

**September 30, 2021** 

Fund Evaluation Report





Agenda

# Agenda

- 1. Executive Summary
- 2. Performance Update As of September 30, 2021
- 3. Disclaimer, Glossary, and Notes

MEKETA INVESTMENT GROUP Page 2 of 31

# Executive Summary As of September 30, 2021



**Executive Summary** 

## DPFP Trailing One-Year Flash Summary

Category	Results	Notes
Total Fund Performance Return	Positive	7.4%
Performance vs. Policy Index	Underperformed	7.4% vs. 17.3%
Performance vs. Peers <sup>1</sup>	Underperformed	7.4% vs. 21.1% median (99th percentile in peer group)
Asset Allocation vs. Targets	Detracted	Overweight Real Estate and underweight Public Equities hurt
Public Active Management	Positive	5/9 public managers beat benchmarks
DPFP Public Markets vs. 60/40²	Outperformed	17.4% vs. 16.3%
DPFP Public Markets vs. Peers	Underperformed	17.4% vs. 21.1%
Safety Reserve Exposure	Sufficient	\$251.9 million (approximately 12.9%)
Compliance with Targets	Yes	All asset classes in compliance

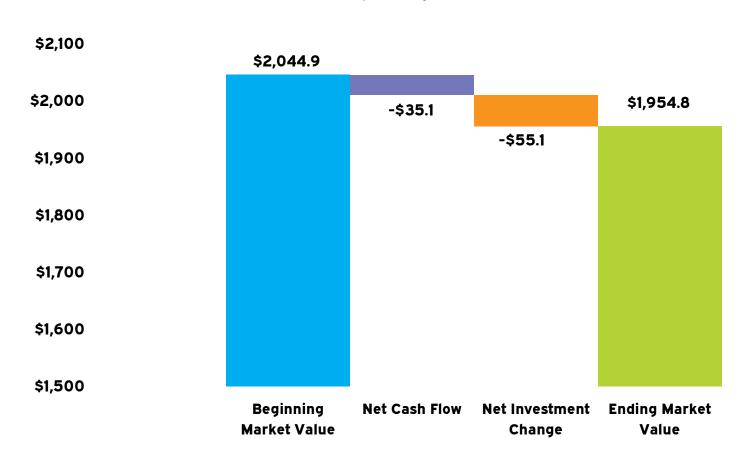
MEKETA INVESTMENT GROUP
Page 4 of 31

<sup>&</sup>lt;sup>1</sup> InvestorForce Public DB \$1-5 billion net.

<sup>&</sup>lt;sup>2</sup> Performance of Total Fund excluding private market investments relative to a 60% MSCI ACWI IMI Net/40% Barclays Global Aggregate Index.



#### Quarterly Change in Market Value

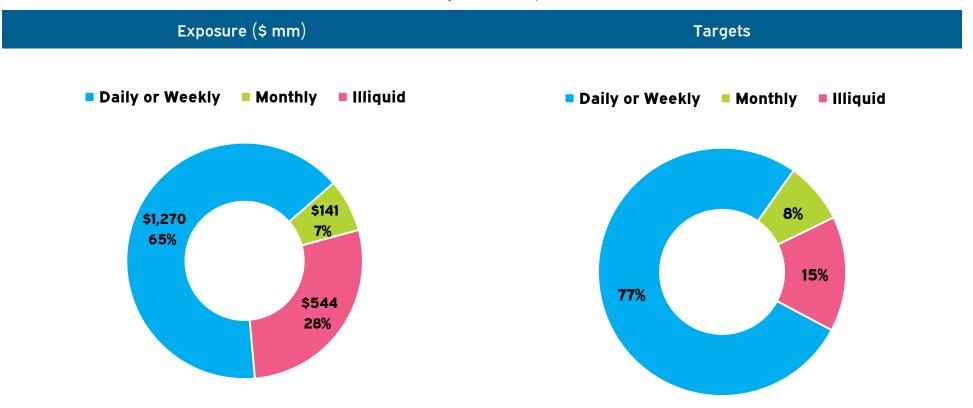


• Total market value decreased due to negative investment performance and net outflows.



**Liquidity Exposure** 

As of September 30, 2021



• Approximately 28% of the DPFP's assets are illiquid versus 15% of the target allocation.





## **Quarterly Manager Scorecard**

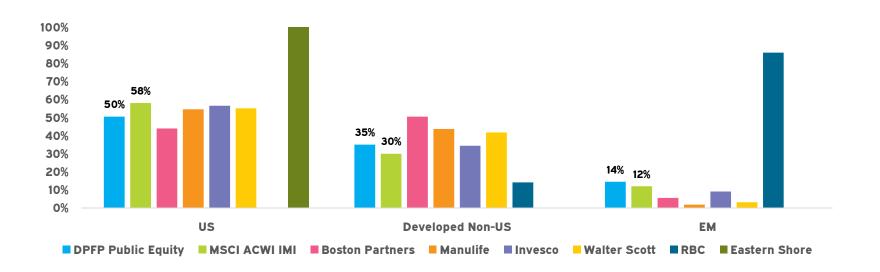
	1 Yr Outperformance vs. Benchmark	3 Yr Outperformance vs. Benchmark	5 Yr Outperformance vs. Benchmark
Boston Partners Global Equity Fund	Yes	No	NA
Manulife Global Equity Strategy	No	No	NA
Invesco (fka OFI) Global Equity	Yes	Yes	Yes
Walter Scott Global Equity Fund	No	Yes	Yes
Eastern Shore US Small Cap	NA	NA	NA
RBC Emerging Markets Equity	No	No	NA
IR&M 1-3 Year Strategy	Yes	Yes	NA
Longfellow Core Fixed Income	Yes	No	NA
Pacific Asset Management Corporate (Bank) Loans	No	No	NA
Loomis US High Yield Fund	NA	NA	NA
Ashmore EM Blended Debt	Yes	No	NA

MEKETA INVESTMENT GROUP Page 7 of 31





	Market Value (\$)	% of DPFP Public Equity (%)	us (%)	Developed Non-US (%)	EM (%)
NT MSCI ACWI IMI	195,582,420.00	23	58	30	12
Boston Partners	141,634,194.00	16	44	51	6
Manulife	134,899,666.00	16	55	44	2
Invesco	134,220,355.00	16	57	34	9
Walter Scott	132,719,110.00	15	55	42	3
RBC	87,473,010.00	10	0	14	86
Eastern Shore	38,045,874.00	4	100	0	0
Total DPFP Public Equity	\$864,574,629.00	100	50	35	14
MSCI ACWI IMI			58	30	12

