Prepared for

Wilshire



# El Paso County

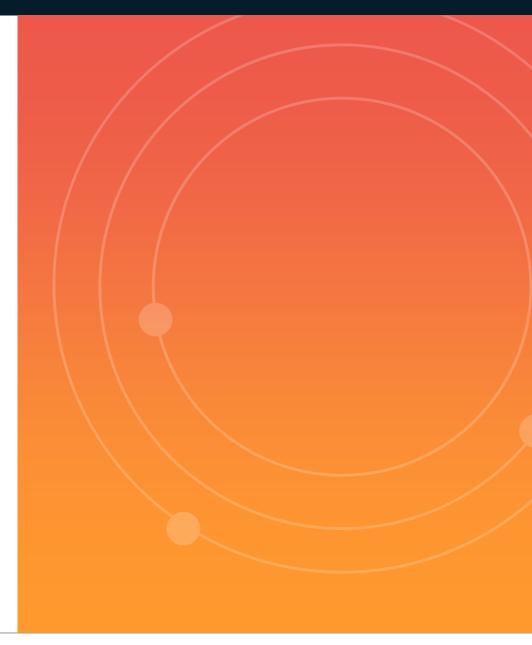
Quarterly Review

Thomas Toth, CFA – Managing Director

### Wilshire

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- Quarterly Investment Performance Summary
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### Market Performance Summary

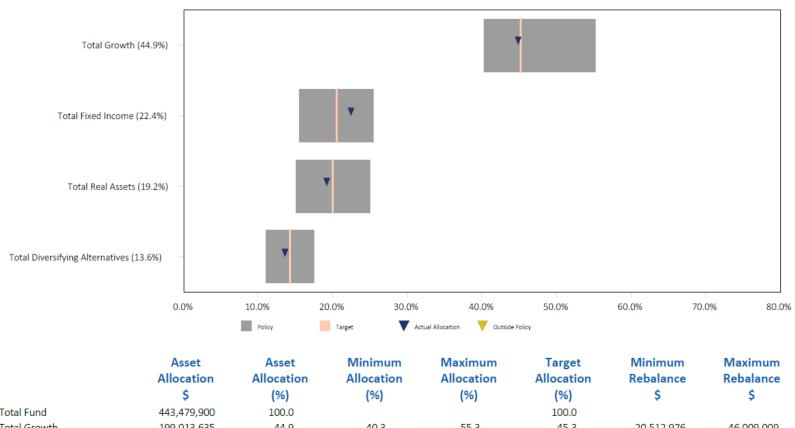
- Public equity markets rose strongly over the second quarter of 2023
  - Led by mega cap growth stocks in the US and developed market stocks in international markets
- Fixed income assets delivered modest negative returns as market expectations for future interest rates rose
  - Treasury yields rose but this was partly offset by credit spreads narrowing
  - Robust economic data continues to push out expectations of when the Fed will begin cutting rates
- Real assets returns have been volatile and mixed in Q2 2023
  - REITS and midstream energy rose while commodities, infrastructure and gold returns fell
- Markets sentiment has improved driven by a strong jobs market and broad economic growth, although credit conditions remain tight for new lending / refinancing
- The Fed paused and then hiked interest rates by 25 basis points to 5.25 % 5.50%. Economic data will
  determine the future path of interest rates
  - The US economy rose by 2.0% in the second quarter
  - Core inflation remains above target at 4.7% YOY to July, with headline inflation of 3.2% YOY
  - Unemployment remains low (3.5%) and wage growth robust (4.4% YOY to July)

Quarterly Investment Performance Summary

### **Asset Allocation**

Total Fund Periods Ended As of June 30, 2023

#### **Executive Summary**

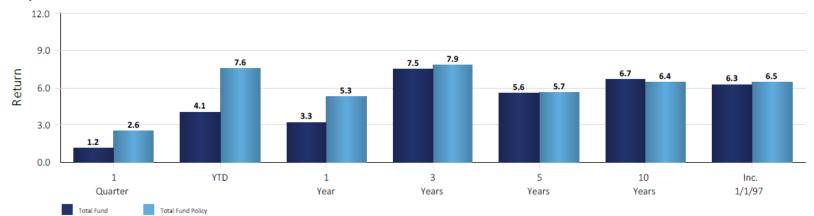


	Allocation \$	Allocation (%)	Allocation (%)	Allocation (%)	Allocation (%)	Rebalance \$	Rebalance \$
Total Fund	443,479,900	100.0			100.0		
Total Growth	199,013,635	44.9	40.3	55.3	45.3	-20,512,976	46,009,009
Total Fixed Income	99,347,253	22.4	15.5	25.5	20.5	-30,607,869	13,740,121
Total Real Assets	84,965,428	19.2	15.0	25.0	20.0	-18,443,443	25,904,547
Total Diversifying Alternatives	60,153,583	13.6	11.0	17.5	14.3	-11,370,794	17,455,399

