



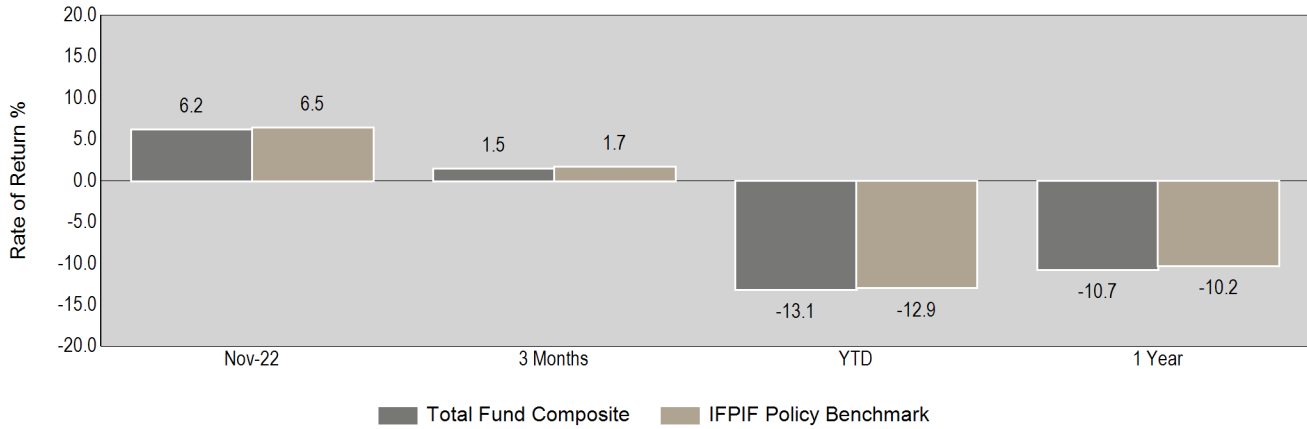
Illinois Firefighters' Pension Investment Fund

Monthly Summary

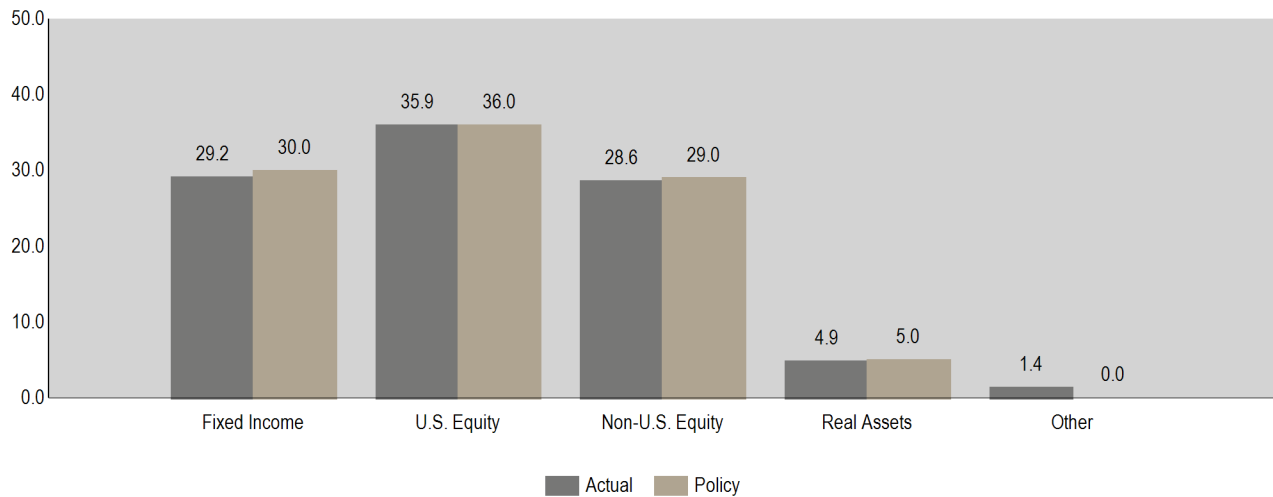
November 30, 2022

* Preliminary, subject to change

Return Summary
Ending November 30, 2022



Actual vs Target Allocation (%)



Return Summary - 1 Month

	Total Return
Total Fund Composite	6.2%
IFPIF Policy Benchmark	6.5%
Total Fund Composite excl. Member Funds	6.2%
IFPIF Policy Benchmark	6.5%
U.S. Equity Composite	5.3%
Russell 3000	5.2%
Non-U.S. Equity Composite	11.9%
MSCI ACWI ex USA IMI	11.5%
Total Fixed Income Composite	3.4%
Bloomberg US Universal TR	3.7%
Total Real Estate Composite	-0.4%
Real Estate Custom Benchmark	2.3%