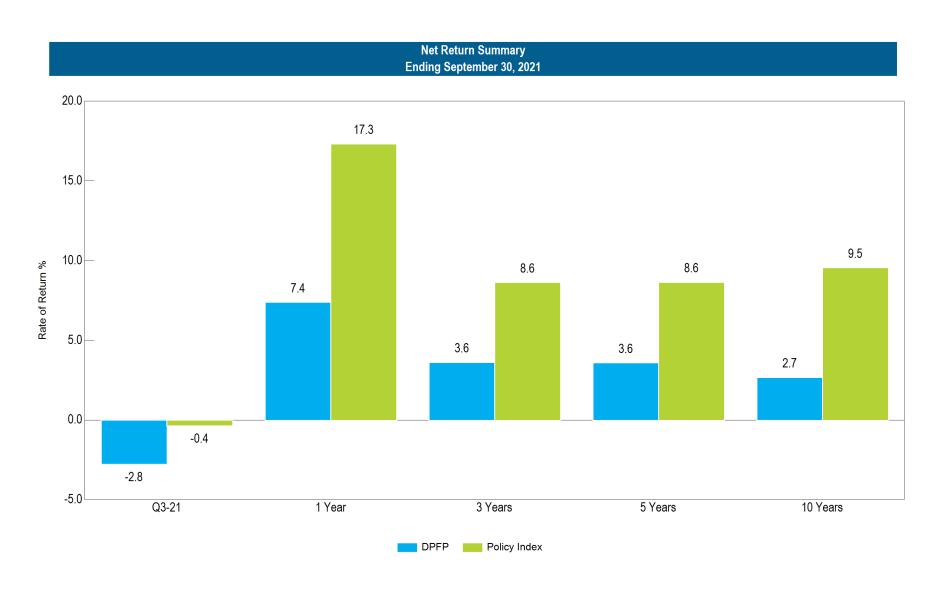


MEKETA INVESTMENT GROUP Page 8 of 31

# Performance Update As of September 30, 2021

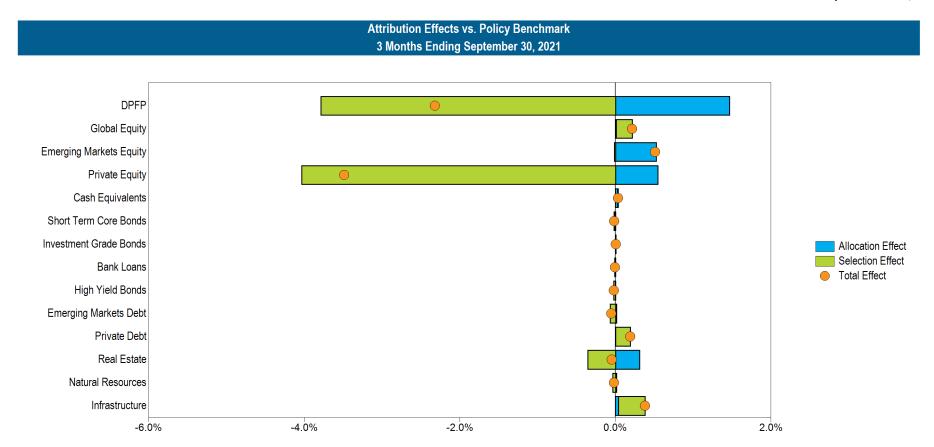


DPFP | As of September 30, 2021





DPFP | As of September 30, 2021

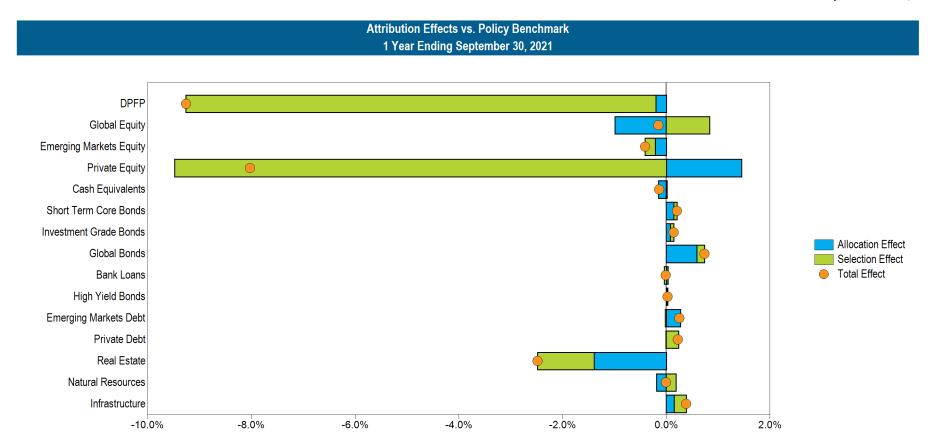


Attribution Summary											
	31	Months Ending Septem	ber 30, 2021								
	Wtd. Actual	Wtd. Index	Excess	Selection	Allocation	Total					
	Return	Return	Return	Effect	Effect	Effects					
Total	-2.6%	-0.2%	-2.3%	-3.8%	1.5%	-2.3%					

The performance calculation methodology in attribution tables is different from the standard time weighted returns (geometric linkage of monthly returns) found throughout the rest of the report. In attribution tables, the average weight of each asset class (over the specified time period) is multiplied by the time period performance of that asset class and summed. Values may not sum due to rounding.

MEKETA INVESTMENT GROUP
Page 11 of 31

DPFP | As of September 30, 2021



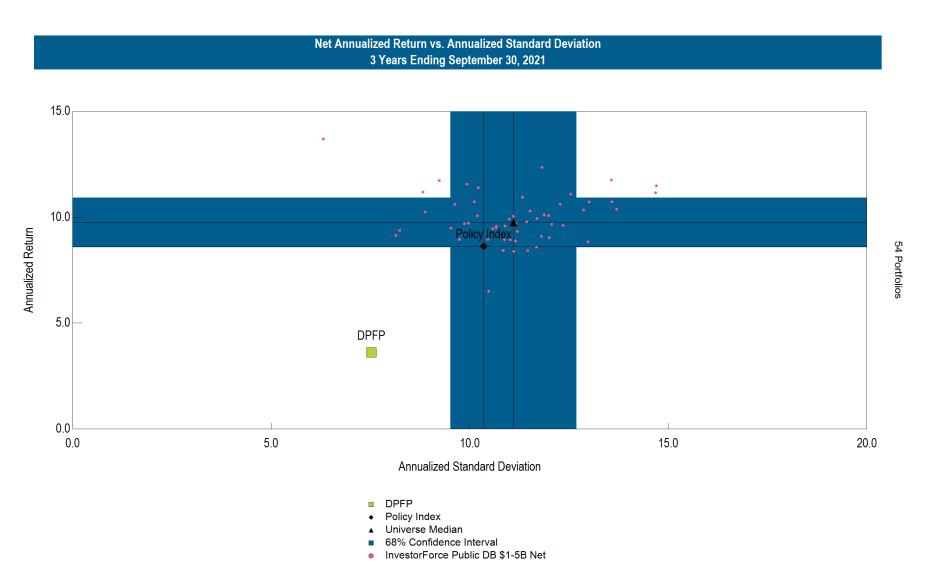
		Attribution Summ	ary			
	1	Year Ending Septembe	er 30, 2021			
	Wtd. Actual	Wtd. Index	Excess	Selection	Allocation	Total
	Return	Return	Return	Effect	Effect	Effects
Total	7.6%	16.9%	-9.3%	-9.1%	-0.2%	-9.3%

