fixed Income	-1.75%	12.40%	-0.57%	1.18	0.97	124.69%	114.88%	-0.27	2.77%	-0.24	-0.17
JP Morgan EMBI Global TR	-1.00%	10.35%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	-0.22	-0.11
Total Real Estate	6.59%	5.46%	0.61%	0.77	0.87	80.76%	74.67%	-0.46	2.45%	0.98	1.04
NCREIF ODCE Net	7.73%	6.58%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.99	0.93
Private Credit/Alternatives	5.94%	6.28%	3.63%	0.43	0.24	59.89%	20.44%	0.08	6.83%	0.75	0.86
S&P/LSTA Leveraged Loan Index+2%	5.37%	7.20%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.57	0.46



	Anlzd Return	Anlzd Standard Deviation	Anizd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Endowment Total Fund	5.93%	10.33%	-0.20%	1.00	0.97	99.67%	102.35%	-0.12	1.70%	0.50	0.65
Endowment Policy Index	6.13%	10.19%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.53	0.68
Total Domestic Equity	11.93%	16.42%	0.01%	1.00	0.97	98.72%	99.19%	-0.01	2.68%	0.68	0.72
Blended US Equity Benchmark	11.95%	16.23%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.69	0.76
Total Int'l Equity	2.98%	18.22%	-0.58%	1.08	0.96	107.15%	104.01%	-0.08	4.06%	0.12	0.20
Blended International Equity Benchmark	3.31%	16.54%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.16	0.27
Total Domestic Fixed Income	1.43%	4.57%	0.42%	0.96	0.87	102.22%	90.80%	0.23	1.63%	0.15	0.35
Bloomberg US Aggregate TR	1.06%	4.45%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.07	0.26
Total Global Fixed Income											
JP Morgan EMBI Global TR	1.35%	9.60%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.06	0.19
Total Real Estate	7.89%	8.17%	1.72%	0.68	0.13	79.80%	74.67%	-0.16	7.76%	0.87	1.31
NCREIF ODCE Net	9.11%	4.27%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	1.96	1.91
Private Credit/Alternatives	3.55%	6.46%	-0.45%	0.70	0.47	60.41%	86.41%	-0.43	5.08%	0.44	0.60
S&P/LSTA Leveraged Loan Index+2%	5.74%	6.35%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.79	0.62



U.S. Effective Style Map 1 Year

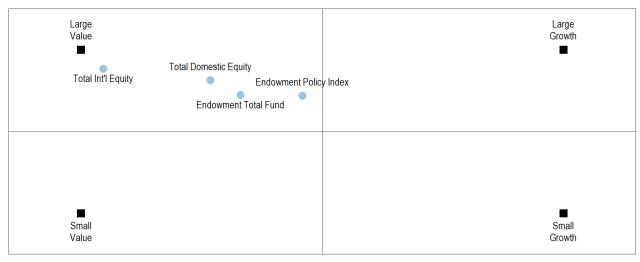


U.S. Effective Style Map 3 Years





U.S. Effective Style Map 5 Years



U.S. Effective Style Map 10 Years

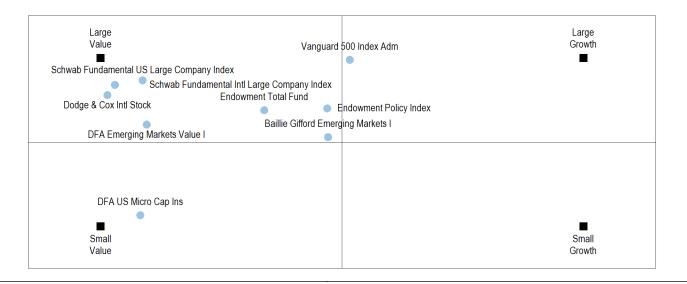




U.S. Effective Style Map 1 Year

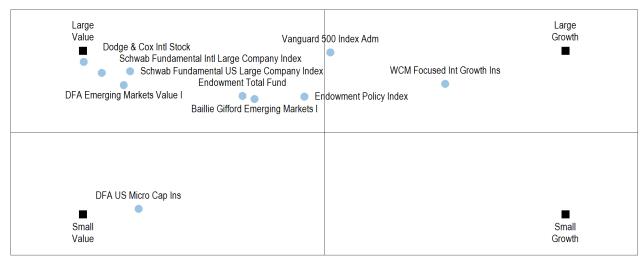


U.S. Effective Style Map 3 Years

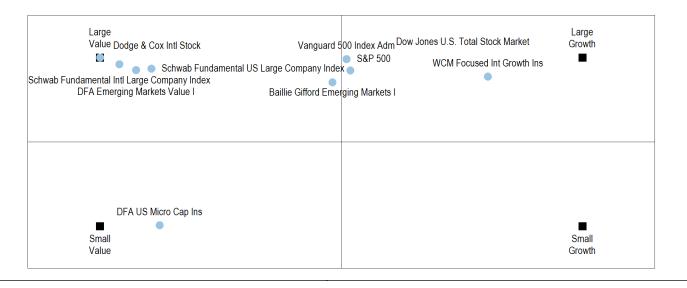




U.S. Effective Style Map 5 Years



U.S. Effective Style Map 10 Years

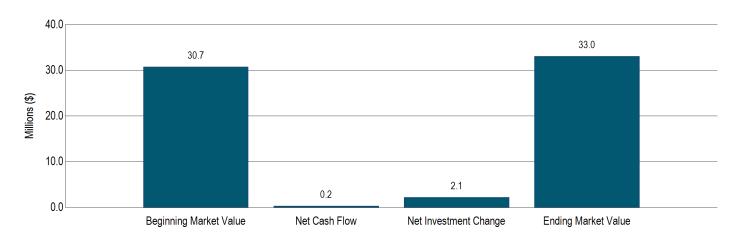




#### **Portfolio Reconciliation**

	Last Three Months	Fiscal Year- To-Date	2022	2021	2020	2019	2018
Beginning Market Value	\$30,719,464	\$32,154,872	\$37,064,363	\$32,226,209	\$29,223,035	\$25,059,317	\$24,749,520
Net Cash Flow	\$226,998	\$341,472	-\$57,079	\$358,831	\$267,959	-\$43,393	\$1,887,494
Net Investment Change	\$2,090,234	\$540,352	-\$3,970,588	\$4,479,323	\$2,735,215	\$4,207,110	-\$1,577,696
Ending Market Value	\$33,036,695	\$33,036,695	\$33,036,695	\$37,064,363	\$32,226,209	\$29,223,035	\$25,059,317

#### Change in Market Value Last Three Months



Contributions and withdrawals may include intra-account transfers between managers/funds.



	Beginning Market Value	Contributions	Withdrawals	Net Investment Change	Ending Market Value
ASB Real Estate	\$1,326,344	\$0	\$0	\$127,011	\$1,453,354
Baillie Gifford Emerging Markets I	\$1,534,004	\$300,020	\$0	-\$482,872	\$1,351,152
Brandes Emerging Markets I	\$5,666	\$0	-\$4,472	-\$1,194	
DFA Emerging Markets Value I	\$1,938,285	\$0	\$0	-\$208,095	\$1,730,190
DFA US Micro Cap Ins	\$1,886,824	\$50,020	\$0	-\$237,759	\$1,699,085
Dodge & Cox Income	\$4,228,465	\$200,020	-\$200,000	-\$475,490	\$3,752,995
Dodge & Cox Intl Stock	\$1,355,135	\$100,020	\$0	-\$101,818	\$1,353,337
Golub Capital Partners Intl 11, L.P.	\$2,068,753	\$0	-\$154,076	\$97,823	\$2,012,500
JP Morgan Emerging ETF	\$818,980	\$349,781	\$0	-\$207,687	\$961,074
Met West Total Return Bond I	\$4,157,803	\$200,020	-\$200,000	-\$633,834	\$3,523,989
Owl Rock First Lien Fund, L.P.	\$1,720,151	\$100,000	-\$87,254	\$29,021	\$1,761,918
Schwab Cash	\$1,514,058	\$1,779,154	-\$2,564,927	\$712	\$728,997
Schwab Fundamental Intl Large Company Index	\$2,382,738	\$100,000	\$0	-\$198,748	\$2,283,990
Schwab Fundamental US Large Company Index	\$4,786,030	\$0	\$0	-\$328,904	\$4,457,126
TCP Direct Lending Fund VIII-L	\$725,492	\$0	-\$113,445	\$25,586	\$637,632
Vanguard 500 Index Adm	\$5,051,423	\$0	\$0	-\$916,818	\$4,134,606
WCM Focused Int Growth Ins	\$1,564,213	\$100,020	-\$11,960	-\$457,523	\$1,194,750
Total	\$37,064,363	\$3,279,055	-\$3,336,134	-\$3,970,588	\$33,036,695

Contributions and withdrawals may include intra-account transfers between managers/funds. PIMCO All Asset Ins liquidated 06/24/2019. Owl Rock funded 07/31/2019. PIMCO Inflation Response Multi-Asset Ins liquidated 03/17/2020. WCM Focused Int Growth Ins funded on 06/01/2020. Baillie Gifford Emerging Markets funded on 06/30/2021.



