

**BOARD OF TRUSTEES
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**Tuesday, December 4, 2012
1:00 p.m.**

**Tod Hall
Board Meeting Room**

AGENDA

A. Disposition of Minutes for Meeting Held September 18, 2012

B. Old Business

C. Subcommittee Item

1. Discussion Items

a. Hartland & Co. December 4, 2012 Non-Endowment Assets Update **Tab 1**
Mike Shebak and Sarah Parker will report.

b. Hartland & Co. September Quarterly University Investments Update **Tab 2**
Mike Shebak and Sarah Parker will report.

c. Hartland & Co. September Monthly Flash Report Update **Tab 3**
Mike Shebak and Sarah Parker will report.

D. New Business

E. Adjournment



December 4, 2012

Youngstown State University Non-Endowment Assets

HARTLAND & Co.
Investment Consultants

INDEPENDENCE || EXPERTISE || RESULTS



Consulting Team:

Michael P. Shebak

Sarah E. Parker





Contents



- I. Market Update
- II. Third Quarter 2012 Performance
- III. Asset Allocation Considerations

Electronic Quarterly Reports

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Market Update



Periodic Chart: Asset Classes

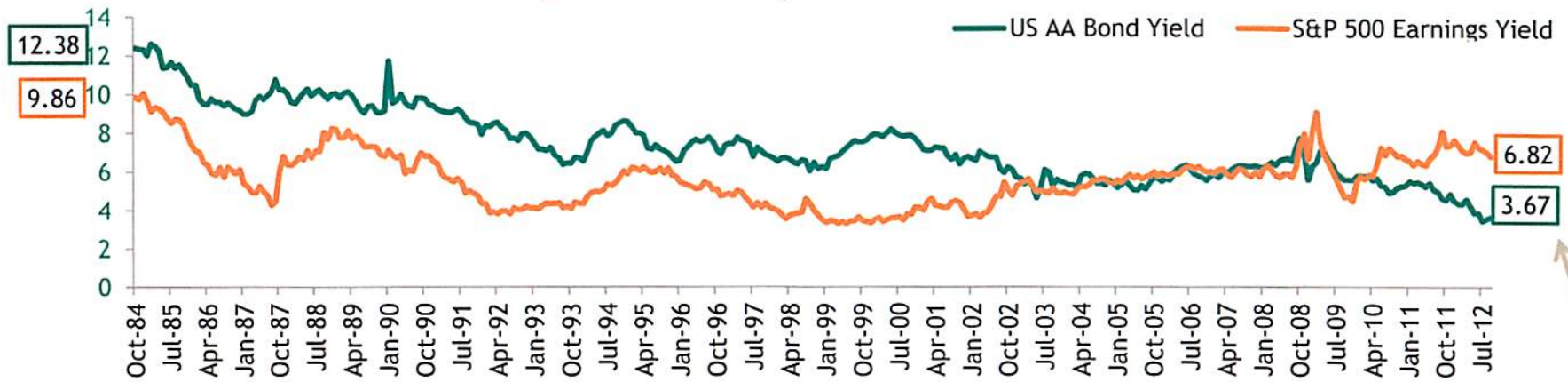
	2003	2004	2005	2006	2007	2008	2009	2010	2011	Q1 2012	Q2 2012	Q3 2012	YTD
Best	Em Mkt 56.3%	REITs 30.4%	Em Mkt 34.5%	REITs 34.3%	Em Mkt 39.8%	Glb Bond 9.4%	Em Mkt 79.0%	REITs 27.6%	US Bonds 7.8%	Em Mkt 14.1%	REITs 4.6%	Em Mkt 7.9%	REITs 17.6%
	Sm/Mid 45.5%	Em Mkt 26.0%	Dev Intl 14.0%	Em Mkt 32.6%	Dev Intl 11.6%	US Bonds 5.2%	Hi Yld 57.5%	Sm/Mid 26.7%	REITs 7.3%	Sm/Mid 13.0%	US Bonds 2.1%	Dev Intl 7.0%	Large Cap 16.4%
	Dev Intl 39.2%	Dev Intl 20.7%	REITs 8.3%	Dev Intl 26.9%	Glb Bond 10.9%	Cash 2.1%	Sm/Mid 34.4%	Em Mkt 19.2%	Glb Bond 5.2%	Large Cap 12.6%	Hi Yld 1.8%	Large Cap 6.4%	Sm/Mid 14.3%
	REITs 38.5%	Sm/Mid 18.3%	Sm/Mid 8.1%	Sm/Mid 16.2%	Hdg Fnds 9.7%	Hdg Fnds -20.8%	Dev Intl 32.5%	Hi Yld 15.2%	Hi Yld 4.4%	Dev Intl 11.0%	Glb Bond 0.4%	Sm/Mid 5.6%	Em Mkt 12.3%
	Large Cap 28.7%	Glb Bond 12.1%	Hdg Fnds 7.5%	Large Cap 15.8%	US Bonds 7.0%	Hi Yld -26.4%	REITs 27.5%	Large Cap 15.1%	Large Cap 2.1%	REITs 10.4%	Cash 0.0%	Hi Yld 4.6%	Hi Yld 12.0%
	Hi Yld 28.2%	Large Cap 10.9%	Large Cap 4.9%	Hi Yld 11.8%	Large Cap 5.5%	Sm/Mid -36.8%	Large Cap 26.5%	Hdg Fnds 10.6%	Cash 0.1%	Hi Yld 5.2%	Hdg Fnds -1.7%	Glb Bond 4.0%	Dev Intl 10.6%
	Glb Bond 18.2%	Hi Yld 10.9%	Cash 3.1%	Hdg Fnds 10.2%	Cash 5.0%	Large Cap -37.0%	Hdg Fnds 11.5%	Dev Intl 8.2%	Sm/Mid -2.5%	Hdg Fnds 3.2%	Large Cap -2.8%	Hdg Fnds 2.2%	Glb Bond 4.2%
	Hdg Fnds 11.4%	Hdg Fnds 7.2%	Hi Yld 2.7%	Glb Bond 7.3%	Hi Yld 2.2%	REITs -37.3%	US Bonds 5.9%	US Bonds 6.6%	Hdg Fnds -4.9%	US Bonds 0.3%	Sm/Mid -4.1%	REITs 1.9%	US Bonds 4.0%
	US Bonds 4.1%	US Bonds 4.3%	US Bonds 2.4%	Cash 4.9%	Sm/Mid 1.4%	Dev Intl -43.1%	Glb Bond 4.4%	Glb Bond 6.1%	Dev Intl -11.7%	Cash 0.0%	Dev Intl -6.9%	US Bonds 1.6%	Hdg Fnds 3.3%
	Cash 1.2%	Cash 1.3%	Glb Bond -8.8%	US Bonds 4.3%	REITs -17.8%	Em Mkt -53.2%	Cash 0.2%	Cash 0.1%	Em Mkt -18.2%	Glb Bond -0.2%	Em Mkt -8.8%	Cash 0.0%	Cash 0.1%
Worst													

“Risk” assets have performed best in 2012.

Past performance is no guarantee of future results. Asset classes represented by: Large Cap - S&P 500 Index; Sm/Mid - Russell 2500 Index; Dev Intl - MSCI EAFE Index; Em Mkt - MSCI Emerging Markets Index; Hi Yld - Bank of America Merrill Lynch U.S. High Yield Master II; US Bonds - Barclays Capital U.S. Aggregate; Glb Bond - Barclays Capital Global Treasury ex US; REITs - NAREIT ALL REITs; Hdg Fnds - HFRI FOF: Diversified Index; Cash - Merrill Lynch 91-day Tbill . Data as of 9/30/2012 Source: Zephyr Associates.

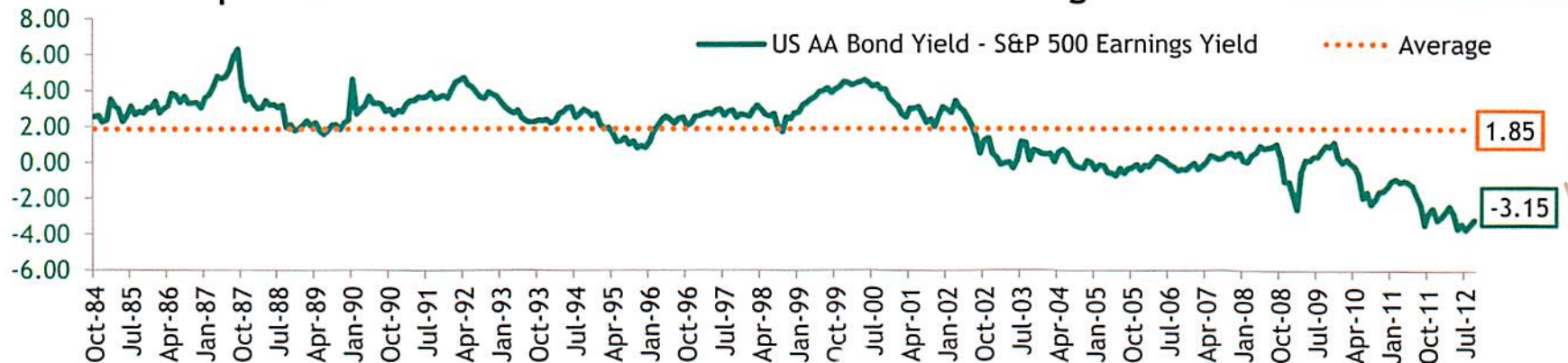


Earnings Yield vs Corporate Bond Yields



Stocks may be more attractively valued than corporate bonds.

Spread between AA Bond Yield and S&P 500 Earnings Yield

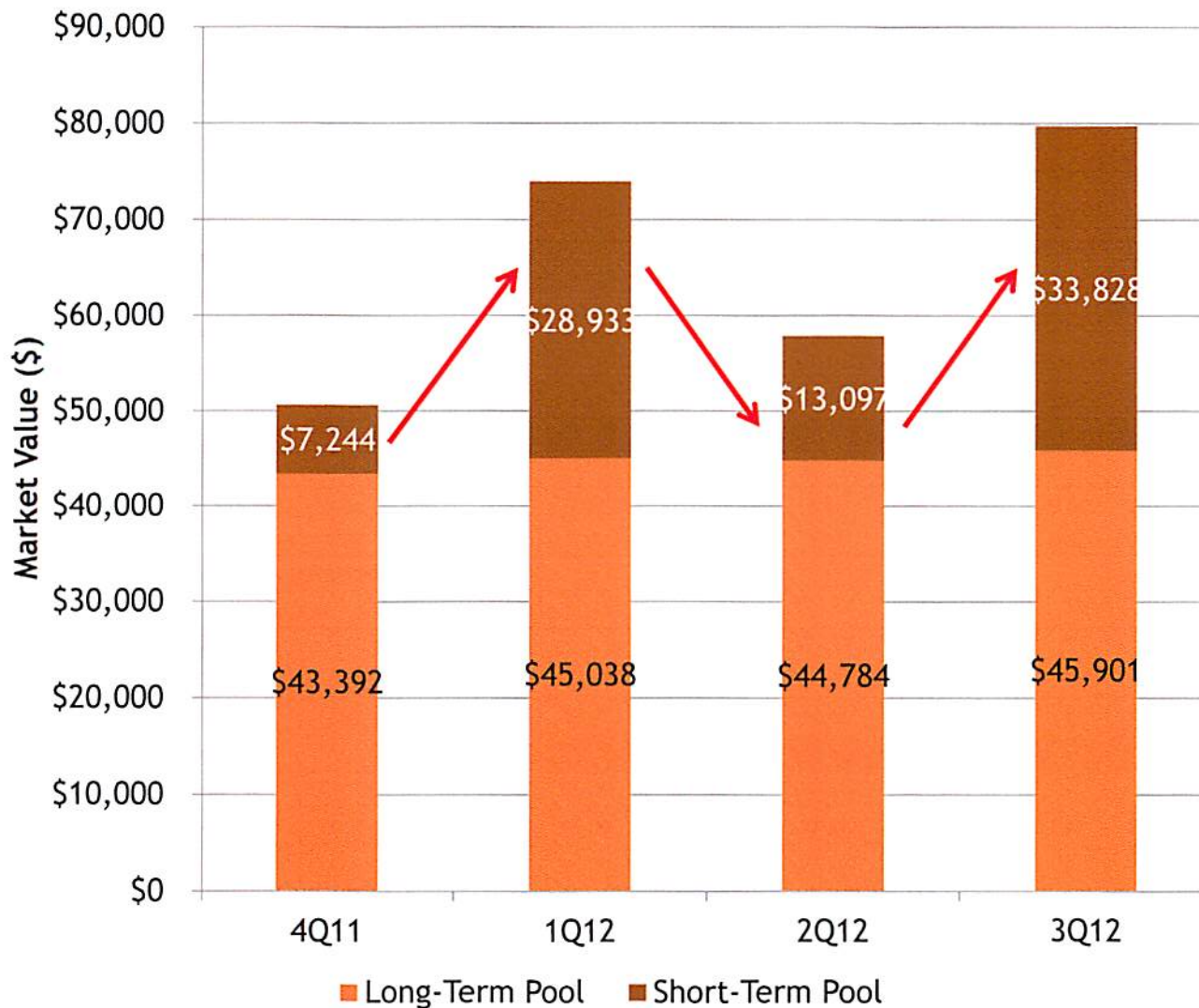




Non-Endowment Assets
Third Quarter Performance



Quarterly Market Values and Asset Allocation (as of 9/30/2012)



Total Plan:

- 42% Cash
- 43% Fixed Income
- 15% U.S. and Non-U.S. Equities

Long-Term Pool:
1-year Income + Price Appreciation = \$3.7 million

Performance Report Card and Asset Allocation (as of 9/30/2012)

	As of 9/30/2012			5 Year Periods Ended			3 Year Periods Ended			As of 9/30/2012					Market Value	% of Pool
	10 Yr	7 Yr	5 Yr	12/09	12/10	12/11	12/09	12/10	12/11	3 Yr	2 Yr	1 Yr	YTD	Qtr		
Total Plan																
Total University Assets		4.3%	4.0%	4.4%	4.9%	4.2%	4.8%	4.5%	4.2%	3.6%	3.0%	5.4%	3.6%	1.7%	\$79,728,675	
Policy Benchmark ¹	3.4%	3.6%	3.0%	4.0%	4.1%	3.4%	4.1%	3.1%	3.0%	2.5%	2.0%	4.1%	2.5%	1.1%		
Cash & Cash Equivalents																
Total Operating & Short Term Pool										0.1%	0.1%	0.1%	0.0%	0.0%	\$33,828,026	100.0%
Total Operating & Short Term Benchmark ²										0.2%	0.1%	0.1%	0.1%			
JPMorgan 100% U.S. Tr Sec MM I	1.6%	1.7%	0.5%	2.7%	2.1%	1.2%	2.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	\$30,325,388	89.6%
Merrill Lynch 91-Day T-Bill	1.8%	1.9%	0.7%	3.0%	2.4%	1.5%	2.4%	0.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%		
JPMorgan Sweep Account															\$2,967,959	8.8%
Vanguard Short-Term Federal Ac	3.6%	4.3%	4.1%	4.8%	5.1%	4.7%	5.8%	4.4%	3.0%	2.6%	1.9%	1.9%	1.5%	0.6%	\$534,679	1.6%
BarCap Government 1-5 Yr	3.5%	4.2%	4.0%	4.5%	4.9%	4.8%	5.7%	4.3%	2.6%	2.6%	1.8%	1.3%	0.9%	0.5%		
Long-Term/ Reserves Pool																
Total Long Term/ Reserves Pool										4.5%	8.8%	5.8%	2.5%		\$45,900,649	100.0%
Total Long Term/ Reserves Fund Benchmark ³										3.7%	8.1%	5.0%	2.1%			
Domestic Equity																
Total Domestic Equity										14.1%	29.3%	14.8%	5.9%		\$10,281,965	22.4%
Russell 3000	8.5%	4.6%	1.3%	0.8%	2.7%	0.0%	-5.4%	-2.0%	14.9%	13.3%	14.4%	30.2%	16.1%	6.2%		
TRP Instl US Structured Rsch								-2.2%	14.2%	12.5%	14.5%	30.1%	16.7%	6.3%	\$3,281,380	7.1%
S&P 500	8.0%	4.5%	1.1%	0.4%	2.3%	-0.3%	-5.6%	-2.9%	14.1%	13.2%	14.8%	30.2%	16.4%	6.4%		
Vanguard 500 Index Signal	8.0%	4.5%	1.1%	0.4%	2.3%	-0.2%	-5.6%	-2.8%	14.1%	13.2%	14.7%	30.2%	16.4%	6.3%	\$3,296,868	7.2%
S&P 500	8.0%	4.5%	1.1%	0.4%	2.3%	-0.3%	-5.6%	-2.9%	14.1%	13.2%	14.8%	30.2%	16.4%	6.4%		
Vanguard Mid Cap Index Signal	10.3%	5.0%	1.9%	2.3%	4.4%	1.3%	-4.6%	0.9%	20.0%	14.0%	12.1%	26.5%	12.8%	5.2%	\$1,854,299	4.0%
MSCI Mid Cap 450	10.3%	5.1%	1.9%	2.4%	4.4%	1.4%	-4.6%	0.9%	20.1%	14.1%	12.1%	26.5%	12.9%	5.2%		
Loomis Sayles Sm Growth Instl	11.7%	8.1%	3.8%	4.5%	8.2%	6.0%	-0.5%	1.4%	21.4%	18.3%	16.9%	27.3%	12.1%	5.3%	\$964,584	2.1%
Russell 2000 Growth	10.5%	5.5%	3.0%	0.9%	5.3%	2.1%	-4.0%	2.2%	19.0%	14.2%	13.9%	31.2%	14.1%	4.8%		
Munder Veracity Sm-Cap Value Y		5.3%	3.5%		5.7%	1.7%	-4.9%	6.2%	19.2%	12.8%	11.6%	29.7%	9.0%	4.4%	\$884,833	1.9%
Russell 2000 Value	9.7%	3.7%	1.3%	0.0%	3.5%	-1.9%	-8.2%	2.2%	12.4%	11.7%	11.7%	32.6%	14.4%	5.7%		

Performance Report Card and Asset Allocation (as of 9/30/2012)



	As of 9/30/2012			5 Year Periods Ended			3 Year Periods Ended			As of 9/30/2012					Market Value	% of Pool
	10 Yr	7 Yr	5 Yr	12/09	12/10	12/11	12/09	12/10	12/11	3 Yr	2 Yr	1 Yr	YTD	Qtr		
International Equity																
Total International Equity											-1.7%	14.3%	11.1%	7.6%	\$2,006,780	4.4%
MSCI EAFE	8.7%	2.3%	-4.8%	4.0%	2.9%	-4.3%	-5.6%	-6.6%	8.1%	2.6%	2.0%	14.3%	10.6%	7.0%		
William Blair Int'l Gr I	9.9%	3.6%	-4.1%	4.0%	3.7%	-3.5%	-6.8%	-6.3%	13.8%	7.9%	3.4%	21.8%	16.2%	7.8%	\$823,886	1.8%
MSCI EAFE	8.7%	2.3%	-4.8%	4.0%	2.9%	-4.3%	-5.6%	-6.6%	8.1%	2.6%	2.0%	14.3%	10.6%	7.0%		
Dodge & Cox Internat'l Stock	11.7%	3.2%	-3.7%	5.6%	5.0%	-3.5%	-4.2%	-3.7%	12.1%	2.7%	0.3%	15.7%	11.0%	7.4%	\$1,182,894	2.6%
MSCI EAFE	8.7%	2.3%	-4.8%	4.0%	2.9%	-4.3%	-5.6%	-6.6%	8.1%	2.6%	2.0%	14.3%	10.6%	7.0%		
Fixed Income																
Total Fixed Income											3.1%	3.7%	3.0%	1.2%	\$33,611,904	73.2%
Fixed Income Benchmark ⁴											2.4%	2.7%	2.2%	0.9%		
JPMorgan Core Bond Ultra	5.8%	6.6%	7.3%	5.6%	6.6%	7.2%	7.1%	7.2%	8.3%	6.9%	5.8%	6.0%	4.9%	1.8%	\$6,810,264	14.8%
BarCap Aggregate Bond	5.3%	5.9%	6.5%	5.0%	5.8%	6.5%	6.0%	5.9%	6.8%	6.2%	5.2%	5.2%	4.0%	1.6%		
YSU Intermediate Term Bond		5.9%	6.5%	5.4%	6.3%	6.4%	7.0%	6.7%	6.7%	5.3%	4.0%	5.8%	4.8%	1.8%	\$6,614,025	14.4%
BarCap Govt/Credit Int Bond	4.8%	5.4%	5.7%	4.7%	5.5%	5.9%	5.9%	5.4%	5.6%	5.2%	3.9%	4.4%	3.5%	1.4%		
YSU Short Term Bond		4.0%	3.7%	4.6%	4.8%	4.2%	5.4%	4.3%	3.6%	2.3%	1.7%	2.2%	1.8%	0.8%	\$14,855,677	32.4%
ML Corp/Govt 1-3 Yrs	3.2%	3.7%	3.3%	4.3%	4.5%	3.9%	5.1%	3.8%	2.7%	2.0%	1.4%	1.5%	1.3%	0.6%		
Vanguard Short-Term Bond Instl												2.4%	1.9%	0.9%	\$5,331,937	11.6%
BarCap 1-5 Yr. Govt/Credit	3.9%	4.4%	4.3%	4.5%	5.1%	4.8%	5.7%	4.6%	3.9%	3.2%	2.3%	2.5%	2.0%	0.9%		

¹ Policy Benchmark: 10% Russell 3000/ 2.5% MSCI EAFE/ 27.5% BarCap Gov 1-3 Yr/ 15% BarCap Int Gov/Credit/ 45% ML 91-Day T-Bill

² Total Operating & Short-Term Benchmark: 5% BarCap Gov 1-3 Yr/ 95% ML 91-Day T-Bill

³ Total Long-Term/ Reserves Fund Benchmark: 20% Russell 3000/ 5% MSCI EAFE/ 30% BarCap Int. Gov/Credit/ 45% BarCap 1-3 Year Gov

⁴ Fixed Income Benchmark: 60% ML Corp/Govt 1-3 Yrs/ 40% BarCap Govt/Credit Int Bond



Asset Allocation Considerations

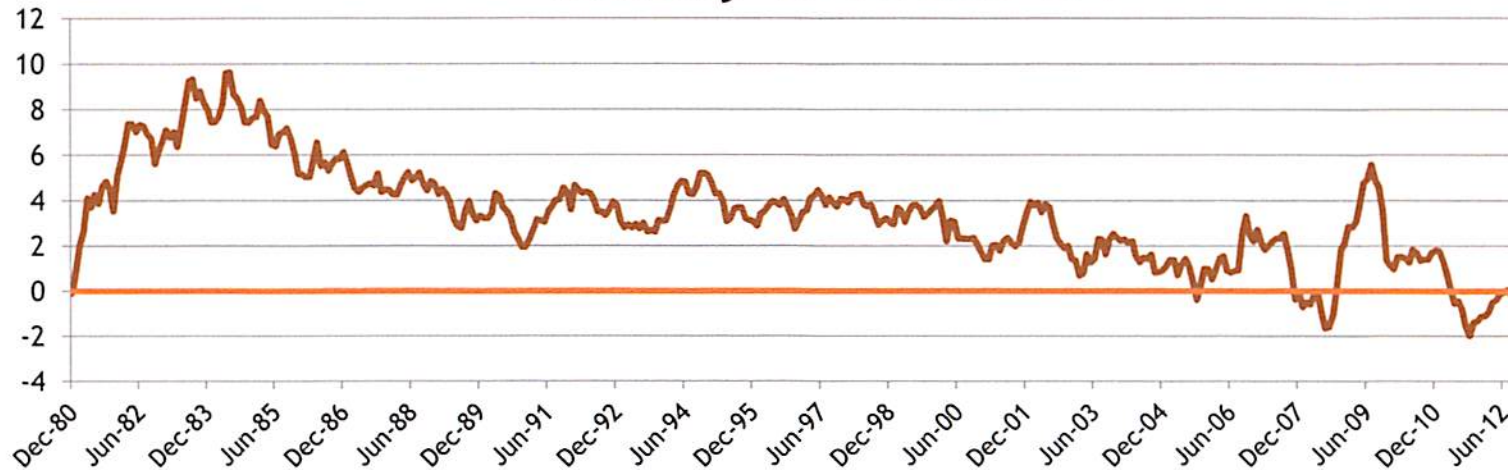




- Historically low interest rates
- Possible inflation
- Fed Policy
- Spread levels
- Low coupon yield to off-set potential impact of rising interest rates



Treasury 10-YR Less CPI



Negative "real" yields.

One Year Change in Nominal Interest Rates

	Down 50 bps	Down 25 bps	No Change	Up 25 bps	Up 50 bps
High Yield Corp.	8.53%	7.52%	6.51%	5.50%	4.49%
Intermediate Corp.	4.43%	3.28%	2.14%	1.00%	-0.15%
3-YR TSY	1.28%	0.79%	0.31%	-0.18%	-0.66%
5-YR TSY	2.55%	1.59%	0.63%	-0.33%	-1.28%
10-Yr TSY	5.74%	3.67%	1.63%	-0.38%	-2.37%

Yield cushion is thinning.

A 50bp increase in rates would result in a loss on the ten-year treasury.

Change in return is calculated using both index duration and yield as of 9/30/2012 ((change in rates*duration)+yield).

Past performance is no guarantee of future results. High Yield Corp - Barclay's High Yield Corporate Index; Intermediate Corp - Barclay's Intermediate Corporate Index; 3-Yr, 5-Yr & 10-Yr TSY represent constant maturity treasuries. Data as of 9/28/2012 Source: Bloomberg



Risk/Return: Historical vs. Projected



Asset Class	Average YSU Allocations*	Historical Returns**	Historical Risk (Standard Deviation)**	Projected Returns**	Projected Risk (Standard Deviation)**
Cash	23%	3.2%	0.6%	0.7%	0.7%
Short-Term Fixed Income	35%	4.6%	1.6%	0.9%	1.7%
Intermediate-Term Fixed Income	23%	6.3%	3.7%	1.3%	3.7%
Domestic Equity	15%	9.2%	15.5%	8.1%	15.4%
International Equity	4%	9.5%	17.1%	8.5%	17.8%

The YSU Non-Endowment assets have historically held approximately 80% in cash and fixed income.

*7-year historical averages as of 9/30/2012. YSU's Short-Term Pool + Long-Term Pool.

**Source = Zephyr; historical risk/return data of major market indices in each asset class; the common period begins September 1993; past performance is not a guarantee of future results. Source of the projected risk/return analysis is the Black-Litterman Model (risk free rate = 3-month Treasury yield of 0.5%; equity risk premium = 50-year U.S. Bond of 4.6%).



For the 7-years ending 9/30/12, the YSU Non-Endowment portfolio has returned **4.3%** (net of fees) on an annualized basis with volatility of **2.2%** (standard deviation).

The maximum drawdown during this period was -2.4% (6/2011-9/2011).

Portfolio projections differ from the historical results:

	Projected Long-term Return**	Projected Risk (Standard Deviation)**	Projected Worst Case Return**	Projected Best Case Return**
YSU Non-Endowment Assets (19% equities/81% cash and bonds)*	2.3%	3.4%	-4.2%	9.1%
“Endowment” Type Asset Allocation (50% equities/20% alternatives/30% bonds)	5.2%	9.0%	-11.4%	23.9%

*7-year historical averages as of 9/30/2012. YSU's Short-Term Pool + Long-Term Pool.

**Source = Zephyr; historical risk/return data of major market indices in each asset class; the common period begins September 1993; past performance is not a guarantee of future results. Source of the projected risk/return analysis is the Black-Litterman Model (risk free rate = 3-month Treasury yield of 0.5%; equity risk premium = 50-year U.S. Bond of 4.6%).



Fixed income investors face challenges.

The YSU Non-Endowment portfolio has on average approx. 80% of assets in cash and fixed income strategies.

The use of separate account vehicles and active managers within short-term and intermediate-term fixed income, as YSU utilizes, may provide a more agile portfolio to better navigate fixed income challenges.

Over the past 7-years, total distributions from the long-term pool have been approx. \$8 million.

Changes with an institution's objectives or financial profile may warrant a change in investment strategy; changes in markets should not necessarily drive changes to investment strategy.

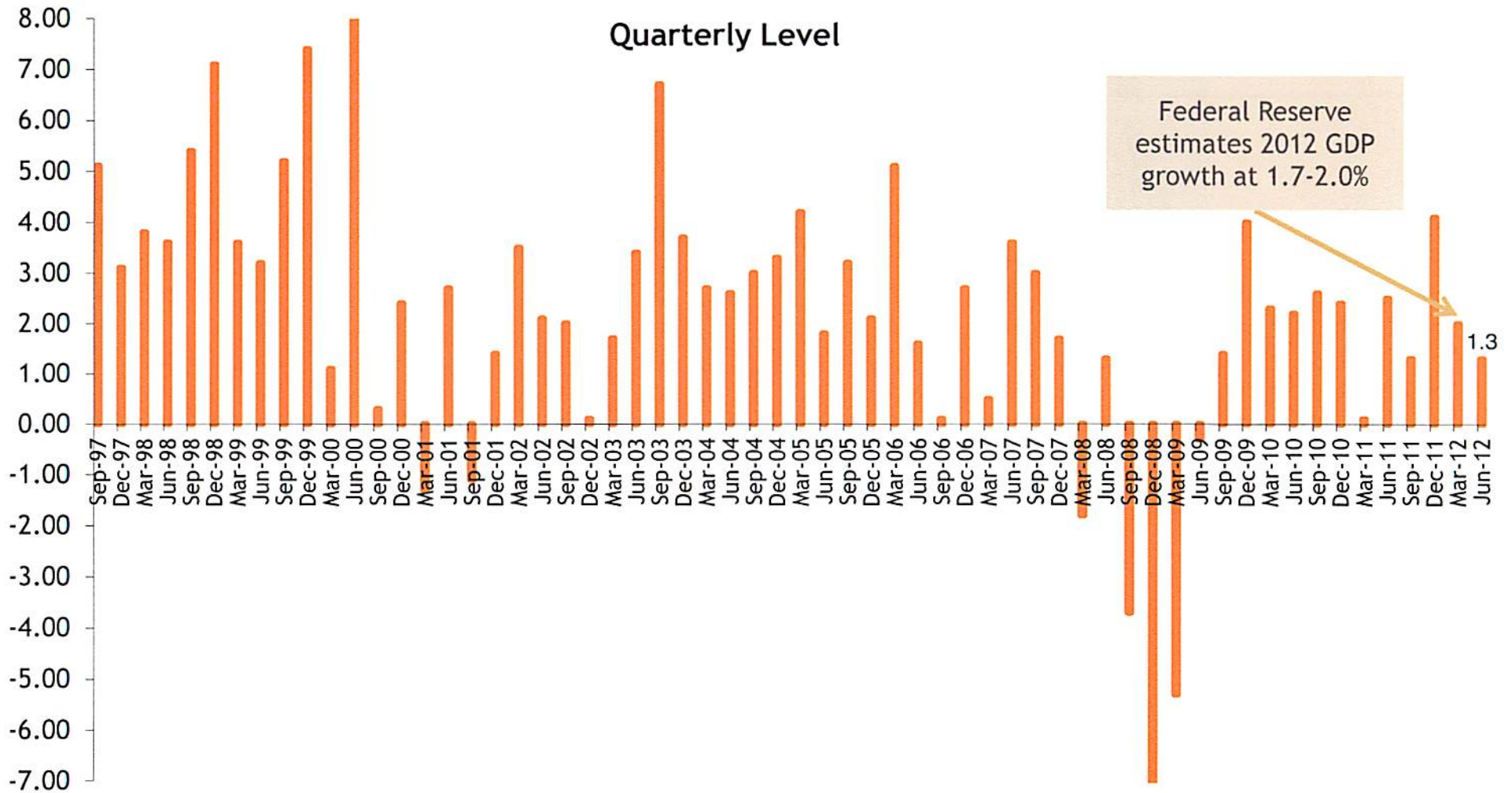
If YSU's risk tolerance, liquidity needs, spending/cash flow projections, and strategic need for the Non-Endowment assets have not changed, then the current investment strategy remains appropriate.

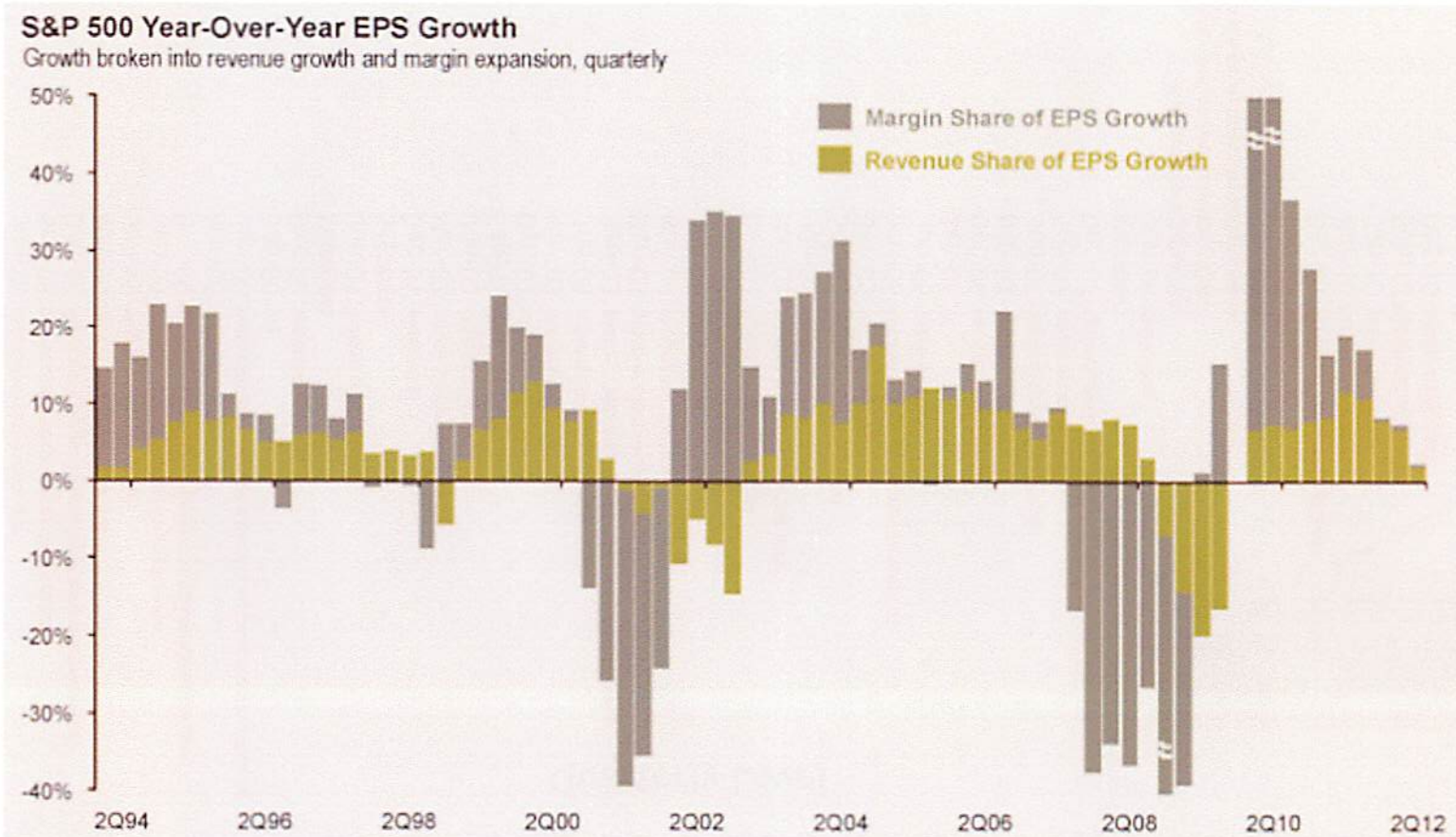
If characteristics of YSU have changed, or the objectives for the Non-Endowment assets have changed, then a review of investment strategy and asset allocation may be warranted.