The performance calculation methodology in attribution tables is different from the standard time weighted returns (geometric linkage of monthly returns) found throughout the rest of the report. In attribution tables, the average weight of each asset class (over the specified time period) is multiplied by the time period performance of that asset class and summed. Values may not sum due to rounding.

MEKETA INVESTMENT GROUP Page 12 of 31



DPFP | As of September 30, 2021





DPFP | As of September 30, 2021

As	set Class Perfo	rmance Su	ımmary	(Net)						
	Market Value (\$)	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	S.I. (%)	S.I. Date
DPFP	1,954,803,317	100.0	-2.8	1.7	7.4	3.6	3.6	2.7	5.7	Jun-96
Policy Index			-0.4	6.9	17.3	8.6	8.6	9.5	<del></del>	Jun-96
Allocation Index			1.4	9.7	17.9	8.5	8.5	9.3	7.5	Jun-96
Total Fund Ex Private Markets			-0.7	6.5	17.4	9.2	8.3	8.2	6.0	Jun-96
60% MSCI ACWI IMI Net/40% Bloomberg Global Aggregate Index			-1.0	5.0	16.3	9.5	8.8	8.0	6.5	Jun-96
Global Equity	777,101,619	39.8	-0.4	12.6	30.7	13.1	14.2	12.5	8.0	Jul-06
MSCI ACWI IMI Net USD			-1.1	11.4	28.9	12.4	13.1	12.0	7.5	Jul-06
Emerging Markets Equity	87,473,010	4.5	-8.1	-4.9	12.5	8.0			4.3	Jan-18
MSCI Emerging Market IMI Net			-7.4	0.7	20.8	9.1	9.3	6.2	4.8	Jan-18
Private Equity	133,247,182	6.8	-30.8	-35.9	-39.4	-19.3	-18.3	-10.4	-4.4	Oct-05
Cambridge Associates US All PE (1 Qtr Lag)			13.0	39.1	53.9	20.8	19.5	15.2	14.4	Oct-05
Cash Equivalents	82,237,620	4.2	0.1	0.2	0.2	1.2	1.2		1.2	Apr-15
91 Day T-Bills			0.0	0.0	0.0	1.0	1.1	0.6	0.9	Apr-15
Short Term Core Bonds	169,624,936	8.7	0.1	0.3	8.0	3.4	_		2.6	Jun-17
Bloomberg US Aggregate 1-3 Yr TR			0.1	0.1	0.3	2.8	1.8	1.5	2.1	Jun-17
Investment Grade Bonds	76,206,070	3.9	0.1	-0.7	0.7		_		3.9	Oct-19
Bloomberg US Aggregate TR			0.1	-1.6	-0.9	5.4	2.9	3.0	3.0	Oct-19
Bank Loans	76,321,849	3.9	1.1	4.0	7.4	4.2	4.9		4.3	Jan-14
Credit Suisse Leveraged Loan			1.1	4.7	8.5	4.1	4.6		4.1	Jan-14
High Yield Bonds	76,991,170	3.9	0.4	3.2	11.5	4.7	6.2	6.5	6.2	Dec-10
Bloomberg US Corporate High Yield TR			0.9	4.5	11.3	6.9	6.5	7.4	6.7	Dec-10
Emerging Markets Debt	64,985,571	3.3	-4.5	-5.7	3.9	2.1	2.3	3.1	2.8	Dec-10
50% JPM EMBI/50% JPM GBI-EM			-1.9	-3.9	3.5	4.7	3.0	3.4	3.2	Dec-10
Private Debt	6,721,157	0.3	68.0	114.7	110.0	22.0	11.0		9.3	Jan-16
BBg US High Yield+2%			1.4	6.1	13.5	9.0	8.6	9.6	10.4	Jan-16

MEKETA INVESTMENT GROUP Page 14 of 31



DPFP | As of September 30, 2021

Asset Class Performance Summary (Net)											
	Market Value (\$)	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	S.I. (%)	S.I. Date	
Real Estate	231,205,072	11.8	0.9	8.0	0.8	0.6	2.7	-3.4	3.5	Mar-85	
NCREIF Property (1 Qtr Lag)			3.6	6.6	7.4	5.5	6.1	8.8	7.9	Mar-85	
Natural Resources	118,784,255	6.1	0.9	5.5	7.5	2.8	-0.4	2.9	3.7	Dec-10	
NCREIF Farmland Total Return Index (1 Qtr Lag)			1.5	4.0	5.0	4.8	5.5	10.2	10.5	Dec-10	
Infrastructure	53,903,088	2.8	16.0	33.9	34.1	-0.8	10.2		5.7	Jul-12	
S&P Global Infrastructure TR USD			1.5	7.0	23.0	6.7	6.0	7.8	7.4	Jul-12	

MEKETA INVESTMENT GROUP
Page 15 of 31

<sup>&</sup>lt;sup>1</sup> Please see the Appendix for composition of the Custom Benchmarks. <sup>2</sup> As of 9/30/2021, the Safety Reserve exposure was approximately \$251.9 million (12.9%).

<sup>&</sup>lt;sup>3</sup> All private market data is one quarter lagged, unless otherwise noted. <sup>4</sup> Lone Star Funds 12/31/2020 valuation used <sup>5</sup> Museum Tower 12/31/2020 valuation used.