Current		Policy			Current Balance	Current Allocation	Policy	Difference	%
				Domestic Equity	\$10,290,817	31.1%	31.0%	\$49,441	0.1%
				International Equity	\$7,913,419	24.0%	24.0%	-\$15,388	0.0%
				Domestic Fixed Income	\$7,276,984	22.0%	22.0%	\$8,911	0.0%
				Global Fixed Income	\$961,074	2.9%	3.0%	-\$30,027	-0.1%
	31.1%		31.0%	Real Estate	\$1,453,354	4.4%	5.0%	-\$198,481	-0.6%
				Private Credit	\$4,412,050	13.4%	15.0%	-\$543,454	-1.6%
				Cash and Equivalents	\$728,997	2.2%		\$728,997	2.2%
				Total	\$33,036,695	100.0%	100.0%		
	24.0%		24.0%						
	22.0%		22.0%						
	2.9%		3.0%						
	4.4%		5.0%						
	13.4%		15.0%						



				V	erus Internal A		Manager Reported		rted		
Vintage _Year	Estimated Market Value as of 12/31/2022	Total Commitment	Capital Called	% Called	Remaining Commitment	Capital Returned	Distrib./ Paid-In (DPI) <sup>1</sup>	Tot. Value/ Paid-In (TVPI) <sup>2</sup>	Market Value as of IRR date	Net IRR Since Inception <sup>5</sup>	IRR Date
Private Debt											
2017 Golub Capital Partners Intl 11, L.P.	\$2,012,500	\$2,300,000	\$2,012,500	87.5%	\$287,500	\$726,331	36%	136.7%	\$2,025,193	9.0%	9/30/2022
2017 TCP Direct Lending Fund VIII-L	\$637,632	\$1,100,000	\$925,104	84.1%	\$378,246	\$575,787	62%	138.1%	\$702,192	6.9%	9/30/2022
2019 Owl Rock First Lien Fund, L.P.	\$1,761,918	\$2,000,000	\$1,750,000	87.5%	\$250,000	\$287,424	16%	117.1%	\$1,761,918	8.7%	9/30/2022
Total Private Equity Investment - Illiquid	\$4,412,050	\$5,400,000	\$4,687,604	86.8%	\$915,746	\$1,589,542	33.9%	129.7%	\$4,489,303		
Percent of Total Plan Assets	13.4%										



<sup>&</sup>lt;sup>1</sup>(DPI) is equal to (capital returned / capital called)

<sup>&</sup>lt;sup>2</sup>(TVPI) is equal to (market value + capital returned) / capital called

<sup>&</sup>lt;sup>3</sup>Last known market value + capital calls - distributions

<sup>&</sup>lt;sup>4</sup>IRR currently unavailable for this fund

<sup>&</sup>lt;sup>5</sup>Net IRR is calculated on the cash flows of the underlying investments of the fund and is net of the underlying fund fees and carried interest

<sup>&</sup>lt;sup>6</sup>Estimated market value is based on 09/30/2022 reported evaluation, adjusted for 4Q22 cash flows.

Name	Allocation Group	Status	Performance Start Date	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7
Schwab Fundamental US Large Company Index	Domestic Equity	No Issues	02/25/2010							R
Vanguard 500 Index Adm	Domestic Equity	No Issues	03/29/2007							$\checkmark$
DFA US Micro Cap Ins	Domestic Equity	No Issues	03/16/2017	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
Schwab Fundamental Intl Large Company Index	International Equity	No Issues	05/31/2011							R
Dodge & Cox Intl Stock	International Equity	No Issues	03/29/2007	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
WCM Focused Int Growth Ins	International Equity	No Issues	06/01/2020	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
DFA Emerging Markets Value I	International Equity	No Issues	03/18/2014	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
Baillie Gifford Emerging Markets I	International Equity	No Issues	06/30/2021	R	R	R	$\checkmark$	$\checkmark$		
Met West Total Return Bond I	Domestic Fixed Income	No Issues	12/04/2014	R	R	$\checkmark$	$\checkmark$	$\checkmark$		
Dodge & Cox Income	Domestic Fixed Income	No Issues	12/05/2014	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
JP Morgan Emerging ETF	Global Fixed Income	No Issues	12/05/2014	R	R	$\checkmark$	R	$\checkmark$		
ASB Real Estate	Real Estate	No Issues	07/01/2016	$\checkmark$	$\checkmark$	$\checkmark$	R	$\checkmark$		
Golub Capital Partners Intl 11, L.P.	Private Credit	No Issues	10/01/2017	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
TCP Direct Lending Fund VIII-L	Private Credit	No Issues	12/31/2017	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
Owl Rock First Lien Fund, L.P.	Private Credit	No Issues	07/31/2019	$\checkmark$	$\checkmark$					



Rule 1 - Manager has underperformed the 75th percentile in the appropriate style universe for the one year period.

Rule 2 - Manager has underperformed the 50th percentile in the appropriate style universe for the three year period.

Rule 3 - Manager has underperformed the 50th percentile in the appropriate style universe for the five year period.

Rule 4 - Manager has underperformed the benchmark index for the five year period.

Rule 5 - Manager's risk level, measured by the 5-year annualized standard deviation, is more than 25% above the benchmark index's standard deviation.

Rule 6 - Fund experiences non-performance related issues including personnel turnover, changes in investment philosophy or drift, excessive asset growth, change in ownership and any other reason that raises concern.

Rule 7 - Index Fund Tracking Error exceeds 0.25% of the appropriate benchmark over the one year period.

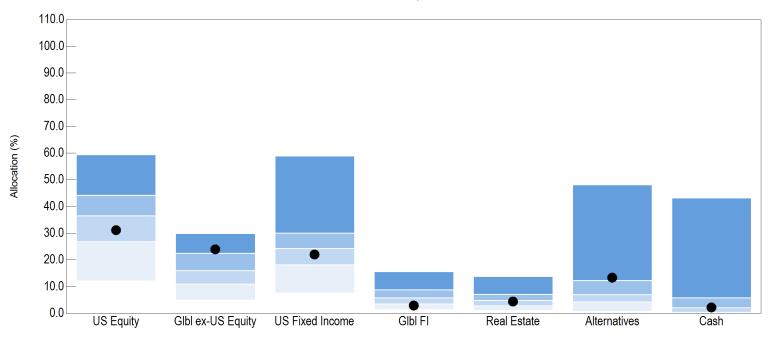
Name	Asset Class	Identifier	Expense Ratio	Market Value	Estimated Expense
Schwab Fundamental US Large Company Index	Domestic Equity	SFLNX	0.25%	\$4,457,126	\$11,143
Vanguard 500 Index Adm	Domestic Equity	VFIAX	0.04%	\$4,134,606	\$1,654
DFA US Micro Cap Ins	Domestic Equity	DFSCX	0.41%	\$1,699,085	\$6,966
Schwab Fundamental Intl Large Company Index	International Equity	SFNNX	0.25%	\$2,283,990	\$5,710
Dodge & Cox Intl Stock	International Equity	DODFX	0.62%	\$1,353,337	\$8,391
WCM Focused Int Growth Ins	International Equity	WCMIX	1.05%	\$1,194,750	\$12,545
DFA Emerging Markets Value I	International Equity	DFEVX	0.45%	\$1,730,190	\$7,786
Baillie Gifford Emerging Markets I	International Equity	BGEGX	0.89%	\$1,351,152	\$12,025
Met West Total Return Bond I	Domestic Fixed Income	MWTIX	0.45%	\$3,523,989	\$15,858
Dodge & Cox Income	Domestic Fixed Income	DODIX	0.41%	\$3,752,995	\$15,387
JP Morgan Emerging ETF	Global Fixed Income	EMB	0.39%	\$961,074	\$3,748
ASB Real Estate	Real Estate		1.25%	\$1,453,354	\$18,167
Golub Capital Partners Intl 11, L.P.	Private Credit		1.25%	\$2,012,500	\$25,156
TCP Direct Lending Fund VIII-L	Private Credit		1.25%	\$637,632	\$7,970
Owl Rock First Lien Fund, L.P.	Private Credit		1.00%	\$1,761,918	\$17,619
Schwab Cash	Cash and Equivalents	SWGXX		\$728,997	
Total			0.51%	\$33,036,695	\$170,126



	Anlzd Return	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sortino Ratio
Schwab Fundamental US Large Company Index	9.84%	22.31%	0.13%	1.03	0.91	106.28%	102.43%	0.06	6.89%	0.53
Vanguard 500 Index Adm	9.39%	20.61%	-0.04%	1.00	1.00	99.85%	100.08%	-4.14	0.01%	0.62
DFA US Micro Cap Ins	5.85%	29.28%	1.78%	0.99	0.99	109.39%	98.73%	0.55	3.13%	0.24
Schwab Fundamental Intl Large Company Index	2.25%	22.59%	0.61%	1.07	0.95	108.16%	100.91%	0.14	5.11%	0.12
Dodge & Cox Intl Stock	1.25%	24.17%	0.25%	1.13	0.93	113.88%	104.67%	0.05	6.73%	0.07
WCM Focused Int Growth Ins	6.73%	23.89%	5.79%	1.07	0.86	152.75%	98.14%	0.64	9.15%	0.44
DFA Emerging Markets Value I	-0.09%	23.48%	1.34%	1.03	0.91	102.48%	96.35%	0.18	7.24%	0.00
Baillie Gifford Emerging Markets I	-1.24%	27.03%	0.47%	1.23	0.98	138.50%	111.80%	0.02	6.30%	-0.09
Met West Total Return Bond I	0.09%	5.95%	0.06%	1.06	0.98	108.18%	105.24%	0.06	0.98%	0.02
Dodge & Cox Income	1.12%	5.69%	1.10%	0.91	0.79	113.96%	87.57%	0.41	2.65%	0.27
JP Morgan Emerging ETF	-1.75%	14.17%	-0.58%	1.17	0.99	117.49%	114.69%	-0.31	2.39%	-0.18



