



Monthly Investment Performance Analysis

City of Jacksonville Employees' Retirement System

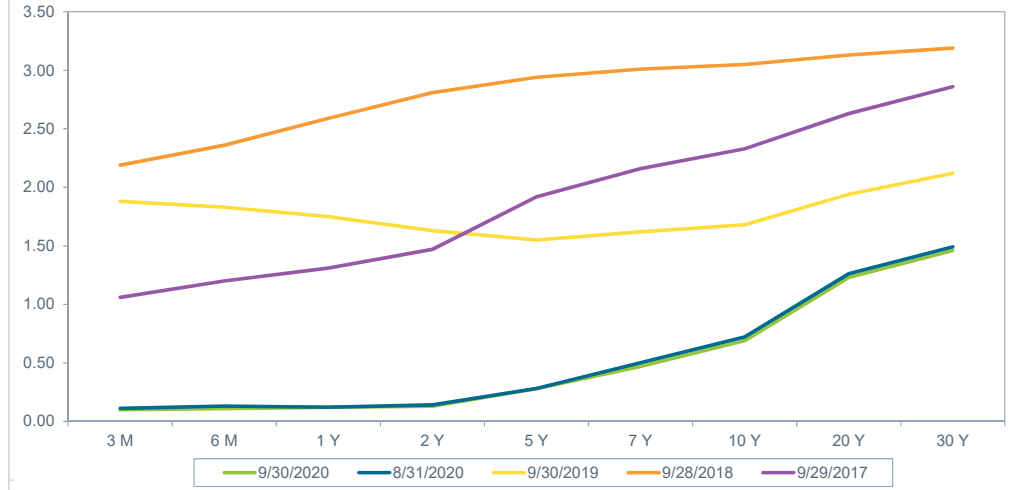
Period Ended: September 30, 2020



General Market Commentary

- Global equity markets pulled back in September following a strong July and August. All major indices finished in negative territory, with drawdowns in the low to mid-single digit returns. In a reversal of recent trends, technology stocks led the market decline, trading lower off recent all-time highs at the end of August.
- A contributor to the poor equity market performance was the uptick in US and global COVID-19 cases. Investor's optimism of a viable vaccine was outweighed by the resurgence of the virus, as several countries implemented stricter lockdown measures in an attempt to limit the spread of COVID-19.
- Despite underwhelming unemployment figures, there is uncertainty if Congress and the Trump administration can reach a compromise on an additional COVID-19 stimulus package prior to the November election.
- Equity markets posted negative returns in September as the S&P 500 (Cap Wtd) Index returned -3.80% and the MSCI EAFE (Net) Index returned -2.60%. Emerging markets returned -1.60% as measured by the MSCI EM (Net) Index.
- The Bloomberg US Aggregate Bond Index returned -0.05% in September, underperforming the 0.07% return by the Bloomberg US Treasury Intermediate Term Index. International fixed income markets returned -0.42%, as measured by the FTSE Non-US World Gov't Bond Index.
- Public real estate, as measured by the FTSE NAREIT Eq REITs Index (TR), returned -3.26% in September and 3.95% over the trailing five-year period.
- The Cambridge US Private Equity Index returned -2.32% for the trailing one-year period and 9.20% for the trailing five-year period ending March 2020.
- Absolute return strategies, as measured by the HFRI FOF Comp Index, returned -0.34% for the month and 5.59% over the trailing one-year period.
- Crude oil's price fell by 5.61% during the month, and has decreased by 25.61% YoY.

Treasury Yield Curve (%)



