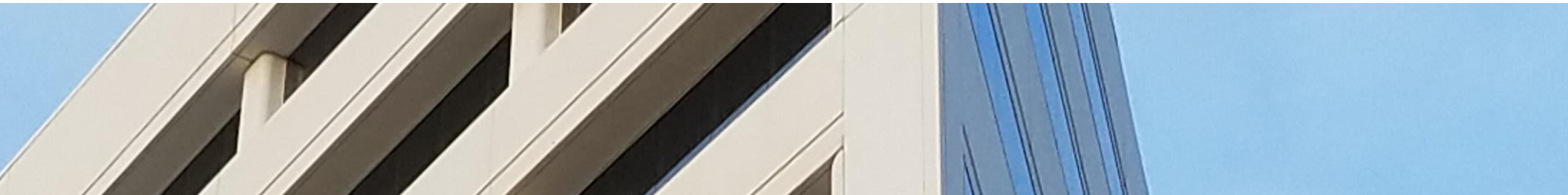




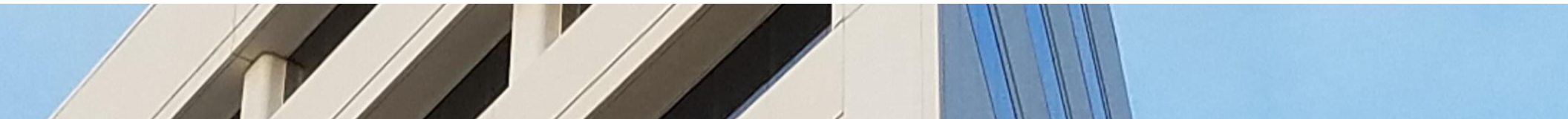
WILSHIRE ASSOCIATES

Wilshire Consulting



Jacksonville Police & Fire Pension Fund - Update

December 21, 2018



CAPITAL MARKETS REVIEW

Weekly Capital Markets Update

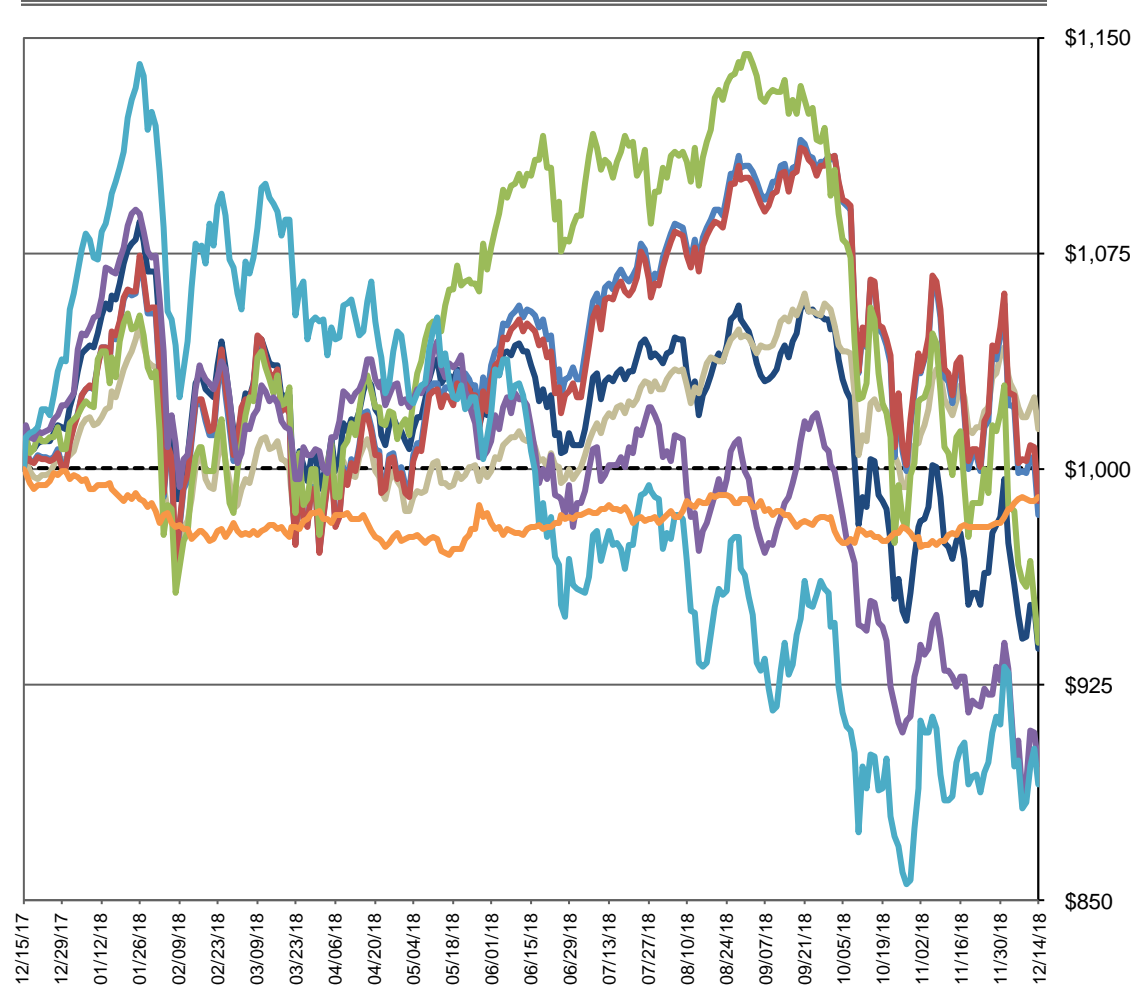
As of December 14, 2018



Total Return Performance (%)

