State of Wisconsin



Investment Performance and Expense Ratio Review

Performance as of December 31, 2018

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Executive Summary

Wisconsin Deferred Compensation Program – Asset Class Coverage

			Core '	"Doers"			
Stable Value/ Money Market	Fixed Income	Large Cap Value	Large Cap Core	Large Cap Growth	Mid Cap	Small Cap	Global/ International
FDIC Bank Option, Vanguard Treasury Money Market, Stable Value Fund	BlackRock US Debt Index, Federated US Gov Securities, Vanguard Long-Term Investment Grade	American Beacon Bridgeway Large Cap Value	Vanguard Institutional 500 Trust Index	Fidelity Contrafund Commingled Pool, Calvert U.S. Core Large Cap Resp Idx	BlackRock Mid Cap Equity Index, T.Rowe Price Instl Mid-Cap Equity	BlackRock Russell 2000 Index, DFA US Micro Cap	American Funds Europacific Growth Blackrock EAFE Equity Index
			Asset Allocati	on "Delegators"			
	Balanced/Life	style/Lifecycle			Managed	Accounts	
Vangu	ard Target Retirement	Trusts, Vanguard Wellin	ngton	1	Professional Managem	ent Program - Ibbotso	n
			Specialty "S	ophisticates"			
	Brokerage		0	ther		Company Ste	ock
	Schwab						

This graph is intended to show generally the anticipated relationship between various asset classes and the corresponding funds within each asset class available through your plan. Please note this is not intended to predict an actual level of return or risk for these funds. The historical returns and risk for these funds may vary significantly from the linear relationship represented above. Please refer to the funds' prospectuses and shareholder reports for actual return information.

Generally, the asset allocation of each target date fund will change on an annual basis with the asset allocation becoming more conservative as the fund nears the target retirement date. The target date is the approximate date when investors plan to start withdrawing their money.

The principal value of the fund(s) in a plan's lineup is not guaranteed at any time, including at the time of target date and/or withdrawal.

Performance Benchmarking

12/31/2018

Name	Total Ret 3 Mth	Total Ret 1 Yr	Total Ret 3 Yr	Total Ret 5 Yr	Total Ret 10 Yr	Total Net Assets \$M	Expense Ratio
American Funds EuroPacific Gr R6	-12.59	-14.91	4.08	1.86	7.69	145,258	0.49
Morningstar Foreign Large Growth Avg	-13.87	-14.08	3.21	1.38	7.43	-	1.15
MSCI EAFE Index	-12.54	-13.79	2.87	0.53	6.32	-	-
MSCI ACWI ex U.S.	-11.46	-14.20	4.48	0.68	6.57	-	-
Blackrock EAFE Equity Index Coll T	-12.55	-13.50	3.42	0.78	6.40	-	0.08
MSCI EAFE Index	-12.54	-13.79	2.87	0.53	6.32	-	-
DFA US Micro Cap I	-20.56	-11.60	7.28	4.14	13.08	6,176	0.52
Morningstar Small Cap Blend Avg	-19.38	-12.72	5.90	3.20	11.60	-	1.17
Russell 2000 Index	-20.20	-11.01	7.36	4.41	11.97	-	-
Blackrock Russell 2000 Index Coll T	-20.18	-10.89	7.56	4.61	12.13	-	0.07
Russell 2000 Index	-20.20	-11.01	7.36	4.41	11.97	-	-
T. Rowe Price Mid-Cap Growth	-13.15	-2.04	9.14	9.41	16.23	28,927	0.76
Morningstar Mid Cap Growth Avg	-17.57	-6.65	7.27	5.61	13.16	-	1.20
Russell Mid Cap Growth Index	-15.99	-4.75	8.59	7.42	15.12	-	-
S&P Midcap 400 Index	-17.28	-11.08	7.66	6.03	13.68	-	-
Blackrock Midcap Equity Index Coll F	-17.26	-11.05	7.69	6.07	13.70	-	0.04
S&P MidCap 400 Index	-17.28	-11.08	7.66	6.03	13.68	-	-
Calvert US Large Cap Core Rspnb ldx R6	-13.73	-4.06	8.76	8.28	13.76	2,226	0.19
S&P 500 Index	-13.52	-4.38	9.26	8.49	13.12	-	-
Morningstar Socially Resp Large Cap Avg**	-13.81	-5.18	7.99	6.94	12.19	-	0.93
Morningstar Large Cap Growth Avg	-15.43	-2.09	8.98	8.16	13.74	-	1.09
Fidelity Contrafund Commingled Pool Cl 2	-16.29	-1.89	10.54	-	-		0.38
Morningstar Large Cap Growth Avg	-15.43	-2.09	8.98	8.16	13.74	-	1.09
Russell 1000 Growth Index	-15.89	-1.51	11.15	10.40	15.29	-	-
S&P 500 Index	-13.52	-4.38	9.26	8.49	13.12	-	-
American Beacon Bridgeway Lg Cap Value I CIT*	-15.13	-12.24	5.31	5.66	12.10	4,373	0.55
Morningstar Large Cap Value Avg	-11.72	-8.27	6.95	5.95	11.18	-	-
Russell 1000 Value Index	-12.49	-8.53	6.85	5.37	10.91	-	-

* The American Beacon CIT is newly established. Returns presented in italics are linked to mutual fund performance.

**This index is a compilation of all Large Cap Socially Conscious Funds in the Morningstar Database



Name	Total Ret 3 Mth	Total Ret 1 Yr	Total Ret 3 Yr	Total Ret 5 Yr	Total Ret 10 Yr	Total Net Assets \$M	Expense Ratio
Vanguard Institutional 500 Index Trust*	-13.52	-4.41	9.24	8.48	13.13		0.01
S&P 500 Index	-13.52	-4.38	9.26	8.49	13.12	-	-
Vanguard Wellington Adm	-6.75	-3.35	7.23	6.29	9.96	96,215	0.17
Morningstar Moderate Allocation Ave	g -8.64	-5.76	4.71	3.67	8.33	-	1.13
Composite 65% S&P 500 / 35% Barclay's Aggregate	-8.22	-2.85	6.74	6.40	9.74	-	-
Composite 65% S&P 500 / 35% Barclay's U.S. Credit A or Better Idx	8.67	-3.67	6.96	6.65	10.44	-	-
Vanguard Long-Term Investment-Grade Adm	-0.02	-5.86	4.41	5.68	6.99	16,218	0.12
Barclay's LT Corporate A	0.35	-2.35	2.70	3.23	5.46	-	-
Morningstar Corp Bond	d -0.47	-2.49	3.27	3.20	5.81	-	0.83
Blackrock US Debt Index Fund Coll W	1.62	0.03	2.11	2.60	3.53	-	0.04
BarCap US Agg Bond TR USE) 1.64	0.01	2.06	2.52	3.48	-	-
Federated US Govt 2-5 Yr Instl	2.02	0.94	0.67	0.60	1.13	253	0.59
Morningstar Short Government Ave	g 1.12	1.14	0.75	0.71	1.15	-	0.74
Barclay's US Treas/Agency 3-5 Y	r 2.42	1.49	1.27	1.52	1.94	-	-
BofA Merrill Lynch US Treas 3-5 Y	r 2.38	1.47	1.25	1.50	1.92	-	-
Vanguard Admiral Treasury Money Mkt Inv	0.54	1.80	0.95	0.57	0.32	23,490	0.09
Morningstar Taxable Money Mkt Av	g 0.44	1.41	0.66	0.40	0.22	-	0.49
U.S. Treasury 90-Day T-Bil	l 0.57	1.94	1.06	0.65	0.38	-	-
iMoney Net Average Treasury MM	1 0.45	1.30	0.56	0.33	0.17	-	-
Stable Value Fund	0.61	2.26	2.02	1.93	2.57	666	0.32
5 Yr. Constant Maturity Treasury Yield	0.72	2.75	2.00	1.83	1.67	-	-

*** The Vanguard Institutional 500 Index Trust has an inception date of August, 17, 2018. Performance shown is taken from the Vanguard Institutional Index PL.



<u>Name</u>

American Funds EuroPacific Gr R6 Calvert U.S. Lrg Cap Core Resp Idx* DFA U.S. Micro Cap Federated U.S. Govt: 2-5 Yr Instl Fidelity Contrafund T. Rowe Price Mid-Cap Growth Vanguard Institutional Index Instl PI Vanguard Long-Term Inv Grade Adm Vanguard Wellington Adm

<u>Q4</u>	<u>Q3</u>	<u>Q2</u>	<u>Q1</u>	<u>Q4</u>	<u>Q3</u>	<u>Q2</u>	<u>Q1</u>	<u>Q4</u>	<u>Q3</u>	<u>Q2</u>	<u>Q1</u>
67	54	56	66	68	69	79	77	80	80	66	66
66	60	35	46	38	44	52	44	52	71	62	61
81	83	83	80	75	82	77	61	71	63	61	82
30	15	14	14	30	55	47	60	45	63	70	38
67	66	79	79	80	71	75	69	59	63	60	63
74	57	71	88	92	96	97	96	95	98	98	99
85	90	89	88	87	87	91	94	95	95	90	89
88	88	98	86	96	99	99	99	99	100	100	100
93	92	93	97	97	97	96	96	97	94	94	92

2018 2018 2018 2018 2017 2017 2017 2017 2016 2016 2016 2016

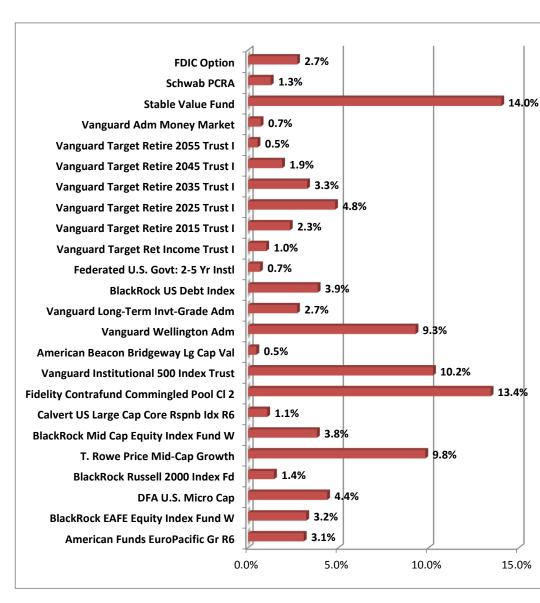
* Percentile ranks shown for time periods prior to Q3 2018 for the Calvert U.S. Large Cap Core Resp Idx are taken from the Calvert Equity Fund.

76-100	1st Quartile
51-75	2nd Quartile
26-50	3rd Quartile
1-25	4th Quartile



	Plan Inception Date	Fund Net Assets	WDC Assets in Fund	WDC as a Percentage of Fund Assets	Fund as a Percentage of WDC Assets	Number of Participants	Percentage of WDC Participants Utilizing Fund
American Funds EuroPacific Gr R6	1/28/2005	\$145,257,793,739	\$146,615,657	0.10%	3.09%	15,698	24.59%
BlackRock EAFE Equity Index Fund W	2/1/2001	\$260,670,000	\$153,093,008	58.73%	3.22%	19,579	30.67%
DFA U.S. Micro Cap	2/1/1997	\$6,175,925,126	\$208,008,339	3.37%	4.38%	18,168	28.46%
BlackRock Russell 2000 Index Fd	2/20/2004	\$318,650,000	\$68,346,092	21.45%	1.44%	14,124	22.12%
T. Rowe Price Mid-Cap Growth	2/1/1998	\$28,926,964,674	\$465,863,200	1.61%	9.81%	30,438	47.67%
BlackRock Mid Cap Equity Index Fund W	2/1/2001	\$4,743,350,000	\$181,217,181	3.82%	3.82%	21,334	33.41%
Calvert US Large Cap Core Rspnb Idx R6	4/18/2003	\$2,226,458,316	\$50,456,401	2.27%	1.06%	3,064	4.80%
Fidelity Contrafund Commingled Pool Cl 2	1/31/1994	\$108,262,835,390	\$637,534,849	0.59%	13.43%	32,261	50.53%
Vanguard Institutional 500 Index Trust	9/9/1990	N/A	\$486,161,275	NA	10.24%	27,388	42.90%
American Beacon Bridgeway Lg Cap Val	11/1/2017	\$181,838,149	\$22,047,485	12.12%	0.46%	14,282	22.37%
Vanguard Wellington Adm	10/26/2001	\$96,215,459,123	\$440,281,968	0.46%	9.27%	24,704	38.69%
Vanguard Long-Term Invt-Grade Adm	10/26/2001	\$16,218,309,259	\$128,894,223	0.79%	2.72%	16,335	25.58%
BlackRock US Debt Index	2/1/2001	\$1,136,500,000	\$183,089,746	16.11%	3.86%	17,557	27.50%
Federated U.S. Govt: 2-5 Yr Instl	2/3/1992	\$252,540,409	\$31,578,475	12.50%	0.67%	5,946	9.31%
Vanguard Target Ret Income Trust I	7/29/2005	\$1,723,252,578	\$47,748,271	2.77%	1.01%	1,859	2.91%
Vanguard Target Retire 2015 Trust I	7/29/2005	\$2,139,066,198	\$109,893,018	5.14%	2.31%	3,001	4.70%
Vanguard Target Retire 2025 Trust I	7/29/2005	\$8,253,528,613	\$228,779,693	2.77%	4.82%	6,602	10.34%
Vanguard Target Retire 2035 Trust I	7/29/2005	\$6,574,062,922	\$155,243,866	2.36%	3.27%	6,762	10.59%
Vanguard Target Retire 2045 Trust I	7/29/2005	\$4,546,378,488	\$89,508,568	1.97%	1.89%	6,283	9.84%
Vanguard Target Retire 2055 Trust I	8/18/2010	\$1,521,798,994	\$25,088,946	1.65%	0.53%	3,601	5.64%
Vanguard Adm Money Market	10/1/1993	\$23,490,300,000	\$33,186,336	0.14%	0.70%	6,558	10.27%
Stable Value Fund	9/1/1996	N/A	\$665,617,953	N/A	14.02%	25,206	39.48%
Schwab PCRA	2/17/2000	N/A	\$59,897,228	N/A	1.26%	1,216	1.90%
FDIC Option	12/31/1996	N/A	\$129,108,178	N/A	2.72%	9,948	15.58%



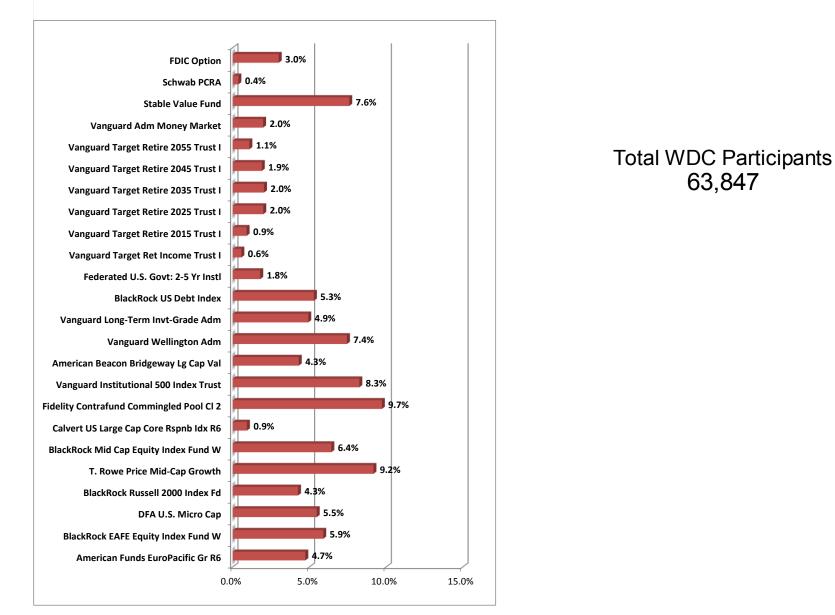


Total WDC Assets **\$4,747,259,955**

\$2,119,634,821	45%
\$299,708,664	6%
\$1,096,544,329	23%
\$343,562,444	7%
\$827,912,467	17%
\$59,897,228	1%
	\$299,708,664 \$1,096,544,329 \$343,562,444 \$827,912,467



Participant Summary





Expense Summary

12/31/2018

Name	Expense Ratio
American Funds EuroPacific Gr R6	0.49
Cat: Foreign Large Growth	1.15
Blackrock EAFE Equity Index Fund W	0.08
Cat: Foreign Large Blend Index	0.42
DFA U.S. Micro Cap	0.52
Cat: Small Blend	1.17
Blackrock Russell 2000 Index Fd	0.07
Cat: Small Cap Blend Index	0.42
T. Rowe Price Mid-Cap Growth	0.76
Cat: Mid Growth	1.20
Blackrock Mid Cap Equity Index Fund W	0.04
Cat: Mid Cap Blend Index	0.49
Calvert US Large Cap Core Rspnb ldx R6	0.19
Cat: Socially Resp Large Cap	0.93
Fidelity Contrafund Commingled Pool Cl 2	0.38
Cat: Large Growth	1.09
Vanguard Institutional 500 Index Trust	0.02
Cat: Large Cap Blend Index	0.45
American Beacon Bridgeway Lg Cap Val	0.55
Cat: Large Value	1.01
Stable Value Fund	0.32
Cat: Stable Value	0.70

Asset-Weighted Average Expense Ratio: 0.21%

Name	Expense Ratio
Vanguard Wellington Adm	0.17
Cat: Moderate Allocation	1.13
Vanguard Target Retirement 2055 Inv	0.07
Cat: Target Date 2050+	0.79
Vanguard Target Retirement 2045 Inv	0.07
Cat: Target Date 2041-2045	0.79
Vanguard Target Retirement 2035 Inv	0.07
Cat: Target Date 2031-2035	0.78
Vanguard Target Retirement 2025 Inv	0.07
Cat: Target Date 2021-2025	0.77
Vanguard Target Retirement 2015 Inv	0.07
Cat: Target Date 2011-2015	0.73
Vanguard Target Retirement Income Inv	0.07
Cat: Retirement Income	0.77
Vanguard Long-Term Invmt-Grade Adm	0.12
Cat: Corporate Bond	0.83
Blackrock US Debt Index	0.04
Cat: Intermediate Bond Index	0.34
Federated U.S. Govt: 2-5 Yr Instl*	0.59
Cat: Short Government	0.74
Vanguard Adm Money Market	0.09
Average US Taxable Money Market Fund	0.49

* The Federated U.S. Govt. 2-5 Yr Fund shares revenue back to the plan's participants, which is not reflected in the expense ratios above. The expense ratios of the funds including this reimbursement would be 0.43 for the Federated fund.





Target Date Fund Summary

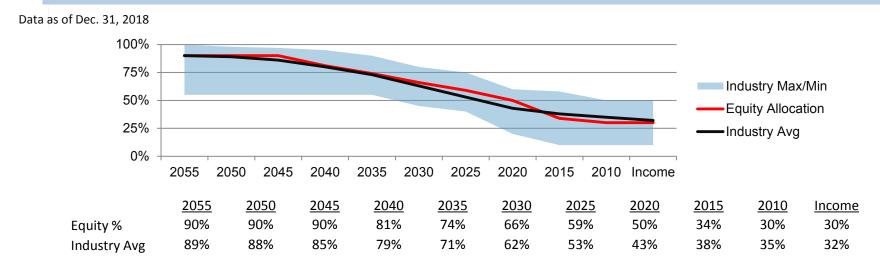
Target Date Performance

Name	Total Ret 3 Mth	Total Ret 1 Yr	Total Ret 3 Yr	Total Ret 5 Yr	Total Ret 10 Yr	Total Net Assets \$M	Expense Ratio	% Short- Term	% US Stocks	% Non US Stocks	% Inv Grade Bond	% High Yield Bond
Vanguard Target Retire Inc Trust I	-3.20	-1.99	3.82	3.35	5.92	1,723	0.07	4	18	11	67	0
S&P Target Date Retirement Income TR USD	-3.92	-2.54	3.57	3.06	5.31	-	-	-	-	-	-	-
Composite Returns*	-2.97	-2.76	2.98	2.83	5.05	-	-	-	-	-	-	-
Vanguard Target Retire 2015 Trust I	-4.69	-2.94	4.72	4.03	7.84	2,139	0.07	3	25	16	56	0
S&P Target Date 2015 TR USD	-5.72	-3.67	4.57	3.79	7.11	-	-	-	-	-	-	-
Composite Returns*	-4.77	-3.90	3.35	2.98	5.73	-	-	-	-	-	-	-
Vanguard Target Retire 2025 Trust I	-7.74	-5.06	5.73	4.66	9.06	8,254	0.07	2	38	24	36	0
S&P Target Date 2025 TR USD	-7.81	-5.02	5.46	4.31	8.46	-	-	-	-	-	-	-
Composite Returns*	-8.03	-5.95	4.05	3.27	6.97	-	-	-	-	-	-	-
Vanguard Target Retire 2035 Trust I	-9.92	-6.52	6.41	4.99	10.04	6,574	0.07	2	46	30	22	0
S&P Target Date 2035 TR USD	-10.55	-6.88	6.08	4.69	9.38	-	-	-	-	-	-	-
Composite Returns*	-10.20	-7.34	4.48	3.41	7.74	-	-	-	-	-	-	-
Vanguard Target Retire 2045 Trust I	-11.77	-7.86	6.78	5.13	10.26	4,546	0.07	2	53	35	10	0
S&P Target Date 2045 TR USD	-11.75	-7.74	6.51	4.91	9.88	-	-	-	-	-	-	-
Composite Returns*	-12.06	-8.52	4.85	3.54	8.41	-	-	-	-	-	-	-
Vanguard Target Retire 2055 Trust I	-11.77	-7.83	6.77	5.10	-	1,522	0.07	2	54	34	10	0
S&P Target Date 2055+ TR USD	-12.10	-7.97	6.82	5.07	-	-	-	-	-	-	-	-
Composite Returns*	-12.08	-8.46	4.88	3.59	8.45	-	-	-	-	-	-	-

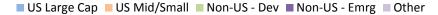
*Composite benchmark consists of the following indices weighted to match the allocation of the specific target date fund: MSCI Broad Market, MSCI EAFE, Barclays Aggregate Bond, and Barclays US Treasury 1-3 Month

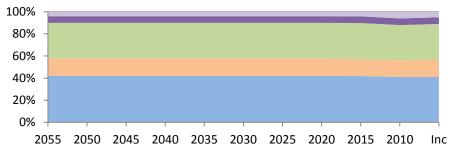


Glide Path Summary



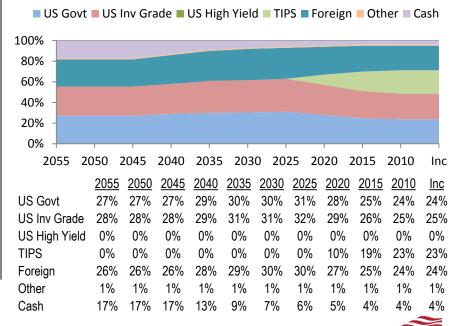
Equity Diversification





2010 2055 2050 2045 2040 2035 2030 2025 2020 2015 Inc 45% US Large Cap 45% 45% 45% 45% 45% 45% 45% 45% 45% 45% 13% US Mid/Small 13% 13% 13% 13% 13% 13% 13% 13% 13% 13% Non-US - Dev 31% 31% 31% 31% 31% 31% 31% 31% 31% 31% 31% Non-US - Emrg 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 7% 4% 4% 4% 4% 4% Other 4% 4% 4% 4% 4% 4%

Fixed Income Diversification



EMPOWER



Expense Ratio Information

Expense Summary

12/31/2018

	Net Expense Ratio	Peer Rank	Gross Expense Ratio	Peer Rank
Cash Equiv				
Stable Value				
Stable Value (Wisconsin)	0.32		0.32	
Fixed Income				
Noney Market-Taxable				
Vanguard Treasury Money Market Investor	0.09	1	0.09	1
Money Market-Taxable Median	0.50		0.61	
Short Government				
Federated US Govt 2-5 Yr Instl	0.59	32	0.88	46
Short Government Median	0.75		0.90	
ntermediate-term Bond				
BlackRock US Debt Index-W	0.04	2	0.04	1
Intermediate-Term Bond Median	0.77		0.93	
Corporate Bond				
Vanguard Long-Term Investment-Grade Adm	0.12	15	0.12	14
Corporate Bond Median	0.64		0.80	
Balanced				
Allocation50% to 70% Equity				
Vanguard Wellington Admiral	0.17	1	0.17	1
Allocation50% to 70% Equity Median	1.16		1.31	
Farget-Date Retirement				
The Vanguard Target Retire Inc Trust I	0.07	1	0.07	1
Target-Date Retirement Median	0.80		1.10	
Farget-Date 2015				
The Vanguard Target Retire 2015 Trust I	0.07	1	0.07	1
Target-Date 2015 Median	0.85		1.19	
Farget-Date 2025				
The Vanguard Target Retire 2025 Trust I	0.07	1	0.07	1
Target-Date 2025 Median	0.83		1.10	
Farget-Date 2035				
The Vanguard Target Retire 2035 Trust I	0.07	1	0.07	1
Target-Date 2035 Median	0.83		1.15	



Expense Summary

12/31/2018

	Net Expense Ratio	Peer Rank	Gross Expense Ratio	Peer Rank
Target-Date 2045				
The Vanguard Target Retire 2045 Trust I	0.07	1	0.07	1
Target-Date 2045 Median	0.81		1.17	
Target-Date 2055				
The Vanguard Target Retire 2055 Trust I	0.07	1	0.07	1
Target-Date 2055 Median	0.79		1.29	
Equity				
Large Value				
Bridgeway Large Cap Value CIT Class I	0.55	15	0.55	13
Large Value Median	1.05		1.21	
Large Blend				
Vanguard Institutional Index Instl PI	0.02	1	0.02	1
Calvert US Large Cap Core Rspnb Idx R6	0.19	6	0.35	9
Large Blend Median	1.04		1.19	
Large Growth				
Fidelity Contrafund Commingled Pool Cl 2	0.38	4	0.38	3
Large Growth Median	1.14		1.28	
Mid-Cap Blend				
BlackRock Mid Cap Equity Index- F	0.04	1	0.04	1
Mid-Cap Blend Median	1.10		1.25	
Mid-Cap Growth				
T. Rowe Price Instl Mid-Cap Equity Gr	0.61	4	0.61	3
Mid-Cap Growth Median	1.25		1.46	
Small Blend				
DFA US Micro Cap I	0.52	11	0.52	9
BlackRock Russell 2000 Index-T	0.07	2	0.07	2
Small Blend Median	1.19		1.33	
International				
Foreign Large Blend				
BlackRock EAFE Equity Index-T	0.08	2	0.08	3
Foreign Large Blend Median	1.12		1.32	



Expense Summary				12/31/2018
	Net Expense Ratio	Peer Rank	Gross Expense Ratio	Peer Rank
Foreign Large Growth				
American Funds Europacific Growth R6	0.49	4	0.49	3

1.36

1.17

Past performance is no guarantee of future results. Rankings provided based on total returns. Performance quoted for mutual funds may include performance of a predecessor fund/share class prior to the share class commencement of operations.