DPFP | As of September 30, 2021

	Trai	ling Net I	Perform	ance							
	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	S.I. (%)	S.I. Date
DPFP	1,954,803,317	100.0		-2.8	1.7	7.4	3.6	3.6	2.7	5.7	Jun-96
Policy Index			- 1	-0.4	6.9	17.3	8.6	8.6	9.5		Jun-96
Allocation Index				1.4	9.7	17.9	8.5	8.5	9.3	7.5	Jun-96
Total Fund Ex Private Markets				-0.7	6.5	17.4	9.2	8.3	8.2	6.0	Jun-96
60% MSCI ACWI IMI Net/40% Bloomberg Global Aggregate Index				-1.0	5.0	16.3	9.5	8.8	8.0	6.5	Jun-96
InvestorForce Public DB \$1-5B Net Rank				99	99	99	99	99	99	98	Jun-96
Total Equity	997,821,811	51.0	51.0	-6.4	1.1	12.0	5.5	2.1	6.4	4.8	Dec-10
MSCI ACWI IMI Net USD				-1.1	11.4	28.9	12.4	13.1	12.0	9.5	Dec-10
Public Equity	864,574,629	44.2	86.6	-1.0	11.1	29.1	13.0	13.8	12.4	7.9	Jul-06
MSCI ACWI IMI Net USD				-1.1	11.4	28.9	12.4	13.1	12.0	7.5	Jul-06
eV All Global Equity Net Rank				62	57	46	47	42	45	39	Jul-06
Global Equity	777,101,619	39.8	89.9	-0.4	12.6	30.7	13.1	14.2	12.5	8.0	Jul-06
MSCI ACWI IMI Net USD				-1.1	11.4	28.9	12.4	13.1	12.0	7.5	Jul-06
eV All Global Equity Net Rank				43	44	38	45	37	42	37	Jul-06
Boston Partners Global Equity Fund	141,634,194	7.2	18.2	-1.2	17.5	43.6	8.3			8.7	Jul-17
MSCI World Net				0.0	13.0	28.8	13.1	13.7	12.7	13.1	Jul-17
MSCI World Value				-0.8	13.8	31.7	6.7	8.6	9.6	7.0	Jul-17
eV Global All Cap Equity Net Rank				59	10	11	81			78	Jul-17
Manulife Global Equity Strategy	134,899,666	6.9	17.4	0.3	14.3	26.8	12.5			10.6	Jul-17
MSCI ACWI Net				-1.1	11.1	27.4	12.6	13.2	11.9	12.5	Jul-17
MSCI ACWI Value NR USD				-1.4	12.6	31.3	6.5	8.4	8.9	6.8	Jul-17
eV Global Large Cap Value Eq Net Rank				6	42	72	9			14	Jul-17

<sup>&</sup>lt;sup>1</sup> All Private Equity market values are one quarter lagged unless otherwise noted.

MEKETA INVESTMENT GROUP Page 16 of 31

<sup>&</sup>lt;sup>2</sup>60% MSCI ACWI IMI Net/40% Bloomberg Global Aggregate Index composed of 60% MSCI ACWI (Net)/ 40% Bloomberg Global Aggregate in periods before 2/1/1997.



DPFP | As of September 30, 2021

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	S.I. (%)	S.I. Date
Invesco (fka OFI) Global Equity	134,220,355	6.9	17.3	-0.5	10.7	30.4	16.5	17.8	14.9	8.7	Oct-07
MSCI ACWI Net				-1.1	11.1	27.4	12.6	13.2	11.9	6.1	Oct-07
MSCI ACWI Growth				-0.7	9.5	23.8	18.3	17.8	14.7	8.4	Oct-07
eV Global Large Cap Growth Eq Net Rank			- 1	46	43	20	74	50	69	59	Oct-07
Walter Scott Global Equity Fund	132,719,110	6.8	17.1	1.2	10.1	24.8	14.7	15.9	13.5	11.4	Dec-09
MSCI ACWI Net				-1.1	11.1	27.4	12.6	13.2	11.9	9.9	Dec-09
MSCI ACWI Growth				-0.7	9.5	23.8	18.3	17.8	14.7	12.5	Dec-09
eV Global Large Cap Growth Eq Net Rank			- 1	19	44	59	91	90	92	87	Dec-09
NT ACWI Index IMI	195,582,420	10.0	25.2	-1.3						6.0	Apr-21
MSCI ACWI IMI Net USD			- 1	-1.1	11.4	<i>28.9</i>	12.4	13.1	12.0	6.0	Apr-21
Eastern Shore US Small Cap	38,045,874	1.9	4.9							-4.9	Sep-21
Russell 2000				-4.4	12.4	47.7	10.5	13.4	14.6	-2.9	Sep-21
eV US Small Cap Equity Net Rank			- 1						-	96	Sep-21
Emerging Markets Equity	87,473,010	4.5	10.1	-8.1	-4.9	12.5	8.0			4.3	Jan-18
MSCI Emerging Market IMI Net				-7.4	0.7	20.8	9.1	9.3	6.2	4.8	Jan-18
eV Emg Mkts Equity Net Rank				65	83	88	70		-	59	Jan-18
RBC Emerging Markets Equity	87,473,010	4.5	100.0	-8.1	-4.9	12.5	8.0			4.3	Jan-18
MSCI Emerging Market IMI Net			- 1	-7.4	0.7	20.8	9.1	9.3	6.2	4.8	Jan-18
eV Emg Mkts Equity Net Rank				65	83	88	70			59	Jan-18
Private Equity	133,247,182	6.8	13.4	-30.8	-35.9	-39.4	-19.3	-18.3	-10.4	-4.4	Oct-05
Cambridge Associates US All PE (1 Qtr Lag)				13.0	39.1	53.9	20.8	19.5	15.2	14.4	Oct-05

<sup>&</sup>lt;sup>1</sup> All Private Equity market values are one quarter lagged unless otherwise noted.

MEKETA INVESTMENT GROUP Page 17 of 31

<sup>&</sup>lt;sup>2</sup> Lone Star Funds 12/31/2020 valuation used.