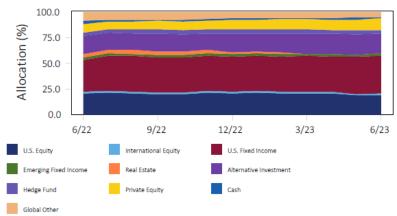
## **Total Fund Summary**

Total Fund Periods Ended June 30, 2023

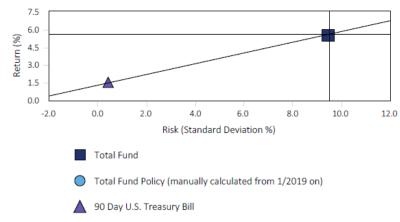
#### **Comparative Performance**



#### Historical Asset Allocation by Segment



#### Risk and Return 07/1/18 - 06/30/23



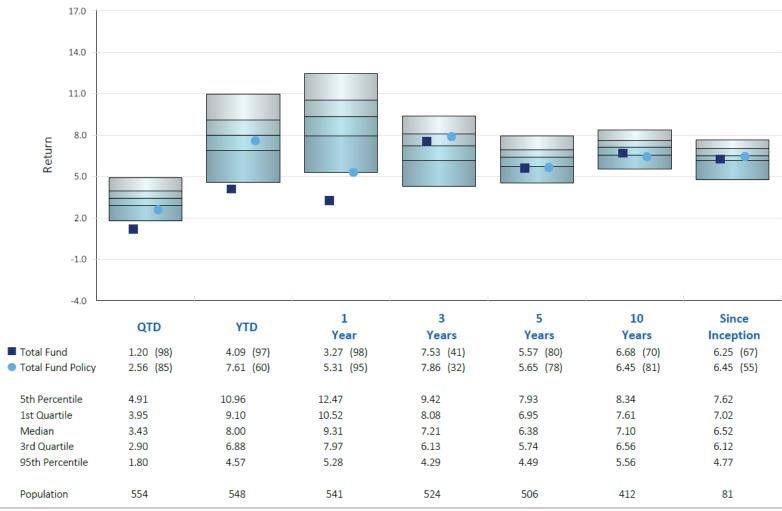
### Asset Allocation & Performance

#### Periods Ended June 30, 2023

	Alloc	ation		Perfo	rmance (%) net o	of fees	
	Market Value \$	%	1 Quarter	YTD	1 Year	3 Years	5 Years
Total Fund	443,479,900	100.00	1.20	4.09	3.27	7.53	5.57
Total Fund Policy			2.56	7.61	5.31	7.86	5.65
Value Added			-1.36	-3.52	-2.04	-0.33	-0.08
Reference Portfolio			4.34	10.78	11.91	6.26	6.07
Value Added			-3.14	-6.69	-8.64	1.27	-0.50
Total Growth Total Growth Policy	199,013,635	44.88	<b>4.27</b> 5.86	<b>9.20</b> 12.73	<b>11.58</b> 10.16	<b>13.41</b> 11.09	<b>8.93</b> 7.52
Value Added			-1.59	-3.53	1.42	2.32	1.41
Total Fixed Income	99,347,253	22.40	0.40	3.81	3.13	1.44	2.61
Total Fixed Income Policy			1.49	4.44	5.85	0.82	2.26
Value Added			-1.09	-0.63	-2.72	0.62	0.35
Total Real Assets	84,965,428	19.16	-3.51	-5.95	-10.32	6.22	3.96
Total Real Assets Policy			-1.81	0.34	-4.24	9.27	5.51
Value Added			-1.70	-6.29	-6.08	-3.05	-1.55
Total Diversifying Alternatives	60,153,583	13.56	-1.24	2.58	-2.02	-0.11	0.68
Total Diversifying Alternatives Policy			0.50	5.98	3.27	4.75	2.39
Value Added			-1.74	-3.40	-5.29	-4.86	-1.71

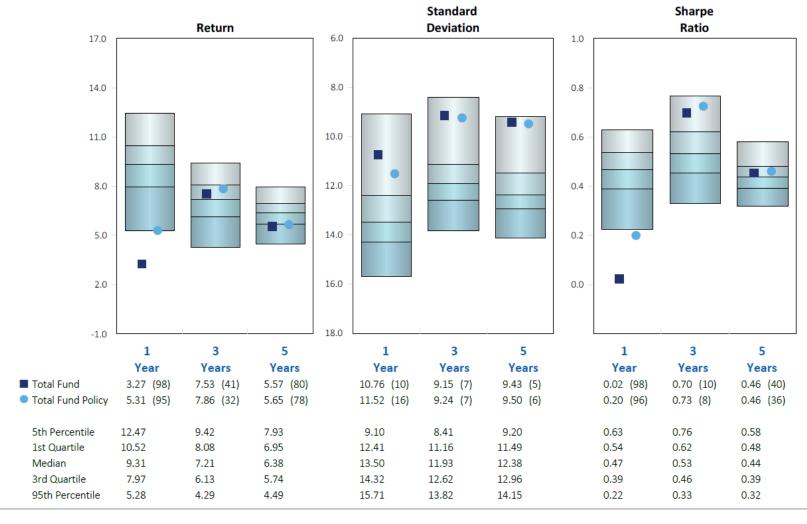
## Peer Group Analysis

Total Fund vs All Public Plans < \$1B-Total Fund Periods Ended June 30, 2023



## Peer Group Analysis

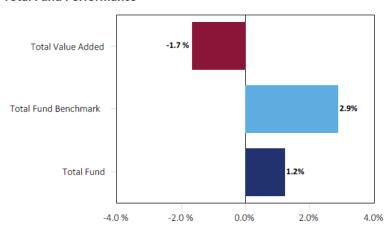
Total Fund vs All Public Plans < \$1B-Total Fund Periods Ended June 30, 2023



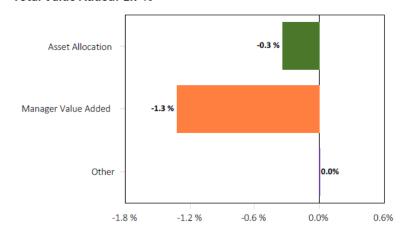
### Total Fund Attribution – 1 Quarter

Total Fund
Periods Ended 1 Quarter Ending June 30, 2023

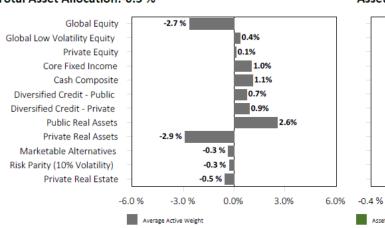
#### **Total Fund Performance**



#### Total Value Added:-1.7 %



#### Total Asset Allocation:-0.3 %



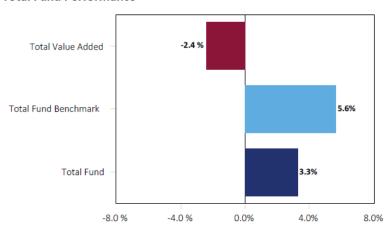
#### Asset Allocation Value Added:-0.3 % Total Manager Value Added:-1.3 %



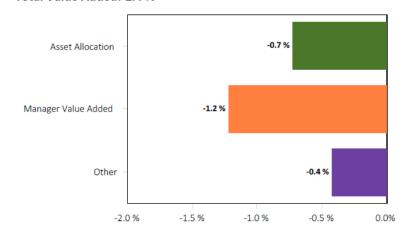
#### Total Fund Attribution – 1 Year

Total Fund
Periods Ended 1 Year Ending June 30, 2023

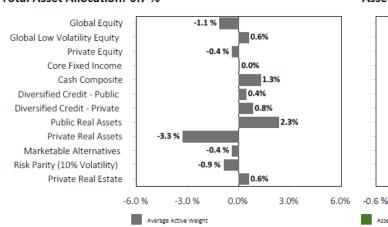
#### **Total Fund Performance**



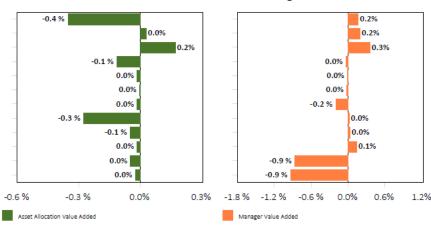
#### Total Value Added:-2.4 %



#### Total Asset Allocation:-0.7 %



#### Asset Allocation Value Added:-0.7 % Total Manager Value Added:-1.2 %



# Wilshire

Operational Review

#### **OPERATIONAL SUMMARY**

#### **Quarterly Transaction Overview**

• In total, the OCIO Solutions Group engaged in 115 transactions during the quarter (12 benefit payment transactions, 22 portfolio rebalancing transactions, 15 plan contributions, 46 LP transactions, and 20 fee related transactions).