Economic Indicators	Sep-20	Aug-20	Sep-19	10 Yr	20 Yr
Federal Funds Rate (%)	0.09	0.09	1.90	0.63	1.57
Breakeven Inflation - 5 Year (%)	1.49	1.70	1.35	1.72	1.82
Breakeven Inflation - 10 Year (%)	1.63	1.80	1.52	1.95	2.01
Breakeven Inflation - 30 Year (%)	1.77	1.84	1.59	2.07	2.24
Bloomberg US Agg Bond Index - Yield (%)	1.18	1.15	2.26	2.39	3.58
Bloomberg US Agg Bond Index - OAS (%)	0.60	0.57	0.46	0.53	0.63
Bloomberg US Agg Credit Index - OAS (%)	1.28	1.22	1.09	1.31	1.46
Bloomberg US Corp: HY Index - OAS (%)	5.17	4.77	3.73	4.76	5.47
Capacity Utilization (%)	71.54	71.98	77.43	76.57	76.70
Unemployment Rate (%)	7.9	8.4	3.5	6.2	6.0
PMI - Manufacturing (%)	55.4	56.0	48.2	53.8	52.5
Baltic Dry Index - Shipping	1,725	1,488	1,823	1,134	2,303
Consumer Conf (Conf Board)	101.80	86.30	126.30	95.00	91.16
CPI YoY (Headline) (%)	1.4	1.3	1.7	1.7	2.1
CPI YoY (Core) (%)	1.7	1.7	2.4	1.9	2.0
PPI YoY (%)	-1.2	-1.5	-0.1	1.4	2.1
M2 YoY (%)	24.2	23.3	5.6	7.0	6.6
US Dollar Total Weighted Index	117.35	116.14	117.99	104.28	103.23
WTI Crude Oil per Barrel (\$)	40	43	54	70	62
Gold Spot per Oz (\$)	1,886	1,968	1,472	1,390	989

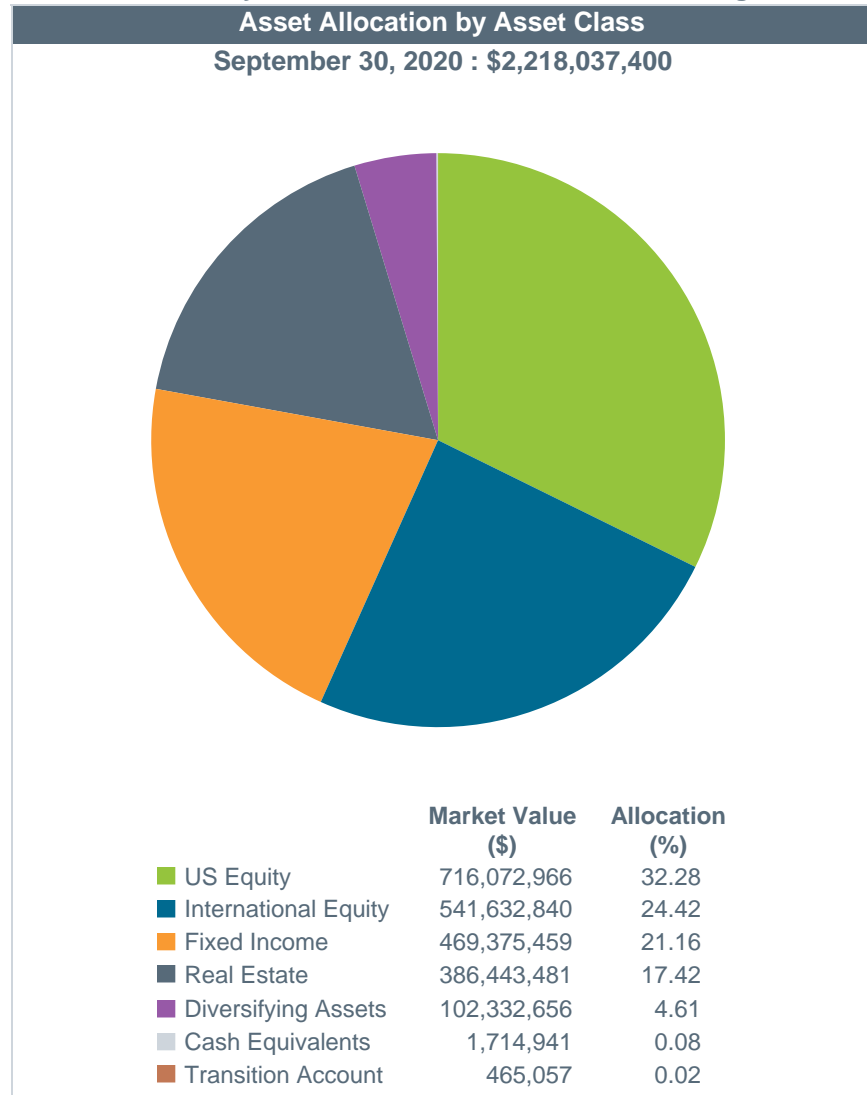
Treasury Yield Curve (%)	Sep-20	Aug-20	Sep-19	Sep-18	Sep-17
3 Month	0.10	0.11	1.88	2.19	1.06
6 Month	0.11	0.13	1.83	2.36	1.20
1 Year	0.12	0.12	1.75	2.59	1.31
2 Year	0.13	0.14	1.63	2.81	1.47
5 Year	0.28	0.28	1.55	2.94	1.92
7 Year	0.47	0.50	1.62	3.01	2.16
10 Year	0.69	0.72	1.68	3.05	2.33
20 Year	1.23	1.26	1.94	3.13	2.63
30 Year	1.46	1.49	2.12	3.19	2.86