Foreign Large Growth Median



Fund Analysis

Please consider the investment objectives, risks, fees and expenses carefully before investing. The prospectus contains this and other information about the investment options. Depending on the investment options offered in your Plan, your registered representative can provide you with prospectuses for any mutual funds; any applicable annuity contracts and the annuity's underlying funds; and/or disclosure documents for investment options exempt from SEC registration. Please read them carefully before investing.

Past performance is not indicative of future results. Performance includes the reinvestment of any income. Returns will fluctuate; and an investment upon redemption may be worth more or less than its original value. Current performance may be higher or lower than the performance data shown. For up-to-date month end performance information please call 800-345-2345.

Rankings provided based on total return.

Sources: MPI Stylus Web, Morningstar, individual investment managers

Stable V	alue (Wiscon	sin)									12/	31/2	2018
Fund Incep Date: 07/01/1998	Benchmark: Citi Treasury Bill 3 Mon USD		Category: Stable Value		Net Assets: \$665.70M	•	e r Name : Capital Managemen	•	• Start Date: 98		Expense Ratio 0.32%	•	ense Rank: NA
PORTFOLIO COMPO	OSITION (Holdings-based)		INVESTMENT OV	ERVIEW									
Assets			To provido pofoty o	f principal or	d a stable ore	diting rate whil	e generating a compe	atitivo rotura					
	Cash US Stocks US Bonds Non-US Stocks Preferred Stocks Convertible Bonds	1.67% 0.00% 0.00% 0.00% 0.00%	PERFORMANCE			•							
	Other	0.00%				3 Year R	olling Performance	Jan 14-Dec	18)				
	Non-US Bonds	0.00%	3			o real re	oning i chormanoc	(our i+ Deo	10)				
Sector Breakdown												Value (Wisco	,
Sensitive											🔳 Citi In	easury Bill 3	MonUSD
Communication Service	8	0.00%											
Industrials		0.00%	2-										
Technology		0.00%	2										
Energy		0.00%											
Cyclical													
Basic Materials		0.00%	-										
Consumer Cyclical		0.00%	1								-		
Real Estate		0.00%								/			
Financial Services		0.00%							_				
Defensive													
Consumer Defensive		0.00%				_							
Healthcare		0.00%	2/2014	4/2014	2/2015	4/2015	2/2016 4/2016	2/2017	4/2017	2/2018	4/2018		
Utilities		0.00%	2/2014	4/2014	2/2013	-#/2013	2/2010 4/2010	2/2017	4/2017	2/2010	7/2010		
TOP 10 HOLDINGS					3M	YTD	1Y	3Y	5Y	7Y	10Y		SI
TOP TO HOLDINGS			Fund		0.61	2.26	2.26 / NA	2.02 / NA	1.93 / NA	2.05 / 1	NA 2.57 /	NA	4.13
			Benchmark		0.57	1.86	1.86 / NA	0.99 / NA	0.60 / NA	0.45 /	NA 0.35 /	NA	

CALENDAR	2018	2017	2016	2015	2014	2013	2012	2011	2010
Fund	2.26	1.90	1.90	1.85	1.73	2.10	2.63	3.13	3.93
Benchmark	1.86	0.84	0.27	0.03	0.03	0.05	0.07	0.08	0.13

NA

						RISK & PERFORMANCI	E STATISTICS	
lota	1:				NA%	3 Yr	Fund	Benchmark
ASS	SET LOADINGS (F	Returns-b	ased)			Alpha	1.00	0.00
	•					Beta	0.38	1.00
100	FUND EXP	POSURES (W EIGHT)	(Jan 16-Dec	: 18)	R-Squared	1.13	100.00
75						Sharpe Ratio	14.88	-0.13
50						Up Market Capture	203.93	100.00
25						Down Market Capture	NA	NA
0	-		rrent		erage	5 Yr	Fund	Benchmark
_	<u> </u>	Fund	Bmk	Fund	Bmk	Alpha	1.30	0.00
	Cash	99.8	100.0	99.8	100.0			1.00
	Mortgages	0.0	0.0	0.0	0.0	Beta	0.60	
1	Gov/Corp Bonds	0.3	0.0	0.2	0.0	R-Squared	1.73	100.00
						Sharpe Ratio	19.63	-0.10
						Up Market Capture	318.64	100.00

Down Market Capture

NA

	NOTES		
Benchmark			
0.00			
1.00			
100.00			
-0.13			
100.00			
NA			
Benchmark			
0.00			
1.00			
100.00			
-0.10			



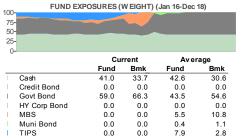
Vanguard Treasury Money Market Investor VUSXX

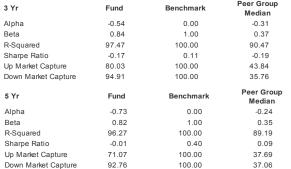
U											
Fund Incep Date: 12/14/1992	Benchmark: FTSE Treasury Bill 3	3 Mon	Category: Money Market-Taxable	Net Assets: \$23,262.00M	Manage	er Name:	Manag	er Start Date:	Expens	e Ratio: 0.09%	Expense Ran
	· · · · · · · · · · · · · · · · · · ·		,								
PORTFOLIO COMPO	OSITION (Holdings-bas	sed)	INVESTMENT OVERVIE	w							
Assets			The investment seeks to	provide current incor	me while mainta	aining liquidity and	d a stable share	price of \$1. The fund	l invests solely ir	n high-quality,	short-term
	Cash US Stocks US Bonds Non-US Stocks Preferred Stocks	88.00% 0.00% 11.97% 0.00% 0.00%	a dollar-weighted average	easury securities; th	e remainder of	the assets may b	e invested in sec	curities issued by U.S			
	Convertible Bonds Other	0.00% 0.03%									
	Non-US Bonds	0.00%			3 Year R	olling Performa	nce (Jan 14-De	c 18)			
			0.9-							 5th to 25th 25th to Me Median to 75th to 95t 	dian 75th Percentile
Credit Quality (%)			0.7-							-	
AAA			0.6-							Vanguard	
AA A			0.5-								irket Investor
BBB			0.4							FTSE Tre	asury Bill 3 Mon
BB											
В			0.3								
Below B			0.2								
Delow D											
			- 0.1-								
NR/NA		0.00%	- 0.1-								
NR/NA		0.00%	0.1	/2014 2/2015	4/2015	2/2016 4/	2016 2/201	7 4/2017	2/2018 4/2	n 2018	
NR/NA		0.00%	0.1	/2014 2/2015	4/2015		2016 2/201			- 2018	61
NR/NA Total:		0.00%	- 0.1- 0.0- 2/2014 4	3M	YTD	1Y	3Y	5Y	7Y	10Y	SI
NR/NA Total: Sector (%)			- 0.1 0.0 2/2014 4	3M 0.54	ҮТD 1.80	1Y 1.80 / 3	3Y 0.95 / 2	5Y 0.57 / 4	7Y 0.41 / 4	10Y 0.32 / 6	SI 2.47
NR/NA Total: Sector (%) % Government		11.97%	- 0.1- 0.0- 2/2014 4	3M	YTD	1Y	3Y	5Y	7Y	10Y	
NR/NA Total: Sector (%) % Government % Municipal		11.97% 0.00%	- 0.1 0.0 - 2/2014 4 Fund Benchmark	3M 0.54 0.57	ҮТD 1.80 1.86	1Y 1.80 / 3 1.86 / 2	3Y 0.95 / 2 0.99 / 1	5Y 0.57 / 4 0.60 / 2	7Y 0.41 / 4 0.45 / 1	10Y 0.32 / 6 0.35 / 2	
NR/NA Total: Sector (%) % Government % Municipal % Corporate		11.97% 0.00% 0.00%	- 0.1 2/2014 4 Fund Benchmark Peer Group Median Number of Funds	3M 0.54 0.57 0.47	YTD 1.80 1.86 1.47	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361	2.47
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitized		11.97% 0.00% 0.00% 0.00%	- 0.1 2/2014 4 Fund Benchmark Peer Group Median Number of Funds CALENDAR	3M 0.54 0.57 0.47 2018	YTD 1.80 1.86 1.47 2017	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2013 2013	7Y 0.41/4 0.45/1 0.28/50 410 2012	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011	2.47 2010
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitzed % Securitzed % Securitzed		11.97% 0.00% 0.00% 88.03%	- 0.1 - 2/2014 4 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund	3M 0.54 0.57 0.47 2018 1.80	YTD 1.80 1.86 1.47 2017 0.79	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2013 0.01 0.01	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02	2.47 2010 0.01
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative		11.97% 0.00% 0.00% 0.00%	- 0.1 2/2014 4 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark	3M 0.54 0.57 0.47 2018 1.80 1.86	YTD 1.80 1.86 1.47 2017 0.79 0.84	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative		11.97% 0.00% 0.00% 88.03% 0.00%	- 0.1 - 2/2014 4 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund	3M 0.54 0.57 0.47 2018 1.80	YTD 1.80 1.86 1.47 2017 0.79	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2013 0.01 0.01	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02	2.47 2010 0.01
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative		11.97% 0.00% 0.00% 88.03% 0.00%	- 0.1 2/2014 4 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47	YTD 1.80 1.86 1.47 2017 0.79 0.84	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative Total:		11.97% 0.00% 0.00% 88.03% 0.00%	- 0.1 2/2014 4 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS	YTD 1.80 1.86 1.47 2017 0.79 0.84	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative Total:	(Returns-based)	11.97% 0.00% 0.00% 88.03% 0.00%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B	YTD 1.80 1.86 1.47 2017 0.79 0.84 0.46 enchmark	1Y 1.80/3 1.86/2 1.47/50 533 2016 0.25 0.27 0.03 Peer Group Median	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative Total: ASSET LOADINGS (FUND EX	(Returns-based) (POSURES (W EIGHT) (Jar	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	- 0.1 2/2014 4 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS	YTD 1.80 1.86 1.47 0.79 0.84 0.46	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Cash and (% Cash and (,	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04	YTD 1.80 1.86 1.47 2017 0.79 0.84 0.46 enchmark 0.00	1Y 1.80/3 1.86/2 1.47/50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Fotal: Sector (%) % Government % Municipal % Corporate % Corporate % Cocunitized % Cash and Equivalent % Derivative Fotal: ASSET LOADINGS (FUND EX 100- 75-	,	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 1.00	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
IRINA Total: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Cash and (Cash and (Ca	,	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 1.00 100.00	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Derivative Total: FUND EX 50-	(POSURES (W EIGHT) (Jar	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43 -0.36	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 1.00 100.00 -0.13	1Y 1.80/3 1.86/2 1.47/50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13 -1.99	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Fotal: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative Fotal: Total: 100 75- 50- 25- 0- -	Current Fund Bmk I	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43 -0.36 95.61 NA	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 1.00 100.00 -0.13 100.00	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13 -1.99 64.85 NA Peer Group	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Corporate % Corporate % Cash and Equivalent % Derivative Total: FUND Ex 100- 75- 50- 25- 0 Cash	Current Fund Bmk 1 100.0 100.0 1	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43 -0.36 95.61 NA Fund I	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 1.00 100.00 -0.13 100.00 NA Benchmark	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13 -1.99 64.85 NA Peer Group Median	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Cash and Equivalent % Derivative Total: ASSET LOADINGS (100 FUND Ex 100 75- 50- 25- 0 Cash Credit Bond	Current Fund Bmk I 100.0 100.0 1 0.0 0.0	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43 -0.36 95.61 NA Fund I -0.03	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 100.00 -0.13 100.00 NA Benchmark 0.00	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13 -1.99 64.85 NA Peer Group Median -0.21	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Securitized % Cash and Equivalent % Derivative Total: ASSET LOADINGS (Current Fund Bmk I 0.0 0.0 0.0 0.0	11.97% 0.00% 0.00% 88.03% 0.00% 100.00% 100.00% Note: 100.00% 100.0	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43 -0.36 95.61 NA Fund I -0.03 0.99	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 100.00 -0.13 100.00 NA Benchmark 0.00 1.00	1Y 1.80/3 1.86/2 1.47/50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13 -1.99 64.85 NA Peer Group Median -0.21 1.03	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Cash and Equivalent % Derivative Total: ASSET LOADINGS 0 FUND Ex 100 FUND Ex 100 Cash Credit Bond	Current Fund Bmk I 100.0 100.0 1 0.0 0.0	11.97% 0.00% 0.00% 88.03% 0.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta R-Squared 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43 -0.36 95.61 NA Fund I -0.03 0.99 94.40	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 1.00 100.00 -0.13 100.00 NA Benchmark 0.00 1.00 100.00	1Y 1.80 / 3 1.86 / 2 1.47 / 50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13 -1.99 64.85 NA Peer Group Median -0.21 1.03 32.07	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13
NR/NA Total: Sector (%) % Government % Municipal % Corporate % Corporate % Cash and Equivalent % Derivative Total: ASSET LOADINGS (FUND Ex 75- 60- 25- 0 Cash Credit Bond Govt Bond H Corp Bond	Current Fund Bmk I 100.0 100.0 1 0.0 0.0 0.0 0.0 0.0 0.0	11.97% 0.00% 0.00% 88.03% 0.00% 100.00% 100.00%	 0.1 2/2014 Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta 	3M 0.54 0.57 0.47 2018 1.80 1.86 1.47 E STATISTICS Fund B -0.04 0.99 95.43 -0.36 95.61 NA Fund I -0.03 0.99	YTD 1.80 1.86 1.47 0.79 0.84 0.46 enchmark 0.00 100.00 -0.13 100.00 NA Benchmark 0.00 1.00	1Y 1.80/3 1.86/2 1.47/50 533 2016 0.25 0.27 0.03 Peer Group Median -0.35 0.93 60.13 -1.99 64.85 NA Peer Group Median -0.21 1.03	3Y 0.95 / 2 0.99 / 1 0.64 / 50 460 2015 0.02 0.03 0.01	5Y 0.57 / 4 0.60 / 2 0.39 / 50 424 2014 2013 0.01 0.01 0.03 0.05	7Y 0.41 / 4 0.45 / 1 0.28 / 50 410 2012 0.02 0.07	10Y 0.32 / 6 0.35 / 2 0.21 / 50 361 2011 0.02 0.08	2.47 2010 0.01 0.13

EMPOWER RETIREMENT

12/31/2018

Federate	ed US Govt 2-5	Yr	Instl FIGT>	<								12/3	1/2018
Fund Incep Date: 02/18/1983	Benchmark: BofAML US Treasuries 3-5 Yr TR	USD	Category: Short Government		et Assets: 254.00M	-	er Name: ew Kirschler	Mana 07/05	ger Star /2013	Date:	Expe	ense Ratio: 0.59%	Expense Rank: 32
PORTFOLIO COMP	OSITION (Holdings-based)		INVESTMENT OVER	/IEW									
Assets			The investment seeks	current inc	ome. The fun	d buys and se	lls portfolio secur	rities based prin	narily on	he Adviser's i	market outloo	ok and analysis	of how securities
	US Stocks US Bonds 9 Non-US Stocks	8.91% 0.00% 1.09% 0.00%	may perform under diff to manage duration and U.S. government.										
		0.00% 0.00%	PERFORMANCE										
		0.00% 0.00%				3 Year R	olling Performa	ance (Jan 14-D	ec 18)				
Credit Quality (%) AAA A BBB BB BB Below B NR/NA Total:		0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	2 1 0 -1 2/2014	4/2014	2/2015	4/2015	2/2016	V2016 2/2/	017	42017	2/2018	 25th to I Median 75th to S Federat Govt 2-5 	to 75th Percentile 95th Percentile ed US 5 Yr Instl .US Treasuries
					3M	YTD	1Y	3Y		5Y	7Y	10Y	SI
0 (0/)			Fund		2.02	0.94	0.94 / 65	0.67 / 62	0	.60 / 65	0.33 / 72	1.13 / 55	5.49
Sector (%) % Government	0 /	1.00%	Benchmark		2.38	1.47	1.47 / 12	1.25 / 3		1.50 / 3	1.16 / 6	1.92 / 18	
% Government % Municipal		4.00% 0.00%	Peer Group Median		1.08	1.13	1.13 / 50	0.79 / 50	0	.72 / 50	0.56 / 50	1.19 / 50	
% Corporate		0.00%	Number of Funds				106	106		104	102	92	
% Securitized		7.10%	CALENDAR		2018	2017	2016	2015	2014	2013	2012	2011	2010
% Cash and Equivalen		3.90%	Fund		0.94	0.28	0.80	0.13	0.83	-1.84	1.16		4.26
% Derivative		0.00%	Benchmark		1.47	0.95	1.34	1.59	2.14	-0.91	1.58		5.70
Total:	100	0.00%	Peer Group Median		1.13	0.47	0.62	0.24	0.78	-0.64	1.04		2.81
			RISK & PERFORMAN	NCE STAT	ISTICS			NOTES					
ASSET LOADINGS	(Returns-based)		3 Yr	Fund	Be	nchmark	Peer Group Median						
	YPOSUPES (WEIGHT) (Jan 16-Dec 18)		Alpha	-0.54		0.00	-0.31						
FINDE	VPDSUPES (WEIGHT) (Jap 16-Dec 18)		Poto	0.04		1 00	0.27						