	1-Week	MTD	QTD	YTD	1-Year
Wilshire 5000	-1.43	-5.94	-11.12	-1.75	-0.74
Standard & Poor's 500	-1.22	-5.72	-10.37	-0.90	-0.04
Wilshire U.S. Large-Cap	-1.28	-5.75	-10.57	-1.19	-0.28
Wilshire U.S. Mid-Cap	-2.37	-6.83	-13.16	-5.74	-3.94
Wilshire U.S. Small-Cap	-2.79	-7.81	-16.01	-6.78	-4.83
Wilshire U.S. Micro-Cap	-3.14	-7.36	-19.23	-10.87	-8.60
Wilshire U.S. Large-Cap Growth	-1.18	-6.11	-14.10	-0.43	0.24
Wilshire U.S. Mid-Cap Growth	-2.68	-8.06	-15.94	-7.60	-5.54
Wilshire U.S. Small-Cap Growth	-2.87	-8.99	-17.87	-6.62	-4.61
Wilshire U.S. Large-Cap Value	-1.38	-5.43	-7.24	-2.25	-1.12
Wilshire U.S. Mid-Cap Value	-2.03	-5.48	-10.02	-4.05	-2.59
Wilshire U.S. Small-Cap Value	-2.69	-6.61	-14.09	-7.02	-5.13
MSCI All-Country World IMI	-1.26	-4.68	-10.90	-7.60	-5.99
MSCI All-Country World Min Vol	-0.78	-2.49	-4.17	1.04	1.69
MSCI All-Country World x-U.S.	-0.96	-3.00	-10.05	-12.82	-10.80
MSCI World x-U.S.	-0.96	-3.25	-11.02	-12.35	-10.66
MSCI EAFE	-0.89	-3.12	-10.94	-12.22	-10.67
MSCI EAFE Small-Cap	-2.08	-4.64	-14.42	-16.30	-13.84
MSCI Emerging Markets	-0.95	-2.27	-7.10	-14.23	-11.21
MSCI Frontier Markets	-1.26	-0.47	-1.91	-14.29	-12.79
MSCI Europe	-0.30	-3.05	-11.28	-13.46	-11.68
MSCI Pacific	-1.85	-3.20	-10.40	-10.22	-9.13
Wilshire U.S. RESI	-2.20	-1.85	-0.39	1.95	1.52
Wilshire Global RESI	-1.72	-1.09	-1.04	-0.25	0.22
Alerian MLP	0.11	-1.08	-9.74	-4.42	-4.21
Barclays Universal	0.07	0.85	0.45	-0.96	-1.04
Barclays Aggregate	0.06	0.91	0.71	-0.90	-1.01
Barclays U.S. Treasury	-0.03	0.94	1.35	-0.34	-0.55
Barclays U.S. Treasury Long	0.03	3.04	1.79	-4.10	-4.58
Barclays U.S. TIPS	-0.67	-0.04	-1.00	-1.83	-1.55
Barclays Govt/Credit	0.11	1.00	0.59	-1.26	-1.39
Barclays Corporate	0.34	1.11	-0.53	-2.85	-2.85
Barclays Long Corporate	0.84	2.50	-1.73	-7.17	-7.03
Barclays High Yield	0.11	-0.03	-2.47	0.03	0.23
Barclays MBS	-0.06	0.75	1.02	-0.06	-0.15
Barclays Global Aggregate x-USD	-0.64	0.27	-1.01	-4.01	-3.21
Barclays Global EMD	0.25	0.96	-0.85	-3.37	-3.04
S&P/LTSA U.S. Leveraged Loan 100	-0.77	-1.27	-2.52	1.34	1.56

One-Year Growth of \$1,000



Relative Performance to the Wilshire 5000 (YTD)

	Value	Core	Growth
Large Cap	-0.50%	+0.56%	+1.32%
Mid Cap	-2.30%	-3.99%	-5.85%
Small Cap	-5.27%	-5.03%	-4.87%
Micro Cap		-9.12%	

Wilshire 5000 Index Return (YTD) = -1.75%

Hypothetical Values at End of One-Year¹

MSCI ACWI IMI	\$	936.86
MSCI ACWI Min Vol	\$	1,013.33
Wilshire 5000	\$	983.76
Wilshire US Large Cap	\$	988.70
Wilshire US Small Cap	\$	939.18
MSCI EAFE	\$	897.10
MSCI Emerging Mkts	\$	890.05
Barclays Aggregate	\$	990.10

Weekly Capital Markets Update

As of December 14, 2018

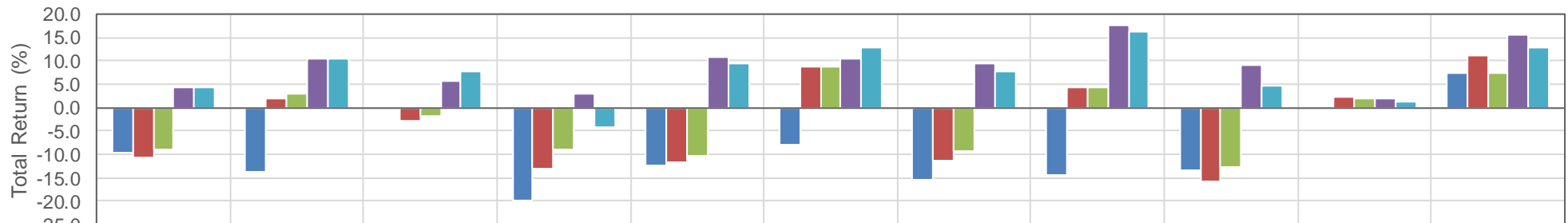


Wilshire 5000 Total Performance

QTD (11.12)
YTD (1.75)
1-Year (0.74)

Return by GICS Sector

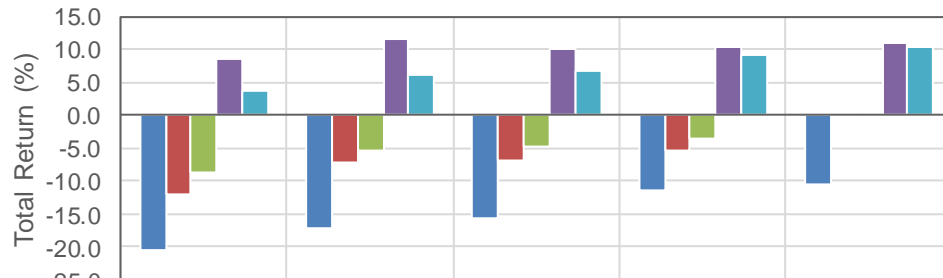
■ Quarter-to-Date ■ Year-to-Date ■ 1-Year ■ 3-Years ■ 5-Years



Segment Weight	9.2%	10.4%	7.1%	5.1%	14.0%	14.4%	9.8%	19.7%	2.5%	4.3%	3.4%
QTD	(9.8)	(13.7)	0.2	(19.9)	(12.5)	(8.1)	(15.6)	(14.6)	(13.4)	0.2	7.3
Calendar YTD	(10.6)	1.7	(2.9)	(13.2)	(11.7)	8.7	(11.5)	4.2	(15.7)	2.2	11.1
1 Year	(8.8)	2.9	(1.7)	(8.9)	(10.5)	8.8	(9.4)	4.3	(12.9)	1.8	7.4
3 Years	4.4	10.6	5.8	2.9	10.8	10.5	9.5	17.5	8.9	2.0	15.6
5 Years	4.4	10.5	7.8	(4.1)	9.5	12.8	7.6	16.2	4.8	1.2	12.9