Market Performance (%)	MTD	QTD	CYTD	1 Yr	3 Yr	5 Yr	7 Yr	10 Yr
S&P 500 (Cap Wtd)	-3.80	8.93	5.57	15.15	12.28	14.15	12.68	13.74
Russell 2000	-3.34	4.93	-8.69	0.39	1.77	8.00	6.42	9.85
MSCI EAFE (Net)	-2.60	4.80	-7.09	0.49	0.62	5.26	3.01	4.62
MSCI EAFE SC (Net)	-0.74	10.25	-4.20	6.84	1.40	7.37	5.70	7.33
MSCI EM (Net)	-1.60	9.56	-1.16	10.54	2.42	8.97	3.74	2.51
Bloomberg US Agg Bond	-0.05	0.62	6.79	6.98	5.24	4.18	3.97	3.64
ICE BofAML 3 Mo US T-Bill	0.01	0.04	0.64	1.10	1.69	1.20	0.86	0.64
NCREIF ODCE (Gross)	0.48	0.48	-0.12	1.39	5.18	6.64	8.60	10.27
FTSE NAREIT Eq REITs Index (TR)	-3.26	1.44	-17.54	-18.16	0.20	3.95	6.05	7.90
HFRI FOF Comp Index	-0.34	4.13	2.44	5.59	2.84	3.06	3.05	2.87
Bloomberg Cmtly Index (TR)	-3.35	9.07	-12.08	-8.20	-4.18	-3.09	-7.24	-6.03

NCREIF performance is reported quarterly; MTD and QTD returns are shown as "N/A" on interim-quarter months and until available. Data shown is as of most recent quarter-end. Treasury data courtesy of the US Department of the Treasury. Economic data courtesy of Bloomberg Professional Service.

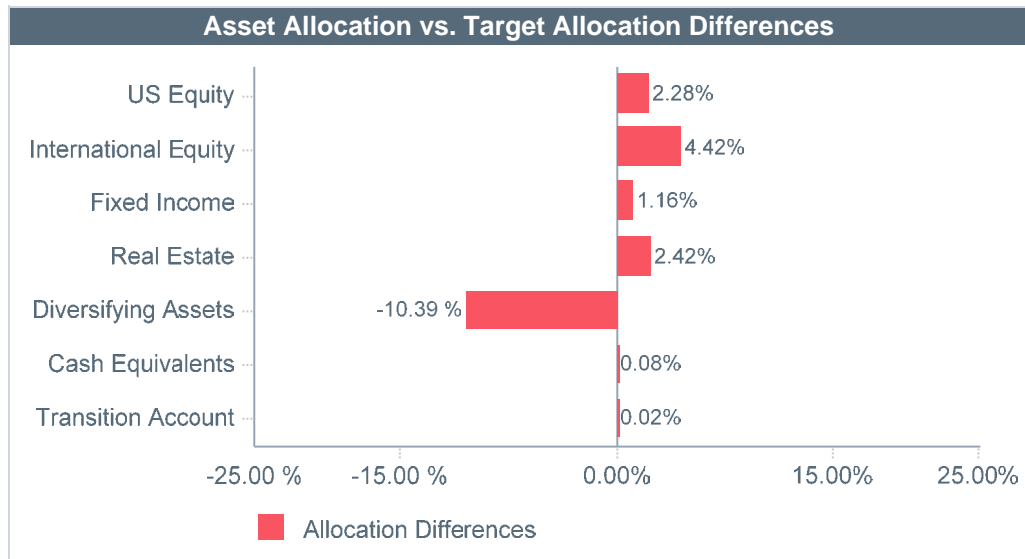


Asset Allocation by Asset Class, Asset Allocation vs. Target, and Schedule of Investable Assets