Total Plan Allocation vs. InvMetrics All Endowment < \$50mm Net



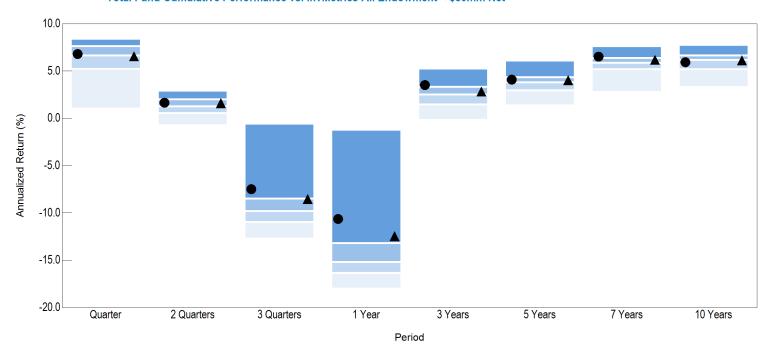
5th Percentile 25th Percentile
Median 75th Percentile
95th Percentile
# of Portfolios

Endowment Total Fund

Allocation (F	Rank)												
59.4		29.9		59.0		15.6		13.8		48.2		43.2	
44.3		22.5		30.1		8.9		7.2		12.3		5.9	
36.6		16.1		24.3		5.9		4.9		7.1		2.1	
26.9		11.0		18.3		3.6		2.8		4.4		0.5	
12.2		5.1		7.7		1.5		1.2		0.9		0.0	
129		130		129		24		43		75		142	
31.1	(69)	24.0	(20)	22.0	(61)	2.9	(80)	4.4	(59)	13.4	(23)	2.2	(49)



Total Fund Cumulative Performance vs. InvMetrics All Endowment < \$50mm Net

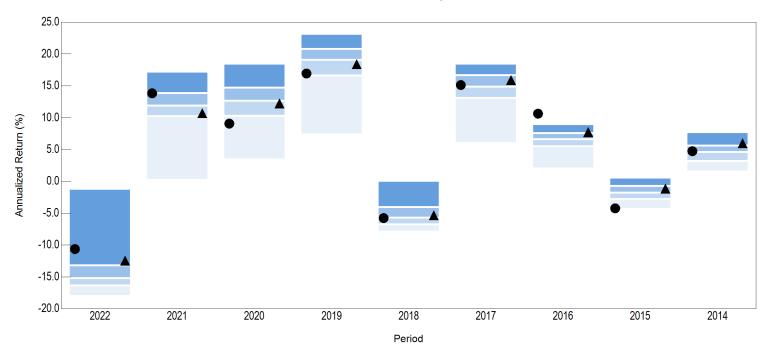


	5th Percentile 25th Percentile
	Median
	75th Percentile
	95th Percentile
	# of Portfolios
•	Endowment Total Fund Endowment Policy Index

8.4		2.9		-0.6		-1.2		5.2		6.1		7.6		7.7	
7.7		2.0		-8.5		-13.2		3.4		4.4		6.4		6.7	
6.7		1.3		-9.8		-15.1		2.5		3.8		5.9		6.2	
5.3		0.6		-10.9		-16.3		1.5		3.0		5.2		5.2	
1.0		-0.7		-12.7		-18.0		-0.1		1.4		2.8		3.3	
153		151		146		144		131		118		97		63	
6.8	(47)	1.7	(39)	-7.5	(19)	-10.6	(13)	3.5	(23)	4.1	(40)	6.5	(20)	5.9	(61)
6.6	(53)	1.6	(42)	-8.5	(28)	-12.4	(21)	2.8	(39)	4.0	(44)	6.2	(35)	6.1	(55)



Total Fund Consecutive Periods vs. InvMetrics All Endowment < \$50mm Net



	5th Percentile 25th Percentile
	Median
	75th Percentile
	95th Percentile
	# of Portfolios
•	Endowment Total Fund
	Endowment Policy Index

Return (R	Rank)																
-1.2		17.2		18.4		23.1		0.1		18.4		9.0		0.6		7.7	
-13.2		13.9		14.7		20.8		-4.0		16.7		7.6		-0.7		5.6	
-15.1		11.9		12.7		19.1		-5.7		14.9		6.6		-1.7		4.6	
-16.3		10.2		10.3		16.7		-6.7		13.1		5.5		-2.8		3.2	
-18.0		0.3		3.5		7.4		-7.9		6.0		2.1		-4.3		1.6	
144		223		241		225		274		216		209		204		173	
-10.6	(13)	13.8	(26)	9.1	(80)	16.9	(74)	-5.8	(52)	15.1	(49)	10.6	(1)	-4.2	(95)	4.7	(47)
-12.4	(21)	10.7	(69)	12.2	(58)	18.4	(63)	-5.3	(44)	15.9	(35)	7.7	(23)	-1.1	(33)	6.0	(15)



#### Performance Return Calculations

Performance is calculated using Modified Dietz and for time periods with large cash flow (generally greater than 10% of portfolio value), Time Weighted Rates of Return (TWRR) methodologies. Monthly returns are geometrically linked and annualized for periods longer than one year.

#### Data Source

Verus is an independent third party consulting firm and calculates returns from best source book of record data. Returns calculated by Verus may deviate from those shown by the manager in part, but not limited to, differences in prices and market values reported by the custodian and manager, as well as significant cash flows into or out of an account. It is the responsibility of the manager and custodian to provide insight into the pricing methodologies and any difference in valuation.

#### Illiquid Alternatives

Due to the inability to receive final valuation prior to report production, closed end funds (including but are not limited to Real Estate, Hedge Funds, Private Equity, and Private Credit) performance is typically reported at a one-quarter lag. Valuation is reported at a one-quarter lag, adjusted for current quarter flow (cash flows are captured real time). Closed end fund performance is calculated using a time-weighted return methodology consistent with all portfolio and total fund performance calculations. For Private Markets, performance reports also include Verus-calculated multiples based on flows and valuations (e.g. DPI and TVPI) and manager-provided IRRs.

<b>Current Managers</b>					
<u>Manager</u>	Fund Incepted	Data Source	<u>Manager</u>	Fund Incepted	Data Source
Schwab Fundamental US Large Company Index	2/25/2010	Charles Schwab	Met West Total Return Bond I	12/4/2014	Charles Schwab
Vanguard 500 Index Adm	3/29/2007	Charles Schwab	Dodge & Cox Income	12/5/2014	Charles Schwab
DFA US Micro Cap Ins	3/16/2017	Charles Schwab	JP Morgan Emerging ETF	12/5/2014	Charles Schwab
Schwab Fundamental Intl Large Company Index	5/31/2011	Charles Schwab	Schwab Govt Money Fund	6/14/2016	Charles Schwab
Dodge & Cox Intl Stock	3/29/2007	Charles Schwab	ASB Real Estate	6/30/2016	ASB
WCM Focused Int Growth Ins Baillie Gifford Emerging Markets I	6/1/2020 6/30/2021	Charles Schwab Charles Schwab	Golub Capital Partners International 11, L.P. Owl Rock First Lien Fund, L.P.	10/2/2017 7/31/2019	Golub Owl Rock
DFA Emerging Markets Value I	3/18/2014	Charles Schwab	Tennenbaum Capital Partners International 11, L.P.	10/2/2017	Tennenbaum
Terminated Managers (since January, 2014)	3/10/2014	Charles Ochwab	Termenbaum Capital Farthers International 11, E.F.	10/2/2017	rennenbadin
Manager	Fund Incepted	Fund_Terminated	Comments		
Vanguard Emerging Markets Stock ETF	3/29/2007	2/28/2014	DFA Emerging Markets Value and Brandes Emerging M	Narkets replaced Vangu	ard Emerging Markets
Valiguald Emerging Walkers Stock ETF	3/29/2007	2/20/2014	Stock ETF.	narrets replaced varige	dara Emerging Warkets
Vanguard Inflation Protected Securities	5/29/2007	8/31/2014	PIMCO Inflation Response Multi-Asset replaced Vangua	ard Inflation Protected	Securities.
Credit Suisse Commodity Return Strategy	8/23/2011	8/31/2014	GMO WF Advantage Absolute Return replaced Credit S	Suisse Commodity Retu	ırn Strategy.
PIMCO Total Return Ins	3/29/2007	12/4/2014	Met West Total Return Bond replaced PIMCO Total Ret	turn.	
JP Morgan High Yield Sel	5/22/2009	12/4/2014	Dodge & Cox Income replaced JP Morgan High Yield.		
Cohen & Steers Realty Shares	5/22/2009	6/9/2016	ASB Real Estate replaced Cohen & Steers Realty Share	es.	
Schwab Advance Cash Reserve Premier		6/14/2016	Schwab Govt Money Fund replaced Schwab Advance (	Cash Reserve Premier.	
Ironbridge Frontegra Small/Mid Cap Ins	3/29/2007	3/15/2017	DFA US Micro Cap replaced Ironbridge Frontegra Smal	I/Mid Cap.	
GMO WF Advantage Absolute Return Ins	9/17/2014	12/13/2018	Fund was liquidated from plan.	'	
PIMCO All Asset Ins	3/29/2007	6/24/2019	Fund was liquidated from plan.		
PIMCO Inflation Response Muilti-Asset Ins	9/17/2014	3/17/2020	Fund was liquidated from plan.		
Brandes Emerging Markets I	3/18/2014	6/30/2021	Baillie Gifford Emerging Markets replaced Brandes Eme	erging Markets	
Policy & Custom Index Composition	5/10/2011	3,00,202,	Talino Sinora Emolgrig manter replaced Diameter Emol	and marketor	
Policy Index	25% S&P 500, 6% Russ	ell 2000. 13% MSCI EA	FE, 11% MSCI Emerging Markets, 22% Bloomberg US Ac	gregate, 5% NCREIF	ODCE, 3% JP Morgan
(07/01/2019-Present)			an Index+2%. PIMCO Custom Benchmark is 45% Bloomb		
,	15% JPM ELMI + (Unhe	dged), 10% DJ U.S. Sel	lect REIT, 10% Bloomberg Gold Subindex.	,	,,
Policy Index	25% S&P 500, 6% Russ	ell 2000, 13% MSCI EA	FE, 11% MSCI Emerging Markets, 22% Bloomberg US Ag	gregate, 5% NCREIF	ODCE, 3% JP Morgan
(07/01/2016-6/30/2019)	EMBI Global TR, 15% F	IFRI Fund of Funds. PIN	ICO Custom Benchmark is 45% Bloomberg US TIPS, 20%	Bloomberg Commodit	y, 15% JPM ELMI +
	(Unhedged), 10% DJ U.	S. Select REIT, 10% Blo	pomberg Gold Subindex.		
Policy Index			FE, 11% MSCI Emerging Markets, 22% Bloomberg US Ag		
(12/01/2014-6/30/2016)			1CO Custom Benchmark is 45% Bloomberg US TIPS, 20%	Bloomberg Commodit	y, 15% JPM ELMI +
	(Unhedged), 10% DJ U.	·	· ·		
Policy Index			FE, 11% MSCI Emerging Markets, 22% Bloomberg US Ag		
(09/01/2014-11/30/2014)			O Custom Benchmark is 45% Bloomberg US TIPS, 20% E	Bloomberg Commodity,	15% JPM ELMI +
	(Unhedged), 10% DJ U.		•	. 50/ 51	
Policy Index			FE, 6% MSCI Emerging Markets, 18% Bloomberg US Agg	gregate, 5% Bloomberg	US TIPS, 5% FTSE
(09/01/2011-8/31/2014)	NAREIT All, 5% Bloomb	erg US High Yield, 6% l	HFRI Fund of Funds, 5% Bloomberg Commodity		