DPFP | As of September 30, 2021

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	S.I. (%)	S.I. Date
Total Fixed Income and Cash	553,089,091	28.3	28.3	0.3	1.2	4.0	3.6	3.3	4.7	5.1	Jul-06
Bloomberg Multiverse TR			- 1	-0.9	-3.8	-0.4	4.3	2.2	2.1	3.7	Jul-06
eV All Global Fixed Inc Net Rank			- 1	28	37	47	88	63	36	39	Jul-06
Cash Equivalents	82,237,620	4.2	14.9	0.1	0.2	0.2	1.2	1.2		1.2	Apr-15
91 Day T-Bills			- 1	0.0	0.0	0.0	1.0	1.1	0.6	0.9	Apr-15
Public Fixed Income	464,130,314	23.7	83.9	-0.3	0.4	3.7	3.8	4.3	5.2	5.0	Dec-10
Bloomberg Multiverse TR				-0.9	-3.8	-0.4	4.3	2.2	2.1	2.4	Dec-10
eV All Global Fixed Inc Net Rank			- 1	<i>57</i>	42	48	86	43	30	27	Dec-10
Short Term Core Bonds	169,625,653	8.7	36.5	0.1	0.3	8.0	3.4			2.6	Jun-17
Bloomberg US Aggregate 1-3 Yr TR			- 1	0.1	0.1	0.3	2.8	1.8	1.5	2.1	Jun-17
IR&M 1-3 Year Strategy	169,625,653	8.7	100.0	0.1	0.3	0.8	3.4			2.6	Jul-17
Bloomberg US Aggregate 1-3 Yr TR			- 1	0.1	0.1	0.3	2.8	1.8	1.5	2.1	Jul-17
eV US Short Duration Fixed Inc Net Rank			- 1	44	28	32	30			31	Jul-17
Investment Grade Bonds	76,206,070	3.9	16.4	0.1	-0.7	0.7				3.9	Oct-19
Bloomberg US Aggregate TR				0.1	-1.6	-0.9	5.4	2.9	3.0	3.0	Oct-19
eV US Core Fixed Inc Net Rank			- 1	23	20	18				24	Oct-19
Longfellow Core Fixed Income	76,206,070	3.9	100.0	0.1	-0.7	0.7				1.1	Jul-20
Bloomberg US Aggregate TR				0.1	-1.6	-0.9	5.4	<i>2</i> .9	3.0	-0.2	Jul-20
eV US Core Fixed Inc Net Rank				23	20	18				33	Jul-20

MEKETA INVESTMENT GROUP Page 18 of 31



DPFP | As of September 30, 2021

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	S.I. (%)	S.I. Date
Bank Loans	76,321,849	3.9	16.4	1.1	4.0	7.4	4.2	4.9		4.3	Jan-14
Credit Suisse Leveraged Loan				1.1	4.7	8.5	4.1	4.6		4.1	Jan-14
eV US Float-Rate Bank Loan Fixed Inc Net Rank				23	47	53	15	12		16	Jan-14
Pacific Asset Management Corporate (Bank) Loans	76,321,849	3.9	100.0	1.1	4.2	7.3	4.0		-	4.3	Aug-17
Credit Suisse Leveraged Loan eV US Float-Rate Bank Loan Fixed Inc Net				1.1	4.7	8.5	4.1	4.6		4.3	Aug-17
ev US Float-kate Bank Loan Fixed Inc Net Rank				23	36	55	29			21	Aug-17
High Yield Bonds	76,991,170	3.9	16.6	0.4	3.2	11.5	4.7	6.2	6.5	6.2	Dec-10
Bloomberg US Corporate High Yield TR				0.9	4.5	11.3	6.9	6.5	7.4	6.7	Dec-10
eV US High Yield Fixed Inc Net Rank			- 1	91	81	32	88	42	75	53	Dec-10
Loomis US High Yield Fund	76,991,170	3.9	100.0	0.4	3.5					3.5	Jan-21
Bloomberg US High Yield 2% Issuer Cap TR				0.9	4.5	11.3	6.9	6.5	7.4	4.5	Jan-21
eV US High Yield Fixed Inc Net Rank				91	75					75	Jan-21
Emerging Markets Debt	64,985,571	3.3	14.0	-4.5	-5.7	3.9	2.1	2.3	3.1	2.8	Dec-10
50% JPM EMBI/50% JPM GBI-EM				-1.9	-3.9	3.5	4.7	3.0	3.4	3.2	Dec-10
eV All Emg Mkts Fixed Inc Net Rank				99	83	77	98	82	68	67	Dec-10
Ashmore EM Blended Debt	64,985,571	3.3	100.0	-4.5	-5.7	3.9	2.1			0.6	Dec-17
Ashmore Blended Debt Benchmark				-1.5	-2.8	3.8	4.3	2.9	3.3	2.4	Dec-17
eV All Emg Mkts Fixed Inc Net Rank				99	83	77	98			88	Dec-17
rivate Debt	6,721,157	0.3	1.2	68.0	114.7	110.0	22.0	11.0		9.3	Jan-16
BBg US High Yield+2%				1.4	6.1	13.5	9.0	8.6	9.6	10.4	Jan-16

MEKETA INVESTMENT GROUP Page 19 of 31



DPFP | As of September 30, 2021

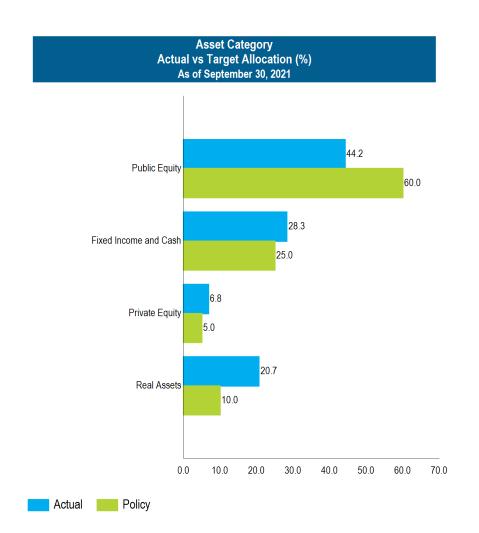
	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	S.I. (%)	S.I. Date
Total Real Assets	403,892,415	20.7	20.7	2.6	5.1	5.7	1.2	3.7	-1.3	-1.3	Dec-10
Total Real Assets Policy Index				2.5	5.3	6.2	<i>5.2</i>	5.8	9.5	9.9	Dec-10
Real Estate	231,205,072	11.8	57.2	0.9	0.8	8.0	0.6	2.7	-3.4	3.5	Mar-85
NCREIF Property (1 Qtr Lag)				3.6	6.6	7.4	5.5	6.1	8.8	7.9	Mar-85
Natural Resources	118,784,255	6.1	29.4	0.9	5.5	7.5	2.8	-0.4	2.9	3.7	Dec-10
NCREIF Farmland Total Return Index (1 Qtr Lag)				1.5	4.0	5.0	4.8	5.5	10.2	10.5	Dec-10
Infrastructure	53,903,088	2.8	13.3	16.0	33.9	34.1	-0.8	10.2		5.7	Jul-12
S&P Global Infrastructure TR USD				1.5	7.0	23.0	6.7	6.0	7.8	7.4	Jul-12

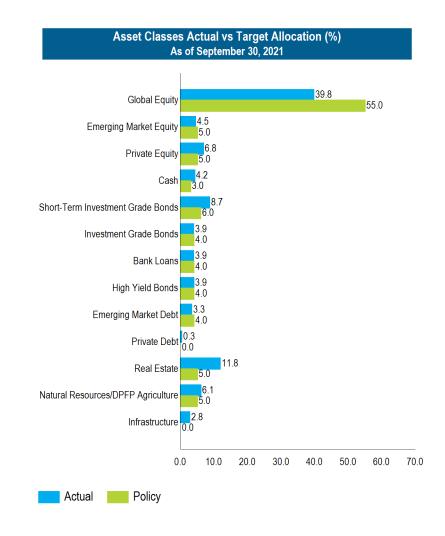
MEKETA INVESTMENT GROUP Page 20 of 31

<sup>&</sup>lt;sup>1</sup> All Private Market market values are one quarter lagged unless otherwise noted.