Asset Allocation vs. Target Allocation

	Market Value (\$)	Allocation (%)	Min (%)	Target (%)	Max (%)
Total Fund	2,218,037,400	100.00	-	100.00	-
US Equity	716,072,966	32.28	20.00	30.00	40.00
International Equity	541,632,840	24.42	10.00	20.00	25.00
Fixed Income	469,375,459	21.16	10.00	20.00	30.00
Real Estate	386,443,481	17.42	0.00	15.00	20.00
Diversifying Assets	102,332,656	4.61	0.00	15.00	20.00
Cash Equivalents	1,714,941	0.08	0.00	0.00	10.00
Transition Account	465,057	0.02	0.00	0.00	0.00



Schedule of Investable Assets

Periods Ending	Beginning Market Value (\$)	Net Cash Flow (\$)	Gain/Loss (\$)	Ending Market Value (\$)	% Return	Unit Value
CYTD	2,342,377,799	-123,306,265	-1,034,134	2,218,037,400	-0.08	99.92

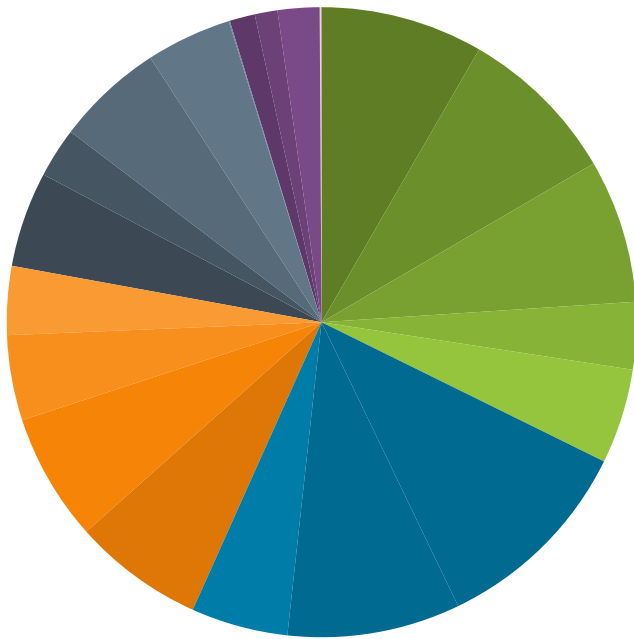
Market values and performance shown are preliminary and subject to change. Performance shown is net of fees. Allocations shown may not sum up to 100% exactly due to rounding.



City of Jacksonville Employees' Retirement System
Asset Allocation By Manager

As of September 30, 2020

September 30, 2020 : \$2,218,037,400



	Market Value (\$)	Allocation (%)
Eagle Capital Large Cap Value (SA)	185,111,920	8.35
Mellon Large Cap Core Index (CF)	183,140,847	8.26
Loomis Sayles Large Cap Growth (CF)	163,287,348	7.36
William Blair Small Cap Value (SA)	76,520,576	3.45
Pinnacle Associates US SMID Cap Growth (SA)	108,012,275	4.87
Silchester International Value (CF)	234,555,828	10.57
Baillie Gifford International Growth (BGEFX)	196,741,735	8.87
Acadian Emerging Markets (CF)	110,335,277	4.97
Richmond Capital Core (SA)	149,027,503	6.72
BMO Intermediate Fixed Income (SA)	145,286,350	6.55
Franklin Templeton Global Multisector Plus (CF)	96,923,169	4.37
Loomis Sayles Multisector Full Discretion (CF)	78,138,437	3.52
Harrison Street Core Property, LP	108,705,962	4.90
PGIM Real Estate PRISA II LP (CF)	56,860,023	2.56
Principal US Property (CF)	122,428,752	5.52
UBS Trumbull Property (CF)	97,445,209	4.39
Vanguard RE Idx;ETF (VNQ)	1,003,535	0.05
Harvest Fund Advisors MLP (SA)	28,940,336	1.30
Tortoise Capital Advisors MLP (SA)	25,858,893	1.17
Hancock Timberland (SA)	47,533,426	2.14
Dreyfus Gvt Csh Mgt;Inst (DGCXX)	1,714,941	0.08
Transition Account	465,057	0.02

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City of Jacksonville Employees' Retirement System
Asset Allocation & Performance (Net of Fees)