#### Fee Analysis

• The OCIO Solutions Group has negotiated reduced investment management fees for eight mandates in the El Paso County DB Portfolio. As a result of these negotiations, the OCIO Solutions Group has saved the El Paso County DB Plan an approximate \$129,958 management fees on an annual basis.

#### **Documentation Review & Compliance Notice**

• The OCIO Solutions Group initiated one legal review project for the portfolio, which was related to new private equity investments. Wilshire has engaged external counsels, Ropes & Gray LLP and Paul Hastings LLP, to perform legal reviews for the private equity managers' Subscription/LP Agreements, side letter provisions and their AML/KYC requested items.

### TRANSACTION REVIEW

			April 2023				
Transaction Category	Transaction Descri	ption	Transaction Amount	(Growth)	(Fixed Income)	(Real Assets)	(Diversifying)
Benefit Payment Transaction	ons Benefit Payments, Lui	mp Sum Payments, Reversals	(3,658,827)				-
Portfolio Rebalancing	Manager Redemption	ns/Contributions	2,000,000	(2,000,000)			
Plan Contributions	Employer Contribution	ons, Check Deposits	3,242,225				
LP Activity	Distributions & Capi	tal Calls	1,588,823	(1,009,493)	(445,388)	(133,942)	-
Fee Related Transactions	Admin Fees, Actuary	Fees, Management Fees, etc.	(294,681)				-
			May 2023				
Transaction Description	Transaction Descri	otion	Transaction Amount	(Growth)	(Fixed Income)	(Real Assets)	(Diversifying)
Benefit Payment Transaction	ons Benefit Payments, Lui	mp Sum Payments, Reversals	(3,756,302)	-	-	-	-
Portfolio Rebalancing	Manager Redemption	ns/Contributions	20,753,876	(25,954,176)	18,750,000	4,000,300	1,200,000
Plan Contributions	Employer Contribution	ons, Check Deposits	2,724,334				-
LP Activity	Distributions & Capi	tal Calls	1,588,353	(846,259)	15,354	(757,448)	-
Fee Related Transactions	Admin Fees, Actuary	Fees, Management Fees, etc.	(72,244)				-
			June 2023				
Transaction Description	Transaction Descri	otion	Transaction Amount	(Growth)	(Fixed Income)	(Real Assets)	(Diversifying)
Benefit Payment Transaction	ons Benefit Payments, Lui	mp Sum Payments, Reversals	(3,752,387)	-			-
Portfolio Rebalancing	Manager Redemption	ns/Contributions	1,000,000	(5,750,000)	4,750,000		_
Plan Contributions	Employer Contribution	ons, Check Deposits	3,213,039				-
LP Activity	Distributions & Capi	tal Calls	842,155	(270,660)	(430,754)	(140,741)	
Fee Related Transactions	Admin Fees, Actuary	Fees, Management Fees, etc.	(95,492)				-
Date Range	ransaction Description	Transaction Amount N	Number of Transactions				
	Benefit Payment Transactions	(11,167,516)	12				
	ortfolio Rebalancing Ilan Contributions	23,753,876	22 15				
	P Activity	9,179,598 4,019,331	46				
, i		7,013,331	70				

### DOCUMENTATION REVIEW

	Legal Reviews		
Account	Documentation Review Description	Start Date	Completion Date
Private Investments	Wilshire initiated legal reviews for the new private investment managers' subscription/LP agreements, side letters, and their AML/KYC requests. Wilshire utilized the services of Ropes & Gray LLP and Paul Hastings LLP to review the relevant agreements and negotiate the side letter provisions.	4/1/2023	6/30/2023



# Market Review

#### Quarterly Market Commentary Market Dashboard

Multi-Asset	MTD (%)	QTD (%)	YTD (%)	1Y (%)
Global 60/40 (ACWI/U.S. Core Bonds)	3.34	3.36	9.11	9.43
Wilshire Risk Parity Index → 12% Volatility	1.80	(0.20)	8.44	2.53
Source: Bloomberg. Indexes are total return.				
Strategic Allocation Themes	MTD (%)	QTD (%)	YTD (%)	1Y (%)
Growth¹	5.81	6.18	13.93	16.53
Defensive Growth <sup>2</sup>	3.45	2.99	5.52	7.59
Diversified Credit <sup>3</sup>	2.00	2.14	4.98	8.60
Real Assets <sup>4</sup>	2.16	(1.92)	(1.04)	(5.13)
Defensive <sup>5</sup>	(0.36)	(0.84)	2.09	(0.94)

Source: Bloomberg. Indexes are total return.

#### Quarterly Insight

Large-cap growth stocks are outperforming value stocks by an astonishing margin this year. While growth tends to lead during bull markets, the current 6-month return difference is the largest in 25 years at +29.4%. This can be dissected further to find that just a few stocks are contributing a vast majority of the overall market return through June. Additionally, most of these names are technology sector stocks - Amazon, Apple, Google and Meta. It is worth noting that these companies are highly dependent on the consumer's ability to spend. U.S. real personal consumption's steady growth during the past 1.5 years will need to continue to support not just economic growth but also current stock prices.

#### **Economic highlights**

GDP: Real GDP growth continued to slow during the first quarter but was still positive, expanding an annualized 2.0%. Consumer spending was quite strong, registering its best quarter in nearly two years and contributing 2.8% to growth. However, private spending was down by double-digits. The Atlanta Federal Reserve's (Fed) GDPNow forecast for the second quarter of 2023 currently stands at 2.2%

Source: Bureau of Economic Analysis.

