

Portfolio Evaluation Ltd Staffordshire Pension Fund Investment Performance Overview Periods to March 31st 2023

Overview of Today



- Market Review
 - Asset class results
 - Themes
 - Market trends and developments
- Evaluation of the Staffordshire Pension Fund results
 - Total Fund results (short and long term)
 - Attribution of 1 and 3 year periods
 - Results focus on periods ended 31st March 2023.



Total Fund Results – Ending March 2023



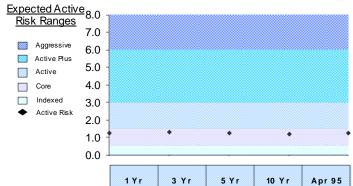


	QTR	Fin YTD	1 Yr	3 Yr	5 Yr	10Yr	Since Apr 95 (p.a.)
Excess Return	-0.6	2.4	2.4	1.8	0.8	0.7	-0.1
Portfolio Return	2.9	-1.9	-1.9	11.8	7.3	8.3	7.8
Benchmark Return	3.5	-4.3	-4.3	10.0	6.4	7.6	7.9

All returns for periods in excess of 1 year are annualised. The portfolio return is gross.

- The Fund outperformed the benchmark over the year.
- The Fund (and benchmark) had a negative return over the year.
- Medium and longer term returns in excess of cash, inflation and probably actuarial required return.
- Positive real returns generated by the Fund over all medium and long term time periods.
- Risk profile consistent with mixed asset class Fund.
- Active risk consistent with some active and passive management asset allocation decisions and benchmark contsituents.
- Volatility higher over short and medium term. Reflects market volatility due to market fall that occurred because of COVID, inflationary impact and subsequent market condition.
- Active risk has remained stable.

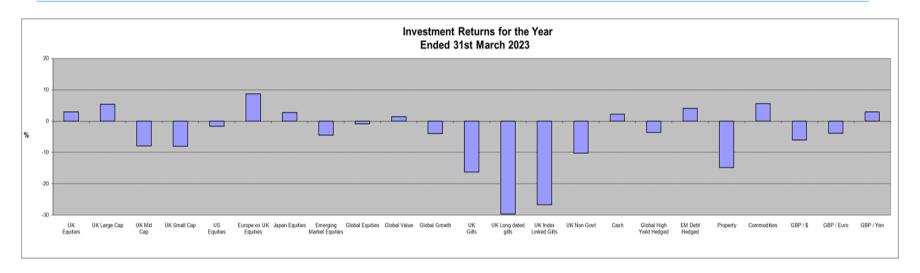
Ex-Post Active Risk Analysis (%)

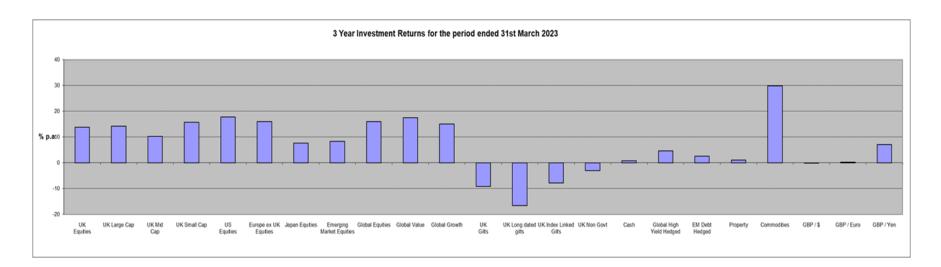


	1 Yr	3 Yr	5 Yr	10 Yr	Apr 95
Active Risk	1.2	1.3	1.2	1.2	1.2
Portfolio Risk	9.9	9.0	9.5	8.0	7.8
Benchmark Risk	10.2	9.0	9.2	7.9	7.6

Market Results – Periods Ended March 31st 2023







Client Trends



- Fund activity;
 - Growth in investments within 'Alternative Asset Classes' including Infrastructure and Private Debt.
 - Investment in ESG strategies
 - A significant number of Funds have redefined their strategies towards Growth assets, Income and Capital protection etc.
 - Clearer recognition of purpose of assets but different placements used by different funds.
 - Often seeing Private Equity move from Alts to Growth.
- Local Government Pension Scheme Pooling
 - Transitions have typically occurred in active strategies including equities and bonds
 - In recent year more SRI / Climate Funds and 'alternative assets' vehicles.

