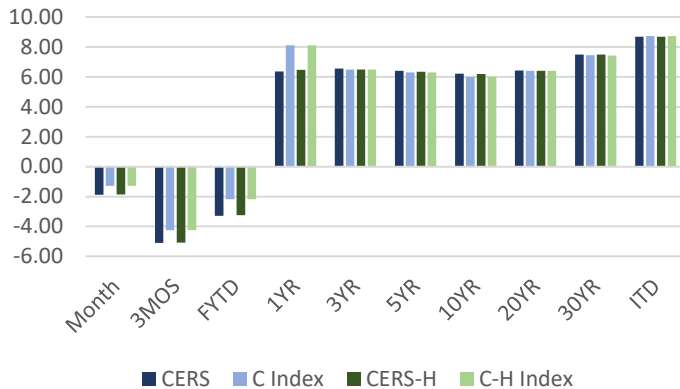


C & CH Pension Performance - 10/31/23

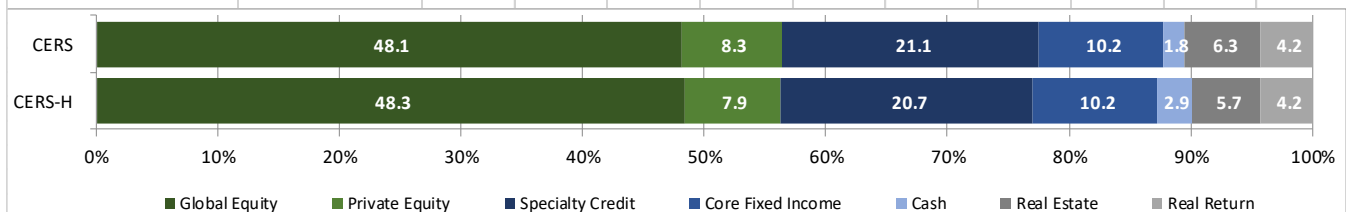


CERS & CERS-HAZ - PENSION FUND PLAN NET RETURNS - 10/31/23

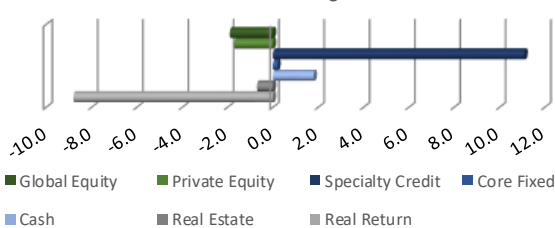
Plan	Market Value	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
CERS	8,388,146,998.41	-1.88	-5.09	-3.28	6.37	6.55	6.40	6.21	6.42	7.49	8.68
KY Ret. CKERS Plan IPS Index		-1.29	-4.24	-2.17	8.11	6.48	6.29	6.01	6.40	7.44	8.72
CERS- H	2,937,438,564.82	-1.86	-5.07	-3.25	6.47	6.48	6.34	6.19	6.41	7.49	8.68
KY Ret. CERS Haz Plan IPS Index		-1.29	-4.24	-2.17	8.11	6.48	6.29	6.01	6.40	7.43	8.72

KPPA PENSION FUND UNIT - NET RETURNS - 10/31/23 - PROXY PLAN ASSET PERFORMANCE

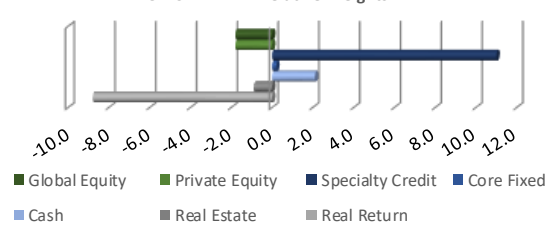
Structure	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
PUBLIC EQUITY	-3.53	-10.45	-7.43	8.76	6.12	7.03	6.48	6.87	8.20	9.90
MSCI ACWI	-3.01	-9.62	-6.31	10.50	6.48	7.08	6.50	6.88	7.99	9.78
PRIVATE EQUITY	-0.01	2.66	2.70	5.64	17.31	13.35	13.41	11.81		11.76
Russell 3000 + 3%(Qtr Lag)	3.67	11.63	13.14	15.65	16.17	14.47	15.35	12.26		12.28
SPECIALTY CREDIT	0.14	2.01	2.79	8.83	6.99	5.90				5.85
50% BB US HY / 50% Morningstar LSTA Lev'd Ln	-0.59	0.02	1.35	9.06	3.62	3.79				3.75
CORE FIXED INCOME	-1.14	-2.77	-2.27	1.45	-1.56	1.71	1.97			2.09
Bloomberg US Aggregate	-1.58	-4.69	-4.76	0.36	-5.57	-0.06	0.88			0.99
CASH	0.48	1.26	1.60	4.17	1.76	1.78	1.32	1.75	2.72	3.32
FTSE Treasury Bill-3 Month	0.47	1.39	1.86	4.94	1.94	1.80	1.16	1.38	2.36	2.94
REAL ESTATE	-1.01	-2.39	-3.61	-9.40	9.83	8.90	9.22	7.91	6.48	6.49
NCREIF NFI-ODCE Net 1 Qtr in Arrears Index^	0.00	-2.88	-2.88	-10.73	7.04	5.56	7.77	6.86	7.53	6.33
REAL RETURN	0.29	2.22	5.01	9.54	13.84	7.94	4.94			5.11
US CPI +3%	0.49	1.61	2.18	6.70	12.85	7.38	4.12			4.20