Since inception returns for composites are as of the first full month.



#### Glossary

Allocation Effect: An attribution effect that describes the amount attributable to the managers' asset allocation decisions, relative to the benchmark.

Alpha: The excess return of a portfolio after adjusting for market risk. This excess return is attributable to the selection skill of the portfolio manager. Alpha is calculated as: Portfolio Return - [Risk-free Rate + Portfolio Beta x (Market Return - Risk-free Rate)].

**Beachmark R-squared:** Measures how well the Benchmark return series fits the manager's return series. The higher the Benchmark R-squared, the more appropriate the benchmark is for the manager. **Beta:** A measure of systematic, or market risk; the part of risk in a portfolio or security that is attributable to general market movements. Beta is calculated by dividing the covariance of a security by the variance of the market.

**Book-to-Market:** The ratio of book value per share to market price per share. Growth managers typically have low book-to-market ratios while value managers typically have high book-to-market ratios. Capture Ratio: A statistical measure of an investment manager's overall performance in up or down markets. The capture ratio is used to evaluate how well an investment manager performed relative to an index during periods when that index has risen (up market) or fallen (down market). The capture ratio is calculated by dividing the manager's returns by the returns of the index during the up/down market, and multiplying that factor by 100.

Correlation: A measure of the relative movement of returns of one security or asset class relative to another over time. A correlation of 1 means the returns of two securities move in lock step, a correlation of -1 means the returns of two securities move in the exact opposite direction over time. Correlation is used as a measure to help maximize the benefits of diversification when constructing an investment portfolio.

**Excess Return:** A measure of the difference in appreciation or depreciation in the price of an investment compared to its benchmark, over a given time period. This is usually expressed as a percentage and may be annualized over a number of years or represent a single period.

Information Ratio: A measure of a manager's ability to earn excess return without incurring additional risk. Information ratio is calculated as: excess return divided by tracking error.

**Interaction Effect:** An attribution effect that describes the portion of active management that is contributable to the cross interaction between the allocation and selection effect. This can also be explained as an effect that cannot be easily traced to a source.

**Portfolio Turnover:** The percentage of a portfolio that is sold and replaced (turned over) during a given time period. Low portfolio turnover is indicative of a buy and hold strategy while high portfolio turnover implies a more active form of management.

**Price-to-Earnings Ratio (P/E):** Also called the earnings multiplier, it is calculated by dividing the price of a company's stock into earnings per share. Growth managers typically hold stocks with high price-to-earnings ratios whereas value managers hold stocks with low price-to-earnings ratios.

**R-Squared:** Also called the coefficient of determination, it measures the amount of variation in one variable explained by variations in another, i.e., the goodness of fit to a benchmark. In the case of investments, the term is used to explain the amount of variation in a security or portfolio explained by movements in the market or the portfolio's benchmark.

Selection Effect: An attribution effect that describes the amount attributable to the managers' stock selection decisions, relative to the benchmark.

**Sharpe Ratio:** A measure of portfolio efficiency. The Sharpe Ratio indicates excess portfolio return for each unit of risk associated with achieving the excess return. The higher the Sharpe Ratio, the more efficient the portfolio. Sharpe ratio is calculated as: Portfolio Excess Return / Portfolio Standard Deviation.

**Sortino Ratio:** Measures the risk-adjusted return of an investment, portfolio, or strategy. It is a modification of the Sharpe Ratio, but penalizes only those returns falling below a specified benchmark. The Sortino Ratio uses downside deviation in the denominator rather than standard deviation, like the Sharpe Ratio.

**Standard Deviation:** A measure of volatility, or risk, inherent in a security or portfolio. The standard deviation of a series is a measure of the extent to which observations in the series differ from the arithmetic mean of the series. For example, if a security has an average annual rate of return of 10% and a standard deviation of 5%, then two-thirds of the time, one would expect to receive an annual rate of return between 5% and 15%.

Style Analysis: A return based analysis designed to identify combinations of passive investments to closely replicate the performance of funds

**Style Map:** A specialized form or scatter plot chart typically used to show where a Manager lies in relation to a set of style indices on a two-dimensional plane. This is simply a way of viewing the asset loadings in a different context. The coordinates are calculated by rescaling the asset loadings to range from -1 to 1 on each axis and are dependent on the Style Indices comprising the Map.

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Verus receives universe data from InvMetrics, eVestment Alliance, and Morningstar. We believe this data to be robust and appropriate for peer comparison. Nevertheless, these universes may not be comprehensive of all peer investors/managers but rather of the investors/managers that comprise that database. The resulting universe composition is not static and will change over time. Returns are annualized when they cover more than one year. Investment managers may revise their data after report distribution. Verus will make the appropriate correction to the client account but may or may not disclose the change to the client based on the materiality of the change.

### **University Corporation at Monterey Bay - Operating**

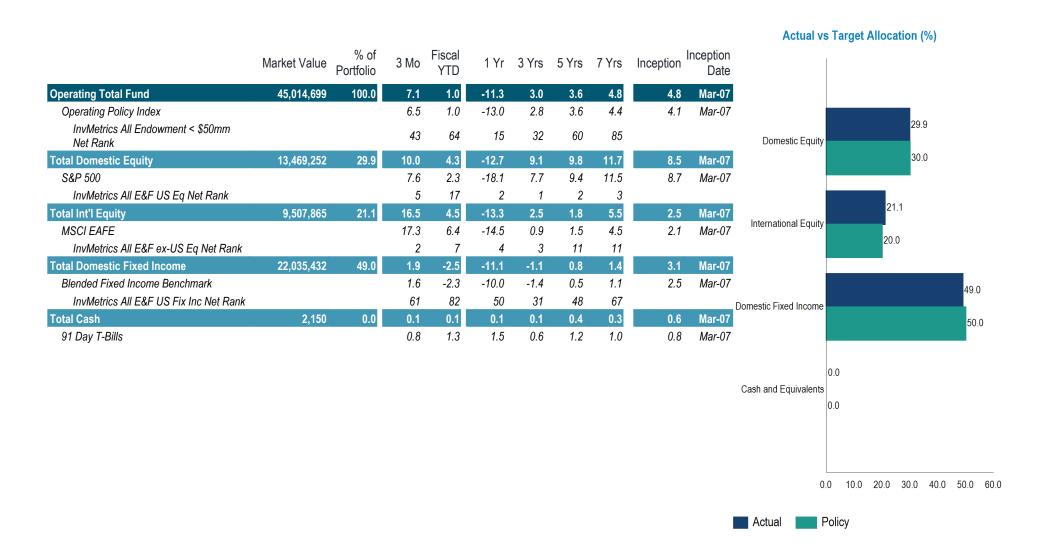
**Investment Performance Review** 

Period Ending: December 31, 2022



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Operating Policy Index (as of 6/1/20): 30% S&P 500 Index, 20% MSCI EAFE Index, 25% Bloomberg US Aggregate Index, 15% ICE BofAML 1-3 YR Treasury Index, 10% Bloomberg US TIPS Index. Bloomberg US TIPS Index, 30% Bloomberg US 1-5 YR Credit Index. US Equity Benchmark changed to S&P 500 Index. International Equity Benchmark changed to MSCI EAFE Index. Vanguard Short Term Bond Adm Benchmark changed to ICE BofAML 1-3 YR Treasury Index. Schwab Govt Money Fund replaced Schwab Adv Cash Reserve Premier Pre on 6/14/16. Vanguard Short Term Investment Grade Adm and PIMCO All Asset Ins liquidated on 6/1/20. WCM Focused Intl Growth Ins funded on 6/1/20. Fiscal year end: 6/30.