Interest Rates: The Treasury curve rose across all maturities during the second quarter. The 10-year Treasury closed at 3.84%, up 37 basis points. The 10-year real yield (i.e., net of inflation) rose 47 basis points to 1.62%. The Federal Open Market Committee (FOMC) increased their overnight rate by 0.25%, targeting a range of 5.00% to 5.25%. The committee's current median outlook is for a rate of approximately 5.6% by the end of 2023.

Source: U.S. Treasury.

Inflation: Consumer price changes have moderated as the Consumer Price Index rose 0.5% for the three months ending May. For the one-year period, the CPI was up 4.1%. The 10-year breakeven inflation rate was down slightly at 2.23% in June versus 2 32% in March

Source: Dept. of Labor (BLS), U.S. Treasury.

Employment: Jobs growth remains solid, with an average of 283,000 jobs/month added during the three months ending in May. The unemployment rate was little changed at 3.7%, up from 3.6% in February. Wage growth has slowed this year, up 0.3% in May, a likely welcome sign for the Federal Reserve.

Source: Dept. of Labor (BLS).

Housing: New data suggests that the housing market has started to rebound from a precipitous decline that started last June. The S&P Case-Shiller 20-City Home Price Index was up 1.3% during the threemonths through April but is still down -1.7% during the trailing 12-months.

Source: Standard & Poor's.

<sup>1 100%</sup> Global Equity

<sup>42.5%</sup> U.S. High Yield, 42.5% EMD, 15% Banks Loans

<sup>&</sup>lt;sup>2</sup> 60% Low Vol Global Equity, 40% U.S. Convertibles 43% Global REITS/GLI, 33% Commodities, 48% TIPS, 9% Gold, -31% Cash 5 100% U.S. Core Bonds

## June 2023 Asset Class Assumptions

			Equ	uity					Fi	xed Incom	е					Real Assets	S		
		Dev		Global					LT				Dev ex-		Real Estat	е			
	US	ex-US	Emg	ex-US	Global	Private		Core	Core		High	Private	<b>US Bond</b>	US	Global	Private		Real	US
	Stock	Stock	Stock	Stock	Stock	Equity	Cash	Bond	Bond	TIPS	Yield	Credit	(Hdg)	RES	RES	RE	Cmdty	Assets	CPI
Compound Return (%)	5.50	6.50	6.75	6.85	6.15	9.00	3.85	4.85	4.80	4.05	6.20	8.35	3.05	5.75	5.90	6.00	6.10	6.60	2.25
Expected Risk (%)	17.00	18.00	26.00	19.05	17.10	29.65	0.75	4.70	9.85	6.00	10.00	12.75	4.00	17.50	16.45	13.90	16.00	12.35	1.75
Cash Yield (%)	1.50	3.10	2.60	2.95	2.05	0.00	3.85	4.95	5.15	4.35	9.40	5.00	3.60	4.05	4.05	2.30	3.85	3.25	0.00
Growth Exposure	8.00	8.00	8.00	8.00	8.00	14.00	0.00	-0.95	-2.40	-3.00	4.00	5.10	-1.00	6.00	6.00	3.50	0.00	2.70	0.00
Inflation Exposure	-3.00	0.00	5.00	1.45	-1.30	-3.75	0.00	-2.50	-6.80	2.50	-1.00	-1.50	-3.00	1.00	1.80	1.00	12.00	5.25	1.00
Correlations																			
US Stock	1.00																		
Dev ex-US Stock (USD)	0.81	1.00																	
Emerging Mkt Stock	0.74	0.74	1.00																
Global ex-US Stock	0.84	0.95	0.89	1.00															
Global Stock	0.95	0.91	0.84	0.94	1.00														
Private Equity	0.72	0.63	0.61	0.67	0.73	1.00													
Cash Equivalents	-0.05	-0.09	-0.05	-0.08	-0.06	0.00	1.00												
Core Bond	0.28	0.13	0.00	0.08	0.20	0.30	0.18	1.00											
LT Core Bond	0.31	0.15	0.01	0.11	0.24	0.31	0.11	0.94	1.00										
TIPS	-0.05	0.00	0.15	0.06	-0.01	-0.03	0.20	0.60	0.48	1.00									
High Yield Bond	0.54	0.39	0.49	0.46	0.53	0.31	-0.10	0.24	0.32	0.05	1.00								
Private Credit	0.68	0.55	0.58	0.60	0.68	0.44	0.00	0.24	0.30	0.00	0.76	1.00							
Dev ex-US Bond (Hdg)	0.16	0.25	-0.01	0.16	0.17	0.26	0.10	0.68	0.66	0.39	0.26	0.22	1.00						
US RE Securities	0.58	0.47	0.44	0.49	0.57	0.49	-0.05	0.17	0.22	0.10	0.56	0.62	0.05	1.00					
Global RE Securities	0.64	0.57	0.54	0.60	0.65	0.55	-0.05	0.17	0.21	0.11	0.61	0.68	0.04	0.96	1.00				
Private Real Estate	0.55	0.45	0.45	0.49	0.54	0.50	-0.05	0.19	0.25	0.09	0.58	0.63	0.05	0.79	0.78	1.00			
Commodities	0.25	0.34	0.39	0.38	0.32	0.28	0.00	-0.03	-0.03	0.25	0.29	0.29	-0.10	0.25	0.28	0.25	1.00		
Real Assets	0.62	0.63	0.65	0.69	0.67	0.57	-0.03	0.22	0.24	0.30	0.64	0.69	0.04	0.78	0.84	0.76	0.64	1.00	
Inflation (CPI)	-0.10	-0.15	-0.13	-0.15	-0.13	-0.10	0.10	-0.12	-0.12	0.15	-0.08	0.00	-0.08	0.05	0.04	0.05	0.44	0.22	1.00