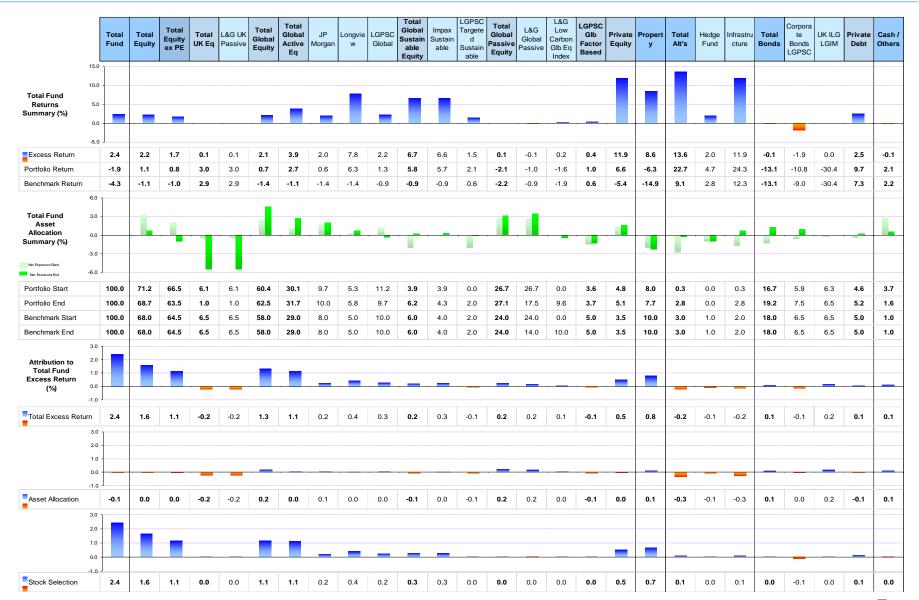
Investment Management Developments at the Fund



- Primary activity has been;
 - Investment in LGPSC Targeted Sustainable Fund from 25th January 2023.
 - Investment into Gresham House BSIF II from 22nd February 2023.
 - Investment into LGPS Central Credit Partnership IV LP.
 - Investment into Brookfield Super-Core Infrastructure Partners,
 - L&G Low Carbon Transition Global Equity Index Fund.
 - Significant reduction in exposure to LGIM UK equity passive vehicle and L&G Global Passive Funds

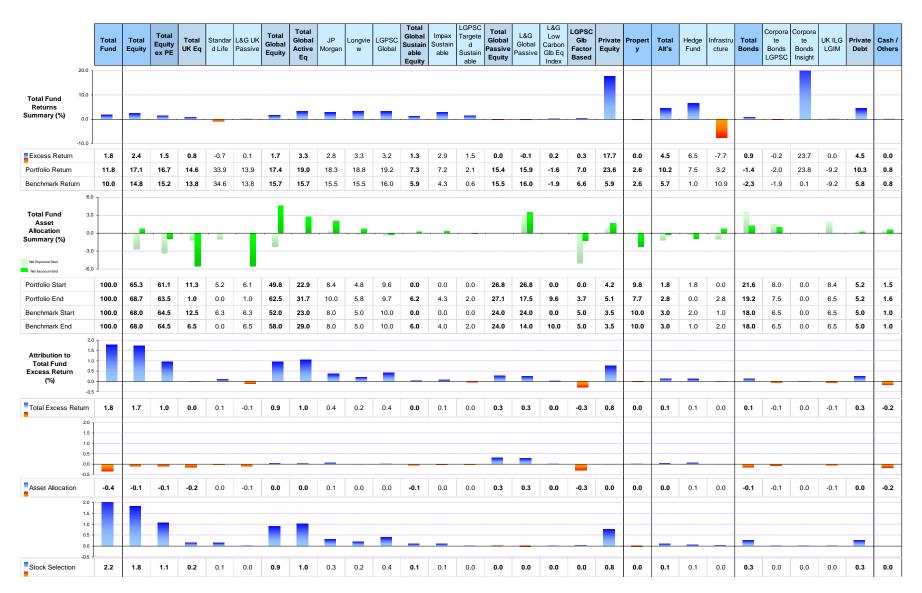
Attribution to Total Fund Excess Return Analysis - Year Ending March 2023





Attribution to Total Fund Excess Return Analysis – 3 Years Ending June 2023





Attribution to Total Fund Excess Return - Periods Ended March 2023



- The Fund has outperformed its benchmark for the year ended March 2023.
- Outperformance from the majority of managers and portfolios.
- The positives impacting the Fund were primarily
 - Private Equity outperformed
 - Equities excluding private equity outperformed
 - Alternatives had a high return
 - All active equity mandates outperformed
 - Property had a high excess return despite having a negative return. due to being underweight and stock selection.
 - Manager / stock selection drove excess return.
- The negative contributors were very few.
 - LGPS Central Corporate Bond Fund underperformed