Return by Market Cap Size

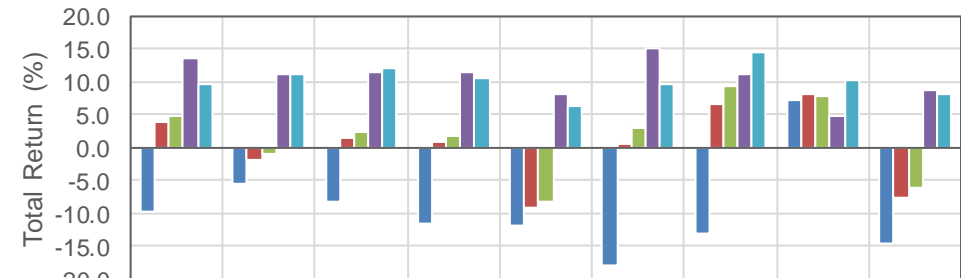
■ Quarter-to-Date ■ Year-to-Date ■ 1-Year ■ 3-Years ■ 5-Years



Segment Weight	0.3%	1.4%	7.8%	19.6%	71.0%
QTD	(20.4)	(17.2)	(15.5)	(11.3)	(10.5)
Calendar YTD	(12.0)	(7.1)	(6.7)	(5.2)	(0.2)
1 Year	(8.7)	(5.4)	(4.7)	(3.5)	0.5
3 Years	8.7	11.6	10.1	10.3	11.0
5 Years	3.6	6.1	6.9	9.2	10.3

Return by Quality Rating

■ Quarter-to-Date ■ Year-to-Date ■ 1-Year ■ 3-Years ■ 5-Years



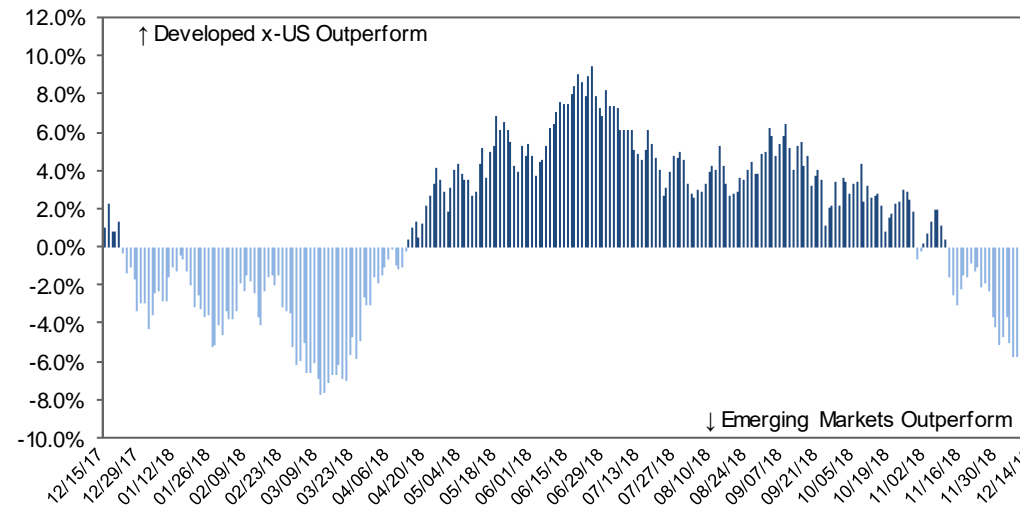
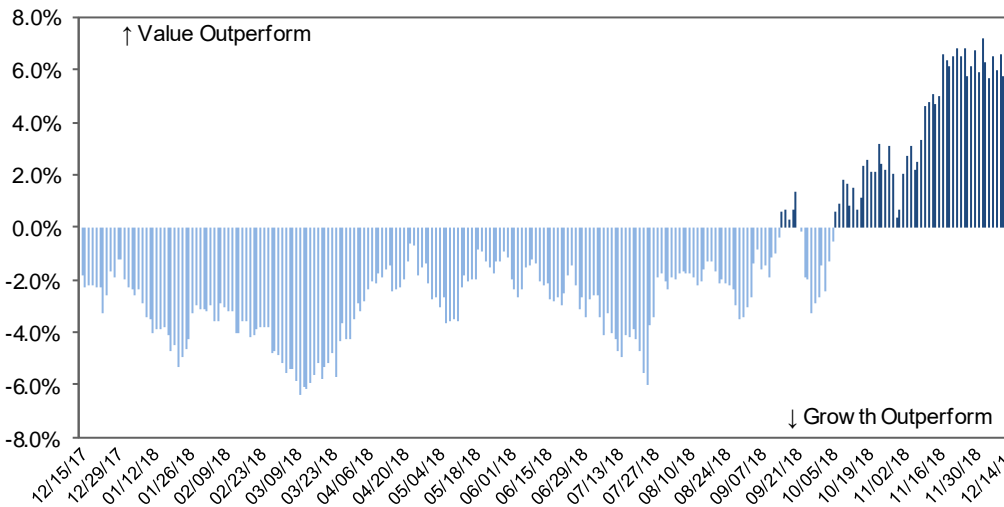
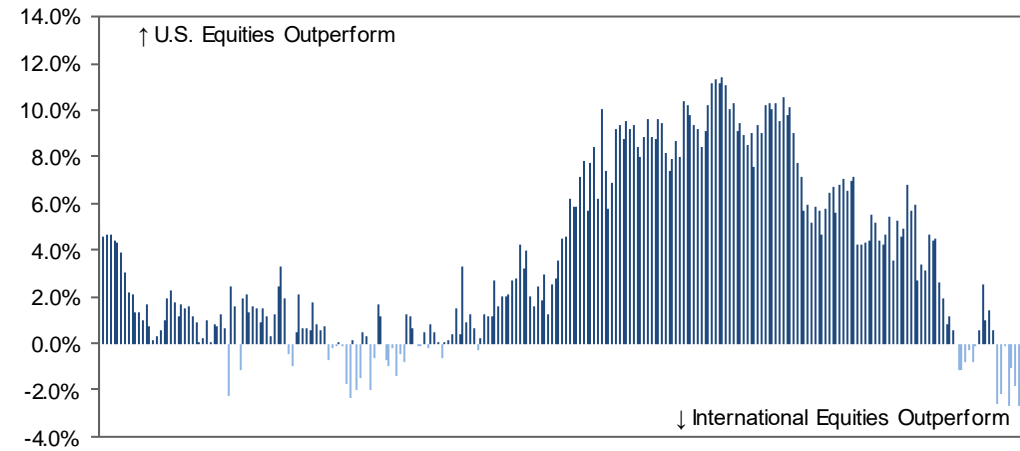
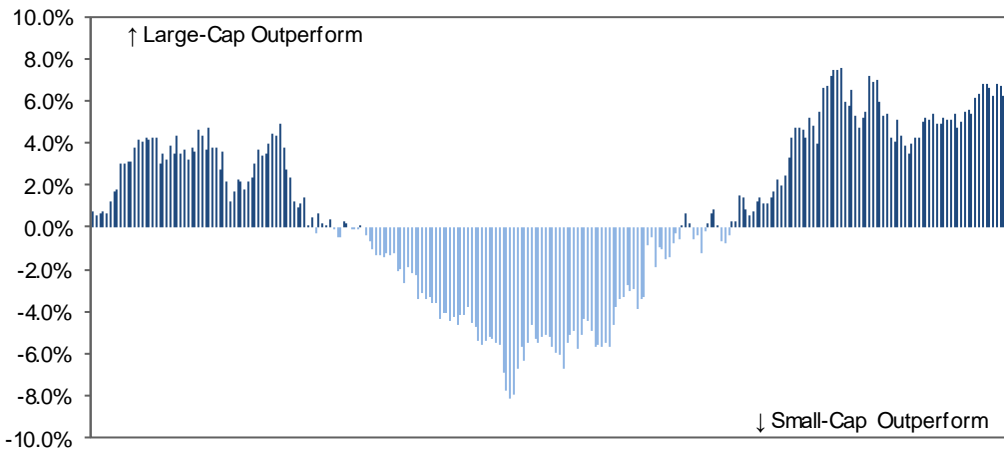
Segment Weight	5.9%	8.8%	14.8%	29.4%	14.9%	8.5%	3.0%	1.0%	11.1%
QTD	(9.8)	(5.4)	(8.3)	(11.4)	(12.0)	(17.9)	(13.1)	7.2	(14.4)
Calendar YTD	3.8	(1.9)	1.6	1.0	(9.1)	0.6	6.5	8.2	(7.5)
1 Year	4.7	(1.0)	2.3	1.7	(8.1)	3.0	9.4	8.0	(6.1)
3 Years	13.6	11.3	11.5	11.5	8.2	15.0	11.1	4.8	8.8
5 Years	9.8	11.1	12.0	10.6	6.3	9.7	14.4	10.3	8.0