As of September 30, 2020

	Allocation		Performance (%)										
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Total Fund	2,218,037,400	100.00	-2.24	4.15	-0.08	6.04	6.04	4.77	7.65	6.73	8.22	6.14	07/01/1999
Current Total Fund Policy Index			-2.82	2.73	-2.04	2.34	2.34	4.39	6.94	6.27	7.66	5.59	
Difference			0.58	1.42	1.96	3.70	3.70	0.38	0.71	0.46	0.56	0.55	
Legacy Total Fund Policy Index			-2.59	3.69	-0.42	4.57	4.57	5.34	7.52	6.69	7.95	5.73	
Difference			0.35	0.46	0.34	1.47	1.47	-0.57	0.13	0.04	0.27	0.41	
Total Equity	1,257,705,806	56.70	-3.35	7.37	1.27	11.79	11.79	6.90	10.75	8.79	10.47	6.18	07/01/1999
US Equity	716,072,966	32.28	-4.62	7.00	1.29	11.36	11.36	9.43	11.68	10.57	12.33	6.60	07/01/1999
US Equity Index			-3.64	9.21	5.41	15.00	15.00	11.65	13.69	12.11	13.48	6.75	
Difference			-0.98	-2.21	-4.12	-3.64	-3.64	-2.22	-2.01	-1.54	-1.15	-0.15	
International Equity	541,632,840	24.42	-1.48	7.89	1.20	12.37	12.37	2.96	9.17	5.58	6.90	5.89	07/01/1999
International Equity Index			-2.46	6.25	-5.44	3.00	3.00	1.16	6.23	3.18	4.09	3.71	
Difference			0.98	1.64	6.64	9.37	9.37	1.80	2.94	2.40	2.81	2.18	
Fixed Income	469,375,459	21.16	-0.07	0.77	4.10	4.98	4.98	3.34	3.87	3.22	3.71	5.28	07/01/1999
Fixed Income Index			-0.18	0.99	6.20	6.68	6.68	5.13	4.11	3.92	3.60	5.06	
Difference			0.11	-0.22	-2.10	-1.70	-1.70	-1.79	-0.24	-0.70	0.11	0.22	
Real Estate	386,443,481	17.42	0.12	0.27	-0.52	0.72	0.72	4.57	5.81	7.43	8.17	5.41	12/01/2005
NCREIF ODCE Index (AWA) (Net)			0.27	0.27	-0.75	0.52	0.52	4.25	5.69	7.62	9.26	5.78	
Difference			-0.15	0.00	0.23	0.20	0.20	0.32	0.12	-0.19	-1.09	-0.37	
Diversifying Assets	102,332,656	4.61	-5.92	-4.91	-24.56	-24.85	-24.85	-8.98	-3.29	-2.37	N/A	2.34	03/01/2011
Diversifying Assets Index			-8.29	-9.65	-28.30	-29.71	-29.71	-10.10	-4.69	-3.52	0.51	-0.22	
Difference			2.37	4.74	3.74	4.86	4.86	1.12	1.40	1.15	N/A	2.56	

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City of Jacksonville Employees' Retirement System
Asset Allocation & Performance (Net of Fees)