DPFP | As of September 30, 2021





MEKETA INVESTMENT GROUP
Page 21 of 31



DPFP | As of September 30, 2021

	Current Balance	Current Allocation	Policy	Policy Range	Within IPS Range?
Equity	\$997,821,811	51%	65%		
Global Equity	\$777,101,619	40%	55%	36% - 60%	Yes
Emerging Market Equity	\$87,473,010	4%	5%	3% - 7%	Yes
Private Equity	\$133,247,182	<b>7</b> %	5%		
Fixed Income and Cash	\$553,089,091	28%	25%		
Cash	\$82,237,620	4%	3%	0% - 6%	Yes
Short-Term Investment Grade Bonds	\$169,625,653	9%	6%	0% - 9%	Yes
Investment Grade Bonds	\$76,206,070	4%	4%	2% - 6%	Yes
Bank Loans	\$76,321,849	4%	4%	2% - 6%	Yes
High Yield Bonds	\$76,991,170	4%	4%	2% - 6%	Yes
Emerging Market Debt	\$64,985,571	3%	4%	2% - 6%	Yes
Private Debt	\$6,721,157	0%	0%		
Real Assets	\$403,635,365	21%	10%		
Real Estate	\$231,205,072	12%	5%		
Natural Resources/DPFP Agriculture	\$118,784,255	6%	5%		
Infrastructure	\$53,903,088	3%	0%		
Total	\$1,954,803,317	100%	100%		

As of 9/30/2021 the Safety Reserve exposure was approximately \$251.9 million (12.9%).

Global equity consists of 22% US, 15% developed non-US, and 3% emerging markets.

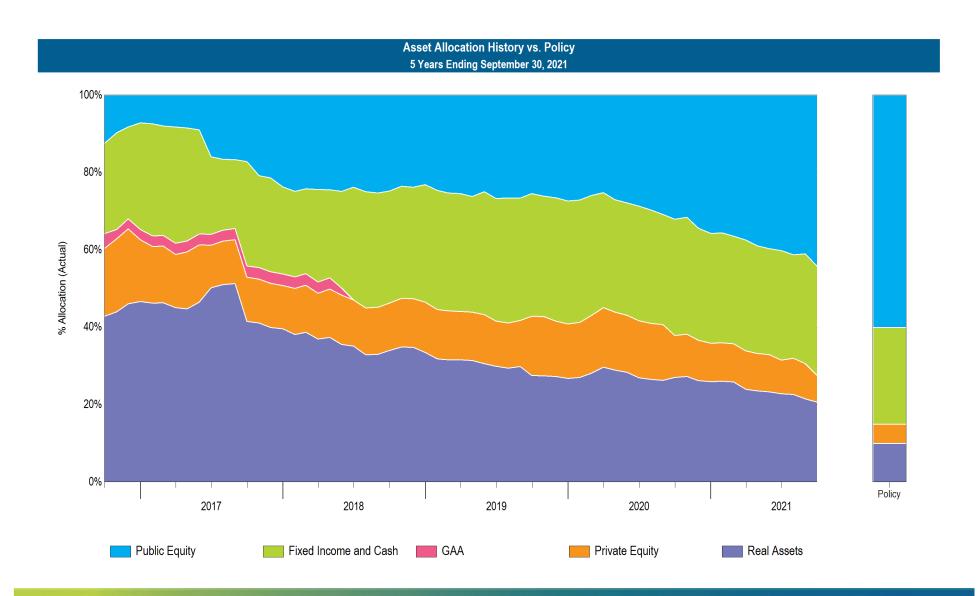
Allocation of zero previously approved by Board. Target to Global Bonds is being eliminated.

Rebalancing ranges are not established for illiquid assets (Private Equity, Private Debt, Natural Resources, Infrastructure and Real Estate).

MEKETA INVESTMENT GROUP Page 22 of 31



DPFP | As of September 30, 2021





DPFP | As of September 30, 2021

		Statistics Sur	nmary			
5 Years Ending September 30, 2021						
	Anlzd Return	Anlzd Standard Deviation	Information Ratio	Beta	Sharpe Ratio	Tracking Error
DPFP	3.6%	5.9%	-1.0	0.6	0.4	5.2%
Policy Index	8.6%	8.3%		1.0	0.9	0.0%
Public Equity	13.8%	14.8%	0.4	1.0	0.9	2.2%
MSCI ACWI IMI Net USD	13.1%	15.0%	<del></del>	1.0	0.8	0.0%
Global Equity	14.2%	15.1%	0.5	1.0	0.9	2.3%
MSCI ACWI IMI Net USD	13.1%	15.0%		1.0	0.8	0.0%
Private Equity	-18.3%	28.2%	-1.1	-0.9	-0.7	35.3%
Cambridge Associates US All PE (1 Qtr Lag)	19.5%	12.6%		1.0	1.5	0.0%
Bank Loans	4.9%	4.4%	0.1	0.6	0.9	2.8%
Credit Suisse Leveraged Loan	4.6%	6.8%	<del></del>	1.0	0.5	0.0%
High Yield Bonds	6.2%	8.3%	-0.2	1.1	0.6	2.1%
Bloomberg US Corporate High Yield TR	6.5%	7.3%	<del></del>	1.0	0.7	0.0%
Emerging Markets Debt	2.3%	12.8%	-0.2	1.3	0.1	4.3%
50% JPM EMBI/50% JPM GBI-EM	3.0%	9.5%		1.0	0.2	0.0%

MEKETA INVESTMENT GROUP Page 24 of 31



DPFP | As of September 30, 2021

Statistics Summary 5 Years Ending September 30, 2021						
	Anlzd Return	Anlzd Standard Deviation	Information Ratio	Beta	Sharpe Ratio	Tracking Error
Real Estate	2.7%	3.2%	-1.1	0.6	0.5	3.0%
NCREIF Property (1 Qtr Lag)	6.1%	2.9%		1.0	1.7	0.0%
Natural Resources	-0.4%	6.7%	-0.9	0.9	-0.2	6.2%
NCREIF Farmland Total Return Index (1 Qtr Lag)	5.5%	2.8%		1.0	1.6	0.0%
Infrastructure	10.2%	31.4%	0.1	0.0	0.3	35.4%
S&P Global Infrastructure TR USD	6.0%	16.3%		1.0	0.3	0.0%