Appendix - Weekly Market Report

### Weekly Market Report – as of August 18, 2023

Portfolio Allocations	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
Global 60/40	(1.73)	(4.10)	2.17	3.34	(2.02)	3.36	6.90	0.63	2.30	4.74
Wilshire Risk Parity (12%)	(2.72)	(6.07)	0.91	1.80	(5.21)	(0.20)	2.79	(7.33)	1.42	3.65
Strategic Allocation Themes *	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
Growth <sup>1</sup>	(2.57)	(5.60)	3.66	5.81	(2.14)	6.18	11.50	3.58	6.92	7.25
Defensive Growth <sup>2</sup>	(1.79)	(3.41)	2.06	3.69	(1.42)	3.23	4.26	(1.13)	3.63	6.41
Diversified Credit <sup>3</sup>	(1.09)	(1.58)	1.59	2.00	(0.02)	2.14	4.96	3.05	(0.48)	2.08
Real Assets <sup>4</sup>	(2.12)	(4.49)	3.54	2.16	(1.11)	(1.92)	(2.13)	(11.82)	5.39	4.89
Defensive <sup>5</sup>	(0.50)	(1.85)	(0.07)	(0.36)	(1.92)	(0.84)	0.13	(4.13)	(4.84)	0.27
Major Asset Classes	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
FT Wilshire 5000	(2.19)	(5.01)	3.58	6.86	(1.60)	8.43	14.44	2.69	10.12	10.21
MSCI ACWI-ex-USA (Net)	(3.34)	(6.72)	4.06	4.49	(2.93)	2.44	6.26	4.59	3.21	3.27
Bloomberg U.S. Aggregate	(0.50)	(1.85)	(0.07)	(0.36)	(1.92)	(0.84)	0.13	(4.13)	(4.84)	0.27
Bloomberg U.S. Corporate High Yield	(0.82)	(1.07)	1.38	1.67	0.30	1.75	5.69	2.35	1.64	3.13
Wilshire Global Real Estate Securities	(2.97)	(5.35)	3.66	4.11	(1.89)	1.87	2.28	(11.70)	4.44	1.53
Bloomberg Commodity	(1.17)	(2.62)	6.26	4.04	3.47	(2.56)	(4.59)	(10.17)	14.90	6.40

Source: Bloomberg, All returns are in USD

<sup>\*</sup>Strategic Allocations are comprised of the following asset mixes (rebalanced monthly)

<sup>&</sup>lt;sup>1</sup> Growth: 100% Global Equity

<sup>&</sup>lt;sup>2</sup> Defensive Growth: 60% Low Vol Global Equity, 40% US Convertibles

<sup>&</sup>lt;sup>3</sup> Diversified Credit: 42.5% U.S. High Yield, 42.5% EMD, 15% Banks Loans

<sup>&</sup>lt;sup>4</sup> Real Assets: 43% Global REITS/GLI, 33% Commodities, 48% TIPS, 9% Gold, -31% Cash

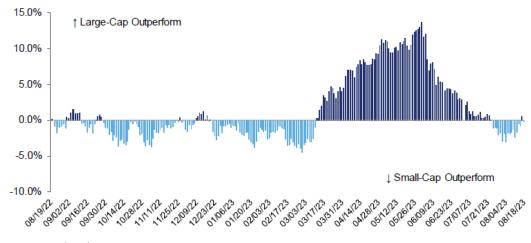
<sup>&</sup>lt;sup>5</sup> Defensive: 100% US Core Bonds

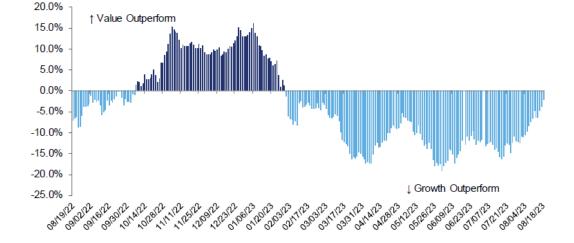
## U.S. Equity

Returns though Friday August 18, 2023

US Equity	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
FT Wilshire 5000	(2.19)	(5.01)	3.58	6.86	(1.60)	8.43	14.44	2.69	10.12	10.21
Standard & Poor's 500	(2.05)	(4.66)	3.21	6.61	(1.60)	8.74	15.02	3.76	10.56	10.83
Wilshire US Large Cap	(2.10)	(4.86)	3.41	6.73	(1.61)	8.73	15.15	3.35	10.25	10.82
Wilshire US Large-Cap Growth	(2.12)	(6.30)	3.65	7.01	(2.87)	14.19	28.30	6.16	9.81	13.00
Wilshire US Large-Cap Value	(2.07)	(3.05)	3.11	6.38	(0.03)	2.59	2.62	0.17	10.60	8.39
Wilshire US Small Cap	(3.29)	(6.74)	5.64	8.58	(1.48)	5.10	7.22	(3.84)	9.34	4.45
Wilshire US Small-Cap Growth	(2.99)	(7.12)	5.63	9.43	(1.90)	6.74	11.36	(0.26)	5.85	4.95
Wilshire US Small-Cap Value	(3.57)	(6.36)	5.66	7.76	(1.06)	3.54	3.50	(7.06)	13.05	3.96

#### Relative Performance – Rolling Three Months Returns



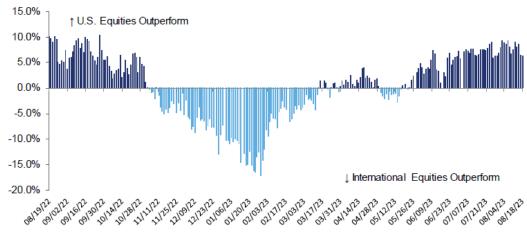


Data Source: Bloomberg

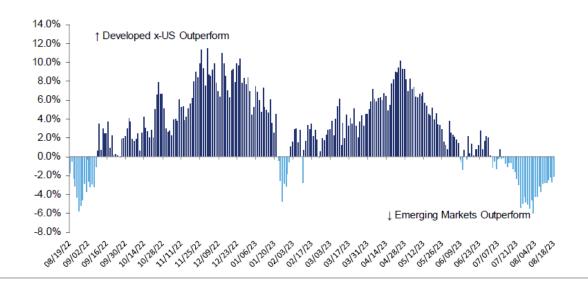
# Weekly Market Report Global Equity

Non-US Equity	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
MSCI ACWI-ex-USA (Net)	(3.34)	(6.72)	4.06	4.49	(2.93)	2.44	6.26	4.59	3.21	3.27
MSCI EAFE (Net)	(3.30)	(6.27)	3.24	4.55	(3.23)	2.95	8.06	8.74	5.21	3.98
MSCI EM (Net)	(3.29)	(7.74)	6.23	3.80	(1.99)	0.90	2.80	(1.92)	(2.03)	1.30
MSCI ACWI-ex-US Small cap (Net)	(3.02)	(5.75)	5.08	3.44	(0.96)	2.05	5.81	2.47	4.35	3.08
Global Equity	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
MSCI ACWI (Net)	(2.57)	(5.60)	3.66	5.81	(2.14)	6.18	11.50	3.58	6.92	7.25
MSCI ACWI Minimum Volatility (Net)	(1.88)	(2.85)	1.61	2.69	(1.28)	2.22	2.45	(1.20)	3.17	4.40