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Fund Incep Date: 02/01/2001	Benchmark: BBgBarc US Aggregate	Bond Index	Category: Intermediate-term Bond	Net Assets: NA	Manage Team M	er Name: lanaged	Manag 02/01/2	ger Start Date: 2001	Expen	se Ratio: 0.04%	Expense Ran
	EEgEaro CO Aggregato				i cum i	lanagea	02/01/1			0.0470	
ORTFOLIO COMPO	OSITION (Holdings-based)	INVESTMENT OVERVIE	w							
ssets			The Fund is an "index fun		ment results that	at correspond gen	erally to the pric	e and yield perform	ance, before fee	s and expense	es, of the
	Cash US Stocks US Bonds Non-US Stocks	0.00% 0.00% 0.00% 0.00%	Barclays U.S. Aggregate	Sona maex.							
	Preferred Stocks Convertible Bonds	0.00% 0.00%	PERFORMANCE								
	Other Non-US Bonds	0.00% 0.00%	7		3 Year R	olling Performa	nce (Jan 14-De	ec 18)			
										🔲 5th to 25th F	Percentile
			6-							25th to Med	ian
			5-							Median to 7	
edit Quality (%)			5							75th to 95th	Percentile
AA			4-							BlackBock I	JS Debt Index-W
A										 BBgBarc U 	
				\sim			\sim	\sim		Aggregate	
B			2-					\sim			
									\sim		
low B			1-								
R/NA			0								
tal:		0.00%									
			-1 -1 2/2014 4/2	2014 2/2015	4/2015	2/2016 4/20	016 2/2017	4/2017	2/2018 4/20	018	
			Fund	3M 1.62	YTD 0.04	1Y 0.04 / 24	3Y 1.85 / 66	5Y 2.44 / 41	7Y 2.05 / 70	10Y 3.45 / 82	SI 5.16
ector (%)			- Benchmark	1.64	0.04	0.04 / 24	2.06 / 53	2.52 / 35	2.10 / 67	3.48 / 82	5.10
Government			Peer Group Median	0.97	-0.58	-0.58 / 50	2.09 / 50	2.30 / 50	2.38 / 50	4.46 / 50	
Municipal			Number of Funds			1045	966	916	883	807	
Comorate										001	
				2049	2017		2045	2014 2012	2012		2010
Securitized			CALENDAR	2018	2017	2016		2014 2013		2011	2010
Securitized Cash and Equivalent	:		CALENDAR Fund	0.04	2.83	2016 2.72	0.56	6.19 -1.99	9 4.24	2011 7.82	6.67
Securitized Cash and Equivalent Derivative		0.00%	CALENDAR			2016			4.24 4.22	2011	
Securitized Cash and Equivalent Derivative	:	0.00%	CALENDAR Fund Benchmark	0.04 0.01 -0.58	2.83 3.54	2016 2.72 2.65	0.56 0.55	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Corporate Securitized Cash and Equivalent Derivative tal:		0.00%	CALENDAR Fund Benchmark Peer Group Median	0.04 0.01 -0.58 E STATISTICS	2.83 3.54	2016 2.72 2.65 3.00 Peer Group	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative tal:		0.00%	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC	0.04 0.01 -0.58 E STATISTICS	2.83 3.54 3.77	2016 2.72 2.65 3.00	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative tal: SSET LOADINGS			CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr	0.04 0.01 -0.58 E STATISTICS Fund B	2.83 3.54 3.77 enchmark	2016 2.72 2.65 3.00 Peer Group Median	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative ial: SSET LOADINGS FUND E	(Returns-based)		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared	0.04 0.01 -0.58 E STATISTICS Fund B -0.18 0.98 97.44	2.83 3.54 3.77 enchmark 0.00 1.00 100.00	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative al: SEET LOADINGS FUND E: 5-0-	(Returns-based)		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio	0.04 0.01 -0.58 E STATISTICS Fund B -0.18 0.98 97.44 0.30	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative all: SSET LOADINGS FUND EI	(Returns-based)		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture	0.04 0.01 -0.58 E STATISTICS Fund B -0.18 0.98 97.44 0.30 95.53	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37 100.00	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41 93.73	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative tal: SSET LOADINGS FUND E 75- 00-	(Returns-based) KPOSURES (W EIGHT) (Jan 16	-Dec 18)	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio	0.04 0.01 -0.58 E STATISTICS Fund B -0.18 0.98 97.44 0.30	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative all: SSET LOADINGS FUND EI	(Returns-based) KPOSURES (W EIGHT) (Jan 16	-Dec 18) Average	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture	0.04 0.01 -0.58 E STATISTICS Fund B -0.18 0.98 97.44 0.30 95.53 99.53	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37 100.00	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41 93.73 87.08 Peer Group	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative Ial: SSET LOADINGS FUND E 5- 0- 5- 0- 0- Cash	(Returns-based) KPOSURES (W EIGHT) (Jan 16 Current Fund Bmk Fun 0.7 0.4 2	-Dec 18) Average d <u>Bmk</u> .5 0.4	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr	0.04 0.01 -0.58 E STATISTICS Fund B -0.18 0.98 97.44 0.30 95.53 99.53 Fund 1	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37 100.00 100.00 Benchmark	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41 93.73 87.08 Peer Group Median	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative tal: SSET LOADINGS FUND E 75- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 0- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25	(Returns-based) KPOSURES (W EIGHT) (Jan 16 Current Fund Bmk Fun 0.7 0.4 2 27.9 30.5 28	-Dec 18) Average dd <u>Bmk</u> .5 0.4 .9 30.4	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha	0.04 0.01 -0.58 E STATISTICS Fund B 0.98 97.44 0.30 95.53 99.53 Fund I -0.05	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37 100.00 100.00 Benchmark 0.00	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41 93.73 87.08 Peer Group Median -0.03	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative Ial: SSET LOADINGS FUND EI 5- 0- 5- 0- 5- 0- Cash Credit Bond Govt Bond	(Returns-based) KPOSURES (W EIGHT) (Jan 16 Current Fund Bmk Fun 0.7 0.4 2 27.9 30.5 28 21.5 40.7 30	-Dec 18) Average d <u>Bmk</u> .5 0.4 .9 30.4 .1 40.8	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta	0.04 0.01 -0.58 E STATISTICS Fund B 0.98 97.44 0.30 95.53 99.53 Fund 1 -0.05 0.99	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37 100.00 100.00 Benchmark 0.00 1.00	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41 93.73 87.08 Peer Group Median -0.03 0.90	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative tral: SSET LOADINGS FUND E 75- 50- 25- 25- 0- 25- 25- 25- 25- 25- 25- 25- 25- 25- 25	(Returns-based) KPOSURES (W EIGHT) (Jan 16 Current Fund Bmk Fun 0.7 0.4 2 27.9 30.5 28	Average dd Bmk .5 0.4 .9 30.4 .1 40.8 .3 0.2	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta R-Squared	0.04 0.01 -0.58 E STATISTICS Fund B -0.18 0.98 97.44 0.30 95.53 99.53 Fund D -0.05 0.99 98.31	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37 100.00 100.00 Benchmark 0.00 1.00 100.00	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41 93.73 87.08 Peer Group Median -0.03 0.90 89.56	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54
Securitized Cash and Equivalent Derivative SSET LOADINGS 0 FUND E 0 75- 0 Cash Credit Bond Govt Bond HC Corp Bond	(Returns-based) KPOSURES (W EIGHT) (Jan 16 Fund Bmk Fun 0.7 0.4 22 27.9 30.5 228 21.5 40.7 30 0.0 0.1 1 48.4 28.0 33 1.5 0.4 3	Average dd Bmk .5 0.4 .9 30.4 .1 40.8 .3 0.2	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMANC 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta	0.04 0.01 -0.58 E STATISTICS Fund B 0.98 97.44 0.30 95.53 99.53 Fund 1 -0.05 0.99	2.83 3.54 3.77 enchmark 0.00 1.00 100.00 0.37 100.00 100.00 Benchmark 0.00 1.00	2016 2.72 2.65 3.00 Peer Group Median 0.16 0.89 89.85 0.41 93.73 87.08 Peer Group Median -0.03 0.90	0.56 0.55 -0.03	6.19 -1.99 5.97 -2.02	4.24 4.22	2011 7.82 7.84	6.67 6.54



EMPOWER

12/31/201	8

2/12/2001	Benchmark: BBgBarc US Credit A+ Lor	ng TR USD	Category: Corporate Bond	Net Assets: \$16,218.00M	Manage Scott I. S		05/28/	jer Start Date : 2014	Expens	0.12%	Expense Rar		
	OSITION (Holdings-based)		INVESTMENT OVERVIE	W									
ssets	,						TT 6 11		(1) 1 (1)				
	Cash US Stocks US Bonds Non-US Stocks Preferred Stocks Convertible Bonds	2.09% 0.00% 88.69% 0.00% 0.00% 0.09%	medium-quality fixed incor are those rated the equiva	The investment seeks to provide a high and sustainable level of current income. The fund invests in a variety of high-quality and, to a lesser extent, medium-quality fixed income securities, at least 80% of which will be intermediate- and long-term investment-grade securities. High-quality fixed income securities are those rated the equivalent of Ba1, Ba2, or Ba3. The fund's dollar-weighted average maturity is expected to fall within a range that is five years shorter than or five years longer than that of its benchmark index. PERFORMANCE									
	Other Non-US Bonds	0.48% 8.65%			3 Year R	olling Performa	ince (Jan 14-De	ec 18)					
			12			\wedge				 5th to 25th 25th to M Median to 75th to 95 	edian o 75th Percentile		
redit Quality (%)			8-										
AA		11.06%		XXX			1			Vanguaro	Long-Term		
A		30.30%		•••			6	$\sim \wedge$		Investmer	nt-Grade Adm		
		50.40%			A		\checkmark	\sim		 BBgBarc 			
BB		6.25%				∛			\sim	A+ Long	TR USD		
В		0.02% 0.00%	4-		2					/			
elow B		0.00%											
R/NA		1.97%	2-		\sim			~					
otal:		100.00%											
			<u></u>							-			
			2/2014 4/2	2014 2/2015	4/2015	2/2016 4	/2016 2/20	17 4/2017	2/2018 4	2018			
				3M	YTD	1Y	3Y	5Y	7Y	10Y	SI		
ector (%)			Fund	-0.02	-5.86	-5.86 / 94	4.41 / 10	5.68 / 1	4.80 / 4	6.99 / 22	6.69		
Government		8.11%	Benchmark	-0.40	-6.32	-6.32 / 95	4.06 / 18	5.31 / 2	4.28 / 16	6.71/36			
Municipal		10.51%	Peer Group Median	-0.54	-2.79	-2.79 / 50	3.24 / 50	3.12 / 50	3.56 / 50	6.16 / 50			
Corporate		78.08%	Number of Funds			254	217	197	159	131			
Securitized		1.20%	CALENDAR	2018	2017	2016	2015	2014 2	013 2012	2011	2010		
Cash and Equivalen	nt	2.10%	Fund	-5.86	12.04	7.92	-2.11	-	5.77 11.77	17.30	10.84		
Derivative		0.00%	Benchmark	-6.32	11.49	7.88	-1.95		5.79 11.10	18.42	10.0		
tal:		100.00%	Peer Group Median	-2.79	6.06	6.44	-0.96		0.91 10.72	6.53	9.8		
			RISK & PERFORMANCE	E STATISTICS			NOTES						
						Beer Crown							

ASSET LOADINGS (Returns-based)							
	FUND EXPOSURES (W EIGHT) (Jan 16-Dec 18)						
100-			. ,		- 7		
75							
50-							
25-							
0-							
	Current Average						
		Cu	rrent	Ave	rage		
		Cu Fund	rrent Bmk	Ave Fund	rage Bmk		
	Cash				•		
 	Cash Credit Bond	Fund	Bmk	Fund	Bmk		
 		Fund 0.0	Bmk 0.0	Fund 0.0	Bmk 0.0		
 	Credit Bond	Fund 0.0 100.0	Bmk 0.0 100.0	Fund 0.0 100.0	Bmk 0.0 100.0		
 	Credit Bond Govt Bond	Fund 0.0 100.0 0.0	Bmk 0.0 100.0 0.0	Fund 0.0 100.0 0.0	Bmk 0.0 100.0 0.0		
 	Credit Bond Govt Bond HY Corp Bond	Fund 0.0 100.0 0.0 0.0	Bmk 0.0 100.0 0.0 0.0	Fund 0.0 100.0 0.0 0.0	Bmk 0.0 100.0 0.0 0.0		
	Credit Bond Govt Bond HY Corp Bond MBS	Fund 0.0 100.0 0.0 0.0 0.0	Bmk 0.0 100.0 0.0 0.0 0.0	Fund 0.0 100.0 0.0 0.0 0.0	Bmk 0.0 100.0 0.0 0.0 0.0		

3 Yr	Fund	Benchmark	Peer Group Median
Alpha	0.28	0.00	0.63
Beta	1.02	1.00	0.50
R-Squared	98.97	100.00	84.10
Sharpe Ratio	0.51	0.47	0.59
Up Market Capture	100.87	100.00	50.58
Down Market Capture	96.85	100.00	38.57
5 Yr	Fund	Benchmark	Peer Group Median
Alpha	0.23	0.00	0.26
Beta	1.03	1.00	0.47
R-Squared	98.97	100.00	80.56
Sharpe Ratio	0.71	0.68	0.69
Up Market Capture	103.88	100.00	46.54



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05/14/2001	Benchmark: S&P 500 Index		Catego Allocat	ory : ion50% to 70% Ec	Net Assets quity \$96,215.00	-	er Name : I P. Bousa		ager Start Date: /2002	Expen	nse Ratio: 0.17%	Expense Rank
PORTFOLIO COMPO	OSITION (Holdings-	based)	INV	ESTMENT OVER	/IEW							
Assets			The	investment seeks t	to provide long-term	capital appreciati	ion and moderate	current income	e. The fund invests 6	0% to 70% of its	assets in divid	dend-paving and
	Cash US Stocks US Bonds Non-US Stocks	5 2 1	to a 4.22% fixe 53.02% with 24.49% 12.12%	l lesser extent, non- d income securities	dividend-paying con	mon stocks of es	stablished large co e a moderate leve	ompanies. The I of current inc	remaining 30% to 40 ome. These securitie)% of the fund's a	assets are inv	ested mainly in
	Preferred Stocks		0.00% PE	RFORMANCE								
	Convertible Bonds Other		0.07% PER									
	Non-US Bonds		6.08% 25-			3 Year R	olling Performa	nce (Jan 14-D	Dec 18)			
ector Breakdown			20-	٨							🔲 5th to 25th P	
Sensitive				Λ	~						25th to Medi	
Communication Service	es	6.	.95% 20-	/ *							Median to 7	
Industrials			.42%	J	5/5					^	75th to 95th	Percentile
Technology		15.	.68% 15-		~	\frown				()	-) ()) .	(alliantes Adasi -
Energy		9.	.33%	\sim /		$\langle \rangle$			Λ		Vanguard W S&P 500 Ind	/ellington Admiral
Cyclical						۲ ۱ ۳	\sim			/ h	S&P 500 Inc	lex
Basic Materials		2	2.79% 10-			\sim	\sim	\sim	\sim			
Consumer Cyclical			5.57%			V	\sim			· ·		
Real Estate			1.15%					\sim				
Financial Services		22	2.84% 5-		-							
Defensive												
Consumer Defensive			.91% ₀									
Healthcare			.93%	2/2014	4/2014 2/2015	4/2015	2/2016 4/20	016 2/201	7 4/2017	2/2018 4/20	18	
Utilities		4.	.41%		3M	YTD	1Y	3Y	5Y	7Y	10Y	SI
					21/1			-	-		-	-
TOP 10 HOLDINGS			Fun	d	6.75	2.25				0.02/6	0.06/11	7 1 7
		2	2.90% Fun		-6.75	-3.35	-3.35 / 14	7.23/4	6.29 / 4	9.02/6	9.96 / 11	7.17
Microsoft Corp			2.90% Ber	nchmark	-13.52	-4.38	-4.38 / 29	9.26 / 1	8.49 / 1	12.70 / 1	13.12 / 1	7.17
TOP 10 HOLDINGS Microsoft Corp JPMorgan Chase & Co Verizon Communication		2	2.90% Ber 2.28% Pee	nchmark er Group Median			-4.38 / 29 -5.66 / 50	9.26 / 1 4.78 / 50	8.49 / 1 3.85 / 50	12.70 / 1 6.78 / 50	13.12 / 1 8.36 / 50	7.17
Microsoft Corp JPMorgan Chase & Co	ins Inc	2 2 2	2.90% Ber 2.28% Pee 2.15% Nur 2.11% Nur	nchmark	-13.52	-4.38	-4.38 / 29	9.26 / 1	8.49 / 1	12.70 / 1	13.12 / 1	7.17
Microsoft Corp JPMorgan Chase & Co Verizon Communication	ins Inc	2 2 2 1	2.90% Ber 2.28% Pee 2.15% Nun 2.11%	nchmark er Group Median	-13.52	-4.38	-4.38 / 29 -5.66 / 50	9.26 / 1 4.78 / 50	8.49 / 1 3.85 / 50	12.70 / 1 6.78 / 50 636	13.12 / 1 8.36 / 50	7.17 2010
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp	ns Inc ration	2 2 2 1 1	2.90% Ber 2.28% Pee 2.15% Nun 2.11% I.80% <u>CAI</u> 1.72% Fun	nchmark er Group Median nber of Funds LENDAR	-13.52 -8.45	-4.38 -5.66	-4.38 / 29 -5.66 / 50 786	9.26 / 1 4.78 / 50 757	8.49 / 1 3.85 / 50 704	12.70 / 1 6.78 / 50 636 2012	13.12 / 1 8.36 / 50 568	
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Co	ins Inc iration ompany	2 2 1 1 1	2.90% Ber 2.28% Pee 2.15% Nur 2.11% 1.80% <u>CAI</u> 1.72% Fun 1.41% Ber	nchmark er Group Median mber of Funds LENDAR nd nchmark	-13.52 -8.45 2018	-4.38 -5.66 2017	-4.38 / 29 -5.66 / 50 786 2016	9.26 / 1 4.78 / 50 757 2015	8.49 / 1 3.85 / 50 704 2014 2013	12.70 / 1 6.78 / 50 636 2012 6 12.67	13.12 / 1 8.36 / 50 568 2011	2010
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Co United States Treasury	ins Inc iration ompany	2 2 2 1 1 1 1 1	2.90% Ber 2.28% Pee 2.15% Nur 2.11% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee	nchmark er Group Median nber of Funds LENDAR	-13.52 -8.45 2018 -3.35	-4.38 -5.66 2017 14.82	-4.38 / 29 -5.66 / 50 786 2016 11.09	9.26 / 1 4.78 / 50 757 2015 0.14	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.70	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95	2010 11.04
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Brisdol-Myers Squibb Cc United States Treasury Comcast Corp Class A	ins Inc iration ompany	2 2 1 1 1 1 1 1	2.90% Ber 2.28% Pee 2.15% Nur 2.11% Nur 1.80% CAI 1.80% CAI 1.41% Ber 1.41% Pee 1.40%	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median	-13.52 -8.45 2018 -3.35 -4.38 -5.66	-4.38 -5.66 2017 14.82 21.83	-4.38 / 29 -5.66 / 50 786 2016 11.09 11.96	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Venzon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd	ins Inc iration ompany	2 2 2 1 1 1 1 1 1 1 1 1	2.90% Ber 2.28% Pee 2.15% Nur 2.11% Nur 1.80% CAI 1.72% Fun 1.41% Pee 1.41% Pee 1.41% Per 1.41% Per	nchmark er Group Median mber of Funds LENDAR nd nchmark	-13.52 -8.45 2018 -3.35 -4.38 -5.66	-4.38 -5.66 2017 14.82 21.83	-4.38 / 29 -5.66 / 50 786 2016 11.09 11.96	9.26 / 1 4.78 / 50 757 2015 0.14 1.38	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Venzon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd	ns Inc iration ompany	2 2 2 1 1 1 1 1 1 1 1 1	2.90% Ber 2.28% Pee 2.15% Nur 2.11% Nur 1.80% CAI 1.80% CAI 1.41% Ber 1.41% Pee 1.40%	nchmark er Group Median mber of Funds LENDAR Id Ichmark er Group Median SK & PERFORMAN	-13.52 -8.45 2018 -3.35 -4.38 -5.66	-4.38 -5.66 2017 14.82 21.83	-4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Venzon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd	ns Inc ration ompany Notes 2.25%	2 2 2 1 1 1 1 1 1 1 1 1	2.90% Ber 2.28% Pee 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee 1.41% Pee 8.48% RI 3.1% X	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN	-13.52 -8.45 2018 -3.35 -4.38 -5.66 VCE STATISTICS Fund	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark	-4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Venzon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS	ns Inc ration ompany Notes 2.25% (Returns-based)	2 2 2 1 1 1 1 1 1 1 1 8	2.90% Ber 2.28% Pee 2.15% Nur 2.11% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee 1.41% Pee 3.48% Rt 3.48% 3 Y	nchmark er Group Median mber of Funds LENDAR Ind Inchmark er Group Median SK & PERFORMAN 'r in	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00	-4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communicatio Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E1	ns Inc ration ompany Notes 2.25%	2 2 2 1 1 1 1 1 1 1 1 8	2.90% Ber 2.28% Pee 2.15% Pee 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Pee 1.41% Pee 1.41% Pee 1.41% RI 3.48% 3 Y Alp Bet	nchmark er Group Median hber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r sha	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00	-4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Co United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E2 75-	ns Inc ration ompany Notes 2.25% (Returns-based)	2 2 2 1 1 1 1 1 1 1 1 8	2.90% Ber 2.28% Pee 2.15% Nur 2.11% Nur 1.80% CAI 1.72% Fun 1.41% Pee 1.41% Pee 1.40% 1.41% Pee 1.40% RIS 3.48% 3 Y Alp Bet	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r iha ita Squared	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61 92.24	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E: 75- 50-	ns Inc ration ompany Notes 2.25% (Returns-based)	2 2 2 1 1 1 1 1 1 1 1 8	2.90% Ber 2.28% Pee 2.15% Pee 2.11% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee 1.40% 1.31% RIS 3.48% 3 Y Alp Bet 8.48% Sha	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r iha ta squared arpe Ratio	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61 92.24 0.89	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communicatio Bank of America Corpo Alphabet Inc A Chevron Corp Bristol-Myers Squibb Co United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E2 75-	ns Inc ration ompany Notes 2.25% (Returns-based)	2 2 2 1 1 1 1 1 1 1 1 8	2.90% Ber 2.28% Pee 2.15% Pee 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee 1.41% Pee 1.41% Pee 8.48% 3 Y Alp Bet 8.48% Sha	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r ha squared arpe Ratio Market Capture	-13.52 -8.45 2018 -3.35 -4.38 -5.66 VCE STATISTICS Fund 1.03 0.61 92.24 0.89 66.78	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77 100.00	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Venzon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E2 75- 50-	ns Inc ration ompany Notes 2.25% (Returns-based)	2 2 2 1 1 1 1 1 1 1 1 8	2.90% Ber 2.28% Pee 2.15% Pee 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee 1.41% Pee 1.41% Pee 8.48% 3 Y Alp Bet 8.48% Sha	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r iha ta squared arpe Ratio	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61 92.24 0.89	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43 65.68	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E2 100- 75- 50- 25- 0	ns Inc ration ompany Notes 2.25% (Returns-based) XPOSURES (W EIGHT) Current Fund Bmk	2 2 3 1 1 1 1 1 1 8 (Jan 16-Dec 18) Average Fund Brithman	2.90% Ber 2.28% Pee 2.15% Pee 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee 1.41% Pee 1.41% Pee 1.31% 3 Y Alp Bet Bet Bet Sha Up Dov	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r in bha ta Squared arpe Ratio Market Capture win Market Capture	-13.52 -8.45 2018 -3.35 -4.38 -5.66 VCE STATISTICS Fund 1.03 0.61 92.24 0.89 66.78	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77 100.00	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43 65.68 Peer Group	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communicatio Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND ET 75- 0- 0- Cash	ns Inc ration ompany Notes 2.25% (Returns-based) XPOSURES (W EIGHT) Current Fund Bmk 23.4 0.0	2 2 2 1 1 1 1 1 1 1 8 (Jan 16-Dec 18) 2 2 2 2 1 1 1 1 1 1 1	2.90% Ber 2.28% Pee 2.15% Pee 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Pee 1.41% Pee 1.41% Pee 1.41% Pee 1.40% 1.31% Rtt 3.48% 3 Y Bet Bet Bet Bet Dov Dov	nchmark er Group Median mber of Funds LENDAR id inchmark er Group Median SK & PERFORMAN 'r iha ta Squared arpe Ratio Market Capture win Market Capture 'r	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61 92.24 0.89 66.78 61.15 Fund	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77 100.00 100.00 100.00 Benchmark	-4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43 65.68 Peer Group Median	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Co United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E1 75- 50- 25- 0 Cash US Bonds	Ins Inc Iration ompany Notes 2.25% (Returns-based) XPOSURES (W EIGHT) Eurrent Fund Bmk 23.4 0.0 13.6 0.0	22 22 1 1 1 1 1 1 1 1 1 1 8 (Jan 16-Dec 18) 2 2 2 2 2 2 2 2 2 2 2	2.90% Ber 2.28% Pee 2.15% Pee 2.11% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Ber 1.41% Pee 1.40% 3 Y 3.48% 3 Y Bet 5 K 0.0 1.7 Alp	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r bha ta Squared arpe Ratio Market Capture wm Market Capture (r bha	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61 92.24 0.89 66.78 61.15	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77 100.00 100.00 100.00 Benchmark 0.00	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43 65.68 Peer Group	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communicatio Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND ET 75- 0- 0- Cash	ns Inc ration ompany Notes 2.25% (Returns-based) XPOSURES (W EIGHT) Current Fund Bmk 23.4 0.0	(Jan 16-Dec 18) Average Fund Bn 12.8 (2.18 0.0 (2.90% Ber 2.28% Pee 2.15% Pee 2.11% Nur 1.80% CAI 1.72% Fun 1.41% Ber 1.41% Pee 1.41%	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r iha ta gquared arpe Ratio Market Capture wn Market Capture fr oha ta	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61 92.24 0.89 66.78 61.15 Fund 0.63 0.63	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77 100.00 100.00 100.00 100.00 100.00 100.00 100.00	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43 65.68 Peer Group Median -1.60 0.61	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communication Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E2 50- 25- 0	ns Inc ration ompany Notes 2.25% (Returns-based) XPOSURES (W EIGHT) Eurrent Fund Bmk 23.4 0.0 13.6 0.0 0.0 0.4	22 22 1 1 1 1 1 1 1 1 8 (Jan 16-Dec 18)	2.90% Ber 2.28% Peg 2.15% Peg 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Peg 1.41%	nchmark er Group Median mber of Funds LENDAR id id inchmark er Group Median SK & PERFORMAN 'r is is is is is is is is is is is is is	-13.52 -8.45 2018 -3.35 -4.38 -5.66 VCE STATISTICS Fund 1.03 0.61 92.24 0.89 66.78 61.15 Fund 0.63 0.63 94.00	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 100.00 Benchmark 0.00 1.00 1.00 1.00 1.00	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43 65.68 Peer Group Median -1.60 0.61 90.01	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06
Microsoft Corp JPMorgan Chase & Co Verizon Communicatio Bank of America Corpor Alphabet Inc A Chevron Corp Bristol-Myers Squibb Cc United States Treasury Comcast Corp Class A Chubb Ltd Total: ASSET LOADINGS FUND E 75- 50- 0 Cash Cash US Bonds Intl Bonds Intl Equity	ns Inc ration ompany Notes 2.25% (Returns-based) XPOSURES (W EIGHT) Eurrent Fund Bmk 23.4 0.0 13.6 0.0 0.0 0.4 15.0 4.5	22 22 1 1 1 1 1 1 1 1 8 (Jan 16-Dec 18)	2.90% Ber 2.28% Pee 2.15% Pee 2.15% Nur 1.80% CAI 1.72% Fun 1.41% Pee 1.41%	nchmark er Group Median mber of Funds LENDAR id nchmark er Group Median SK & PERFORMAN 'r iha ta gquared arpe Ratio Market Capture wn Market Capture fr oha ta	-13.52 -8.45 2018 -3.35 -4.38 -5.66 NCE STATISTICS Fund 1.03 0.61 92.24 0.89 66.78 61.15 Fund 0.63 0.63	-4.38 -5.66 2017 14.82 21.83 13.86 Benchmark 0.00 1.00 100.00 0.77 100.00 100.00 100.00 100.00 100.00 100.00 100.00	4.38 / 29 -5.66 / 50 786 2016 11.09 11.96 6.76 Peer Group Median -1.25 0.61 90.39 0.56 56.43 65.68 Peer Group Median -1.60 0.61	9.26 / 1 4.78 / 50 757 2015 0.14 1.38 -1.36	8.49 / 1 3.85 / 50 704 2014 2013 9.90 19.71 13.69 32.38 6.22 17.18	12.70 / 1 6.78 / 50 636 2012 6 12.67 9 16.00	13.12 / 1 8.36 / 50 568 2011 3.95 2.11	2010 11.04 15.06

12/31/2018

Assets

Cash	0.00%
US Stocks	0.00%
US Bonds	0.00%
Non-US Stocks	0.00%
Preferred Stocks	0.00%
Convertible Bonds	0.00%
Other	0.00%
Non-US Bonds	0.00%

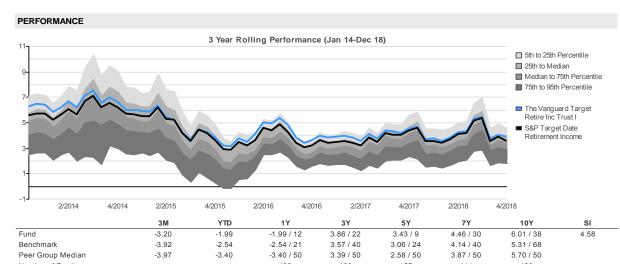
Sector Breakdown

Communication Services	0.00%
Industrials	0.00%
Technology	0.00%
Energy	0.00%
Cyclical	
Basic Materials	0.00%
Consumer Cyclical	0.00%
Real Estate	0.00%
Financial Services	0.00%
Defensive	
Consumer Defensive	0.00%
Healthcare	0.00%
Utilities	0.00%

INVESTMENT OVERVIEW

NOV A DEDEADUANCE OTAT

Simple fund of funds structure seeks to build appropriate asset allocation from preselected stock and bond portfolios.