CERS PEN Relative Weights



CERS-HAZ PEN Relative Weights

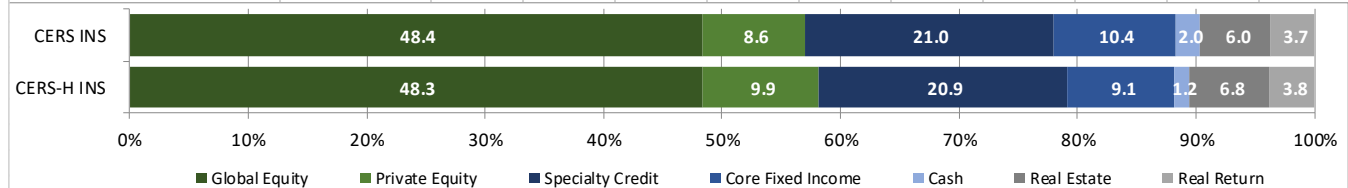


CERS INS & CERS HAZ INS - INSURANCE FUND - PLAN NET RETURNS - 10/31/23

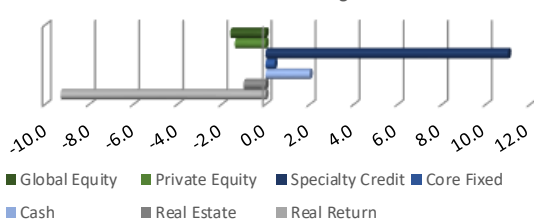
Plan	Market Value	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
CERS INS	3,161,056,984.69	-1.87	-5.04	-3.24	6.46	6.53	6.26	6.17	6.34	6.58	7.20
KY Ins. CERS Plan IPS Index		-1.29	-4.24	-2.17	8.11	6.41	6.06	5.98	6.34	6.83	7.42
CERS - H INS	1,539,819,126.78	-1.85	-4.96	-3.16	6.38	6.69	6.36	6.25	6.37	6.61	7.22
KY Ins. CERS Haz Plan IPS Index		-1.29	-4.24	-2.17	8.11	6.41	6.06	5.98	6.34	6.83	7.42

KPPA INSURANCE FUND UNIT - NET RETURNS - 10/31/23 - PROXY PLAN ASSET PERFORMANCE

Structure	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
PUBLIC EQUITY	-3.55	-10.49	-7.48	8.62	6.09	6.99	6.54	6.85		8.21
MSCI ACWI	-3.01	-9.62	-6.31	10.50	6.46	7.06	6.51	6.69		8.05
PRIVATE EQUITY	-0.01	3.16	3.19	6.15	19.98	13.03	14.39	11.32		10.95
Russell 3000 + 3%(Qtr Lag)	3.67	11.63	13.14	15.65	16.17	14.47	15.35	11.98		11.84
SPECIALTY CREDIT	0.17	2.11	2.92	9.09	7.12	5.88				5.75
50% BB US HY / 50% Morningstar LSTA Lev'd Ln	-0.59	0.02	1.35	9.06	3.62	3.79				3.75
CORE FIXED INCOME	-1.15	-2.86	-2.40	1.33	-1.72	1.52	1.67			1.80
Bloomberg US Aggregate	-1.58	-4.69	-4.76	0.36	-5.57	-0.06	0.88			0.99
CASH	0.48	1.27	1.59	4.16	1.74	1.66	1.18	1.59		2.48
FTSE Treasury Bill-3 Month	0.47	1.39	1.86	4.94	1.94	1.80	1.16	1.38		2.39
REAL ESTATE	-0.98	-2.32	-3.43	-9.52	9.54	8.84	9.55			9.11
NCREIF NFI-ODCE Net 1 Qtr in Arrears Index ^A	0.00	-2.88	-2.88	-10.73	7.04	5.56	7.77			5.82
REAL RETURN	0.33	2.23	4.53	9.00	12.57	7.69	4.74			4.85
US CPI +3%	0.49	1.61	2.18	6.70	12.02	7.38	4.18			4.25



CERS Insurance Relative Weights



CERS-HAZ Insurance Relative Weights