Attribution to Total Fund Excess Return – 3 Years Ended March 2023



- The Fund has outperformed its benchmark for the 3 years ended March 2023 by
 1.8% per annum (despite all the restructuring)
- Outperformance driven by the contribution to excess return due to;
 - Private Equities
 - All active equity managers outperforming.
 - Private debt outperformed
 - Alternative assets have outperformed but as the investment program is new and therefore the contribution to excess return is small.
- Bonds were a neutral contributor.
- The LGPSC Global Factor Based portfolio outperformed its benchmark but was a negative contributor to the Fund's excess return because its benchmark was lower than the benchmark of the Total Fund.

SCC Returns relative to PEL LGPS Universe Data Periods Ended March 2023



- Please note that the Fund has a higher equity weighting than the average LGPS Fund.
- Above average fund returns consistently
- Returns averages are below;

Return History	SCC & PEI	L LGPSC Ur	niverse
Years	SCC	Average	Weighted
Ended 31/03/23			Average
% p.a.	% p.a.	% p.a.	% p.a.
1	-1.9	-0.8	-0.3
3	11.8	10	10.1
5	7.3	6.2	6.1
10	8.3	7.5	n/a
20	8.9	8.5	n/a
25	6.7	6.5	n/a



Fund and Portfolio Summary - Periods Ending March 2023

						QTR			YTD		1 Year				3 Year			5 Year			10 Year			ince Ince	Incep	
	Benchmark	Incep Date	Market Value (£m)	Market %	PF	вм	ER	PF	вм	ER	PF	вм	ER	PF	вм	ER	PF	ВМ	ER	PF	вм	ER	PF	вм	ER	
Total Return Seeking inc Prv Debt	Multi Asset Class Index	Mar-19	5,604.6	84.5	2.8	3.4	-0.6	1.0	-1.8	2.8	1.0	-1.8	2.8	15.3	12.6	2.7							9.3	7.6	1.7	
Combined Equity Inc Private Equity	Multi Equity Asset Class Index	Mar-19	4,557.6	68.7	3.7	4.1	-0.4	1.1	-1.1	2.2	1.1	-1.1	2.2	17.1	14.8	2.4							9.9	8.5	1.4	
Combined Equity Ex Private Equity	Multi Equity Asset Class Index	Apr-08	4,216.9	63.5	4.6	4.1	0.5	0.8	-1.0	1.7	0.8	-1.0	1.7	16.7	15.2	1.5	9.1	8.9	0.2	9.6	9.6	0.1	8.7	8.9	-0.2	
Total UK Equity	FTSE All Share Index	Apr-15	66.1	1.0	3.1	3.1	0.0	3.0	2.9	0.1	3.0	2.9	0.1	14.6	13.8	0.8	4.9	5.0	-0.1				5.2	5.3	-0.1	
L&G UK Equity Fund	FTSE All Share Index	Dec-15	66.1	1.0	3.1	3.1	0.0	3.0	2.9	0.1	3.0	2.9	0.1	13.9	13.8	0.1	5.1	5.0	0.1				6.8	6.6	0.1	
Total Global Equity	SCC Global Equity	Dec-14	4,150.8	62.5	4.7	4.2	0.4	0.7	-1.4	2.1	0.7	-1.4	2.1	17.4	15.7	1.7	10.2	9.9	0.4				10.8	10.8	0.0	
Total Global Active Equity	SCC Global Active Equity	Mar-19	2,103.7	31.7	5.0	4.4	0.6	2.7	-1.1	3.9	2.7	-1.1	3.9	19.0	15.7	3.3							10.7	9.7	1.0	
JP Morgan Global Equity Fund	MSCI AC World Index Net	Dec-09	662.4	10.0	3.9	4.4	-0.5	0.6	-1.4	2.0	0.6	-1.4	2.0	18.3	15.5	2.8	9.8	9.7	0.1	10.9	10.3	0.6	11.1	10.4	0.7	
Longview Global Equity Fund	MSCI AC World Index Net	Dec-09	382.6	5.8	4.4	4.4	0.0	6.3	-1.4	7.8	6.3	-1.4	7.8	18.8	15.5	3.3	11.4	9.7	1.8	13.6	10.3	3.3	14.2	10.4	3.8	
LGPSC Global Active Equity Fund	FTSE All World Index	Feb-19	645.3	9.7	5.7	4.3	1.3	1.3	-0.9	2.2	1.3	-0.9	2.2	19.2	16.0	3.2							11.1	10.0	1.1	
Total Global Sustainable Equity	SCC Global Sustainable Equity	Apr-21	413.4	6.2	5.8	4.5	1.3	5.8	-0.9	6.7	5.8	-0.9	6.7										7.3	5.9	1.3	