	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	2022	2021	2020	2019	2018	Inception	Inception Date
Operating Total Fund	45,014,699	100.0	7.1	-11.3	3.0	3.6	4.8	4.3	-11.3	11.9	10.2	13.3	-3.6	4.8	Mar-07
Operating Policy Index			6.5	-13.0	2.8	3.6	4.4	4.3	-13.0	10.5	12.9	13.0	-2.5	4.1	Mar-07
InvMetrics All Endowment < \$50mm Net Rank			43	15	32	60	85	90	15	51	76	89	20		
Total Domestic Equity	13,469,252	29.9	10.0	-12.7	9.1	9.8	11.7	12.4	-12.7	30.2	14.3	30.2	-5.8	8.5	Mar-07
S&P 500			7.6	-18.1	7.7	9.4	11.5	12.6	-18.1	28.7	18.4	31.5	-4.4	8.7	Mar-07
InvMetrics All E&F US Eq Net Rank			5	2	1	2	3	1	2	2	92	56	47		
Schwab Fundamental US Large Company Index	6,866,856	15.3	12.5	-6.9	10.2	9.8	11.7	12.3	-6.9	31.6	9.2	28.9	-7.3	12.2	Feb-10
S&P 500			7.6	-18.1	7.7	9.4	11.5	12.6	-18.1	28.7	18.4	31.5	-4.4	12.4	Feb-10
Large Cap MStar MF Rank			23	22	5	15	12	28	22	6	69	56	67		
Vanguard 500 Index Adm	6,602,395	14.7	7.5	-18.2	7.6	9.4	11.4	12.5	-18.2	28.7	18.4	31.5	-4.4	8.7	Mar-07
S&P 500			7.6	-18.1	7.7	9.4	11.5	12.6	-18.1	28.7	18.4	31.5	-4.4	8.8	Mar-07
Large Cap MStar MF Rank			58	52	34	24	18	20	52	21	46	32	38		
Total Int'l Equity	9,507,865	21.1	16.5	-13.3	2.5	1.8	5.5	4.9	-13.3	14.2	8.9	20.4	-15.9	2.5	Mar-07
MSCI EAFE			17.3	-14.5	0.9	1.5	4.5	4.7	-14.5	11.3	7.8	22.0	-13.8	2.1	Mar-07
InvMetrics All E&F ex-US Eq Net Rank			2	4	3	11	11	16	4	4	89	86	57		
Schwab Fundamental Intl Large Company Index	4,806,179	10.7	18.2	-7.9	3.2	2.2	5.8	5.2	-7.9	14.4	4.4	18.1	-13.9	4.0	Jul-11
MSCIEAFE			17.3	-14.5	0.9	1.5	4.5	4.7	-14.5	11.3	7.8	22.0	-13.8	3.9	Jul-11
MSCI EAFE Value			19.6	-5.6	0.6	0.2	3.7	3.5	-5.6	10.9	-2.6	16.1	-14.8		
Foreign MStar MF Rank			20	9	11	23	18	30	9	17	82	84	30		
Dodge & Cox Int'l Stock	2,410,252	5.4	16.0	-6.8	1.9	1.2	5.2	4.8	-6.8	11.0	2.1	22.8	-18.0	2.7	Mar-07
MSCI ACWI ex USA			14.3	-16.0	0.1	0.9	4.8	3.8	-16.0	7.8	10.7	21.5	-14.2	2.4	Mar-07
MSCI ACWI ex USA Value			15.7	-8.6	0.1	-0.1	4.2	2.7	-8.6	10.5	-0.8	15.7	-14.0		
Foreign MStar MF Rank			53	6	26	49	30	43	6	49	89	50	76		
WCM Focused Intl Growth Ins	2,291,434	5.1	13.4	-28.9	3.4	6.7	9.0	8.9	-28.9	17.0	32.8	35.2	-7.3	4.7	Jun-20
MSCI ACWI ex USA			14.3	-16.0	0.1	0.9	4.8	3.8	-16.0	7.8	10.7	21.5	-14.2	6.5	Jun-20
MSCI ACWI ex USA Growth			12.9	-23.1	-0.4	1.5	5.2	4.7	-23.1	5.1	22.2	27.3	-14.4		
Foreign Growth MStar MF Rank			62	67	9	2	3	4	67	8	18	7	4		

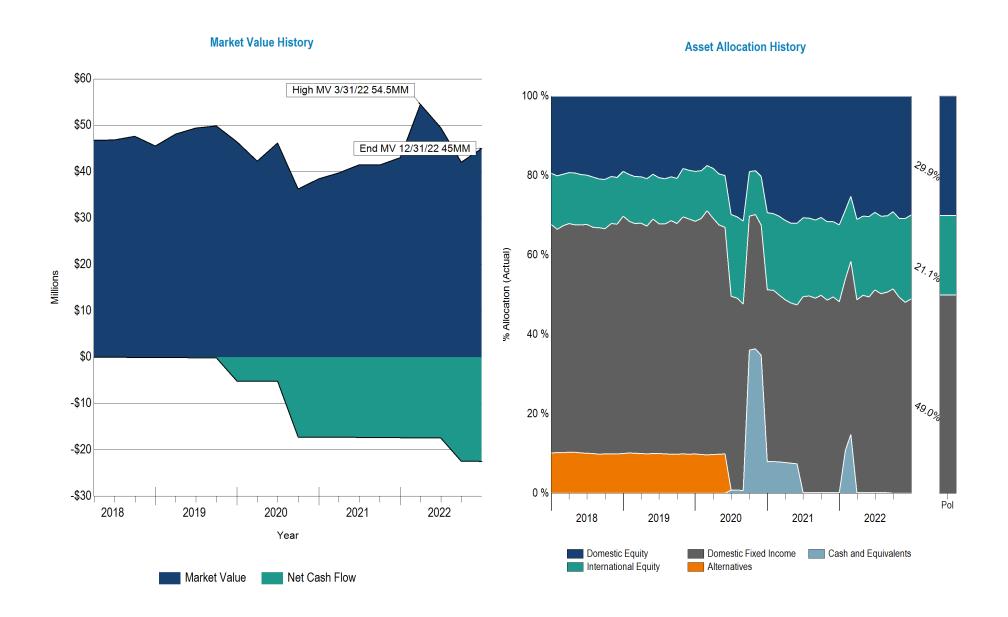
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	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	2022	2021	2020	2019	2018	Inception	Inception Date
Total Domestic Fixed Income	22,035,432	49.0	1.9	-11.1	-1.1	0.8	1.4	1.1	-11.1	0.9	8.0	7.1	0.2	3.1	Mar-07
Blended Fixed Income Benchmark			1.6	-10.0	-1.4	0.5	1.1	0.9	-10.0	0.2	6.2	6.8	0.4	2.5	Mar-07
InvMetrics All E&F US Fix Inc Net Rank			61	50	31	48	67	74	50	18	46	83	30		
Met West Total Return Bond I	5,491,003	12.2	1.7	-14.8	-2.8	0.1	0.9	1.3	-14.8	-1.1	9.2	9.1	0.2	0.9	Dec-14
Bloomberg US Aggregate TR			1.9	-13.0	-2.7	0.0	0.9	1.1	-13.0	-1.5	7.5	8.7	0.0	0.9	Dec-14
Intermediate Core Bond MStar MF Rank			42	91	63	39	59	29	91	33	21	29	26		
Dodge & Cox Income	5,578,815	12.4	2.8	-10.9	-1.1	1.1	2.2	2.1	-10.9	-0.9	9.5	9.7	-0.3	1.8	Dec-14
Bloomberg US Aggregate TR			1.9	-13.0	-2.7	0.0	0.9	1.1	-13.0	-1.5	7.5	8.7	0.0	0.9	Dec-14
Intermediate Core Bond MStar MF Rank			2	10	7	3	1	4	10	20	14	13	51		
Vanguard Inflation-Protected Securities Adm	6,493,838	14.4	1.8	-11.9	1.1	2.0	2.5	1.0	-11.9	5.7	11.0	8.2	-1.4	3.3	Mar-07
Bloomberg US TIPS TR			2.0	-11.8	1.2	2.1	2.6	1.1	-11.8	6.0	11.0	8.4	-1.3	3.5	Mar-07
Inflation-Protected Bond MStar MF Rank			68	60	66	64	40	46	60	44	32	49	53		
Vanguard Short-Term Bond Adm	4,471,776	9.9	1.1	-5.5	-0.7	0.8	0.9	0.9	-5.5	-1.1	4.7	4.9	1.3	0.9	Dec-14
ICE BofA 1-3 Yrs US Treasuries TR			0.7	-3.7	-0.4	0.8	0.7	0.7	-3.7	-0.6	3.1	3.6	1.6	0.8	Dec-14
Short-Term Bond MStar MF Rank			62	73	82	78	83	84	73	92	25	48	41		
Total Cash	2,150	0.0	0.1	0.1	0.1	0.4	0.3	0.2	0.1	0.0	0.0	0.6	1.2	0.6	Mar-07
91 Day T-Bills			0.8	1.5	0.6	1.2	1.0	0.7	1.5	0.0	0.5	2.1	1.9	0.8	Mar-07
Schwab Cash	2,150	0.0	0.1	0.1	0.1	0.4	0.3	0.2	0.1	0.0	0.0	0.6	1.2	0.3	Jun-16
91 Day T-Bills			0.8	1.5	0.6	1.2	1.0	0.7	1.5	0.0	0.5	2.1	1.9	1.1	Jun-16