Total Fund Composite

Asset Allocation

Market Value: \$7,405.1 Million and 100.0% of Fund

Ending November 30, 2022

	Asset Class	Market Value	% of Portfolio	Policy %
Total Fund Composite		\$7,405,066,296	100.0%	100.0%
Total Fund Composite excl. Member Funds		\$7,405,066,296	100.0%	100.0%
Total Equity Composite		\$4,781,342,375	64.6%	65.0%
U.S. Equity Composite		\$2,661,369,353	35.9%	36.0%
Rhumblin Russell 200	Large-Cap Core	\$1,836,782,586	24.8%	25.0%
Rhumblin Russell Midcap	Mid-Cap Core	\$677,029,535	9.1%	9.0%
Rhumblin S&P 600	Small-Cap Core	\$147,557,233	2.0%	2.0%
Non-U.S. Equity Composite		\$2,119,973,022	28.6%	29.0%
International Developed Equity Composite		\$1,397,077,965	18.9%	19.0%
SSGA World ex US	Non-U.S. Large-Cap Core	\$1,186,492,656	16.0%	16.0%
SSGA World ex US Small	Non-U.S. Small-Cap Core	\$210,585,309	2.8%	3.0%
Emerging Markets Equity Composite		\$722,895,057	9.8%	10.0%
SSGA MSCI EM	Emerging Markets	\$580,284,302	7.8%	8.0%
SSGA EM Small	EM Small-Cap	\$142,610,755	1.9%	2.0%
Total Fixed Income Composite		\$2,159,162,727	29.2%	30.0%
Rate Sensitive Composite		\$1,938,352,885	26.2%	27.0%
Treasury Inflation Protected Securities Composite		\$217,678,075	2.9%	3.0%
SSGA TIPS	TIPS	\$217,678,075	2.9%	3.0%
Core Fixed Income Composite		\$1,720,674,809	23.2%	24.0%
SSGA Intermediate Credit	Int. Fixed Income	\$657,312,011	8.9%	9.0%
SSGA Intermediate Treasury	Int. Fixed Income	\$436,484,224	5.9%	6.0%
SSGA Securitized	MBS Fixed Income	\$425,506,277	5.7%	6.0%
SSGA Long Treasury	Long-Term Fixed Income	\$201,372,298	2.7%	3.0%
Credit Fixed Income Composite		\$220,809,842	3.0%	3.0%
Emerging Markets Debt Composite		\$220,809,842	3.0%	3.0%
SSGA EM Global Diversified	EM Fixed Income	\$220,809,842	3.0%	3.0%
Total Real Estate Composite		\$359,268,438	4.9%	5.0%
Core Real Estate Composite		\$359,268,438	4.9%	5.0%
Public Real Estate Composite		\$110,665,783	1.5%	2.0%
SSGA FTSE NAREIT	U.S. REIT	\$110,665,783	1.5%	2.0%
Private Real Estate Composite		\$248,602,656	3.4%	3.0%
Principal USPA Fund	Core Real Estate	\$248,602,656	3.4%	3.0%
Cash Composite		\$102,321,777	1.4%	0.0%
Transition Composite		\$2,970,978	0.0%	0.0%
Member Funds Composite		--	--	0.0%

Investment Manager

Annualized Performance (Net of Fees)

