WILLIAM & MARY

Board of Visitors Investments Subcommittee

August 26, 2021 Boardroom – Blow Hall

James A. Hixon, Chair Anne Leigh Kerr, Vice Chair

INVESTMENTS SUBCOMMITTEE OF THE COMMITTEE ON FINANCIAL AFFAIRS AUGUST 26, 2021

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INVESTMENTS SUBCOMMITTEE BOARD BOOK

WILLIAM & MARY

INVESTMENTS SUBCOMMITTEE
OF THE
COMMITTEE ON FINANCIAL AFFAIRS
AUGUST 26, 2021
11:00 A.M. - 12:00 P.M.
BLOW HALL - BOARD ROOM

JAMES A HIXON, CHAIR ANNE LEIGH KERR, VICE CHAIR

I. Introductory Remarks

James A. Hixon

II. Investment Portfolio Evaluation Overview

Joseph W. Montgomery R. Bryce Lee

The Optimal Services Group of Wells Fargo Advisors

- III. Action Material
- IV. Closed Session (if necessary)
- V. Discussion
- VI. Adjourn

PRE-READS



Investment Portfolio Overview

Board of Visitors

June 30, 2021



www.optimalservicegroup.com 428 McLaws Circle ● Williamsburg, VA 23185 ● 888.465.8422





		3		Fiscal				
Index Name	June	Months	YTD	YTD	1 Year	3 Year	5 Years	10 Years
Dow Jones Industrial Average	0.0	5.1	36.3	13.8	36.3	15.0	16.7	13.5
NASDAQ	5.5	9.7	45.2	12.9	45.2	25.7	25.8	19.3
S&P 500	2.3	8.5	40.8	15.3	40.8	18.7	17.6	14.8
Russell 1000	2.5	8.5	43.1	15.0	43.1	19.2	18.0	14.9
Russell 1000 Value	(1.1)	5.2	43.7	17.0	43.7	12.4	11.9	11.6
Russell 1000 Growth	6.3	11.9	42.5	13.0	42.5	25.1	23.7	17.9
Russell Midcap	1.5	7.5	49.8	16.2	49.8	16.4	15.6	13.2
Russell Midcap Value	(1.2)	5.7	53.1	19.5	53.1	11.9	11.8	11.7
Russell Midcap Growth	6.8	11.1	43.8	10.4	43.8	22.4	20.5	15.1
Russell 2000	1.9	4.3	62.0	17.5	62.0	13.5	16.5	12.3
Russell 2000 Value	(0.6)	4.6	73.3	26.7	73.3	10.3	13.6	10.8
Russell 2000 Growth	4.7	3.9	51.4	9.0	51.4	15.9	18.8	13.5
Russell 2500		5.4	57.8	17.0	57.8	15.2	16.3	12.9
Russell 3000	2.5	8.2	44.2	15.1	44.2	18.7	17.9	14.7
MSCI EAFE Index	(1.1)	5.2	32.4	8.8	32.4	8.3	10.3	5.9
MSCI World Index	1.5	7.7	39.0	13.0	39.0	15.0	14.8	10.7
MSCI World Ex. US Index	(1.0)	5.6	33.6	9.9	33.6	8.6	10.4	5.7
MSCI EM (EMERGING MARKETS)		5.0	40.9	7.4	40.9	11.3	13.0	4.3
MSCI FM (FRONTIER MARKETS)		14.1	38.5	15.0	38.5	8.9	9.4	5.3
MSCI ACWI		7.4	39.3	12.3	39.3	14.6	14.6	9.9
MSCI ACWI ex USA		5.5	35.7	9.2	35.7	9.4	11.1	5.4
Barclays U.S. Aggregate	0.7	1.8	(0.3)	(1.6)	(0.3)	5.3	3.0	3.4
Barclays U.S. Government/Credit		2.4	(0.4)	(2.0)	(0.4)	5.9	3.3	3.7
Barclays Intermediate U.S. Government/Credit		1.0	0.2	(0.9)	0.2	4.7	2.6	2.8
Barclays Municipal Bond		1.4	4.2	1.1	4.2	5.1	3.2	4.3
BofA Merrill Lynch High Yield Master		2.8	15.6	3.7	15.6	7.1	7.3	6.5
JPM GBI-EM Global Ex US	(1.2)	3.5	6.6	(3.4)	6.6	4.1	3.2	0.5
JPM EMBI Global Diversified	0.7	4.1	7.5	(0.7)	7.5	6.7	4.9	5.7
FTSE World Government Bond Index		1.0	0.8	(4.8)	0.8	3.6	1.7	1.4
FTSE Nareit All Equity REITs	2.8	12.0	32.8	21.3	32.8	12.0	8.1	10.3
T TOD I (droit III Departy IDII)								



William & Mary BOV Endowment

6/30/20 Market Value	83,750,603			
Net Additions/Withdrawls Expenses	(3,604,213) (36,344)			
Net Cash Flow	(3,640,557)			
Net Income	1,708,960			
Net Realized Gain/(Loss)	6,057,241			
Change Unrealized Gain/(Loss) Total Investment Gain/(Loss)	<u>13,248,672</u> 21,014,873			
6/30/21 Market Value	101,127,780			

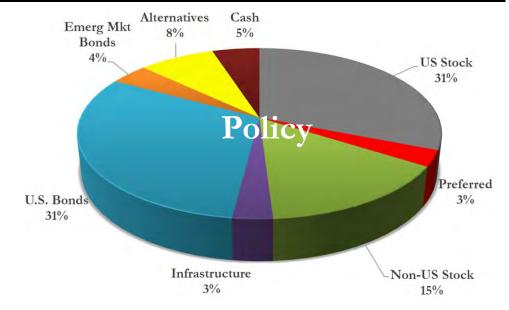
^{*} These values should not be considered as a replacement for actual reported financials. Values and transactions exclude PEP investments. Values and transactions taken from SunTrust monthly Trade Date statements. Alternative values are taken from the monthly Wells Fargo Advisors statements which may be delayed in reporting values by one month or longer.