Weekly Capital Markets Update

As of December 14, 2018



Relative Performance – Rolling Three Months Returns



Charts above display the comparative performance of certain style, size, or region groups, based off rolling three-month total returns (calculated daily). Left-hand axis represents the magnitude of outperformance for each particular style, size, or region grouping.

Representative Market Indexes

Large Cap:	Wilshire US Large Cap Index	Large Value:	Wilshire US Large Value Index	Domestic (US):	Wilshire 5000 Index	Developed Non-US:	MSCI Developed x-US
Small Cap:	Wilshire US Small Cap Index	Large Growth:	Wilshire US Large Growth Index	International (Non-US):	MSCI ACWI x-US Index	Emerging Markets:	MSCI Emerging Markets

Weekly Capital Markets Update

As of December 14, 2018

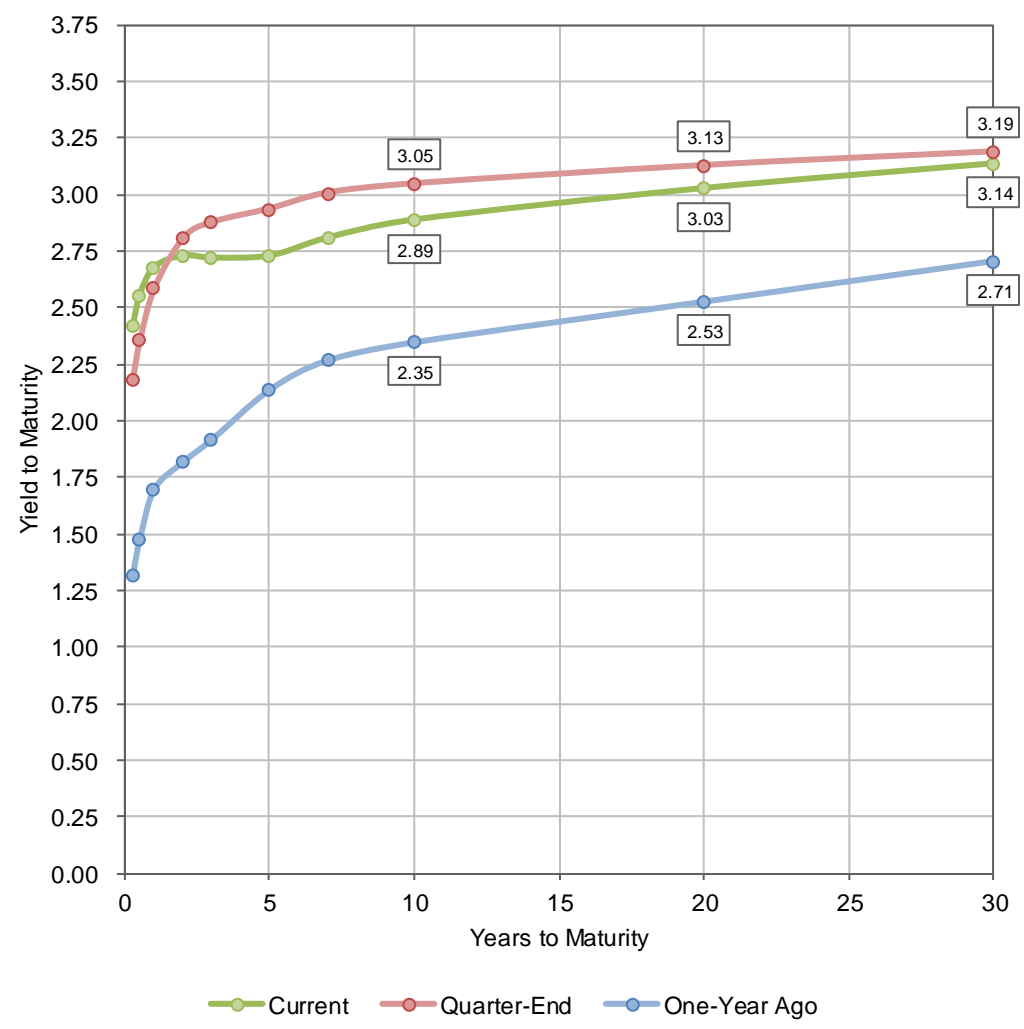


Yield to Maturity Spread



	Effective Duration	Current Yield	Yield to Maturity	Yield to Worst	Years to Maturity	Average Price
Barclays Universal	5.71	3.56	3.82	3.82	12.04	98.74
Barclays Aggregate	5.91	3.22	3.44	3.43	13.03	99.30
Barclays Gov't/Credit	6.36	3.07	3.40	3.39	8.83	99.03
Barclays Gov't	5.97	2.42	2.82	2.82	7.60	98.87
Barclays Treasuries	6.04	2.41	2.82	2.82	7.68	98.75
Barclays Long Treasuries	16.91	3.23	3.12	3.12	25.11	101.57
Barclays Credit	6.88	3.97	4.18	4.17	10.49	99.26
Barclays Corporate	7.12	4.05	4.28	4.27	10.78	98.90
Barclays High Yield	4.01	6.65	7.25	7.31	5.88	94.85
Merrill Lynch HY Master II	4.05	6.64	7.23	7.35	5.88	94.66
Barclays Global EMD	5.54	5.09	5.32	5.36	8.75	96.52