#### Relative Performance – Rolling Three Months Returns



Data Source: Bloomberg, All returns are in USD



### Fixed Income

Returns though Friday	August 18, 2023
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Fixed Income	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
Bloomberg U.S. Aggregate	(0.50)	(1.85)	(0.07)	(0.36)	(1.92)	(0.84)	0.13	(4.13)	(4.84)	0.27
Bloomberg Long Term Treasury	(1.48)	(5.38)	(2.17)	(0.02)	(7.43)	(2.30)	(3.99)	(14.38)	(14.50)	(2.33)
Bloomberg U.S. TIPS	(0.71)	(1.78)	0.13	(0.34)	(1.66)	(1.42)	0.18	(5.92)	(1.50)	2.17
Bloomberg US Treasury Bills	0.10	0.27	0.44	0.42	0.71	1.15	3.00	4.13	1.46	1.64
Bloomberg U.S. Corporate High Yield	(0.82)	(1.07)	1.38	1.67	0.30	1.75	5.69	2.35	1.64	3.13
Credit Suisse Leveraged Loan	0.24	0.54	1.30	2.24	1.84	3.12	8.29	7.99	5.78	4.19
Bloomberg US Convertibles Index	(1.75)	(4.35)	2.86	5.16	(1.62)	4.39	7.28	(0.55)	3.89	9.14
JPM EMBI Global Diversified	(1.83)	(2.85)	1.91	2.23	(0.99)	2.19	3.06	1.85	(4.79)	0.18

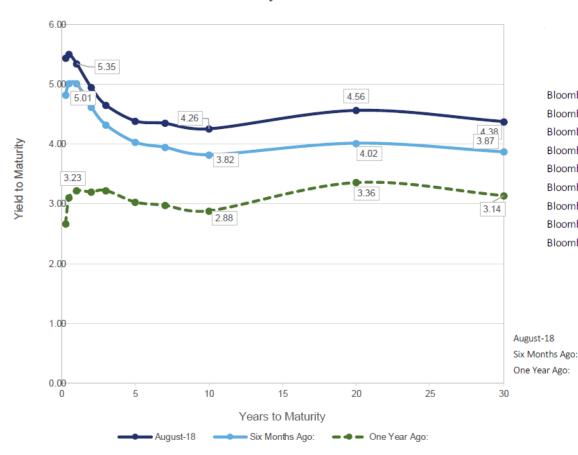
Market Yields		Previous 3 Month-ends		Previous 2 Quarter-ends		<b>EOY Prior</b>	1 Yr Ago	3 Yrs Ago	5 Yrs Ago	
Govt/Treasury Yields	08/18/23	07/31/23	06/30/23	05/31/23	06/30/23	03/31/23	12/30/22	08/18/22	08/18/20	08/17/18
Fed Funds Target Rate (Upper)	5.50	5.50	5.25	5.25	5.25	5.00	4.50	2.50	0.25	2.00
2-Year Treasury	4.95	4.88	4.90	4.41	4.90	4.03	4.43	3.20	0.14	2.61
5-Year Treasury	4.39	4.18	4.16	3.76	4.16	3.58	4.01	3.03	0.28	2.74
10-Year Treasury	4.26	3.96	3.84	3.65	3.84	3.47	3.88	2.88	0.67	2.86
30-Year Treasury	4.38	4.01	3.86	3.86	3.86	3.65	3.97	3.14	1.40	3.02
10-Year Real Treasury	1.95	1.59	1.62	1.48	1.62	1.15	1.58	0.37	(1.03)	0.77
Term Spreads	08/18/23	07/31/23	06/30/23	05/31/23	06/30/23	03/31/23	12/30/22	08/18/22	08/18/20	08/17/18
5 - 2 Year Treasury Spread	(0.56)	(0.70)	(0.75)	(0.65)	(0.75)	(0.46)	(0.43)	(0.18)	0.13	0.13
10 - 5 Year Treasury Spread	(0.13)	(0.22)	(0.32)	(0.12)	(0.32)	(0.11)	(0.13)	(0.15)	0.39	0.12
10 - 2 Year Treasury Spread	(0.69)	(0.92)	(1.06)	(0.76)	(1.06)	(0.56)	(0.56)	(0.32)	0.52	0.25
30 - 10 Year Treasury Spread	0.12	0.04	0.02	0.21	0.02	0.18	0.08	0.25	0.73	0.16
30 - 2 Year Treasury Spread	(0.57)	(0.87)	(1.04)	(0.55)	(1.04)	(0.38)	(0.47)	(0.07)	1.25	0.41

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Market Yields	08/18/23	07/31/23	06/30/23	05/31/23	06/30/23	03/31/23	12/30/22	08/18/22	08/18/20	08/17/18
Bloomberg U.S. Treasury YTW	4.62	4.43	4.37	4.07	4.37	3.83	4.18	3.16	0.49	2.76
Bloomberg U.S. Aggregate YTW	5.12	4.85	4.81	4.59	4.81	4.40	4.68	3.66	1.14	3.30
Bloomberg U.S. Long Treasury YTW	4.50	4.13	3.97	3.95	3.97	3.77	4.08	3.31	1.29	3.01
Bloomberg U.S. Long Govt/Credit YTW	5.24	4.85	4.75	4.78	4.75	4.58	4.91	4.17	2.28	3.93
Credit Spreads	08/18/23	07/31/23	06/30/23	05/31/23	06/30/23	03/31/23	12/30/22	08/18/22	08/18/20	08/17/18
Bloomberg Investment Grade OAS	1.24	1.12	1.23	1.38	1.23	1.38	1.30	1.34	1.31	1.12
Bloomberg High Yield OAS	3.92	3.67	3.90	4.59	3.90	4.55	4.69	4.24	5.01	3.41

Data Source: Bloomberg

# Weekly Market Report Yield Curve

U.S. Treasury Yield Curve



**Bloomberg Universal** Bloomberg U.S. Aggregate Bloomberg Gov't/Credit Bloomberg Gov't Bloomberg Long Treasuries **Bloomberg Credit Bloomberg Corporate** Bloomberg High Yield Bloomberg Global EMD

