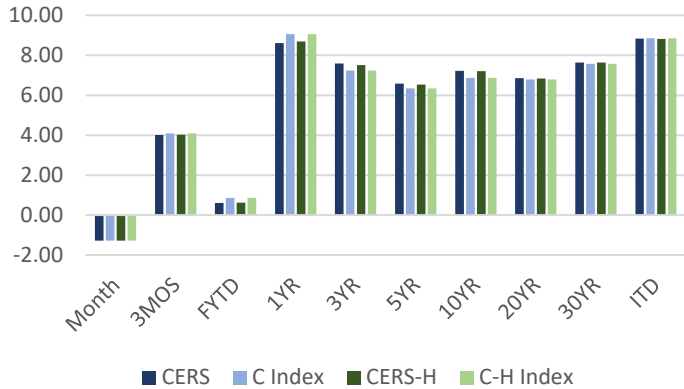


C & CH Pension Performance - 08/31/23

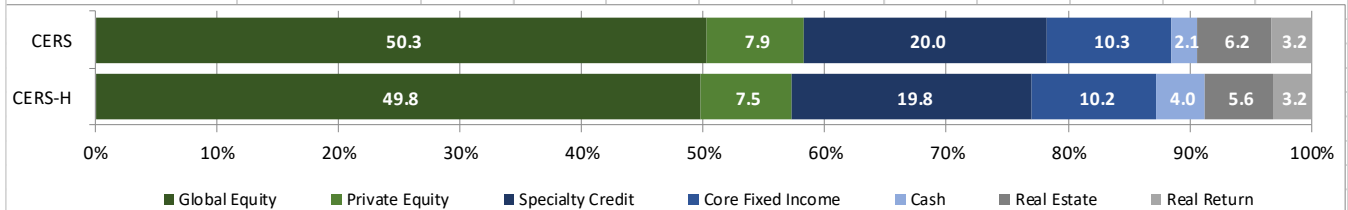


CERS & CERS-HAZ - PENSION FUND PLAN NET RETURNS - 08/31/23

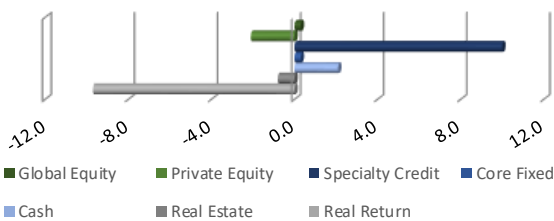
Plan	Market Value	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
CERS	8,741,753,845.00	-1.27	4.01	0.61	8.61	7.59	6.59	7.23	6.85	7.64	8.83
KY Ret. CKERS Plan IPS Index		-1.27	4.09	0.87	9.06	7.24	6.35	6.88	6.80	7.58	8.85
CERS- H	3,050,946,192.88	-1.27	4.03	0.62	8.69	7.51	6.53	7.20	6.84	7.64	8.82
KY Ret. CERS Haz Plan IPS Index		-1.27	4.09	0.87	9.06	7.24	6.35	6.88	6.80	7.58	8.85

KPPA PENSION FUND UNIT - NET RETURNS - 08/31/23 - PROXY PLAN ASSET PERFORMANCE

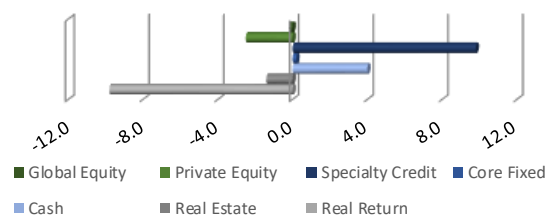
Structure	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
PUBLIC EQUITY	-2.91	6.10	0.36	14.25	7.21	6.97	8.35	7.60	8.50	10.17
MSCI ACWI	-2.79	6.61	0.76	13.95	7.20	6.93	8.28	7.58	8.32	10.02
PRIVATE EQUITY	0.27	3.83	0.31	-1.14	20.02	13.94	13.38	11.96		11.74
Russell 3000 + 3%(Qtr Lag)	0.66	5.12	2.02	5.03	15.29	13.10	14.66	11.94		11.83
SPECIALTY CREDIT	0.78	3.25	1.55	7.82	7.11	5.68	2.54			5.80
50% BB US HY / 50% SP LSTA Leveraged Loan	0.72	4.08	2.07	8.31	3.92	3.90	1.48			3.97
CORE FIXED INCOME	0.38	0.61	0.90	1.90	-0.47	2.24				2.44
Bloomberg Barclays US Aggregate	-0.64	-1.06	-0.71	-1.19	-4.41	0.49				1.42
CASH	0.39	1.14	0.73	3.77	1.48	1.67	1.24	1.72	2.71	3.32
Citigroup Treasury Bill-3 Month	0.47	1.35	0.92	4.44	1.63	1.68	1.07	1.34	2.34	2.93
REAL ESTATE	-0.11	-3.15	-1.37	-6.80	10.68	9.76	9.64	8.14	6.58	6.58
NCREIF NFI-ODCE Net 1 Qtr in Arrears Index^	0.00	-3.38	0.00	-3.91	7.46	6.56	8.47	7.13	7.60	6.44
REAL RETURN	0.52	6.70	3.26	10.14	12.57	6.89	5.08			5.04
US CPI +3%	0.43	1.49	1.00	6.18	11.78	6.43	4.08			4.16