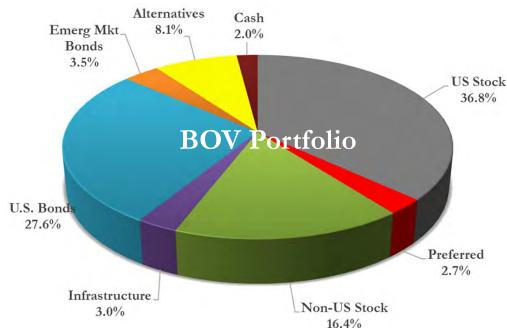


Total BOV Endowment @ 6/30/21

Portfolio Structure (Policy vs. Current Allocation)*

		% of Tota
<u>Manager</u>	Market Value	Portfolio
Blackrock (large-cap value)	7,205,629	7.1%
Fidelity 500 (large-cap core)	5,677,498	5.6%
Polen (large-cap growth)	6,774,323	6.7%
JP Morgan (mid-cap value)	4,343,591	4.3%
iShares Russell Mid Growth ETF	4,162,590	4.1%
Mass Mutual (small-cap)	4,386,663	4.3%
Dreyfus (small-cap core)	4,618,529	4.6%
Dodge & Cox (int'l growth equity)	5,697,426	5.6%
MFS International (int'l value equity)	5,201,495	5.1%
Oppenheimer (emerging markets equity)	4,505,269	4.5%
Fidelity (Int'l Small Cap equity)	1,179,100	1.2%
Dodge & Cox (U.S. core fixed income)	8,210,711	8.1%
Met West (U.S. core fixed income)	8,139,000	8.0%
GMO (emerging markets debt)	3,521,797	3.5%
Pioneer (U.S. core fixed income)	11,498,319	11.4%
Principal (preferreds)	2,740,606	2.7%
Lazard (Global infrastructure)	2,992,136	3.0%
Eaton Vance Global Macro (alternative)	1,853,513	1.8%
Apollo Credit (alternative)	681,954	0.79
Canyon Balanced (alternaive)	734,281	0.7%
Lone Star (alternative)	15,642	0.0%
Graham (alternative)	566,122	0.6%
ABS Global L/S (alternative)	930,484	0.9%
PWP Income (alternative)	58,895	0.1%
Pinehurst (alternative)	1,316,109	1.3%
Matlin Patterson (alternative)	215,249	0.2%
Marshall Waœ (alternative)	751,323	0.7%
Bain Capital Double Impact (alternative)	67,300	0.1%
Orbimed (alternative)	169,013	0.2%
Landmark Private Eq. XIV (alternative)	32,035	0.0%
Landmark Private Eq. XV (alternative)	230,096	0.2%
Landmark Private Eq. XVI (alternative)	263,114	0.3%
GSO Capital Solutions (alternative)	89,279	0.1%
Apollo Natural Resources (alternative)	175,822	0.2%
Siguler Guff (alternative)	75,846	0.1%
Cash (Mutual Fund & Alternative)	2,047,018	2.0%
Total W&M BOV Portfolio	101,127,780	100%





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Investment Update

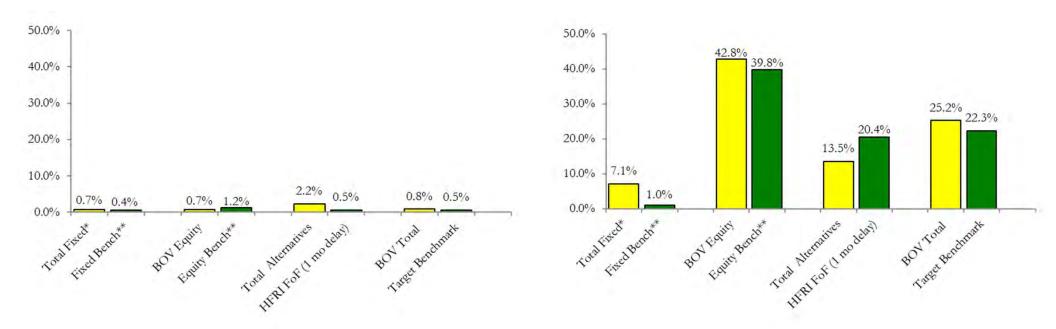
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Current Month

Fiscal Year to Date



Equity Bench = Prior to 7/1/15: 80% Russell 3000, 20% MSCI World ex-US; (7/1/15 – 10/1/17) 65% Russell 3000, 25% MSCI EAFE, 10% MSCI EM; (10/1/17- 8/20/20) 55% Russell 3000, 30% MSCI EAFE, 10% MSCI EM, 5%NAREIT All Eq; (8/24/20- Present) 63% Russell 3000, 23% MSCI EAFE, 8% MSCI EM, 6% S&P global infrastructure

 $Target = (Inception-7/1/15)\ 44\%\ iShares\ Russell\ 3000\ ETF,\ 35\%\ iShares\ Barclays\ Agg,\ 11\%\ SPDR\ World\ ex\ US\ ETF,\ 10\%\ HFRI;\ (7/1/15-\ 10/1/17)\ 35\%\ iShares\ Russell\ 3000\ ETF,\ 35\%\ DBXT\ Barclays\ Global\ Agg\ ETF,\ 20\%\ iShares\ MSCI\ ACWI\ ex\ US\ ETF,\ 10\%\ HFRI;\ (8/24/20-Present)\ 31\%\ iShares\ Russell\ 3000\ ETF,\ 38\%\ BBG\ Barclays\ Global\ Agg\ ETF,\ 18\%\ iShares\ MSCI\ ACWI\ ex\ US\ ETF,\ 8\%\ HFRI,\ 5\%\ Cash$

Performance is net of fees

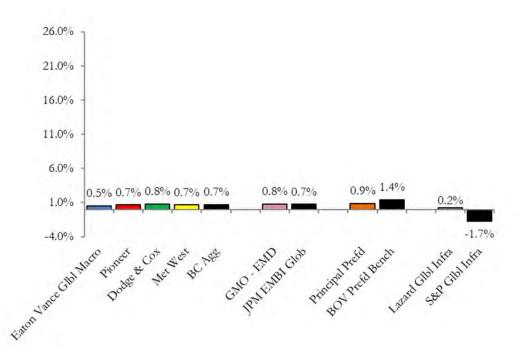
^{*} Total Fixed Income includes Dodge and Cox, Pioneer, Met West, GMO Emerging Markets Debt