Option					
Adj.		Yield to	Yield to	Time to	
Duration	Coupon	Maturity	Worst	Maturity	Price
6.01	3.20	5.48	5.47	8.35	87.56
6.26	2.94	5.12	5.12	8.59	87.72
6.29	2.93	5.07	5.07	8.84	88.26
5.16	3.05	5.15	5.14	8.11	91.83
15.62	2.70	4.50	4.50	22.87	74.48
5.95	3.21	5.29	5.29	8.59	88.99
6.89	3.94	5.80	5.80	10.75	88.32
3.85	5.52	9.36	9.33	5.86	83.31
7.10	4.92	8.35	8.35	12.44	78.53

**Constant Maturity Treasury Rates** 

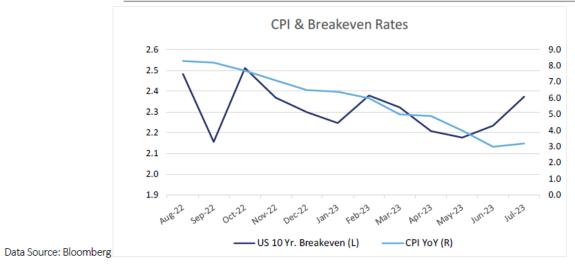
3 Mo	6 Mo	1 Yr	2 Yr	3 Yr	5 Yr	7 Yr	10 Yr	20 Yr	30 Yr	
5.45	5.50	5.35	4.95	4.65	4.39	4.35	4.26	4.56	4.38	
4.82	5.02	5.01	4.62	4.32	4.03	3.95	3.82	4.02	3.87	
2.67	3.11	3.23	3.20	3.23	3.03	2.98	2.88	3.36	3.14	

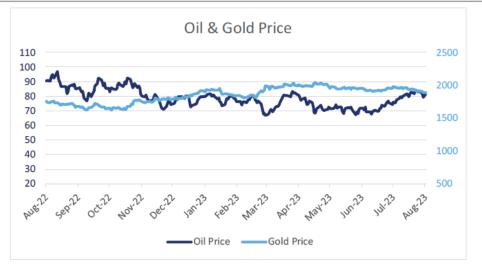
Data Source: Bloomberg

# Weekly Market Report Real Assets (Inflation-Sensitive)

Returns though Friday August 18, 2023

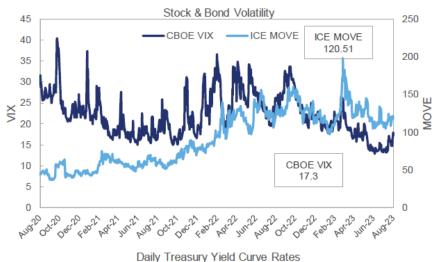
Real Assets	WTD	MTD	JUL	JUN	QTD	Q2 2023	YTD	1 Year	3 Year	5 Year
Wilshire Global Real Estate Securities	(2.97)	(5.35)	3.66	4.11	(1.89)	1.87	2.28	(11.70)	4.44	1.53
FTSE Global Core Infrastructure 50/50	(2.63)	(5.62)	2.12	2.93	(3.62)	(0.10)	(3.01)	(10.50)	4.65	4.80
Alerian Midstream Energy	(1.32)	(0.63)	3.30	6.97	2.65	3.71	7.28	1.15	22.91	6.93
Bloomberg Commodity	(1.17)	(2.62)	6.26	4.04	3.47	(2.56)	(4.59)	(10.17)	14.90	6.40
Gold	(1.28)	(3.86)	2.38	(2.21)	(1.57)	(2.54)	3.58	7.43	(1.92)	9.79
Bitcoin	(11.28)	(10.73)	(3.90)	12.07	(14.21)	7.03	57.26	11.34	29.41	32.10
Breakeven Inflation Rates	08/18/23	07/31/23	06/30/23	05/31/23	06/30/23	03/31/23	12/30/22	08/18/22	08/18/20	08/17/18
1-Year Breakeven Inflation	1.43	1.58	1.83	1.88	1.83	3.14	2.14	2.81	1.32	0.76
2-Year Breakeven Inflation	1.98	2.10	2.11	2.06	2.11	2.68	2.31	2.71	1.37	1.60
5-Year Breakeven Inflation	2.24	2.31	2.19	2.10	2.19	2.48	2.38	2.73	1.57	1.96
10-Year Breakeven Inflation	2.31	2.37	2.23	2.18	2.23	2.32	2.30	2.51	1.70	2.09
5-Year 5-Year Forward Breakeven Inflation	2.35	2.44	2.22	2.24	2.22	2.21	2.20	2.27	1.78	2.20





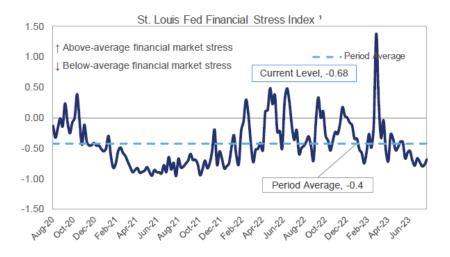
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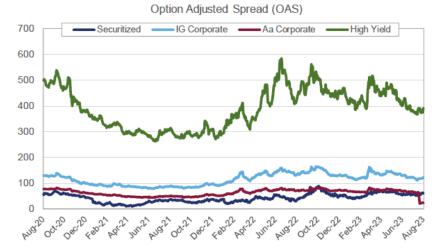
#### **Market Conditions**



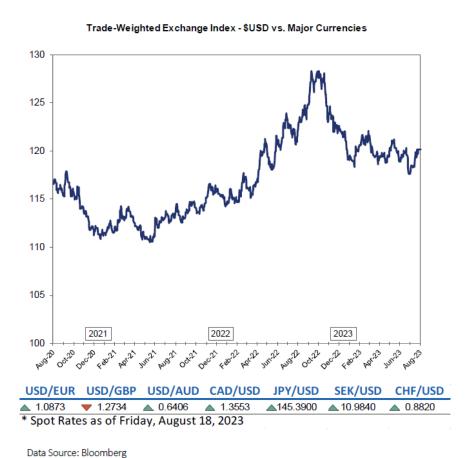


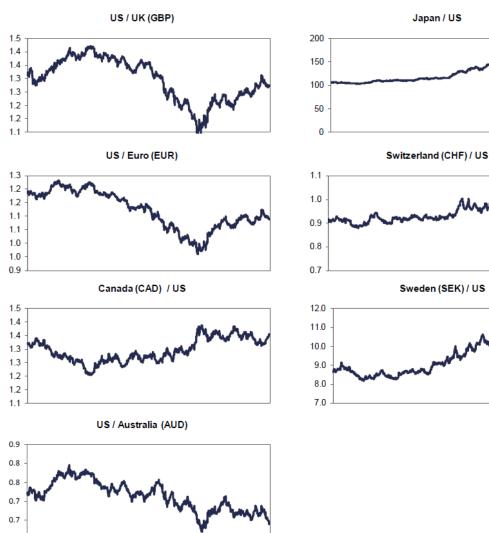
Data Source: Bloomberg





#### Currencies





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### Daily Market Report



One Year Cumulative Total Return								
MSCI ACWI IMI	3.1							
MSCI ACWI Min Vol	-1.2							
Russell 1000	3.2							
Russell 2000	-5.6							
MSCI EAFE	8.7							
MSCI Emerging Markets	-1.9							
Bloomberg Aggregate	-4.1							