Appendix









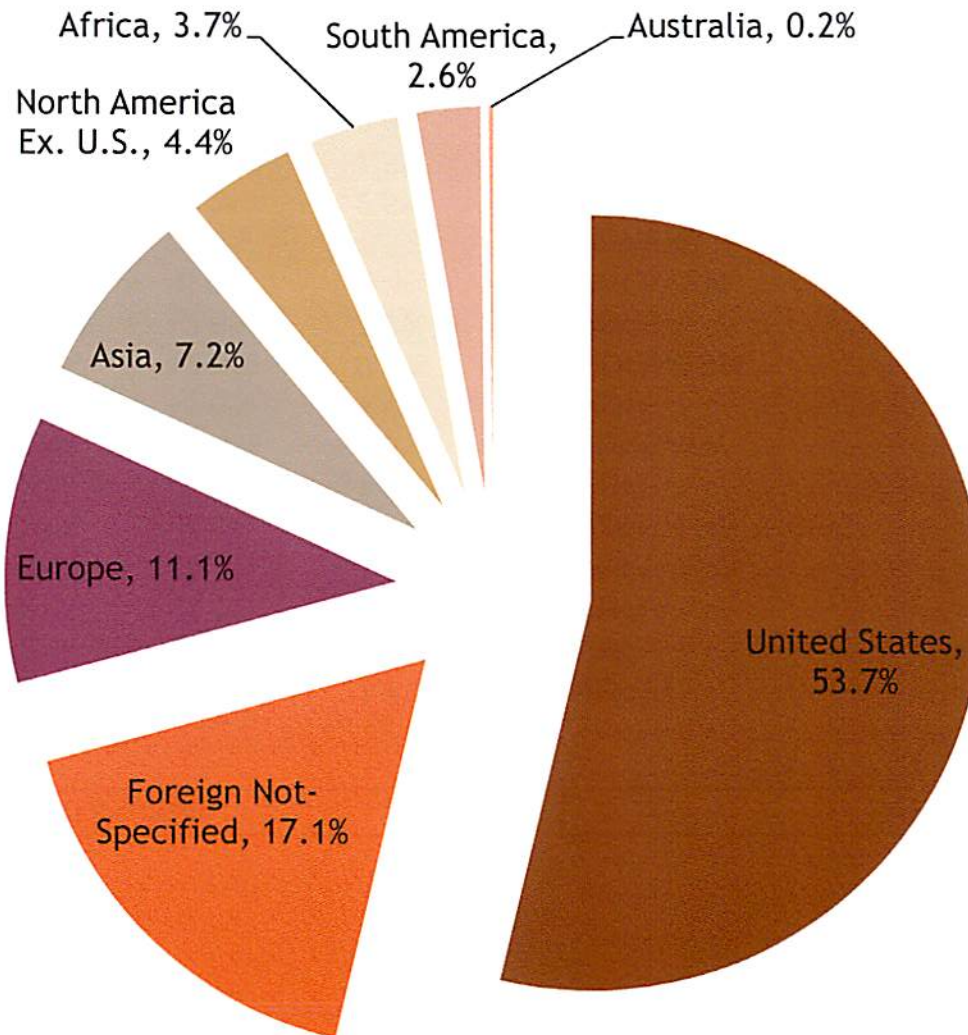
Core Elements of Reform

- Aggressive intervention by ECB and other monetary authorities
- Accelerate fiscal integration of the euro zone
- Some form of euro zone deposit insurance
- Some form of euro zone sovereign debt mutualization





S&P 500 Sales by Geography



Global slow down will hurt U.S. corporate sales



Developed Markets

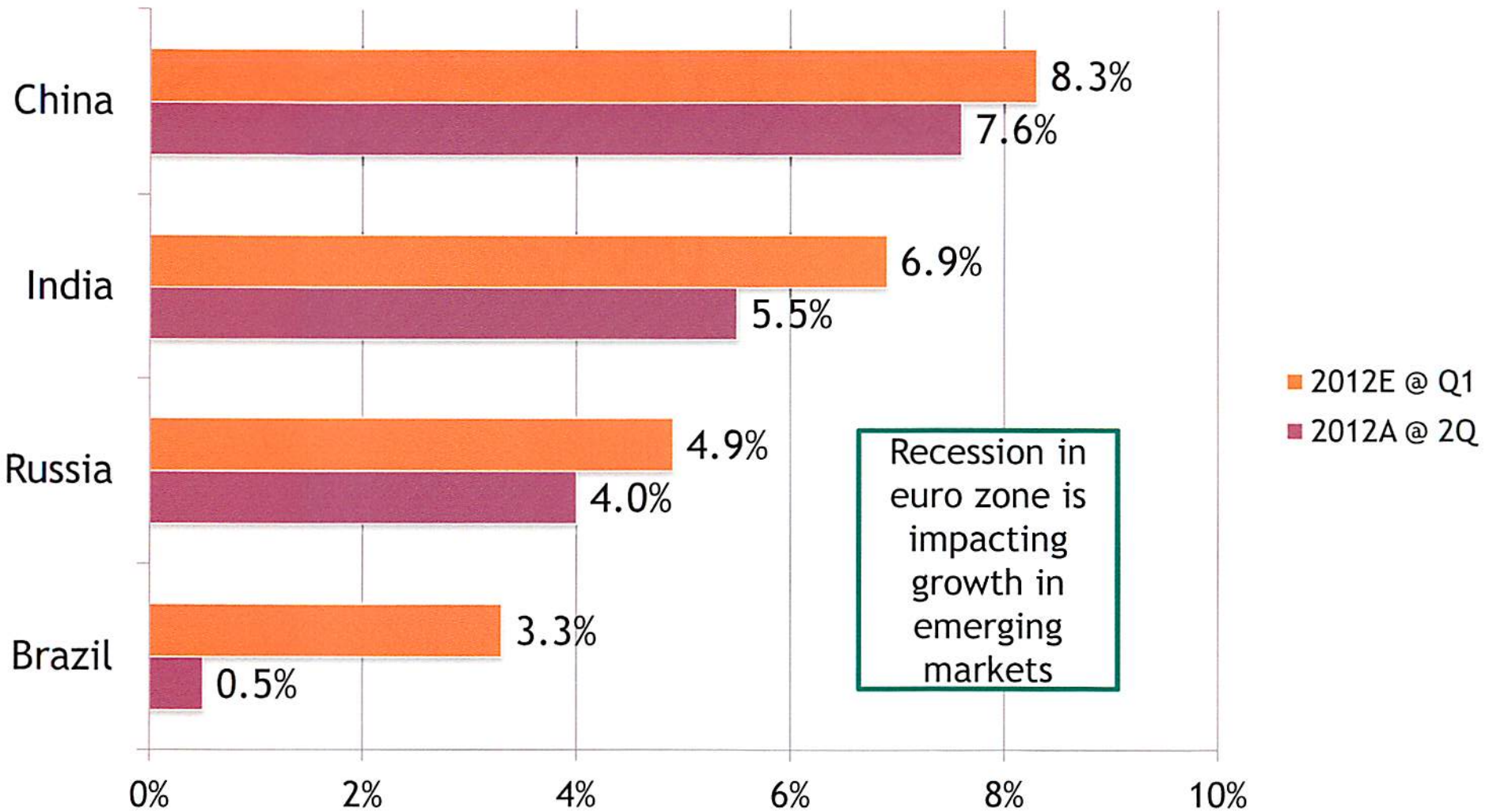
	USD Return	Local Return	dif
AUSTRALIA	10.5%	8.9%	1.6%
AUSTRIA	7.3%	5.8%	1.5%
BELGIUM	10.1%	8.7%	1.5%
DENMARK	11.3%	10.1%	1.2%
FINLAND	10.6%	9.1%	1.5%
FRANCE	7.4%	5.9%	1.5%
GERMANY	13.9%	12.4%	1.6%
GREECE	0.3%	-1.0%	1.4%
HONG KONG	12.5%	12.5%	0.1%
IRELAND	-1.5%	-2.8%	1.3%
ISRAEL	6.4%	6.9%	-0.4%
ITALY	7.6%	6.2%	1.5%
JAPAN	-0.8%	-3.2%	2.5%
NETHERLANDS	9.2%	7.8%	1.5%
NEW ZEALAND	15.8%	12.1%	3.8%
NORWAY	13.6%	9.4%	4.2%
PORTUGAL	13.1%	11.5%	1.5%
SINGAPORE	10.6%	7.2%	3.4%
SPAIN	11.5%	10.0%	1.5%
SWEDEN	10.6%	5.1%	5.5%
SWITZERLAND	7.8%	7.0%	0.8%
UNITED KINGDOM	7.1%	4.0%	3.1%

EAFE	7.0%	4.7%	2.3%
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Emerging Markets

	USD Return	Local Return	dif
BRAZIL	4.8%	5.3%	-0.5%
CHILE	1.3%	-4.4%	5.6%
CHINA	4.7%	4.7%	0.1%
COLOMBIA	2.3%	3.2%	-0.9%
CZECH REPUBLIC	10.4%	7.5%	2.9%
EGYPT	22.6%	23.4%	-0.7%
HUNGARY	9.6%	7.8%	1.8%
INDIA	15.4%	9.0%	6.4%
INDONESIA	7.5%	9.5%	-2.0%
KOREA	9.9%	6.6%	3.3%
MALAYSIA	5.3%	1.4%	3.9%
MEXICO	6.8%	2.2%	4.5%
MOROCCO	-3.3%	-4.4%	1.1%
PERU	2.9%	2.6%	0.3%
PHILIPPINES	4.5%	3.4%	1.0%
POLAND	13.2%	8.7%	4.5%
RUSSIA	9.4%	6.0%	3.4%
SOUTH AFRICA	6.6%	7.6%	-1.0%
TAWAN	11.8%	9.7%	2.1%
THAILAND	11.3%	7.8%	3.4%
TURKEY	8.2%	7.4%	0.8%

EM (EMERGING MARKETS)	7.9%	6.1%	1.8%
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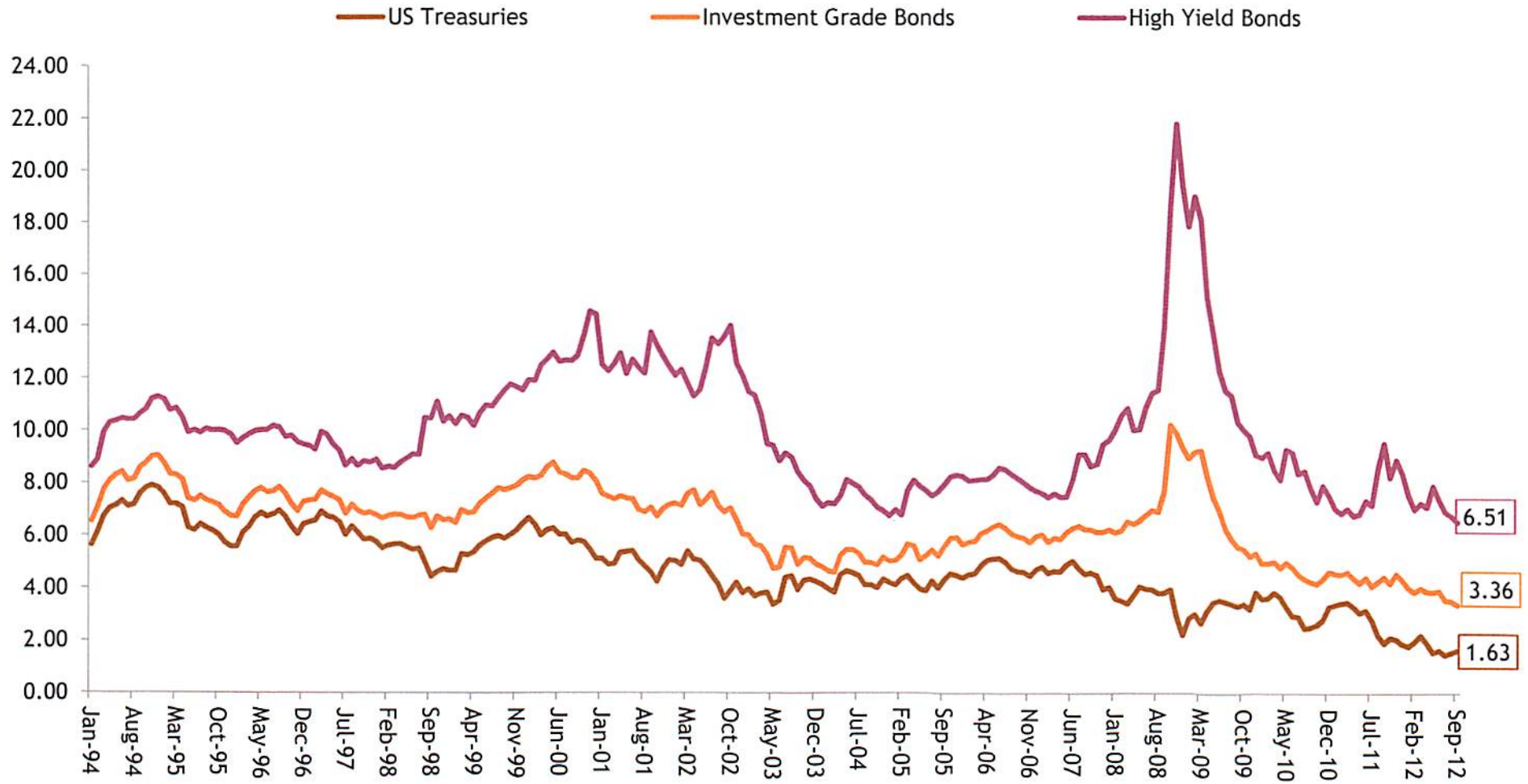




Corporate Spreads: Inv. Grade and HY to 10 Yr. Treasuries



Historical Bond Yields



Past performance is no guarantee of future results. US Treasuries - BarCap US Gov't 10-Yr Treasury; Investment Grade Bonds - BarCap BAA Corp; High Yield Bonds - BarCap US High Yield. Source: Bloomberg



The Barclays Capital® (BC) U.S. Treasury Index is designed to cover public obligations of the U.S. Treasury with a remaining maturity of one year or more. The BC Aggregate Bond Index is an unmanaged, market value-weighted performance benchmark for investment-grade fixed-rate debt issues, including government, corporate, asset-backed, and mortgage-backed securities with maturities of at least one year. The BC U.S. Credit Bond Index is designed to cover publicly issued U.S. corporate and specified foreign debentures and secured notes that meet the specified maturity, liquidity, and quality requirements; bonds must be SEC-registered to qualify. The BC U.S. Agency Index is designed to cover publicly issued debt of U.S. Government agencies, quasi-federal corporations, and corporate or foreign debt guaranteed by the U.S. Government. The BC CMBS Index is designed to mirror commercial mortgage-backed securities of investment-grade quality (Baa3/BBB-/BBB- or above) using Moody's, S&P, and Fitch respectively, with maturity of at least one year. The BC MBS Index covers agency mortgage-backed pass-through securities (both fixed-rate and hybrid ARMs) issued by Ginnie Mae (GNMA), Fannie Mae (FNMA), and Freddie Mac (FHLMC). The BC U.S. Municipal Bond Index covers the U.S. dollar-denominated, long-term tax-exempt bond market with four main sectors: state and local general obligation bonds, revenue bonds, insured bonds, and pre-refunded bonds. The BC TIPS Index is an unmanaged market index made up of U.S. Treasury Inflation Linked Index securities. The BC U.S. Government Bond Index is a market value-weighted index of U.S. Government fixed-rate debt issues with maturities of one year or more. The BC ABS Index is a market value-weighted index that covers fixed-rate asset-backed securities with average lives greater than or equal to one year and that are part of a public deal; the index covers the following collateral types: credit cards, autos, home equity loans, stranded-cost utility (rate-reduction bonds), and manufactured housing. The BC Global Aggregate Index is composed of three sub-indices; the U.S. Aggregate Index, Pan-European Aggregate Index, and the Asian-Pacific Aggregate Index. In aggregate the index is created to be a broad-based measure of the performance of investment grade fixed rate debt on a global scale. The BC US Corporate Long Aa Index is an unmanaged index representing public obligations of U.S. corporate and specified foreign debentures and secured notes with a remaining maturity of 10 years or more. The BC U.S. Corporate High-Yield Index measures the market of USD-denominated, non-investment grade, fixed-rate, taxable corporate bonds. The BC Intermediate Corporate Index includes dollar-denominated debt from U.S. and non-U.S. industrial, utility, and financial institutions issuers with a duration of 1-10 years. The BC U.S. Treasury Long Index is an unmanaged index representing public obligations of the U.S. Treasury with a remaining maturity of one year or more. The BC U.S. Government 10 Year Treasury Index measures the performance of U.S. Treasury securities that have a remaining maturity of less than 10 years. The BC BAA Corporate Index measures the performance of the taxable Baa rated fixed-rate U.S. dollar-denominated corporate bond market. The BC Global Treasury ex US Index includes government bonds issued by investment-grade countries outside the United States, in local currencies, that have a remaining maturity of one year or more and are rated investment grade or higher. The BC Emerging Market Bond Index is an unmanaged index that total returns for external-currency-denominated debt instruments of the emerging markets. The BC U.S. Securitized Bond Index is a composite of asset-backed securities, collateralized mortgage-backed securities (ERISA-eligible) and fixed rate mortgage-backed securities. The BC Quality Distribution AAA, B, and CC-D Indices measure the respective credit qualities of U.S. corporate and specified foreign debentures and secured notes. The BC Universal Index represents the union of the U.S. Aggregate Index, the U.S. High Yield Corporate Index, the 144A Index, the Eurodollar Index, the Emerging Markets Index, and the non-ERISA portion of the CMBS Index. The BC 1-3 Year Government Credit Index is an unmanaged index considered representative of performance of short-term U.S. corporate bonds and U.S. government bonds with maturities from one to three years. The BC Long-term Government Index is an unmanaged index reflecting performance of the long-term government bond market. The BC Intermediate Aggregate Index measures the performance of intermediate-term investment grade bonds. The BC Intermediate 1-3 Year Government/Credit Index measures the performance of U.S. Dollar denominated U.S. Treasuries, government-related and investment grade U.S. corporate securities that have a remaining maturity of greater than one year and less than ten years.

The Bank of America ML U.S. High Yield Index tracks the performance of below investment grade US Dollar Denominated corporate bonds publicly issued in the US market. Qualifying bonds have at least one year remaining term to maturity, are fixed coupon schedule and minimum outstanding of \$100 million.

Signal Identification Model (SIM) - The balance between fixed income and equity securities is guided by a proprietary, quantitative modeling technique we call "SIM". SIM is a four factor model that measures short-term under or over-valuation of equity markets. When SIM is negative, for example, the Investment Review Committee (IRC) may recommend that Consultants reduce equity ratios within prescribed ranges in client portfolios; when positive, that Consultants increase equity ratios within prescribed ranges. Other judgments, such as short-term, relative weights between different asset classes often come from fundamental assessments of IRC members. Unemployment - Total labor force seasonally adjusted (U.S. Bureau of Labor Statistics'); ISM - An index based on surveys of more than 300 manufacturing firms by the Institute of Supply Management; Spread - indicates the difference in yield between Moody's AAA corporate bonds and Moody's BAA corporate bonds; S&P Earnings Yield - earnings per share for the most recent 12-month period divided by the current market price per share of the stocks in the S&P 500.

Hartland Research Portfolio (HPR) - Our Optimal Long-Term Strategic Asset Allocation, called the Hartland Research Portfolio, sets forth our best thinking on the mix of different asset classes; it is the benchmark we use in considering appropriate asset allocation for all client portfolios. The Hartland Research Portfolio is developed with two major inputs. One is quantitative, based on the Black-Litterman model, and one is qualitative, based on the input of the professionals on our Investment Research Committee (IRC). The Hartland & Co. research team begins with the Black-Litterman model, a mathematical model that seeks asset allocations that are optimal; those that produce the best results with the lowest level of volatility or risk. Black-Litterman is more dynamic than other models and builds on traditional mean-variance techniques to create stable and consistent return forecasts for a set of asset classes. The IRC assess the quantitative output from Black-Litterman and integrate it with their own fundamental or qualitative judgments. The result is the Hartland Research Portfolio, which combines quantitative and qualitative inputs and our capital market projections.

The HFRI Funds of Funds Index (HFRI FOF) is an equal weighted index designed to measure the performance of hedge fund of fund managers. The more than 800 multi-strategy constituents are required to have at least \$50 million in assets under management and a trading track record spanning at least 12 months. The index includes both on and offshore funds and all returns are reported in USD

The NCREIF Property Index (NPI) represents quarterly time series composite total rate of return measure of a very large pool of individual commercial real estate properties acquired in the private market. The index represents apartments, hotels, industrial properties, office buildings and retail properties which are at least 60% occupied and owned or controlled, at least in part by tax-exempt institutional investors or its designated agent. In addition these properties that are included must be investment grade, non-agricultural and income producing and all development projects are excluded. Constituents included in the NPI be valued at least quarterly, either internally or externally, using standard commercial real estate appraisal methodology. Each property must be independently appraised a minimum of once every three years.

The FTSE NAREIT All REITs Index is a market capitalization-weighted index that is designed to measure the performance of all tax-qualified Real Estate Investment Trusts (REITs) that are listed on the New York Stock Exchange, the American Stock Exchange, or the NASDAQ National Market List.

The Dow Jones U.S. Select Real Estate Securities Index is a float-adjusted market capitalization-weighted index of publicly traded real estate securities such as real estate investment trusts (REITs) and real estate operating companies (REOCs).



Disclosures



Information provided is general in nature, is provided for informational purposes only, and should not be construed as investment advice. Any views expressed are based upon the data available at the time the information was produced and are subject to change at any time based on market or other conditions. Hartland disclaims any liability for any direct or incidental loss incurred by applying any of the information in this presentation. All investment decisions must be evaluated as to whether it is consistent with their investment objectives, risk tolerance, and financial situation.

Past performance is no guarantee of future results. Investing involves risk, including risk of loss. Diversification does not ensure a profit or guarantee against loss.

All indices are unmanaged and performance of the indices includes reinvestment of dividends and interest income and, unless otherwise noted. An investment cannot be made in any index.

Although bonds generally present less short-term risk and volatility than stocks, bonds do contain interest rate risk (as interest rates rise, bond prices usually fall and vice versa) and the risk of default, or the risk that an issuer will be unable to make income or principal payments. Additionally, bonds and short-term investments entail greater inflation risk, or the risk that the return of an investment will not keep up with increases in the prices of goods and services, than stocks.

Lower-quality debt securities generally offer higher yields, but also involve greater risk of default or price changes due to potential changes in the credit quality of the issuer. Any fixed income security sold or redeemed prior to maturity may be subject to loss.

The municipal market is volatile and can be significantly affected by adverse tax, legislative, or political changes and by the financial condition of the issuers of municipal securities. Interest rate increases can cause the price of a debt security to decrease. A portion of the dividends you receive may be subject to federal, state, or local income tax or may be subject to the federal alternative minimum tax. Generally, tax-exempt municipal securities are not appropriate holdings for tax advantaged accounts such as IRAs and 401(k)s.

Stock markets, especially foreign markets, are volatile and can decline significantly in response to adverse issuer, political, regulatory, market, or economic developments. Foreign securities are subject to interest-rate, currency-exchange-rate, economic, and political risks, all of which are magnified in emerging markets. The securities of smaller, less well-known companies can be more volatile than those of larger companies. Growth stocks can perform differently from the market as a whole and other types of stocks and can be more volatile than other types of stocks. Value stocks can perform differently than other types of stocks and can continue to be undervalued by the market for long periods of time.

The commodities industry can be significantly affected by commodity prices, world events, import controls, worldwide competition, government regulations, and economic conditions.

Changes in real estate values or economic conditions can have a positive or negative effect on issuers in the real estate industry, which may affect your investment.

Index Definitions:

The **S&P 500 Index** is a broad-based market index, comprised of 500 large-cap companies, generally considered representative of the stock market as a whole. The **S&P 400 Index** is an unmanaged index considered representative of mid-sized U.S. companies. The **S&P 600 Index** is a market-value weighted index that consists of 600 small-cap U.S. stocks chosen for market size, liquidity and industry group representation.

The **Russell 1000 Value Index**, **Russell 1000 Index** and **Russell 1000 Growth Index** are indices that measure the performance of large-capitalization value stocks, large-capitalization stocks and large-capitalization growth stocks, respectively. The **Russell 2000 Value Index**, **Russell 2000 Index** and **Russell 2000 Growth Index** are indices that measure the performance of small-capitalization value stocks, small-capitalization stocks and small-capitalization growth stocks, respectively. The **Russell Midcap Value Index**, **Russell Midcap Index** and **Russell Midcap Growth Index** are indices that measure the performance of mid-capitalization value stocks, mid-capitalization stocks and mid-capitalization growth stocks, respectively. The **Russell 2500 Value Index**, **Russell 2500 Index** and **Russell 2500 Growth Index** measure the performance of small to mid-cap value stocks, small to mid-cap stocks and small to mid-cap growth stocks, respectively, commonly referred to as "smid" cap. The **Russell 3000 Value Index**, **Russell 3000 Index** and **Russell 3000 Growth Index** measure the performance of the 3,000 largest U.S. value stocks, 3,000 largest U.S. stocks and 3,000 largest U.S. growth stocks, respectively, based on total market capitalization.

The **Wilshire 5000 Index** represents the broadest index for the U.S. equity market, measuring the performance of all U.S. equity securities with readily available price data. The **Wilshire Micro Cap Index** is a market capitalization-weighted index comprised of all stocks in the Wilshire 5000 Index below the 2,501st rank.

The **MSCI EAFE (Europe, Australasia, Far East) Index** is designed to measure developed market equity performance, excluding the U.S. and Canada. The **MSCI Emerging Markets (EM) Index** is designed to measure global emerging market equity performance. The **MSCI World Index** is designed to measure global developed market equity performance. The **MSCI World Index Ex-U.S. Index** is designed to measure the equity market performance of developed markets and excludes the U.S. The **MSCI Europe Index** is an unmanaged index considered representative of developed European countries. The **MSCI Japan Index** is an unmanaged index considered representative of stocks of Japan. The **MSCI Pacific ex. Japan Index** is an unmanaged index considered representative of stocks of Asia Pacific countries excluding Japan.

The **U.S. 10-Year treasury Yield** is generally considered to be a barometer for long-term interest rates.

Merrill Lynch 91-day T-bill index includes U.S. Treasury bills with a remaining maturity from 1 up to 3 months.



- Voting Proxies (delivered to YSU)
- N/A Commission Recapture
- Investment Policy Statement (reviewed 2Q12)
- Fee Review (reviewed 3Q12)



	2012 YTD			2011			2010		
	Value	Core	Growth	Value	Core	Growth	Value	Core	Growth
Large	15%	21%	40%	38%	15%	9%	24%	30%	38%
Mid	27%	26%	38%	30%	26%	31%	21%	30%	40%
Small	23%	23%	42%	67%	55%	48%	69%	36%	37%

	2009			2008			2007		
	Value	Core	Growth	Value	Core	Growth	Value	Core	Growth
Large	68%	56%	38%	58%	39%	35%	72%	54%	62%
Mid	54%	26%	26%	55%	67%	57%	78%	51%	76%
Small	88%	61%	52%	35%	46%	28%	84%	57%	64%

Past performance is no guarantee of future results. The above styles are represented by the following indexes: Large Value - Russell 1000 Value; Large Core - Russell 1000; Large Growth - Russell 1000 Growth; Mid Value - Russell MidCap Value; Mid Core - Russell MidCap; Mid Growth - Russell MidCap Growth; Small Value - Russell 2000 Value; Small Core - Russell 2000; Small Growth - Russell 2000 Growth. Data as of 9/30/2012 Source: Zephyr Associates

50 - 100%	Managers Outperformed Index
0 - 50%	Managers Underperformed Index



The **Cambridge PE Index** is a representation of returns for over 70% of the total dollars raised by U.S. leveraged buyout, subordinated debt and special situation managers from 1986 to December 2007. Returns are calculated based on the pooled time weighted return and are net of all fees. These pooled means represent the end to end rate of return calculated on the aggregate of all cash flows and market values reported by the general partners of the underlying constituents in the quarterly and annual reports.

The **University of Michigan Consumer Sentiment Index** is a consumer confidence index published monthly by the University of Michigan and Thomson Reuters. The index is normalized to have a value of 100 in December 1964.

VIX - The CBOE Volatility Index (VIX) is based on the prices of eight S&P 500 index put and call options.

Gold - represented by the dollar spot price of one troy ounce

WTI Crude - West Texas Intermediate is a grade of crude oil used as a benchmark in oil pricing.

The **Affordability Index** measures of a population's ability to afford to purchase a particular item, such as a house, indexed to the population's income

The **Homeownership %** is computed by dividing the number of owner-occupied housing units by the number of occupied housing units or households.

HFRI Emerging Markets: Asia ex-Japan, Global Index, Latin America Index, Russia/Eastern Europe Index: The constituents of the HFRI Emerging Markets Indices are selected according to their Regional Investment Focus only. There is no Investment Strategy criteria for inclusion in these indices. Funds classified as Emerging Markets have a regional investment focus in one of the following geographic areas: Asia ex-Japan, Russia/Eastern Europe, Latin America, Africa or the Middle East. **HFRI EH: Energy/Basic Materials** strategies which employ investment processes designed to identify opportunities in securities in specific niche areas of the market in which the Manager maintains a level of expertise which exceeds that of a market generalist. **HFRI EH: Equity Market Neutral** strategies employ sophisticated quantitative techniques of analyzing price data to ascertain information about future price movement and relationships between securities, select securities for purchase and sale. **HFRI EH: Quantitative Directional** strategies employ sophisticated quantitative techniques of analyzing price data to ascertain information about future price movement and relationships between securities, select securities for purchase and sale. **HFRI EH: Short-Biased** strategies employ analytical techniques in which the investment thesis is predicated on assessment of the valuation characteristics on the underlying companies with the goal of identifying overvalued companies. **HFRI EH: Technology/Healthcare** strategies employ investment processes designed to identify opportunities in securities in specific niche areas of the market in which the Manager maintain a level of expertise which exceeds that of a market generalist in identifying opportunities in companies engaged in all development, production and application of technology, biotechnology and as related to production of pharmaceuticals and healthcare industry. **HFRI ED: Distressed Restructuring** strategies which employ an investment process focused on corporate fixed income instruments, primarily on corporate credit instruments of companies trading at significant discounts to their value at issuance or obliged (par value) at maturity as a result of either formal bankruptcy proceeding or financial market perception of near term proceedings. **HFRI ED: Merger Arbitrage** strategies which employ an investment process primarily focused on opportunities in equity and equity related instruments of companies which are currently engaged in a corporate transaction. **HFRI ED: Private Issue/Regulation D** strategies which employ an investment process primarily focused on opportunities in equity and equity related instruments of companies which are primarily private and illiquid in nature. **HFRI Macro: Systematic Diversified** strategies have investment processes typically as function of mathematical, algorithmic and technical models, with little or no influence of individuals over the portfolio positioning. **HFRI RV: Fixed Income - Asset Backed** includes strategies in which the investment thesis is predicated on realization of a spread between related instruments in which one or multiple components of the spread is a fixed income instrument backed physical collateral or other financial obligations (loans, credit cards) other than those of a specific corporation. **HFRI RV: Fixed Income - Convertible Arbitrage** includes strategies in which the investment thesis is predicated on realization of a spread between related instruments in which one or multiple components of the spread is a convertible fixed income instrument. **HFRI RV: Fixed Income - Corporate** includes strategies in which the investment thesis is predicated on realization of a spread between related instruments in which one or multiple components of the spread is a corporate fixed income instrument. **HFRI RV: Multi-Strategies** employ an investment thesis is predicated on realization of a spread between related yield instruments in which one or multiple components of the spread contains a fixed income, derivative, equity, real estate, MLP or combination of these or other instruments. **HFRI RV: Yield Alternatives Index** strategies employ an investment thesis is predicated on realization of a spread between related instruments in which one or multiple components of the spread contains a derivative, equity, real estate, MLP or combination of these or other instruments. Strategies are typically quantitatively driven to measure the existing relationship between instruments and, in some cases, identify attractive positions in which the risk adjusted spread between these instruments represents an attractive opportunity for the investment manager.

The **Consumer Price Index (CPI)** is an inflationary indicator that measures the change in the cost of a fixed basket of products and services, including housing, electricity, food, and transportation. The CPI is published monthly. Unless otherwise noted, the CPI figure is as of the date this report is created.

The **Credit Suisse Leveraged Loan Index** is a market value-weighted index designed to represent the investable universe of the U.S. dollar-denominated leveraged loan market.

The **Dow Jones-UBS Commodity Index** measures the performance of the commodities market. It consists of exchange-traded futures contracts on physical commodities that are weighted to account for the economic significance and market liquidity of each commodity.