As of September 30, 2020

	Allocation		Performance (%)										
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
US Equity													
Eagle Capital Large Cap Value (SA)	185,111,920	8.35	-4.87	6.49	-4.48	5.39	5.39	8.52	11.59	10.78	13.01	9.68	02/01/2007
Russell 1000 Val Index			-2.46	5.59	-11.58	-5.03	-5.03	2.63	7.66	7.35	9.95	5.24	
Difference			-2.41	0.90	7.10	10.42	10.42	5.89	3.93	3.43	3.06	4.44	
Mellon Large Cap Core Index (CF)	183,140,847	8.26	-3.66	9.44	6.33	15.94	15.94	N/A	N/A	N/A	N/A	12.26	05/01/2019
Russell 1000 Index			-3.65	9.47	6.40	16.01	16.01	12.38	14.09	12.54	13.76	12.32	
Difference			-0.01	-0.03	-0.07	-0.07	-0.07	N/A	N/A	N/A	N/A	-0.06	
Loomis Sayles Large Cap Growth (CF)	163,287,348	7.36	-4.35	10.68	21.75	33.73	33.73	18.68	N/A	N/A	N/A	19.15	08/01/2017
Russell 1000 Grth Index			-4.71	13.22	24.33	37.53	37.53	21.67	20.10	17.39	17.25	21.61	
Difference			0.36	-2.54	-2.58	-3.80	-3.80	-2.99	N/A	N/A	N/A	-2.46	
William Blair Small Cap Value (SA)	76,520,576	3.45	-5.19	0.45	-25.72	-22.03	-22.03	-8.11	1.26	N/A	N/A	0.14	11/01/2014
Russell 2000 Val Index			-4.65	2.56	-21.54	-14.88	-14.88	-5.13	4.11	3.27	7.09	2.01	
Difference			-0.54	-2.11	-4.18	-7.15	-7.15	-2.98	-2.85	N/A	N/A	-1.87	
Pinnacle Associates US SMID Cap Growth (SA)	108,012,275	4.87	-3.70	4.29	-0.35	15.86	15.86	8.20	12.51	9.73	12.60	13.10	03/01/2010
Russell 2500 Grth Index			-0.77	9.37	11.58	23.37	23.37	13.36	14.19	11.69	14.06	14.29	
Difference			-2.93	-5.08	-11.93	-7.51	-7.51	-5.16	-1.68	-1.96	-1.46	-1.19	
International Equity													
Silchester International Value (CF)	234,555,828	10.57	-2.70	3.22	-13.54	-5.66	-5.66	-2.77	4.26	3.33	6.25	7.88	06/01/2009
MSCI EAFE Val Index (USD) (Net)			-4.59	1.19	-18.31	-11.93	-11.93	-5.86	1.14	-0.33	2.10	3.41	
Difference			1.89	2.03	4.77	6.27	6.27	3.09	3.12	3.66	4.15	4.47	
Baillie Gifford International Growth (BGEFX)	196,741,735	8.87	-0.61	14.77	34.97	53.98	53.98	16.49	19.49	12.03	11.61	13.26	06/01/2009
Baillie Gifford Index			-0.88	10.16	7.27	17.54	17.54	7.28	9.35	6.30	7.07	8.43	
Difference			0.27	4.61	27.70	36.44	36.44	9.21	10.14	5.73	4.54	4.83	
Baillie Gifford Spliced Index			-2.46	6.25	-5.44	3.36	3.36	1.56	5.85	3.42	4.91	6.22	
Difference			1.85	8.52	40.41	50.62	50.62	14.93	13.64	8.61	6.70	7.04	
Acadian Emerging Markets (CF)	110,335,277	4.97	-0.50	6.89	-5.75	5.40	5.40	-1.55	6.81	2.21	N/A	1.96	02/01/2011
MSCI Emg Mkts Index (USD) (Net)			-1.60	9.56	-1.16	10.54	10.54	2.42	8.97	3.74	2.51	2.13	
Difference			1.10	-2.67	-4.59	-5.14	-5.14	-3.97	-2.16	-1.53	N/A	-0.17	

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City of Jacksonville Employees' Retirement System
Asset Allocation & Performance (Net of Fees)