U.S. Treasury Yield Curve



Constant Maturity Treasury Rates

	3 Mo	6 Mo	1 Yr	2 Yr	3 Yr	5 Yr	7 Yr	10 Yr	20 Yr	30 Yr
Current (as of 12/14):	2.42	2.56	2.68	2.73	2.72	2.73	2.81	2.89	3.03	3.14
Prior Quarter-End (as of 9/30):	2.19	2.36	2.59	2.81	2.88	2.94	3.01	3.05	3.13	3.19
One Year Ago (as of 12/14/17):	1.32	1.48	1.70	1.82	1.92	2.14	2.27	2.35	2.53	2.71

Weekly Capital Markets Update

As of December 14, 2018



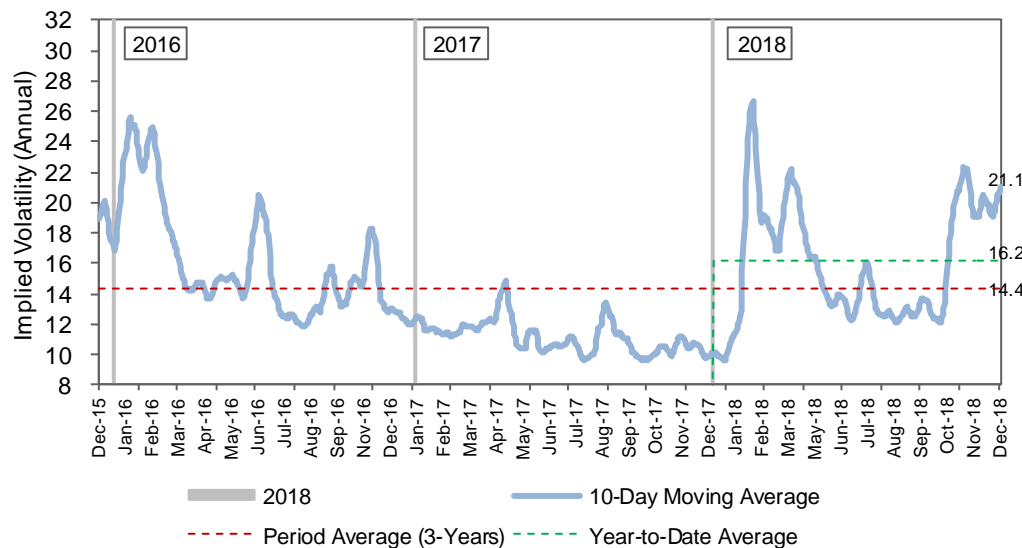
Treasury Yields - Prior 3 Years



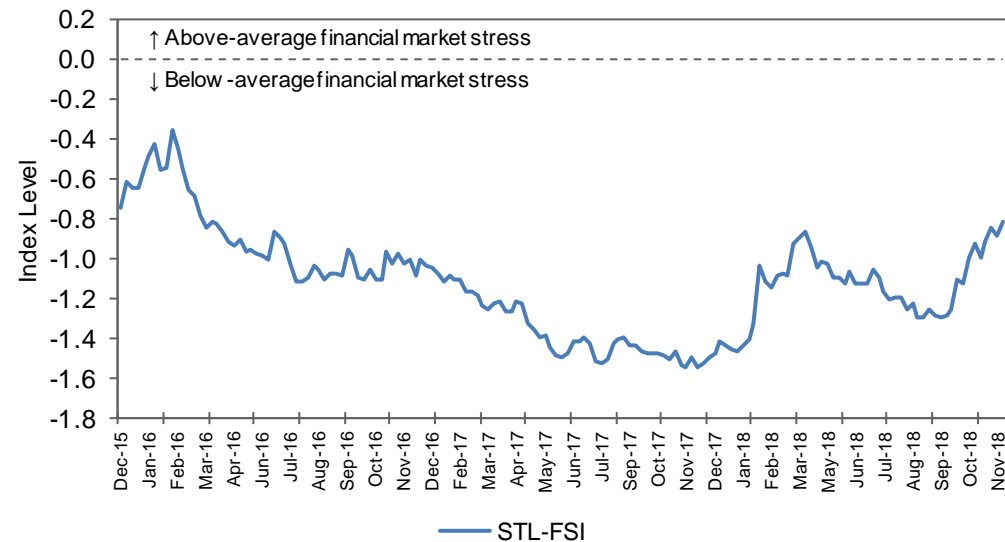
Treasury Yield - Prior 20 Years



Equity Volatility (VIX)



Federal Reserve Bank of St. Louis - Financial Stress Index (FSI)



As of Friday, December 14, the CBOE's Equity Volatility Index ('VIX') is currently at 21.6 (the 10-day moving average for the VIX is 21.1)

Note: The St. Louis Fed created the Financial Stress Index (FSI) in the aftermath of the financial crisis, in 2010. It is designed to measure the degree of financial stress in the markets and is constructed from 18 weekly data series (7 interest rate series, 6 yield spreads, and 5 other indicators). The average value of the index (which begins in late 1993) is designed to be zero, representing normal market conditions. Values below zero represent below-average financial market stress, while values above zero represent above-average stress. (Source <https://fred.stlouisfed.org/series/STLFSI>)