		193	18	0	157	144	128	
2018	2017	2016	2015	2014	2013	2012	2011	2010
-1.99	8.60	5.26	-0.09	5.72	5.86	8.32	5.44	9.37
-2.54	8.54	5.01	-0.18	4.86	6.28	7.51	3.98	9.09
-3.40	8.73	5.07	-1.26	4.07	5.61	8.86	2.53	9.33
	-1.99 -2.54	-1.99 8.60 -2.54 8.54	2018 2017 2016 -1.99 8.60 5.26 -2.54 8.54 5.01	2018 2017 2016 2015 -1.99 8.60 5.26 -0.09 -2.54 8.54 5.01 -0.18	2018 2017 2016 2015 2014 -1.99 8.60 5.26 -0.09 5.72 -2.54 8.54 5.01 -0.18 4.86	2018 2017 2016 2015 2014 2013 -1.99 8.60 5.26 -0.09 5.72 5.86 -2.54 8.54 5.01 -0.18 4.86 6.28	2018 2017 2016 2015 2014 2013 2012 -1.99 8.60 5.26 -0.09 5.72 5.86 8.32 -2.54 8.54 5.01 -0.18 4.86 6.28 7.51	2018 2017 2016 2015 2014 2013 2012 2011 -1.99 8.60 5.26 -0.09 5.72 5.86 8.32 5.44 -2.54 8.54 5.01 -0.18 4.86 6.28 7.51 3.98

NOTES

Total:

ASSET LOADINGS (Returns-based)

100-	EXPOSURES	WEIGHT)	Jan 16-Dec	18)
75				
50-				
25-				
0-				
	Ci	irrent	Aver	rage
	Fund	Bmk	Fund	Bmk
	i unu			
Cash	19.6	22.1	13.1	18.6
Cash US Bonds			13.1 55.4	18.6 49.0
	19.6	22.1		
US Bonds	19.6 48.1	22.1 44.2	55.4	49.0

RISK & PERFORMAN	CE STATISTIC	3	
3 Yr	Fund	Benchmark	Peer Group Median
Alpha	0.41	0.00	-0.27
Beta	0.95	1.00	1.04
R-Squared	97.79	100.00	94.39
Sharpe Ratio	0.84	0.72	0.63
Up Market Capture	99.00	100.00	98.90
Down Market Capture	89.11	100.00	105.45
5 Yr	Fund	Benchmark	Peer Group Median
5 Yr Alpha	Fund 0.44	Benchmark 0.00	
			Median
Alpha	0.44	0.00	Median -0.59
Alpha Beta	0.44	0.00	Median -0.59 1.13
Alpha Beta R-Squared	0.44 0.96 98.33	0.00 1.00 100.00	Median -0.59 1.13 94.39

NA%



INVESTMENT OVERVIEW

Benchmark

NA%

Peer Group Median

PORTFOLIO COMPOSITION (Holdings-based)

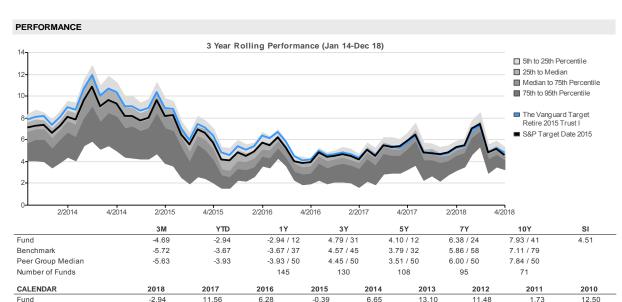
Cash	0.00%
US Stocks	0.00%
US Bonds	0.00%
Non-US Stocks	0.00%
Preferred Stocks	0.00%
Convertible Bonds	0.00%
Other	0.00%
Non-US Bonds	0.00%

Sector Breakdown

Assets

Communication Services	0.00%
Industrials	0.00%
Technology	0.00%
Energy	0.00%
Cyclical	
Basic Materials	0.00%
Consumer Cyclical	0.00%
Real Estate	0.00%
Financial Services	0.00%
Defensive	
Consumer Defensive	0.00%
Healthcare	0.00%
Utilities	0.00%

Simple fund of funds structure seeks to build appropriate asset allocation from preselected stock and bond portfolios.



-0.16

-1.14

NOTES

5.49

4.78

12.16

11.49

10.32

11.02

1.53

-0.11

6.56

6.44

11.39

11.47

Total:			

ASSET LOADINGS (Returns-based)

FUND	EXPOSURES (WEIGHT)	(Jan 16-Dec	18)
75-				
50		-	-	
25-				
0-	Cu	rrent	Ave	race
	Fund	Bmk	Fund	Bmk
Cash	11.3	13.6	6.5	9.1
US Bonds	43.3	40.5	47.1	44.3
Intl Bonds	4.2	0.0	3.3	0.3
Intl Equity	15.6	14.4	14.3	12.5
US Equity	25.5	31.6	28.8	33.9

RISK & PERFORMANCE STATISTICS							
3 Yr	Fund	Benchmark	Peer Group Median				
Alpha	0.45	0.00	-0.10				
Beta	0.93	1.00	1.04				
R-Squared	98.30	100.00	96.83				
Sharpe Ratio	0.81	0.72	0.69				
Up Market Capture	96.16	100.00	100.10				
Down Market Capture	88.01	100.00	103.12				
5 Yr	Fund	Benchmark	Peer Group Median				
5 Yr Alpha	Fund 0.43	Benchmark 0.00					
			Median				
Alpha	0.43	0.00	Median -0.44				
Alpha Beta	0.43	0.00	Median -0.44 1.06				
Alpha Beta R-Squared	0.43 0.96 98.70	0.00 1.00 100.00	Median -0.44 1.06 96.99				

-3.67

-3.93



11.85

11.51

Assets

Cash	0.00%
US Stocks	0.00%
US Bonds	0.00%
Non-US Stocks	0.00%
Preferred Stocks	0.00%
Convertible Bonds	0.00%
Other	0.00%
Non-US Bonds	0.00%

Sector Breakdown

Communication Services	0.00%
Industrials	0.00%
Technology	0.00%
Energy	0.00%
Cyclical	
Basic Materials	0.00%
Consumer Cyclical	0.00%
Real Estate	0.00%
Financial Services	0.00%
Defensive	
Consumer Defensive	0.00%
Healthcare	0.00%
Utilities	0.00%

INVESTMENT OVERVIEW

Simple fund of funds structure seeks to build appropriate asset allocation from preselected stock and bond portfolios.



Denchinark	-7.01	-5.02	-5.02/39	5.40/2	9 4	.31/1/	1.19/30	0.40/00	
Peer Group Median	-7.55	-5.40	-5.40 / 50	5.07 / 5	0 3	.78 / 50	6.83 / 50	8.59 / 50	
Number of Funds			231	209		184	152	106	
CALENDAR	2018	2017	2016	2015	2014	2013	2012	2011	2010
Fund	-5.06	16.02	7.55	-0.70	7.25	18.22	13.42	-0.33	13.87
Benchmark	-5.02	14.55	7.82	-0.25	5.56	17.03	12.51	-0.28	13.82
Peer Group Median	-5.40	15.02	6.95	-1.35	5.35	16.50	13.18	-1.99	13.40

NOTES

Total:

US Equity

ASSET LOADINGS (Returns-based)

100-	EXPOSURES ((WEIGHT)	(Jan 16-Dec	18)
75-				
50-				
25-				
0				
0-	Cu	irrent	Ave	rage
0-	Cu Fund	irrent Bmk	Av ei Fund	rage Bmk
0- Cash				
	Fund	Bmk	Fund	Bmk
Cash	Fund 0.0	Bmk 5.6	Fund 0.1	Bmk 4.1

41.4

39.5

3 Yr	Fund	Benchmark	Peer Group Median
Alpha	0.21	0.00	-0.37
Beta	1.03	1.00	1.01
R-Squared	99.03	100.00	97.60
Sharpe Ratio	0.72	0.69	0.62
Up Market Capture	104.08	100.00	97.93
Down Market Capture	101.72	100.00	102.15
5 Yr	Fund	Benchmark	Peer Group Median
5 Yr Alpha	Fund 0.35	Benchmark 0.00	
			Median
Alpha	0.35	0.00	Median -0.43
Alpha Beta	0.35	0.00	Median -0.43 1.01
Alpha Beta R-Squared	0.35 1.02 99.21	0.00 1.00 100.00	Median -0.43 1.01 97.75
Alpha Beta R-Squared Sharpe Ratio	0.35 1.02 99.21 0.61	0.00 1.00 100.00 0.56	Median -0.43 1.01 97.75 0.49

RISK & PERFORMANCE STATISTICS

FOR PLAN SPONSOR OR FINANCIAL PROFESSIONAL USE ONLY.

41.3

NA%

44.6

ed) INVESTMENT OVERVIEW

NA%

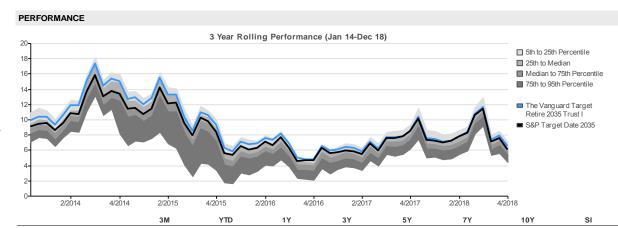
Assets	

Cash	0.00%
US Stocks	0.00%
US Bonds	0.00%
Non-US Stocks	0.00%
Preferred Stocks	0.00%
Convertible Bonds	0.00%
Other	0.00%
Non-US Bonds	0.00%

Sector Breakdown

Communication Services	0.00%
Industrials	0.00%
Technology	0.00%
Energy	0.00%
Cyclical	
Basic Materials	0.00%
Consumer Cyclical	0.00%
Real Estate	0.00%
Financial Services	0.00%
Defensive	
Consumer Defensive	0.00%
Healthcare	0.00%
Utilities	0.00%

Simple fund of funds structure seeks to build appropriate asset allocation from preselected stock and bond portfolios.



	3M	YTD	1Y	3Y		5Y	7Y	10Y	SI
Fund	-9.92	-6.52	-6.52 / 28	6.49 / 18	5	5.08 / 10	8.90 / 14	10.14 / 22	4.66
Benchmark	-10.55	-6.88	-6.88 / 41	6.08 / 37	4	.69 / 24	8.18 / 36	9.38 / 52	
Peer Group Median	-10.28	-7.27	-7.27 / 50	5.82 / 50	4	.22 / 50	7.88 / 50	9.42 / 50	
Number of Funds			226	204		179	147	101	
CALENDAR	2018	2017	2016	2015	2014	2013	2012	2011	2010
Fund	-6.52	19.22	8.35	-1.09	7.26	22.96	15.33	-2.22	15.19
Benchmark	0.00	17.78	8.85	-0.35	5.69	20.84	14.12	-1.71	15.02
Deficilitark	-6.88	17.70	0.00	-0.35	0.00	20.04	14.12	1.7 1	10.02

NOTES

Total:

ASSET LOADINGS (Returns-based)

100-	FUND EXPOSURES	(WEIGHT)	(Jan 16-Dec	18)
75 -				
50-				
25				
0-				
0	Ci	urrent	Ave	rage
	Fund	Bmk	Fund	Bmk
Cash	0.0	0.0	0.0	1.1

		Funa	втк	Funa	втк
T	Cash	0.0	0.0	0.0	1.1
1	US Bonds	16.3	21.0	17.1	21.7
1	Intl Bonds	6.3	0.0	5.8	0.7
	Intl Equity	28.7	25.0	26.6	21.1
1	US Equity	48.8	54.0	50.5	55.4

3 Yr	Fund	Benchmark	Peer Group Median
Alpha	0.37	0.00	-0.32
Beta	1.00	1.00	1.03
R-Squared	98.90	100.00	98.23
Sharpe Ratio	0.67	0.63	0.59
Up Market Capture	102.44	100.00	100.98
Down Market Capture	99.16	100.00	103.62
5 Yr	Fund	Benchmark	Peer Group Median
Alpha	0.30	0.00	-0.60
Beta	1.02	1.00	1.05
R-Squared	99.08	100.00	98.33
Sharpe Ratio	0.55	0.52	0.45
Up Market Capture	103.54	100.00	100.88
Down Market Capture	100.77	100.00	104.10

RISK & PERFORMANCE STATISTICS



Assets

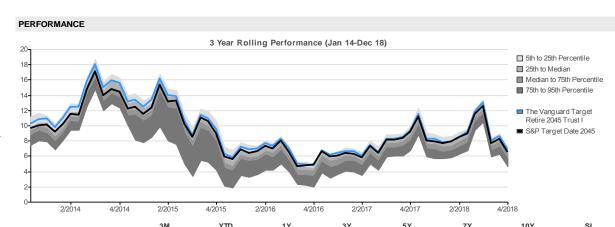
Cash	0.00%
US Stocks	0.00%
US Bonds	0.00%
Non-US Stocks	0.00%
Preferred Stocks	0.00%
Convertible Bonds	0.00%
Other	0.00%
Non-US Bonds	0.00%

Sector Breakdown

Communication Services	0.00%
Industrials	0.00%
Technology	0.00%
Energy	0.00%
Cyclical	
Basic Materials	0.00%
Consumer Cyclical	0.00%
Real Estate	0.00%
Financial Services	0.00%
Defensive	
Consumer Defensive	0.00%
Healthcare	0.00%
Utilities	0.00%

INVESTMENT OVERVIEW

Simple fund of funds structure seeks to build appropriate asset allocation from preselected stock and bond portfolios.



	3M	YTD	1Y	3Y		5Y	7Y	10Y	SI
Fund	-11.77	-7.86	-7.86 / 37	6.85 / 13		5.22 / 9	9.25 / 13	10.38 / 21	4.96
Benchmark	-11.75	-7.74	-7.74 / 34	6.51/31	4	.91/21	8.78 / 26	9.88 / 50	
Peer Group Median	-11.85	-8.26	-8.26 / 50	6.16 / 50	4	.36 / 50	8.38 / 50	9.88 / 50	
Number of Funds			226	204		179	143	100	
CALENDAR	2018	2017	2016	2015	2014	2013	2012	2011	2010
Fund	-7.86	21.52	8.94	-1.47	7.29	24.44	15.74	-2.46	15.31
Benchmark	-7.74	19.56	9.54	-0.46	5.67	23.14	15.15	-2.56	15.62
Peer Group Median	-8.26	20.68	8.18	-1.61	5.65	23.11	15.49	-4.07	14.93

NOTES

Total:

T.

Intl Bonds

Intl Equity

US Equity

ASSET LOADINGS (Returns-based)

FUND	EXPOSURES (WEIGHT)	(Jan 16-Dec	18)
100-				
50-				
25-				
20-				
0-				
	Cu	irrent	Ave	rage
	Cu Fund	irrent Bmk	Av er Fund	rage Bmk

0.0

28.1

59.2

6.7

32.9

56.7

3 Yr	Fund	Benchmark	Peer Group Median
Alpha	0.14	0.00	-0.53
Beta	1.04	1.00	1.04
R-Squared	99.14	100.00	98.49
Sharpe Ratio	0.64	0.62	0.56
Up Market Capture	104.80	100.00	100.41
Down Market Capture	103.83	100.00	105.63
		100.00	100.00
5 Yr	Fund	Benchmark	Peer Group Median
			Peer Group
5 Yr	Fund	Benchmark	Peer Group Median
5 Yr Alpha	Fund 0.16	Benchmark 0.00	Peer Group Median -0.66
5 Yr Alpha Beta	Fund 0.16 1.04	Benchmark 0.00 1.00	Peer Group Median -0.66 1.04
5 Yr Alpha Beta R-Squared	Fund 0.16 1.04 99.20	Benchmark 0.00 1.00 100.00	Peer Group Median -0.66 1.04 98.44

RISK & PERFORMANCE STATISTICS

6.4

30.2

57.2

NA%

0.7

23.6

61.0



Assets	

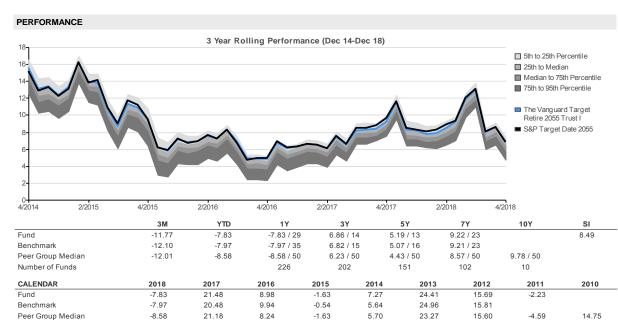
Cash US Bonds US Bonds Non-US Stocks Preferred Stocks Convertible Bonds Other	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%
Non-US Bonds	0.00%

Sector Breakdown

Communication Services	0.00%
Industrials	0.00%
Technology	0.00%
Energy	0.00%
Cyclical	
Basic Materials	0.00%
Consumer Cyclical	0.00%
Real Estate	0.00%
Financial Services	0.00%
Defensive	
Consumer Defensive	0.00%
Healthcare	0.00%
Utilities	0.00%

INVESTMENT OVERVIEW

Simple fund of funds structure seeks to build appropriate asset allocation from preselected stock and bond portfolios.



NOTES

Total:

Intl Equity

US Equity

ASSET LOADINGS (Returns-based)

FUND	EXPOSURES (WEIGHT)	(Jan 16-Dec	18)
100-				
75-				
50-				
25-				
0-	0			
0-	Cu	irrent	Ave	rage
0-	Cu Fund	irrent Bmk	Av er Fund	rage Bmk
0- Cash				
	Fund	Bmk	Fund	Bmk

33.1

56.6

29.3

60.6

RISK & PERFORMANCE STATISTICS								
3 Yr	Fund	Benchmark	Peer Group Median					
Alpha	0.07	0.00	-0.66					
Beta	0.99	1.00	1.01					
R-Squared	99.10	100.00	98.41					
Sharpe Ratio	0.64	0.63	0.56					
Up Market Capture	100.04	100.00	97.59					
Down Market Capture	99.65	100.00	103.86					
5 Yr	Fund	Benchmark	Peer Group Median					
Alpha	0.18	0.00	-0.63					
Beta	0.98	1.00	1.00					
R-Squared	99.12	100.00	98.30					
Sharpe Ratio	0.51	0.49	0.42					
Up Market Capture	98.91	100.00	96.23					
Down Market Capture	97.59	100.00	100.48					

30.4

57.1

NA%

24.7

63.9



Dhugewa	ay Large C	Jap valu	e CIT Class I							12/3	1/2018
Fund Incep Date: 12/15/2016	Benchmark : Russell 1000 Value	Index	Category : Large Value	Net Assets : NA	Manage Team M	er Name : lanaged	Manager \$ 12/15/2016	Start Date :	Expens	e Ratio : 0.55%	Expense Rank
PORTFOLIO COMPO	OSITION (Holdings-ba	ased)	INVESTMENT OVERVI	EW							
Assets		-	The Fund seeks to provi	de long-term total re	turn on capital, r	orimarily through o	apital appreciation	and, to a lesser e	extent, income.		
	Cash US Stocks US Bonds Non-US Stocks	0.00% 0.00% 0.00% 0.00%	6	-							
	Preferred Stocks Convertible Bonds	0.00%									
	Other	0.00%	0								
	Non-US Bonds	0.00%			3 Year R	olling Performa	nce (Jan 14-Dec 1	8)			
ector Breakdown										_	5th Percentile
Sensitive			25-							25th to	
Communication Service	es	0.00%		\sim							to 75th Percentile
ndustrials		0.00%	20							/5th to	95th Percentile
echnology		0.00%	20							🗖 Bridge	waylarge
Energy		0.00%	15		\bigvee						lue CIT Class I
Cyclical			15-							 Russel 	1000 Value Index
asic Materials		0.00%					\sim				
onsumer Cyclical		0.00%	10-			~~~~					
eal Estate nancial Services		0.00% 0.00%								N	
mancial Services		0.00%	5-								
Defensive			_								
consumer Defensive lealthcare		0.00% 0.00%	2/2014	4/2014 2/2015	4/2015	2/2016 4/	2016 2/2017	4/2017	2/2018 4	2018	
Itilities		0.00%	2/2014	4/2014 2/2015	4/2015	2/2016 4/	2016 2/2017	4/2017	2/2018 4	2018	
TOP 10 HOLDINGS				3M	YTD	1Y	3Y	5Y	7Y	10Y	SI
			- Fund	-14.99	-12.21	-12.21 / 86	5.51 / 75	5.91 / 35	11.68 / 9	12.23 / 12	8.46
			Benchmark	-11.72	-8.27	-8.27 / 40	6.95 / 41	5.95 / 34	11.02 / 25	11.18 / 39	
			Peer Group Median Number of Funds	-12.57	-8.89	-8.89 / 50 1268	6.57 / 50 1197	5.29 / 50 1104	10.20 / 50 1027	10.82 / 50 960	
			Number of Funds			1200	1197	1104	1027	960	
			CALENDAR	2018	2017	2016	2015 201		2012	2011	2010
			Fund	-12.21	15.64	15.69	-0.64 14.		18.05	2.33	14.50
			Benchmark	-8.27	13.66	17.34	-3.83 13.		17.51	0.39	15.51
			Peer Group Median	-8.89	16.07	14.36	-3.60 10.	94 31.63	14.92	-0.76	13.59
			RISK & PERFORMANC	CE STATISTICS			NOTES				
Total:		NA%	3 Yr	Fund	Benchmark	Peer Group Median					
ASSET LOADINGS	(Returns-based)		Alpha	-1.40	0.00	-0.32					
FUND EX	XPOSURES (WEIGHT) (J	Jan 16-Dec 18)	Beta	1.02	1.00	1.00					
100-			R-Squared	93.52	100.00	93.43					
50-			Sharpe Ratio	0.44	0.58	0.52					
25-			Up Market Capture	89.12	100.00	97.60					
0-	0	A	Down Market Capture	96.57	100.00	99.85					
	Current Fund Bmk	Average Fund Bmk	5 Yr	Fund	Benchmark	Peer Group					
	0.0 0.0	3.0 0.1				Median					
Cash		42.9 68.4	Alpha	-0.04	0.00	-0.54					
Top Value	39.8 67.8				4.00	4.00					
Top Value Top Growth	14.1 0.1	6.6 0.1	Beta	1.01	1.00	1.00					
Top Value Top Growth Mid Value	14.1 0.1 40.6 31.9	6.6 0.1 24.7 31.3	Beta R-Squared	1.01 94.00	100.00	94.06					
Top Value Top Growth	14.1 0.1	6.6 0.1	Beta	1.01							