Operating Policy Index (as of 6/1/20): 30% S&P 500 Index, 20% MSCI EAFE Index, 25% Bloomberg US Aggregate Index, 15% ICE BofAML 1-3 YR Treasury Index, 10% Bloomberg US TIPS Index. Blended Fixed Income Benchmark: 50% Bloomberg US Aggregate Index, 20% Bloomberg US TIPS Index, 30% Bloomberg US 1-5 YR Credit Index. US Equity Benchmark changed to S&P 500 Index. International Equity Benchmark changed to MSCI EAFE Index. Vanguard Short Term Bond Adm Benchmark changed to ICE BofAML 1-3 YR Treasury Index. Schwab Govt Money Fund replaced Schwab Adv Cash Reserve Premier Pre on 6/14/16. Vanguard Short Term Investment Grade Adm and PIMCO All Asset Ins liquidated on 6/1/20. WCM Focused Intl Growth Ins funded on 6/1/20. Fiscal year end: 6/30.







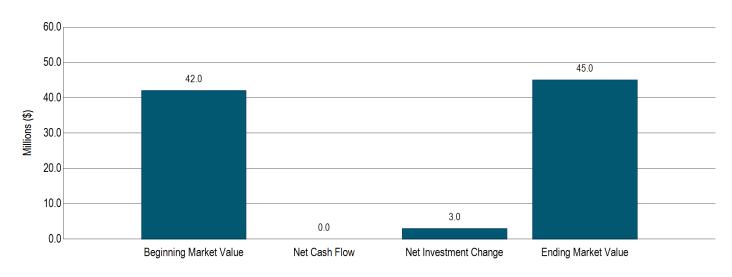
	Anlzd Return	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Operating Total Fund	3.62%	9.13%	-0.05%	1.01	0.96	102.75%	102.14%	-0.01	1.84%	0.26	0.52
Operating Policy Index	3.64%	8.86%	0.00%	1.00	1.00	100.00%	100.00%	-	0.00%	0.27	0.58
Total Domestic Equity	9.76%	18.83%	0.36%	1.00	0.98	99.35%	99.00%	0.12	2.73%	0.45	0.85
S&P 500	9.42%	18.69%	0.00%	1.00	1.00	100.00%	100.00%	-	0.00%	0.44	0.82
Total Int'l Equity	1.77%	19.23%	0.11%	1.08	0.96	115.86%	104.22%	0.06	3.97%	0.03	0.15
MSCI EAFE	1.54%	17.52%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	0.02	0.14
Total Domestic Fixed Income	0.77%	4.44%	0.16%	1.14	0.98	115.61%	108.87%	0.26	0.88%	-0.11	0.20
Blended Fixed Income Benchmark	0.53%	3.85%	0.00%	1.00	1.00	100.00%	100.00%		0.00%	-0.18	0.17



#### **Portfolio Reconciliation**

	Last Three Months	Fiscal Year- To-Date	2022	2021	2020	2019	2018
Beginning Market Value	\$42,041,580	\$49,515,623	\$43,038,109	\$38,451,184	\$46,441,541	\$45,533,130	\$47,224,063
Net Cash Flow	\$0	-\$5,000,025	\$7,999,975	\$13	-\$12,000,176	-\$5,000,126	\$0
Net Investment Change	\$2,973,119	\$499,101	-\$6,023,385	\$4,586,912	\$4,009,819	\$5,908,537	-\$1,690,933
Ending Market Value	\$45,014,699	\$45,014,699	\$45,014,699	\$43,038,109	\$38,451,184	\$46,441,541	\$45,533,130

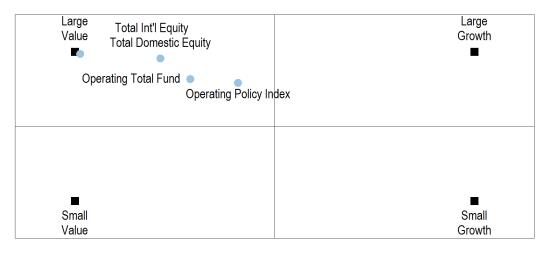
#### Change in Market Value Last Three Months



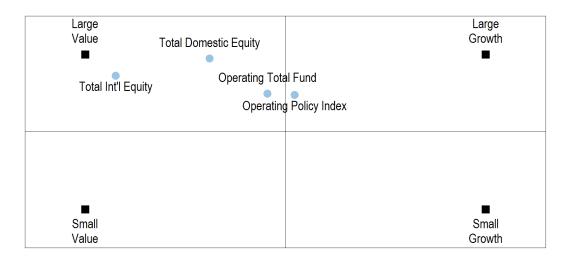
Contributions and withdrawals may include intra-account transfers between managers/funds.



U.S. Effective Style Map 1 Year



U.S. Effective Style Map 3 Years





	Beginning Market Value	Contributions	Withdrawals	Net Investment Change	Ending Market Value
Dodge & Cox Income	\$5,129,336	\$1,800,040	-\$650,000	-\$700,561	\$5,578,815
Dodge & Cox Int'l Stock	\$2,033,396	\$700,040	-\$175,000	-\$148,184	\$2,410,252
Met West Total Return Bond I	\$5,057,562	\$1,900,040	-\$500,000	-\$966,600	\$5,491,003
Schwab Cash	\$77,348	\$17,925,000	-\$18,000,285	\$87	\$2,150
Schwab Fundamental Intl Large Company Index	\$4,140,853	\$1,350,000	-\$300,000	-\$384,674	\$4,806,179
Schwab Fundamental US Large Company Index	\$6,870,916	\$1,500,000	-\$1,000,000	-\$504,060	\$6,866,856
Vanguard 500 Index Adm	\$7,087,809	\$1,600,040	-\$700,000	-\$1,385,454	\$6,602,395
Vanguard Inflation-Protected Securities Adm	\$6,317,734	\$1,850,020	-\$750,000	-\$923,916	\$6,493,838
Vanguard Short-Term Bond Adm	\$4,154,925	\$1,350,040	-\$750,000	-\$283,189	\$4,471,776
WCM Focused Intl Growth Ins	\$2,168,229	\$950,040	-\$100,000	-\$726,836	\$2,291,434
Total	\$43,038,109	\$30,925,260	-\$22,925,285	-\$6,023,385	\$45,014,699

Contributions and withdrawals may include intra-account transfers between managers/funds. Vanguard Short Term Investment Grade Adm and PIMCO All Asset Ins liquidated on 6/1/20. WCM Focused Intl Growth Ins funded on 6/1/20.



Current		Policy			Current Balance	Current Allocation	Policy	Difference	%
				Domestic Equity	\$13,469,252	29.9%	30.0%	-\$35,158	-0.1%
				International Equity	\$9,507,865	21.1%	20.0%	\$504,925	1.1%
				Domestic Fixed Income	\$22,035,432	49.0%	50.0%	-\$471,918	-1.0%
				Cash and Equivalents	\$2,150	0.0%		\$2,150	0.0%
	29.9%		30.0%	Total	\$45,014,699	100.0%	100.0%		
	21.1%		20.0%						
	49.0%		50.0%						
	0.0%		0.0%						



Name	Allocation Group	Status	Performance Start Date	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7
Schwab Fundamental US Large Company Index	Domestic Equity	No Issues	02/25/2010							R
Vanguard 500 Index Adm	Domestic Equity	No Issues	03/07/2007			-				$\checkmark$
Schwab Fundamental Intl Large Company Index	International Equity	No Issues	07/11/2011							R
Dodge & Cox Int'l Stock	International Equity	No Issues	03/09/2007	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
WCM Focused Intl Growth Ins	International Equity	No Issues	06/01/2020	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
Met West Total Return Bond I	Domestic Fixed Income	No Issues	12/04/2014	B	R	$\checkmark$	$\checkmark$	$\checkmark$		
Dodge & Cox Income	Domestic Fixed Income	No Issues	12/05/2014	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
Vanguard Inflation-Protected Securities Adm	Domestic Fixed Income	No Issues	03/07/2007	$\checkmark$	R	B	R	$\checkmark$		
Vanguard Short-Term Bond Adm	Domestic Fixed Income	No Issues	12/05/2014							R
Schwab Cash	Cash and Equivalents	No Issues	06/14/2016				R	$\checkmark$		



Rule 1 - Manager has underperformed the 75th percentile in the appropriate style universe for the one year period.

Rule 2 - Manager has underperformed the 50th percentile in the appropriate style universe for the three year period.

Rule 3 - Manager has underperformed the 50th percentile in the appropriate style universe for the five year period.

Rule 4 - Manager has underperformed the benchmark index for the five year period.