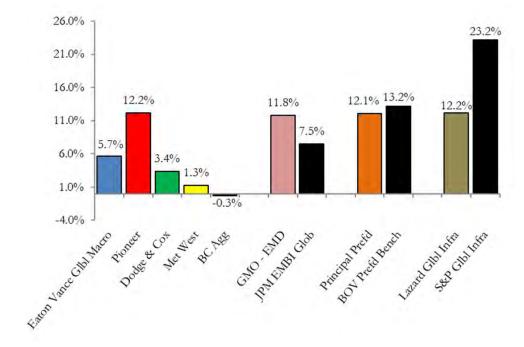
^{**} Fixed Bench = ;75% BC Aggregate, 12.5% Citi World Government Bond, 12.5% JPM EMBI Global Diversified (Inception – 2/1/17); 80% BC Aggregate, 20% JPM EMBI Global Diversified (2/1/17-10/1/17); 70% BC Aggregate, 15% Citi World Government Bond, 15% JPM EMBI Global Diversified (10/1/17–8/20/20); 67% BC Aggregate, 15% BBGBARC High Yield, 10% JPM EMBI Global Diversified, 8% BOV Preferred index (8/24/20– Present)



Current Month

Fiscal Year to Date

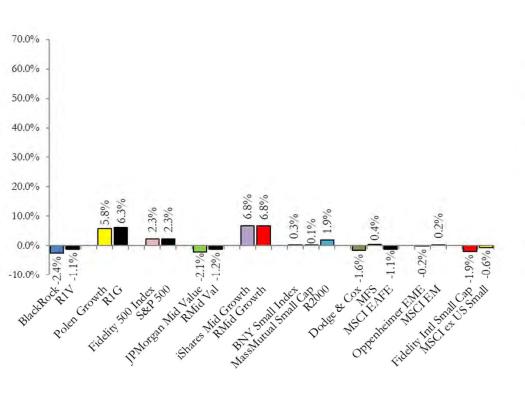


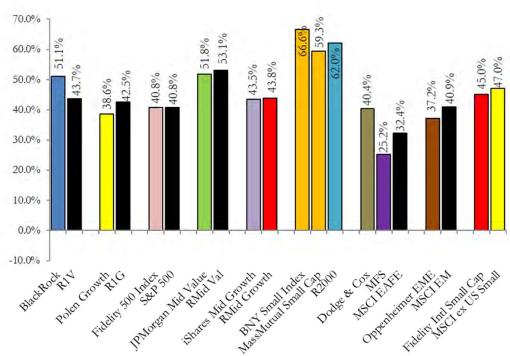




Current Month

Fiscal Year to Date







		Operations/		D /			
	% of Portfolio	Expense/ Capacity	Personnel	<u>Process/</u> <u>Style</u>	Performance	<u>Status</u>	Next Steps/Notes
EQUITY	<u> </u>	зарасну.	<u>r croomici</u>	Dijie	<u>r criorinance</u>	<u>Diatas</u>	Tient Steps, Tiotes
Blackrock LCV	7.2%	none	none	none	lower risk	Recommended	
Fidelity 500 Index	5.4%	none	none	passive	none	Recommended	newly funded
Polen Growth	6.2%	none	none	none	none	Recommended	newly funded
JP Morgan MCV	4.3%	none	none	none	none	Recommended	
iShares Russell MCG ETF	3.8%	none	none	passive	none	Recommended	
BNY Mellon SCC	4.5%	none	none	passive	none	Recommended	
Dodge & Cox Int'l	5.6%	closed	none	investment approach	none	Recommended	
MFS Int'l	5.0%	closed	none	none	none	Recommended	
Oppenheimer EEM	4.4%	closed	none	none	none	Recommended	
Lazard Global Infrastructure	2.9%	none	none	none	none	Recommended	newly funded
Fidelity Int'l Small Cap	1.2%	none	none	none	none	Recommended	
FIXED INCOME							
Pioneer Strategic Inc	11.1%	0.73%	none	none	none	Recommended	
Dodge & Cox Income	8.0%	none	none	none	none	Recommended	
GMO EM Debt	3.4%	low fee	none	none	none	Recommended	
MetWest Core	7.9%	none	none	none	none	Recommended	newly funded
Principal Preferreds	2.7%	none	none	none	none	Recommended	newly funded
ALTERNATIVES							
Apollo Credit	0.7%					Newly Funded	
Eaton Vance Glbl Macro	1.8%					Recommended	
Canyon Balanced	0.7%					Recommended	
Lone Star	0.0%					Newly Funded	
Graham	0.5%					Recommended	
ABS Global L/S	0.9%					Recommended	
PWP Income	0.1%					Recommended	
Pinehurst	1.3%					Recommended	
Matlin Patterson	0.3%					Liquidating	
Marshall Wace	0.7%					Recommended	
Bain Capital Double Impact	0.1%					Newly Funded	
Orbimed	0.1%					Newly Funded	
Landmark Private Eq. XIV	0.0%					Recommended	
Landmark Private Eq. XV	0.2%					Recommended	
Landmark Private Eq. XVI	0.2%					Recommended	
GSO Capital Solutions	0.1%					Recommended	
Apollo Natural Resources	0.2%					Recommended	
Siguler Guff	0.1%					Recommended	

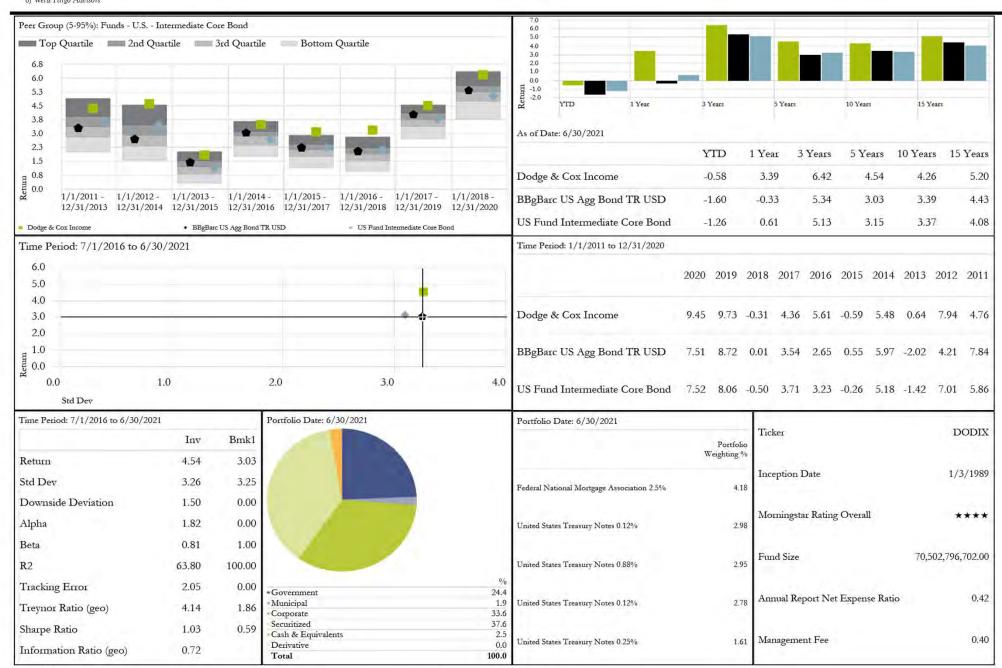
Watch I – event has occurred to warrant additional scrutiny Watch II – continued concern over time Information contained within this report is designed for the use by the William & Mary Board of Visitors.