As of September 30, 2020

	Allocation		Performance (%)										
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Fixed Income													
Richmond Capital Core (SA)	149,027,503	6.72	-0.02	0.73	6.97	7.38	7.38	5.33	4.29	4.18	3.93	5.38	06/01/1999
Richmond Capital Index			-0.05	0.62	6.79	6.98	6.98	5.24	4.18	3.97	3.62	5.07	
Difference			0.03	0.11	0.18	0.40	0.40	0.09	0.11	0.21	0.31	0.31	
BMO Intermediate Fixed Income (SA)	145,286,350	6.55	-0.03	1.02	5.61	6.46	6.46	4.42	3.95	3.48	3.63	5.03	06/01/1999
ICE BofAML US Corp & Gov't 1-10 Yr Index			0.00	0.67	5.78	6.22	6.22	4.43	3.42	3.17	2.97	4.53	
Difference			-0.03	0.35	-0.17	0.24	0.24	-0.01	0.53	0.31	0.66	0.50	
Franklin Templeton Global Multisector Plus (CF)	96,923,169	4.37	-0.08	-0.95	-5.93	-4.42	-4.42	-2.81	1.05	0.11	2.15	5.26	09/01/2007
Frank. Temp. Global Multisector Index			-0.43	2.71	5.31	5.99	5.99	4.00	4.09	2.57	2.50	3.83	
Difference			0.35	-3.66	-11.24	-10.41	-10.41	-6.81	-3.04	-2.46	-0.35	1.43	
Loomis Sayles Multisector Full Discretion (CF)	78,138,437	3.52	-0.23	2.60	10.08	10.93	10.93	6.52	7.10	5.96	6.58	6.96	10/01/2007
Bloomberg Gbl Agg Bond Index			-0.36	2.66	5.72	6.24	6.24	4.10	3.93	2.48	2.36	3.49	
Difference			0.13	-0.06	4.36	4.69	4.69	2.42	3.17	3.48	4.22	3.47	
Real Estate													
Harrison Street Core Property, LP	108,705,962	4.90	1.13	1.13	2.80	5.07	5.07	7.33	N/A	N/A	N/A	7.47	11/01/2015
NCREIF ODCE Index (AWA) (Net)			0.27	0.27	-0.75	0.52	0.52	4.25	5.69	7.62	9.26	5.79	
Difference			0.86	0.86	3.55	4.55	4.55	3.08	N/A	N/A	N/A	1.68	
PGIM Real Estate PRISA II LP (CF)	56,860,023	2.56	0.14	0.14	-1.56	0.27	0.27	5.50	6.43	N/A	N/A	7.62	01/01/2015
NCREIF ODCE Index (AWA) (Net)			0.27	0.27	-0.75	0.52	0.52	4.25	5.69	7.62	9.26	6.77	
Difference			-0.13	-0.13	-0.81	-0.25	-0.25	1.25	0.74	N/A	N/A	0.85	
Principal US Property (CF)	122,428,752	5.52	-0.37	0.08	-0.94	0.37	0.37	5.04	6.69	N/A	N/A	8.44	01/01/2014
NCREIF ODCE Index (AWA) (Net)			0.27	0.27	-0.75	0.52	0.52	4.25	5.69	7.62	9.26	7.45	
Difference			-0.64	-0.19	-0.19	-0.15	-0.15	0.79	1.00	N/A	N/A	0.99	
UBS Trumbull Property (CF)	97,445,209	4.39	-0.37	-0.37	-2.76	-2.91	-2.91	0.76	2.81	5.02	6.65	4.70	12/01/2005
NCREIF ODCE Index (AWA) (Net)			0.27	0.27	-0.75	0.52	0.52	4.25	5.69	7.62	9.26	5.78	
Difference			-0.64	-0.64	-2.01	-3.43	-3.43	-3.49	-2.88	-2.60	-2.61	-1.08	
Vanguard RE Idx;ETF (VNQ)	1,003,535	0.05	-2.69	1.29	-12.70	-12.23	-12.23	2.33	5.10	6.68	8.10	12.00	12/01/2008
Custom REITs Index			-2.63	1.35	-12.66	-12.10	-12.10	2.94	5.62	7.22	8.74	12.85	
Difference			-0.06	-0.06	-0.04	-0.13	-0.13	-0.61	-0.52	-0.54	-0.64	-0.85	

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City of Jacksonville Employees' Retirement System
 Asset Allocation & Performance (Net of Fees)

As of September 30, 2020

	Allocation		Performance (%)										
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Incep.	Inception Date
Diversifying Assets													
Harvest Fund Advisors MLP (SA)	28,940,336	1.30	-10.66	-9.69	-38.96	-39.65	-39.65	-16.08	-8.49	-7.43	N/A	-0.40	03/01/2011
S&P MLP Index (TR)			-12.38	-14.31	-44.87	-46.57	-46.57	-18.92	-10.50	-10.61	-3.10	-4.74	
Difference			1.72	4.62	5.91	6.92	6.92	2.84	2.01	3.18	N/A	4.34	
Tortoise Capital Advisors MLP (SA)	25,858,893	1.17	-10.35	-14.08	-43.58	-44.46	-44.46	-19.33	-9.72	-8.59	N/A	-2.29	03/01/2011
Tortoise Spliced Index			-10.50	-10.92	-42.68	-44.46	-44.46	-17.86	-9.80	-10.12	-2.72	-4.35	
Difference			0.15	-3.16	-0.90	0.00	0.00	-1.47	0.08	1.53	N/A	2.06	
Hancock Timberland (SA)	47,533,426	2.14	0.00	4.29	6.11	7.56	7.56	5.26	6.03	6.43	6.45	3.71	10/01/2006
NCREIF Timberland Index			0.00	0.00	0.19	0.15	0.15	2.07	2.55	4.58	4.40	5.21	
Difference			0.00	4.29	5.92	7.41	7.41	3.19	3.48	1.85	2.05	-1.50	
Dreyfus Gvt Csh Mgt;Inst (DGCXX)	1,714,941	0.08	0.00	0.01	0.36	0.77	0.77	1.59	1.15	0.85	0.61	1.39	04/01/2001
FTSE 3 Mo T-Bill Index			0.01	0.03	0.56	1.02	1.02	1.65	1.16	0.83	0.60	1.39	
Difference			-0.01	-0.02	-0.20	-0.25	-0.25	-0.06	-0.01	0.02	0.01	0.00	