Weekly Capital Markets Update

As of December 14, 2018



Trade-Weighted Exchange Index - \$USD vs. Major Currencies



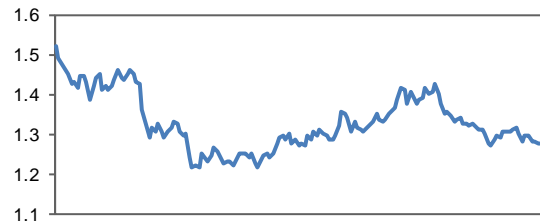
Spot Rates *

USD/EUR	USD/GBP	USD/AUD	CAD/USD	JPY/USD	SEK/USD	CHF/USD
▲ 1.1297	▲ 1.2560	▲ 0.7173	▲ 1.3372	▲ 113.4150	▲ 9.0668	▲ 0.9966

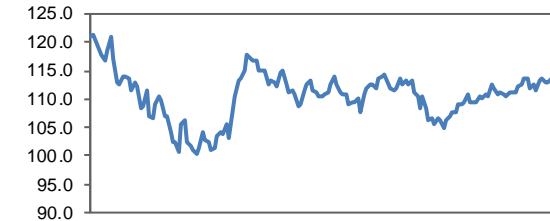
* Spot Rates as of Friday 12/14

Relative to prior week's rate:
 ▲ U.S. Dollar Appreciation
 — No Change
 ▼ U.S. Dollar Depreciation

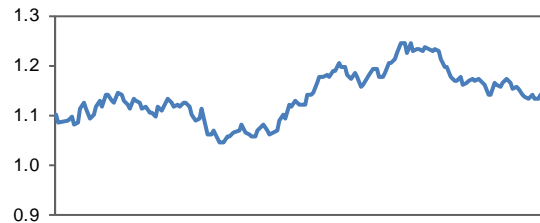
US / UK



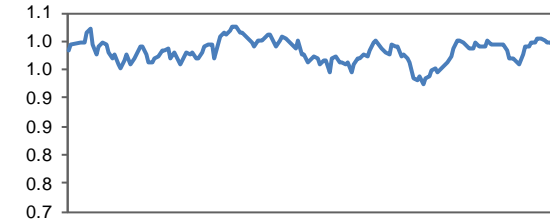
Japan / US



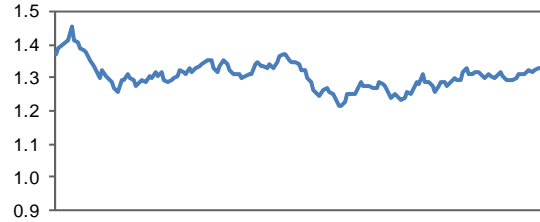
US / Euro



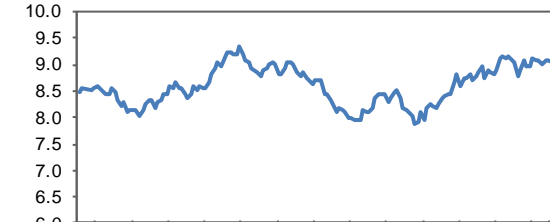
Switzerland (CHF) / US



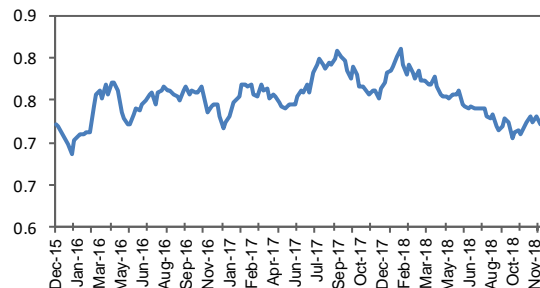
Canada / US



Sweden (SEK) / US



US / Australia



1 The Trade Weighted Exchange Index presented above is a weighted average of the foreign exchange value of the U.S. dollar against a subset of the broad index currencies that circulate widely outside the country of issue. (The Trade Weighted Exchange Index is lagged by 1 week).

At this time, the major currencies index includes the Euro (€), United Kingdom (£), Australia (\$AUD), Canada (\$CAD), Japan (¥), Sweden (kr), and Switzerland (fr).

Weekly Capital Markets Update

As of December 14, 2018

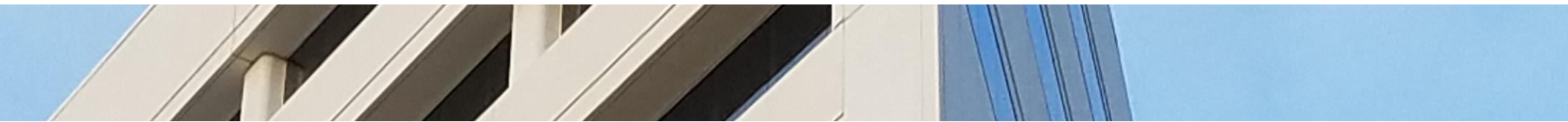


Index Fundamentals

Index	Growth		Size	Valuation					Risk	
	5-Year EPS	5-Year Dividend	Weighted Avg. Market Cap (\$Million)	Price to Earnings	Price to Book	Current Yield	Return on Equity	Price Residual	Beta	Debt to Equity
Wilshire 5000	8.69	7.13	\$ 184,482	21.20	2.56	2.07	29.97	0.16	1.00	93.74
Standard & Poor's 500	8.54	7.78	\$ 202,479	20.60	2.74	2.12	31.81	0.23	0.99	94.36
Wilshire US Large-Cap	8.83	7.48	\$ 202,822	20.70	2.68	2.10	31.22	0.13	1.00	95.92
Wilshire US Mid-Cap	6.53	4.84	\$ 6,073	21.00	2.08	1.87	19.12	0.82	0.98	88.63
Wilshire US Small-Cap	7.12	3.56	\$ 2,690	25.80	1.80	1.80	17.27	0.59	1.05	72.27
Wilshire US Micro-Cap	10.59	1.74	\$ 259	N/A	1.33	1.50	14.85	-2.11	0.83	54.39
Wilshire US Large-Cap Growth	19.50	6.76	\$ 249,119	20.80	3.23	0.97	47.99	-1.91	1.10	88.03
Wilshire US Mid-Cap Growth	13.65	3.77	\$ 5,949	21.10	2.62	0.75	26.49	0.82	1.10	77.24
Wilshire US Small-Cap Growth	15.08	2.95	\$ 2,967	22.10	2.31	0.64	14.26	0.65	1.16	65.01
Wilshire US Large-Cap Value	-0.48	8.11	\$ 162,329	20.60	2.33	3.08	16.49	1.92	0.91	102.67
Wilshire US Mid-Cap Value	-0.93	5.98	\$ 6,205	20.90	1.70	3.05	10.97	0.81	0.86	100.64
Wilshire US Small-Cap Value	-0.49	4.17	\$ 2,416	31.00	1.47	2.95	20.25	0.54	0.94	79.52
MSCI AC World Index IMI	8.96	8.29	\$ 115,230	18.30	1.97	2.57	23.09	0.39	0.99	81.89
MSCI AC World Index Min Vol	5.69	6.70	\$ 66,042	18.40	2.34	2.87	22.80	2.09	0.63	74.66
MSCI AC World Index x-U.S.	9.81	9.64	\$ 57,556	15.40	1.54	3.26	16.50	0.65	1.00	69.20
MSCI World x-U.S.	8.88	7.85	\$ 52,620	15.70	1.54	3.50	16.40	0.80	1.00	74.21
MSCI EAFE	9.14	7.95	\$ 53,882	15.50	1.53	3.52	16.55	0.63	1.00	73.69
MSCI EAFE Small-Cap	12.11	10.66	\$ 2,316	17.40	1.39	2.84	14.44	0.36	0.80	58.08
MSCI Emerging Markets	12.69	15.21	\$ 71,841	14.50	1.53	2.57	16.82	0.18	1.00	53.94
MSCI Frontier Markets	9.09	7.86	\$ 5,690	15.10	1.67	3.93	18.99	0.58	1.03	46.35
MSCI Europe	5.22	5.86	\$ 65,023	17.30	1.64	3.80	18.70	0.85	1.00	78.26
MSCI Pacific	15.92	11.58	\$ 35,604	13.20	1.37	3.07	13.01	0.21	1.00	65.78
Wilshire U.S. RESI	10.97	10.66	\$ 18,759	32.90	2.32	3.95	12.48	3.20	0.53	149.04
Wilshire Global RESI	10.09	8.66	\$ 15,591	19.90	1.57	3.90	11.81	2.71	0.59	118.53
Alerian MLP	1.92	10.20	\$ 16,494	21.80	1.18	8.37	12.61	-2.24	1.22	119.65