September 2012

Youngstown State University

HARTLAND & Co.
Investment Consultants

INDEPENDENCE || EXPERTISE || RESULTS



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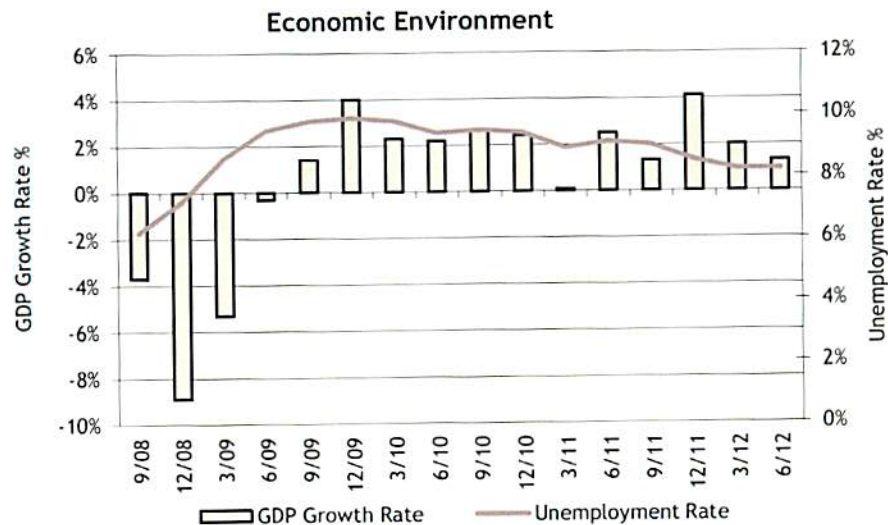
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U.S. Economic Overview

As of 9/30/2012

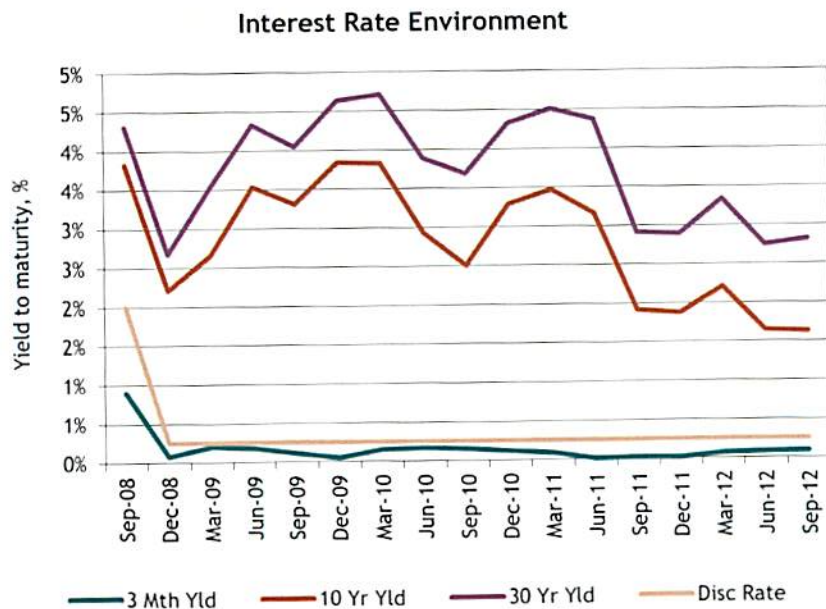


Source: Bureau of Economic Analysis & Bureau of Labor Statistics

The US economy (GDP) grew 1.3% in the second quarter of 2012 (latest data available), well below the 2.0% increase reported in the first quarter. The decline was largely attributable to a slowdown in consumer spending, business investment and residential housing. Imports, which are a subtraction in the calculation of GDP, also increased. Projections by the members of the Federal Reserve Board now put GDP growth for this year in a range of 1.7%-2.0%, a decline from their June projection of 1.9-2.4%. Their projection for GDP growth in 2013 is 2.5-3.0%.

The unemployment rate in September fell to 7.8%, its lowest rate since January 2009. Private companies accounted for most of the job growth with the most significant gains coming from the health care, transportation and warehousing sectors. Maintaining this momentum in the face of a sluggish economy will remain a challenge in the months ahead.

Core inflation - excluding food and energy - increased at a 2.0% annual rate in September. The index for all items - adding back food and energy - increased by the same amount. While some economists fear that the Federal Reserve's aggressive monetary policy will ultimately create inflationary pressures, high unemployment and a sluggish economy appear to be holding near-term price increases in check.



Source: Bloomberg

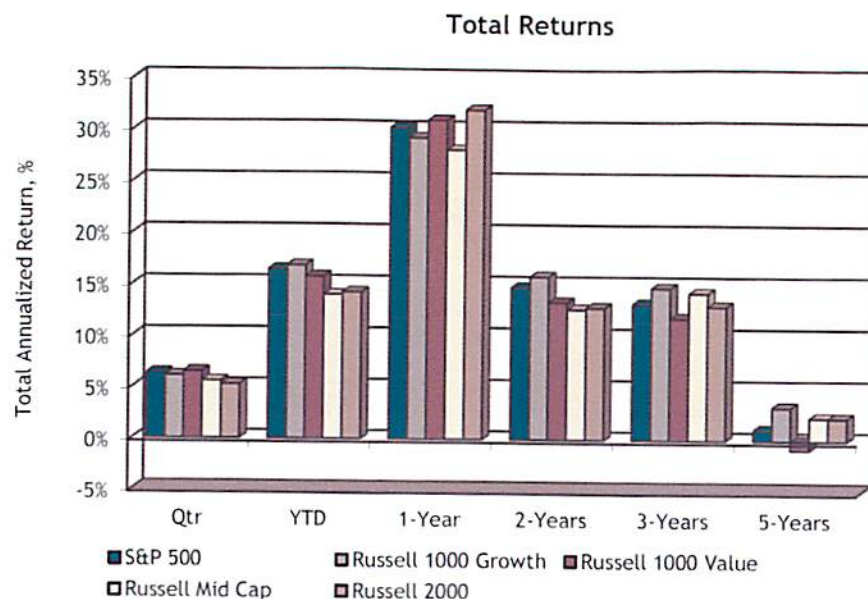
Corporate profitability in the second quarter rose 1.1%, reversing a decline of 2.7% in the first quarter. The improvement was largely attributable to profits from foreign markets. This improvement may not be sustainable given the ongoing contraction in the euro zone economies and the impact this is having on the emerging market economies.

Despite the fact that the US stock market has recovered most of the ground it lost during the financial crisis, investors continue to reduce their allocation to stocks. According to the Investment Company Institute - a mutual fund trade group - investors have withdrawn \$138 billion from stock funds since the market lows of 2009. During the same period, over \$1 trillion dollars has found its way into bond funds. Renewed confidence in the stock market as a store of wealth is crucial for the long-term health of the economy.

During the quarter, investors finally began to focus on the so-called fiscal cliff that the US economy is approaching. This includes the expiration of the Bush tax cuts, the temporary payroll tax cuts and automatic spending cuts mandated by the failure of the Super Committee. Without Congressional action, roughly 4% of GDP is at risk. It would also represent the largest tax increase in the history of the US.

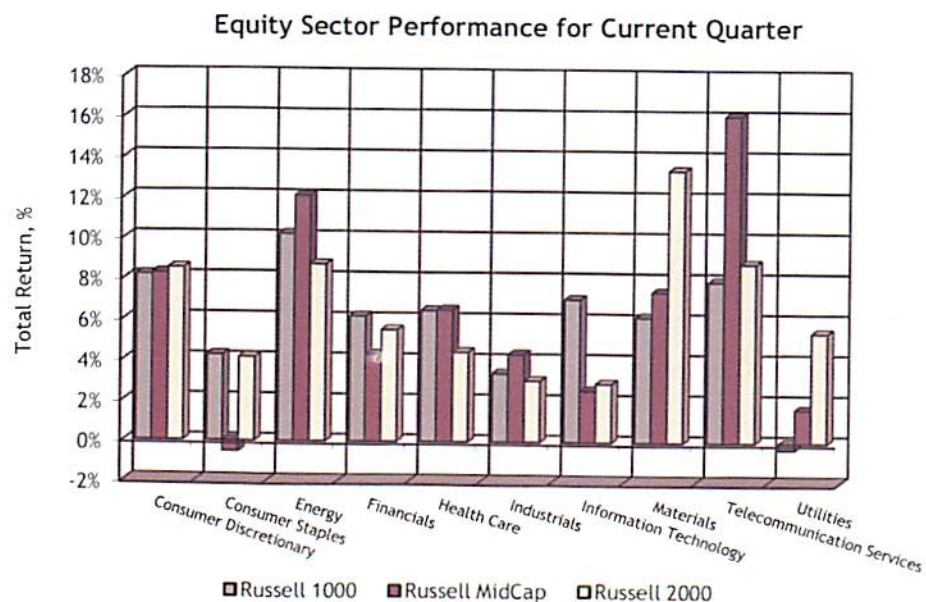
Domestic Equity Market Overview

As of 9/30/2012



The domestic equity markets were positive for the third quarter as investors reacted to renewed signs of progress in resolving the European debt crisis and the Federal Reserve announced a third round of quantitative easing. In early September the European Central Bank (ECB) announced it would make unlimited purchases of sovereign bonds from crisis-plagued euro-zone countries. A week later, the Federal Reserve announced that they will spend \$40 billion a month on mortgage-backed bonds to aid the U.S. recovery.

During the third quarter value outperformed growth across the market-cap spectrum and large caps outperformed small caps. The best performing asset class was large-cap value; small-cap growth was the worst. The second quarter was a risk-on quarter, and equity managers with a more cyclical positioning benefited accordingly. The most cyclical sectors – technology, energy and consumer discretionary – were the best performers while the most defensive sectors – consumer staples and utilities – were the worst.



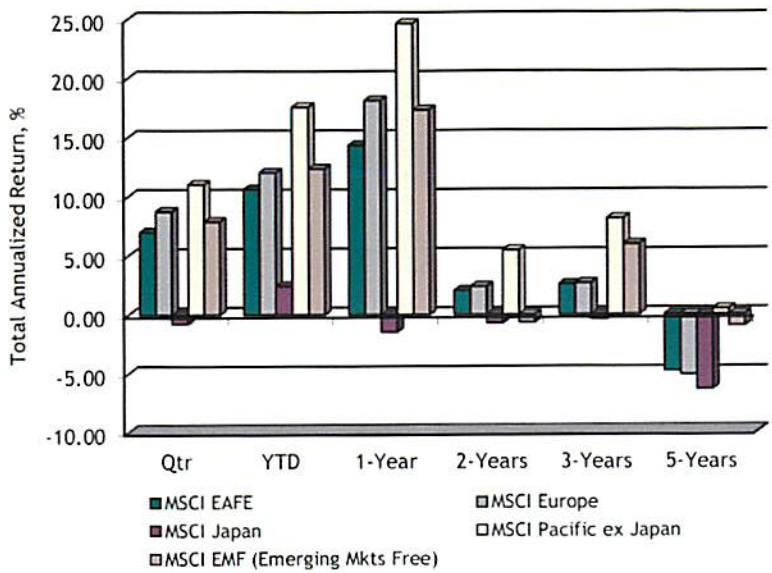
The trailing 12-month P/E ratio for the S&P 500 at the end of the third quarter was 15.2 while its 20-year average was 19.6. The 12-month forward P/E ratio for the S&P 500 was 12.9 while its 20-year average was 16.8. While these valuations are attractive from a long-term perspective, they may not adequately discount the slowdown in global economic growth. Currently, 46% of revenues for the S&P 500 come from international markets and a global slowdown could negatively impact earnings growth.

International Equity Market Overview

As of 9/30/2012

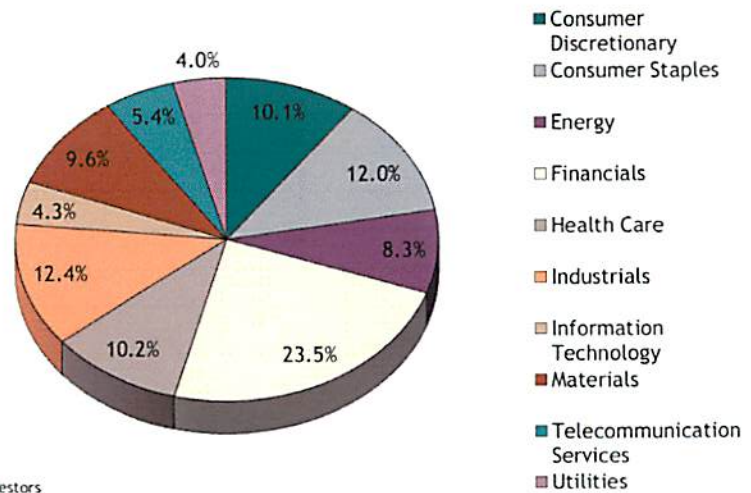


Total Returns for Period



Source: State Street

MSCI EAFE Index Sector Weightings



Source: Barclays Global Investors

International equity markets were positive for the third quarter, with the exception of Japan. International markets rallied on renewed signs of progress in resolving the European debt crisis. During the third quarter emerging markets outperformed developed markets. In developed markets, small caps outperformed large caps and value outperformed growth.

In early September the European Central Bank (ECB) announced it would make unlimited purchases of sovereign bonds from crisis-plagued euro-zone countries. In Asia, the People's Bank of China cut interest rates for the first time since 2008 in an effort to support their slowing economy. The growth of emerging market economies in general appear to be slowing as a result of the recession in the euro zone and a sluggish US economy.

The 12-month forward P/E ratio for MSCI EAFE Index was 10.9 while its 10-year average was 13.4. While this may seem like an attractive valuation, the threat of a global slowdown has not been fully priced into international markets. The 12-month forward P/E ratio for the MSCI Emerging Market Index was 10.3 while its 10-year average was 10.9. From a valuation standpoint, emerging markets are reasonably priced at current levels.

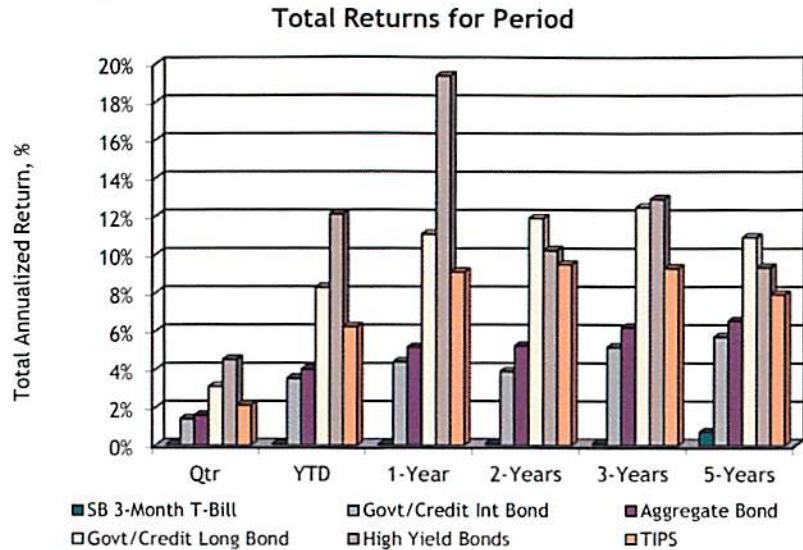
Country Weighting of MSCI EAFE Index

Country	Weight	Qtr. Return	Contribution
United Kingdom	23.24%	5.99%	1.39%
Japan	20.06%	-1.84%	-0.37%
France	9.19%	6.76%	0.62%
Australia	8.92%	8.79%	0.78%
Switzerland	8.61%	7.74%	0.67%
Germany	8.57%	13.93%	1.19%
Sweden	3.23%	10.62%	0.34%
Hong Kong	3.14%	11.76%	0.37%
Spain	2.89%	9.68%	0.28%
Netherlands	2.47%	8.67%	0.21%
Italy	2.21%	6.84%	0.15%
Singapore	1.92%	9.26%	0.18%
Denmark	1.19%	11.16%	0.13%
Belgium	1.15%	9.74%	0.11%
Norway	0.98%	13.29%	0.13%
Finland	0.75%	10.62%	0.08%
Ireland	0.60%	-2.11%	-0.01%
Austria	0.26%	6.78%	0.02%
Portugal	0.17%	12.85%	0.02%
New Zealand	0.13%	12.81%	0.02%
Greece	0.05%	-1.39%	0.00%
Total	100.00%	6.99%	

Source: MSCI

Fixed Income Market Overview

As of 9/30/2012



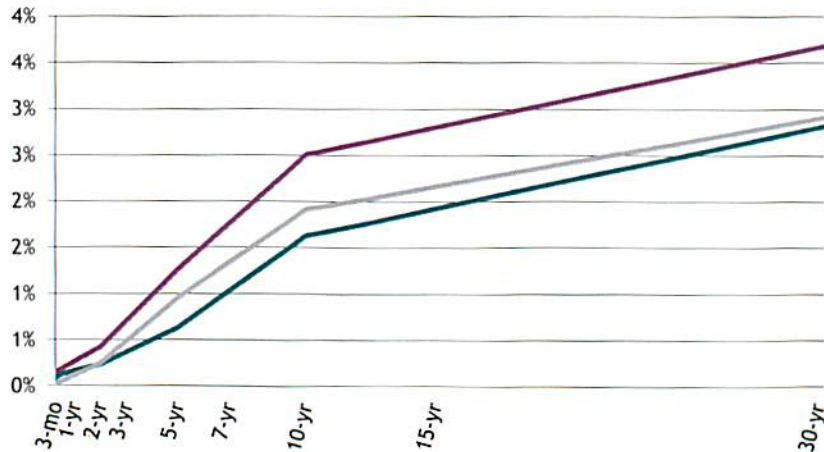
Central banks stepped into the thick of the battle during the third quarter of 2012 and received a financial market response that was both predictable and curious at the same time.

Federal Reserve Chairman Ben Bernanke is a recognized authority on The Great Depression and has clearly stated he will use every monetary tool at his disposal to prevent a repeat of that event. The Fed Funds rate remains at historic lows (0 to 0.25%) and the Federal Reserve's balance sheet has ballooned, via multiple QE programs (quantitative easing), to provide liquidity to the financial system. All this in an effort to improve the employment prospects of Americans and prevent an uncontrollable spiral into a deflationary economic environment.

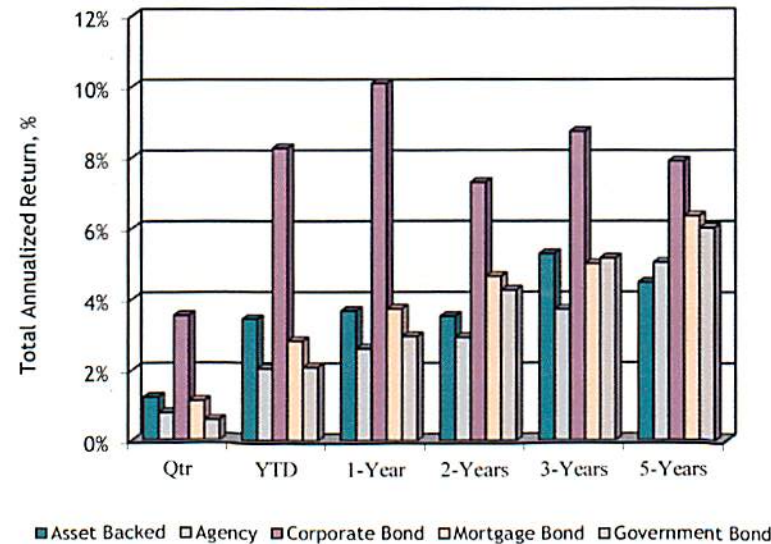
The financial markets have responded with glee to each monetary stimulus program. Instead of focusing on the economy's inability to grow, investors have taken riskier positions based on the central banks policies that investors have interpreted as the "Bernanke Put". In other words, the Federal Reserve will not allow a financial market crisis to derail the economy; as such, risk on. While U.S. Treasury securities held their value this quarter, high yield and emerging market bonds posted strong gains and have rewarded investors with double-digit returns year-to-date.

Historically the Federal Reserve deployed arrows from its monetary quiver. Today they deploy a bazooka; but the effectiveness of their deployment has yet to be determined.

U.S. Treasury Bond Yields



Sector Performance for Period



Index Returns

As of 9/30/2012



	Month	Quarter	YTD	1 Year	2 Years	3 Years	5 Years	7 Years	10 Years	
Domestic Equity	Wilshire 5000	2.63%	6.07%	15.80%	29.64%	14.04%	13.31%	1.53%	4.88%	8.77%
	Russell 3000	2.63%	6.24%	16.13%	30.21%	14.42%	13.26%	1.30%	4.60%	8.49%
	S&P 500	2.58%	6.35%	16.43%	30.18%	14.75%	13.20%	1.05%	4.48%	8.01%
	Russell 1000	2.57%	6.31%	16.28%	30.06%	14.57%	13.28%	1.22%	4.60%	8.35%
	Russell 1000 Growth	1.96%	6.11%	16.81%	29.20%	15.79%	14.74%	3.25%	5.81%	8.42%
	Russell 1000 Value	3.17%	6.49%	15.73%	30.90%	13.32%	11.83%	-0.91%	3.28%	8.16%
	S&P MidCap 400	1.94%	5.45%	13.78%	28.56%	12.65%	14.34%	3.83%	6.24%	10.77%
	Russell MidCap	2.12%	5.58%	13.98%	28.02%	12.64%	14.26%	2.23%	5.37%	11.18%
	Russell MidCap Growth	2.00%	5.34%	13.88%	26.67%	13.00%	14.73%	2.54%	5.66%	11.10%
	Russell MidCap Value	2.23%	5.79%	14.01%	29.25%	12.34%	13.85%	1.73%	4.83%	10.96%
	Russell 2500	2.60%	5.56%	14.33%	30.93%	13.14%	14.06%	2.80%	5.33%	10.86%
	Russell 2500 Growth	2.32%	5.22%	14.11%	29.53%	14.14%	15.17%	3.26%	6.13%	11.24%
	Russell 2500 Value	2.83%	5.85%	14.47%	32.15%	12.22%	13.06%	2.21%	4.37%	10.34%
	S&P Small Cap 600	2.33%	5.39%	13.80%	33.35%	15.60%	15.14%	3.30%	5.43%	10.74%
	Russell 2000	3.28%	5.25%	14.23%	31.91%	12.81%	12.99%	2.21%	4.68%	10.17%
	Russell 2000 Growth	3.00%	4.84%	14.07%	31.18%	13.88%	14.18%	2.95%	5.52%	10.54%
Russell 2000 Value	3.56%	5.66%	14.36%	32.63%	11.65%	11.72%	1.34%	3.74%	9.68%	
International	MSCI EAFE	2.99%	6.99%	10.61%	14.34%	2.03%	2.59%	-4.78%	2.33%	8.69%
	MSCI Europe	2.98%	8.76%	12.02%	18.13%	2.37%	2.66%	-5.11%	2.77%	9.35%
	MSCI Japan	2.40%	-0.77%	2.44%	-1.50%	-0.72%	-0.40%	-6.36%	-1.91%	3.87%
	MSCI Pacific ex. Japan	3.86%	11.03%	17.57%	24.66%	5.45%	8.13%	0.47%	8.87%	15.39%
	MSCI Emerging Markets Free	6.05%	7.88%	12.33%	17.33%	-0.66%	5.95%	-0.98%	8.97%	17.36%
	MSCI AC World ex US	3.77%	7.49%	10.86%	15.04%	1.52%	3.63%	-3.67%	3.79%	10.31%
Alt	NAREIT	-0.89%	1.86%	17.57%	34.36%	16.54%	20.33%	2.51%	5.32%	10.84%
	NCREIF	0.89%	2.69%	8.18%	11.38%	13.72%	11.03%	2.33%	6.44%	8.38%
	HFRI Fund of Funds	0.79%	2.34%	3.34%	2.86%	0.47%	1.48%	-1.65%	1.66%	3.62%
Fixed Income	BarCap Aggregate	0.14%	1.59%	4.00%	5.17%	5.23%	6.20%	6.54%	5.92%	5.33%
	BarCap Global Aggregate	1.22%	3.27%	4.81%	5.05%	4.52%	5.03%	6.22%	6.07%	6.45%
	BarCap Universal	0.29%	2.00%	4.91%	6.42%	5.59%	6.69%	6.62%	6.07%	5.74%
	BarCap High Yield	1.39%	4.53%	12.12%	19.36%	10.22%	12.89%	9.34%	8.90%	10.99%
	BarCap TIPs Index	0.51%	2.12%	6.24%	9.09%	9.48%	9.28%	7.93%	6.61%	6.63%
	JPM Emerging Markets Bond +	0.41%	5.89%	13.20%	19.14%	9.89%	11.89%	10.05%	9.50%	13.06%
	BarCap Long-term Govt.	-1.85%	0.34%	4.51%	6.39%	11.47%	11.92%	10.94%	8.75%	7.73%
	BarCap Int. Aggregate	0.25%	1.35%	3.36%	4.30%	4.26%	5.33%	5.96%	5.56%	4.94%
	BarCap Int. Govt./Credit	0.24%	1.40%	3.53%	4.40%	3.90%	5.17%	5.71%	5.36%	4.76%
	BarCap 1-3 Yr Gov/Credit	0.09%	0.51%	1.09%	1.35%	1.30%	1.95%	3.29%	3.71%	3.23%
	Merrill Lynch 91-Day T-Bill	0.01%	0.03%	0.07%	0.07%	0.11%	0.11%	0.72%	1.89%	1.82%

Executive Summary

As of 9/30/2012

Youngstown State University
University Investments



	Prior Quarter	Current Quarter	Change from Prior Quarter
Market Value of Assets	\$57,881,608	\$79,728,675	\$21,847,067
Asset Allocation			
Domestic Equity	16.8%	12.9%	-3.9%
International Equity	3.2%	2.5%	-0.7%
Fixed Income	58.3%	42.8%	-15.5%
Cash & Cash Equivalents	<u>21.7%</u>	<u>41.8%</u>	20.1%
Total	100.0%	100.0%	
			<u>Year-to-Date</u>
Nominal Portfolio Returns			
Total Operating & Short Term Pool	0.0%	0.0%	0.1%
Total Long Term/ Reserves Pool	<u>-0.6%</u>	<u>2.5%</u>	<u>5.8%</u>
Total University Assets	-0.4%	1.7%	3.6%
Investment Policy Benchmark	-0.2%	1.1%	2.5%
U.S. Inflation	0.0%	0.1%	1.8%
Real Return	-0.4%	1.6%	1.8%

Policy Benchmark: 10% Russell 3000/ 2.5% MSCI EAFE/ 27.5% BarCap Gov 1-3 Yr/ 15% BarCap Int Gov/Credit/ 45% ML 91-Day T-Bill

Investment Policy Compliance

As of 9/30/2012

Total Plan Asset Allocation Policy	Range	Current	Cash & Gov Securities
Operating & Short-Term Pool	25% - 50%	42%	100%
Long Term/ Reserves Pool	50% - 75%	58%	33%

Operating & Short-Term Pool	Range	Current
Operating Assets	60% - 100%	98%
Short-Term Assets	0% - 40%	2%

Long-Term/ Reserves Pool	Target	Range	Current
Domestic Equity	20%	0% - 25%	22%
International Equity	5%	0% - 10%	4%
Total Equity	25%	0% - 35%	27%
Short-Term Fixed Income	45%	35% - 55%	44%
Intermediate- Term Fixed Income	30%	20% - 40%	29%
Cash & Cash Equivalent	0%	0% - 5%	0%

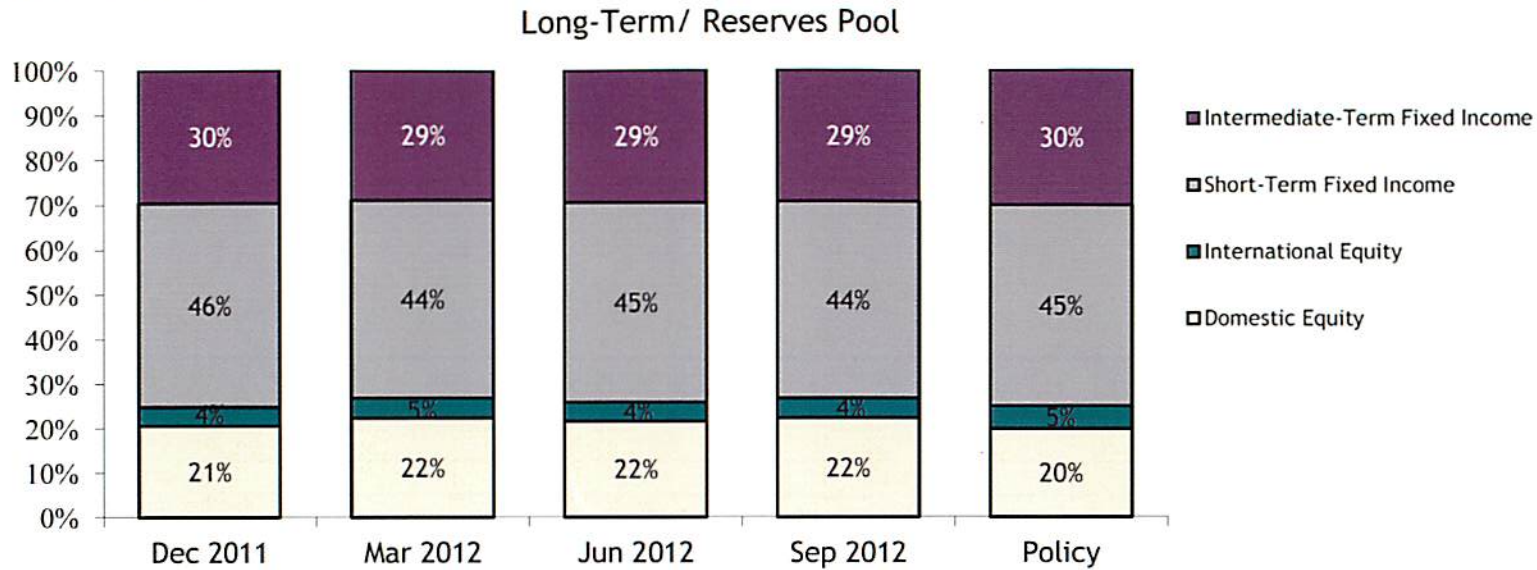
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 Within Tolerance
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Asset Allocation History

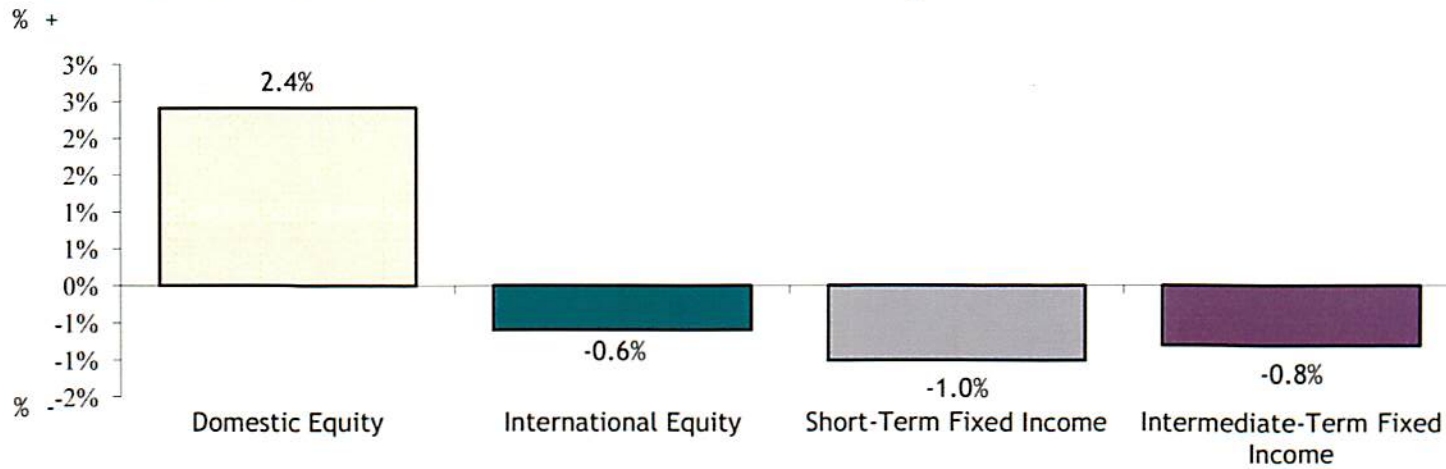
As of 9/30/2012

Youngstown State University

Long-Term/ Reserves Pool



Asset Allocation vs. Investment Policy



Attribution of Market Value Change

As of 9/30/2012



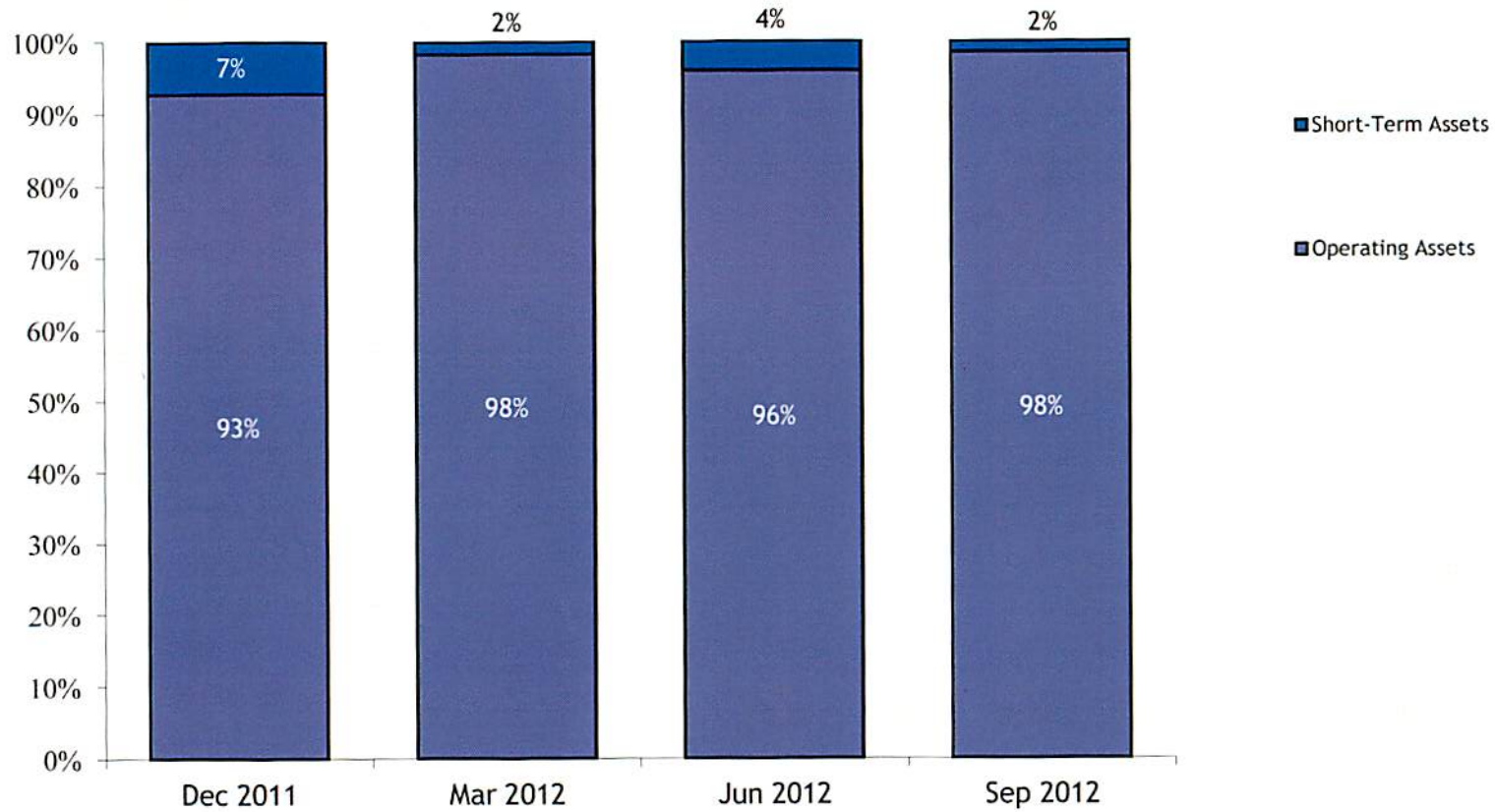
Dollars in Thousands

	<u>Qtr Ended 12/30/2011</u>	<u>Qtr Ended 3/31/2012</u>	<u>Qtr Ended 6/30/2012</u>	<u>Current Quarter</u>	<u>Rolling 12 Months</u>
<u>Beginning Balance</u>	\$42,179	\$43,392	\$45,038	\$44,784	\$42,179
<u>Activity</u>					
Receipt/Contributions	\$9	\$10	\$9	\$9	\$37
Withdrawals/Distributions	\$0	\$0	\$0	\$0	\$0
Fees	-\$9	-\$9	-\$9	-\$9	-\$36
Income	\$390	\$229	\$235	\$216	\$1,070
Price Appreciation/ (Depreciation)	<u>\$823</u>	<u>\$1,416</u>	<u>-\$489</u>	<u>\$900</u>	<u>\$2,650</u>
<u>Ending Balance</u>	<u>\$43,392</u>	<u>\$45,038</u>	<u>\$44,784</u>	<u>\$45,901</u>	<u>\$45,901</u>