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<u>Watch III</u> – major event or persistent issues with strategy

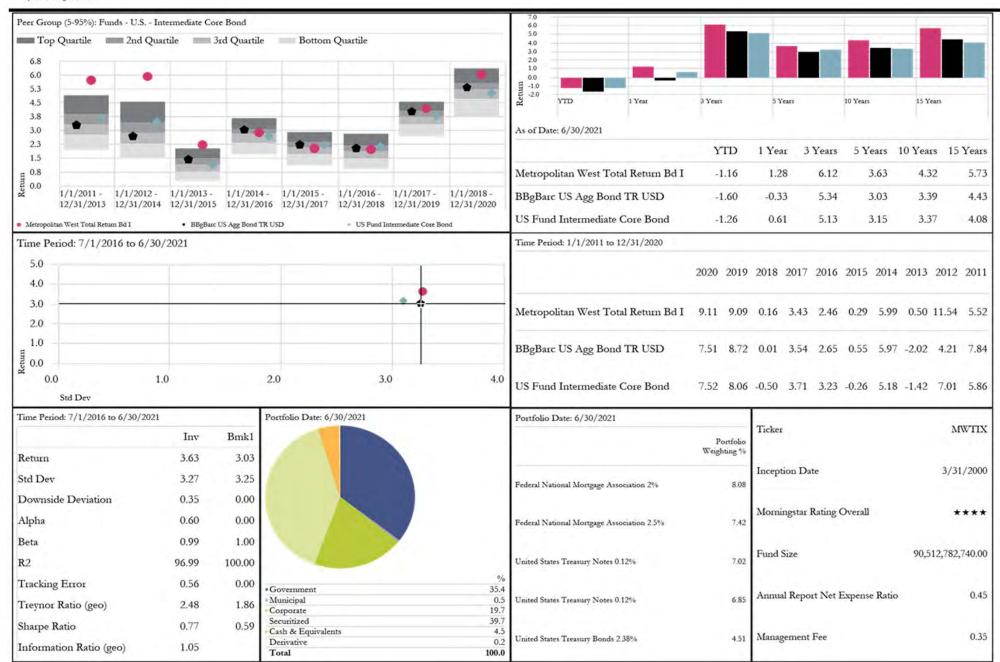






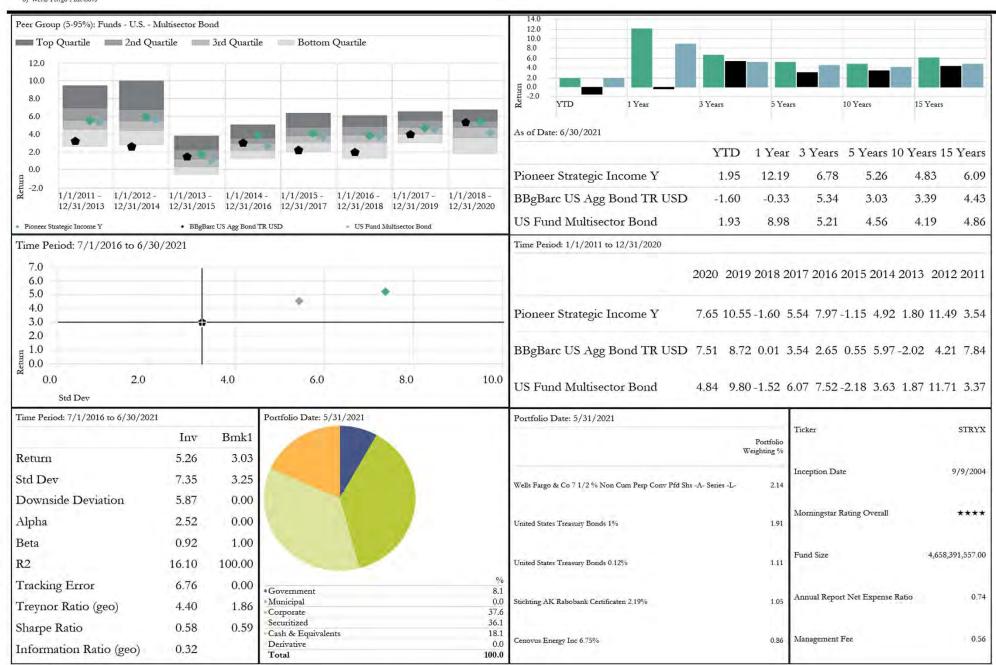








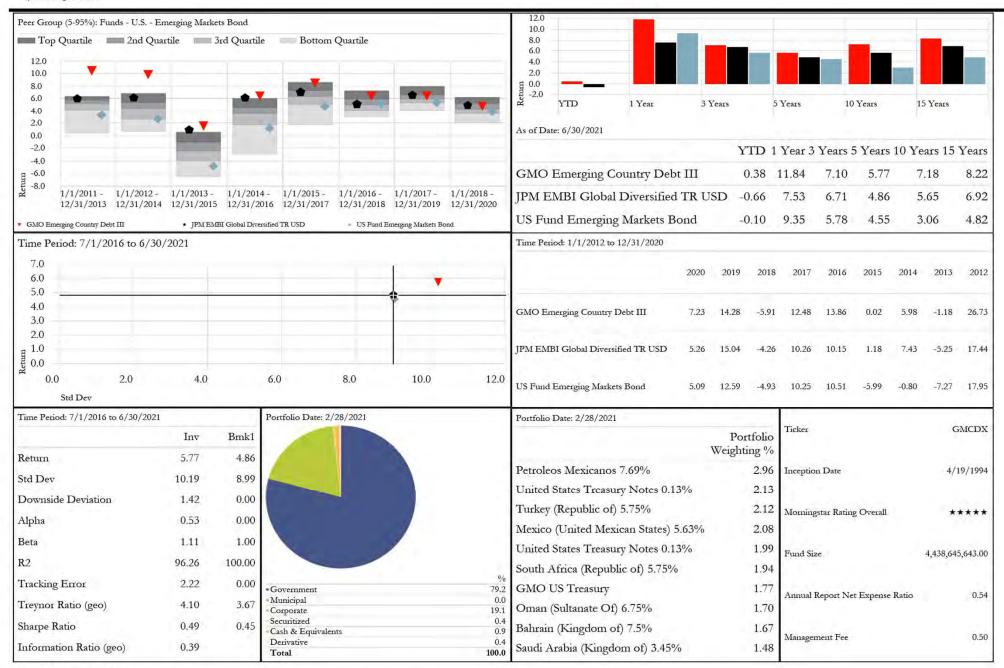
















Treynor Ratio (geo)

Information Ratio (geo)