DPFP | As of September 30, 2021

Benchmark History					
		As of September 30, 2021			
DPFP					
		DPFP Policy Benchmark is based upon the asset class target weight multiplied by its respective benchmark for every period and was updated when			
8/1/2021	Present	benchmark or asset allocation targets changed. The most recent Policy Benchmark changes are shown below. 55% MSCI ACWI IMI Net USD / 5% MSCI Emerging Market IMI Net / 5% Cambridge Associates US All PE (1 Qtr Lag) / 6% Bloomberg US Aggregate 1-3 Yr TR / 4% Bloomberg US Corporate High Yield TR / 4% Bloomberg US Aggregate TR / 4% S&P/LSTA Leveraged Loan / 4% 50% JPM EMBI/50% JPM GBI-EM / 5% NCREIF Farmland Total Return Index (1 Qtr Lag) / 5% NCREIF Property (1 Qtr Lag) / 3% 91 Day T-Bills			
1/1/2019	7/31/2021	40% MSCI ACWI IMI Net USD / 10% MSCI Emerging Market IMI Net / 5% Cambridge Associates US All PE (1 Qtr Lag) / 12% Bloomberg US Aggregate 1-3 Yr TR / 4% Bloomberg Global Aggregate TR / 4% Bloomberg US Corporate High Yield TR / 4% Bloomberg US Aggregate TR / 4% S&P/LSTA Leveraged Loan / 4% 50% JPM EMBI/50% JPM GBI-EM / 5% NCREIF Farmland Total Return Index (1 Qtr Lag) / 5% NCREIF Property (1 Qtr Lag) / 3% 91 Day T-Bills			
10/1/2018	12/31/2018	40% MSCI ACWI Gross / 10% MSCI Emerging Markets Gross / 5% Private Equity Custom Benchmark / 12% Bloomberg US Aggregate 1-3 Yr TR / 4% Bloomberg Global Aggregate TR / 4% Bloomberg US High Yield 2% Issuer Cap TR / 4% S&P/LSTA Leveraged Loan / 4% Bloomberg US Aggregate TR / 4% 50% JPM EMBI/50% JPM GBI-EM / 5% Natural Resources Benchmark (Linked) / 5% NCREIF Property Index / 3% 91 Day T-Bills			
4/1/2016	9/30/2018	20% MSCI ACWI Gross / 5% MSCI Emerging Markets Gross / 5% Private Equity Custom Benchmark / 2% Bloomberg US Aggregate 1-3 Yr TR / 3% Bloomberg Global Aggregate TR / 5% Bloomberg Global High Yield TR / 6% S&P/LSTA Leveraged Loan / 6% HFRI RV: FI (50/50-ABS/Corp) / 6% 50% JPM EMBI/50% JPM GBI-EM / 5% Barclays Global High Yield +2% / 5% 60% MSCI ACWI/40% Barclays Global Agg / 3% 60% MSCI ACWI/40% Barclays Global Agg / 2% HFRX Absolute Return Index / 5% Natural Resources Benchmark (Linked) / 5% S&P Global Infrastructure TR USD / 12% NCREIF Property Index / 3% CPI + 5% (Seasonally Adjusted) / 2% 91 Day T-Bills			
4/1/2014	3/31/2016	15% MSCI ACWI / 15% S&P 500 + 2% / 10% Total Global Natural Resources Custom Benchmark / 15% Bloomberg Global Aggregate TR / 20% CPI + 5% (Seasonally Adjusted) / 10% CPI + 5% (Seasonally Adjusted) / 15% NCREIF Property Index			
1/1/2014	3/31/2014	15% MSCI ACWI / 15% Private Markets / 10% Total Global Natural Resources Custom Benchmark / 15% Bloomberg Global Aggregate TR / 20% CPI + 5% (Seasonally Adjusted) / 10% Infrastructure / 15% Real Estate			
Ashmore EM Blended Debt					
12/1/2017	Present	50% JP Morgan EMBI Global Diversified / 25% JPM ELMI+ TR USD / 25% JP Morgan GBI EM Global Diversified TR USD			
Total Real Asse	ts				
12/31/2010	Present	50% NCREIF Property (1 Qtr Lag) / 50% NCREIF Farmland Total Return Index (1 Qtr Lag)			



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SIGNIFICANT EVENTS MAY OCCUR (OR HAVE OCCURRED) AFTER THE DATE OF THIS REPORT AND THAT IT IS NOT OUR FUNCTION OR RESPONSIBILITY TO UPDATE THIS REPORT. ANY OPINIONS OR RECOMMENDATIONS PRESENTED HEREIN REPRESENT OUR GOOD FAITH VIEWS AS OF THE DATE OF THIS REPORT AND ARE SUBJECT TO CHANGE AT ANY TIME. ALL INVESTMENTS INVOLVE RISK. THERE CAN BE NO GUARANTEE THAT THE STRATEGIES, TACTICS, AND METHODS DISCUSSED HERE WILL BE SUCCESSFUL.

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MEKETA INVESTMENT GROUP Page 28 of 31



Credit Risk: Refers to the risk that the issuer of a fixed income security may default (i.e., the issuer will be unable to make timely principal and/or interest payments on the security).

**Duration:** Measure of the sensitivity of the price of a bond to a change in its yield to maturity. Duration summarizes, in a single number, the characteristics that cause bond prices to change in response to a change in interest rates. For example, the price of a bond with a duration of three years will rise by approximately 3% for each 1% decrease in its yield to maturity. Conversely, the price will decrease 3% for each 1% increase in the bond's yield. Price changes for two different bonds can be compared using duration. A bond with a duration of six years will exhibit twice the percentage price change of a bond with a three-year duration. The actual calculation of a bond's duration is somewhat complicated, but the idea behind the calculation is straightforward. The first step is to measure the time interval until receipt for each cash flow (coupon and principal payments) from a bond. The second step is to compute a weighted average of these time intervals. Each time interval is measured by the present value of that cash flow. This weighted average is the duration of the bond measured in years.

**Information Ratio:** This statistic is a measure of the consistency of a portfolio's performance relative to a benchmark. It is calculated by subtracting the benchmark return from the portfolio return (excess return), and dividing the resulting excess return by the standard deviation (volatility) of this excess return. A positive information ratio indicates outperformance versus the benchmark, and the higher the information ratio, the more consistent the outperformance.