Asset Allocation History

As of 9/30/2012

Youngstown State University
Operating & Short-Term Pool



Schedule of Assets

As of 9/30/2012

Youngstown State University
University Investments



Market Values in Thousands

Investment Style	Market Value (3/12)	Market Value (6/12)	Market Value (9/12)	% of Asset Class	% of Pool	% of Total Plan	
<u>Total University Assets</u>	\$73,970	\$57,882	\$79,729			100.0%	
<u>Operating & Short-Term Pool</u>	\$28,933	\$13,097	\$33,828		100.0%	42.4%	
<u>Cash & Cash Equivalents</u>	\$28,404	\$12,566	\$33,293	100.0%	98.4%	41.8%	
JPMorgan 100% U.S. Tr Sec MM Inst	Money Market	\$25,325	\$10,325	\$30,325	91.1%	89.6%	38.0%
PNC Sweep Account	Cash Equivalents	\$3,079	\$2,241	\$2,968	8.9%	8.8%	3.7%
<u>Fixed Income</u>	\$529	\$531	\$535	100.0%	1.6%	0.7%	
Vanguard Short-Term Federal Adm	Short Government	\$529	\$531	\$535	100.0%	1.6%	0.7%
<u>Long-Term/ Reserves Pool</u>	\$45,038	\$44,784	\$45,901		100.0%	57.6%	
<u>Domestic Equity</u>	\$10,094	\$9,713	\$10,282	100.0%	22.4%	12.9%	
TRP Instl US Structured Rsch	Large Blend	\$3,195	\$3,086	\$3,281	31.9%	7.1%	4.1%
Vanguard 500 Index Signal	Large Blend	\$3,188	\$3,100	\$3,297	32.1%	7.2%	4.1%
Vanguard Mid Cap Index Signal	Mid-Cap Blend	\$1,864	\$1,763	\$1,854	18.0%	4.0%	2.3%
Loomis Sayles Small Cap Growth Instl	Small Growth	\$960	\$916	\$965	9.4%	2.1%	1.2%
Munder Veracity Small Cap Value I	Small Value	\$887	\$848	\$885	8.6%	1.9%	1.1%
<u>International Equity</u>	\$2,033	\$1,866	\$2,007	100.0%	4.4%	2.5%	
Artio Int'l Equity Fund II A	International Equity	\$977	\$0	\$0	0.0%	0.0%	0.0%
William Blair Int'l Gr I	International Equity	\$0	\$764	\$824	41.1%	1.8%	1.0%
Dodge & Cox Internat'l Stock	International Equity	\$1,055	\$1,101	\$1,183	58.9%	2.6%	1.5%
<u>Intermediate Fixed Income</u>	\$12,959	\$13,183	\$13,424	100.0%	29.2%	16.8%	
JPMorgan Core Bond Ultra	Intermediate-Term Bond	\$6,554	\$6,688	\$6,810	50.7%	14.8%	8.5%
YSU Intermediate Term Bond	Intermediate-Term Bond	\$6,405	\$6,495	\$6,614	49.3%	14.4%	8.3%
<u>Short-Term Fixed Income</u>	\$19,952	\$20,023	\$20,188	100.0%	44.0%	25.3%	
YSU Short Term Bond	Short-Term Bond	\$14,696	\$14,736	\$14,856	73.6%	32.4%	18.6%
Vanguard Short-Term Bond Instl	Short-Term Bond	\$5,256	\$5,287	\$5,332	26.4%	11.6%	6.7%

Performance Report Card

As of 9/30/2012

Youngstown State University
University Investments



	As of 9/30/2012			5 Year Periods Ended			3 Year Periods Ended			As of 9/30/2012					Market Value	% of Pool
	10 Yr	7 Yr	5 Yr	12/09	12/10	12/11	12/09	12/10	12/11	3 Yr	2 Yr	1 Yr	YTD	Qtr		
Total Plan																
Total University Assets		4.3%	4.0%	4.4%	4.9%	4.2%	4.8%	4.5%	4.2%	3.6%	3.0%	5.4%	3.6%	1.7%	\$79,728,675	
Policy Benchmark ¹	3.4%	3.6%	3.0%	4.0%	4.1%	3.4%	4.1%	3.1%	3.0%	2.5%	2.0%	4.1%	2.5%	1.1%		
Cash & Cash Equivalents																
Total Operating & Short Term Pool											0.1%	0.1%	0.1%	0.0%	\$33,828,026	100.0%
Total Operating & Short Term Benchmark ²											0.2%	0.1%	0.1%	0.1%		
JPMorgan 100% U.S. Tr Sec MM Inst	1.6%	1.7%	0.5%	2.7%	2.1%	1.2%	2.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	\$30,325,388	89.6%
Merrill Lynch 91-Day T-Bill	1.8%	1.9%	0.7%	3.0%	2.4%	1.5%	2.4%	0.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%		
JPMorgan Sweep Account															\$2,967,959	8.8%
Vanguard Short-Term Federal Adm	3.6%	4.3%	4.1%	4.8%	5.1%	4.7%	5.8%	4.4%	3.0%	2.6%	1.9%	1.9%	1.5%	0.6%	\$534,679	1.6%
BarCap Government 1-5 Yr	3.5%	4.2%	4.0%	4.5%	4.9%	4.8%	5.7%	4.3%	2.6%	2.6%	1.8%	1.3%	0.9%	0.5%		
Long-Term/ Reserves Pool																
Total Long Term/ Reserves Pool											4.5%	8.8%	5.8%	2.5%	\$45,900,649	100.0%
Total Long Term/ Reserves Fund Benchmark ³											3.7%	8.1%	5.0%	2.1%		
Domestic Equity																
Total Domestic Equity											14.1%	29.3%	14.8%	5.9%	\$10,281,965	22.4%
Russell 3000	8.5%	4.6%	1.3%	0.8%	2.7%	0.0%	-5.4%	-2.0%	14.9%	13.3%	14.4%	30.2%	16.1%	6.2%		
TRP Instl US Structured Rsch								-2.2%	14.2%	12.5%	14.5%	30.1%	16.7%	6.3%	\$3,281,380	7.1%
S&P 500	8.0%	4.5%	1.1%	0.4%	2.3%	-0.3%	-5.6%	-2.9%	14.1%	13.2%	14.8%	30.2%	16.4%	6.4%		
Vanguard 500 Index Signal	8.0%	4.5%	1.1%	0.4%	2.3%	-0.2%	-5.6%	-2.8%	14.1%	13.2%	14.7%	30.2%	16.4%	6.3%	\$3,296,868	7.2%
S&P 500	8.0%	4.5%	1.1%	0.4%	2.3%	-0.3%	-5.6%	-2.9%	14.1%	13.2%	14.8%	30.2%	16.4%	6.4%		
Vanguard Mid Cap Index Signal	10.3%	5.0%	1.9%	2.3%	4.4%	1.3%	-4.6%	0.9%	20.0%	14.0%	12.1%	26.5%	12.8%	5.2%	\$1,854,299	4.0%
MSCI Mid Cap 450	10.3%	5.1%	1.9%	2.4%	4.4%	1.4%	-4.6%	0.9%	20.1%	14.1%	12.1%	26.5%	12.9%	5.2%		
Loomis Sayles Sm Growth Instl	11.7%	8.1%	3.8%	4.5%	8.2%	6.0%	-0.5%	1.4%	21.4%	18.3%	16.9%	27.3%	12.1%	5.3%	\$964,584	2.1%
Russell 2000 Growth	10.5%	5.5%	3.0%	0.9%	5.3%	2.1%	-4.0%	2.2%	19.0%	14.2%	13.9%	31.2%	14.1%	4.8%		
Munder Veracity Sm-Cap Value Y		5.3%	3.5%		5.7%	1.7%	-4.9%	6.2%	19.2%	12.8%	11.6%	29.7%	9.0%	4.4%	\$884,833	1.9%
Russell 2000 Value	9.7%	3.7%	1.3%	0.0%	3.5%	-1.9%	-8.2%	2.2%	12.4%	11.7%	11.7%	32.6%	14.4%	5.7%		

Performance Report Card

As of 9/30/2012

Youngstown State University
University Investments



	As of 9/30/2012			5 Year Periods Ended			3 Year Periods Ended			As of 9/30/2012					Market Value	% of Pool
	10 Yr	7 Yr	5 Yr	12/09	12/10	12/11	12/09	12/10	12/11	3 Yr	2 Yr	1 Yr	YTD	Qtr		
International Equity																
Total International Equity											-1.7%	14.3%	11.1%	7.6%	\$2,006,780	4.4%
<i>MSCI EAFE</i>	8.7%	2.3%	-4.8%	4.0%	2.9%	-4.3%	-5.6%	-6.6%	8.1%	2.6%	2.0%	14.3%	10.6%	7.0%		
William Blair Int'l Gr I	9.9%	3.6%	-4.1%	4.0%	3.7%	-3.5%	-6.8%	-6.3%	13.8%	7.9%	3.4%	21.8%	16.2%	7.8%	\$823,886	1.8%
<i>MSCI EAFE</i>	8.7%	2.3%	-4.8%	4.0%	2.9%	-4.3%	-5.6%	-6.6%	8.1%	2.6%	2.0%	14.3%	10.6%	7.0%		
Dodge & Cox Internat'l Stock	11.7%	3.2%	-3.7%	5.6%	5.0%	-3.5%	-4.2%	-3.7%	12.1%	2.7%	0.3%	15.7%	11.0%	7.4%	\$1,182,894	2.6%
<i>MSCI EAFE</i>	8.7%	2.3%	-4.8%	4.0%	2.9%	-4.3%	-5.6%	-6.6%	8.1%	2.6%	2.0%	14.3%	10.6%	7.0%		
Fixed Income																
Total Fixed Income											3.1%	3.7%	3.0%	1.2%	\$33,611,904	73.2%
<i>Fixed Income Benchmark</i> ⁴											2.4%	2.7%	2.2%	0.9%		
JPMorgan Core Bond Ultra	5.8%	6.6%	7.3%	5.6%	6.6%	7.2%	7.1%	7.2%	8.3%	6.9%	5.8%	6.0%	4.9%	1.8%	\$6,810,264	14.8%
<i>BarCap Aggregate Bond</i>	5.3%	5.9%	6.5%	5.0%	5.8%	6.5%	6.0%	5.9%	6.8%	6.2%	5.2%	5.2%	4.0%	1.6%		
YSU Intermediate Term Bond		5.9%	6.5%	5.4%	6.3%	6.4%	7.0%	6.7%	6.7%	5.3%	4.0%	5.8%	4.8%	1.8%	\$6,614,025	14.4%
<i>BarCap Govt/Credit Int Bond</i>	4.8%	5.4%	5.7%	4.7%	5.5%	5.9%	5.9%	5.4%	5.6%	5.2%	3.9%	4.4%	3.5%	1.4%		
YSU Short Term Bond		4.0%	3.7%	4.6%	4.8%	4.2%	5.4%	4.3%	3.6%	2.3%	1.7%	2.2%	1.8%	0.8%	\$14,855,677	32.4%
<i>ML Corp/Govt 1-3 Yrs</i>	3.2%	3.7%	3.3%	4.3%	4.5%	3.9%	5.1%	3.8%	2.7%	2.0%	1.4%	1.5%	1.3%	0.6%		
Vanguard Short-Term Bond Instl												2.4%	1.9%	0.9%	\$5,331,937	11.6%
<i>BarCap 1-5 Yr. Govt/Credit</i>	3.9%	4.4%	4.3%	4.5%	5.1%	4.8%	5.7%	4.6%	3.9%	3.2%	2.3%	2.5%	2.0%	0.9%		

¹ Policy Benchmark: 10% Russell 3000/ 2.5% MSCI EAFE/ 27.5% BarCap Gov 1-3 Yr/ 15% BarCap Int Gov/Credit/ 45% ML 91-Day T-Bill

² Total Operating & Short-Term Benchmark: 5% BarCap Gov 1-3 Yr/ 95% ML 91-Day T-Bill

³ Total Long-Term/ Reserves Fund Benchmark: 20% Russell 3000/ 5% MSCI EAFE/ 30% BarCap Int. Gov/Credit/ 45% BarCap 1-3 Year Gov

⁴ Fixed Income Benchmark: 60% ML Corp/Govt 1-3 Yrs/ 40% BarCap Govt/Credit Int Bond



Investment Manager Guidelines

As of 9/30/2012

Investment Manager	Market Cap	Position Size	Portfolio Diversification	Foreign Securities	Portfolio Duration	Maturity	Portfolio Quality	Cash Position
Vanguard Short-Term Federal Adm	...	Yes	...	...	Yes	Yes	Yes	Yes
TRP Instl US Structured Rsch	Yes	Yes	Yes	Yes	...	...	...	Yes
Vanguard 500 Index Signal	Yes	Yes	Yes	Yes	...	...	...	Yes
Vanguard Mid Cap Index Signal	Yes	Yes	Yes	Yes	...	...	...	Yes
Loomis Sayles Small Cap Growth Inst	Yes	Yes	Yes	Yes	...	...	...	Yes
Munder Veracity Small Cap Value I	Yes	Yes	Yes	Yes	...	...	...	Yes
William Blair Int'l Gr I	Yes	Yes	Yes	...	...	...	...	Yes
Dodge & Cox Internat'l Stock	Yes	Yes	Yes	...	...	...	...	Yes
JP Morgan Core Bond Ultra	...	Yes	...	...	Yes	Yes	Yes	Yes
YSU Intermediate-Term	...	Yes	...	...	Yes	Yes	Yes	Yes
YSU Short-Term	...	Yes	...	...	Yes	Yes	Yes	Yes
Vanguard Short Term Bond	...	Yes	...	...	Yes	Yes	Yes	Yes

In Line

Within Tolerance

Review

Policy Effective June 3, 2011

*Mutual funds are shown for informational purposes only. All mutual funds adhere to individual investment guidelines established by the fund manager.

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TRP Instl US Structured Rsch

As of 9/30/2012

Asset Allocation

Investment Style: Large Blend
Inception Date: Jun-10
Market Value: \$3,281,380
% of Total Assets: 4.1%
Product Type: Mutual Fund
Index Benchmark: S&P 500



100%

Equity

Investment Philosophy

The investment seeks long-term capital growth. The fund generally remains fully invested and be sector neutral compared to the S&P 500 index. It normally invests majority of assets in large-capitalization U.S. common stocks, small- and mid-capitalization and foreign stocks may also be purchased in keeping with fund objectives. The fund may invest in futures and options from time to time to manage flows of cash into and out of the fund.

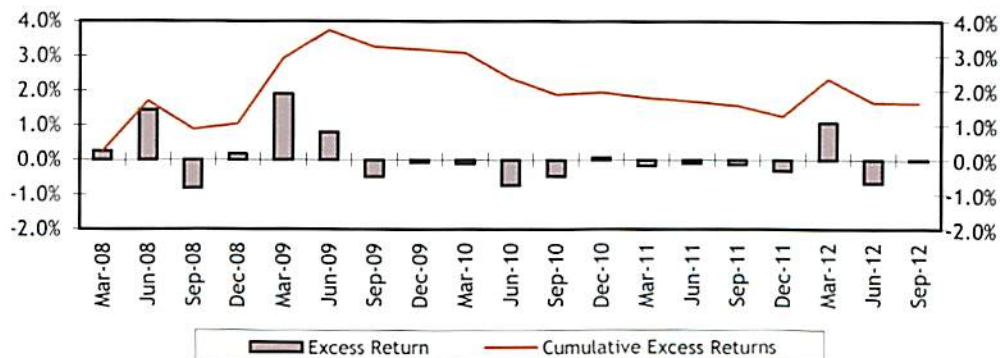
Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	3,086
Net Contributions (Distributions):	0
Gain (Loss):	195
Ending Market Value:	3,281

Portfolio Characteristics

	ROE	P/E	P/B	Median Mkt. Cap.	Dividend Yield	EPS 5Yr. Growth Rate
Portfolio	21.30	16.70	4.04	18.24	2.00	10.33
Index	21.82	16.79	3.97	12.35	2.19	9.95

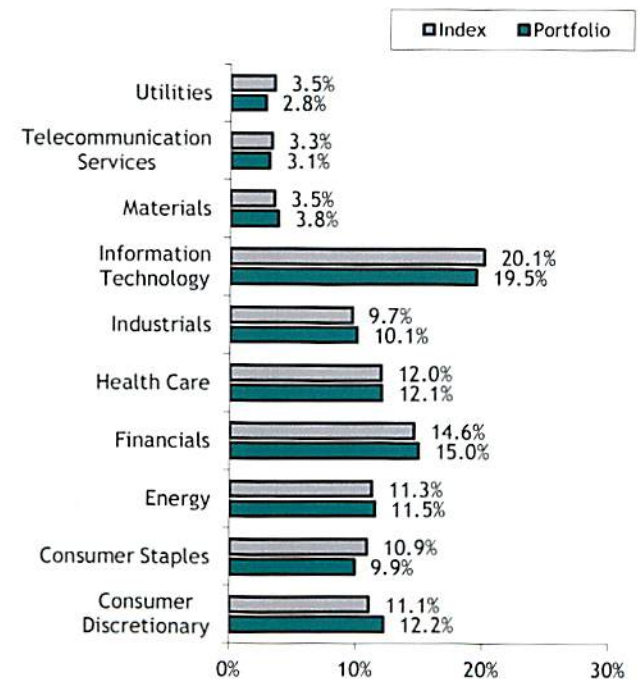
Cumulative Excess Return



Ten Largest Holdings

Security	% of Portfolio
1. Apple Inc	4.9%
2. Exxon Mobil Corp	3.4%
3. Microsoft Corp	2.1%
4. AT&T Inc	2.0%
5. Chevron Corp	1.9%
6. Google Inc	1.8%
7. Procter & Gamble Co/The	1.7%
8. General Electric Co	1.7%
9. Pfizer Inc	1.5%
10. Johnson & Johnson	1.5%

Sector Distribution

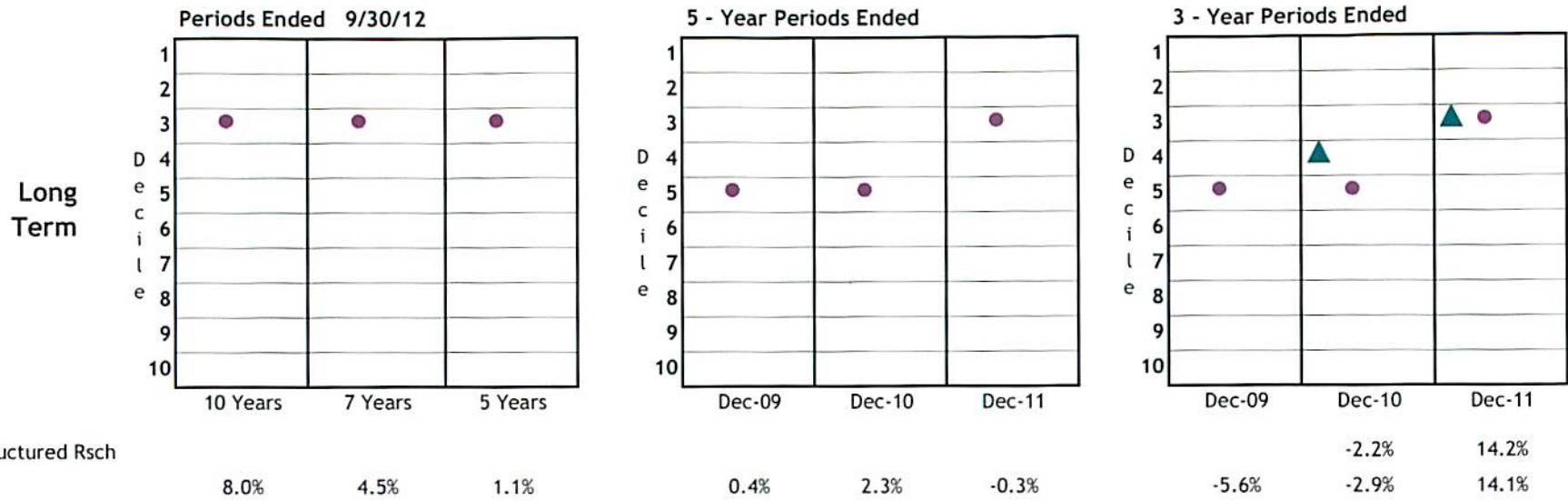


TRP Instl US Structured Rsch

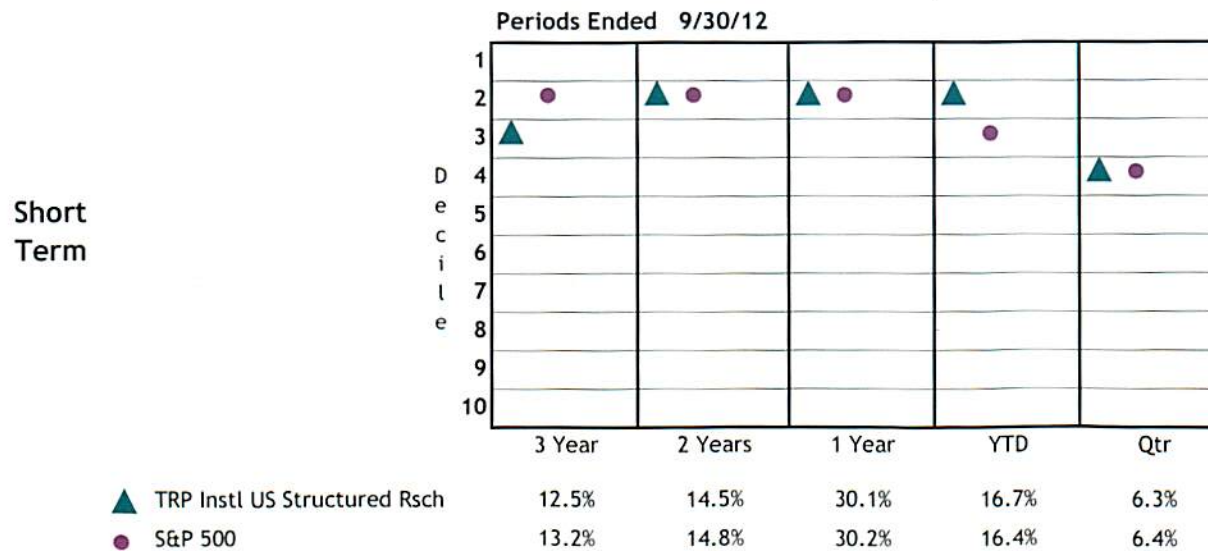
Youngstown State University
University Investments



Universe for Decile Rankings: Large Blend



▲ TRP Instl US Structured Rsch
● S&P 500



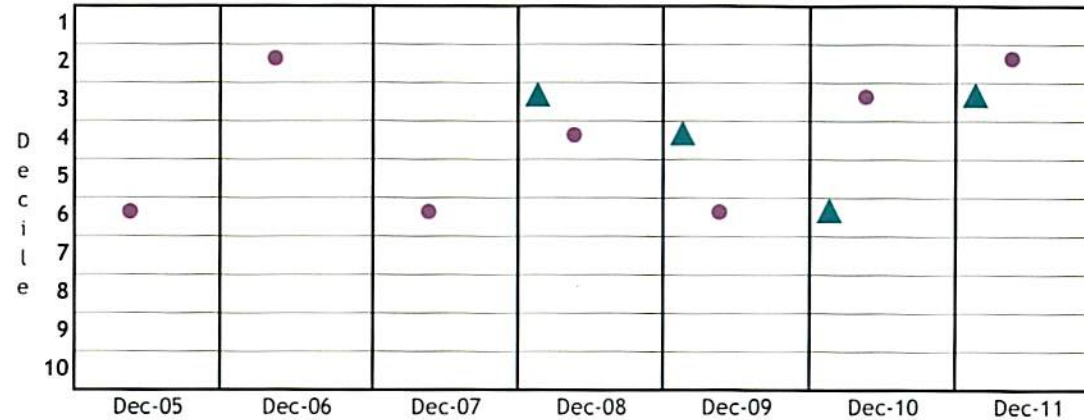
▲ TRP Instl US Structured Rsch
● S&P 500

TRP Instl US Structured Rsch



Universe for Decile Rankings: Large Blend

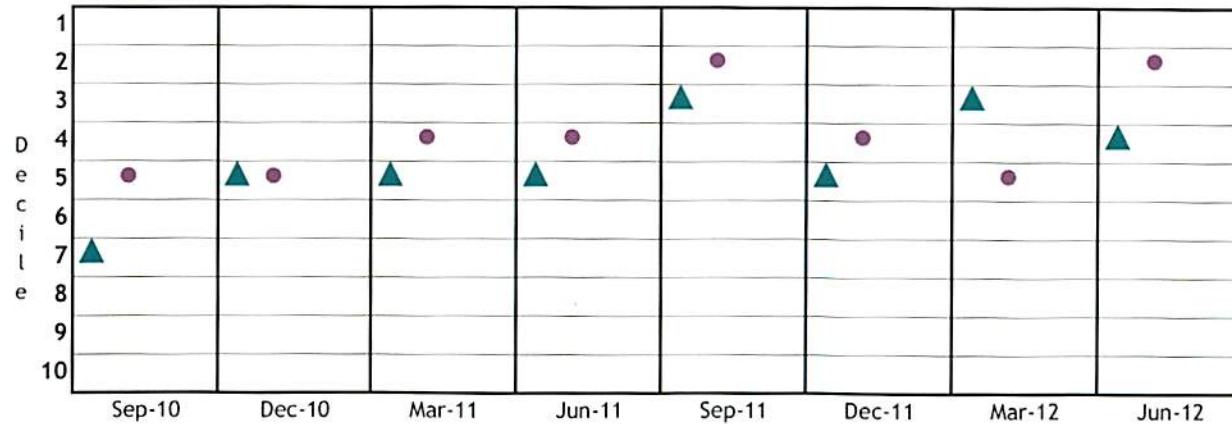
Prior Seven Calendar Years



▲ TRP Instl US Structured Rsch
● S&P 500

4.9%	15.8%	5.5%	-36.3%	29.4%	13.6%	1.4%
			-37.0%	26.5%	15.1%	2.1%

Periods Ended



Short Term

▲ TRP Instl US Structured Rsch
● S&P 500

10.8%	10.8%	5.8%	0.0%	-14.0%	11.5%	13.7%	-3.4%
11.3%	10.7%	5.9%	0.1%	-13.9%	11.8%	12.6%	-2.8%

Vanguard 500 Index Signal

As of 9/30/2012



Asset Allocation

Investment Style: Large Blend
Inception Date: Jun-10
Market Value: \$3,296,868
% of Total Assets: 4.1%
Product Type: Mutual Fund
Index Benchmark: S&P 500



100%

Equity

Investment Philosophy

The Fund employs a "passive management" investment approach designed to track the performance of the Standard & Poor's 500 Index, which is dominated by the stocks of large U.S. companies. The fund attempts to replicate the target index by investing all, or substantially all, of its assets in the stocks that make up the index, holding each stock in approximately the same proportion as its weighting in the index.

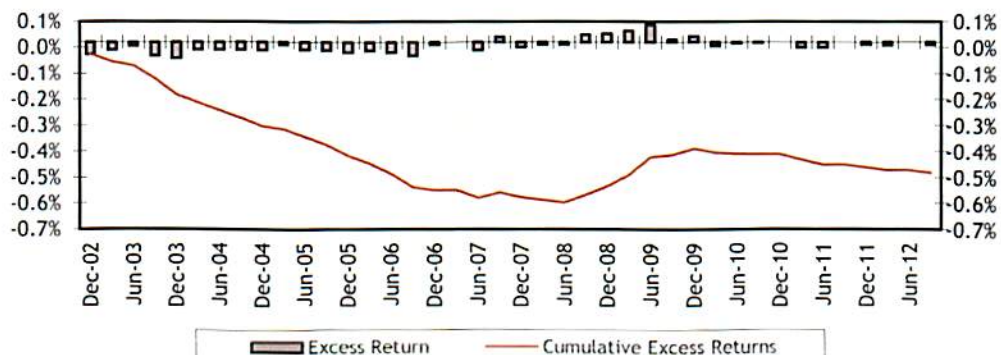
Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	3,100
Net Contributions (Distributions):	0
Gain (Loss):	197
Ending Market Value:	3,297

Portfolio Characteristics

	ROE	P/E	P/B	Mkt. Cap.	Median Dividend Yield	EPS 5Yr. Growth Rate
Portfolio	21.82	16.79	3.97	12.35	2.19	9.95
Index	21.82	16.79	3.97	12.35	2.19	9.95

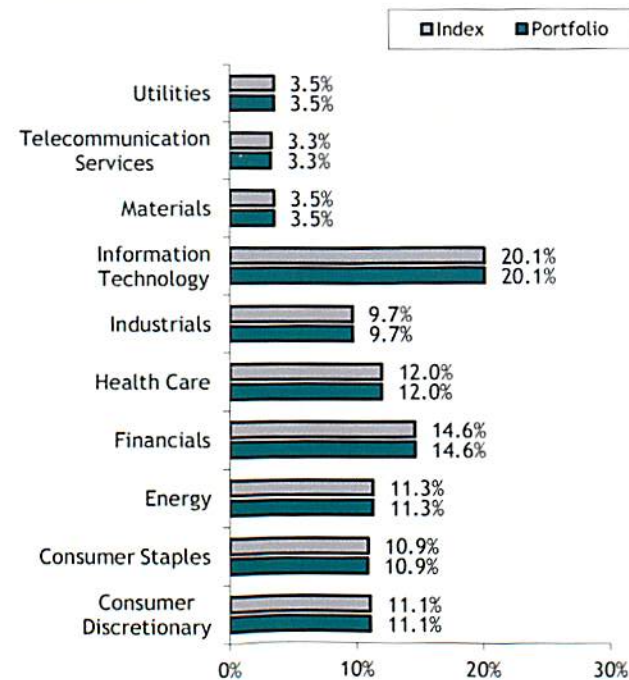
Cumulative Excess Return



Ten Largest Holdings

Security	% of Portfolio
1. Apple Inc	4.9%
2. Exxon Mobil Corp	3.3%
3. General Electric Co	1.9%
4. Chevron Corp	1.8%
5. Microsoft Corp	1.7%
6. International Business Machines Corp	1.7%
7. AT&T Inc	1.7%
8. Google Inc	1.6%
9. Procter & Gamble Co/The	1.5%
10. Johnson & Johnson	1.5%

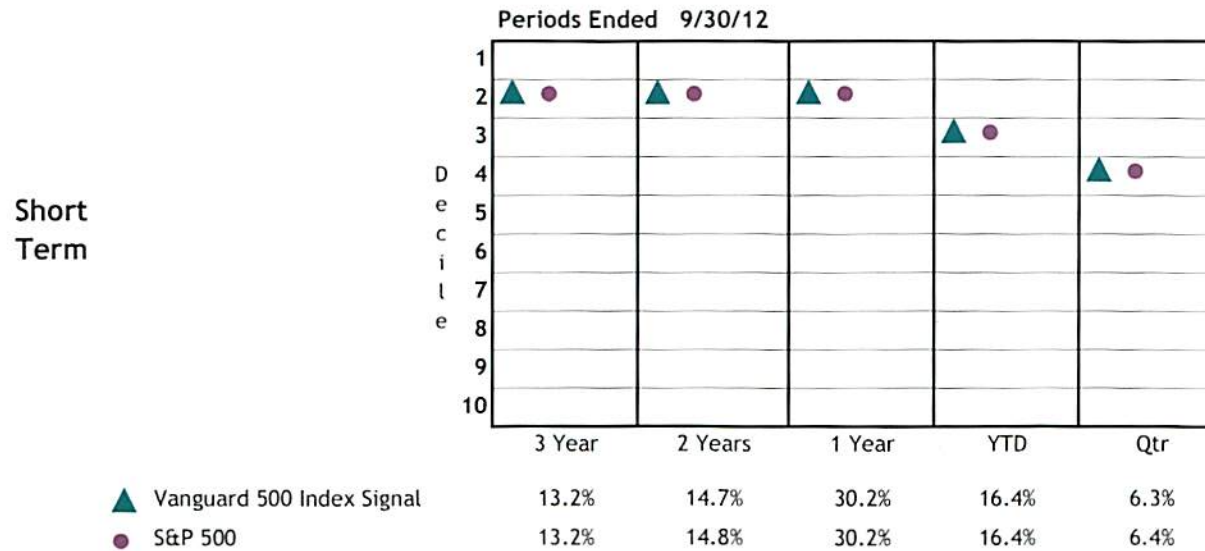
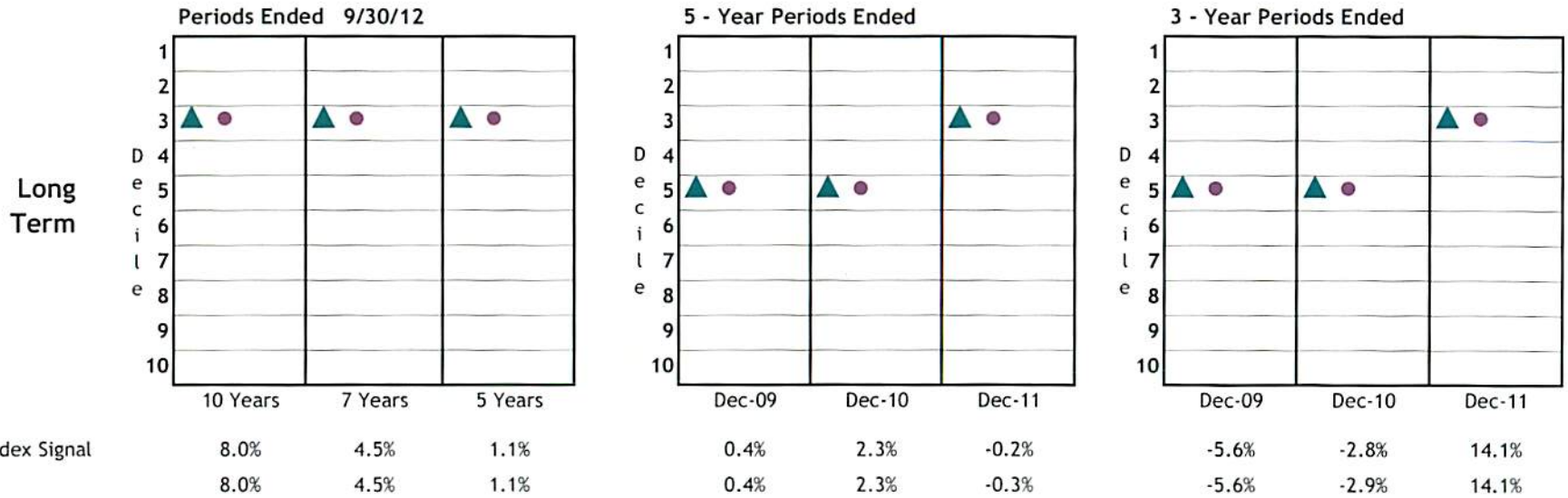
Sector Distribution