Sharpe Ratio



100.0

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1.18

0.28

Global Macro Portfolio

7.11

0.61

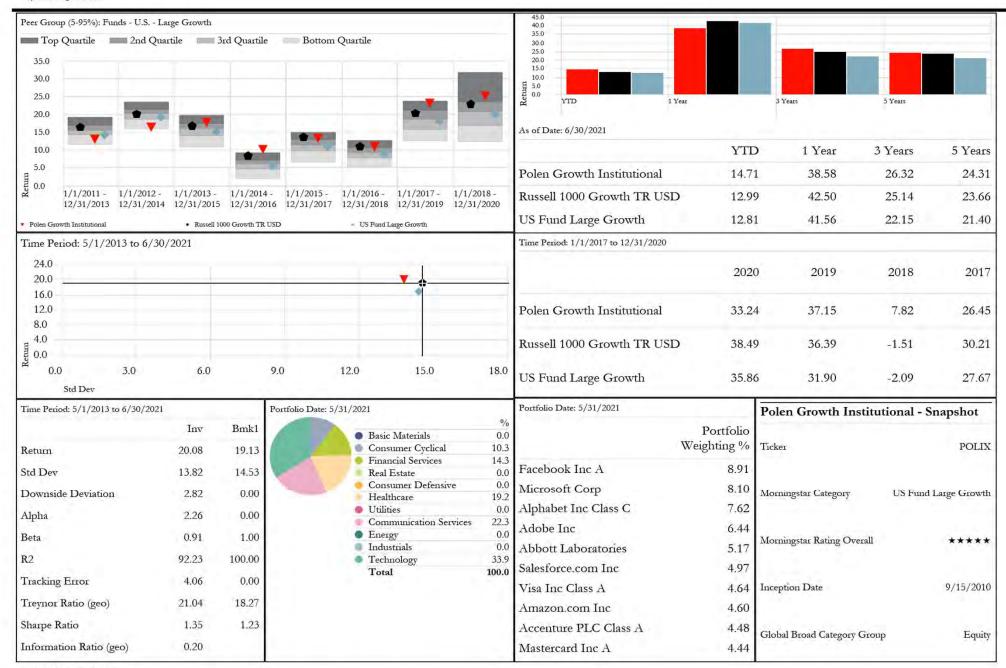
0.26

0.56

Management Fee







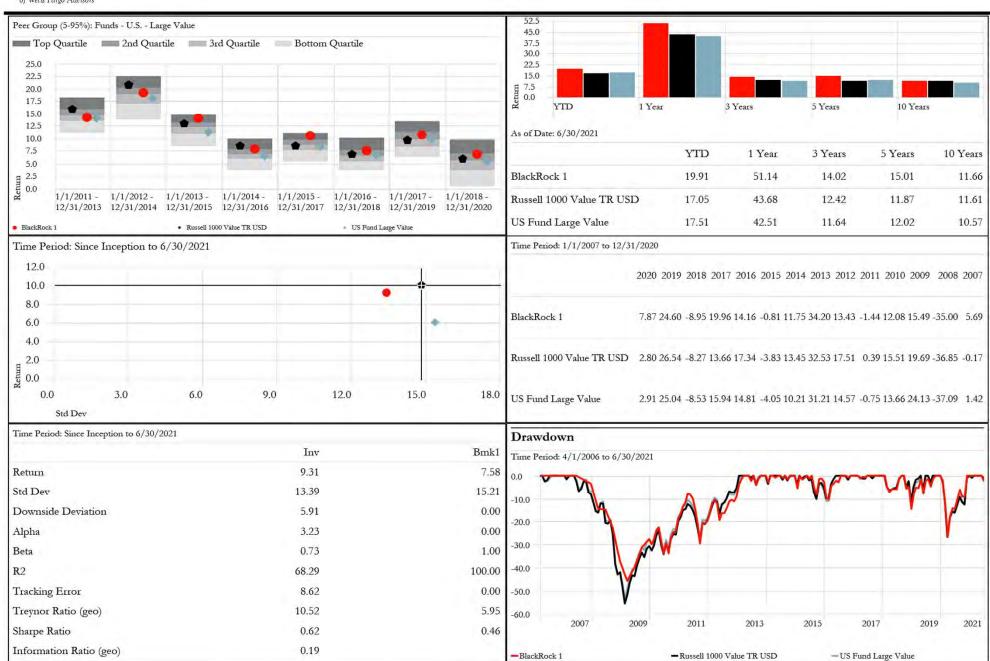


















10.84	11.06			JPMorgan Prime Money Market IM	2.38	The second second	
18.39	18.62		%	Ameriprise Financial Inc	1.83	Inception Date	11/13/1997
1.68	0.00	Basic Materials	3.0	Figh Third Revenue	1.64		
1.00	0.00	Consumer Cyclical	13.1	ritii fiiid baicoip	1.04	Morningstar Rating Overall	****
-0.02	0.00	Financial Services	23.3	Loews Corp	1.63	moning star ruting overall	2 2 2 2
0.98	1.00	Real Estate	10.7	Veel Energy Inc	1.58		
0.70	1.00	Consumer Defensive	5.0	Act Energy Inc	1.50	Fund Size	16,950,476,703.00
98.35	100.00	Healthcare	7.1	M&T Bank Corp	1.55		
2 40	0.00	- Utilities	6.6	Liberty Broadband Corp C	1.50	The state of the s	
	0.00	Communication Services	3.3	Liberty Dionobina Cosp C	1.00	Annual Report Net Expense Ratio	0.75
9.78	9.80	*Energy	5.9	Diamondback Energy Inc	1.46		
0.59	0.60	Industrials	12.5	Laboratory Corp of America Holdings	1.45	Marie Carlo	
	0.22	Technology	9.5			Management Fee	0.65
-0.08		Total	100.0	Motorola Solutions Inc	1.45		
	1.68 -0.02 0.98	18.39 18.62 1.68 0.00 -0.02 0.00 0.98 1.00 98.35 100.00 2.40 0.00 9.78 9.80 0.59 0.60	18.39 18.62 1.68 0.00 -0.02 0.00 0.98 1.00 98.35 100.00 2.40 0.00 9.78 9.80 0.59 0.60 18.62 Basic Materials Consumer Cyclical Financial Services Real Estate Consumer Defensive Healthcare Utilities Communication Services Energy Industrials Technology	18.39 18.62 % 1.68 0.00 *Basic Materials 3.0 -0.02 0.00 Financial Services 23.3 0.98 1.00 Real Estate 10.7 98.35 100.00 Healthcare 7.1 2.40 0.00 Utilities 6.6 9.78 9.80 Energy 5.9 0.59 0.60 Industrials 12.5 Technology 9.5	18.39 18.62 % Ameriprise Financial Inc 1.68 0.00 *Basic Materials 3.0 Fifth Third Bancorp -0.02 0.00 Financial Services 23.3 Loews Corp 0.98 1.00 Real Estate 10.7 Xcel Energy Inc 0.98.35 100.00 Healthcare 7.1 M&T Bank Corp 2.40 0.00 Utilities 6.6 Liberty Broadband Corp C 9.78 9.80 Energy 5.9 Diamondback Energy Inc 0.59 0.60 Industrials 12.5 Laboratory Corp of America Holdings 0.08 Technology 9.5 Meteods Solvings Lee	18.39 18.62 % Ameriprise Financial Inc 1.83 1.68 0.00 *Basic Materials 3.0 Fifth Third Bancorp 1.64 -0.02 0.00 Financial Services 23.3 Loews Corp 1.63 0.98 1.00 Real Estate 10.7 Xcel Energy Inc 1.58 98.35 100.00 Healthcare 7.1 M&T Bank Corp 1.55 2.40 0.00 *Utilities 6.6 Liberty Broadband Corp C 1.50 9.78 9.80 *Energy 5.9 Diamondback Energy Inc 1.46 0.59 0.60 Industrials 12.5 Laboratory Corp of America Holdings 1.45 0.00 Technology 9.5 Medical Francial Inc 1.64	18.39 18.62 "Basic Materials 3.0 Ameriprise Financial Inc 1.83 Inception Date 1.68 0.00 "Basic Materials 3.0 Fifth Third Bancorp 1.64 Morningstar Rating Overall -0.02 0.00 Financial Services 23.3 Loews Corp 1.63 Morningstar Rating Overall 0.98 1.00 Real Estate 10.7 Xcel Energy Inc 1.58 Fund Size 98.35 100.00 Healthcare 7.1 M&T Bank Corp 1.55 Fund Size 2.40 0.00 Utilities 6.6 Liberty Broadband Corp C 1.50 Annual Report Net Expense Ratio 9.78 9.80 Energy 5.9 Diamondback Energy Inc 1.46 Annual Report Net Expense Ratio 0.59 0.60 Industrials 12.5 Laboratory Corp of America Holdings 1.45 Management Fee