Rule 5 - Manager's risk level, measured by the 5-year annualized standard deviation, is more than 25% above the benchmark index's standard deviation.

Rule 6 - Fund experiences non-performance related issues including personnel turnover, changes in investment philosophy or drift, excessive asset growth, change in ownership and any other reason that raises concern.

Rule 7 - Index Fund Tracking Error exceeds 0.25% of the appropriate benchmark over the one year period.

Name	Asset Class	Identifier	Expense Ratio	Market Value	Estimated Expense
Schwab Fundamental US Large Company Index	Domestic Equity	SFLNX	0.25%	\$6,866,856	\$17,167
Vanguard 500 Index Adm	Domestic Equity	VFIAX	0.04%	\$6,602,395	\$2,641
Schwab Fundamental Intl Large Company Index	International Equity	SFNNX	0.25%	\$4,806,179	\$12,015
Dodge & Cox Int'l Stock	International Equity	DODFX	0.62%	\$2,410,252	\$14,944
WCM Focused Intl Growth Ins	International Equity	WCMIX	1.06%	\$2,291,434	\$24,289
Met West Total Return Bond I	Domestic Fixed Income	MWTIX	0.44%	\$5,491,003	\$24,160
Dodge & Cox Income	Domestic Fixed Income	DODIX	0.41%	\$5,578,815	\$22,873
Vanguard Inflation-Protected Securities Adm	Domestic Fixed Income	VAIPX	0.10%	\$6,493,838	\$6,494
Vanguard Short-Term Bond Adm	Domestic Fixed Income	VBIRX	0.07%	\$4,471,776	\$3,130
Schwab Cash	Cash and Equivalents	SWGXX	0.34%	\$2,150	\$7
Total			0.28%	\$45,014,699	\$127,721

Mutual fund fees shown are sourced from Morningstar and are as of the most current prospectus.



	Anlzd Return	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Schwab Fundamental US Large Company Index	9.84%	19.63%	0.36%	1.01	0.92	98.52%	98.49%	0.07	5.64%	0.44	0.72
Vanguard 500 Index Adm	9.39%	18.69%	-0.04%	1.00	1.00	99.88%	100.04%	-4.03	0.01%	0.44	0.82
Schwab Fundamental Intl Large Company Index	2.25%	19.48%	0.59%	1.08	0.94	110.91%	101.80%	0.14	5.09%	0.05	0.17
Dodge & Cox Int'l Stock	1.25%	21.26%	0.22%	1.17	0.90	137.73%	109.16%	0.05	7.39%	0.00	0.09
WCM Focused Intl Growth Ins	6.73%	19.43%	5.85%	0.99	0.77	127.42%	94.57%	0.63	9.23%	0.28	0.49
Met West Total Return Bond I	0.10%	5.53%	0.07%	1.08	0.98	108.00%	104.73%	0.09	0.79%	-0.20	0.02
Dodge & Cox Income	1.12%	5.10%	1.10%	0.92	0.84	103.07%	87.66%	0.53	2.08%	-0.01	0.29
Vanguard Inflation-Protected Securities Adm	1.96%	5.65%	-0.09%	0.97	0.99	95.16%	97.44%	-0.30	0.49%	0.13	0.41
Vanguard Short-Term Bond Adm	0.78%	2.25%	-0.22%	1.29	0.79	146.57%	161.42%	0.01	1.12%	-0.18	0.43



70.0

Total Plan Allocation vs. InvMetrics All Endowment < \$50mm Net

60.0 50.0 Allocation (%) 40.0 30.0 20.0 10.0 0.0 Cash Alternatives **US** Equity Glbl ex-US Glbl Equity US Fixed Glbl ex-US FI Glbl FI Real Estate Equity Income

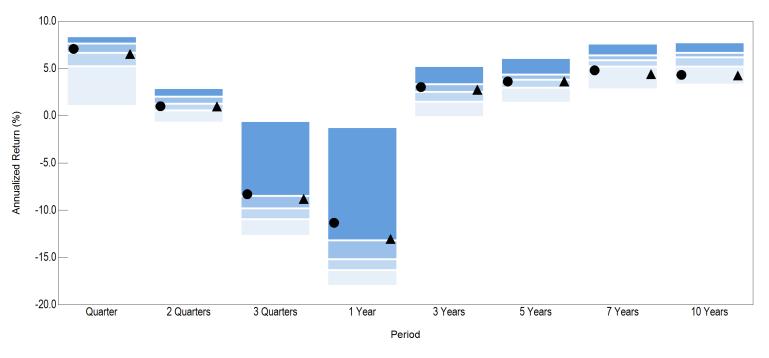
5th Percentile 25th Percentile Median 75th Percentile 95th Percentile # of Portfolios

Operating Total Fund

Allocatio	n (Rank	<b>(</b> )											
59.4	•	29.9		26.0	59.0		6.1	15.6	13.8	48.2		43.2	
44.3		22.5		17.4	30.1		5.0	8.9	7.2	12.3		5.9	
36.6		16.1		13.4	24.3		3.4	5.9	4.9	7.1		2.1	
26.9		11.0		8.3	18.3		2.4	3.6	2.8	4.4		0.5	
12.2		5.1		4.8	7.7		1.5	1.5	1.2	0.9		0.0	
129		130		37	129		17	24	43	75		142	
29.9	(72)	21.1	(34)		 49.0	(7)		 	 	 0.0	(99)	0.0	(99)



#### Total Fund Cumulative Performance vs. InvMetrics All Endowment < \$50mm Net



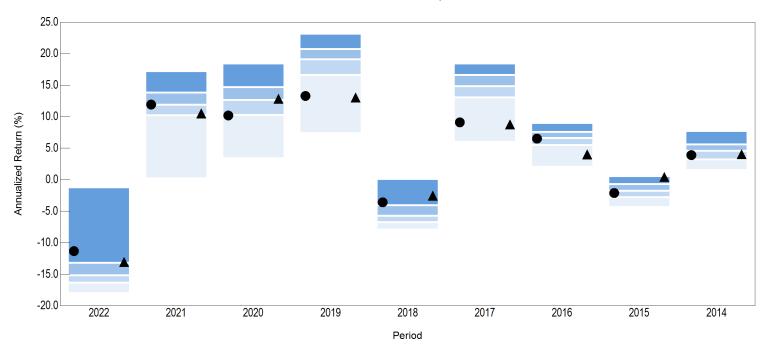
5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

Operating Total FundOperating Policy Index

Return (Rank	<b>(</b> )														
8.4		2.9		-0.6		-1.2		5.2		6.1		7.6		7.7	
7.7		2.0		-8.5		-13.2		3.4		4.4		6.4		6.7	
6.7		1.3		-9.8		-15.1		2.5		3.8		5.9		6.2	
5.3		0.6		-10.9		-16.3		1.5		3.0		5.2		5.2	
1.0		-0.7		-12.7		-18.0		-0.1		1.4		2.8		3.3	
153		151		146		144		131		118		97		63	
7.1	(43)	1.0	(64)	-8.3	(23)	-11.3	(15)	3.0	(32)	3.6	(60)	4.8	(85)	4.3	(90)
6.5	(54)	1.0	(65)	-8.8	(31)	-13.0	(25)	2.8	(41)	3.6	(60)	4.4	(89)	4.3	(91)



#### Total Fund Consecutive Periods vs. InvMetrics All Endowment < \$50mm Net



5th Percentile
25th Percentile
Median
75th Percentile
95th Percentile
# of Portfolios

Operating Total FundOperating Policy Index

Return (Ra	ank)																
-1.2		17.2		18.4		23.1		0.1		18.4		9.0		0.6		7.7	
-13.2		13.9		14.7		20.8		-4.0		16.7		7.6		-0.7		5.6	
-15.1		11.9		12.7		19.1		-5.7		14.9		6.6		-1.7		4.6	
-16.3		10.2		10.3		16.7		-6.7		13.1		5.5		-2.8		3.2	
-18.0		0.3		3.5		7.4		-7.9		6.0		2.1		-4.3		1.6	
144		223		241		225		274		216		209		204		173	
-11.3 -13.0	(15) (25)	11.9 10.5	(51) (71)	10.2 12.9	(76) (49)	13.3 13.0	(89) (90)	-3.6 -2.5	(20) (10)	9.1 8.8	(93) (93)	6.5 4.0	(53) (89)	-2.1 0.4	(59) (6)	3.9 4.0	(62) (59)



#### Performance Return Calculations

Performance is calculated using Modified Dietz and for time periods with large cash flow (generally greater than 10% of portfolio value), Time Weighted Rates of Return (TWRR) methodologies. Monthly returns are geometrically linked and annualized for periods longer than one year.

#### Data Source

Verus is an independent third party consulting firm and calculates returns from best source book of record data. Returns calculated by Verus may deviate from those shown by the manager in part, but not limited to, differences in prices and market values reported by the custodian and manager, as well as significant cash flows into or out of an account. It is the responsibility of the manager and custodian to provide insight into the pricing methodologies and any difference in valuation.

#### Illiquid Alternatives

Due to the inability to receive final valuation prior to report production, closed end funds (including but are not limited to Real Estate, Hedge Funds, Private Equity, and Private Credit) performance is typically reported at a one-quarter lag. Valuation is reported at a one-quarter lag, adjusted for current quarter flow (cash flows are captured real time). Closed end fund performance is calculated using a time-weighted return methodology consistent with all portfolio and total fund performance calculations. For Private Markets, performance reports also include Verus-calculated multiples based on flows and valuations (e.g. DPI and TVPI) and manager-provided IRRs.