Vanguard 500 Index Signal



Universe for Decile Rankings: Large Blend

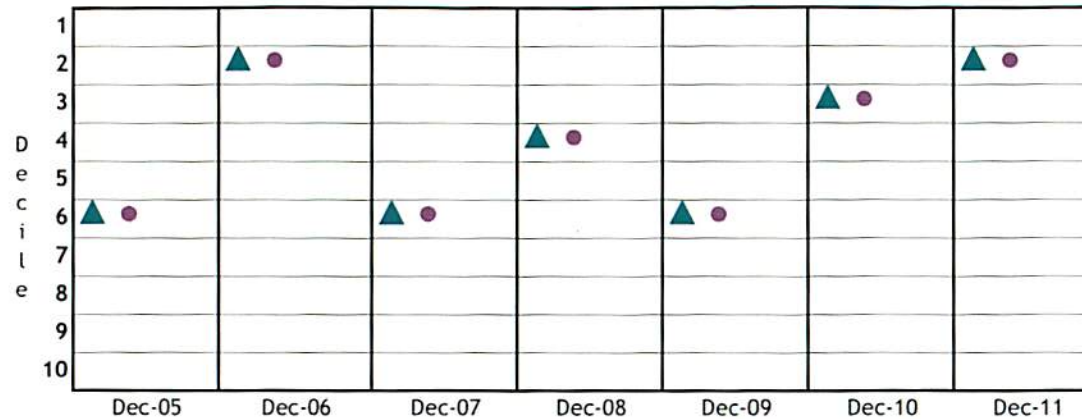


Vanguard 500 Index Signal



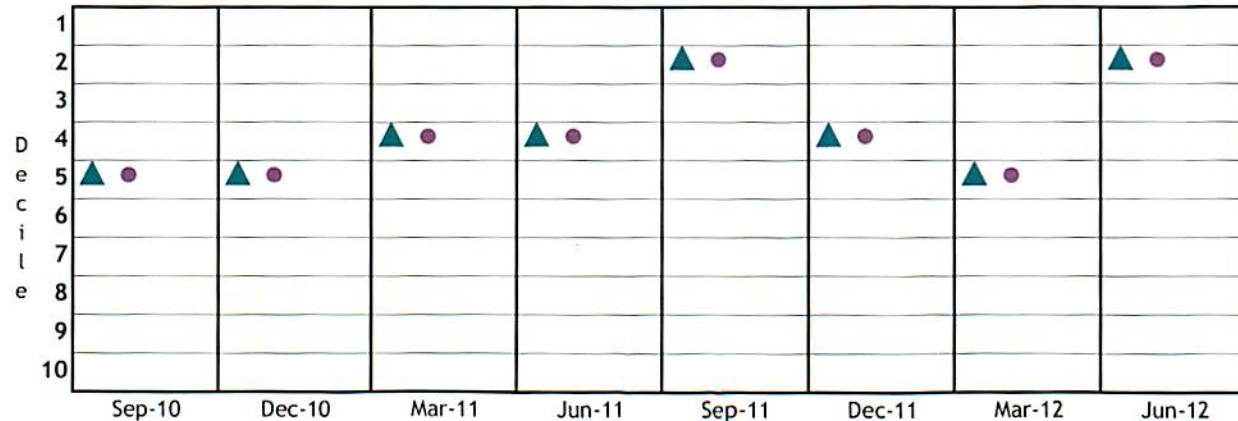
Universe for Decile Rankings: Large Blend

Prior Seven Calendar Years



▲ Vanguard 500 Index Signal
● S&P 500

Periods Ended



Short Term

▲ Vanguard 500 Index Signal
● S&P 500

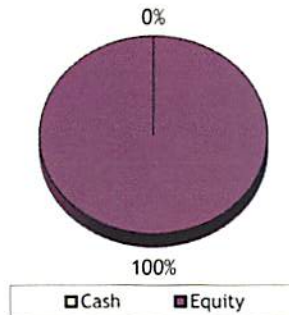
Vanguard Mid Cap Index Signal

As of 9/30/2012



Asset Allocation

Investment Style: Mid-Cap Blend
 Inception Date: Sep-10
 Market Value: \$1,854,299
 % of Total Assets: 2.3%
 Product Type: Mutual Fund
 Index Benchmark: MSCI Mid Cap 450



Investment Philosophy

The Fund seeks to track the performance of a benchmark index that measures the investment return of mid-capitalization stocks. The fund employs a “passive management”—or indexing—investment approach designed to track the performance of the MSCI® US Mid Cap 450 Index, a broadly diversified index of stocks of medium-size U.S. companies. The fund attempts to replicate the target index by investing all, or substantially all, of its assets in the stocks that make up the index, holding each stock in approximately the same proportion as its weighting in the index.

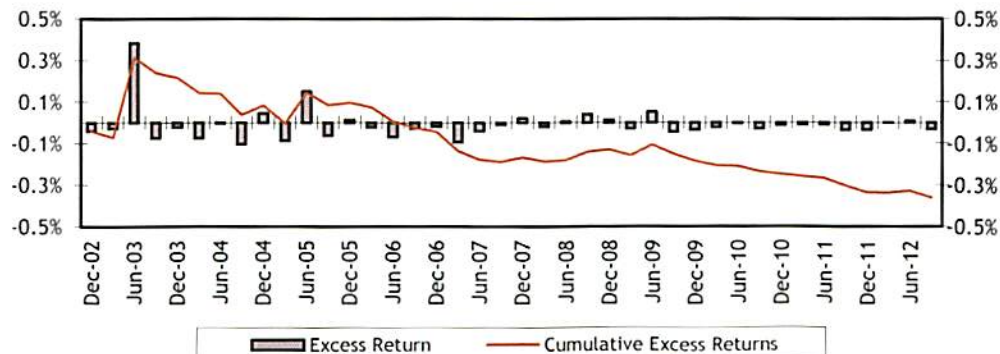
Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	1,763
Net Contributions (Distributions):	0
Gain (Loss):	92
Ending Market Value:	1,854

Portfolio Characteristics

	ROE	P/E	P/B	Median Mkt. Cap.	Dividend Yield	EPS 5Yr. Growth Rate
Portfolio	13.90	19.40	2.17	6.53		9.10
Index	13.90	19.40	2.20	6.50		9.10

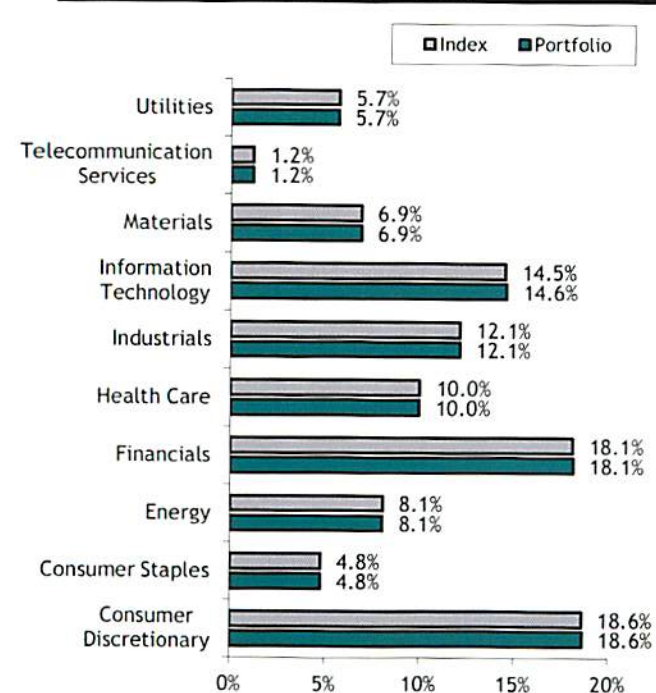
Cumulative Excess Return



Ten Largest Holdings

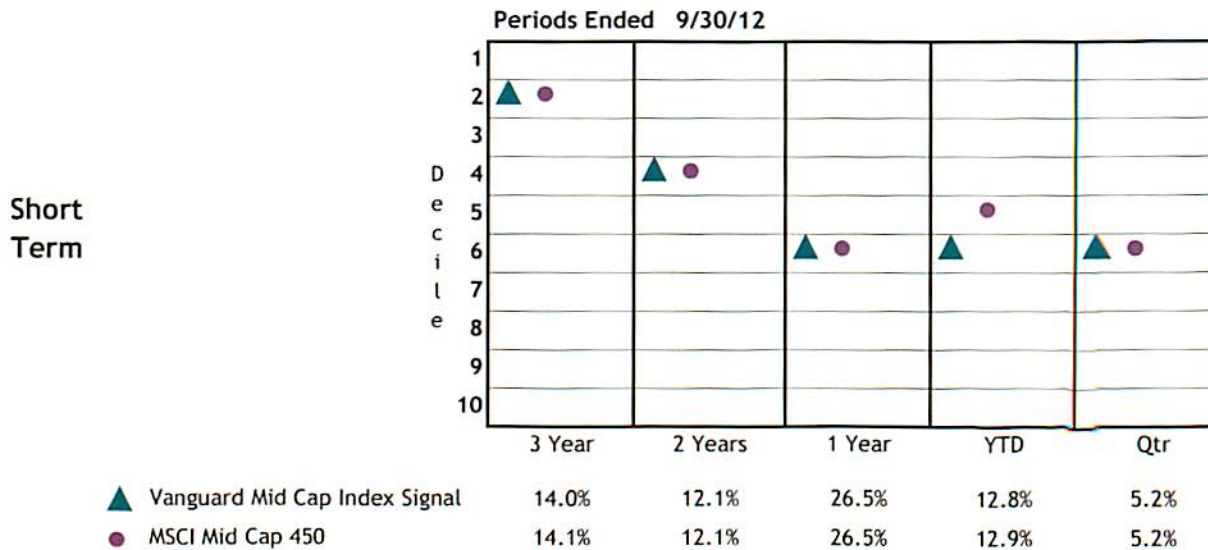
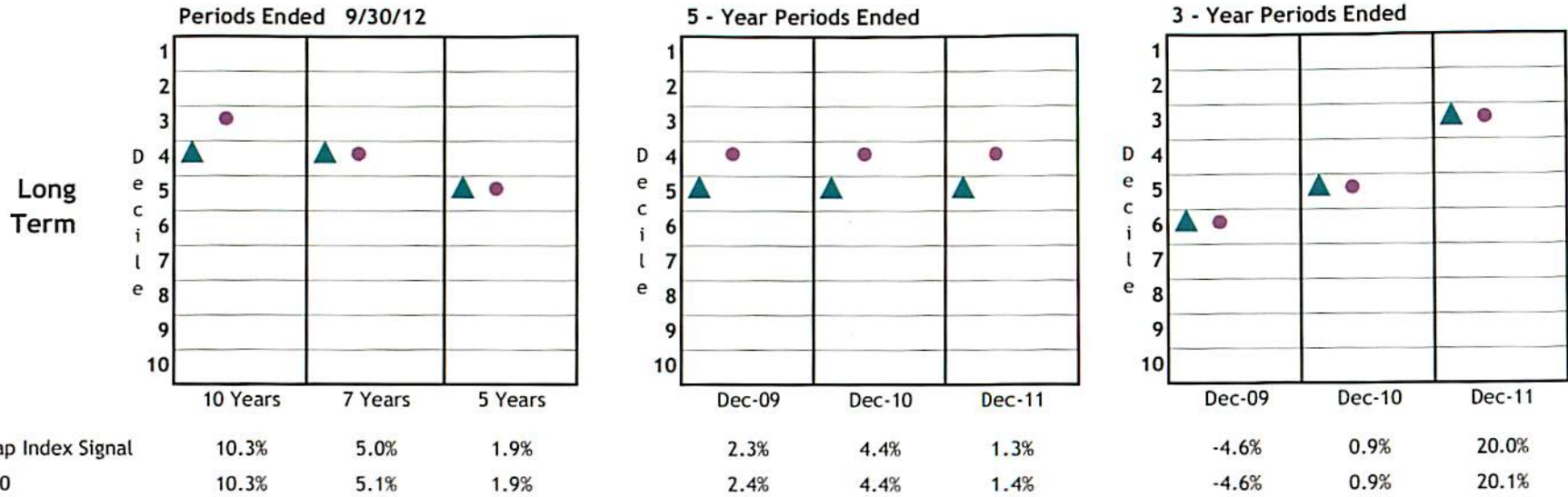
Security	% of Portfolio
1. Liberty Global Inc	
2. Health Care REIT Inc	
3. Ross Stores Inc	
4. CF Industries Holdings Inc	
5. Sherwin-Williams Co/The	
6. AvalonBay Communities Inc	
7. Teradata Corp	
8. WW Grainger Inc	
9. Edwards Lifesciences Corp	
10. Pioneer Natural Resources Co	

Sector Distribution



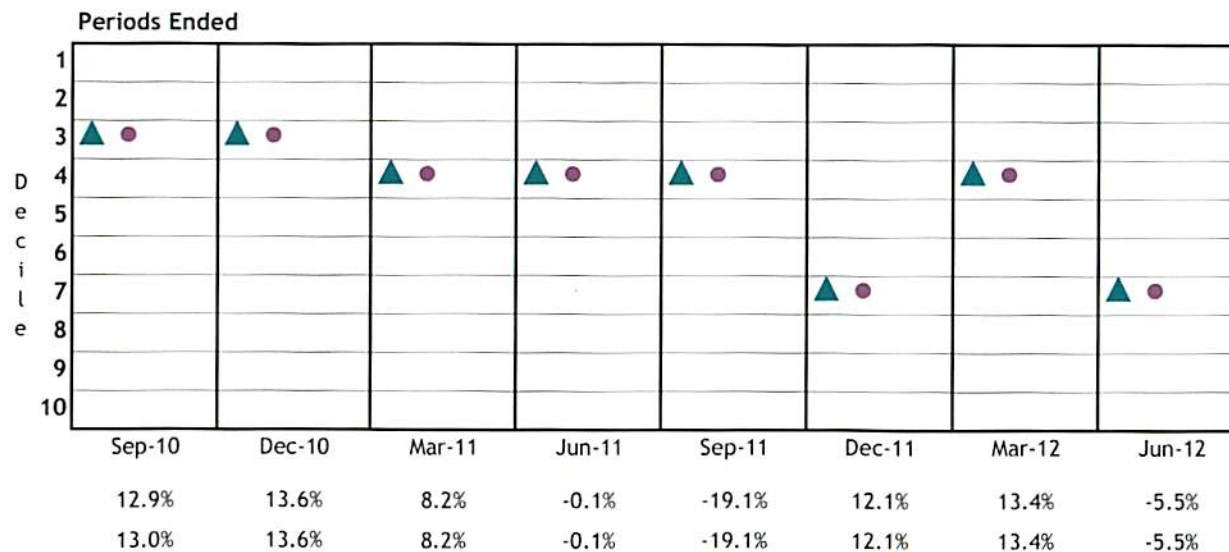
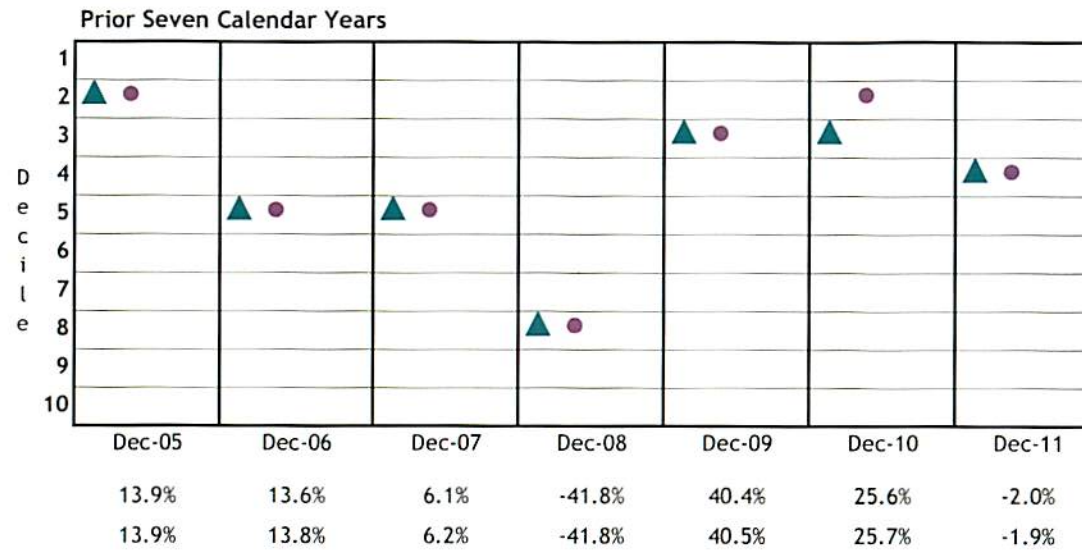
Vanguard Mid Cap Index Signal

Universe for Decile Rankings: Mid-Cap Blend



Vanguard Mid Cap Index Signal

Universe for Decile Rankings: Mid-Cap Blend



Short Term

Loomis Sayles Sm Growth Instl

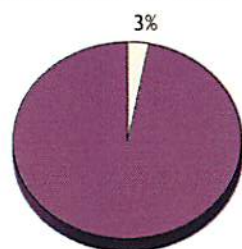
As of 9/30/2012



* - Current quarter unavailable, previous quarter data shown

Asset Allocation

Investment Style: Small Growth
Inception Date: Sep-10
Market Value: \$964,584
% of Total Assets: 1.2%
Product Type: Mutual Fund
Index Benchmark: Russell 2000 Growth



97% Equity
3% Cash

Investment Philosophy

The investment seeks long-term capital growth. The fund normally invests at least 80% of assets in equity securities of small companies with market capitalizations that fall within the capitalization range of the Russell 2000 index. It invests 20% of assets in companies of any size. The fund invests any portion of assets in securities of Canadian issuers and up to 20% of assets in other foreign securities, including emerging markets securities. It engages in foreign currency transactions, options and futures transactions, securities lending.

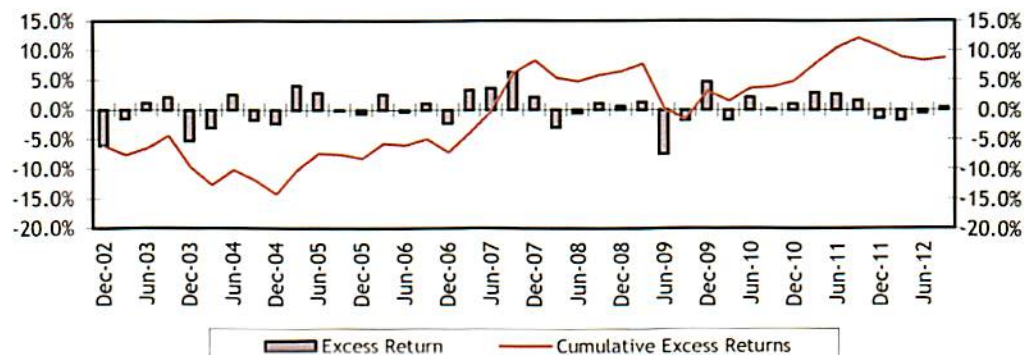
Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	916
Net Contributions (Distributions):	0
Gain (Loss):	48
Ending Market Value:	965

Portfolio Characteristics *

	ROE	P/E	P/B	Median Mkt. Cap.	Dividend Yield	EPS 5Yr. Growth Rate
Portfolio	11.54	27.93	5.61	1.36	0.19	18.59
Index	12.75	21.19	4.78	0.59	0.71	13.84

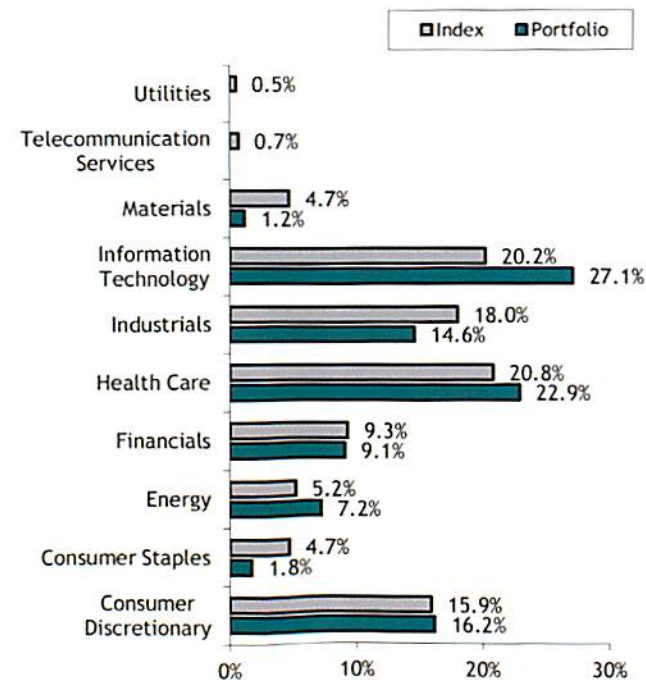
Cumulative Excess Return



Ten Largest Holdings

Security	% of Portfolio
1. Corporate Executive Brd Co	1.8%
2. DealerTrack Holdings Inc	1.6%
3. Ultimate Software Group Inc	1.5%
4. Chart Industries Inc	1.4%
5. Align Technology Inc	1.3%
6. Asbury Automotive Group Inc	1.3%
7. CoStar Group Inc	1.3%
8. Genesee & Wyoming Inc	1.3%
9. Oxford Industries Inc	1.3%
10. Texas Capital Bancshares Inc	1.3%

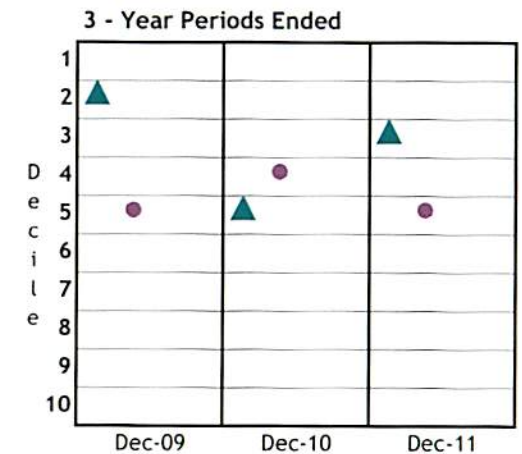
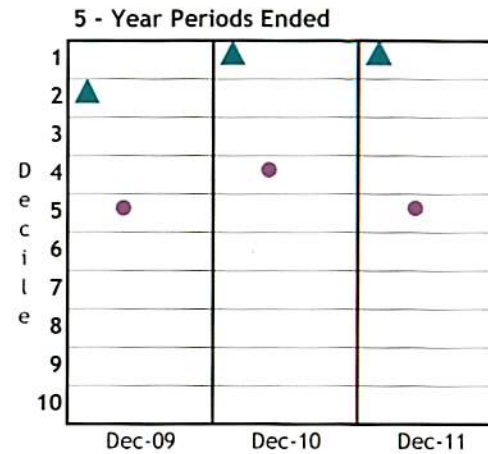
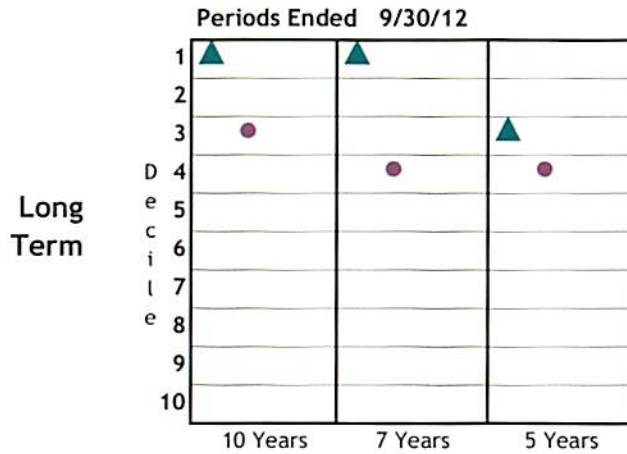
Sector Distribution



Loomis Sayles Sm Growth Instl



Universe for Decile Rankings: Small Growth

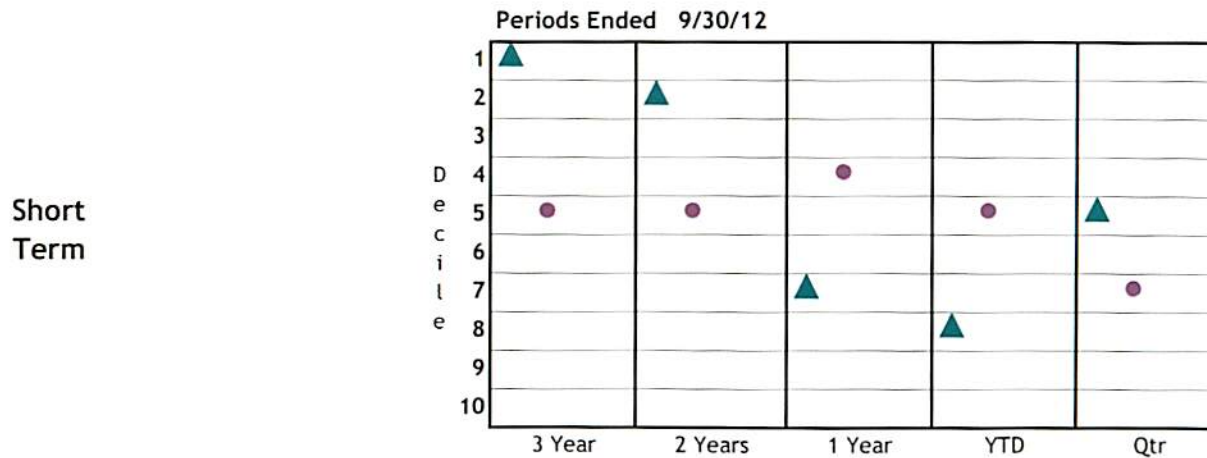


▲ Loomis Sayles Sm Growth Instl
● Russell 2000 Growth

11.7%	8.1%	3.8%
10.5%	5.5%	3.0%

4.5%	8.2%	6.0%
0.9%	5.3%	2.1%

-0.5%	1.4%	21.4%
-4.0%	2.2%	19.0%



▲ Loomis Sayles Sm Growth Instl
● Russell 2000 Growth

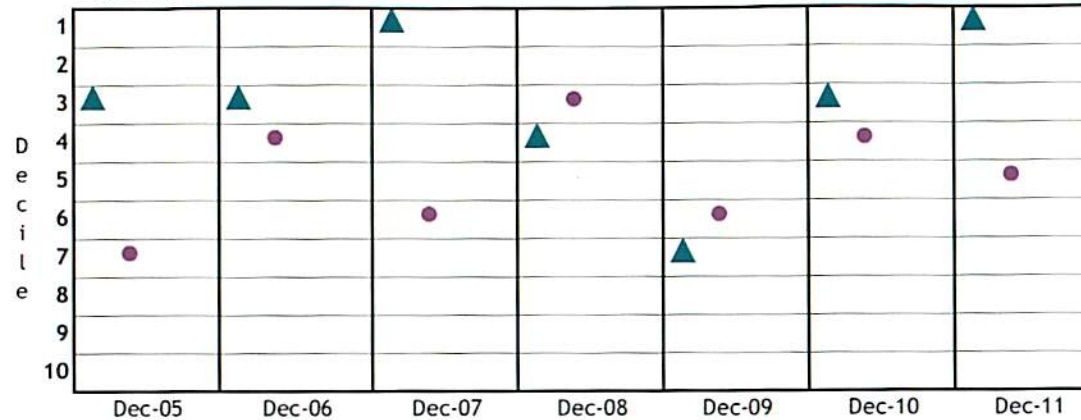
18.3%	16.9%	27.3%	12.1%	5.3%
14.2%	13.9%	31.2%	14.1%	4.8%

Loomis Sayles Sm Growth Instl



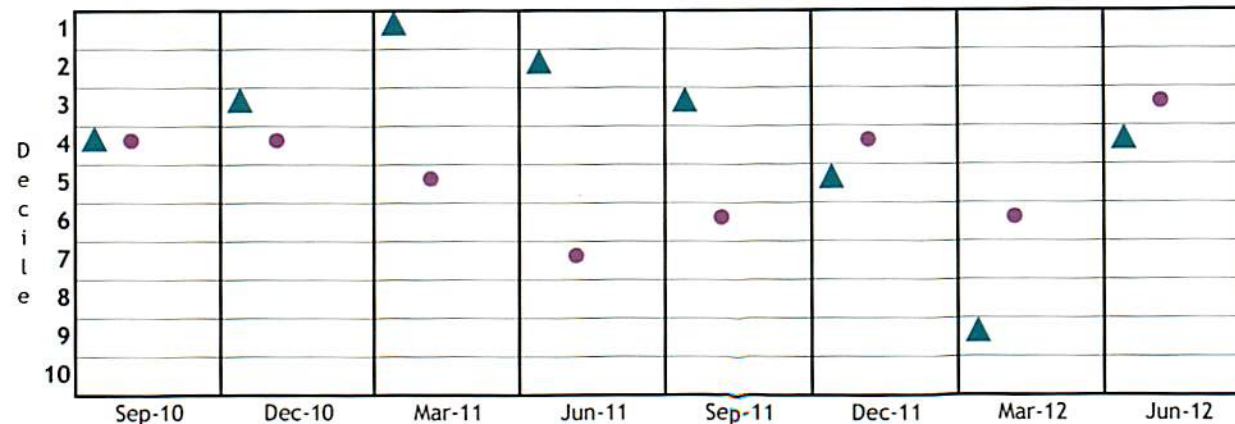
Universe for Decile Rankings: *Small Growth*

Prior Seven Calendar Years



- ▲ Loomis Sayles Sm Growth Instl
- Russell 2000 Growth

Periods Ended



Short Term

- ▲ Loomis Sayles Sm Growth Instl
- Russell 2000 Growth

	13.1%	18.1%	12.1%	2.1%	-20.6%	13.5%	11.5%	-4.5%
	12.8%	17.1%	9.2%	-0.6%	-22.3%	15.0%	13.3%	-3.9%

Munder Veracity Sm-Cap Value Y

As of 9/30/2012



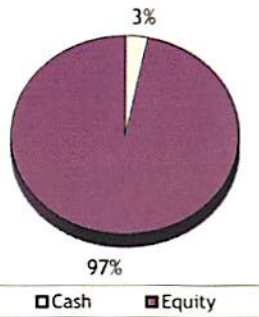
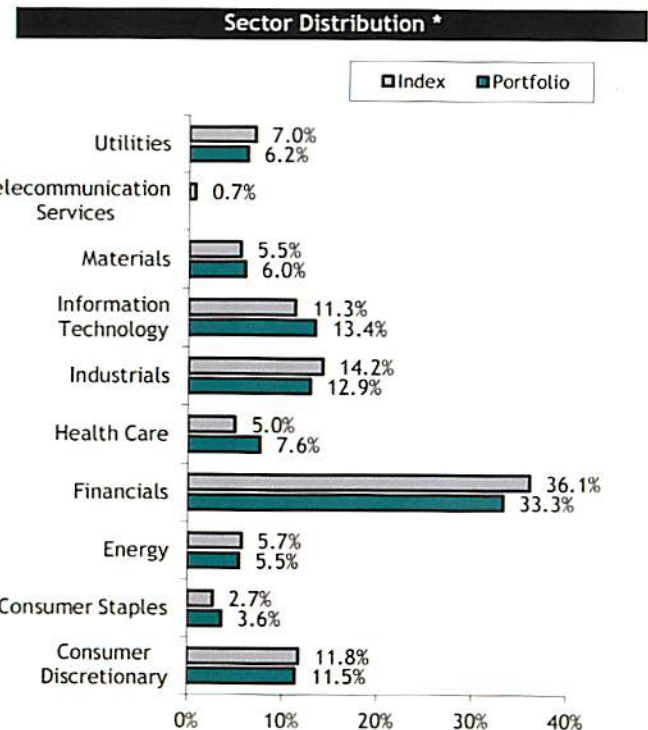
* - Current quarter unavailable, previous quarter data shown

Asset Allocation	
Investment Style:	Small Value
Inception Date:	Sep-10
Market Value:	\$884,833
% of Total Assets:	1.1%
Product Type:	Mutual Fund
Index Benchmark:	Russell 2000 Value

Investment Philosophy
Veracity Small Cap Value Fund is an open-end fund incorporated in the USA. The fund's objective is to achieve long-term capital growth. The Fund normally invests at least 80% of its assets in common stocks of US companies with market capitalizations of less than \$2 billion at the time of investment and by holding a broad number (100-150) securities in the portfolio.