Jensen's Alpha: A measure of the average return of a portfolio or investment in excess of what is predicted by its beta or "market" risk. Portfolio Return-[Risk Free Rate+Beta\*(market return-Risk Free Rate)].

**Market Capitalization:** For a firm, market capitalization is the total market value of outstanding common stock. For a portfolio, market capitalization is the sum of the capitalization of each company weighted by the ratio of holdings in that company to total portfolio holdings; thus it is a weighted-average capitalization. Meketa Investment Group considers the largest 65% of the broad domestic equity market as large capitalization, the next 25% of the market as medium capitalization, and the smallest 10% of stocks as small capitalization.

**Market Weighted:** Stocks in many indices are weighted based on the total market capitalization of the issue. Thus, the individual returns of higher market-capitalization issues will more heavily influence an index's return than the returns of the smaller market-capitalization issues in the index.

Maturity: The date on which a loan, bond, mortgage, or other debt/security becomes due and is to be paid off.

**Prepayment Risk:** The risk that prepayments will increase (homeowners will prepay all or part of their mortgage) when mortgage interest rates decline; hence, investors' monies will be returned to them in a lower interest rate environment. Also, the risk that prepayments will slow down when mortgage interest rates rise; hence, investors will not have as much money as previously anticipated in a higher interest rate environment. A prepayment is any payment in excess of the scheduled mortgage payment.

Price-Book Value (P/B) Ratio: The current market price of a stock divided by its book value per share. Meketa Investment Group calculates P/B as the current price divided by Compustat's quarterly common equity. Common equity includes common stock, capital surplus, retained earnings, and treasury stock adjusted for both common and nonredeemable preferred stock. Similar to high P/E stocks, stocks with high P/B's tend to be riskier investments.

MEKETA INVESTMENT GROUP
Page 29 of 31



Price-Earnings (P/E) Ratio: A stock's market price divided by its current or estimated future earnings. Lower P/E ratios often characterize stocks in low growth or mature industries, stocks in groups that have fallen out of favor, or stocks of established blue chip companies with long records of stable earnings and regular dividends. Sometimes a company that has good fundamentals may be viewed unfavorably by the market if it is an industry that is temporarily out of favor. Or a business may have experienced financial problems causing investors to be skeptical about is future. Either of these situations would result in lower relative P/E ratios. Some stocks exhibit above-average sales and earnings growth or expectations for above average growth. Consequently, investors are willing to pay more for these companies' earnings, which results in elevated P/E ratios. In other words, investors will pay more for shares of companies whose profits, in their opinion, are expected to increase faster than average. Because future events are in no way assured, high P/E stocks tend to be riskier and more volatile investments. Meketa Investment Group calculates P/E as the current price divided by the I/B/E/S consensus of twelve-month forecast earnings per share.

Quality Rating: The rank assigned a security by such rating services as Fitch, Moody's, and Standard & Poor's. The rating may be determined by such factors as (1) the likelihood of fulfillment of dividend, income, and principal payment of obligations; (2) the nature and provisions of the issue; and (3) the security's relative position in the event of liquidation of the company. Bonds assigned the top four grades (AAA, AA, A, BBB) are considered investment grade because they are eligible bank investments as determined by the controller of the currency.

**Sharpe Ratio**: A commonly used measure of risk-adjusted return. It is calculated by subtracting the risk free return (usually three-month Treasury bill) from the portfolio return and dividing the resulting excess return by the portfolio's total risk level (standard deviation). The result is a measure of return per unit of total risk taken. The higher the Sharpe ratio, the better the fund's historical risk adjusted performance.

STIF Account: Short-term investment fund at a custodian bank that invests in cash-equivalent instruments. It is generally used to safely invest the excess cash held by portfolio managers.

**Standard Deviation:** A measure of the total risk of an asset or a portfolio. Standard deviation measures the dispersion of a set of numbers around a central point (e.g., the average return). If the standard deviation is small, the distribution is concentrated within a narrow range of values. For a normal distribution, about two thirds of the observations will fall within one standard deviation of the mean, and 95% of the observations will fall within two standard deviations of the mean.

**Style:** The description of the type of approach and strategy utilized by an investment manager to manage funds. For example, the style for equities is determined by portfolio characteristics such as price-to-book value, price-to-earnings ratio, and dividend yield. Equity styles include growth, value, and core.

Tracking Error: A divergence between the price behavior of a position or a portfolio and the price behavior of a benchmark, as defined by the difference in standard deviation.

MEKETA INVESTMENT GROUP
Page 30 of 31



Yield to Maturity: The yield, or return, provided by a bond to its maturity date; determined by a mathematical process, usually requiring the use of a "basis book." For example, a 5% bond pays \$5 a year interest on each \$100 par value. To figure its current yield, divide \$5 by \$95—the market price of the bond—and you get 5.26%. Assume that the same bond is due to mature in five years. On the maturity date, the issuer is pledged to pay \$100 for the bond that can be bought now for \$95. In other words, the bond is selling at a discount of 5% below par value. To figure yield to maturity, a simple and approximate method is to divide 5% by the five years to maturity, which equals 1% pro rata yearly. Add that 1% to the 5.26% current yield, and the yield to maturity is roughly 6.26%.

$$\frac{5\% \text{ (discount)}}{5 \text{ (yrs. to maturity)}} = \frac{1\% \text{ pro rata, plus}}{5.26\% \text{ (current yield)}} = \frac{6.26\% \text{ (yield to maturity)}}{6.26\% \text{ (pro rata, plus)}}$$

Yield to Worst: The lowest potential yield that can be received on a bond without the issuer actually defaulting. The yield to worst is calculated by making worst-case scenario assumptions on the issue by calculating the returns that would be received if provisions, including prepayment, call, or sinking fund, are used by the issuer.

**NCREIF Property Index (NPI):** Measures unleveraged investment performance of a very large pool of individual commercial real estate properties acquired in the private market by tax-exempt institutional investors for investment purposes only. The NPI index is capitalization-weighted for a quarterly time series composite total rate of return.

NCREIF Fund Index - Open End Diversified Core Equity (NFI-ODCE): Measures the investment performance of 28 open-end commingled funds pursuing a core investment strategy that reflects funds' leverage and cash positions. The NFI-ODCE index is equal-weighted and is reported gross and net of fees for a quarterly time series composite total rate of return.

Sources: <u>Investment Terminology</u>, International Foundation of Employee Benefit Plans, 1999. The Handbook of Fixed Income Securities, Fabozzi, Frank J., 1991

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Throughout this report, numbers may not sum due to rounding.

Returns for periods greater than one year are annualized throughout this report.

Values shown are in millions of dollars, unless noted otherwise.

MEKETA INVESTMENT GROUP Page 31 of 31