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EMPOWER RETIREMENT 32

Fund Incep Date: 07/07/1997	Benchma S&P 500				Category: Large Blend	Net Asset \$200,004.		er Name: M. Butler		ager Start Date: 1/2000	Expens	se Ratio: 0.02%	Expense Rank
					Ū				.270				
PORTFOLIO COMPO	SITION (Ho	ldings-b	ased)		INVESTMENT OVERV	IEW							
Assets					The investment seeks t								
	Cash US Stocks US Bonds Non-US Sto Preferred S			0.58% 98.61% 0.02% 0.79%	indexing investment ap performance that is dor assets in the stocks tha	ninated by the stoc	ks of large U.S. co	ompanies. The adv	visor attempts	to replicate the ta	rget index by investir		
	Convertible			0.00% 0.00%	PERFORMANCE								
	Other			0.00%			3 Voar F	olling Performa	nce (lan 14-	Dec 18)			
	Non-US Bo	nds		0.00%	30		Jiean	coning Feriorina		Dec 10)			
ector Breakdown													25th Percentile
Sensitive					25-							25th to	n to 75th Percentile
communication Services	3			3.56%								_	95th Percentile
ndustrials				10.13%	20	\sim							Sourr er centile
echnology				21.71%		h A					4	🗖 Vancus	ard Institutional
Energy				5.51%							\wedge	Index Ir	
Cyclical					15-					Â		■ S&P 50	00 Index
asic Materials			-	2.43%				\sim					
onsumer Cyclical				11.70%	10-				\sim	\sim			
eal Estate				2.37%									
inancial Services				16.14%	5-				~ -				
Defensive												•	
Consumer Defensive				7.83%								_	
lealthcare				15.49%	2/2014	4/2014 2/201	5 4/2015	2/2016 4	/2016 2/	2017 4/2017	2/2018 4	/2018	
Jtilities				3.14%		3M	YTD	1Y	3Y	5Y	7Y	10Y	SI
TOP 10 HOLDINGS					Fund	-13.53		-4.41/22	9.24 / 1	-	12.69 / 11	13.13 / 17	6.85
Vicrosoft Corp			-	3.63%	Benchmark	-13.53		-4.41/22	9.24 / 1 9.26 / 1		12.09 / 11	13.13 / 17	0.00
Apple Inc				3.49%	Peer Group Median	-13.75		-5.97 / 50	7.94 / 5		11.54 / 50	12.09 / 50	
Amazon.com Inc				2.95%	Number of Funds	10.10	0.07	1439	1316	1229	1162	1070	
Berkshire Hathaway Inc E	3			1.77%	Number of Funds			1400	1010	1225	1102	1070	
Johnson & Johnson				1.68%	CALENDAR	2018	2017	2016	2015		013 2012	2011	2010
JPMorgan Chase & Co				1.59%	Fund	-4.41	21.82	11.95	1.39		2.37 16.00	2.12	
Facebook Inc A				1.45%	Benchmark	-4.38	21.83	11.96	1.38		2.39 16.00	2.11	15.06
Alphabet Inc Class C				1.44%	Peer Group Median	-5.97	20.97	10.65	-0.26	11.83 3	1.95 15.45	-0.16	14.14
Exxon Mobil Corp				1.44%									
Alphabet Inc A Total:				1.41% 20.85%	RISK & PERFORMAN	ICE STATISTICS			NOTES	6			
ivial.				20.03%	3 Yr	Fund	Benchmark	Peer Group					
ASSET LOADINGS (I	Returns-bas	sed)						Median					
	POSURES (W	,	Ion 16 Dec	19)	Alpha Beta	-0.02 1.00	0.00	-1.16 1.00					
100-	FUSURES (W		Jail 10-DeC	10)		1.00	1.00 100.00	1.00 94.79					
75-					R-Squared Sharpe Ratio	0.77	0.77	94.79 0.65					
50					Up Market Capture	99.93	100.00	93.91					
25-					Down Market Capture	100.03	100.00	102.09					
V.	Curr	ent	Aver	rage	Source Captale								
	Fund	Bmk	Fund	Bmk	5 Yr	Fund	Benchmark	Peer Group					
		0.0	0.4	0.4	Alpha	-0.01	0.00	Median -1.33					
Cash	0.0			39.4	AIDIA	-0.01	0.00	-1.33					
Top Value	40.4	40.4	39.4			1.00	1 00	4 00					
Top Value Top Growth	40.4 42.0	42.1	42.2	42.3	Beta	1.00	1.00	1.00					
Top Value Top Growth Mid Value	40.4 42.0 11.3	42.1 11.4	42.2 10.9	42.3 10.9	Beta R-Squared	100.00	100.00	95.04					
Top Value Top Growth	40.4 42.0	42.1	42.2	42.3	Beta								

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Versus and Institutional Index Inst DLV/IIIV

10/04/0040

Calvert US Large Cap Core Rspnb Idx R6 CSXRX

Fund Incep Date: 10/03/2017	Benchmark: S&P 500 Index	¢		Category: Large Blend	Net Ass \$1,326.0		er Name: s C. Seto	12/31	ger Start Date: /2016	Expens	se Ratio: 0.19%	Expense Ra
PORTFOLIO COMP	OSITION (Holding	ie-based)		INVESTMENT OVERV	IEW							
Assets		js-baseu)				(11		0 0				,
A33613				 The investment seeks t large-capitalization stop 								
	Cash		0.29%	index. The index is com								
	US Stocks		98.86%	Responsible Investmen								
	US Bonds		0.00%									
	Non-US Stocks		0.85%									
	Preferred Stocks Convertible Bon		0.00% 0.00%	PERFORMANCE								
	Other	43	0.00%									
	Non-US Bonds		0.00%	30-		3 Year F	Rolling Performa	nce (Jan 14-D	ec 18)			
ector Breakdown				30							5th to 25t	th Percentile
Sensitive				25-							25th to M	
Communication Servic	ces		3.37%		~							o 75th Percentil
Industrials			11.33%								/5tn to 98	5th Percentile
Technology			25.32%	20-		7						
Energy			0.33%			$\neg >$					Calvert U Cap Core	JS Large e Rspnb ldx R6
Cyclical				15-					Â		S&P 500	
Basic Materials			2.42%				$\sim \sim$					
Consumer Cyclical			13.54%	10-								
Real Estate			0.34%	-								
Financial Services			18.25%	5-								
								_	*			
Consumer Defensive			7.53%	0		,		- -			_	
Defensive Consumer Defensive Healthcare			15.34%	2/2014	4/2014 2/2	2015 4/2015	2/2016 4	2016 2/20	017 4/2017	2/2018 4	/2018	
Consumer Defensive Healthcare Jtilities				2/2014	4/2014 2/2 3M		2/2016 4. 1Y	2016 2/20 3Y	017 4/2017 5Y	2/2018 4 7Y	/2018 10Y	SI
Consumer Defensive Healthcare Jtilities TOP 10 HOLDINGS			15.34% 2.23%	2/2014		M YTD			5Y 8.28 / 12		10Y 13.76 / 7	SI 0.89
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc			15.34% 2.23% 4.46%		3M -13. -13.	M YTD 73 -4.06 52 -4.38	1Y -4.06 / 18 -4.38 / 21	3Y 8.76 / 30 9.26 / 12	5Y 8.28 / 12 8.49 / 7	7Y 13.09 / 5 12.70 / 11	10Y 13.76 / 7 13.12 / 17	
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp			15.34% 2.23% 4.46% 3.35%	Fund	3 M -13.	M YTD 73 -4.06 52 -4.38	1Y -4.06 / 18	3Y 8.76 / 30	5Y 8.28 / 12	7Y 13.09 / 5	10Y 13.76 / 7	
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A			15.34% 2.23% 4.46% 3.35% 3.09%	Fund Benchmark	3M -13. -13.	M YTD 73 -4.06 52 -4.38	1Y -4.06 / 18 -4.38 / 21	3Y 8.76 / 30 9.26 / 12	5Y 8.28 / 12 8.49 / 7	7Y 13.09 / 5 12.70 / 11	10Y 13.76 / 7 13.12 / 17	
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc			15.34% 2.23% 4.46% 3.35% 3.09% 2.80%	Fund Benchmark Peer Group Median Number of Funds	3M -13. -13. -13.	YTD 73 -4.06 52 -4.38 75 -5.97	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070	0.89
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc			15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63%	Fund Benchmark Peer Group Median Number of Funds CALENDAR	31 -13. -13. -13. -13. 2018	M YTD 73 4.06 52 4.38 75 -5.97 3 2017	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011	0.89 201 0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo			15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund	31 -13. -13. -13. -13. -2018 -4.00	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14	5Y 8.28/12 8.49/7 6.96/50 1229 2014 2013 14.41 35.04	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 17.71	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05	0.89 2010 13.7
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A			15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark	3M -13. -13. -13. -13. -13. -2018 -4.0(-4.3(YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 2010 13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc	oration		15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund	31 -13. -13. -13. -13. -2018 -4.00	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14	5Y 8.28/12 8.49/7 6.96/50 1229 2014 2013 14.41 35.04	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05	0.89 201 (13.7
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio	oration		15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median	3M -13. -13. -13. -13. -2018 -4.00 -4.38 -5.91	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive lealthcare Jtilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp	oration		15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark	3M -13. -13. -13. -13. -2018 -4.00 -4.38 -5.91	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive tealthcare Jtilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communication Intel Corp Total:	oration ons Inc		15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median	3M -13. -13. -13. -13. -2018 -4.00 -4.38 -5.91	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Jtilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total:	oration ons Inc		15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr	3M -13. -13. -13. -13. -13. -4.00 -4.33 -5.91 CE STATISTICS Fund	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S Benchmark	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Jtilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS	oration ons Inc (Returns-based)	T) (Jan 16-Dec 1	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09% 21.18%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha	3N -13. -13. -13. -13. -13. -4.0(-4.3(-5.9) CE STATISTICS Fund -0.74	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S Benchmark 0.00 0.00	1Y -4.06 / 18 4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Co Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS 100-	oration ons Inc	T) (Jan 16-Dec 1	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09% 21.18%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta	3M -13. -13. -13. -13. -2018 -4.0(-4.34 -4.0(-4.34 -5.9] CE STATISTICS Fund -0.74 1.04	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S Benchmark 0.00 1.00	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E	oration ons Inc (Returns-based)	T) (Jan 16-Dec 1	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09% 21.18%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared	3M -13. -13. -13. -2018 -4.0(-4.38 -5.9; CE STATISTICS Fund -0.74 1.04 98.65	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S	1Y -4.06/18 -4.38/21 -5.97/50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Jtilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E 50-	oration ons Inc (Returns-based)	T) (Jan 16-Dec 1	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09% 21.18%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio	3M -13. -13. -13. -13. -13. -13. -4.0(-4.3(-5.9) ICE STATISTICS Fund -0.74 1.04 98.65 0.70	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 5	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E	oration ons Inc (Returns-based)	T) (Jan 16-Dec 1	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09% 21.18%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared	3M -13. -13. -13. -2018 -4.0(-4.38 -5.9; CE STATISTICS Fund -0.74 1.04 98.65	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S	1Y -4.06/18 -4.38/21 -5.97/50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Co Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E 100 75- 50- 25-	oration ons Inc (Returns-based) EXPOSURES (W EIGH Current	Aver	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.63% 1.13% 1.11% 1.09% 21.18%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture	3M -13. -13. -13. -2018 -4.0(-4.38 -5.97 ICE STATISTICS Fund -0.74 1.04 98.65 0.70 99.70 103.86	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65 93.91 102.09	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 13.7 15.0
Consumer Defensive Healthcare Jtilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Co Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communication Intel Corp Total: ASSET LOADINGS	oration ons Inc (Returns-based) EXPOSURES (W EIGH Current Fund Bmk	Aver Fund	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.10% 21.18%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture	3M -13. -13. -13. -13. -13. -4.06 -4.38 -5.91 CE STATISTICS Fund -0.74 1.04 98.65 0.70 99.70	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 5	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65 93.91	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E 0 75- 0 0 Cash	oration ons Inc (Returns-based) EXPOSURES (W EIGH Current Fund Bmk 0.0 0.0	Aver Fund 0 0.4	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.26% 1.13% 1.26% 1.13% 1.26% 1.13% 1.11% 1.09% 21.18% 8)	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture	3M -13. -13. -13. -2018 -4.0(-4.38 -5.97 ICE STATISTICS Fund -0.74 1.04 98.65 0.70 99.70 103.86	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65 93.91 102.09 Peer Group	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E 75- 0 50- 25- 0	oration ons Inc (Returns-based) EXPOSURES (W EIGH Fund Bmk 0.0 0.0 40.1 40.3	Aver. Fund 0 0.4 4 33.8	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.11% 1.09% 21.18% 88)	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha	3M -13. -13. -13. -2018 -4.0(-4.38 -5.9: CE STATISTIC: Fund -0.74 1.04 98.65 0.70 99.70 103.86 Fund -0.41	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 S	1Y -4.06/18 -4.38/21 -5.97/50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65 93.91 102.09 Peer Group Median -1.33	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E 0 75- 0 0 Cash	oration ons Inc (Returns-based) EXPOSURES (W EIGH Current Fund Bmk 0.0 0.0	Aver Fund 0 0.4 4 33.8 1 33.1	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.26% 1.13% 1.26% 1.13% 1.26% 1.13% 1.26% 1.13% 1.26% 1.13% 1.26% 1.8%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta	3M -13. -13. -13. -2018 -4.0(-4.3(-5.9) ICE STATISTICS Fund -0.74 1.04 98.65 0.70 99.70 103.86 Fund -0.41 1.03	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 5	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65 93.91 102.09 Peer Group Median -1.33 1.00	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Co Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communication Intel Corp Total: ASSET LOADINGS FUND E 75- 50- 25- 0 Cash Cash Top Value Top Crowth	Current Fund Bmk 0.0 0.0 40.1 40.2 24.9 42.5	Aver. Fund 0 0.4 4 33.8 1 33.1 4 3.9	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.27% 1.26% 1.13% 1.26% 1.13% 1.11% 21.18% 8) 8 8 8 8 8 8 8 8 8 9.4 42.3	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta R-Squared	3M -13. -13. -13. -2018 -4.0(-4.3(-5.9) CE STATISTICS Fund -0.74 1.04 98.65 0.70 99.70 103.86 Fund -0.41 1.03 98.07	YTD 73 4.06 52 4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 5	1Y -4.06/18 -4.38/21 -5.97/50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65 93.91 102.09 Peer Group Median -1.33 1.00 95.04	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 13.7 15.0
Consumer Defensive Healthcare Utilities TOP 10 HOLDINGS Apple Inc Microsoft Corp Alphabet Inc A Amazon.com Inc JPMorgan Chase & Cc Bank of America Corpo Visa Inc Class A Pfizer Inc Verizon Communicatio Intel Corp Total: ASSET LOADINGS FUND E 0 75- 0 1 2 2 0 1 2 2 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 0 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 3 1	Current Fund Bmk 0.0 0.0 40.1 40.2 24.9 42. 0.0 11.4	Aver Fund 0 0.4 33.8 1 33.1 4 3.9 2 24.9 0 1.3	15.34% 2.23% 4.46% 3.35% 3.09% 2.80% 1.63% 1.26% 1.13% 1.26% 1.13% 1.26% 1.13% 21.18% 8) 8) 8) 8) 8) 8) 8) 8) 8) 8) 8) 8) 8)	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMAN 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta	3M -13. -13. -13. -2018 -4.0(-4.3(-5.9) ICE STATISTICS Fund -0.74 1.04 98.65 0.70 99.70 103.86 Fund -0.41 1.03	YTD 73 -4.06 52 -4.38 75 -5.97 3 2017 6 21.12 8 21.83 7 20.97 5	1Y -4.06 / 18 -4.38 / 21 -5.97 / 50 1439 2016 10.71 11.96 10.65 Peer Group Median -1.16 1.00 94.79 0.65 93.91 102.09 Peer Group Median -1.33 1.00	3Y 8.76 / 30 9.26 / 12 7.94 / 50 1316 2015 1.14 1.38 -0.26	5Y 8.28 / 12 8.49 / 7 6.96 / 50 1229 2014 2013 14.41 35.04 13.69 32.39	7Y 13.09 / 5 12.70 / 11 11.54 / 50 1162 2012 	10Y 13.76 / 7 13.12 / 17 12.09 / 50 1070 2011 0.05 2.11	0.89 201 (13.7 15.0

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EMPOWER

12/31/2018

Fund Incep Date: 01/17/2014	Benchmark: Russell 1000 Growth Index		Category: Large Growth	Net Assets NA	: Manage William	e r Name : Danoff	Manage 01/17/2	er Start Date: 014	Expen	se Ratio: 0.38%	Expense Ran
PORTFOLIO COMPO	OSITION (Holdings-based)		INVESTMENT OVER	RVIEW							
Assets			The investment seeks	s capital appreciation.	The fund normally	v invests primaril	v in common stoc	ks. It invests in sec	urities of compa	nies whose v	alue the advisor
	Cash US Stocks US Bonds Non-US Stocks	0.00% 0.00% 0.00% 0.00%	believes is not fully re fund uses fundament investments.								
	Preferred Stocks Convertible Bonds	0.00% 0.00%	PERFORMANCE								
	Other	0.00%			. X		() (= 5	(0)			
	Non-US Bonds	0.00%	25		3 Year R	olling Performa	ance (Jan 17-Dec	: 18)			
Sector Breakdown										_	th Percentile
Sensitive										25th to N	
Communication Service	s	0.00%	20-								to 75th Percentile
ndustrials		0.00%								/5th to 9	5th Percentile
Technology		0.00%	45								
Energy		0.00%	15-							 Fidelity Commin 	Contratund gled Pool CI 2
Cyclical				\sim							1000 Growth Index
Basic Materials		0.00%	10-								
Consumer Cyclical		0.00%									
Real Estate		0.00%									
Financial Services		0.00%	5-								
Defensive											
Consumer Defensive		0.00%	0								
Healthcare		0.00%	0-	2/2017		4/2017		2/2018	4/2	2018	
Jtilities		0.00%			VT		27	57	71/	401/	
TOP 10 HOLDINGS			Fund	3M -16.30	-1.89	-1.89 / 49	3Y 10.56 / 23	5Y	7Y	10Y	5I 10.13
			Benchmark	-16.30 -15.89	-1.89 -1.51	-1.51/49	10.56 / 23	10.40 / 14	14.14 / 22	15.29 / 18	10.13
			Peer Group Median	-15.89 -15.65	-1.51 -2.07	-1.51/44 -2.07/50	9.19/50	8.55 / 50	14.14 / 22	13.90 / 50	
			Number of Funds	-15.05	-2.07	-2.07750	9.19750	1321	1251	13.90750	
			Nulliber of Fullus			1441	1372	1321	1201	1130	
			CALENDAR	2018	2017	2016		2014 2013	2012	2011	2010
			Fund	-1.89	32.97	3.59	6.27				
			Benchmark	-1.51	30.21	7.08		13.05 33.48		2.64	
			Peer Group Median	-2.07	28.36	3.07	3.88	10.35 34.15	15.23	-1.81	15.61
			RISK & PERFORM	ANCE STATISTICS			NOTES				
Total:		NA%				Peer Group					
			2 V.	Eurod							
ASSET LOADINGS	(Returns-based)		3 Yr	Fund	Benchmark	Median					

100-	FUNI	DEXPOSURES	(W EIGHT) (Jan 16-D	ec 18)
75-					
75- 50-					
25-					
0-		C	urrent	Av	erage
		Fund	Bmk	Fund	Bmk
	Cash	0.0	0.1	3.3	0.1
1.1	Top Value	0.0	0.0	0.0	0.0
1	Top Growth	100.0	76.2	93.2	74.6
1	Mid Value	0.0	0.0	0.0	0.0
1.1	Mid Growth	0.0	23.6	1.6	25.3
1.1	Sm Value	0.0	0.1	0.0	0.0
1.1	Sm Growth	0.0	0.0	1.8	0.0

3 Yr	Fund	Benchmark	Peer Group Median
Alpha	-0.56	0.00	-1.63
Beta	1.01	1.00	1.00
R-Squared	94.65	100.00	91.19
Sharpe Ratio	0.77	0.84	0.68
Up Market Capture	97.55	100.00	93.53
Down Market Capture	100.41	100.00	104.66
5 Yr	Fund	Benchmark	Peer Group Median
Alpha	NA	0.00	-1.56
Beta	NA	1.00	1.00
R-Squared	NA	100.00	91.15
Sharpe Ratio	NA	0.84	0.68
Up Market Capture	NA	100.00	94.33
Down Market Capture	NA	100.00	104.76