Impax Global Sustainable Equity Fund	MSCI All Country World Index	Apr-21	283.8	4.3	5.7	4.5	1.2	5.7	-0.9	6.6	5.7	-0.9	6.6										7.2	4.3	2.9	
LGPSC Targeted Sustainable Fund	FTSE All World Index	Jan-23	129.6	2.0	2.1	0.6	1.5																2.1	0.6	1.5	
Total Global Passive Equity Fund	SCC Global Passive Equity	Dec-15	1,798.9	27.1	4.7	4.7	0.0	-2.1	-2.2	0.1	-2.1	-2.2	0.1	15.4	15.5	0.0	10.0	10.0	0.0				11.9	11.8	0.1	
L&G Global Equity Fund	FTSE All World Index	Dec-15	1,159.5	17.5	4.3	4.3	0.0	-1.0	-0.9	-0.1	-1.0	-0.9	-0.1	15.9	16.0	-0.1	10.3	10.3	-0.1				12.1	12.1	0.0	
L&G Low Carbon Global Equity Index Fund	Solactive L&G Low Carbon Transition Global Index	Aug-22	639.4	9.6	5.2	5.1	0.1																-1.6	-1.9	0.2	
LGPSC Glb Multi Factor Based Equity	SciBeta GL 6 Fact Equal Weight	Jan-21	248.2	3.7	1.5	1.4	0.2	1.0	0.6	0.4	1.0	0.6	0.4										7.0	6.6	0.3	
Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Oct-14	340.7	5.1	-6.5	2.5	-9.0	6.6	-5.4	11.9	6.6	-5.4	11.9	23.6	5.9	17.7	20.7	3.5	17.3				19.8	2.0	17.8	
Colliers UK Property Fund	MSCI UK Monthly Property Index (GBP)	Oct-94	513.7	7.7	-0.7	0.2	-0.9	-6.3	-14.9	8.6	-6.3	-14.9	8.6	2.6	2.6	0.0	3.0	2.7	0.3	7.9	7.1	0.7	7.5	7.3	0.1	
Combined Alternative Assets	SCC Total Alternatives Index	Jul-11	185.1	2.8	-0.7	1.7	-2.4	22.7	9.1	13.6	22.7	9.1	13.6	10.2	5.7	4.5	7.0	4.3	2.7	7.2	2.6	4.7	7.3	2.2	5.1	
Hedge Fund	SONIA 3 Month	Dec-14	1.8	0.0	0.0	1.0	-1.0	4.7	2.8	2.0	4.7	2.8	2.0	7.5	1.0	6.5	3.4	0.9	2.5				2.5	8.0	1.8	
Infrastructure Fund	UK CPI +3.5%	Feb-21	183.3	2.8	-0.8	2.0	-2.8	24.3	12.3	11.9	24.3	12.3	11.9										3.2	10.9	-7.7	
Total Defensive exc Priv Debt	SCC Def Index ex Priv Debt	Mar-19	1,031.8	15.5	3.1	3.6	-0.5	-17.1	-18.7	1.6	-17.1	-18.7	1.6	-4.1	-5.0	0.9							-3.0	-3.3	0.3	
Total Bonds inc Private Debt	SCC Total Bonds	Mar-19	1,276.9	19.2	2.0	3.4	-1.4	-13.1	-13.1	-0.1	-13.1	-13.1	-0.1	-1.4	-2.3	0.9							-0.7	-1.0	0.3	
Total Bonds Ex Private Debt	SCC Total Bonds ex PD	Dec-14	928.7	14.0	3.6	3.8	-0.2	-21.2	-20.2	-1.0	-21.2	-20.2	-1.0	-5.7	-5.4	-0.2	-2.8	-2.3	-0.5				0.2	0.3	-0.1	
LGPS Central Corporate Bond Fund	LGPSC Client Specific	Mar-20	496.2	7.5	2.4	2.6	-0.2	-10.8	-9.0	-1.9	-10.8	-9.0	-1.9	-2.0	-1.9	-0.2							-0.7	-0.5	-0.2	
L&G UK Index Linked Gilt Fund	FTSE Over 5 Years Index Linked Gilt Index	Feb-10	432.5	6.5	4.9	4.9	0.0	-30.4	-30.4	0.0	-30.4	-30.4	0.0	-9.2	-9.2	0.0	-4.1	-4.1	0.0	1.6	1.6	0.0	4.4	4.4	0.0	
Private Debt Fund	SONIA +5%	Jun-16	348.2	5.2	-2.1	2.2	-4.3	9.7	7.3	2.5	9.7	7.3	2.5	10.3	5.8	4.5	9.5	5.8	3.7	ĺ			8.6	5.7	2.9	
Central Cash Fund	UK Cash	Dec-14	103.0	1.6	8.0	0.9	-0.1	2.1	2.2	-0.1	2.1	2.2	-0.1	0.8	0.8	0.0	0.6	0.7	-0.2				0.5	0.6	-0.1	
Total Fund Net	Multi Asset Class Index	Apr-17	6,636.4	100.0	2.82	3.47	-0.66	-1.96	-4.31	2.35	-1.96	-4.31	2.35	11.70	10.02	1.68	7.14	6.44	0.70				6.44	5.87	0.57	
Total Fund	Multi Asset Class Index	Apr-95	6,636.4	100.0	2.87	3.47	-0.61	-1.94	-4.31	2.38	-1.94	-4.31	2.38	11.79	10.02	1.77	7.26	6.44	0.82	8.29	7.64	0.66	7.82	7.90	-0.08	