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Performance Related Comments:

- Performance is annualized for periods greater than one year.
- Performance and market values shown are preliminary and subject to change.
- The inception date shown indicates the first full month of performance following initial funding.
- The market value shown for the Transition Account includes residual assets from terminated managers.
- RVK began monitoring the assets of the City of Jacksonville Retirement System on 01/01/2019. Prior historical data was provided by the custodian and previous consultant.
- Franklin Templeton Global Multisector Plus (CF) performance prior to 03/2016 is represented by Templeton Global Total Return (SICAV).
- In January 2018, Taplin Canida & Habacht Intermediate Duration (SA) was renamed to BMO Intermediate Fixed Income (SA) as part of a rebranding initiative.

Custom Composite Benchmark Comments:

- **Current Total Fund Policy Index:** The passive Current Total Fund Policy Index is calculated monthly and currently consists of 30% Russell 3000 Index, 20% MSCI ACW Ex US Index (USD) (Net), 20% Fixed Income Index, 15% NCREIF ODCE Index (AWA) (Net), and 15% Diversifying Assets Index. Prior to 11/01/2017, the Current Total Fund Policy Index consists of the Legacy Total Fund Policy Index.
- **Legacy Total Fund Policy Index:** The passive Legacy Total Fund Policy Index is calculated monthly and currently consists of 35% Russell 3000 Index, 20% MSCI ACW Ex US Index (USD) (Net), 19% Fixed Income Index, 15% NCREIF ODCE Index (AWA) (Net), 10% Diversifying Assets Index, and 1% FTSE 3 Mo US T-Bill Index.
- **US Equity Index:** The passive US Equity Index consists of 100% DJ US TSM Index through 06/2009 and 100% Russell 3000 Index thereafter.
- **International Equity Index:** The passive International Equity Index consists of 100% MSCI EAFE Index (USD) (Gross) through 01/2011 and 100% MSCI ACW Ex US Index (USD) (Net) thereafter.
- **Fixed Income Index:** The passive Fixed Income Index consists of 100% Bloomberg US Agg Bond Index through 10/2017 and 100% Bloomberg US Universal Bond Index thereafter.
- **Diversifying Assets Index:** The passive Diversifying Assets Index is calculated monthly and consists of 50% S&P MLP Index (TR)/50% NCREIF Timberland Index through 10/2017 and 67% S&P MLP Index (TR)/33% NCREIF Timberland Index thereafter.

Custom Manager Benchmark Comments:

- **Baillie Gifford Index:** The passive Baillie Gifford Index consists of 100% MSCI EAFE Grth Index (USD) (Net) through 10/2017 and 100% MSCI ACW Ex US Grth Index (USD) (Net) thereafter.
- **Baillie Gifford Spliced Index:** The passive Baillie Gifford Spliced Index consists of 100% MSCI EAFE Index (USD) (Net) through 11/2019 and 100% MSCI ACW Ex US Index (USD) (Net) thereafter.
- **Richmond Capital Index:** The passive Richmond Capital Index consists of 100% ICE BofAML US Domestic Master Index through 06/2011 and 100% Bloomberg US Agg Bond Index thereafter.
- **Frank. Temp. Global Multisector Index:** The passive Frank. Temp. Global Multisector Index consists of 100% ICE BofAML Gbl Hi Yld Index through 12/2009 and 100% Bloomberg Multiverse Index thereafter.
- **Custom REITs Index:** The passive Custom REITs Index consists of 100% MSCI US REIT Index (USD) (Gross) through 01/2019 and 100% Vanguard Spl Real Estate Index thereafter.
- **Vanguard Spliced Real Estate Index:** The Vanguard Spl Real Estate Index consists of MSCI US REIT Index (USD) (Gross) adjusted to include a 2% cash position (Lipper Money Market Average) through 04/30/2009, MSCI US REIT Index (USD) (Gross) through 01/31/2018, MSCI US IM Real Estate 25/50 Transition Index through 07/24/2018, and MSCI US IM Real Estate 25/50 Index (Gross) thereafter.
- **Tortoise Spliced Index:** The passive Tortoise Spliced Index consists of 100% S&P MLP Index (TR) through 07/2020 and 100% Alerian Midstream Energy Index thereafter.

PORTLAND

BOISE

CHICAGO

NEW YORK

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