Notes:

- **5-Year EPS:** Annualized; The slope in a log-linear regression where the logarithm of the past six years' EPS are regressed against time (the trailing 12 month EPS values are used). A minimum of three years of positive EPS values are required to produce a value.
- **5-Year Dividend:** Annualized; The slope in a log-linear regression where the logarithm of the past six fiscal years' dividends are regressed against time. [Wilshire sums all of the dividends for each year (determined by ex-date) to produce an annual dividend prior to running the regression.]
- **Price / Earnings:** The ratio of a firm's closing stock price and its trailing 12 month's earnings per share (EPS). Portfolio totals are computed using an Inverse Harmonic Method (stocks with negative P/E ratios are excluded from the portfolio totals).
- **Price / Book:** The ratio of a firm's closing stock price and its fiscal year-end book value per share.
- **Current Yield:** Dividend Yield; Indicated dividend rate divided by current price, expressed as a percent.
- **Return on Equity:** Net Income divided by total common equity outstanding, expressed as a percent.
- **Price Residual:** A price momentum measure which captures the mean return reversion tendencies of stocks. It is a measure of the difference between a security's actual return in the last period and the expected (CAPM) return with respect to its historical beta. Data is computed from 60 months of observations (a minimum of 12 months is required).
- **Beta:** The slope in a regression of a stock's excess return (total return less the risk-free rate) and the excess return of the market. Beta is computed from 60 months of data; however few observations are used for stocks with shorter trading histories (a minimum of 12 months is required). Country of risk is used to determine the appropriate market return and risk free rate to apply to each security.
- **Debt / Equity:** Indicator of financial leverage. Compares assets provided by creditors to assets provided by shareholders. Determined by dividing total debt by total common equity outstanding at the end of fiscal period, expressed in percent.



PERFORMANCE UPDATE: DECEMBER MTD

- Wilshire prepared a performance estimate for the Jacksonville Police & Fire Pension Fund
 - Estimate is for the one month period ending November 30, 2018 and the month-to-date period ending December 20, 2018
- Estimate is calculated by applying beginning month manager weights to underlying benchmark index returns
 - Accounts for underlying style and size positioning
 - » i.e. over(under) weight large or small cap, growth or value in public equity
 - Active management and cash flows are not incorporated into the estimate
- Estimate Summary
 - *Estimated* November 2018 return of 1.09%
 - *Estimated* December month-to-date* return of -5.75%
 - *Estimated* year-to-date* return of -6.14%
 - » Russell 3000 Index YTD* return of -6.81%
 - » MSCI ACWI ex-US Index YTD* return of -14.65%
 - » Bloomberg Aggregate Index YTD* return of -0.41%

PERFORMANCE SUMMARY

Estimate

Asset Class	One Month Ending November 30, 2018		
	Return (%)	Market Value	
		In Millions (\$)	% of Total
Total U.S. Equity	1.95		
Russell 3000 Index	<u>2.00</u>	807.4	43.1
Value Added	-0.05		
Total Non-U.S. Equity	1.12		
MSCI ACWI ex-US Index	<u>0.95</u>	362.7	19.4
Value Added	0.17		
Total Fixed Income	0.48		
Policy Index	<u>0.48</u>	395.5	21.1
Value Added	0.00		
Total MLPs	-1.42		
S&P MLP Index	<u>-1.42</u>	77.5	4.1
Value Added	0.00		
Total Real Estate	0.00		
NCREIF ODCE NOF	<u>0.00</u>	222.7	11.9
Value Added	0.00		
Total Cash	0.18	7.3	0.4
Total Fund	1.09		
Policy Index	<u>0.99</u>	1,873.1	100
Value Added	0.10		

MTD Through December 20, 2018		
Return (%)	Market Value	
	In Millions (\$)	% of Total
-11.01		
<u>-10.81</u>	718.6	40.7
-0.20		
-4.71		
<u>-5.03</u>	345.6	19.6
0.32		
1.22		
<u>1.23</u>	400.3	22.7
-0.01		
-8.44		
<u>-8.44</u>	71.0	4.0
0.00		
0.00		
<u>0.00</u>	222.7	12.6
0.00		
0.11	7.3	0.4
-5.75		
<u>-5.45</u>	1,765.4	100.0
-0.30		



PAYROLL CONTRIBUTION

Jacksonville Police & Fire

Values as of December 19, 2018

(Estimated)