PF = Portfolio Return BM = Benchmark Return ER = Excess Return

Fund and Portfolio Summary (alternative assets ex property) - Periods Ending March 2023



						QTR			YTD		1 Year				3 Year		5 Year			10 Year		Since Ir		псер	
	Benchmark	Incep Date	Market Value (£m)	Market %	PF	вм	ER	PF	вм	ER	PF	вм	ER	PF	вм	ER	PF	вм Е	R P	F BM	ER I	PF	вм	ER	
Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Oct-14	340.7	5.1	-6.5	2.5	-9.0	6.6	-5.4	11.9	6.6	-5.4	11.9	23.6	5.9	17.7	20.7	3.5 17	.3		1	9.8	2.0 1	17.8	
LGPS Central Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Sep-19	15.7	0.2	-2.0	2.5	-4.5	3.1	-5.4	8.4	3.1	-5.4	8.4	20.2	5.9	14.3					1	1.4	5.0	6.4	
LGPS Central PE Primary Partnership 2018 LP	MSCI World Index +2.0% (lagged by 1 quarter)	Sep-19	7.8	0.1	-1.7	2.5	-4.2	3.4	-5.4	8.7	3.4	-5.4	8.7	20.3	5.9	14.4					1	1.5	5.0	6.4	
LGPS Central PE Primary Partnership 2021 LP	MSCI World Index +2.0% (lagged by 1 quarter)	Jan-23	0.1	0.0	6.8	2.5	4.3														•	6.8	2.5	4.3	
Lazard Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Apr-17	0.5	0.0	-16.7	2.5	-19.2	-45.7	-5.4	-40.4	-45.7	-5.4	-40.4	-17.3	5.9	-23.2	-9.9	3.5 -13	.4		-	9.5	2.9 -	12.4	
Knightbridge Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Apr-17	35.1	0.5	-15.0	2.5	-17.5	-15.6	-5.4	-10.2	-15.6	-5.4	-10.2	26.5	5.9	20.6	24.5	3.5 21	.0		1	9.6	2.9 1	16.7	
Partners Group Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Apr-17	37.5	0.6	-2.9	2.5	-5.4	0.8	-5.4	6.2	0.8	-5.4	6.2	20.2	5.9	14.3	18.5	3.5 15	.0		1	6.1	2.9 1	13.2	
Capital Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Apr-17	31.5	0.5	2.1	2.5	-0.4	29.5	-5.4	34.9	29.5	-5.4	34.9	16.9	5.9	11.0	15.4	3.5 11	.9		1	5.3	2.9 1	12.3	
Harbourvest Private Equity Fund	MSCI World Index +2.0% (lagged by 1 quarter)	Apr-17	228.2	3.4	-6.8	2.5	-9.3	9.5	-5.4	14.9	9.5	-5.4	14.9	24.2	5.9	18.3	20.8	3.5 17	.3		1	9.2	2.9 1	16.3	
Infrastructure Fund	UK CPI +3.5%	Feb-21	183.3	2.8	-0.8	2.0	-2.8	24.3	12.3	11.9	24.3	12.3	11.9								1	3.2	10.9 -	-7.7	
BlackRock GRP Fund III	UK CPI +3.5%	Feb-21	12.5	0.2	8.3	2.0	6.3	45.9	12.3	33.6	45.9	12.3	33.6								1	6.4	10.9	5.5	
IFM Global Infrastructure Fund	UK CPI +3.5%	Apr-22	57.4	0.9	-0.6	2.0	-2.7	14.8	7.8	7.0	14.8	7.8	7.0								1	4.8	7.8	7.0	
Equitix Fund VI	UK CPI +3.5%	Aug-21	22.4	0.3	1.2	2.0	-0.9	20.6	12.3	8.3	20.6	12.3	8.3								•	6.6	11.4 -	-4.8	
Pantheon GIF IV	UK CPI +3.5%	Jan-22	5.0	0.1	-6.7	2.0	-8.7														-1	14.8	8.8 -2	23.6	