U.S. Equity Size & Style	
Year-to-Date Performance	
Relative to Russell 3000	

	Core	Growth	value
Large	0.5	11.3	(9.7)
Mid	(7.6)	(2.9)	(10.5)
Small	(7.7)	(5.1)	(10.8)

Data Source: Bloomberg

August 18, 2023	WTD	MTD	QTD	YTD	1-Year	2-Year	3-Year	5-Year
FT Wilshire 5000	(2.19)	(5.01)	(1.60)	14.44	2.69	0.01	10.12	10.20
S&P 500	(2.05)	(4.66)	(1.60)	15.02	3.76	1.26	10.56	10.82
Russell 3000	(2.19)	(5.00)	(1.60)	14.31	2.71	(0.30)	9.80	9.99
Russell 1000	(2.12)	(4.88)	(1.61)	14.80	3.25	0.06	9.98	10.48
Russell Midcap	(2.87)	(5.84)	(2.11)	6.72	(1.91)	(3.52)	8.65	7.20
Russell 2000	(3.36)	(7.07)	(1.39)	6.58	(5.60)	(5.89)	7.17	3.27
Russell Microcap	(3.70)	(7.58)	(2.65)	(0.39)	(12.87)	(11.30)	4.93	1.40
Russell 1000 Growth	(1.89)	(5.78)	(2.61)	25.65	5.80	(1.07)	8.43	13.36
Russell 1000 Value	(2.37)	(3.88)	(0.50)	4.60	0.44	1.06	11.50	7.02
Russell 2000 Growth	(3.09)	(8.09)	(3.79)	9.25	(4.16)	(9.39)	1.61	2.71
Russell 2000 Value	(3.61)	(6.09)	0.99	3.52	(7.42)	(2.69)	12.69	3.17
MSCI ACWI IMI	(2.63)	(5.67)	(2.06)	10.91	3.10	(2.80)	6.93	6.85
MSCI ACWI	(2.57)	(5.60)	(2.14)	11.50	3.57	(2.41)	6.92	7.24
MSCI ACWI Minimum Volatility	(1.88)	(2.85)	(1.28)	2.45	(1.20)	(2.44)	3.17	4.39
MSCI ACWI x-US	(3.34)	(6.72)	(2.93)	6.26	4.59	(5.52)	3.21	3.27
MSCI EAFE	(3.30)	(6.27)	(3.23)	8.06	8.74	(3.76)	5.21	3.98
MSCI Emerging Markets	(3.29)	(7.74)	(1.99)	2.80	(1.92)	(10.12)	(2.03)	1.30
MSCI Europe	(3.10)	(5.89)	(3.00)	10.18	12.44	(2.98)	6.78	4.92
MSCI Pacific	(3.69)	(7.02)	(3.79)	4.27	2.65	(5.13)	2.49	2.35
Bloomberg Global Aggregate	(0.77)	(2.26)	(1.58)	(0.17)	(3.62)	(9.65)	(6.44)	(1.28)
Bloomberg US Universal	(0.56)	(1.79)	(1.69)	0.59	(3.34)	(6.79)	(4.37)	0.52
Bloomberg US Aggregate	(0.50)	(1.85)	(1.92)	0.13	(4.13)	(7.04)	(4.84)	0.27
Bloomberg Gov't / Credit	(0.52)	(1.79)	(1.87)	0.29	(3.67)	(7.29)	(5.03)	0.53
Bloomberg US Treasury	(0.41)	(1.50)	(1.85)	(0.29)	(4.32)	(7.01)	(5.45)	0.03
Bloomberg US Long Treasury	(1.48)	(5.38)	(7.43)	(3.99)	(14.38)	(17.63)	(14.50)	(2.33)
Bloomberg US TIPS	(0.71)	(1.78)	(1.66)	0.18	(5.92)	(5.08)	(1.50)	2.16
Bloomberg US Corporate	(0.71)	(2.38)	(2.04)	1.10	(2.97)	(8.02)	(4.76)	1.08
Bloomberg US Long Corporate	(1.38)	(4.89)	(5.01)	(0.38)	(7.57)	(14.04)	(8.74)	0.16
Bloomberg US Corporate High Yield	(0.82)	(1.07)	0.30	5.69	2.35	(2.37)	1.64	3.13
Bloomberg US MBS	(0.47)	(2.09)	(2.17)	(0.34)	(5.45)	(6.55)	(4.51)	(0.48)
S&P / LSTA Leveraged Loan 100	0.19	0.53	1.60	8.08	7.90	4.30	4.84	4.05
Bloomberg Municipal Bond	(0.58)	(1.41)	(1.02)	1.62	0.64	(3.63)	(1.50)	1.54
Bloomberg US Treasury Bills	0.10	0.27	0.71	3.00	4.13	2.15	1.46	1.64
Wilshire Global Real Estate	(2.97)	(5.35)	(1.89)	2.28	(11.70)	(8.16)	4.44	1.53
Bloomberg Commodity	(1.17)	(2.62)	3.47	(4.59)	(10.17)	8.40	14.90	6.40
Bloomberg Gold	(1.44)	(4.36)	(1.89)	3.38	7.20	2.50	(2.68)	8.77
Alerian MLP	(0.05)	(0.32)	5.61	15.86	15.84	26.60	32.13	5.03
Alerian Midstream Energy	(1.32)	(0.63)	2.65	7.28	1.15	17.51	22.91	6.93
Wilshire Liquid Alternative Index	(0.59)	(1.06)	(0.24)	2.35	(0.07)	(1.53)	1.69	1.47

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