Market Value: \$7,405.1 Million and 100.0% of Fund

Ending November 30, 2022

	1 Mo	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Total Fund Composite	6.2	1.5	-13.1	-10.7	--	--	--	-8.3	Oct-21
<i>IFPIF Policy Benchmark</i>	6.5	1.7	-12.9	-10.2	4.6	5.1	7.0	-7.8	Oct-21
Total Fund Composite excl. Member Funds	6.2	1.5	-11.8	-9.4	--	--	--	-10.2	Oct-21
<i>IFPIF Policy Benchmark</i>	6.5	1.7	-12.9	-10.2	4.6	5.1	7.0	-11.0	Oct-21
Total Equity Composite	8.1	3.4	-14.4	-11.0	--	--	--	-12.6	Oct-21
<i>MSCI ACWI IMI Net USD</i>	7.6	3.2	-15.1	-11.8	6.5	6.1	8.6	-13.1	Oct-21
U.S. Equity Composite	5.3	3.4	-13.9	-10.4	--	--	--	-10.8	Oct-21
<i>Russell 3000</i>	5.2	3.3	-14.2	-10.8	10.3	10.3	12.9	-11.3	Oct-21
Rhumblin Russell 200	5.2	2.8	-14.8	-11.3	--	--	--	-11.0	Oct-21
<i>Russell Top 200</i>	5.2	2.8	-14.7	-11.2	11.2	11.5	13.7	-10.9	Oct-21
Rhumblin Russell Midcap	6.0	4.7	-12.7	-9.2	--	--	--	-11.4	Oct-21
<i>Russell MidCap</i>	6.0	4.7	-12.6	-9.0	8.7	8.5	11.8	-11.3	Oct-21
Rhumblin S&P 600	4.1	5.5	-10.0	-6.0	--	--	--	-7.6	Oct-21
<i>S&P 600 SmallCap</i>	4.2	5.5	-10.1	-6.0	9.3	7.2	12.0	-7.5	Oct-21
Non-U.S. Equity Composite	11.9	3.3	-15.3	-11.9	--	--	--	-14.8	Oct-21
<i>MSCI ACWI ex USA IMI</i>	11.5	3.2	-16.1	-12.6	1.9	1.4	4.4	-15.4	Oct-21
International Developed Equity Composite	10.5	5.3	-14.5	-10.3	--	--	--	-13.7	Oct-21
<i>MSCI World ex USA IMI NR USD</i>	10.5	5.3	-15.0	-10.8	2.3	2.0	5.1	-14.0	Oct-21
SSGA World ex US	10.7	6.0	-13.6	-9.2	--	--	--	-12.5	Oct-21
<i>MSCI World ex USA</i>	10.7	5.9	-13.9	-9.5	2.5	2.3	4.9	-12.7	Oct-21
SSGA World ex US Small	9.6	1.5	-20.7	-17.4	--	--	--	-20.5	Oct-21
<i>MSCI World ex USA Small Cap</i>	9.6	1.5	-21.1	-17.7	1.2	0.9	6.1	-20.8	Oct-21
Emerging Markets Equity Composite	14.7	-0.4	-17.9	-15.8	--	--	--	-17.8	Oct-21
<i>MSCI Emerging Markets IMI</i>	14.1	-1.8	-18.7	-17.0	1.0	-0.1	2.3	-18.8	Oct-21
SSGA MSCI EM	16.1	-0.1	-18.3	-16.5	--	--	--	-18.7	Oct-21
<i>MSCI Emerging Markets</i>	14.8	-1.8	-19.0	-17.4	0.1	-0.4	2.1	-19.4	Oct-21
SSGA EM Small	9.3	-1.6	-17.1	-13.8	--	--	--	-15.1	Oct-21
<i>MSCI Emerging Markets Small Cap</i>	9.4	-1.6	-17.2	-13.7	7.6	2.0	3.8	-15.1	Oct-21
Total Fixed Income Composite	3.4	-1.7	-11.3	-11.4	--	--	--	-10.4	Oct-21
<i>Bloomberg US Universal TR</i>	3.7	-1.8	-12.7	-12.8	-2.4	0.3	1.4	-11.7	Oct-21
Rate Sensitive Composite	3.0	-1.9	-10.7	-10.9	--	--	--	-9.8	Oct-21
<i>Bloomberg US Aggregate TR</i>	3.7	-2.1	-12.6	-12.8	-2.6	0.2	1.1	-11.7	Oct-21
Treasury Inflation Protected Securities Composite	0.1	-1.4	-1.9	-1.8	--	--	--	-1.2	Oct-21
<i>Bloomberg 1-3 Year US TIPS</i>	0.1	-1.4	-1.8	-1.6	2.7	2.6	1.3	-1.1	Oct-21
SSGA TIPS	0.1	-1.4	-1.9	-1.8	--	--	--	-1.2	Oct-21
<i>Bloomberg 1-3 Year US TIPS</i>	0.1	-1.4	-1.8	-1.6	2.7	2.6	1.3	-1.1	Oct-21

Investment Manager

Annualized Performance (Net of Fees)