CERS PEN Relative Weights



CERS-HAZ PEN Relative Weights

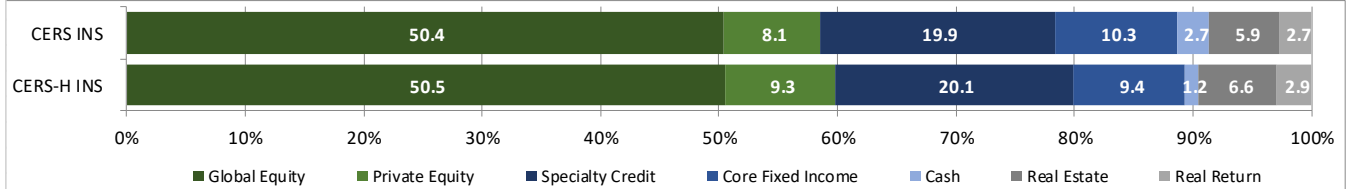


CERS INS & CERS HAZ INS - INSURANCE FUND - PLAN NET RETURNS - 08/31/23

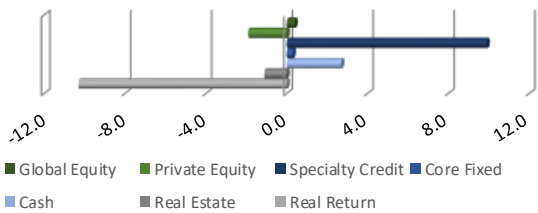
Plan	Market Value	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
CERS INS	3,291,797,772.38	-1.25	3.96	0.63	8.81	7.56	6.45	7.18	6.82	6.75	7.35
KY Ins. CERS Plan IPS Index		-1.27	4.09	0.87	9.06	7.01	6.09	6.86	6.78	6.97	7.55
CERS - H INS	1,610,129,681.99	-1.25	3.97	0.62	8.63	7.73	6.53	7.25	6.85	6.77	7.37
KY Ins. CERS Haz Plan IPS Index		-1.27	4.09	0.87	9.06	7.01	6.09	6.86	6.78	6.97	7.55

KPPA INSURANCE FUND UNIT - NET RETURNS - 08/31/23 - 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	-2.91	6.08	0.36	14.12	7.19	6.95	8.41	7.59		8.53
MSCI ACWI	-2.79	6.61	0.76	13.95	7.19	6.90	8.29	7.37		8.35
PRIVATE EQUITY	0.43	3.07	0.46	2.78	21.66	13.32	14.43	11.40		10.90
Russell 3000 + 3%(Qtr Lag)	0.66	5.12	2.02	5.03	15.29	13.10	14.66	11.66		11.40
SPECIALTY CREDIT	0.82	3.32	1.62	8.05	7.21	5.66				5.69
50% BB US HY / 50% SP LSTA Leveraged Loan	0.72	4.08	2.07	8.31	3.92	3.90				3.97
CORE FIXED INCOME	0.35	0.53	0.84	1.75	-0.62	2.06	2.25			2.16
Bloomberg Barclays US Aggregate	-0.64	-1.06	-0.71	-1.19	-4.41	0.49	1.48			1.42
CASH	0.40	1.11	0.71	3.75	1.45	1.56	1.10	1.56		2.46
Citigroup Treasury Bill-3 Month	0.47	1.35	0.92	4.44	1.63	1.68	1.07	1.34		2.37
REAL ESTATE	-0.11	-3.23	-1.24	-6.97	10.41	9.70	9.62			9.39
NCREIF NFI-ODCE Net 1 Qtr in Arrears Index ^A	0.00	-3.38	0.00	-3.91	7.46	6.56	8.47			6.11
REAL RETURN	0.42	6.33	2.68	9.08	11.17	6.66	4.85			4.76
US CPI +3%	0.43	1.49	1.00	6.18	10.86	6.48	4.14			4.21



CERS Insurance Relative Weights



CERS-HAZ Insurance Relative Weights