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	ck Mid Ca	1 12 - 5									12/3	
Fund Incep Date: 06/16/1997	Benchmark : Russell Mid-Cap Inc	dex	Category : Mid-Cap Blend	Net Asset NA		r Name: itelaw, Alan Maso		nager Start Da 16/1997	ite :	Expense	e Ratio : 0.04%	Expense Ran
		-										
	SITION (Holdings-ba	ased)	INVESTMENT OVER									
Assets			The Fund is an "index index (its "Underlying I									
	Cash US Stocks US Bonds Non-US Stocks	0.00% 0.00% 0.00%		, , ,								
	Preferred Stocks Convertible Bonds Other	0.00% 0.00% 0.00%	PERFORMANCE									
	Non-US Bonds	0.00%	30 -		3 Year R	olling Performa	nce (Jan 1	4-Dec 18)				
ector Breakdown												ith Percentile
ensitive			25-								25th to Market	
Communication Service	s	0.00%									_	to 75th Percentile 95th Percentile
ndustrials		0.00%	20-	h								
echnology		0.00%	15-								BlackRo	ck Mid
nergy		0.00%										uity Index- F
yclical			- 10-			\sim	~ ~		$\overline{\mathbf{A}}$		Russell	Mid-Cap Index
asic Materials		0.00%					\sim	$\sim\sim$		- 4		
onsumer Cyclical		0.00%	5-									
eal Estate nancial Services		0.00% 0.00%	-									
		0.0078	0-					\sim				
efensive		0.000/	-									
onsumer Defensive ealthcare		0.00% 0.00%	_5 _	4/2014 2/201	5 4/2015	2/2016 4	2016	2/2017 4	2017	2/2018 4/2	2018	
tilities		0.00%	2/2014	4/2014 2/201	5 4/2015	2/2016 4	2016	2/2017 4	2017	2/2018 4/.	2018	
OP 10 HOLDINGS				3M	YTD	1Y	3Y		ŝΥ	7Y	10Y	SI
OF TO HOLDINGS			Fund	-17.25		-11.02 / 40	7.73/) / 13	11.32 / 11	13.75 / 11	10.05
			Benchmark	-15.37		-9.06 / 22	7.04 /		6 / 10	11.49 / 7	14.03 / 7	
			Peer Group Median	-16.75	-11.50	-11.50 / 50	5.02 /		9/50	9.96 / 50	12.18 / 50	
							426	6 3	92	365	335	
			Number of Funds			472	420				000	
			Number of Funds	2018	2017	472 2016	2015	2014	2013	2012	2011	2010
			CALENDAR Fund	-11.02	16.32	2016 20.79	2015 -2.07	2014 9.84	2013 33.61	17.86	2011 -1.67	26.70
			CALENDAR Fund Benchmark	-11.02 -9.06	16.32 18.52	2016 20.79 13.80	2015 -2.07 -2.44	2014 9.84 13.22	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
			CALENDAR Fund	-11.02	16.32	2016 20.79	2015 -2.07	2014 9.84	2013 33.61	17.86	2011 -1.67	26.70
			CALENDAR Fund Benchmark	-11.02 -9.06 -11.50	16.32 18.52	2016 20.79 13.80	2015 -2.07 -2.44	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
		NA%	CALENDAR Fund Benchmark Peer Group Median	-11.02 -9.06 -11.50	16.32 18.52	2016 20.79 13.80 14.71 Peer Group	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
	(Returns-based)	NA%	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr	-11.02 -9.06 -11.50 NCE STATISTICS Fund	16.32 18.52 15.67 Benchmark	2016 20.79 13.80 14.71 Peer Group Median	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
ASSET LOADINGS ((Returns-based) (POSURES (W EIGHT) (J		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA	-11.02 -9.06 -11.50 NCE STATISTICS	16.32 18.52 15.67	2016 20.79 13.80 14.71 Peer Group	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
ASSET LOADINGS (FUND EX	,		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr Alpha	-11.02 -9.06 -11.50 NCE STATISTICS Fund 0.25	16.32 18.52 15.67 Benchmark 0.00	2016 20.79 13.80 14.71 Peer Group Median -1.61	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
ASSET LOADINGS (FUND EX 100- 75-	,		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr Alpha Beta	-11.02 -9.06 -11.50 NCE STATISTICS Fund 0.25 1.09	16.32 18.52 15.67 Benchmark 0.00 1.00	2016 20.79 13.80 14.71 Peer Group Median -1.61 1.02	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
ASSET LOADINGS (FUND EX	,		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture	-11.02 -9.06 -11.50 NCE STATISTICS Fund 0.25 1.09 95.60 0.55 108.78	16.32 18.52 15.67 Benchmark 0.00 1.00 100.00 0.54 100.00	2016 20.79 13.80 14.71 Peer Group Median -1.61 1.02 93.13 0.38 90.93	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
ASSET LOADINGS (FUND EX 100- 75- 50-	(POSURES (W EIGHT) (J	Jan 16-Dec 18)	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr Alpha Beta R-Squared Sharpe Ratio	-11.02 -9.06 -11.50 NCE STATISTICS Fund 0.25 1.09 95.60 0.55	16.32 18.52 15.67 Benchmark 0.00 1.00 100.00 0.54	2016 20.79 13.80 14.71 Peer Group Median -1.61 1.02 93.13 0.38	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
ASSET LOADINGS (FUND EX 100- 75- 50-	,		CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture	-11.02 -9.06 -11.50 NCE STATISTICS Fund 0.25 1.09 95.60 0.55 108.78	16.32 18.52 15.67 Benchmark 0.00 1.00 100.00 0.54 100.00	2016 20.79 13.80 14.71 Peer Group Median -1.61 1.02 93.13 0.38 90.93 101.79 Peer Group	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
ASSET LOADINGS (100	Current Fund Bmk 0.0 0.0	lan 16-Dec 18) Av erage Fund Bmk 0.4 0.1	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr	-11.02 -9.06 -11.50 NCE STATISTICS Fund 0.25 1.09 95.60 0.55 108.78 106.69 Fund	16.32 18.52 15.67 Benchmark 0.00 1.00 100.00 0.54 100.00 100.00 Benchmark	2016 20.79 13.80 14.71 Peer Group Median -1.61 1.02 93.13 0.38 90.93 101.79 Peer Group Median	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48
100- 75- 50- 25- 0-	Current Fund Bmk	Jan 16-Dec 18) Av erage Fund Bmk	CALENDAR Fund Benchmark Peer Group Median RISK & PERFORMA 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture	-11.02 -9.06 -11.50 NCE STATISTICS Fund 0.25 1.09 95.60 0.55 108.78 106.69	16.32 18.52 15.67 Benchmark 0.00 1.00 100.00 0.54 100.00 100.00	2016 20.79 13.80 14.71 Peer Group Median -1.61 1.02 93.13 0.38 90.93 101.79 Peer Group	2015 -2.07 -2.44 -3.23	2014 9.84 13.22 9.07	2013 33.61 34.76	17.86 17.28	2011 -1.67 -1.55	26.70 25.48



5.1 FOR PLAN SPONSOR OR FINANCIAL PROFESSIONAL USE ONLY.

35.9

28.2

29.1

54.8

44.2

0.3

0.1

R-Squared

Sharpe Ratio

Up Market Capture

Down Market Capture

95.05

0.48

106.89

109.90

0.53

100.00

100.00

100.00

0.34

91.79

106.82

92.66

58.0

41.1

0.0

0.0

31.9

28.1

24.8

15.2

Mid Value

Mid Growth

Sm Value

Sm Growth

1

I. Rowe	Price Instl Mic	a-Cap	Equity G	r PM	EGX							12/3	1/2018
Fund Incep Date: 07/31/1996	Benchmark: Russell Mid-Cap Growth Index		ategory: lid-Cap Growth		et Assets: 5.354.00M		er Name : V.H. Berghuis	Mana 07/31/	ger Start Date		Expens	e Ratio: 0.61%	Expense Ran
5775171990	Russell Mild-Cap Glowin Index	IV	ild-Cap Growin	φu	,354.00101	Dildii V	v.n. Dergriuis	0//31/	1990			0.01%	
ORTFOLIO COMPO	SITION (Holdings-based)		INVESTMENT OVE	RVIEW									
ssets			The investment seek										
	Cash US Stocks US Bonds Non-US Stocks Preferred Stocks	2.46% 94.17% 0.00% 3.37% 0.00%	investment purposes average company. T within the range of ei	he advisor de	fines mid-o	cap companies	as those whose	e market capitaliza					
	Convertible Bonds	0.00%	PERFORMANCE										
	Other	0.00%				3 Year F	olling Perfor	mance (Jan 14-D	ec 18)				
	Non-US Bonds	0.00%	25			0.000.1			,				
ctor Breakdown					\sim							5th to 25th P 25th to Medi	
ensitive			20-									Median to 75	
mmunication Service	3	0.00%		· ~	<u> </u>	\sim						75th to 95th	
lustrials		22.64%	15						^		<u> </u>	750110 95011	ercentile
chnology		22.78%					~	~ ^				T. Rowe Pri	a laati
ergy		2.75%										Mid-Cap Eq	
clical			10-				\sim	$\sim \sim$					-Cap Growth Index
sic Materials		2.82%					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\sim					
nsumer Cyclical		15.44%	5										
al Estate		0.99%											
ancial Services		8.99%	0										
fensive													
nsumer Defensive		5.82%											
althcare		16.82%	-5 - 2/2014	4/2014	2/2015	4/2015	2/2016 4	/2016 2/2017	4/2017	2/201	18 4/2018		
lities		0.95%	22011							2201			
P 10 HOLDINGS					3M	YTD	1Y	3Y	5Y		7Y	10Y	SI
xtron Inc		2.42%	Fund		-13.72	-2.23	-2.23 / 2		9.90/4		14.19 / 4	16.84 / 2	11.70
leflex Inc		2.36%	Benchmark		-15.99	-4.75	-4.75/3		7.42 / 2		12.27 / 27	15.12 / 14	
e Cooper Companies	Inc	2.01%	Peer Group Median		-17.15	-5.79	-5.79/5		5.85 / 5	D	11.04 / 50	13.39 / 50	
apestry Inc		1.94%	Number of Funds				618	591	565		536	504	
icrochip Technology I	nc	1.84%	CALENDAR		2018	2017	2016	2015	2014	2013	2012	2011	2010
eysight Technologies I		1.81%	Fund		-2.23	26.02	6.94	6.94	13.79	37.89	14.50	-1.28	
arris Corp		1.77%	Benchmark		-4.75	25.27	7.33	-0.20	11.90	35.74	15.81	-1.65	
ologic Inc		1.68%	Peer Group Median		-5.79	24.67	5.56	-0.63	7.40	35.32	14.64	-4.14	
orldpay Inc Class A		1.63%	r eer oloup wedian		-0.73	24.07	5.50	-0.05	7.40	55.52	14.04	-4.14	20.04
C/InterActiveCorp		1.61%	RISK & PERFORM	ANCE STAT	POITRI			NOTES					
tal:		19.07%	RIOR & LERI ORM					NOTES					
			3 Yr	Fund	E	Benchmark	Peer Group Median						
SSET LOADINGS (Returns-based)		Alpha	1.36		0.00	-1.14						
FUND FX	POSURES (W EIGHT) (Jan 16-Dec 18)		Beta	0.94		1.00	1.02						
00-			R-Squared	94.73		100.00	91.92						
75-			Sharpe Ratio	0.71		0.62	0.52						
50-			Up Market Capture	101.16		100.00	95.85						
25-			Down Market Capture	01.10		100.00	95.65						

100.00

Benchmark

0.00

1.00

0.59

100.00

100.00

100.00

94.40

Fund

2.70

0.94

94.35

0.79

103.99

88.71

Down Market Capture

5 Yr

Alpha

Beta

R-Squared

Sharpe Ratio

Up Market Capture

Down Market Capture

101.49

Peer Group

Median

-1.37

1.01

90.39

0.45

96.64

103.98

25- 0-							
0	Ci	urrent	Average				
	Fund	Bmk	Fund	Bmk			
Cash	3.1	0.0	2.8	0.0			
Top Value	27.5	0.0	10.5	0.0			
Top Growth	0.7	0.0	3.0	0.0			
Mid Value	0.0	0.0	0.0	0.0			
Mid Growth	68.7	100.0	79.0	100.0			
Sm Value	0.0	0.0	0.0	0.0			
Sm Growth	0.0	0.0	4.8	0.0			

Fund Incep Date: 12/23/1981	Benchmark: Russell 2000 Ir	ndex	Category: Small Blen	d		Assets: 60.00M	Manage Joseph	e r Name : H. Chi		anager St 2/28/2012	art Date:	Exper	se Ratio: 0.52%	Expense Ran
PORTFOLIO COM	POSITION (Holding	ıs-based)	INVES		RVIEW									
Assets								nd, using a marke						
	Cash US Stocks US Bonds Non-US Stocks	97 0 1	.01% market .28% .00% .70%					ell futures contraction or outflows from		ions on fut	ures contracts	for U.S. equity s	ecurities and	indices, to adjus
	Preferred Stocks		.01% PERFC	RMANCE										
	Other		.00%				3 Year R	olling Performa	nce (Jan 1	4-Dec 18)				
	Non-US Bonds	0	.00% 30				o rour re	oning renorma	noc (oun i	14 000 10)			E 5th to 2	Eth Descentile
ector Breakdown			25										5th to 2	5th Percentile Median
Sensitive			25-											to 75th Percentile
Communication Servio	ces	1.5 16.9											🔲 75th to 9	95th Percentile
Technology		13.3			4	\sim								
Energy		5.4					<u>A</u>							S Micro Cap I
Cyclical						\sim \vee								2000 Index
Basic Materials		6.6	9% 10-								\sim			
onsumer Cyclical		16.3	1%					\sim	\sim	$\mathbf{z}_{\mathbf{v}}$			•	
teal Estate		1.0												
-inancial Services		22.3	4%						\sim					
Defensive								•						
Consumer Defensive Healthcare		4.3 9.6	-5-											
Jtilities		9.0		2/2014	4/2014	2/2015	4/2015	2/2016 4	2016	2/2017	4/2017	2/2018	4/2018	
TOP 10 HOLDINGS						3M	YTD	1Y	3		5Y	7Y	10Y	SI
S+p500 Emini Fut De	c18 Xcme 20181221	0.9	6% Fund			20.56	-11.60	-11.60 / 40	7.28		4.14 / 35	11.19 / 15	13.08 / 17	11.38
Sonic Corp		0.4	0% Benchr			20.20	-11.01	-11.01 / 34	7.36		4.41/28	10.44 / 30	11.97 / 39	
Shenandoah Telecon	nmunications Co	0.3	8%	oup Median	-	19.70	-12.40	-12.40 / 50 784	5.90 73		3.51 / 50 669	9.60 / 50 601	11.69 / 50	
Integer Holdings Corp		0.3	6%	of Funds				784	/3	0	669	601	556	
BioTelemetry Inc		0.3		DAR		018	2017	2016	2015	2014	2013		2011	2010
Ensign Group Inc		0.3	i ana			1.60	11.18	25.63	-3.62	2.92	45.06		-3.25	31.29
ND-40 Co JS Silica Holdings Ind	_	0.3 0.3	Bonom			1.01	14.65	21.31	-4.41	4.89	38.82		-4.18	26.85
Strategic Education Ir		0.3	1 001 01	oup Median	-1	2.40	12.86	20.64	-4.47	4.87	37.56	6 15.70	-3.01	25.76
American States Wate		0.3			ANCE STATIST	ICS			NOT	FS				
Total:		4.1						B		_0				
ASSET LOADINGS	(Returns-based)		3 Yr		Fund	Be	nchmark	Peer Group Median						
	EXPOSURES (WEIGH	T) (lan 46 Dec 49)	Alpha		0.01		0.00	-0.95						
100-	EXFOSORES (WEIGH	T) (Jail 10-Dec 10)	Beta R-Squa	red	0.99 95.95		1.00 100.00	0.93 94.87						
75-			Sharpe		0.45		0.46	0.39						
50- 25-				ket Capture	96.45		100.00	87.93						
0				larket Capture	96.20		100.00	94.45						
	Current Fund Bmk				Fund	В	enchmark	Peer Group Median						
Cash Top Value	0.0 0.0				-0.16		0.00	-0.55						
Top Growth	0.0 0.0				0.98		1.00	0.92						
Mid Value	0.0 0.0			red	95.72		100.00	94.47						
Mid Growth	0.0 0.0							0.07						

14.3 FOR PLAN SPONSOR OR FINANCIAL PROFESSIONAL USE ONLY.

0.0

84.8

0.0

49.9

50.1

0.0

72.8

27.2

Mid Growth

Sm Value

Sm Growth

0.0

49.1

50.9

Sharpe Ratio

Up Market Capture

Down Market Capture

0.30

95.53

96.76

0.32

100.00

100.00

0.27

86.70

92.54

EMPOWER RETIREMENT

			_						-			_
Fund Incep Date: 01/02/2001	Benchmark : Russell 2000 Index		Category : Small Blend	Net Asse NA		er Name: //anaged		n ager Star 02/2001	t Date :	Expen	se Ratio : 0.07%	Expense Rar
PORTFOLIO COMP	OSITION (Holdings-based)		INVESTMENT OVER	VIEW								
Assets			The Fund is an "index	fund" that seeks ir	nvestment results th	at correspond a	enerally to the	price and	vield performa	nce. before fee	s and expense	es. of the Russ
	Cash US Stocks US Bonds Non-US Stocks Preferred Stocks Convertible Bonds Other	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	2000 Index. PERFORMANCE									
	Non-US Bonds	0.00%	30-		3 Year F	Rolling Perforn	mance (Jan 14	-Dec 18)				
Sector Breakdown Sensitive Communication Service Industrials Technology Energy Cyclical Basic Materials Consumer Cyclical Real Estate Financial Services Defensive Consumer Defensive Healthcare	25	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%		42014 2/20	015 4/2015	2/2016	4/2016	2/2017	4/2017	2/2018	 25th to N Median 	o 75th Percentile 5th Percentile ck Russell ex-T
Utilities		0.00%	22011					22011				
TOP 10 HOLDINGS			Fund	3N -20.7		-10.89 / 3	3Y		5Y	7Y	10Y	6.92
			Fund Benchmark Peer Group Median Number of Funds	-20. -20.2 -19.7	20 -11.01	-10.8973 -11.0173 -12.4075 784	34 7.36 /	50	4.41 / 28 3.51 / 50 669	10.44 / 30 9.60 / 50 601	11.97 / 39 11.69 / 50 556	0.92
			CALENDAR	2018	2017	2016	2015	2014	2013	2012	2011	2010
			Fund	-10.8	9 14.88		-4.21	5.09	39.10	16.54	-4.16	26.83
			Benchmark	-11.0		21.31	-4.41	4.89	38.82	16.35	-4.18	26.85
			Peer Group Median	-12.4	0 12.86	20.64	-4.47	4.87	37.56	15.70	-3.01	25.76
			RISK & PERFORMA	NCE STATISTICS	3		NOTE	S				
								-				
Total:		NA%				Peer Group						
		NA%	3 Yr	Fund	Benchmark	Peer Group Median						
Total: ASSET LOADINGS	(Returns-based)	NA%	3 Yr Alpha	Fund NA	Benchmark 0.00							

FUND EXPOSURES (W EIGHT) (Jan 16-Dec 18)											
)- ;-											
)- 											
-	Cu	rrent	Aver	age							
	Fund	Bmk	Fund	Bmk							
Cash	0.0	0.0	0.0	0.0							
Top Value	0.0	0.0	0.0	0.0							
Top Growth	0.0	0.0	0.0	0.0							
Mid Value	0.0	0.0	0.0	0.0							
Mid Growth	0.0	0.0	0.0	0.0							
Sm Value											
	48.7	49.1	49.8	49.9							

3 Yr	Fund	Benchmark	Peer Group Median
Alpha	NA	0.00	-0.95
Beta	NA	1.00	0.93
R-Squared	NA	100.00	94.87
Sharpe Ratio	NA	0.46	0.39
Up Market Capture	NA	100.00	87.93
Down Market Capture	NA	100.00	94.45
5 Yr	Fund	Benchmark	Peer Group Median
			mounan
Alpha	NA	0.00	-0.55
Alpha Beta	NA NA	0.00 1.00	
			-0.55
Beta	NA	1.00	-0.55 0.92
Beta R-Squared	NA	1.00 100.00	-0.55 0.92 94.47



BIACKROC	k EAFE Equ	ity inc	iex-I								$12/3^{\circ}$	1/2018
Fund Incep Date: 06/30/1999	Benchmark : MSCI EAFE		Category : Foreign Large Blend	Net Ass NA		ger Name : Managed	Mana 06/30	ger Start Da 1999	te :	Expen	se Ratio : 0.08%	Expense Ra
PORTFOLIO COMPOS	SITION (Holdings-based)		INVESTMENT OVER	VIEW								
Assets			The Fund is an "index	fund" that seeks i	nvestment results t	hat correspond der	nerally to the pr	ce and vield	Inerforman	ce before fee	s and expens	es of the MSC
	Cash US Stocks US Bonds Non-US Stocks Preferred Stocks Convertible Bonds Other	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	EAFE Net Dividend R	eturn Index.	0 1/	D-III D-f		10)				
	Non-US Bonds	0.00%	20		3 Year	Rolling Performa	ance (Jan 14-D	ec 18)				
ector Breakdown Sensitive			15-								 5th to 25th Per 25th to Median Median to 75th 	
Communication Services ndustrials		0.00% 0.00%	10-	\sim	1						75th to 95th Pe	
echnology		0.00%									BlackRock EAI	FE Equity Index-
ergy		0.00%						~	5		MSCIEAFE	
yclical			5-							5	MOOTEATE	
asic Materials		0.00%				\sim	\sim					
onsumer Cyclical		0.00%	0				∧ -					
eal Estate		0.00%										
nancial Services		0.00%	-5-				· ·					
efensive												
onsumer Defensive		0.00%	- 10-									
lealthcare		0.00%	2/2014	4/2014 2/20	4/2015	2/2016 4/20	016 2/2017	4/2017	2/2018	3 4/2018		
tilities		0.00%						-			101	
OP 10 HOLDINGS			Fund	-12		1Y	3Y		Y	7Y	10Y	3.31
				-12				0.78		5.99 / 20 6.24 / 15	6.40/31	3.31
			Benchmark Peer Group Median	-12 -12					/ 19 5 / 50	6.24 / 15 5.22 / 50	6.81 / 21 5.91 / 50	
			Number of Funds	-12	-15.05	-15.05750 765	712		22	5.22750	523	
			Number of Funds			/05	/12	6.	~~	290	523	
			CALENDAR	2018	3 2017	2016	2015	2014	2013	2012	2011	2010
			Fund	-13.	50 25.34	2.03	-0.65	-5.41	22.02	18.46	-11.83	7.91
			Benchmark	-13.3	36 25.62	1.51	-0.39	-4.48	23.29	17.90	-11.73	
			Peer Group Median	-15.0	05 25.37	0.83	-1.11	-5.41	20.10	17.91	-13.43	9.60
otal:		NA%	RISK & PERFORMA	NCE STATISTIC	S		NOTES					
	Potumo hocod)	100.70	3 Yr	Fund	Benchmark	Peer Group Median						
SSET LOADINGS (R	(eturns-based)		Alpha	0.11	0.00	-0.73						
FUND EXP	OSURES (WEIGHT) (Jan 16-Dec	18)	Beta	0.96	1.00	0.96						
75-			R-Squared	98.15	100.00	92.09						
50-			Sharpe Ratio	0.27	0.26	0.19						
25_			Up Market Capture	96.47	100.00	91.41						

100.00

100.00

Benchmark

0.00

1.00

0.09

100.00

100.00

100.00

91.41

96.71

Peer Group

Median

-1.01

0.95

91.52

0.00

89.04

96.00

25- 0-						
0-	Cu	rrent	Average			
	Fund	Bmk	Fund	Bmk		
Cash	3.7	3.1	5.3	2.2		
Europe Lg	63.3	57.8	61.6	58.5		
Europe Sm	3.0	5.4	3.5	3.9		
AsiaPac Lg	22.5	31.4	25.0	34.0		
AsiaPac Sm	6.7	0.8	3.4	0.6		
Emg Europe	0.8	1.6	0.4	0.9		
Emg Asia	0.0	0.0	0.9	0.0		