LGPS Central Core/Core Plus Infrastructure Fund	UK CPI +3.5%	Apr-22	26.1	0.4	-6.8	2.0	-8.8														1	0.3	7.8	2.5	
LGPS Central Infrastructure JP Morgan Fund	UK CPI +3.5%	Jan-23	60.0	0.9	-0.1	2.0	-2.1														-	0.1	2.0 -	-2.1	
Brookfield Super-Core Infrastructure Partners	UK CPI +3.5%	Jan-00	N.A.	N.A.																					
Gresham House BSIF II	UK CPI +3.5%	Jan-00	N.A.	N.A.																					
Private Debt Fund	SONIA +5%	Jun-16	348.2	5.2	-2.1	2.2	-4.3	9.7	7.3	2.5	9.7	7.3	2.5	10.3	5.8	4.5	9.5	5.8 3.	7			8.6	5.7	2.9	
Hayfin Private Debt Fund	SONIA +5%	Jan-17	102.6	1.5	1.4	2.2	-0.7	6.2	7.3	-1.0	6.2	7.3	-1.0	7.7	5.8	1.9	8.3	5.8 2.	5		5	9.3	5.7	3.6	
Highbridge Private Debt Fund	SONIA +5%	Jan-17	96.7	1.5	-4.7	2.2	-6.9	18.1	7.3	10.9	18.1	7.3	10.9	11.8	5.8	6.0	11.4	5.8 5.	7		1	1.8	5.7	6.1	
Alcentra Private Debt Fund	SONIA +5%	Jan-17	77.6	1.2	-0.9	2.2	-3.1	3.0	7.3	-4.3	3.0	7.3	-4.3	10.4	5.8	4.6	8.4	5.8 2.	7		7	7.8	5.7	2.1	
Barings Private Debt Fund	SONIA +5%	Aug-21	29.6	0.4	1.88	2.17	-0.29	8.26	7.25	1.01	8.26	7.25	1.01								7	7.51	6.43 1	1.08	
LGPS Central Credit Partnership Total Fund	SONIA +5%	Jul-21	41.7	0.6	-7.04	2.17	-9.20	65.14	7.25	57.89	65.14	7.25	57.89								43	3.85	6.91 3	6.93	
LGPS Central Credit Partnership I LP (HR Fund Investments)	SONIA +5%	Jul-21	16.0	0.2	80.91	2.17	78.74	-83.40	7.25	-90.65	-83.40	7.25	-90.65								-7	7.50	8.91 -8	34.41	
LGPS Central Credit Partnership II LP (LR Fund Investments)	SONIA +5%	Nov-21	9.9	0.1	-195.84	2.17	-198.01	-358.35	7.25	-365.61	-358.35	7.25	""""								-31	11.83	6.91 -3	18.74	
LGPS Central Credit Partnership IV LP (Real Assets)	SONIA +5%	Dec-22	15.7	0.2	-1.54	2.17	-3.70														-1	1.54	2.17 -	3.70	

Summary



- The Fund, for periods ended March 2023, outperformed its benchmark over most periods.
- The Fund has outperformed the PE LGPS Information Service average return over the one, three, five year, ten and twenty year periods.
- The outperformance over the year was due to primarily to the performance of the equity assets, most notably Private Equity and active Global Equities.
- The Fund continues to transition assets to LGPSC Central due to Pooling.
- Total risk remains low and active risk is at a level that is consistent with the structure of the Fund. Risk has increased over recent year due to the impact of the pandemic, inflationary issues and bond yields.