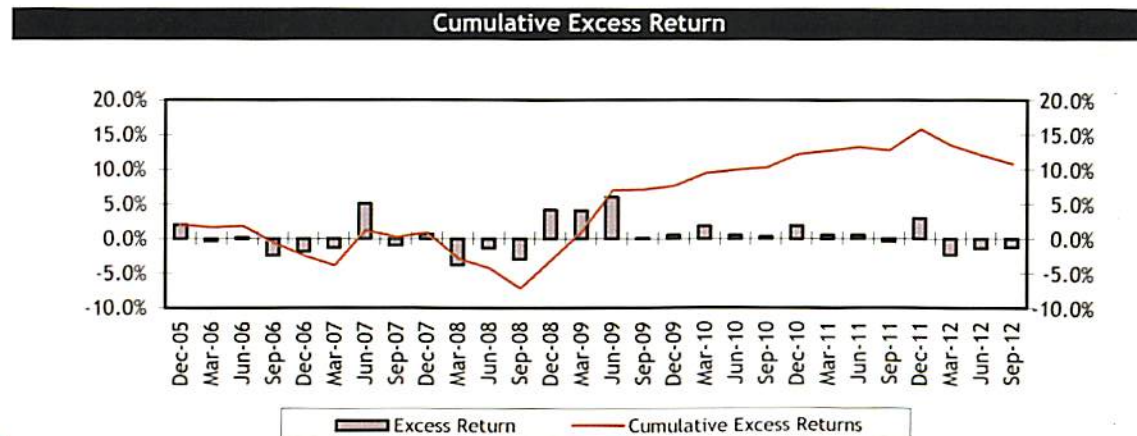
Characteristics are not available for this fund.

Ten Largest Holdings *	
Security	% of Portfolio
1. Wintrust Financial Corp	1.5%
2. Bancorpsouth Inc	1.4%
3. PNM Resources Inc	1.4%
4. National Penn Bancshares Inc	1.3%
5. Ryland Group Inc	1.3%
6. Healthsouth Corp	1.3%
7. Hain Celestial Group Inc/The	1.3%
8. DiamondRock Hospitality Co	1.3%
9. Innophos Holdings Inc	1.2%
10. Amtrust Financial Services Inc	1.2%



Asset Growth (\$-thousands)	
	Qtr.
Beginning Mkt. Value:	848
Net Contributions (Distributions):	0
Gain (Loss):	37
Ending Market Value:	885

Portfolio Characteristics						
	ROE	P/E	P/B	Mkt. Cap.	Yield	Growth Rate
Portfolio						
Index						

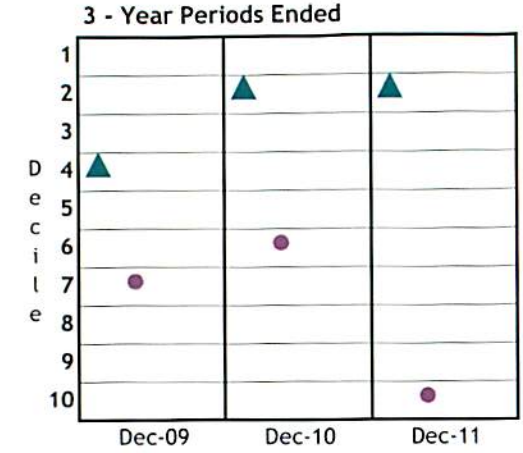
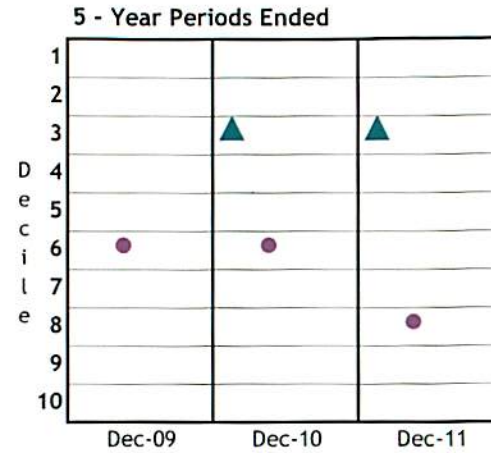
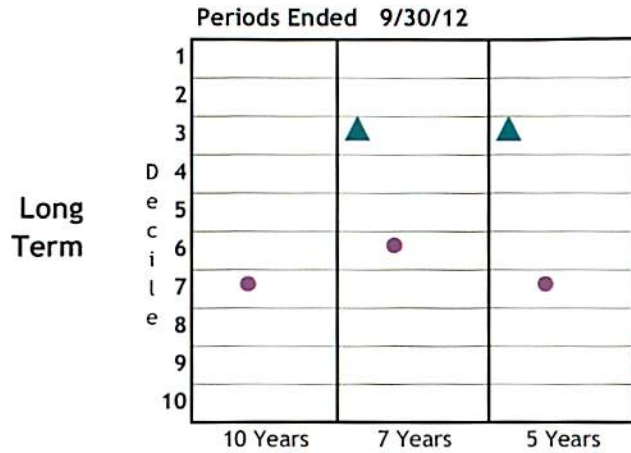


Munder Veracity Sm-Cap Value Y

Youngstown State University
University Investments



Universe for Decile Rankings: *Small Value*

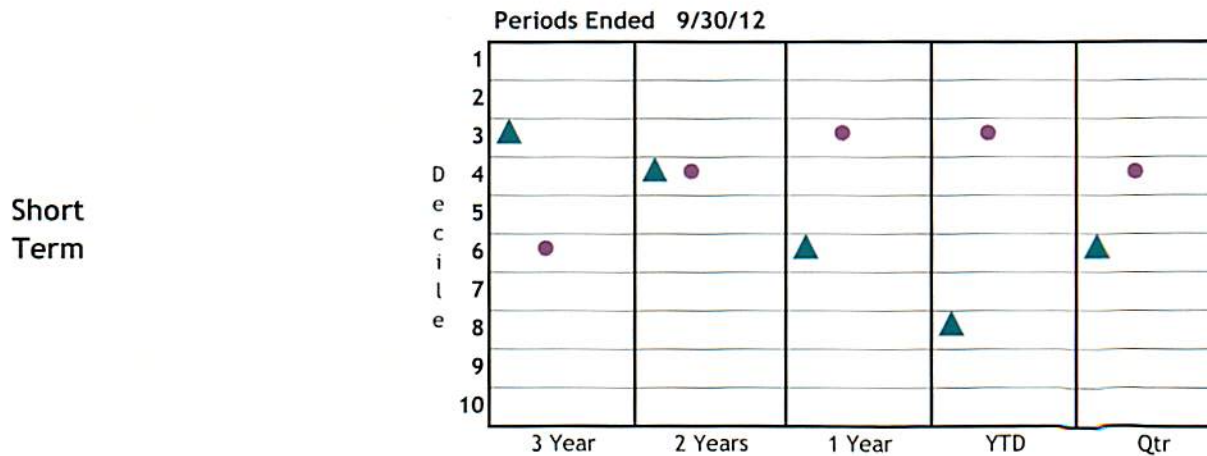


▲ Munder Veracity Sm-Cap Value Y
● Russell 2000 Value

10 Years	9.7%	3.7%	1.3%
7 Years	5.3%	3.7%	1.3%
5 Years	3.5%	1.3%	

Dec-09	0.0%	3.5%	-1.9%
Dec-10	5.7%	3.5%	-1.9%
Dec-11	1.7%	-1.9%	

Dec-09	-4.9%	-8.2%	
Dec-10	6.2%	2.2%	
Dec-11	19.2%	12.4%	

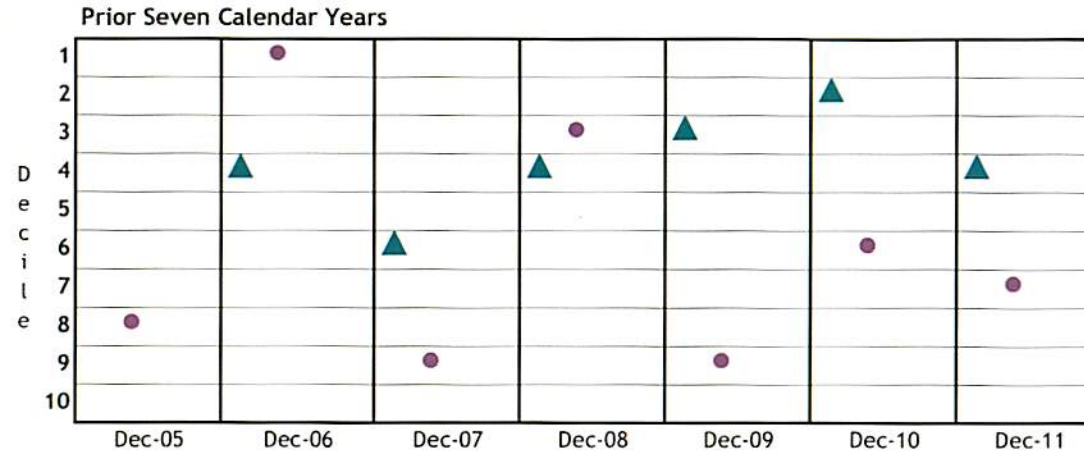


▲ Munder Veracity Sm-Cap Value Y
● Russell 2000 Value

3 Year	12.8%	11.7%
2 Years	11.6%	11.7%
1 Year	29.7%	32.6%
YTD	9.0%	14.4%
Qtr	4.4%	5.7%

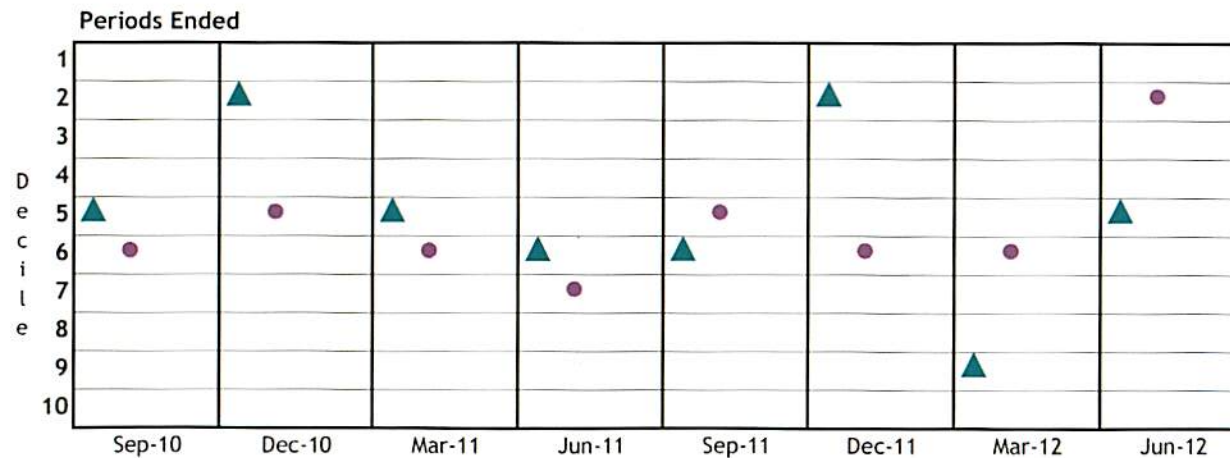
Munder Veracity Sm-Cap Value Y

Universe for Decile Rankings: *Small Value*



▲ Munder Veracity Sm-Cap Value Y
● Russell 2000 Value

	4.7%	18.3%	-6.9%	-31.1%	33.9%	29.7%	-2.6%
	4.7%	23.5%	-9.8%	-28.9%	20.6%	24.5%	-5.5%



Short
Term

▲ Munder Veracity Sm-Cap Value Y
● Russell 2000 Value

	10.1%	17.2%	7.1%	-2.1%	-21.9%	19.0%	9.3%	-4.4%
	9.7%	15.4%	6.6%	-2.7%	-21.5%	16.0%	11.6%	-3.0%

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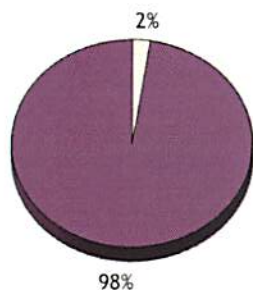
William Blair Int'l Gr I

As of 9/30/2012



Asset Allocation

Investment Style: International Equity
Inception Date: Jun-12
Market Value: \$823,886
% of Total Assets: 1.0%
Product Type: Mutual Fund
Index Benchmark: MSCI EAFE



□ Cash ■ Equity

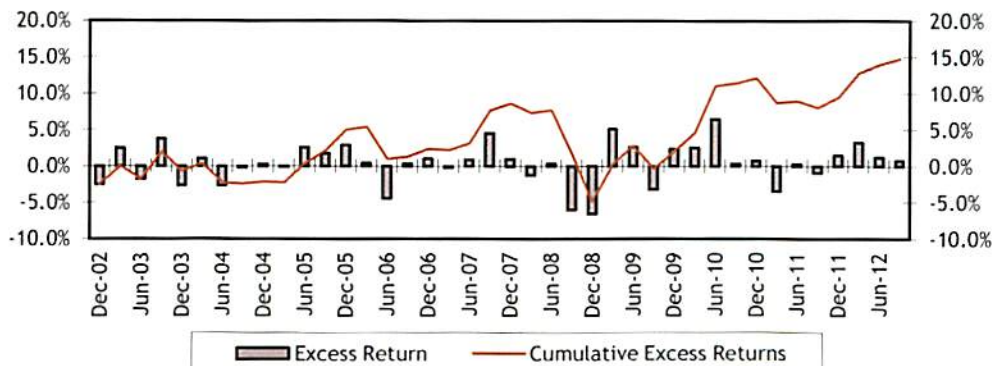
Investment Philosophy

The Fund seeks long-term capital appreciation. The Fund invests primarily in common stocks of foreign growth companies. The Fund's manager seeks stocks of well-managed, quality growth companies that are expected to maintain superior growth, profitability and quality relative to other companies in the same industry worldwide. The selection of individual stocks through in-depth, bottom-up research is the Fund's primary focus. Industry sector allocation and country selection are the next most important investment criteria. The Fund invests primarily in developed market economies, but will generally invest about 10-35% of its assets in emerging markets.

Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	764
Net Contributions (Distributions):	0
Gain (Loss):	59
Ending Market Value:	824

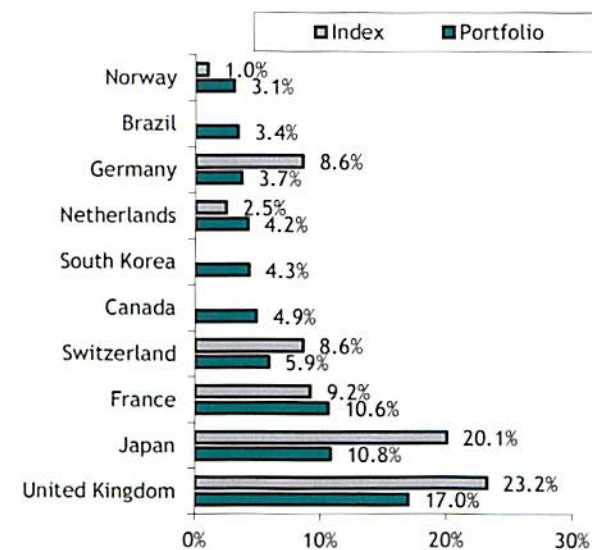
Cumulative Excess Return



Ten Largest Holdings

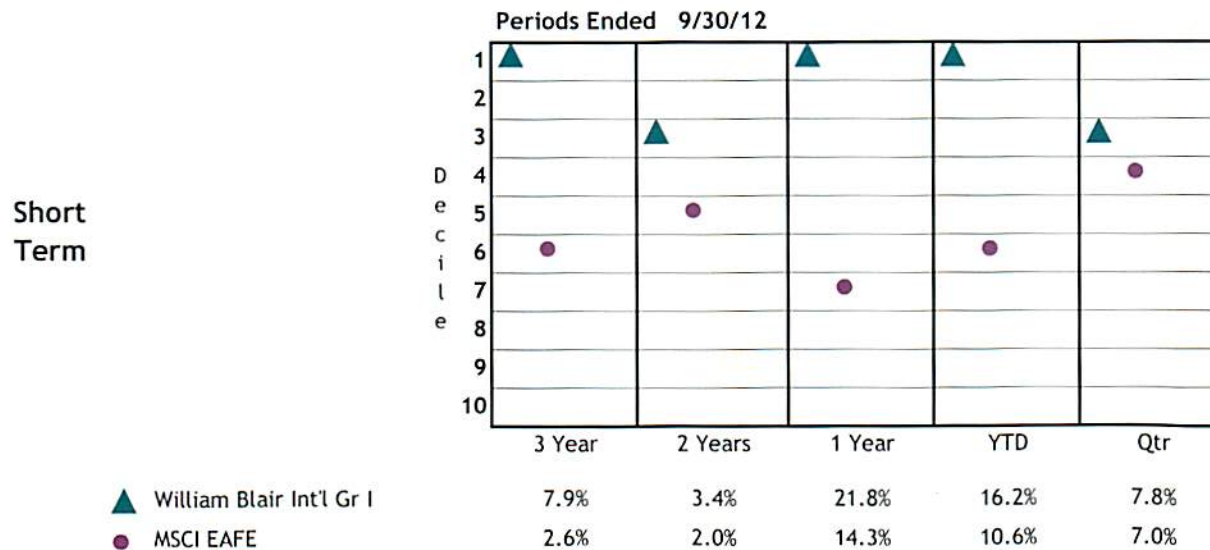
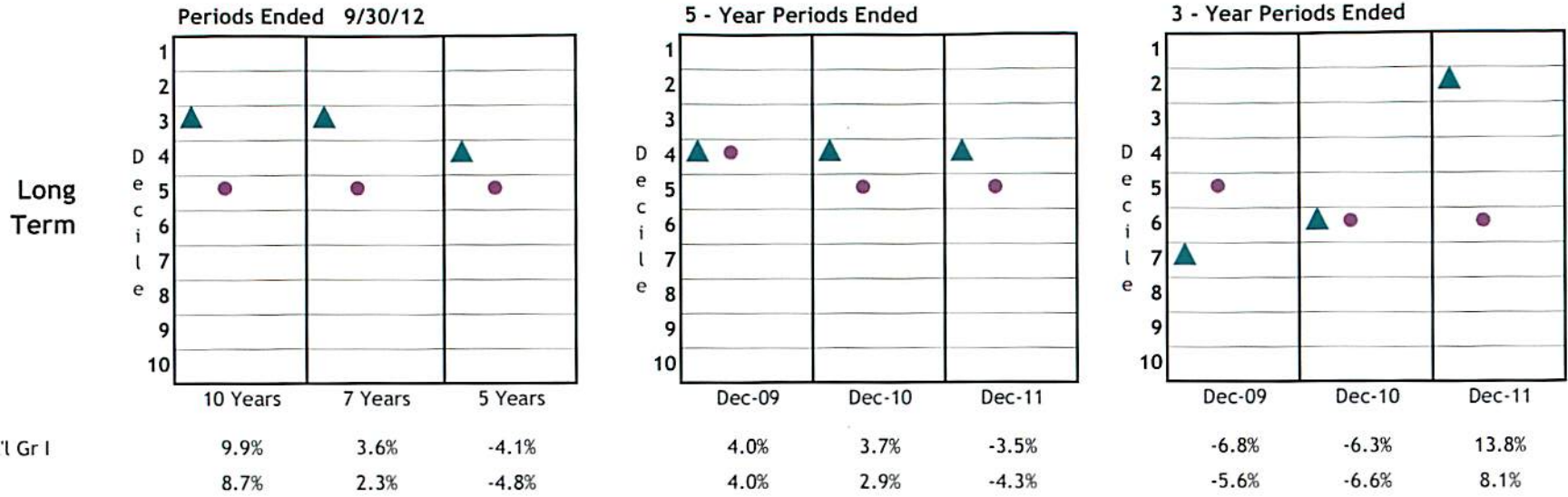
Security	% of Portfolio
1. BNP Paribas S.A.	2.4%
2. Sumitomo Mitsui Financial Group	2.0%
3. Royal Dutch Shell PLC	1.9%
4. Samsung Electronics Co Ltd	1.9%
5. Sanofi-Aventis SA	1.9%
6. Diageo	1.8%
7. AXA SA	1.7%
8. Nestle SA	1.7%
9. ORIX Corp	1.7%
10. Statoil ASA	1.7%

Top Ten Countries



William Blair Int'l Gr I

Universe for Decile Rankings: International Equity

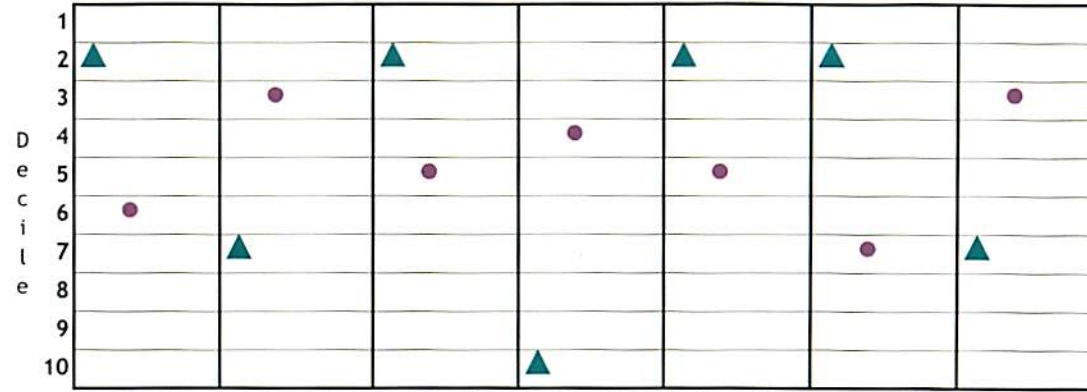


William Blair Int'l Gr I



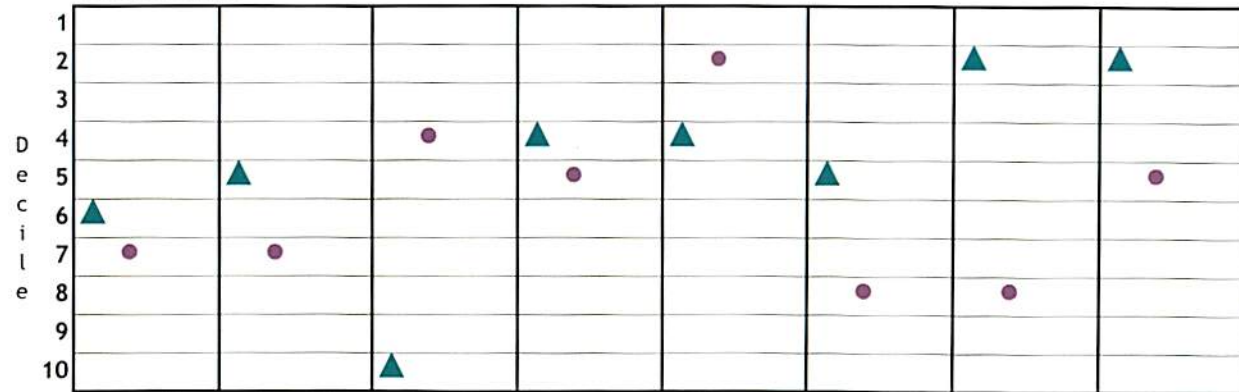
Universe for Decile Rankings: International Equity

Prior Seven Calendar Years



- ▲ William Blair Int'l Gr I
- MSCI EAFE

Periods Ended



Short Term

- ▲ William Blair Int'l Gr I
- MSCI EAFE

	22.0%	23.3%	18.5%	-52.2%	42.6%	20.5%	-14.2%
	14.0%	26.9%	11.6%	-43.1%	32.5%	8.2%	-11.8%

	16.9%	7.4%	0.0%	2.1%	-19.9%	4.8%	14.2%	-5.6%
	16.5%	6.7%	3.4%	1.8%	-19.0%	3.4%	11.0%	-6.9%

Dodge & Cox Internat'l Stock

As of 9/30/2012

Youngstown State University

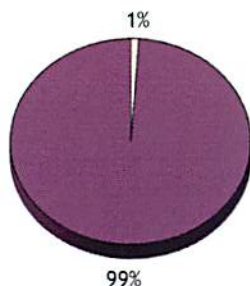
University Investments



* - Current quarter unavailable, previous quarter data shown

Asset Allocation

Investment Style: International Equity
 Inception Date: Sep-10
 Market Value: \$1,182,894
 % of Total Assets: 1.5%
 Product Type: Mutual Fund
 Index Benchmark: MSCI EAFE



Legend: ■ Cash ■ Equity

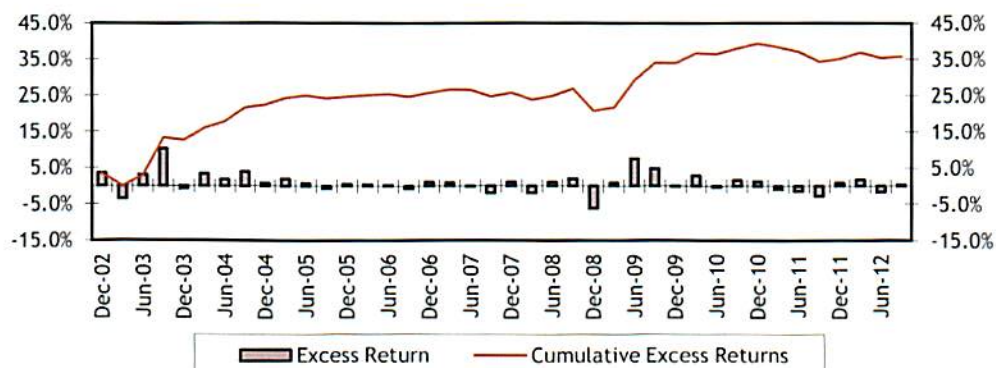
Investment Philosophy

The Fund invests primarily in a diversified portfolio of equity securities issued by non-U.S. companies from at least three different foreign countries, including emerging markets. The Fund focuses on countries whose economic and political systems appear more stable and are believed to provide some protection to foreign shareholders. The Fund invests primarily in medium-to-large well established companies based on standards of the applicable market.

Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	1,101
Net Contributions (Distributions):	0
Gain (Loss):	82
Ending Market Value:	1,183

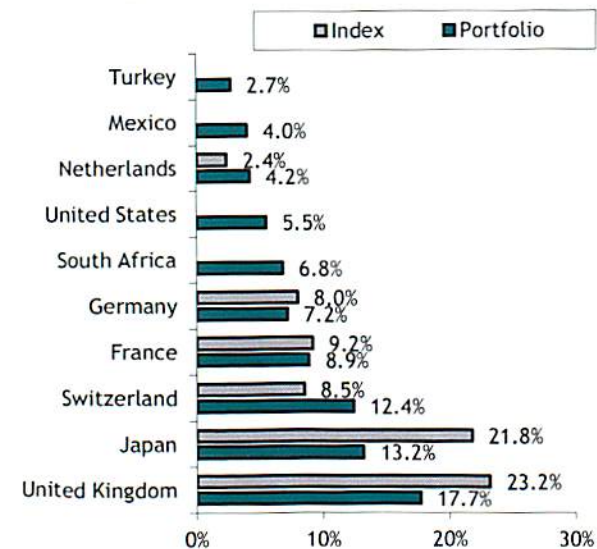
Cumulative Excess Return



Ten Largest Holdings

Security	% of Portfolio
1. Naspers Ltd	4.1%
2. Sanofi-Aventis SA	3.6%
3. Roche Holding AG	3.5%
4. GlaxoSmithKline PLC	3.1%
5. Lafarge SA	3.0%
6. Vodafone Group PLC	3.0%
7. Bayer AG	2.9%
8. Koninklijke Philips Electronics NV	2.8%
9. Novartis AG	2.8%
10. HSBC Holdings PLC	2.7%

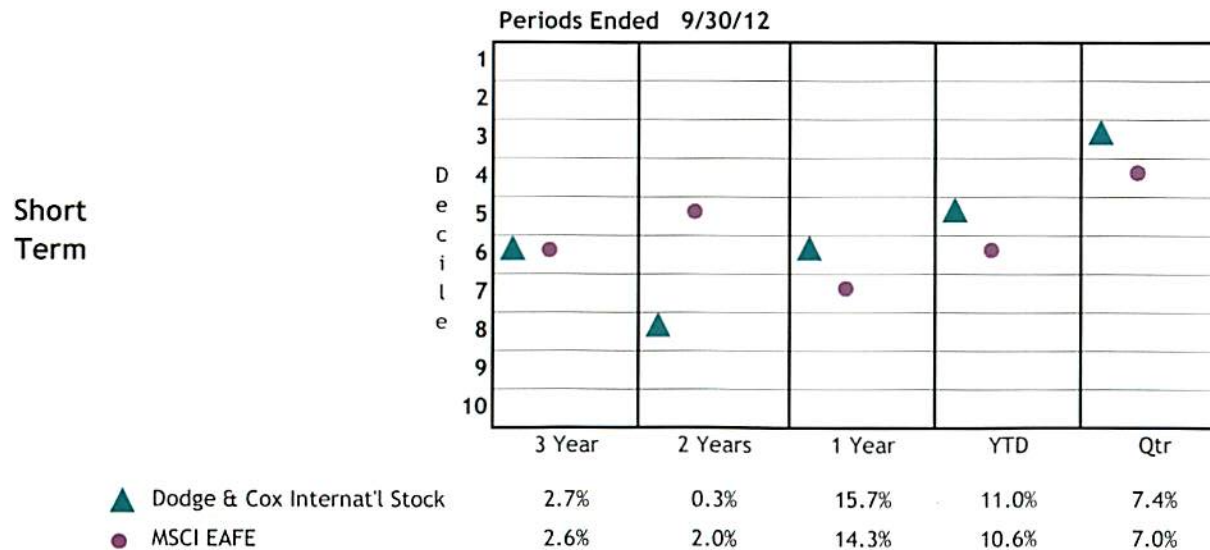
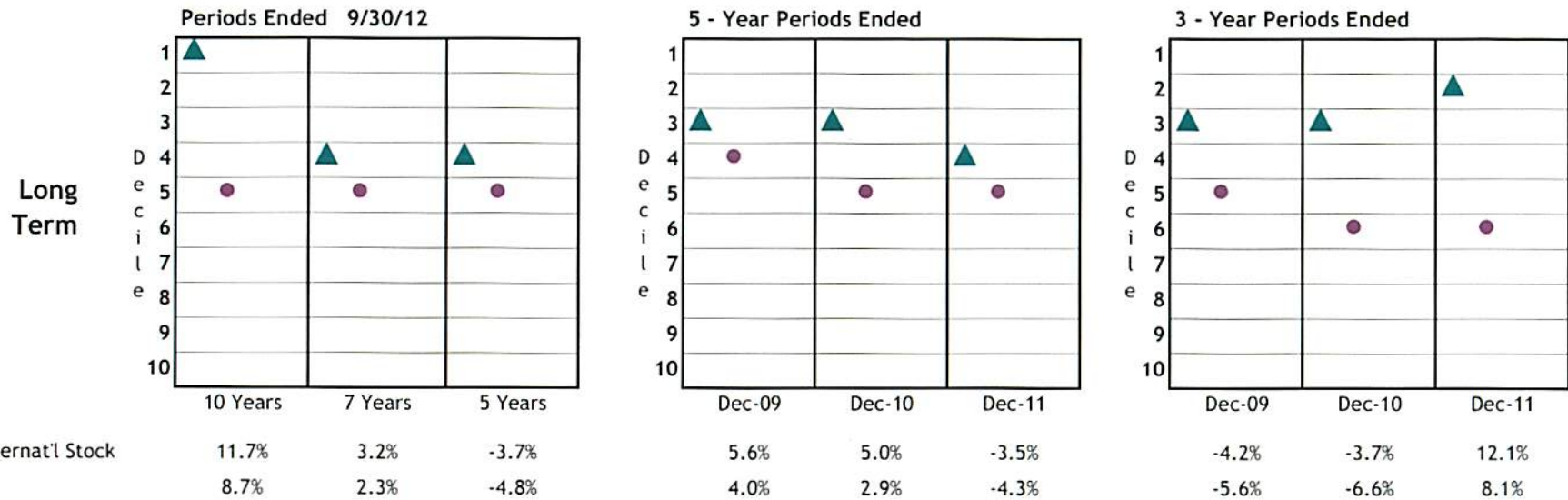
Top Ten Countries *



Dodge & Cox Internat'l Stock



Universe for Decile Rankings: International Equity



Dodge & Cox Internat'l Stock



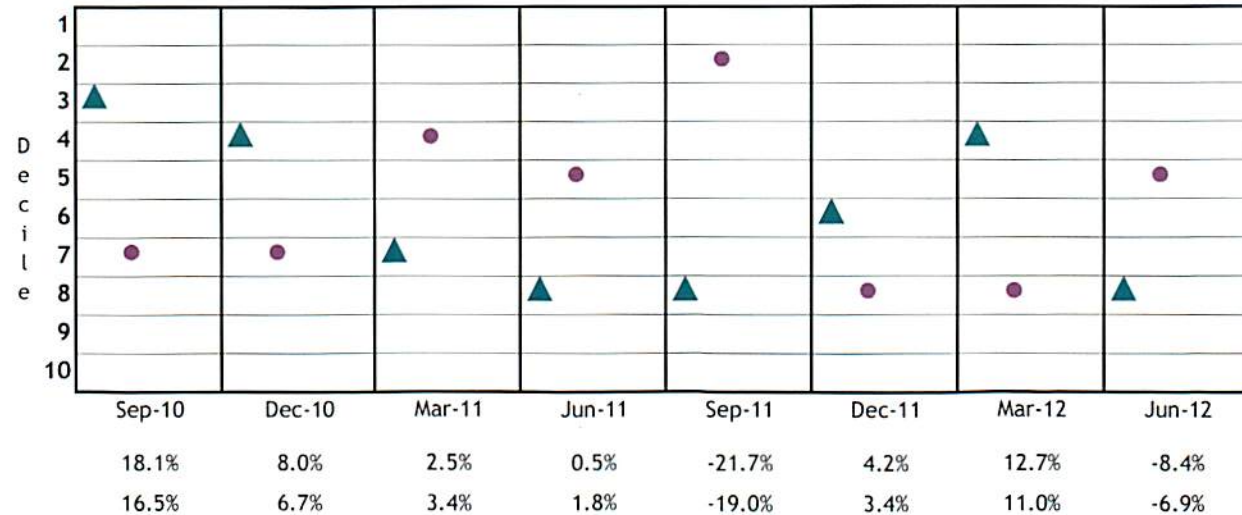
Universe for Decile Rankings: International Equity

Prior Seven Calendar Years



- ▲ Dodge & Cox Internat'l Stock
- MSCI EAFE

Periods Ended



- ▲ Dodge & Cox Internat'l Stock
- MSCI EAFE

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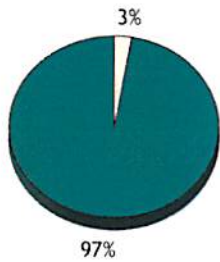
JPMorgan Core Bond Ultra

As of 9/30/2012



Asset Allocation

Investment Style: Intermediate-Term Bond
 Inception Date: Apr-11
 Market Value: \$6,810,264
 % of Total Assets: 8.5%
 Product Type: Mutual Fund
 Index Benchmark: BarCap Aggregate Bond



□ Cash ■ Fixed Income

Investment Philosophy

The fund is invested in a broad range of intermediate- and long-term debt securities, including U.S. government and investment-grade corporate bonds, mortgage-backed securities, and securities representing interests in pools of assets such as motor-vehicle installment purchase obligations. The average weighted maturity is usually between six and twelve years.