		Current Position					Pro-Forma Position				
				Variance					Variance		
		Market Value (Pre-Transaction)	Actual Weight	Target Weight	%	\$	Cash Flow	Market Value (Post-Transaction)	Actual Weight	Target Weight	%
U.S. Equity		\$ 757,390,986	39.3%	37.0%	2.3%	\$ 44,093,784	\$ 40,000,000	\$ 797,390,986	41.4%	37.0%	4.4%
	<i>NT S&P 500 Index Fund</i>	\$ 191,668,573	9.9%	11.0%	-1.1%	\$ (20,392,757)	\$ 40,000,000	\$ 231,668,573	12.0%	11.0%	1.0%
	<i>Eagle Capital Management</i>	\$ 194,784,898	10.1%	10.0%	0.1%	\$ 2,001,870	\$ -	\$ 194,784,898	10.1%	10.0%	0.1%
	<i>Loomis Sayles</i>	\$ 113,893,627	5.9%	5.0%	0.9%	\$ 17,502,113	\$ -	\$ 113,893,627	5.9%	5.0%	0.9%
	<i>Sawgrass Asset Management</i>	\$ 111,845,297	5.8%	5.0%	0.8%	\$ 15,453,783	\$ -	\$ 111,845,297	5.8%	5.0%	0.8%
	<i>Pinnacle</i>	\$ 64,325,627	3.3%	3.0%	0.3%	\$ 6,490,719	\$ -	\$ 64,325,627	3.3%	3.0%	0.3%
	<i>Wedge Capital Management</i>	\$ 80,859,821	4.2%	3.0%	1.2%	\$ 23,024,913	\$ -	\$ 80,859,821	4.2%	3.0%	1.2%
	* <i>Brown Investment Advisory</i>	\$ 13,143	0.0%	0.0%	0.0%	\$ 13,143	\$ -	\$ 13,143	0.0%	0.0%	0.0%
Non-U.S. Equity		\$ 353,486,120	18.3%	20.0%	-1.7%	\$ (32,079,935)	\$ 50,000,000	\$ 403,486,120	20.9%	20.0%	0.9%
	<i>NT EAFE Index Fund</i>	\$ 3,345	0.0%	1.0%	-1.0%	\$ (19,274,958)	\$ 50,000,000	\$ 50,003,345	2.6%	1.0%	1.6%
	<i>Silchester</i>	\$ 137,100,996	7.1%	7.0%	0.1%	\$ 2,152,877	\$ -	\$ 137,100,996	7.1%	7.0%	0.1%
	<i>Baillie Gifford</i>	\$ 108,181,838	5.6%	4.0%	1.6%	\$ 31,068,627	\$ -	\$ 108,181,838	5.6%	4.0%	1.6%
	<i>Acadian</i>	\$ 108,199,941	5.6%	6.0%	-0.4%	\$ (7,469,876)	\$ -	\$ 108,199,941	5.6%	6.0%	-0.4%
	<i>TBD - Int'l Dev. Small Cap</i>	\$ -	0.0%	2.0%	-2.0%	\$ (38,556,606)	\$ -	\$ -	0.0%	2.0%	-2.0%
Fixed Income		\$ 396,074,778	20.5%	19.5%	1.0%	\$ 20,147,874	\$ 26,000,000	\$ 422,074,778	21.9%	19.5%	2.4%
	<i>NT Aggregate Bond Index</i>	\$ 1,837,072	0.1%	1.0%	-0.9%	\$ (17,441,231)	\$ 26,000,000	\$ 27,837,072	1.4%	1.0%	0.4%
	<i>Neuberger Berman</i>	\$ 185,733,241	9.6%	9.0%	0.6%	\$ 12,228,516	\$ -	\$ 185,733,241	9.6%	9.0%	0.6%
	<i>Loomis, Sayles & Company</i>	\$ 131,450,097	6.8%	6.5%	0.3%	\$ 6,141,129	\$ -	\$ 131,450,097	6.8%	6.5%	0.3%
	<i>Thompson Siegel Fixed</i>	\$ 77,054,368	4.0%	3.0%	1.0%	\$ 19,219,460	\$ -	\$ 77,054,368	4.0%	3.0%	1.0%
Real Estate		\$ 224,098,491	11.6%	10.0%	1.6%	\$ 31,315,463	\$ -	\$ 224,098,491	11.6%	10.0%	1.6%
	<i>JP Morgan</i>	\$ 169,983,972	8.8%	5.0%	3.8%	\$ 73,592,458	\$ -	\$ 169,983,972	8.8%	5.0%	3.8%
	<i>Principal Global Investments</i>	\$ 54,114,519	2.8%	5.0%	-2.2%	\$ (42,276,995)	\$ -	\$ 54,114,519	2.8%	5.0%	-2.2%
MLPs/Energy		\$ 72,380,020	3.8%	3.0%	0.8%	\$ 14,545,112	\$ -	\$ 72,380,020	3.8%	3.0%	0.8%
	<i>Harvest Fund Advisors</i>	\$ 35,270,756	1.8%	1.5%	0.3%	\$ 6,353,302	\$ -	\$ 35,270,756	1.8%	1.5%	0.3%
	<i>Tortoise Capital Advisors</i>	\$ 37,109,264	1.9%	1.5%	0.4%	\$ 8,191,810	\$ -	\$ 37,109,264	1.9%	1.5%	0.4%
Private Market Investments		\$ -	0.0%	10.0%	-10.0%	\$ (192,783,028)	\$ -	\$ -	0.0%	10.0%	-10.0%
Cash		\$ 124,376,202	6.5%	0.5%	6.0%	\$ 114,737,051	\$ (116,000,000)	\$ 8,376,202	0.4%	0.5%	-0.1%
Total Portfolio		\$ 1,927,830,277	100.0%	100.0%	---	\$ -	\$ -	\$ 1,927,830,277	100.0%	100.0%	---

PAYROLL CONTRIBUTION

Overview

- Invest \$116 million from City's advance payroll contribution, in order to leave approximately \$8 million in cash in concert with Staff guidance
- Deploy majority of capital to global public equities, to account for the current 10% underweight to private equity
 - \$40mm to NT S&P 500 Index Fund
 - \$50mm to NT EAFE Index Fund
- Bring passive core bond portfolio (NT) back up to its implied policy target to serve as diversifier against heightened equity market volatility ¹
 - \$26mm to NT Aggregate Bond Index
- Utilizing passive index funds for this capital helps avoid disrupting active managers or adding to potentially concentrated positions
- These transactions will have the additional impact on portfolio exposures
 - Slight reduction in U.S. small cap
 - Slight reduction in emerging markets

¹ Individual manager targets implied in Summit's October 2018 Report to the Jacksonville Police & Fire Pension Fund ("Asset Allocation Compliance", page8).

PAYROLL CONTRIBUTION

Deployment – Averaging Approach

- To limit the Plan’s exposure to market risk during a period of heightened volatility, Wilshire recommends a dollar cost averaging approach in putting this capital to work
- Equal dollar size investments made over each of the next three months (beginning January 2019) will help smooth the Plan’s entry into the market
 - January 2019: \$38.67 million
 - February 2019: \$38.67 million
 - March 2019: \$38.67 million
 - Cumulative total deployed 1Q19: \$116 million
 - » Avoids end of year thinly traded markets