Up Market Capture

5 Yr

Alpha

Beta

R-Squared

Sharpe Ratio

Up Market Capture

Down Market Capture

Down Market Capture

96.47

95.99

Fund

-0.22

0.97

98.40

0.07

96.43

98.06

EMPOWER

05/01/2009	Benchma MSCI AC		SA GDP N	R USD	Category: Foreign Large Growth	Net Asset \$138,711.0	-	er Name: . Denning	12/31/	ger Start Date: 1991	Lapens	se Ratio: 0.49%	Expense Rai
ORTFOLIO COMPO	SITION (Ho	ldinas-t	nased)		INVESTMENT OVER	WIFW							
ssets			<i></i>								141 D 15		
	Cash US Stocks US Bonds Non-US Sto Preferred S Convertible	ocks Stocks		5.48% 1.97% 1.17% 90.72% 0.14% 0.00%	The investment seeks adviser believes have appreciation. It norma assets in common store PERFORMANCE	the potential for grow the will invest at least	th. Growth stocks 80% of its net ass	s are stocks that the sets in securities of	ne investment a f issuers in Eur	dviser believes have	the potential for	above-averag	je capital
	Other			0.52%			3 Year R	olling Performa	nce (Jan 14-D	ec 18)			
	Non-US Bo	onds		0.00%	20		0 1001 10	toning i chornia				4- 05#- D	_
ctor Breakdown					A						_	n to 25th Percentile th to Median	e
ensitive					15-							edian to 75th Perc	entile
ommunication Services	s			2.87%	. 13-							th to 95th Percenti	
dustrials				11.07%							10		
echnology				20.14%	10-							nerican Funds	
ergy				6.67%		\wedge						ropacific Growth I	R6
vclical												SCI ACWI ex USA	
asic Materials				8.73%	- 5-								
onsumer Cyclical				12.97%									
eal Estate				0.99%	\sim								
nancial Services				18.28%	0-		\rightarrow	=					
fensive													
insumer Defensive				7.46%			∇						
					-5-			-					
ealthcare				8.11%	2/2014	4/2014 2/2015	4/2015 2	/2016 4/2016	2/2017	4/2017 2/2018	4/2018		
ealthcare tilities				8.11% 2.70%	2/2014	4/2014 2/2015	4/2015 2	/2016 4/2016	2/2017	4/2017 2/2018	4/2018		
tilities						3M	YTD	1Y	3Y	5Y	7Y	10Y	SI
ilities DP 10 HOLDINGS				2.70%	2/2014 Fund	3M -12.59		1Y -14.91 / 52	3Y 4.08 / 31	5Y 1.86 / 37	7Y 6.77 / 32	7.69 / 40	SI 7.72
ilities OP 10 HOLDINGS IA Group Ltd				2.70%		3M	YTD	1Y	3Y	5Y 1.86 / 37 1.27 / 48	7Y		
tilities OP 10 HOLDINGS IA Group Ltd irbus SE				2.70% 2.70% 2.49%	Fund	3M -12.59	YTD -14.91	1Y -14.91 / 52	3Y 4.08 / 31	5Y 1.86 / 37 1.27 / 48 1.20 / 50	7Y 6.77 / 32	7.69 / 40	
tilities OP 10 HOLDINGS IA Group Ltd irbus SE lintendo Co Ltd	a l td			2.70% 2.70% 2.49% 2.35%	Fund Benchmark	3M -12.59 -9.80	YTD -14.91 -14.51	1Y -14.91 / 52 -14.51 / 48	3Y 4.08 / 31 6.12 / 14	5Y 1.86 / 37 1.27 / 48	7Y 6.77 / 32 5.05 / 81	7.69 / 40 6.52 / 76	
tilities OP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co) Ltd			2.70% 2.70% 2.49% 2.35% 2.34%	Fund Benchmark Peer Group Median Number of Funds	3M -12.59 -9.80 -14.22	ҮТD -14.91 -14.51 -14.76	1Y -14.91 / 52 -14.51 / 48 -14.76 / 50 458	3Y 4.08 / 31 6.12 / 14 3.06 / 50 416	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357	7.69 / 40 6.52 / 76 7.38 / 50 327	7.72
tilities OP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co teliance Industries Ltd) Ltd			2.70% 2.49% 2.35% 2.34% 2.32%	Fund Benchmark Peer Group Median Number of Funds CALENDAR	3M -12.59 -9.80 -14.22 2018	YTD -14.91 -14.51 -14.76 2017	1Y -14.91 / 52 -14.51 / 48 -14.76 / 50 458 2016	3Y 4.08 / 31 6.12 / 14 3.06 / 50 416 2015	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012	7.69 / 40 6.52 / 76 7.38 / 50 327 2011	7.72 2010
tilities OP 10 HOLDINGS IA Group Ltd irbus SE iintendo Co Ltd amsung Electronics Co leliance Industries Ltd IDFC Bank Ltd				2.70% 2.49% 2.35% 2.34% 2.32% 1.95%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund	3M -12.59 -9.80 -14.22 2018 -14.91	YTD -14.91 -14.51 -14.76 2017 31.17	1Y -14.91 / 52 -14.51 / 48 -14.76 / 50 458 2016 1.01	3Y 4.08 / 31 6.12 / 14 3.06 / 50 416 2015 -0.48	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 19.64	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31	7.72 2010 9.76
tilities OP 10 HOLDINGS IA Group Ltd irbus SE iintendo Co Ltd amsung Electronics Co eliance Industries Ltd IDFC Bank Ltd libaba Group Holding				2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark	3M -12.59 -9.80 -14.22 2018 -14.91 -14.91 -14.51	<u>YTD</u> -14.91 -14.51 -14.76 2017 31.17 31.95	1Y -14.91 / 52 -14.51 / 48 -14.76 / 50 458 2016 1.01 5.95	3Y 4.08 / 31 6.12 / 14 3.06 / 50 416 2015 -0.48 -7.66	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
tilities OP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co leliance Industries Ltd IDFC Bank Ltd libaba Group Holding ony Corp				2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81% 1.66%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund	3M -12.59 -9.80 -14.22 2018 -14.91	YTD -14.91 -14.51 -14.76 2017 31.17	1Y -14.91 / 52 -14.51 / 48 -14.76 / 50 458 2016 1.01	3Y 4.08 / 31 6.12 / 14 3.06 / 50 416 2015 -0.48	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31	7.72 2010 9.76
tilities OP 10 HOLDINGS IA Group Ltd irbus SE lintendo Co Ltd amsung Electronics Co teliance Industries Ltd DFC Bank Ltd libaba Group Holding ony Corp SML Holding NV	Ltd ADR	a Co I fd		2.70% 2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81% 1.66% 1.59%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.76	<u>YTD</u> -14.91 -14.51 -14.76 2017 31.17 31.95	1Y -14.91 / 52 -14.51 / 48 -14.76 / 50 458 2016 1.01 5.95	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
ilities DP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co eliance Industries Ltd DFC Bank Ltd libaba Group Holding I ony Corp SML Holding NV aiwan Semiconductor	Ltd ADR	g Co Ltd		2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.66% 1.59% 1.58%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.76	<u>YTD</u> -14.91 -14.51 -14.76 2017 31.17 31.95	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04	3Y 4.08 / 31 6.12 / 14 3.06 / 50 416 2015 -0.48 -7.66	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
ilities DP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co eliance Industries Ltd DFC Bank Ltd libaba Group Holding I ony Corp SML Holding NV aiwan Semiconductor I otal:	Ltd ADR Manufacturin			2.70% 2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81% 1.66% 1.59%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr	3M -12.59 -9.80 -14.22 2018 -14.91 -14.91 -14.51 -14.76 ANCE STATISTICS Fund	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
tilities OP 10 HOLDINGS IA Group Ltd irbus SE lintendo Co Ltd amsung Electronics Co leliance Industries Ltd IDFC Bank Ltd libaba Group Holding I ony Corp SML Holding NV aiwan Semiconductor otal:	Ltd ADR <u>Manufacturin</u>	sed)		2.70% 2.49% 2.35% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.76 ANCE STATISTICS Fund -1.28	ΥΤΟ -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
tilities OP 10 HOLDINGS IA Group Ltd irbus SE lintendo Co Ltd amsung Electronics Co teliance Industries Ltd DFC Bank Ltd libaba Group Holding ony Corp SML Holding NV aiwan Semiconductor otal: SSET LOADINGS (Ltd ADR Manufacturin	sed)	Jan 16-Dec :	2.70% 2.49% 2.35% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.76 ANCE STATISTICS Fund -1.28 0.86	<u>ттр</u> -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Вепсhmark 0.00 1.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
tilities OP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co teliance Industries Ltd IDFC Bank Ltd IIbaba Group Holding I ony Corp SML Holding NV aiwan Semiconductor I otal: SSET LOADINGS (FUND EX 100-	Ltd ADR <u>Manufacturin</u>	sed)	Jan 16-Dec	2.70% 2.49% 2.35% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.51 -14.76 NNCE STATISTICS Fund -1.28 0.86 89.22	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
ilities DP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co eliance Industries Ltd DFC Bank Ltd libaba Group Holding ony Corp SML Holding NV aiwan Semiconductor otal: SESET LOADINGS (FUND EX 75- 50-	Ltd ADR <u>Manufacturin</u>	sed)	Jan 16-Dec V	2.70% 2.49% 2.35% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio	3M -12.59 -9.80 -14.22 2018 -14.91 -14.91 -14.51 -14.76 NNCE STATISTICS Fund -1.28 0.86 89.22 0.31	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00 100.00 0.44	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
ilities DP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co eliance Industries Ltd DFC Bank Ltd libaba Group Holding ony Corp SML Holding NV aiwan Semiconductor otal: SSET LOADINGS (FUND EX 75- 50-	Ltd ADR <u>Manufacturin</u>	sed)	(Jan 16-Dec	2.70% 2.49% 2.35% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture	3M -12.59 -9.80 -14.22 2018 -14.91 -14.91 -14.91 -14.51 -14.76 ENCE STATISTICS Fund -1.28 0.86 89.22 0.31 83.52	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00 1.00 0.44 100.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23 75.91	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
ilities DP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co eliance Industries Ltd DFC Bank Ltd libaba Group Holding ony Corp SML Holding NV aiwan Semiconductor I stal: SEET LOADINGS (FUND EX 75- 50-	Ltd ADR Manufacturing Returns-bas (POSURES (W	sed) / EIGHT) (2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81% 1.66% 1.59% 1.88% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio	3M -12.59 -9.80 -14.22 2018 -14.91 -14.91 -14.51 -14.76 NNCE STATISTICS Fund -1.28 0.86 89.22 0.31	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00 100.00 0.44	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
lities P 10 HOLDINGS A Group Ltd rbus SE ntendo Co Ltd amsung Electronics Co eliance Industries Ltd DFC Bank Ltd ibaba Group Holding DFC Bank Ltd ibaba Group Holding SSET LOADINGS (FUND EX 75- 0-	Ltd ADR Manufacturin Returns-bas POSURES (W Curr Fund	sed) /EIGHT) (ent Bmk	Av er Fund	2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture	3M -12.59 -9.80 -14.22 2018 -14.91 -14.91 -14.91 -14.51 -14.76 ENCE STATISTICS Fund -1.28 0.86 89.22 0.31 83.52	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00 1.00 0.44 100.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23 75.91	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
ilities DP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co eliance Industries Ltd DFC Bank Ltd libaba Group Holding Io ony Corp SML Holding NV aiwan Semiconductor I otal: SSET LOADINGS (FUND EX 75- 0- Cash	Ltd ADR Manufacturing Returns-bas (POSURES (W Curr Fund 0.0	sed) / EIGHT) (ent Bmk 0.0	Aver Fund 6.2	2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.66% 1.59% 1.58% 20.79% 18) 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.76 ANCE STATISTICS Fund -1.28 0.86 89.22 0.31 83.52 92.47	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00 0.04 100.00 0.44 100.00 100.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23 75.91 91.20 Peer Group Median	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
tilities OP 10 HOLDINGS IA Group Ltd irbus SE lintendo Co Ltd amsung Electronics Co teliance Industries Ltd DFC Bank Ltd libaba Group Holding ony Corp SML Holding NV aiwan Semiconductor total: SSET LOADINGS (FUND EX 50- 25- 0- 1 Cash Europe Lg	Ltd ADR Manufacturing Returns-bas POSURES (W Curr Fund 0.0 20.4	sed) / EIGHT) (ent Bmk 0.0 41.6	Av er Fund 6.2 20.4	2.70% 2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79% 18) 18)	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture S Yr Alpha	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.76 ANCE STATISTICS Fund -1.28 0.86 89.22 0.31 83.52 92.47 Fund 0.66	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00 1.00 0.04 1.00 1.00 0.44 1.00 1.00 0.44 1.00 0.04 1.00 1.00 0.44 1.00 1.00 0.04 1.00 1.00 0.04 1.00 1.00 0.04 1.00 1.00 0.00 0.04 1.00 0.00 0.04 1.00 0.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23 75.91 91.20 Peer Group Median 0.07	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
tilities OP 10 HOLDINGS IA Group Ltd irbus SE intendo Co Ltd amsung Electronics Co leliance Industries Ltd DFC Bank Ltd libaba Group Holding I ony Corp SML Holding NV aiwan Semiconductor I otal: SSET LOADINGS (FUND EX 75- 0- Cash	Ltd ADR Manufacturing Returns-bas (POSURES (W Curr Fund 0.0	sed) / EIGHT) (ent Bmk 0.0	Aver Fund 6.2	2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.66% 1.59% 1.58% 20.79% 18) 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture S Yr Alpha Beta	3M -12.59 -9.80 -14.22 2018 -14.91 -14.91 -14.51 -14.76 NCE STATISTICS Fund -1.28 0.86 89.22 0.31 83.52 92.47 Fund 0.66 0.80	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 100.00 0.44 100.00 0.44 100.00 0.44 100.00 100.00 0.44 100.00 100.00 0.44 100.00 1	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23 75.91 91.20 Peer Group Median 0.07	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
tilities OP 10 HOLDINGS IA Group Ltd irbus SE lintendo Co Ltd amsung Electronics Co teliance Industries Ltd IDFC Bank Ltd libaba Group Holding IV aiwan Semiconductor otal: SSET LOADINGS (FUND EX 75- 0- 1 Cash I Cash I Europe Lg Europe Sm	Ltd ADR Manufacturing Returns-bas POSURES (W Curr Fund 0.0 20.4 19.5	sed) (EIGHT) (ent <u>Bmk</u> 0.0 41.6 0.0	Av er Fund 6.2 20.4 18.6	2.70% 2.49% 2.35% 2.34% 2.32% 1.95% 1.81% 1.66% 1.59% 1.58% 20.79%	Fund Benchmark Peer Group Median Number of Funds CALENDAR Fund Benchmark Peer Group Median RISK & PERFORM/ 3 Yr Alpha Beta R-Squared Sharpe Ratio Up Market Capture Down Market Capture 5 Yr Alpha Beta R-Squared	3M -12.59 -9.80 -14.22 2018 -14.91 -14.51 -14.51 -14.56 ENCE STATISTICS Fund -1.28 0.86 89.22 0.31 83.52 92.47 Fund 0.66 0.80 86.18	YTD -14.91 -14.51 -14.76 2017 31.17 31.95 31.14 Benchmark 0.00 1.00 1.00 1.00 0.04 1.00 1.00 0.44 1.00 1.00 0.44 1.00 0.04 1.00 1.00 0.44 1.00 1.00 0.04 1.00 1.00 0.04 1.00 1.00 0.04 1.00 1.00 0.00 0.04 1.00 0.00 0.04 1.00 0.00	1Y -14.91/52 -14.51/48 -14.76/50 458 2016 1.01 5.95 -2.04 Peer Group Median -1.93 0.83 76.60 0.23 75.91 91.20 Peer Group Median 0.07	3Y 4.08/31 6.12/14 3.06/50 416 2015 -0.48 -7.66 0.58	5Y 1.86 / 37 1.27 / 48 1.20 / 50 388 2014 2013 -2.29 20.58 -3.48 11.29	7Y 6.77 / 32 5.05 / 81 6.14 / 50 357 2012 4 19.64 19.07	7.69 / 40 6.52 / 76 7.38 / 50 327 2011 -13.31 -16.24	7.72 2010 9.76 8.79
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12/31/2018



Capital Markets Overview

Fourth Quarter 2018

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Macroeconomic Summary

U.S. Economy

- U.S. economic growth decreased in the third quarter of 2018
 - The final estimate of GDP growth came in at an annualized rate of 3.4%. This reflects an decrease from 4.2% in the second quarter
- Q4 job creation remained strong, adding 274,000, 176,000 and 312,000 in October, November and December, respectively
 - The unemployment rate increased to 3.9% overall at year-end and number of unemployed ended at 6.3 million
 - Compared to year end 2017, both the unemployment rate and number of unemployed decreased by 0.2% and 300,000, respectively
- The Q4 2018 Housing Affordability Index reached its lowest (least affordable) reading since Q3 2008
 - The Index reading dropped to 91, from 94 the previous quarter and 106 a year ago, meaning residential housing is at a 10 year low for affordability
- In December, the Fed approved another quarter-point hike, moving the Fed Funds rate to 2.50%
 - This is the fourth and final rate hike of 2018, with two more projected in 2019

Global Economy

- In the U.K. and Europe Brexit remains the focus, with divisions between Theresa May and Conservative party members over the current proposed Brexit agreement
 - The next major milestone is on January 21, 2019, when the British Government must make a statement within five days on what the U.K plans to do
- Global political uncertainty remains over the medium-term
 - Despite an agreed 90 day suspension of tariffs between China and the US, a long-term solution is still unclear
 - In December, Italy agreed a compromise with the EU over the country's budget deficit to avoid a disciplinary procedure for now
- A sharp fall in oil prices in the fourth quarter significantly impacted multiple emerging market countries
 - For net importers of oil such as Turkey, India and Indonesia this was a significant tailwind in the fourth quarter
 - For producers such as Colombia and Russia this was a significant headwind in the fourth quarter



Market Summary

U.S. Markets

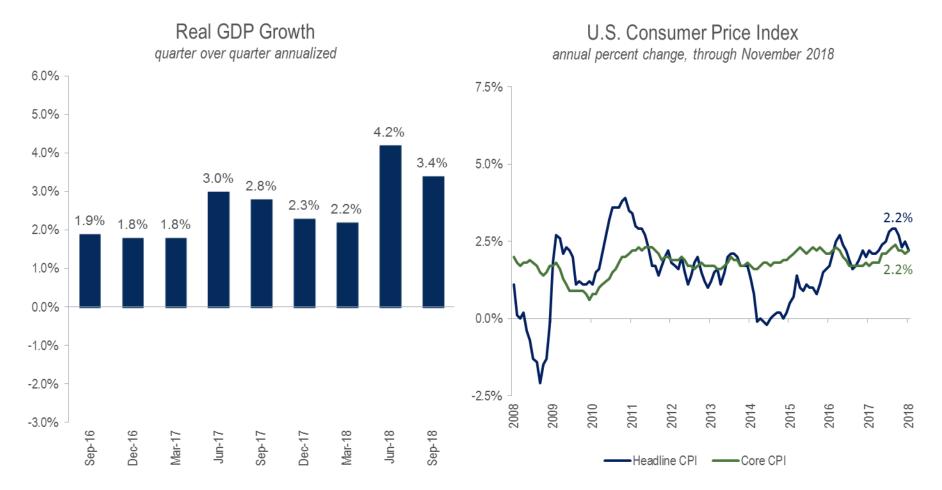
- The S&P 500 Index closed the quarter with a loss of 13.5%, ending 2018 with a calendar year return of -4.4%
 As of December 31, 2018, three- and five-year annualized trailing returns for the S&P 500 Index were 9.3% and 8.5%, respectively
- Utilities posted the only positive performance across all sectors for the quarter, returning 1.4%
- Energy was the worst performing sector for the quarter, returning -23.8%
- Large cap stocks outperformed small and mid-caps in Q4
 - Stylistically, large value stocks had the strongest performance, returning -11.7% in Q4, 2018
 - -The Bloomberg Barclays U.S. Aggregate Bond Index posted a quarterly return of 1.6% in Q4
 - Fixed income continues to face the headwind of rising interest rates, but significantly outperformed domestic equities in Q4

Global Markets

- Emerging Market equities outperformed both domestic and developed international equities
 - The MSCI EAFE Index realized a total return of -12.5% for the quarter, trailing the S&P 500 index by 1%
 - The MSCI Emerging Markets Index realized a total return of -7.5% for the quarter, beating the S&P 500 index by 6%
- Overall, through the medium and long-term, international equities continue to lag behind domestic equities
- US debt outperformed Emerging Markets debt in Q4
 - The Bloomberg Barclays US Agg beat the JPM EMBI Global Diversified Index by 2.9%, returning 1.6% for the quarter



State of the U.S. Economy

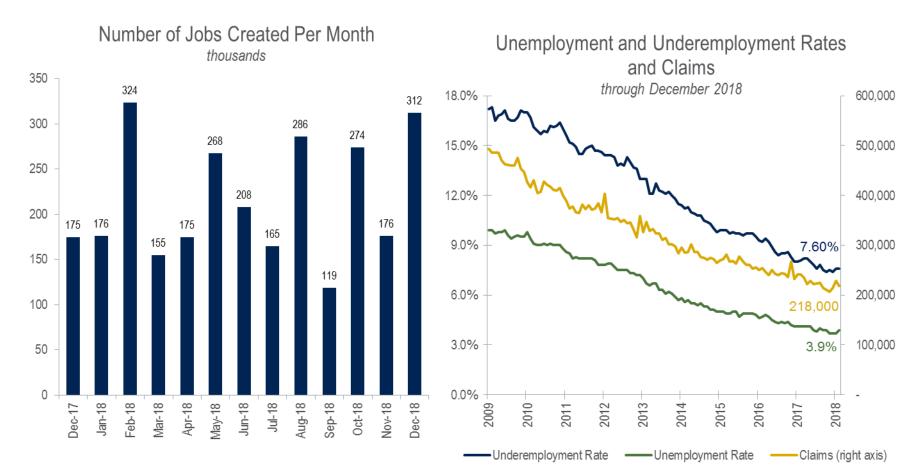


Source: Bloomberg; GWCM Analysis

The core measure of inflation excludes food and energy prices while the headline measure of inflation does not GDP estimates presented reflect the median estimate provided by Bloomberg



U.S. Labor Market Trends



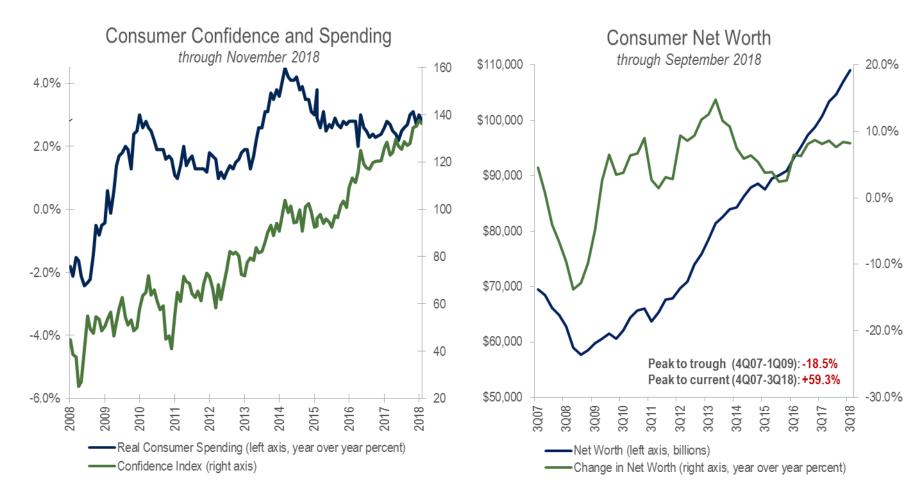
Source: Bloomberg; Bureau of Labor Statistics; GWCM Analysis

The Unemployment Rate represents total unemployed, as a percent of the civilian labor force

The Underemployment Rate represents total unemployed, plus all marginally attached workers, plus total employed part time for economic reasons, as a percent of the civilian labor force plus all marginally attached workers

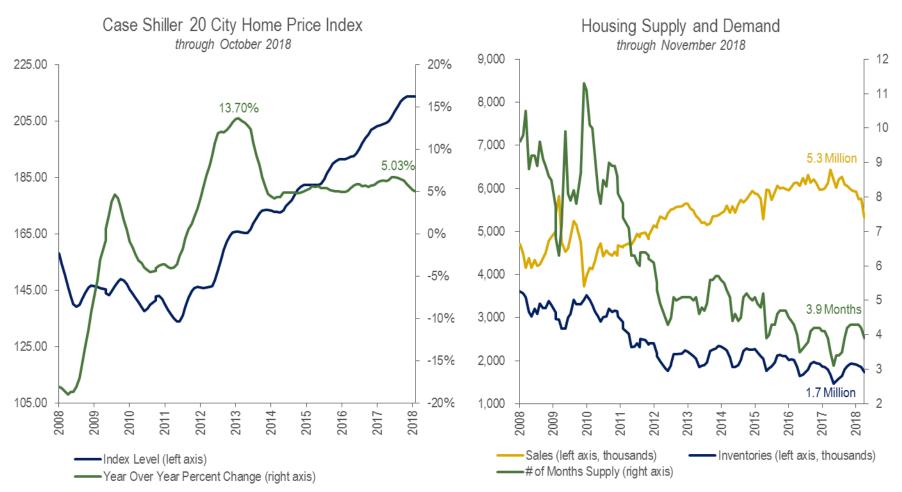


U.S. Consumer Confidence, Spending and Net Worth



Source: Bloomberg; Federal Reserve; GWCM Analysis



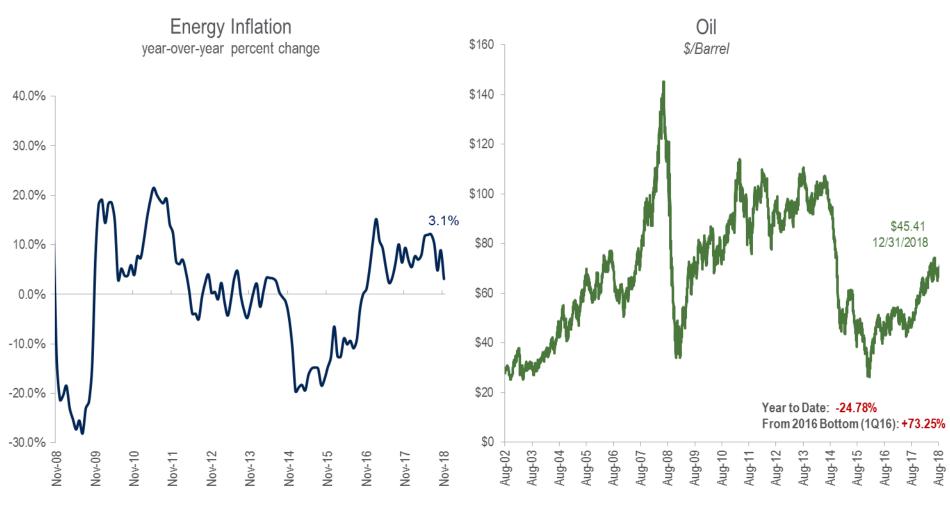


U.S Housing Market Trends

Source: Bloomberg; GWCM Analysis



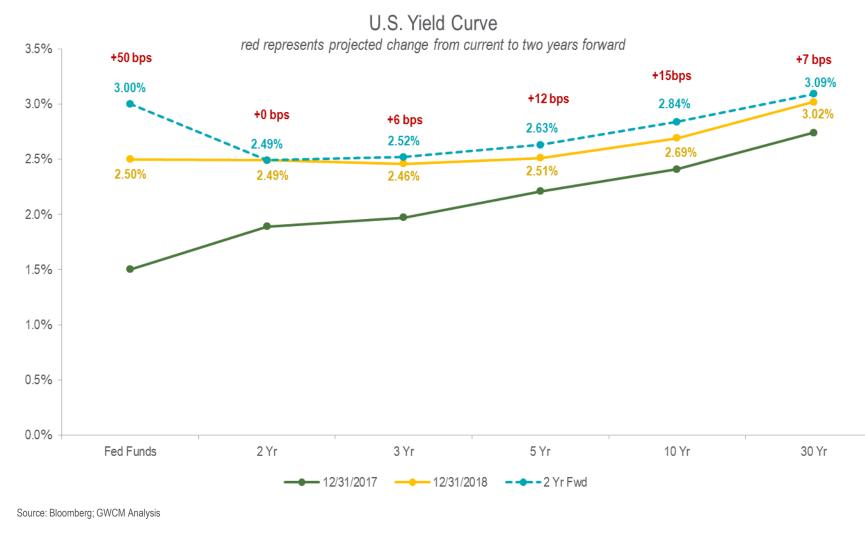
Energy Inflation and Oil



Source: Bloomberg; GWCM Analysis Oil prices shown for West Texas Intermediate (WTI) Crude