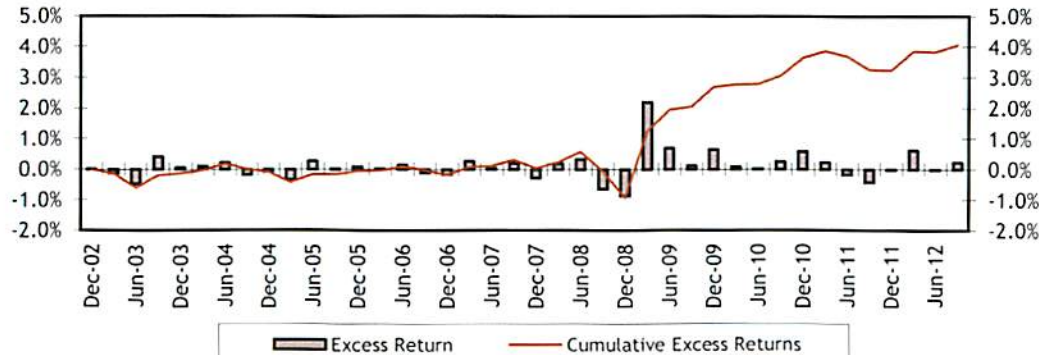
Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	6,688
Net Contributions (Distributions):	0
Gain (Loss):	122
Ending Market Value:	6,810

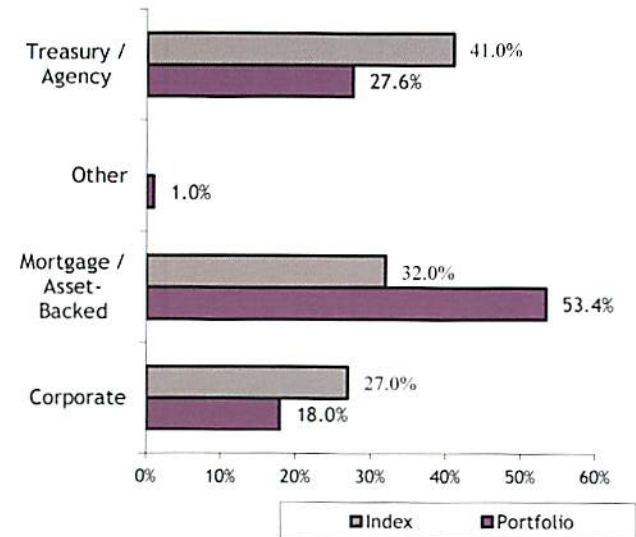
Portfolio Characteristics

	Maturity	Duration
Portfolio	5.99	4.49
Index	6.73	4.85

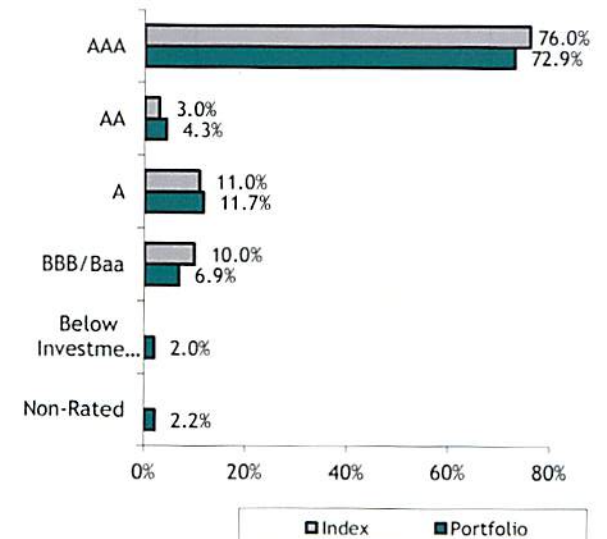
Cumulative Excess Return



Sector Distribution



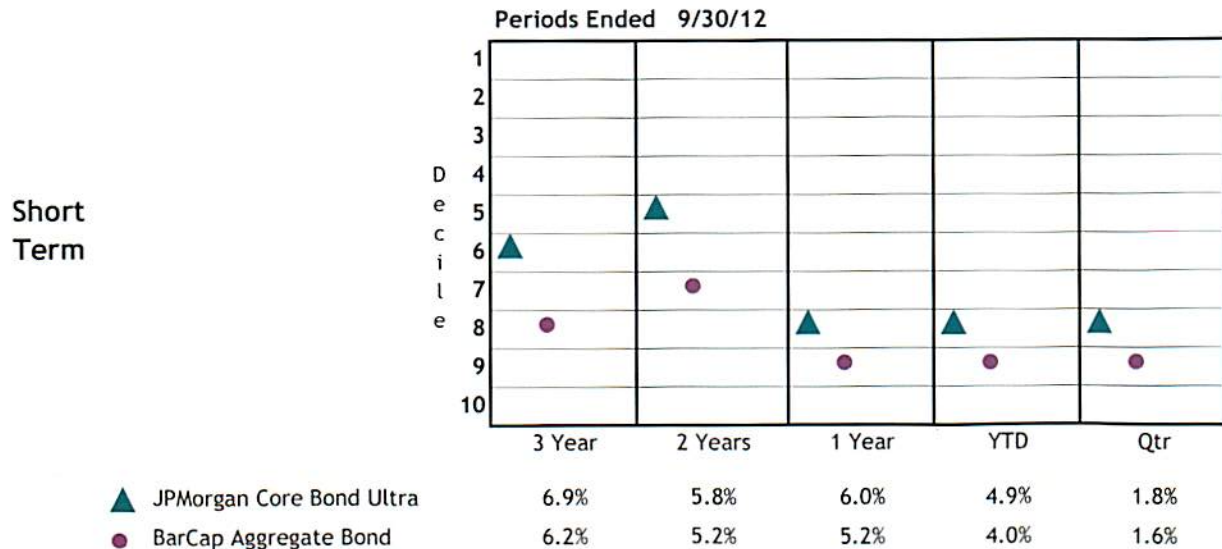
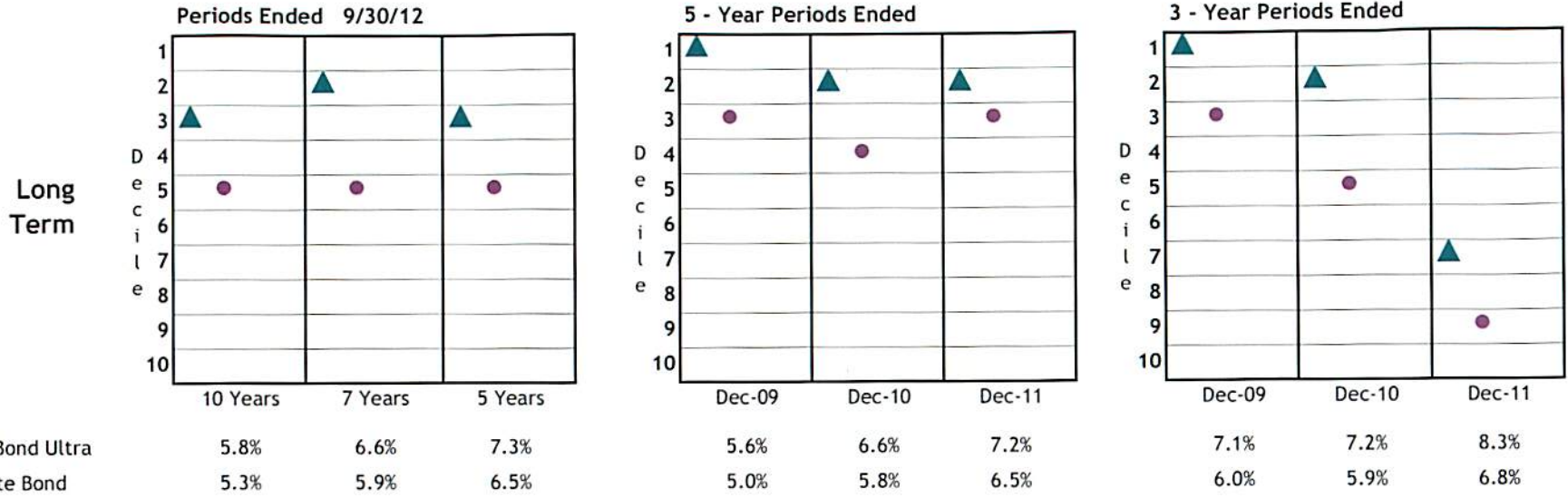
Quality Distribution



JPMorgan Core Bond Ultra



Universe for Decile Rankings: Intermediate-Term Bond



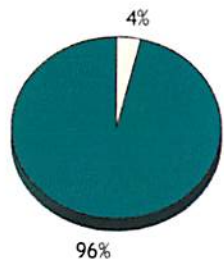
YSU Intermediate Term Bond

As of 9/30/2012



Asset Allocation

Investment Style: Intermediate-Term Bond
 Inception Date: Mar-04
 Market Value: \$6,614,025
 % of Total Assets: 8.3%
 Product Type: Separate Account
 Index Benchmark: BarCap Govt/Credit Int Bond



□ Cash ■ Fixed Income

Investment Philosophy

PNC manages an intermediate fixed income strategy for YSU. Management normally invests at least 80% of assets in foreign and domestic investment-grade debt securities. It may invest up to 20% of assets in preferred stocks and other investments. It typically maintains an average weighted maturity between three and ten years.

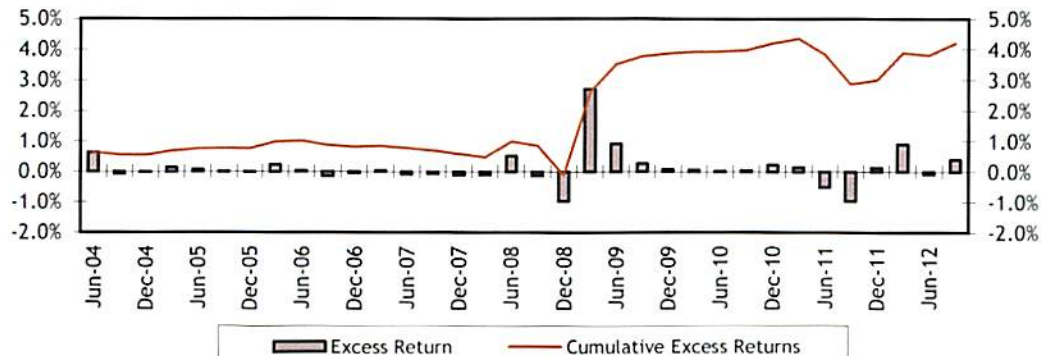
Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	6,495
Net Contributions (Distributions):	0
Gain (Loss):	119
Ending Market Value:	6,614

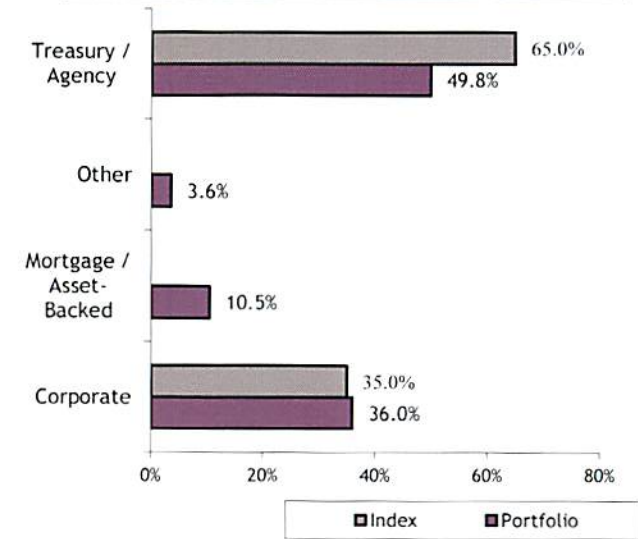
Portfolio Characteristics

	Maturity	Duration
Portfolio	4.10	3.63
Index	4.30	3.92

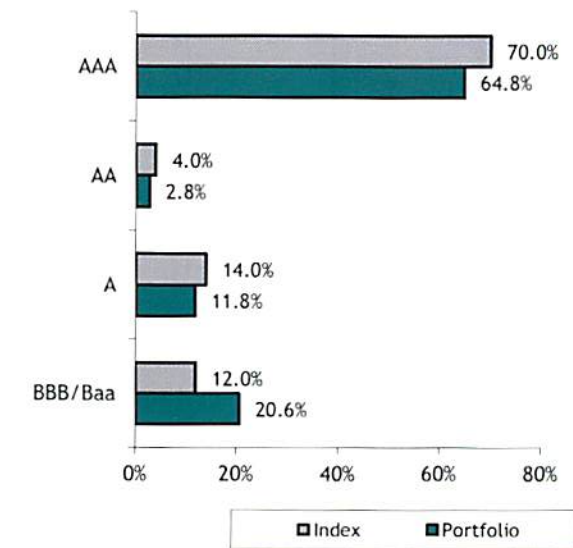
Cumulative Excess Return



Sector Distribution

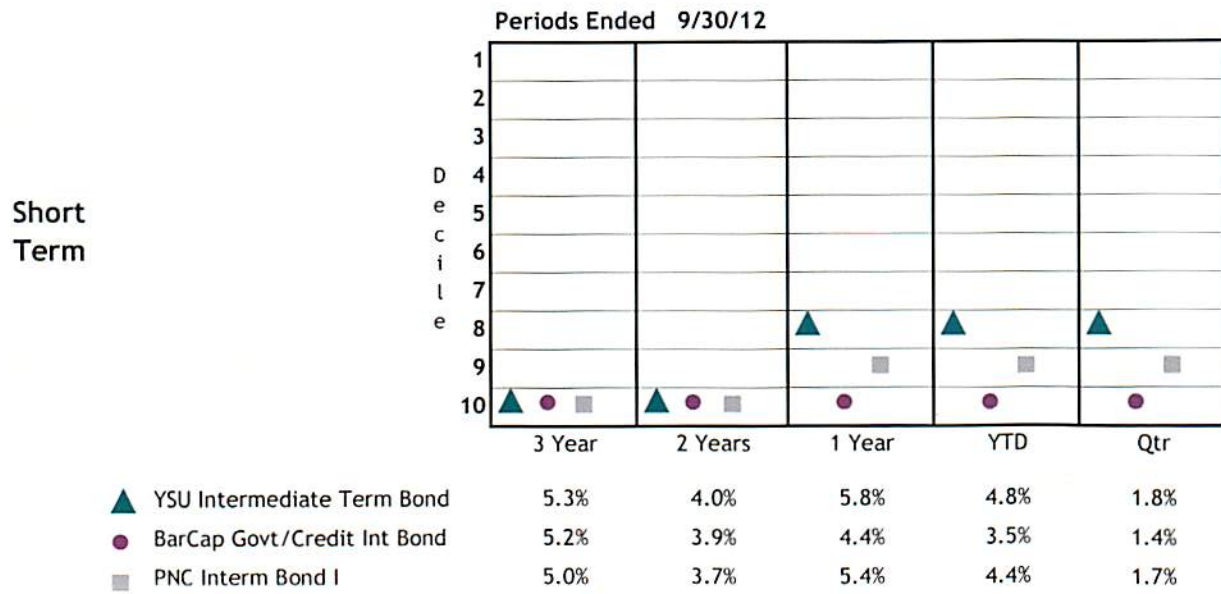
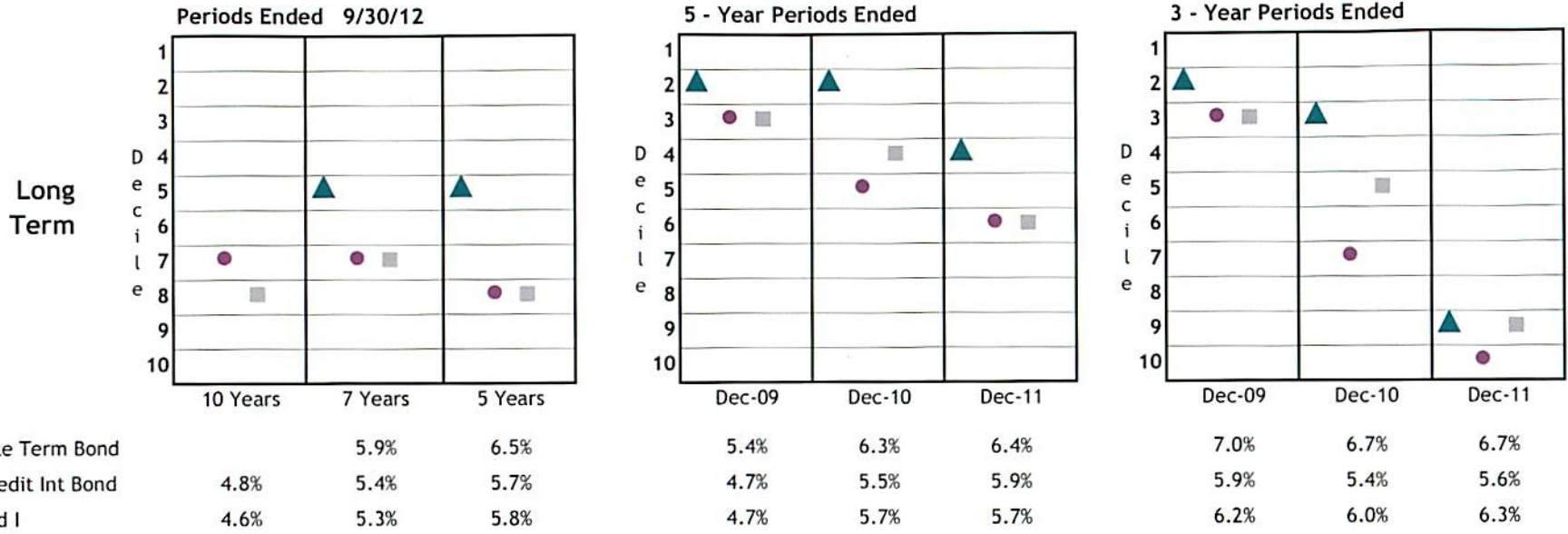


Quality Distribution



YSU Intermediate Term Bond

Universe for Decile Rankings: Intermediate-Term Bond



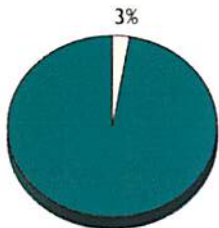
Vanguard Short-Term Federal Adm

As of 9/30/2012



Asset Allocation

Investment Style: Short Government
Inception Date: Sep-10
Market Value: \$534,679
% of Total Assets: 0.7%
Product Type: Mutual Fund
Index Benchmark: BarCap Government 1-5 Yr



□ Cash ■ Fixed Income

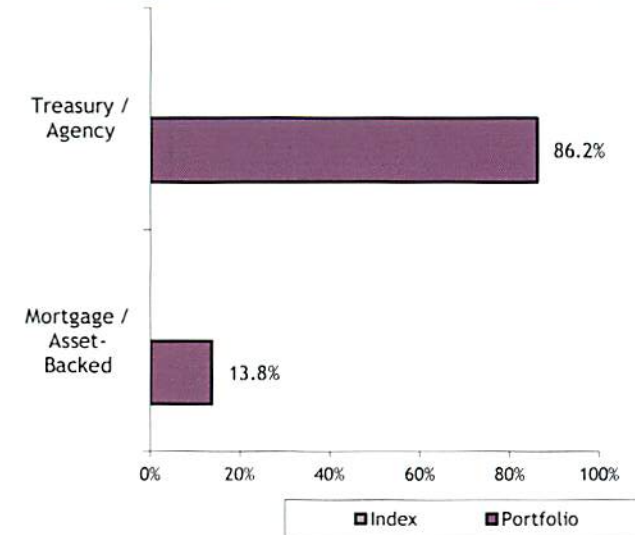
Investment Philosophy

Vanguard Short-Term Federal Adm invests at least 80% of its assets in short-term bonds issued by U.S. government agencies and instrumentalities, many of which are not backed by the full faith and credit of the U.S. government. The fund is expected to maintain a dollar-weighted average maturity of 1 to 3 years.

Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	531
Net Contributions (Distributions):	0
Gain (Loss):	3
Ending Market Value:	535

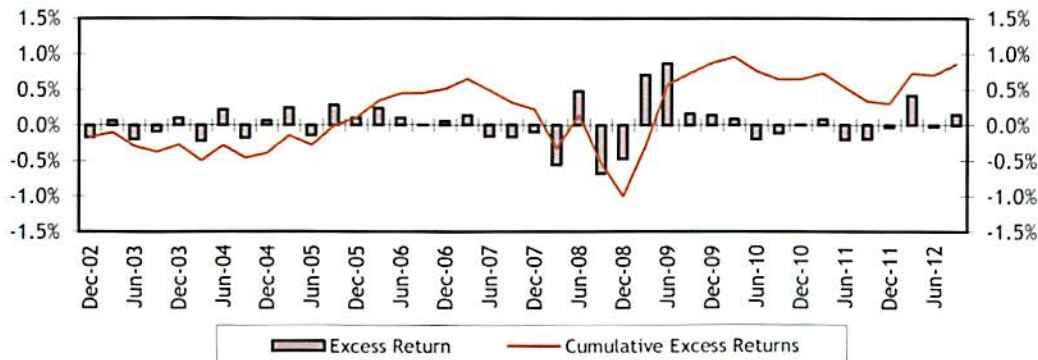
Sector Distribution



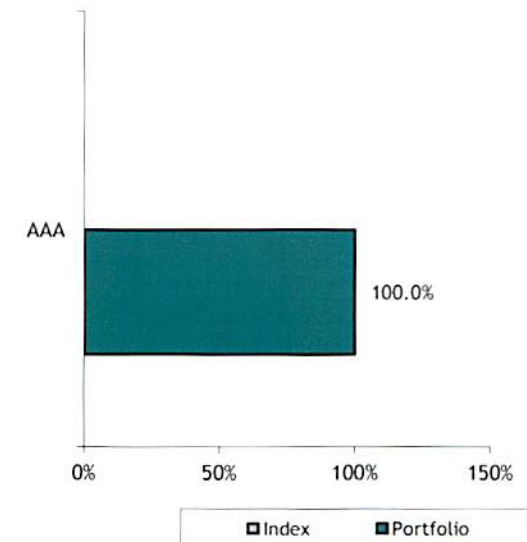
Portfolio Characteristics

	Maturity	Duration
Portfolio	2.40	2.10
Index		

Cumulative Excess Return

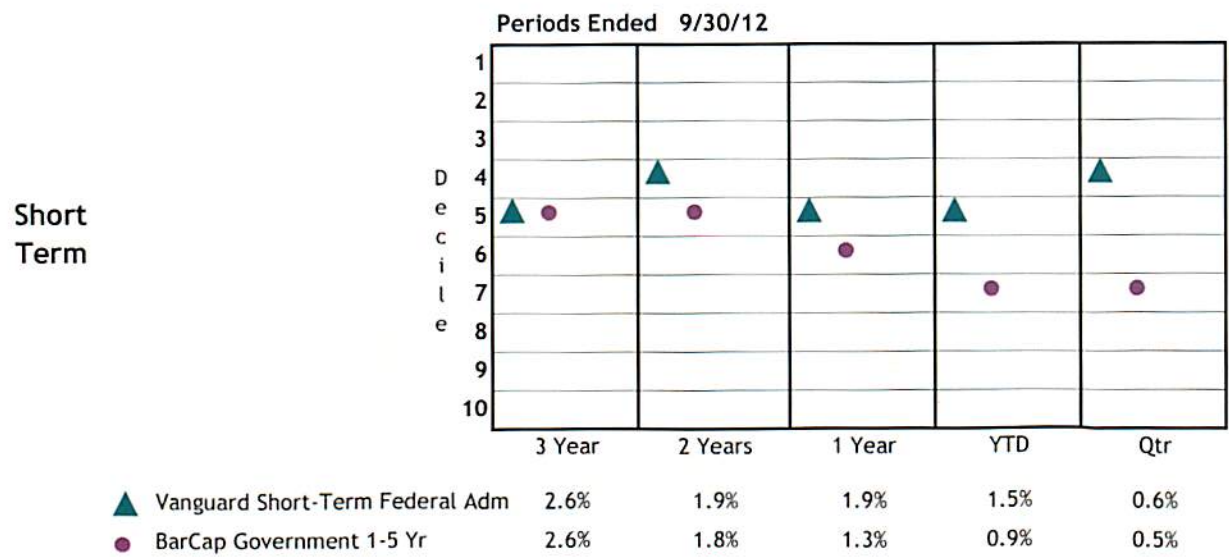
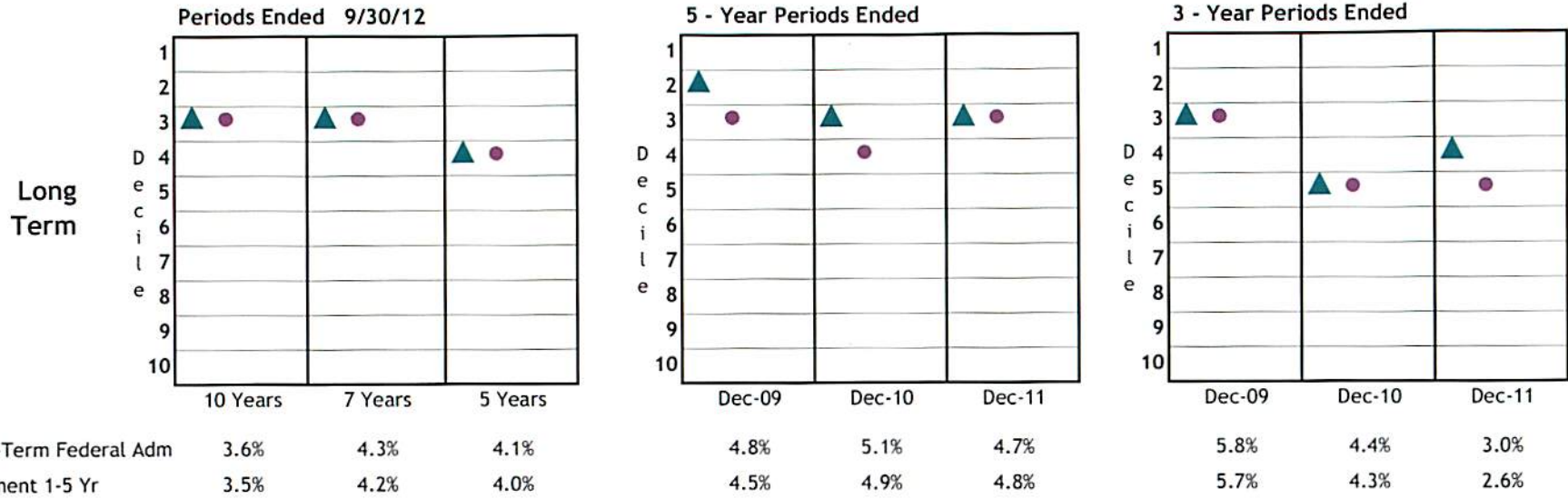


Quality Distribution



Vanguard Short-Term Federal Adm

Universe for Decile Rankings: Short Government



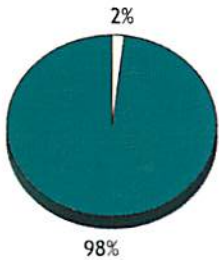
YSU Short Term Bond

As of 9/30/2012



Asset Allocation

Investment Style: Short-Term Bond
 Inception Date: Mar-04
 Market Value: \$14,855,677
 % of Total Assets: 18.6%
 Product Type: Separate Account
 Index Benchmark: ML Corp/Govt 1-3 Yrs



□ Cash ■ Fixed Income

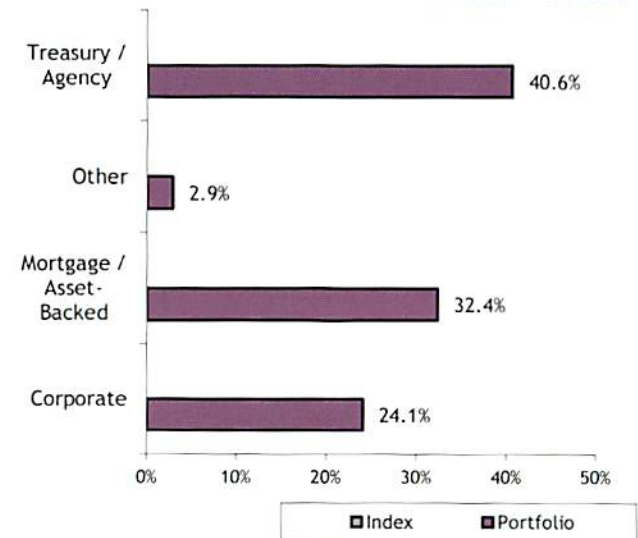
Investment Philosophy

PNC manages a short term bond strategy for YSU. Management typically invests at least 80% of assets in investment-grade debt securities of all types. The balance may be invested in preferred stocks and other investments. The product normally maintains a dollar-weighted average maturity of 1.5 to four years.

Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	14,736
Net Contributions (Distributions):	0
Gain (Loss):	120
Ending Market Value:	14,856

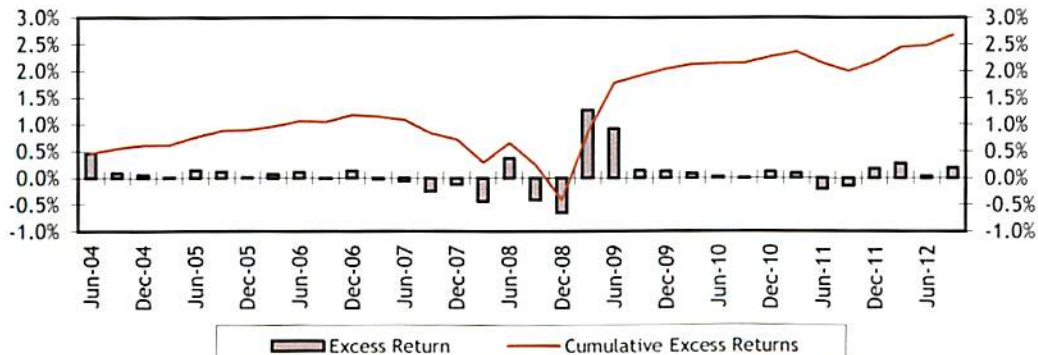
Sector Distribution



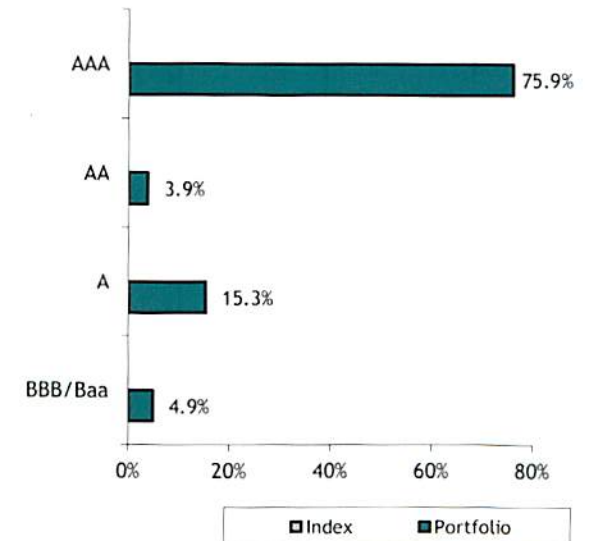
Portfolio Characteristics

	Maturity	Duration
Portfolio	1.93	1.63
Index	1.96	1.91

Cumulative Excess Return



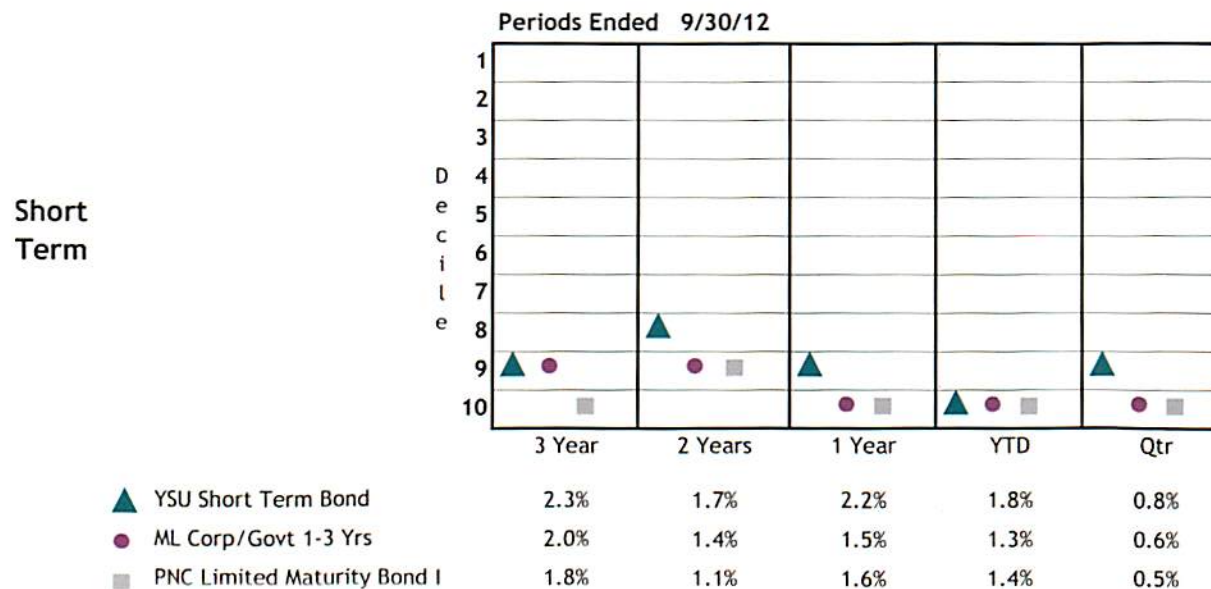
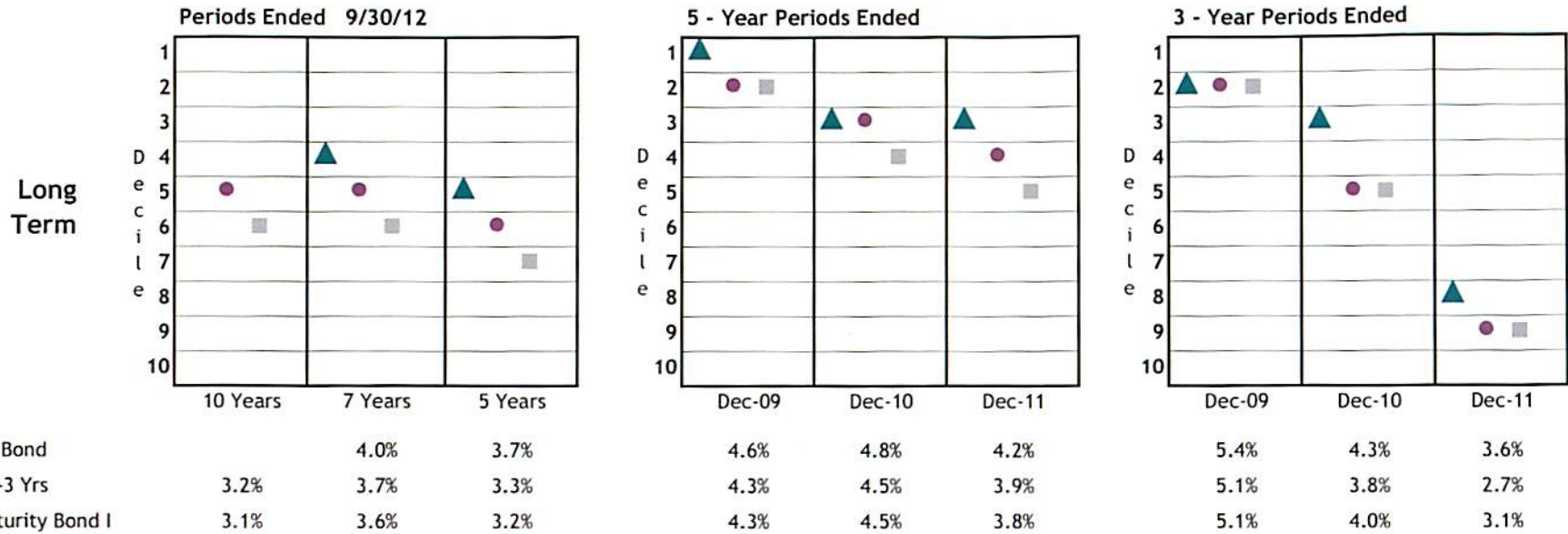
Quality Distribution



YSU Short Term Bond



Universe for Decile Rankings: Short-Term Bond



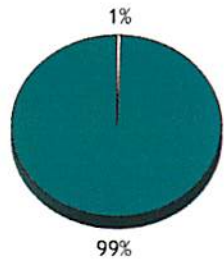
Vanguard Short-Term Bond Instl

As of 9/30/2012



Asset Allocation

Investment Style: Short-Term Bond
Inception Date: Dec-11
Market Value: \$5,331,937
% of Total Assets: 6.7%
Product Type: Mutual Fund
Index Benchmark: BarCap 1-5 Yr. Govt/Credit



Legend: ■ Cash ■ Fixed Income

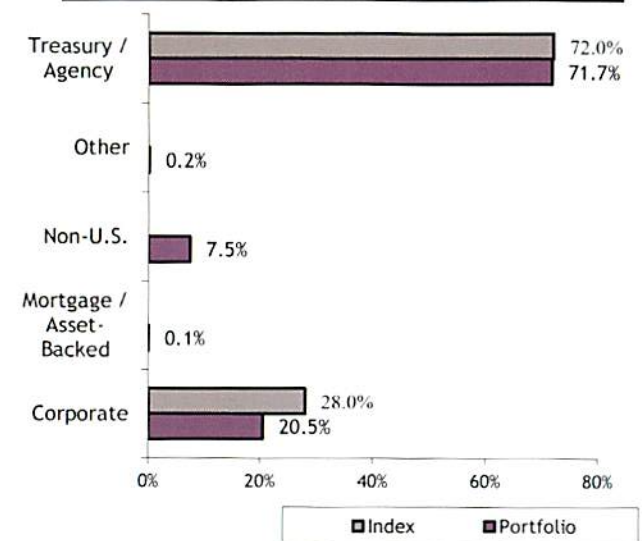
Investment Philosophy

The Vanguard Short-Term Bond Fund seeks to deliver investment results that parallel the performance of the Barclays Capital 1-5 Year Government/Credit Bond Index. It invests at least 80% of assets in bonds held by the index. The fund's dollar-weighted average maturity is not expected to exceed 3 years.