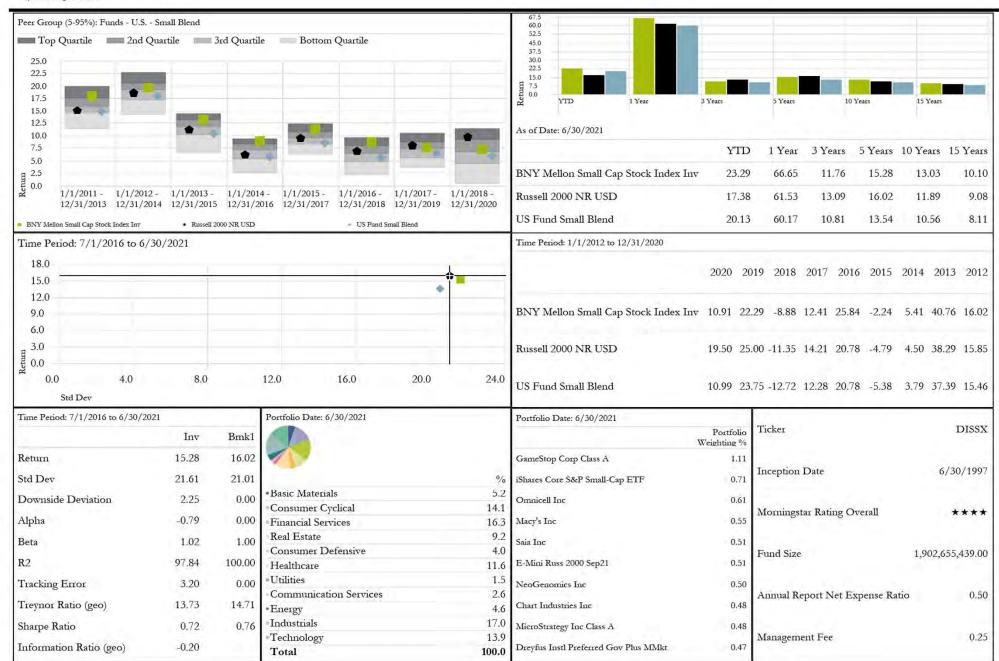


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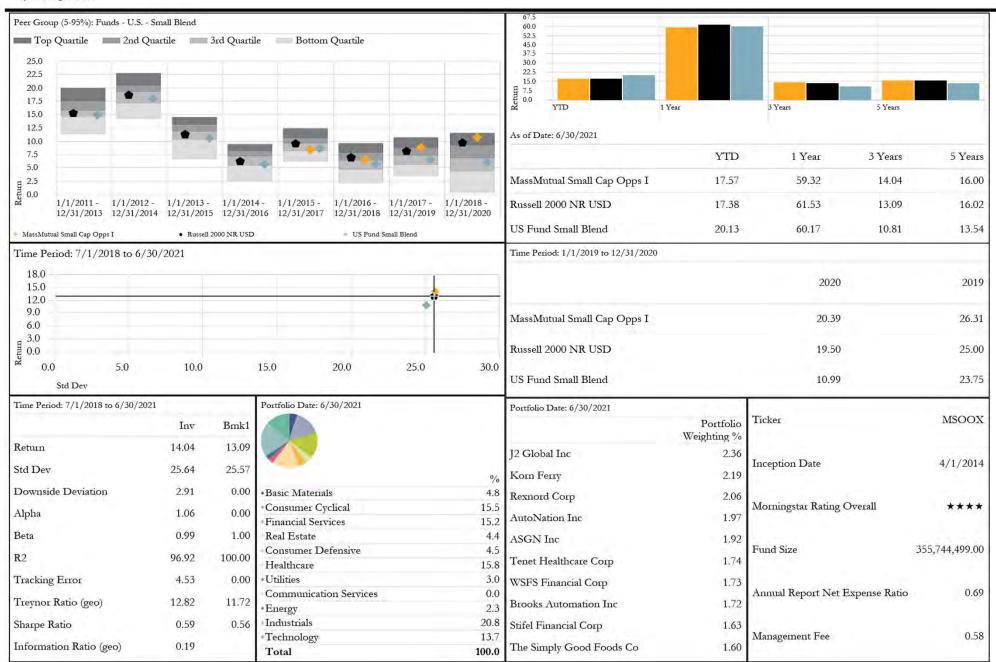