<b>Current Managers</b>					
<u>Manager</u>	Fund_Incepted	Data_Source	<u>Manager</u>	<u>Fund_Incepted</u>	Data_Source
Vanguard Inflation-Protected Securities Adm	3/7/2007	Charles Schwab	Met West Total Return Bond I	12/4/2014	Charles Schwab
Vanguard 500 Index Adm	3/7/2007	Charles Schwab	Vanguard Short-Term Bond Adm	12/5/2014	Charles Schwab
Dodge & Cox Int'l Stock	3/9/2007	Charles Schwab	Dodge & Cox Income	12/5/2014	Charles Schwab
Schwab Fundamental US Large Company Index	2/25/2010	Charles Schwab	Schwab Govt Money Fund	6/14/2016	Charles Schwab
Schwab Fundamental Intl Large Company Index	7/11/2011	Charles Schwab	WCM Focused Intl Growth Ins	6/1/2020	Charles Schwab

Terminated Managers (since January, 2014)			
<u>Manager</u>	Fund Incepted	Fund_Terminated	Comments
PIMCO Total Return Ins	3/26/2007	12/4/2014	Met West Total Return Bond I replaced PIMCO Total Return Ins
PIMCO Low Duration Ins	3/26/2007	12/4/2014	Vanguard Short-Term Bond Adm replaced PIMCO Low Duration Ins
Schwab Advance Cash Reserve Premier		6/4/2016	Schwab Govt Money Fund replaced Schwab Advance Cash Reserve Premier
PIMCO All Asset Ins	3/29/2007	6/1/2020	
Vanguard Short Term Investment Grade Adm	8/23/2011	6/1/2020	
Policy & Custom Index Composition			

#### Policy & Custom Index Composition

Policy Index 30% S&P 500 Index, 20% MSCI EAFE Index, 25% Bloomberg US Aggregate Index, 15% BofAML 1-3 YR Treasury Index, 10% Bloomberg US TIPS (06/01/2020-Present) Index.

18% S&P 500 Index, 12% MSCI EAFE Index, 15% Bloomberg US Aggregate Index, 15% BofAML 1-3 YR Treasury Index, 15% Bloomberg US TIPS

(07/01/2011-05/31/2020) Index. 10% HFRI Fund of Funds Index. 15% Bloombera US 1-5 YR Credit Index.

Policy Index 18% S&P 500 Index, 12% MSCI EAFE Index, 15% Bloomberg US Aggregate Index, 15% BofAML 1-3 YR Treasury Index, 15% Bloomberg US TIPS (04/01/2009-07/01/2011)

Index, 10% HFRI Fund of Funds Index, 15% 90-Day T-Bills Index

#### Other Notes

Policy Index



#### Glossary

Allocation Effect: An attribution effect that describes the amount attributable to the managers' asset allocation decisions, relative to the benchmark.

Alpha: The excess return of a portfolio after adjusting for market risk. This excess return is attributable to the selection skill of the portfolio manager. Alpha is calculated as: Portfolio Return - [Risk-free Rate + Portfolio Beta x (Market Return - Risk-free Rate)].

**Beachmark R-squared:** Measures how well the Benchmark return series fits the manager's return series. The higher the Benchmark R-squared, the more appropriate the benchmark is for the manager. **Beta:** A measure of systematic, or market risk; the part of risk in a portfolio or security that is attributable to general market movements. Beta is calculated by dividing the covariance of a security by the variance of the market.

**Book-to-Market:** The ratio of book value per share to market price per share. Growth managers typically have low book-to-market ratios while value managers typically have high book-to-market ratios. Capture Ratio: A statistical measure of an investment manager's overall performance in up or down markets. The capture ratio is used to evaluate how well an investment manager performed relative to an index during periods when that index has risen (up market) or fallen (down market). The capture ratio is calculated by dividing the manager's returns by the returns of the index during the up/down market, and multiplying that factor by 100.

Correlation: A measure of the relative movement of returns of one security or asset class relative to another over time. A correlation of 1 means the returns of two securities move in lock step, a correlation of -1 means the returns of two securities move in the exact opposite direction over time. Correlation is used as a measure to help maximize the benefits of diversification when constructing an investment portfolio.

**Excess Return:** A measure of the difference in appreciation or depreciation in the price of an investment compared to its benchmark, over a given time period. This is usually expressed as a percentage and may be annualized over a number of years or represent a single period.

Information Ratio: A measure of a manager's ability to earn excess return without incurring additional risk. Information ratio is calculated as: excess return divided by tracking error.

**Interaction Effect:** An attribution effect that describes the portion of active management that is contributable to the cross interaction between the allocation and selection effect. This can also be explained as an effect that cannot be easily traced to a source.

**Portfolio Turnover:** The percentage of a portfolio that is sold and replaced (turned over) during a given time period. Low portfolio turnover is indicative of a buy and hold strategy while high portfolio turnover implies a more active form of management.

**Price-to-Earnings Ratio (P/E):** Also called the earnings multiplier, it is calculated by dividing the price of a company's stock into earnings per share. Growth managers typically hold stocks with high price-to-earnings ratios whereas value managers hold stocks with low price-to-earnings ratios.

**R-Squared:** Also called the coefficient of determination, it measures the amount of variation in one variable explained by variations in another, i.e., the goodness of fit to a benchmark. In the case of investments, the term is used to explain the amount of variation in a security or portfolio explained by movements in the market or the portfolio's benchmark.

Selection Effect: An attribution effect that describes the amount attributable to the managers' stock selection decisions, relative to the benchmark.

**Sharpe Ratio:** A measure of portfolio efficiency. The Sharpe Ratio indicates excess portfolio return for each unit of risk associated with achieving the excess return. The higher the Sharpe Ratio, the more efficient the portfolio. Sharpe ratio is calculated as: Portfolio Excess Return / Portfolio Standard Deviation.

**Sortino Ratio:** Measures the risk-adjusted return of an investment, portfolio, or strategy. It is a modification of the Sharpe Ratio, but penalizes only those returns falling below a specified benchmark. The Sortino Ratio uses downside deviation in the denominator rather than standard deviation, like the Sharpe Ratio.

**Standard Deviation:** A measure of volatility, or risk, inherent in a security or portfolio. The standard deviation of a series is a measure of the extent to which observations in the series differ from the arithmetic mean of the series. For example, if a security has an average annual rate of return of 10% and a standard deviation of 5%, then two-thirds of the time, one would expect to receive an annual rate of return between 5% and 15%.

Style Analysis: A return based analysis designed to identify combinations of passive investments to closely replicate the performance of funds

**Style Map:** A specialized form or scatter plot chart typically used to show where a Manager lies in relation to a set of style indices on a two-dimensional plane. This is simply a way of viewing the asset loadings in a different context. The coordinates are calculated by rescaling the asset loadings to range from -1 to 1 on each axis and are dependent on the Style Indices comprising the Map.

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Verus receives universe data from InvMetrics, eVestment Alliance, and Morningstar. We believe this data to be robust and appropriate for peer comparison. Nevertheless, these universes may not be comprehensive of all peer investors/managers but rather of the investors/managers that comprise that database. The resulting universe composition is not static and will change over time. Returns are annualized when they cover more than one year. Investment managers may revise their data after report distribution. Verus will make the appropriate correction to the client account but may or may not disclose the change to the client based on the materiality of the change.



## 2023 CSUMB Investment Committee Plan Investment-Related Work Plan

February 2023

Frequency	Tasks
Annual Tasks	<ul> <li>Asset Allocation Review</li> <li>IPS Review</li> <li>Annual audit assistance</li> </ul>
Quarterly Tasks	<ul> <li>Review Portfolio Performance (2 Portfolios)</li> <li>Review Quarterly Investment Landscape</li> </ul>
As-Needed Tasks	<ul><li>Manager searches &amp; replacements</li><li>Rebalances for donor in/outflows</li></ul>
Topical Research	<ul> <li>Verus annual Capital Market Assumptions (est. release January 2023)</li> <li>Verus annual Active Management Environment (est. release February 2023)</li> <li>Verus annual Real Assets Outlook (est. release May 2023)</li> <li>Verus annual Private Equity Outlook (est. release October 2023)</li> </ul>

Meeting Date	Draft Agendas		
February	<ul> <li>Quarterly Performance Review</li> <li>Review Quarterly Investment Landscape</li> <li>Sustainability Metrics Finalization</li> <li>Sustainable Domestic Large Cap Index Search</li> <li>Review 2023 Work Plan</li> <li>2023 Meeting Dates</li> </ul>		
May	<ul> <li>Quarterly Performance Review</li> <li>Review Quarterly Investment Landscape</li> <li>Verus Annual Capital Market Assumptions</li> <li>Asset Allocation Review</li> <li>NACUBO 2022 update</li> </ul>		
August (If needed)	<ul> <li>Quarterly Performance Review</li> <li>Review Quarterly Investment Landscape</li> <li>IPS Review</li> <li>Sustainable Non-US Equity Manager Searches</li> <li>Private Credit Recommendation</li> <li>Annual audit assistance (August)</li> </ul>		
November	<ul> <li>Review Quarterly Investment Landscape</li> <li>Verus annual Private Equity outlook</li> <li>Sustainable Emerging Market Equity Manager Searches</li> </ul>		