Asset Growth (\$-thousands)

	Qtr.
Beginning Mkt. Value:	5,287
Net Contributions (Distributions):	0
Gain (Loss):	45
Ending Market Value:	5,332

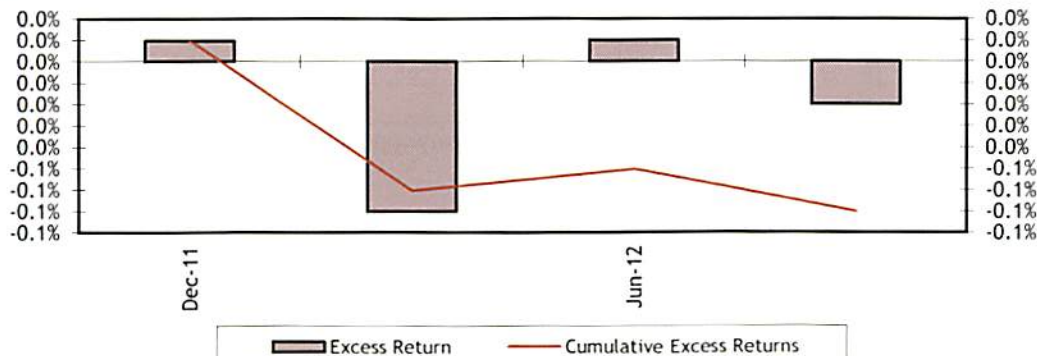
Sector Distribution



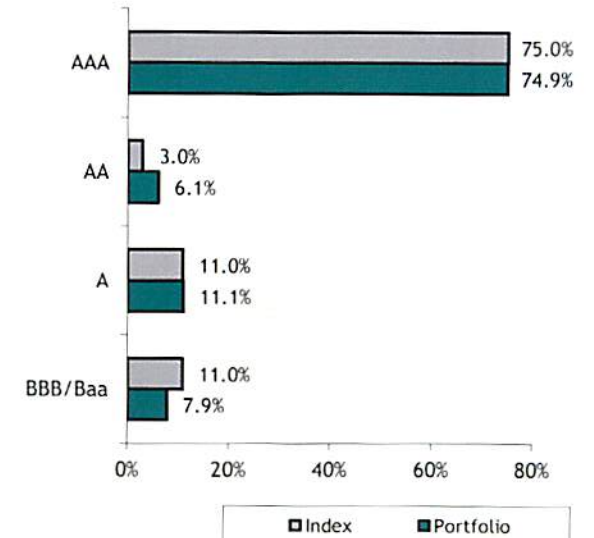
Portfolio Characteristics

	Maturity	Duration
Portfolio	2.80	2.70
Index	2.85	2.69

Cumulative Excess Return

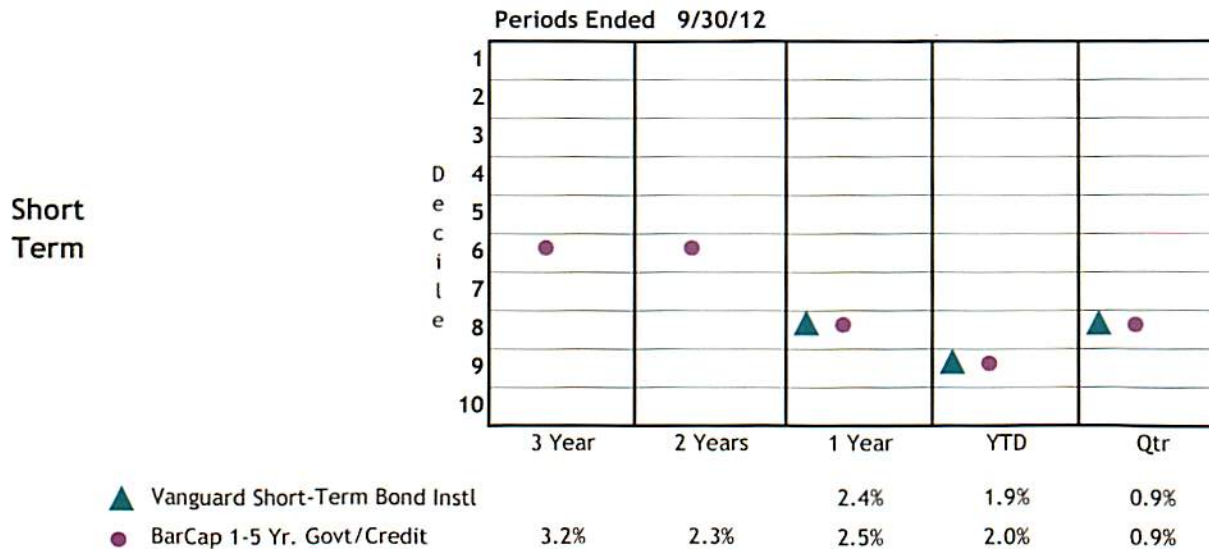
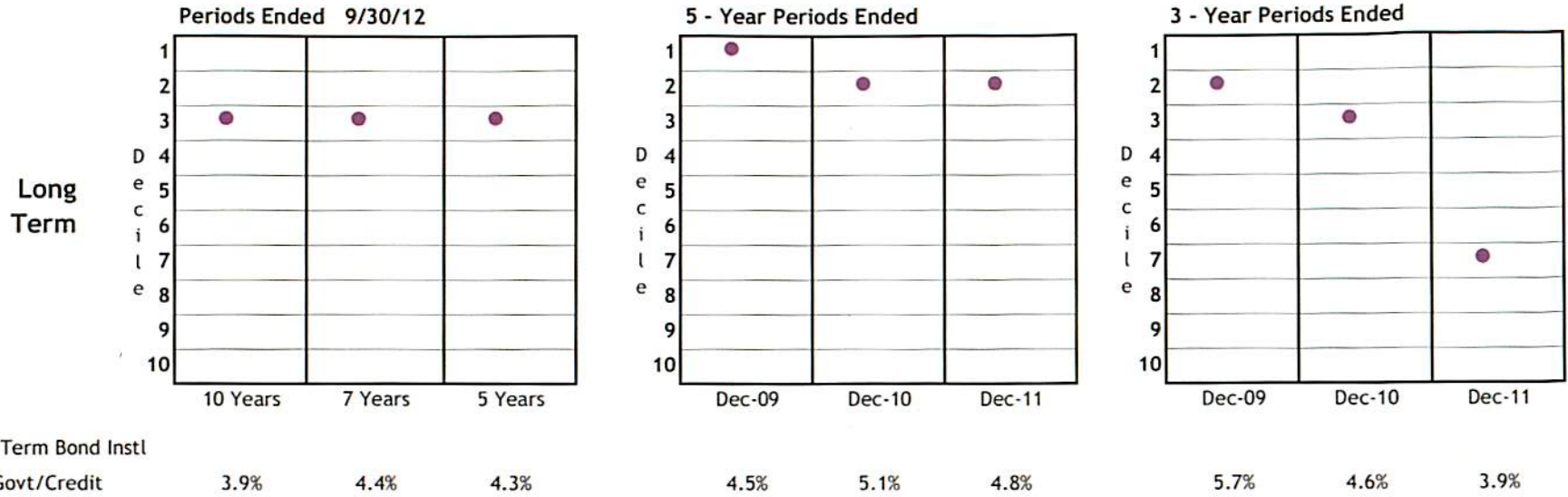


Quality Distribution



Vanguard Short-Term Bond Instl

Universe for Decile Rankings: Short-Term Bond



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Glossary of Terms



Accumulated Benefit Obligation (ABO) - Present value of liability for benefits, both vested and nonvested, based on compensation and service as of the actuarial valuation date.

Alpha - Measure of a portfolio's return in excess of the market return adjusted for risk. A positive alpha indicates that a portfolio was positively rewarded for the residual risk which was taken for that level of market exposure.

Average Maturity - An average of the amount of time remaining until final maturity for each fixed income security in a portfolio, weighted by the current market value of each holding. Stated average maturity is based on stated maturity dates and is typically longer than weighted average maturity, which takes into account assumptions, such as call dates or scheduled amortizations, that shorten the expected time required for the bondholder to receive repayment of principal.

Benchmark - A yardstick for measuring the effectiveness of an investment manager's performance. May be a published index, a blend of indices, or an average of any number of managed portfolios.

Beta - Measures the sensitivity of a portfolio to broad swings in a market index. A portfolio's measure of the expected change in return per 1% change in the return in the market. If a beta of a portfolio is 1.7, a 1% increase in the return in the overall market will result, on average, in a 1.7% increase in the return of the portfolio. The converse can also be true.

Cap - Market capitalization (cap) is the product of multiplying shares outstanding by share price. Median market cap of portfolio holdings is included as a factor for generating peer groups beginning in 1995. Market cap data listed for 1994 and earlier is average weighted market capitalization of portfolio holdings.

Composite - An aggregation of accounts managed by a firm, usually all discretionary accounts larger than \$1 million in assets, managed in the designated style.

Deciles - A way of using ranked arrays of data in 10% increments. For performance reporting, Decile One includes the best-performing 10% of records in the database universe; Decile Ten includes the worst performing 10%. For style characteristics used to form equity peer groups, Decile One indicates highest dividend yield, lowest price/book ratio, lowest price/earnings ratio, or highest market cap, while Decile Ten signifies lowest dividend yield, highest price/book ratio, highest price/earnings ratio, lowest market cap.

Duration - A measure of a fixed income portfolio's price sensitivity to changes in interest rates. Duration is expressed in years and is normally shorter than any of the average maturity calculations on the same portfolio.

Expense Ratio - An amount, expressed as an annual percentage of fund assets, that a mutual fund pays for operating expenses and management fees. Published returns on mutual funds are normally expressed net of all such costs.

Fund ("The Fund") - A term used to represent any commingled/pooled investment vehicle; e.g., mutual fund, investment company, bank pooled trust, insurance company "separate account," investment trust, et al.

Funded Ratio - Market value of pension assets divided by market value of pension liability.

Information Ratio - Indicates the investment manager's market risk-adjusted excess return per unit of residual risk relative to a benchmark. It is computed by dividing alpha by the residual risk over a given period of time. Assuming all other factors being equal, managers with lower residual risk achieve higher information ratio values. Managers with higher information ratios will add value relative to a benchmark more reliably and consistently.

Market Value - Unless otherwise noted, the market values used in this report are those provided by the client's bank trustee. A portfolio's total market value is the sum of principal and income assets listed in the trustee statement as of the reporting date.

Peer Group - Within the specified universe of the Hartland & Co. equity database, the ten manager records with the most similar style characteristics--dividend yield, price/earnings ratio, price/book ratio, and median market capitalization--to the portfolio being evaluated.

Projected Benefit Obligation (PBO) - Present value of liability for benefits, including an assumed rate of growth in future compensation.

R-Squared - A statistical measure that indicates the extent to which the variability of a portfolio's returns can be explained by market activity. It can also be thought of as measuring the diversification relative to the appropriate benchmark. An R-squared value of .85 indicates that 85% of the fluctuation in a portfolio return is explained by market activity. An R-Squared of 1 indicates that a portfolio's returns are entirely related to the market and is not influenced by other factors. An R-Squared value of 0 indicates that there is no relationship between the portfolio's returns and the market.

Real Return - Nominal total return reduced by the inflation rate for the same period.

Sharpe Ratio - A statistical measure developed by William Sharpe that determines reward-to-risk ratio. It is calculated by subtracting the 'risk free' return (usually 3-month T-Bills) from the portfolio return and dividing the excess return by the standard deviation of the portfolio. The result is a measure of return gained per unit of risk taken.

Glossary of Terms

Strategic Asset Allocation - A component of investment policy by which the client controls overall asset allocation in a disciplined, objective way.

Standard Deviation – A statistical measure of portfolio risk. It reflects the average deviations of the observations from their sample mean. Standard deviation is used as an estimate of risk since it measures the range of a portfolio's returns. The wider the typical range of returns, the higher the standard deviation or returns, and the higher the portfolio risk.

Tactical Asset Allocation (TAA) - An investment management specialty in which the commitment to equities is varied drastically and frequently, based on the manager's quantitative model, usually either a dividend discount model or a liquidity-factor model.

Total Return – Capital appreciation/depreciation, plus dividends and interest, less management fees. Unless otherwise noted, all returns in this report are net of fee. The basic formula is:

$$\frac{\text{Ending value} - \text{Beginning value} - \text{cash flows} - \text{Investment Advisory Fee}}{\text{Beginning value} + \text{Time weighted cash flow}}$$

Index Definitions



S&P 500 Index - A cap weighted composite of 500 U.S. Large Cap companies as defined by carrying unadjusted market capitalizations of \$5 billion or greater and a public float of at least 50%. The index represents roughly 75% of the total US equity market and therefore is an ideal proxy for the total domestic stock universe.

Russell Midcap Index - A representation of the mid-cap companies in the U.S. equity universe and is composed of the 800 smallest companies in the Russell 1000 Index as determined by market capitalization. The index reflects approximately 31% of the total market capitalization of the Russell 1000 Index. The Russell Midcap index is reconstituted annually. As of the latest reconstitution, it represents companies with a market capitalization range of \$18 billion - \$2.5 billion.

Russell 1000 Index - Measures the performance of the large-cap segment of the U.S. equity universe. It is a subset of the Russell 3000 Index and includes approximately 1000 of the largest securities based on a combination of their market cap and current index membership. The Russell 1000 accounts for approximately 92% of the U.S. market. The index is reconstituted annually and comprised of companies with a market capitalizations from \$468 billion to \$2 billion.

Russell 2000 Index - Is designed to capture the performance of the small cap sector of the U.S. equity market. It includes approximately 2000 of the smallest companies in the Russell 3000 index based on market capitalization and current index membership. This represents roughly 10% of the total market capitalization of the Russell 3000 Index. The index is reconstituted annually and the largest company based on market capitalization is \$2 billion while the smallest \$261 million.

Russell 3000 Index - The Russell 3000 Index measures the performance of the largest 3000 U.S. companies based on market capitalization and represents approximately 98% of the investable U.S. equity market. The index is reconstituted annually and it's constituents market capitalization ranges from \$456 billion to \$261 million.

MSCI EAFE Index - The MSCI EAFE Index (Europe, Australasia, Far East) is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the US & Canada. As of June 2007 the MSCI EAFE Index consisted of the following 21 developed market country indices: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Italy, Japan, the Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, and the United Kingdom.

MSCI Emerging Markets Index - The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance of emerging markets. As of June 2007 the MSCI Emerging Markets Index consisted of the following 25 emerging market country indices: Argentina, Brazil, Chile, China, Colombia, Czech Republic, Egypt, Hungary, India, Indonesia, Israel, Jordan, Korea, Malaysia, Mexico, Morocco, Pakistan, Peru, Philippines, Poland, Russia, South Africa, Taiwan, Thailand, and Turkey.

NAREIT All REITS - Represents the performance of publicly traded real estate investment trusts and is made up of approximately 200 REIT companies in 19 property sectors. The sectors are included but not limited to commercial office, real estate, retail, residential, lodging, self storage and health care properties. The NAREIT ALL REIT Index is maintained by the National Association of Real Estate Investment Trusts.

Index Definitions



NCREIF Index (NPI) - Represents a quarterly time series composite total rate of return measure of a very large pool of individual commercial real estate properties acquired in the private market. The index represents apartments, hotels, industrial properties, office buildings and retail properties which are at least 60% occupied and owned or controlled, at least in part by tax-exempt institutional investors or its designated agent. In addition these properties that are included must be investment grade, non- agricultural and income producing and all development projects are excluded. Constituents included in the NPI be valued at least quarterly, either internally or externally, using standard commercial real estate appraisal methodology. Each property must be independently appraised a minimum of once every three years.

Cambridge PE Index - Is a representation of returns for over 70% of the total dollars raised by U. S. leveraged buyout, subordinated debt and special situation managers from 1986 to December 2007. Returns are calculated based on the pooled time weighted return and are net of all fees. These pooled means represent the end to end rate of return calculated on the aggregate of all cash flows and market values reported by the general partners of the underlying constituents in the quarterly and annual reports.

DOW AIG Commodity - Is designed to be a reflection of highly liquid and diversified benchmark for commodities. The index is composed of futures contracts on 19 physical commodities including natural gas, crude oil, gasoline, heating oil, live cattle, lean hogs, wheat, corn, soybean, soybean oil, aluminum, copper, zinc, nickel, gold, silver, sugar, cotton and coffee. Index reconstitution occurs every January and is reported in U.S. dollars.

HFRI Funds of Funds Index - Is an equal weighted index designed to measure the performance of hedge fund of fund managers. The 800 multi-strategy constituents are required to have at least \$50 million in assets under management and a trading track record spanning at least 12 months. The index includes both on and offshore funds and all returns are reported in USD.

BarCap US Aggregate Bond Index - The U.S. Aggregate Index is constructed to represent U.S. denominated, investment-grade, fixed-rate taxable bond market of securities regulated by the SEC. It includes securities from the treasury, agency, corporate, mortgage backed , asset backed, collateralized mortgage backed sectors. As of April 1, 2007 U.S. agency hybrid adjustable rate mortgages were added. The index is considered is the most widely accepted representation of the U.S. bond market.

BarCap US Government - The index represents intermediate and long duration U.S. treasury securities, fixed rate bullet puttable and callable bonds and soft bullets spanning from 1-20 plus year maturities. State and local government bonds, treasury inflation protected securities, STRIPS, and treasury bills are excluded due to maturity constraints and to prevent double counting of a potential security for inclusion. Securities must be at least BBB rated, have at least a 1 year maturity and a minimum of \$250 million of outstanding issues. The index is reconstituted on a monthly basis.

BarCap Global Index - Started in 1999, the global aggregate is composed of three sub-indices; the U.S. Aggregate, Pan-European Aggregate Index, and the Asian-Pacific Aggregate Index. All three cover 94% of the overall market value of the Global Index. The remaining 6.4% is composed of eligible securities from the Global treasury, Eurodollar, Euro-Yen, Canadian, and Investment Grade 144A indices. In aggregate the index is created to be a broad-based measure of the performance of investment grade fixed rate debt on a global scale.

ML High Yield - The U.S. High Yield Index tracks the performance of below investment grade Us Dollar Denominated corporate bonds publicly issued in the US market. Qualifying bonds have at least one year remaining term to maturity, are fixed coupon schedule and minimum outstanding of \$100 million.

Appendix



This evaluation report has been prepared for the exclusive use of a specific client and no part of it may be used by any investment manager without permission of that client and Hartland & Co.

Evaluation of investment management contractors covers both quantitative and qualitative aspects. In addition to the investment performance evaluation, we monitor ownership structure, track key-employee information, and hold regular meetings with each investment management organization employed by our clients.

The data presented in this report have been calculated on a time-weighted rate of return basis. All returns are net of investment advisory fees, unless otherwise labeled.

Gross of fee returns do not reflect the deduction of investment advisory fees. Actual returns will be reduced by investment advisory fees and other expenses that may be incurred in the management of the account.

The performance data shown represent past performance. Past performance is not indicative of future results. Current performance data may be lower or higher than the performance data presented.

All performance data have been prepared under guidelines prescribed by the CFA Institute.

Returns for periods longer than one year are annualized. Each number is independently rounded.

A current copy of Hartland & Co.'s ADV-Part II is available to all clients upon request.



Month End September 2012

Youngstown State University

HARTLAND & Co.
Investment Consultants

INDEPENDENCE || EXPERTISE || RESULTS



Investment Policy Compliance

As of 9/30/2012

Total Plan Asset Allocation Policy	Range	Current
Operating & Short-Term Pool	25% - 50%	42%
Long Term/ Reserves Pool	50% - 75%	58%

Operating & Short-Term Pool	Range	Current
Operating Assets	60% - 100%	98%
Short-Term Assets	0% - 40%	2%

Long Term/ Reserves Pool	Target	Range	Current
Domestic Equity	20%	0% - 25%	22%
International Equity	5%	0% - 10%	4%
Total Equity	25%	0% - 35%	27%
Short-Term Fixed Income	45%	35% - 55%	44%
Intermediate Fixed Income	30%	20% - 40%	29%
Cash & Cash Equivalents	0%	0% - 5%	0%

In Line
 Within Tolerance
 Review

Monthly Cash Flow by Investment Manager

As of 9/30/2012

Youngstown State University
University Investments



Investment Manager	Beginning		Cash Flow					Earnings & Depreciation	Ending	
	Balance at 8/31/2012		Contributions	Withdrawals/ Distributions	Transfers	Net Cash Flow	Balance at 9/30/2012			
	\$	%					\$		%	
JPMorgan 100% US Treasury Securities MM	\$34,325,365	37.1%	\$133	(\$4,000,000)	\$0	(\$3,999,867)	(\$110)	\$30,325,388	34.8%	
JP Morgan Sweep	\$4,926,136	5.3%						\$2,967,959	3.4%	
Vanguard Short-Term Federal Adm	\$533,931	0.6%	\$13	\$0	\$0	\$13	\$735	\$534,679	0.6%	
YSU Short-Term Fixed Income	\$14,820,721	16.0%	\$0	\$0	\$0	\$0	\$34,955	\$14,855,677	17.1%	
Vanguard Short-Term Bond Instl	\$5,320,476	5.8%	\$133	\$0	\$0	\$133	\$11,328	\$5,331,937	6.1%	
YSU Intermediate-Term Fixed Income	\$6,589,486	7.1%	\$0	\$0	\$0	\$0	\$24,539	\$6,614,025	7.6%	
JPMorgan Core Bond Ultra	\$6,788,979	7.3%	\$169	\$0	\$0	\$169	\$21,116	\$6,810,264	7.8%	
Munder Veracity Small Cap-Value Y	\$864,535	0.9%	\$0	\$0	\$0	\$0	\$20,298	\$884,833	1.0%	
Loomis Sayles Small Cap Growth Instl	\$928,356	1.0%	\$0	\$0	\$0	\$0	\$36,229	\$964,584	1.1%	
Vanguard Mid Cap Index Signal	\$1,816,897	2.0%	\$0	\$0	\$0	\$0	\$37,402	\$1,854,299	2.1%	
Vanguard 500 Index Signal	\$3,213,683	3.5%	\$0	\$0	\$0	\$0	\$83,185	\$3,296,868	3.8%	
TRP Instl US Structured Rsch	\$3,201,995	3.5%	\$292	\$0	\$0	\$292	\$79,094	\$3,281,380	3.8%	
Dodge & Cox Internat'l Stock	\$1,143,525	1.2%	\$0	\$0	\$0	\$0	\$39,369	\$1,182,894	1.4%	
William Blair Int'l Gr I	<u>\$798,267</u>	0.9%	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$25,619</u>	<u>\$823,886</u>	<u>0.9%</u>	
Total Non-Endowment Invested Assets	\$85,272,353	92.3%	\$740	(\$4,000,000)	\$0	(\$3,999,260)	\$413,759	\$79,728,675	91.6%	
Huntington, N.A. - Endowment Funds (Equ., FI)	\$6,512,773	7.0%						\$6,589,381	7.6%	
Huntington, N.A. - Restricted Funds (Cash)	<u>\$553,134</u>	0.6%						<u>\$625,371</u>	0.7%	
	\$7,065,907							\$7,214,752		
Kilcawley Center	80,660	0.1%						\$102,612	0.1%	
Total University Assets Managed by Foundation	\$7,146,567	7.7%						\$7,317,364	8.4%	
Grand Total	<u>\$92,418,920</u>	100.0%						<u>\$87,046,039</u>	100.0%	

Performance Scorecard



As of 9/30/2012

	YSU Inception Date	Market Value	Weighting	Outperformance of Fund Relative to Benchmark								
				MTD	YTD	1 Yr	3 Yrs	5 Yrs	Since Inception	2011	2010	2009
JPMorgan 100% U.S. Tr Sec MM Inst <i>Merrill Lynch 91-Day T-Bill</i>	Sep-11	\$30,325,388	38.0%	0.0%	0.0%	0.0%	0.0%	0.5%	-0.1%	0.0%	0.0%	0.0%
				0.0%	0.1%	0.1%	0.1%	0.7%	...	0.1%	0.1%	0.2%
JPMorgan Sweep Account	Feb-04	\$2,967,959	3.7%	Rate is 0%								
Vanguard Short-Term Federal Adm <i>BarCap Government 1-5 Yr</i>	Sep-10	\$534,679	0.7%	0.1%	1.5%	1.9%	2.6%	4.1%	0.1%	2.9%	3.3%	2.9%
				0.0%	0.9%	1.3%	2.6%	4.0%	...	3.2%	3.6%	1.0%
Total Operating & Short-Term	Jun-10	\$33,828,026	42.4%	0.0%	0.1%	0.1%	...	...	0.0%	0.3%	...	...
Total Operating & Short-Term Benchmark*				0.0%	0.1%	0.1%	...	...	...	0.2%	...	...
YSU Short-Term Bond <i>ML Corp/Govt 1-3 Yrs</i>	Mar-04	\$14,855,677	18.6%	0.2%	1.8%	2.2%	2.3%	3.7%	0.3%	1.5%	3.1%	6.4%
				0.1%	1.3%	1.5%	2.0%	3.3%	...	1.6%	2.8%	3.8%
Vanguard Short-Term Bond Instl <i>BarCap 1-5 Yr. Govt/Credit</i>	Dec-11	\$5,331,937	6.7%	0.2%	1.9%	2.4%	...	...	-0.1%	...	...	...
				0.2%	2.0%	2.5%	3.2%	4.3%	...	3.1%	4.1%	4.6%
YSU Intermediate-Term Bond <i>BarCap Govt/Credit Int Bond</i>	Mar-04	\$6,614,025	8.3%	0.4%	4.8%	5.8%	5.3%	6.5%	0.5%	4.6%	6.2%	9.5%
				0.2%	3.5%	4.4%	5.2%	5.7%	...	5.8%	5.9%	5.3%
JPMorgan Core Bond Ultra <i>BarCap Aggregate Bond</i>	Apr-11	\$6,810,264	8.5%	0.3%	4.9%	6.0%	6.9%	7.3%	0.3%	7.5%	7.6%	9.8%
				0.1%	4.0%	5.2%	6.2%	6.5%	...	7.9%	6.6%	5.9%
Munder Veracity Small Cap-Value Y <i>Russell 2000 Value</i>	Sep-10	\$884,833	1.1%	2.4%	9.0%	29.7%	12.8%	3.5%	-0.1%	-2.6%	29.7%	33.9%
				3.6%	14.4%	32.6%	11.7%	1.3%	...	-5.5%	24.5%	20.6%
Loomis Sayles Small Cap Growth Instl <i>Russell 2000 Growth</i>	Sep-10	\$964,584	1.2%	3.9%	12.1%	27.3%	18.3%	3.8%	3.0%	3.2%	31.4%	31.9%
				3.0%	14.1%	31.2%	14.2%	3.0%	...	-2.9%	29.1%	34.5%
Vanguard Mid Cap Index Signal <i>MSCI Mid Cap 450</i>	Sep-10	\$1,854,299	2.3%	2.1%	12.8%	26.5%	14.0%	1.9%	-0.1%	-2.0%	25.6%	40.4%
				2.1%	12.9%	26.5%	14.1%	1.9%	...	-1.9%	25.7%	40.5%
Vanguard 500 Index Signal <i>S&P 500</i>	Jun-10	\$3,296,868	4.1%	2.6%	16.4%	30.2%	13.2%	1.1%	0.0%	2.1%	15.0%	26.6%
				2.6%	16.4%	30.2%	13.2%	1.1%	...	2.1%	15.1%	26.5%
TRP Instl US Structured Rsch <i>S&P 500</i>	Jun-10	\$3,281,380	4.1%	2.5%	16.7%	30.1%	12.5%	...	-0.4%	1.4%	13.6%	29.4%
				2.6%	16.4%	30.2%	13.2%	1.1%	...	2.1%	15.1%	26.5%
Dodge & Cox Internat'l Stock <i>MSCI EAFE</i>	Sep-10	\$1,182,894	1.5%	3.4%	11.0%	15.7%	2.7%	-3.7%	-1.7%	-16.0%	13.7%	47.5%
				3.0%	10.6%	14.3%	2.6%	-4.8%	...	-11.8%	8.2%	32.5%
William Blair Int'l Gr I <i>MSCI EAFE</i>	Jun-12	\$823,886	1.0%	3.2%	16.2%	21.8%	7.9%	-4.1%	0.8%	-14.2%	20.5%	42.6%
				3.0%	10.6%	14.3%	2.6%	-4.8%	...	-11.8%	8.2%	32.5%
Total Long-Term/ Reserves Pool	Jun-10	\$45,900,649	57.6%	0.9%	5.8%	8.8%	...	...	0.3%	1.9%	...	...
Total Long-Term/ Reserves Fund Benchmark**				0.8%	5.0%	8.1%	...	...	...	1.9%	...	...

Performance Scorecard

As of 9/30/2012

Youngstown State University
University Investments



	YSU	<u>Market Value</u>	<u>Weighting</u>						Outperformance of Fund Relative to Benchmark			
	<u>Inception Date</u>			<u>MTD</u>	<u>YTD</u>	<u>1 Yr</u>	<u>3 Yrs</u>	<u>5 Yrs</u>	<u>Since Inception</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>
Total Non-Endowment Invested Assets	Mar-04	\$79,728,675	100.0%	0.5%	3.6%	5.4%	3.6%	4.0%	0.4%	1.3%	5.4%	6.2%
Policy Benchmark***				0.4%	2.5%	4.1%	2.5%	3.0%	...	1.1%	3.4%	4.5%
Huntington, N.A	May-05	\$7,214,752		1.0%	3.0%	18.8%	8.8%	3.2%	...	3.7%	9.1%	18.4%
Kilcawley Center	Aug-11	\$102,612		-3.4%	-2.5%	17.0%	...	...	...	...	...	...

*Total Operating & Short-Term Benchmark: 5% BarCap Gov 1-3 Yr/ 95% ML 91-Day T-Bill

**Total Long-Term/ Reserves Fund Benchmark: 20% Russell 3000/ 5% MSCI EAFE/ 30% BarCap Int. Gov/Credit/ 45% BarCap 1-3 Year Gov

***Policy Benchmark: 10% Russell 3000/ 2.5% MSCI EAFE/ 27.5% BarCap Gov 1-3 Yr/ 15% BarCap Int Gov/Credit/ 45% ML 91-Day T-Bill