Market Value: \$7,405.1 Million and 100.0% of Fund

Ending November 30, 2022

	1 Mo	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	Inception	Inception Date
Core Fixed Income Composite	3.4	-2.0	-11.8	-12.0	--	--	--	-10.8	Oct-21
<i>Bloomberg US Aggregate TR</i>	3.7	-2.1	-12.6	-12.8	-2.6	0.2	1.1	-11.7	Oct-21
SSGA Intermediate Credit	3.0	-0.7	-9.0	-9.0	--	--	--	-8.4	Oct-21
<i>Bloomberg US Credit Int TR</i>	3.0	-0.7	-9.0	-8.9	-1.1	1.1	1.8	-8.4	Oct-21
SSGA Intermediate Treasury	1.7	-1.2	-7.5	-7.8	--	--	--	-7.0	Oct-21
<i>Bloomberg US Treasury Int TR</i>	1.7	-1.2	-7.5	-7.8	-1.3	0.5	0.7	-7.0	Oct-21
SSGA Securitized	3.9	-2.5	-11.5	-11.6	--	--	--	-10.8	Oct-21
<i>Bloomberg US Securitized MBS ABS CMBS TR</i>	3.9	-2.5	-11.3	-11.4	-2.9	-0.3	0.9	-10.7	Oct-21
SSGA Long Treasury	7.1	-6.9	-28.0	-29.1	--	--	--	-25.4	Oct-21
<i>Bloomberg US Treasury Long TR</i>	7.1	-6.9	-28.0	-29.1	-7.7	-1.5	0.6	-25.4	Oct-21
Credit Fixed Income Composite	7.6	0.9	-17.3	-16.1	--	--	--	-16.5	Oct-21
<i>JP Morgan EMBI Global Diversified</i>	7.6	0.9	-18.1	-16.9	-4.8	-1.2	1.6	-17.1	Oct-21
Emerging Markets Debt Composite	7.6	0.9	-17.3	-16.1	--	--	--	-16.5	Oct-21
<i>JP Morgan EMBI Global Diversified</i>	7.6	0.9	-18.1	-16.9	-4.8	-1.2	1.6	-17.1	Oct-21
SSGA EM Global Diversified	7.6	0.9	-17.3	-16.1	--	--	--	-16.5	Oct-21
<i>JP Morgan EMBI Global Diversified</i>	7.6	0.9	-18.1	-16.9	-4.8	-1.2	1.6	-17.1	Oct-21
Total Real Estate Composite	-0.4	-3.0	-2.5	3.7	--	--	--	4.5	Oct-21
<i>Real Estate Custom Benchmark</i>	2.3	-0.3	-0.8	7.1	8.5	8.4	9.6	6.3	Oct-21
Core Real Estate Composite	-0.4	-3.0	-2.5	3.7	--	--	--	4.5	Oct-21
<i>Real Estate Custom Benchmark</i>	2.3	-0.3	-0.8	7.1	8.5	8.4	9.6	6.3	Oct-21
Public Real Estate Composite	5.8	-2.6	-20.2	-13.2	--	--	--	-12.8	Oct-21
<i>FTSE NAREIT Equity REIT</i>	5.8	-2.6	-20.3	-13.2	1.5	4.7	7.5	-12.8	Oct-21
SSGA FTSE NAREIT	5.8	-2.6	-20.2	-13.2	--	--	--	-12.8	Oct-21
<i>FTSE NAREIT Equity REIT</i>	5.8	-2.6	-20.3	-13.2	1.5	4.7	7.5	-12.8	Oct-21
Private Real Estate Composite	-2.9	-3.1	7.3	9.7	--	--	--	15.3	Oct-21
<i>NFI-ODCE Equal Weighted</i>	0.0	0.8	13.3	21.7	12.1	9.9	10.3	18.3	Oct-21
Principal USPA Fund	-2.9	-3.1	7.3	9.7	--	--	--	15.3	Oct-21
<i>NFI-ODCE Equal Weighted</i>	0.0	0.8	13.3	21.7	12.1	9.9	10.3	18.3	Oct-21

Investment Manager	Fee Schedule
Rhumbline	0.005% on the Balance
SSGA	0.011% on the Balance
Principal USPA Fund	0.75% on the Balance

Benchmark History

Total Fund Composite

10/1/2021	Present	25% Russell Top 200 / 9% Russell MidCap / 2% S&P 600 SmallCap / 16% MSCI World ex USA / 3% MSCI World ex USA Small Cap / 8% MSCI Emerging Markets / 2% MSCI Emerging Markets Small Cap / 3% Bloomberg 1-3 Year US TIPS / 9% Bloomberg US Credit Int TR / 6% Bloomberg US Treasury Int TR / 3% Bloomberg US Treasury Long TR / 6% Bloomberg US Securitized MBS ABS CMBS TR / 3% JP Morgan EMBI Global Diversified / 2% FTSE NAREIT Equity REIT / 3% NFI-ODCE Equal Weighted
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Total Real Estate Composite

10/31/2021	Present	60% NFI-ODCE Equal Weighted / 40% FTSE NAREIT Equity REIT
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Performance Disclosures

Inception Performance

Total Fund Composite, Private Real Estate Composite, and the Principal USPA Fund inception performance are based on an October 1, 2021 start. All other account and composite inception performance is based on an October 31, 2021 start.

NFI-ODCE Equal Weighted

Quarterly valued index. Value of the quarterly return is recognized in the last month of each quarter.

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