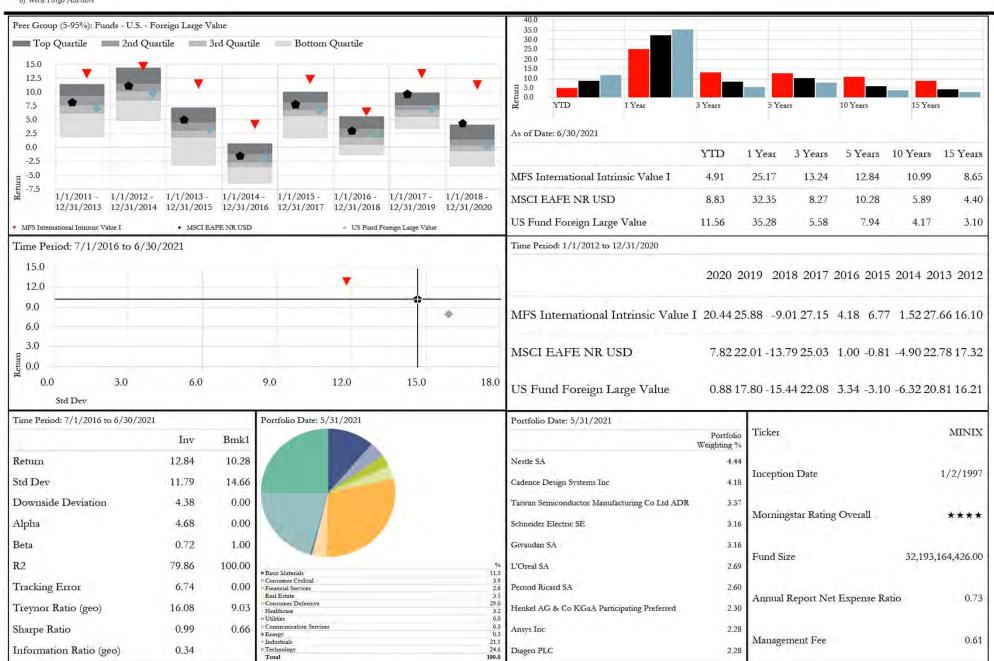














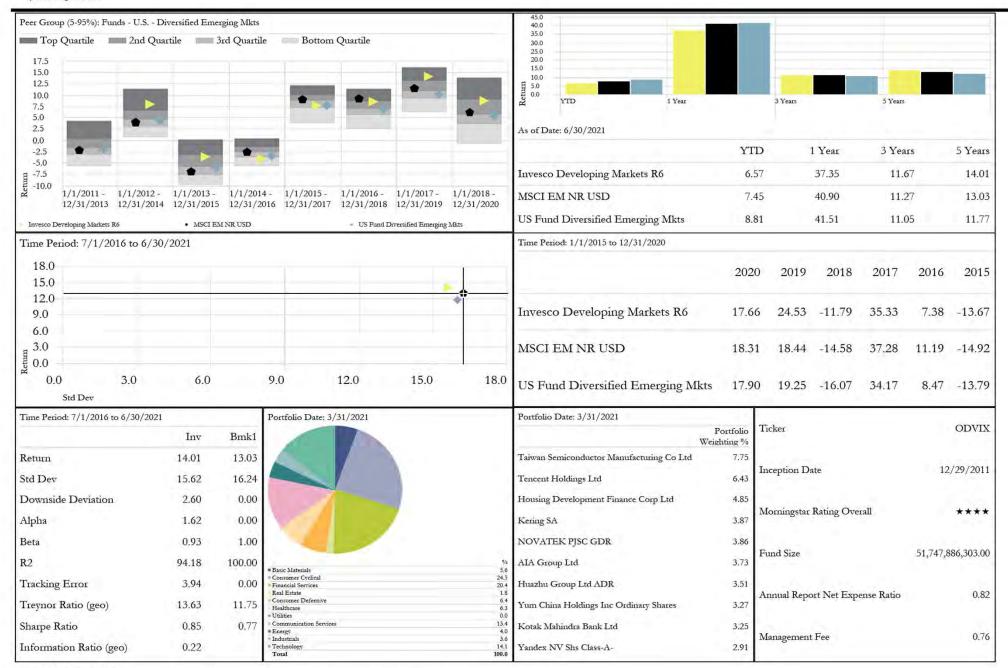








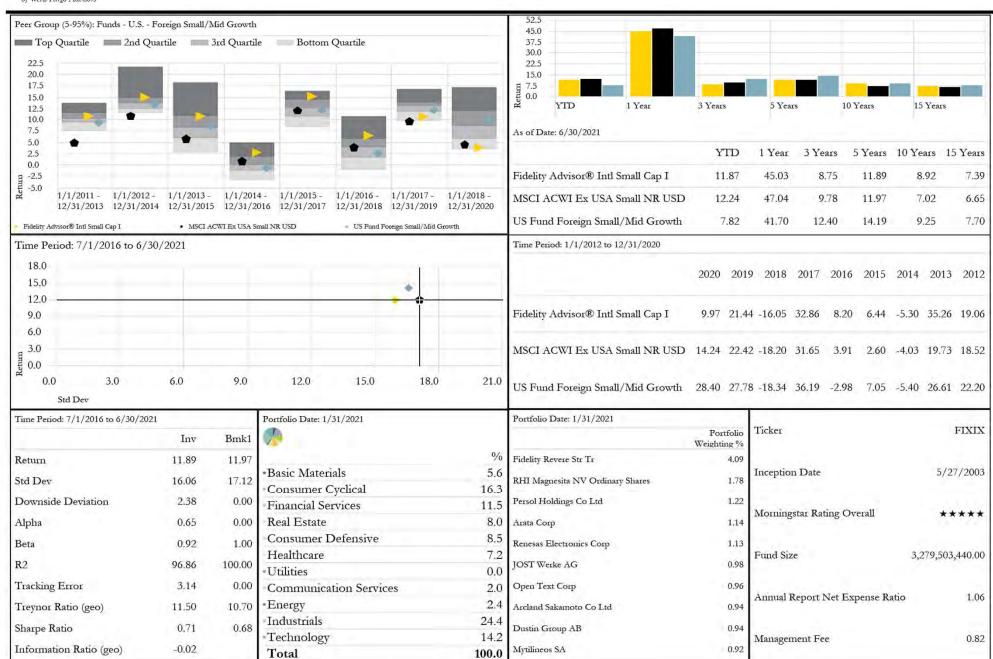




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