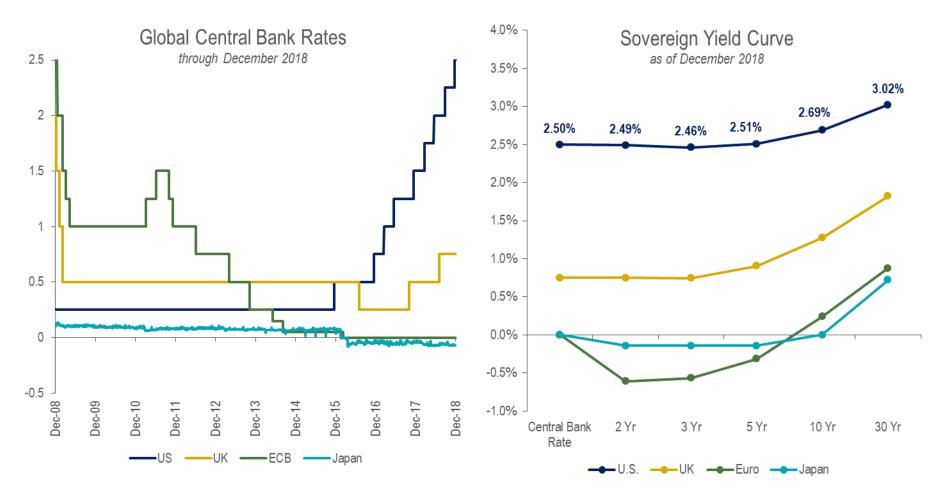


Historical, Current and Forward Rates





Global Monetary Policies and Interest Rates



Source: Bloomberg; GWCM Analysis

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The S&P 500 index generated a -13.52% return during the fourth quarter



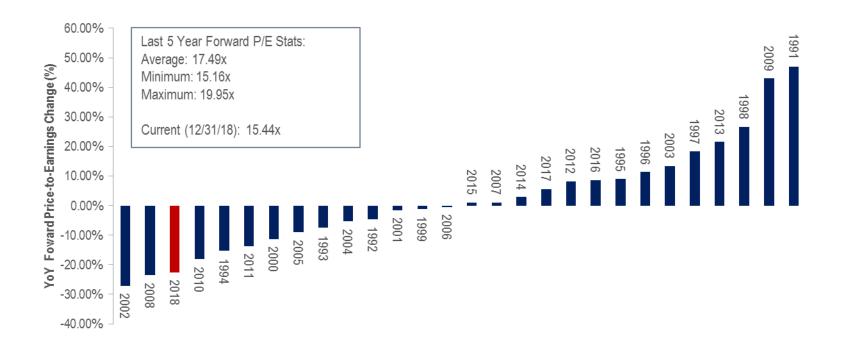
S&P 500 Index

Source: Morningstar Direct; GWCM Analysis



Are equities trading at a discount or have we seen a structural shift in valuations?

- The current market price-to-earnings multiple (measured by the S&P 500) is near five-year lows due to the market decline, despite strong earnings growth in 2018
 - 2018 was a challenging year for domestic equity markets with an abundance of uncertainty and negative news
 - This has served to lower expectations and has been seemingly priced into the markets, which may allow for positive surprises going forward
 - Alternatively, the current multiple may be indicative of a structural shift in equity valuations as investor sentiment on future earnings continues to wane



Source: Bloomberg, GWCM Analysis. Forward price-to-earnings ratio uses the forward 12 month earnings estimates based on Bloomberg estimates, known as BEst P/E



Equity Market Returns

(as of December, 31 2018)		QTD	YTD	1 Year Trailing	3 Year Trailing	5 Year Trailing	10 Year Trailing	2017	2016	2015	2014	2013	2012	2011
Dom	estic Equity													
	S&P 500	-13.5%	-4.4%	-4.4%	9.3%	8.5%	13.1%	21.8%	12.0%	1.4%	13.7%	32.4%	16.0%	2.1%
Large Cap	Russell 1000 Value	-11.7%	-8.3%	-8.3%	7.0%	5.9%	11.2%	13.7%	17.3%	-3.8%	13.5%	32.5%	17.5%	0.4%
Lar	Russell 1000 Growth	-15.9%	-1.5%	-1.5%	11.1%	10.4%	15.3%	30.2%	7.1%	5.7%	13.0%	33.5%	15.3%	2.6%
dE	Russell Mid Cap	-15.4%	-9.1%	-9.1%	7.0%	6.3%	14.0%	18.5%	13.8%	-2.4%	13.2%	34.8%	17.3%	-1.5%
Mid Cap	Russell Mid Cap Value	-15.0%	-12.3%	-12.3%	6.1%	5.4%	13.0%	13.3%	20.0%	-4.8%	14.7%	33.5%	18.5%	-1.4%
	Russell Mid Cap Growth	-16.0%	-4.8%	-4.8%	8.6%	7.4%	15.1%	25.3%	7.3%	-0.2%	11.9%	35.7%	15.8%	-1.7%
Small Cap	Russell 2000	-20.2%	-11.0%	-11.0%	7.4%	4.4%	12.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%	-4.2%
all C	Russell 2000 Value	-18.7%	-12.9%	-12.9%	7.4%	3.6%	10.4%	7.8%	31.7%	-7.5%	4.2%	34.5%	18.1%	-5.5%
Sm	Russell 2000 Growth	-21.7%	-9.3%	-9.3%	7.2%	5.1%	13.5%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%	-2.9%
Inter	mational Equity													
	MSCIEAFE	-12.5%	-13.8%	-13.8%	2.9%	0.5%	6.3%	25.0%	1.0%	-0.8%	-4.9%	22.8%	17.3%	-12.1%
S	Australia	-10.0%	-12.0%	-12.0%	5.6%	0.5%	8.9%	19.9%	11.4%	-10.0%	-3.4%	4.2%	22.1%	-11.0%
arke	Canada	-15.3%	-17.2%	-17.2%	6.2%	-1.6%	5.7%	16.1%	24.6%	-24.2%	1.5%	5.6%	9.1%	-12.7%
d Ma	France	-15.0%	-12.8%	-12.8%	5.6%	1.2%	5.5%	28.7%	4.9%	-0.1%	-9.9%	26.3%	21.3%	-16.9%
Developed Markets	Germany	-15.5%	-22.2%	-22.2%	0.7%	-2.1%	5.6%	27.7%	2.8%	-1.9%	-10.4%	31.4%	30.9%	-18.1%
evel	Japan	-14.2%	-12.9%	-12.9%	3.4%	3.1%	5.3%	24.0%	2.4%	9.6%	-4.0%	27.2%	8.2%	-14.3%
Ω	Switzerland	-8.9%	-9.1%	-9.1%	1.9%	1.2%	7.8%	22.5%	-4.9%	0.4%	-0.1%	26.6%	20.4%	-6.8%
	UK	-11.8%	-14.2%	-14.2%	1.6%	-1.7%	6.8%	22.3%	-0.1%	-7.6%	-5.4%	20.7%	15.3%	-2.6%
	MSCI Emerging Markets	-7.5%	-14.6%	-14.6%	9.2%	1.6%	8.0%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%	-18.4%
S	Brazil	13.4%	-0.5%	-0.5%	27.1%	0.7%	5.1%	24.1%	66.2%	-41.4%	-14.0%	-16.0%	0.0%	-21.8%
Irket	China	-10.7%	-18.9%	-18.9%	8.0%	4.6%	8.3%	54.1%	0.9%	-7.8%	8.0%	3.6%	22.7%	-18.4%
g Ma	India	2.5%	-7.3%	-7.3%	8.2%	8.1%	10.7%	38.8%	-1.4%	-6.1%	23.9%	-3.8%	26.0%	-37.2%
ginç	Indonesia	9.7%	-9.2%	-9.2%	9.7%	6.1%	13.2%	24.2%	17.0%	-19.5%	26.6%	-23.5%	4.6%	6.0%
Emerging Markets	Korea	-13.1%	-20.9%	-20.9%	8.2%	1.0%	9.7%	47.3%	8.7%	-6.7%	-11.1%	3.9%	21.2%	-12.0%
ш	Mexico	-18.8%	-15.5%	-15.5%	-3.8%	-7.1%	4.6%	16.0%	-9.2%	-14.4%	-9.3%	0.2%	29.1%	-12.1%
	Russia	-9.0%	-0.7%	-0.7%	17.4%	-2.0%	7.3%	5.2%	54.8%	4.2%	-46.3%	0.8%	13.7%	-19.6%

Source: Morningstar Direct; GWCM Analysis

Individual country returns are represented by MSCI indices and shown as USD returns

*Canada is not part of the EAFE Index

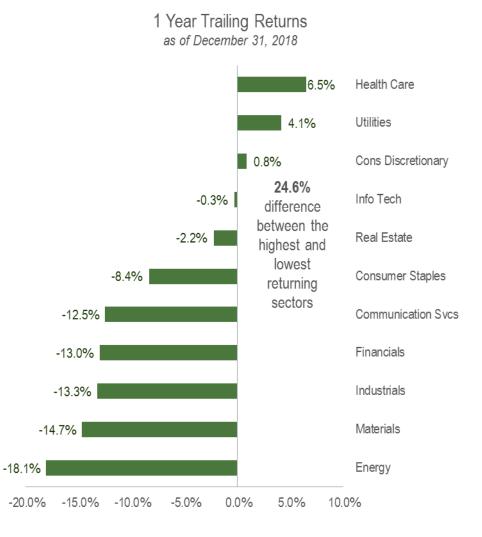
Past performance is not a guarantee or prediction of future results.



S&P 500 Sector Returns







Returns by Style

		3 Months				1 Year		:	Since Market Peak (October, 2007)				
	Value	Blend	Growth		Value	Blend	Growth		Value	Blend	Growth		
Large	-11.7%	-13.5%	-15.9%	Large	-8.3%	-4.4%	-1.5%	Large	67.2%	103.7%	146.8%		
Mid	-15.0%	-15.4%	-16.0%	Mid	-12.3%	-9.1%	-4.8%	Mid	91.4%	103.5%	116.7%		
Small	-18.7%	-20.2%	-21.7%	Small	-12.9%	-11.0%	-9.3%	Small	69.6%	86.4%	102.7%		
		3 Year				5 Year			Since Ma	rket Low (Ma	rch, 2009)		
	Value	Blend	Growth		Value	Blend	Growth		Value	Blend	Growth		
e				ge				ge					

3 Year						5 Year		Since Market Low (March, 2009)			
	Value	Blend	Growth		Value	Blend	Growth		Value	Blend	Growth
Large	7.0%	9.3%	11.2%	Large	6.0%	8.5%	10.4%	Large	317.0%	355.2%	403.3%
Mid	6.1%	7.0%	8.6%	Mid	5.4%	6.3%	7.4%	Mid	388.6%	391.0%	401.0%
Small	7.4%	7.4%	7.2%	Small	3.6%	4.4%	5.1%	Small	319.5%	349.4%	378.4%

performance as of 12/31/2018

Source: Morningstar Direct; GWCM Analysis; Large Blend – S&P 500 Index, Large Value – Russell 1000 Value Index, Large Growth – Russell 1000 Growth Index, Mid Blend – Russell Mid Cap Index, Mid Value – Russell Mid Cap Value Index, Mid Growth – Russell Mid Cap Growth Index, Small Blend – Russell 2000 Index, Small Value – Russell 2000 Value Index, Small Growth – Russell 2000 Growth Index



Fixed Income and Specialty Returns

(as of December 31, 2018)	QTD	YTD	1 Year Trailing	3 Year Trailing	5 Year Trailing	10 Year Trailing	2017	2016	2015	2014	2013	2012	2011
Fixed Income													
Bloomberg Barclays US Aggregate	1.6%	0.0%	0.0%	2.1%	2.5%	3.5%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%
Bloomberg Barclays US Treasury	2.6%	0.9%	0.9%	1.4%	2.0%	2.1%	2.3%	1.0%	0.8%	5.1%	-2.7%	2.0%	9.8%
Bloomberg Barclays US Govt/Credit Intermediate	1.7%	0.9%	0.9%	1.7%	1.9%	2.9%	2.1%	2.1%	1.1%	3.1%	-0.9%	3.9%	5.8%
Bloomberg Barclays US Govt/Credit Long	0.8%	-4.7%	-4.7%	4.0%	5.4%	5.9%	10.7%	6.7%	-3.3%	19.3%	-8.8%	8.8%	22.5%
Bloomberg Barclays US TIPS	-0.4%	-1.3%	-1.3%	2.1%	1.7%	3.6%	3.0%	4.7%	-1.4%	3.6%	-8.6%	7.0%	13.6%
Bloomberg Barclays US Corporate High Yield	-4.5%	-2.1%	-2.1%	7.2%	3.8%	11.1%	7.5%	17.1%	-4.5%	2.5%	7.4%	15.8%	5.0%
Citi WGBI	1.8%	-0.8%	-0.8%	2.7%	0.8%	1.5%	7.5%	1.6%	-3.6%	-0.5%	-4.0%	1.6%	6.4%
JPM EMBI Global Diversified	-1.3%	-4.3%	-4.3%	5.2%	4.8%	8.2%	10.3%	10.2%	1.2%	7.4%	-5.3%	17.4%	7.3%
Citi Treasury Bill 3 Month	0.6%	1.9%	1.9%	1.0%	0.6%	0.4%	0.8%	0.3%	0.0%	0.0%	0.1%	0.1%	0.1%
Specialty													
Bloomberg Commodity	-9.4%	-11.2%	-11.2%	0.3%	-8.8%	-3.8%	1.7%	11.8%	-24.7%	-17.0%	-9.5%	-1.1%	-13.3%
DJ US Select REIT	-6.6%	-4.2%	-4.2%	2.0%	7.9%	12.0%	3.8%	6.7%	4.5%	32.0%	1.2%	17.1%	9.4%
FTSE EPRA/NAREIT Developed Ex US	-4.9%	-5.8%	-5.8%	5.1%	3.0%	9.2%	20.8%	2.0%	-3.2%	3.2%	6.1%	38.6%	-15.3%

Source: Morningstar Direct; GWCM Analysis

Past performance is not a guarantee or prediction of future results.



Calendar Year Returns by Asset Class

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Cumulative Return*
Agg Bond	Emrg Mkt	Sm Growth	Agg Bond	Mid Value	Sm Growth	Mid Value	Lg Growth	Sm Value	Emrg Mkt	Agg Bond	Lg Growth
5.2	78.5	29.1	7.8	18.5	43.3	14.7	5.7	31.7	37.3	0.01	155.37
Balanced	Mid Growth	Mid Growth	Balanced	Emrg Mkt	Mid Growth	Lg Value	Balanced	Mid Value	Lg Growth	Lg Growth	Mid Growth
-22.1	46.3	26.4	4.7	18.2	35.7	13.5	1.3	20.0	30.2	-1.51	127.60
Sm Value	Lg Growth	Mid Value	Lg Growth	Sm Value	Sm Value	Lg Growth	Agg Bond	Lg Value	Mid Growth	Balanced	Sm Growth
-28.9	37.2	24.8	2.6	18.1	34.5	13.0	0.5	17.3	25.3	-2.35	118.47
Lg Value	Sm Growth	Sm Value	Lg Value	Lg Value	Lg Growth	Mid Growth	Mid Growth	Sm Growth	International	Mid Growth	Mid Value
-36.8	34.5	24.5	0.4	17.5	33.5	11.9	-0.2	11.3	25.0	-4.75	109.52
Lg Growth	Mid Value	Emrg Mkt	Mid Value	International	Mid Value	Balanced	International	Emrg Mkt	Sm Growth	Lg Value	Balanced
-38.4	34.2	18.9	-1.4	17.3	33.5	10.6	-0.8	11.2	22.2	-8.27	91.81
Mid Value	International	Lg Growth	Mid Growth	Mid Growth	Lg Value	Agg Bond	Sm Growth	Balanced	Balanced	Sm Growth	Sm Value
-38.4	31.8	16.7	-1.7	15.8	32.5	6.0	-1.4	8.3	14.2	-9.31	91.15
Sm Growth	Sm Value	Lg Value	Sm Growth	Lg Growth	International	Sm Growth	Lg Value	Mid Growth	Lg Value	Mid Value	Lg Value
-38.5	20.6	15.5	-2.9	15.3	22.8	5.6	-3.8	7.3	13.7	-12.29	82.21
International	Lg Value	Balanced	Sm Value	Sm Growth	Balanced	Sm Value	Mid Value	Lg Growth	Mid Value	Sm Value	Agg Bond
-43.4	19.7	12.1	-5.5	14.6	17.6	4.2	-4.8	7.1	13.3	-12.86	48.12
Mid Growth	Balanced	International	International	Balanced	Agg Bond	Emrg Mkt	Sm Value	Agg Bond	Sm Value	International	International
-44.3	18.4	7.8	-12.1	11.3	-2.0	-2.2	-7.5	2.6	7.8	-13.79	4.48
Emrg Mkt	Agg Bond	Agg Bond	Emrg Mkt	Agg Bond	Emrg Mkt	International	Emrg Mkt	International	Agg Bond	Emrg Mkt	Emrg Mkt
-53.3	5.9	6.5	-18.4	4.2	-2.6	-4.9	-14.9	1.0	3.5	-14.58	0.94

*Cumulative return is for the time period 1/1/2008-12/31/2018

Source: Morningstar Direct; GWCM Analysis; Lg Growth – Russell 1000 Growth Index, Lg Value – Russell 1000 Value Index, Mid Growth – Russell Mid Cap Growth Index, Mid Value – Russell Mid Cap Value Index, Sm Growth – Russell 2000 Growth Index, Sm Value – Russell 2000 Value Index, International – MSCI EAFE NR Index, Emrg Mkt – MSCI EM NR Index, Agg Bond – Bloomberg Barclays US Aggregate Bond Index, Balanced – 60% S&P 500 Index and 40% Bloomberg Barclays US Aggregate Bond Index.



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The MSCI Emerging Markets Index represents the performance of stocks in 26 emerging market countries in Europe, Latin America and the Pacific Basin.

The Bloomberg Barclays Capital US Aggregate Bond Index includes fixed rate debt issues rated investment grade or higher by Moody's Investors Service, Standard and Poor's, or Fitch Investor's Service, in that order. All issues must have at least 1 year left to maturity and have an outstanding par value of at least \$100 million. The Aggregate Index is comprised of the Government/Corporate, the Mortgage-Backed Securities, and the Asset-Backed Securities indices.

The Standard & Poor's 500 is a market capitalization-weighted index of 500 widely held stocks often used as a proxy for the stock market. Standard and Poor's chooses the member companies for the 500 based on market size, liquidity and industry group representation. Included are the stocks of industrial, financial, utility, and transportation companies. Since mid-1989, this composition has been more flexible and the number of issues in each sector has varied. The returns presented for the S&P 500 are total returns, including the reinvestment of dividends each month.

The Russell 1000 Value - Market capitalization-weighted index of those firms in the Russell 1000 with lower price-to-book ratios and lower forecasted growth values. The Russell 1000 includes the largest 1000 firms in the Russell 3000, which represents approximately 98% of the investable U.S. equity market.

The Russell 1000 Growth - Market capitalization-weighted index of those firms in the Russell 1000 with higher price-to-book ratios and higher forecasted growth values. The Russell 1000 includes the largest 1000 firms in the Russell 3000, which represents approximately 98% of the investable U.S. equity market.



Disclosures and Benchmark Definitions

The Russell 2000 - Consists of the smallest 2000 companies in the Russell 3000 Index, representing approximately 7% of the Russell 3000 total market capitalization. Returns include reinvestment of dividends.

The Russell 2000 Value - Market-weighted total return index that measures the performance of companies within the Russell 2000 Index having lower price-to-book ratios and lower forecasted growth values. The Russell 2000 Index includes the 2000 firms from the Russell 3000 Index with the smallest market capitalizations.

The Russell 2000 Growth - Market-weighted total return index that measures the performance of companies within the Russell 2000 Index having higher price-to-book ratios and higher forecasted growth values. The Russell 2000 Index includes the 2000 firms from the Russell 3000 Index with the smallest market capitalizations.

The Russell Mid-Cap - Measures the performance of the 800 smallest companies in the Russell 1000 Index, which represent approximately 24% of the total market capitalization of the Russell 1000 Index.

The Russell Mid-Cap Value - Market-weighted total return index that measures the performance of companies within the Russell Mid-Cap Index having lower price-to-book ratios and lower forecasted growth values. The Russell Mid-Cap Index includes firms 201 through 1000, based on market capitalization, from the Russell 3000 Index.

The Russell Mid-Cap Growth - Market-weighted total return index that measures the performance of companies within the Russell Mid-Cap Index having higher price-to-book ratios and higher forecasted growth values. The Russell Mid-Cap Index includes firms 201 through 1000, based on market capitalization, from the Russell 3000 Index.

The Bloomberg Barclays U.S. Treasury Index includes public obligations of the U.S. Treasury with a remaining maturity of one year or more.

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The Citi World Government Bond Index is an index of bonds issued by governments in the U.S., Europe and Asia.

The Citigroup 3-Month T-Bill Index – The Citigroup 3-Month T-Bill Index is an unmanaged index that is generally representative of 3-month Treasury bills and consists of an average of the last 3-month U.S. Treasury Bill issues.

The JPMorgan Emerging Markets Bond Index Global tracks total returns for traded external debt instruments in the emerging markets, and is an expanded version of the JPMorgan EMBI+. As with the EMBI+, the EMBI Global includes U.S. dollar-denominated Brady bonds, loans, and Eurobonds with an outstanding face value of at least \$500 million. It covers more of the eligible instruments than the EMBI+ by relaxing somewhat the strict EMBI+ limits on secondary market trading liquidity.

The Bloomberg Barclays US TIPS Index includes all publicly issued, U.S. Treasury inflation-protected securities that have at least one year remaining to maturity, are rated investment grade, and have \$250 million or more of outstanding face value.

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The FTSE EPRA/NAREIT Developed ex US Index is a subset of the FTSE EPRA/NAREIT Developed Index and is designed to track the performance of listed real estate companies and REITS.

Source: Morningstar Direct.



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