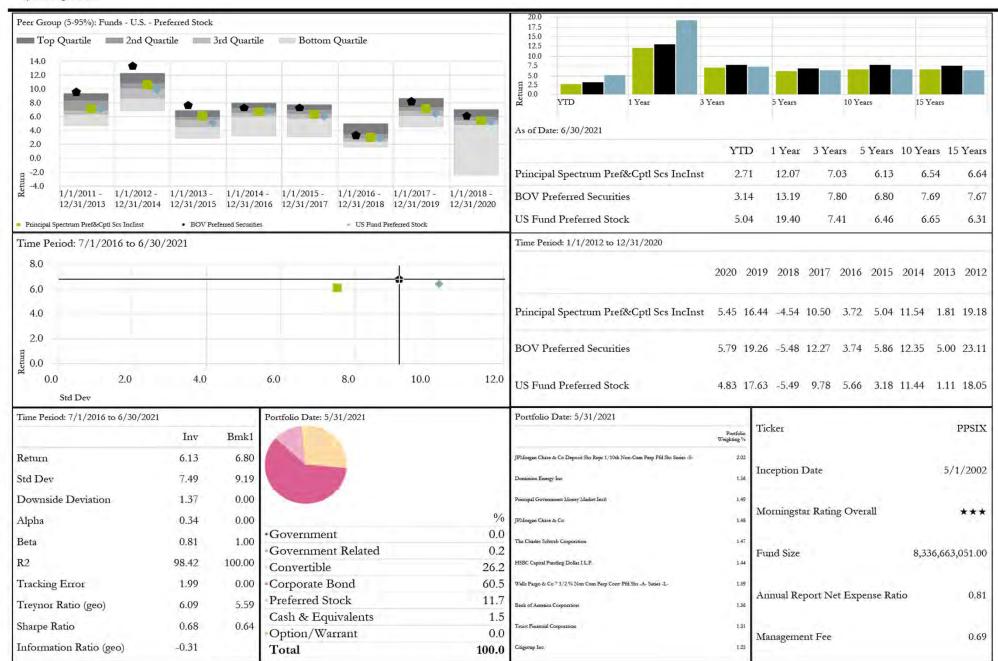






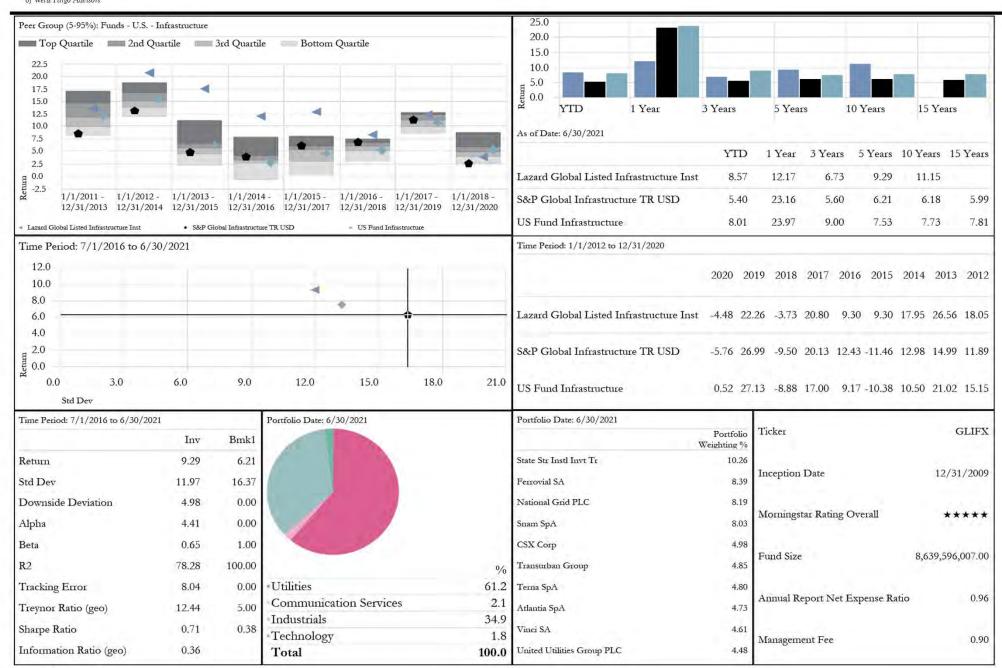














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