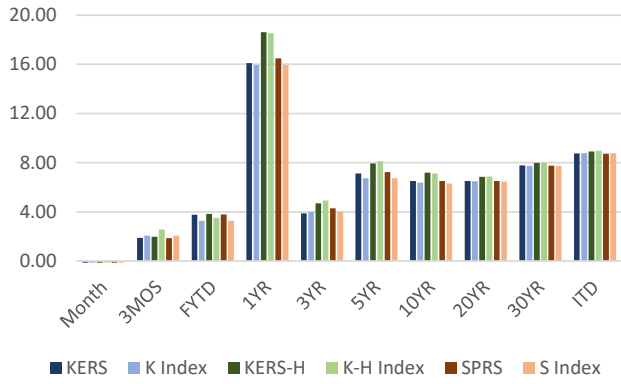


K, KH, S Pension Performance - 10/31/24

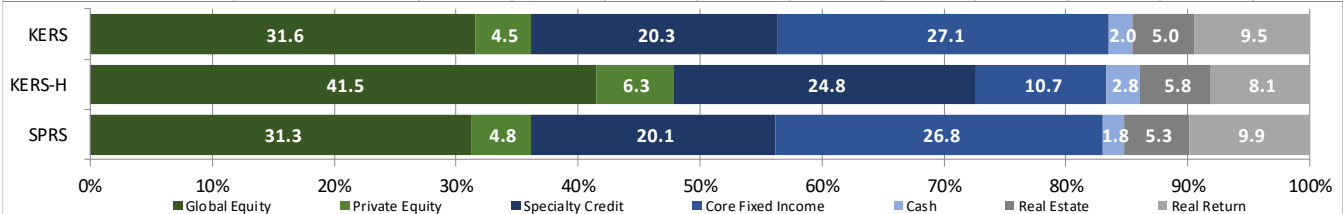


KERS, KERS-HAZ, & SPRS - PENSION FUND - PLAN NET RETURNS - 10/31/24

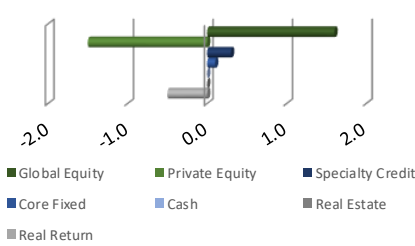
Plan	Market Value	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
<b>KERS</b>	<b>4,483,369,203.77</b>	<b>-1.39</b>	<b>1.88</b>	<b>3.77</b>	<b>16.09</b>	<b>3.88</b>	<b>7.13</b>	<b>6.50</b>	<b>6.51</b>	<b>7.77</b>	<b>8.74</b>
KY Ret. KERS Plan IPS Index		-1.14	2.06	3.26	15.94	3.99	6.74	6.37	6.48	7.74	8.78
<b>KERS- H</b>	<b>1,064,456,599.49</b>	<b>-1.28</b>	<b>1.97</b>	<b>3.84</b>	<b>18.61</b>	<b>4.69</b>	<b>7.94</b>	<b>7.19</b>	<b>6.84</b>	<b>7.99</b>	<b>8.90</b>
KY Ret. KERS Haz Plan IPS Index		-0.91	2.57	3.52	18.51	4.93	8.12	7.12	6.87	8.01	8.98
<b>SPRS</b>	<b>680,384,362.91</b>	<b>-1.42</b>	<b>1.86</b>	<b>3.79</b>	<b>16.47</b>	<b>4.29</b>	<b>7.23</b>	<b>6.50</b>	<b>6.50</b>	<b>7.76</b>	<b>8.73</b>
KY Ret. SPRS Plan IPS Index		-1.14	2.06	3.26	15.94	3.99	6.74	6.31	6.46	7.73	8.77

KPPA PENSION FUND UNIT - NET RETURNS - 10/31/24 - PROXY PLAN ASSET PERFORMANCE

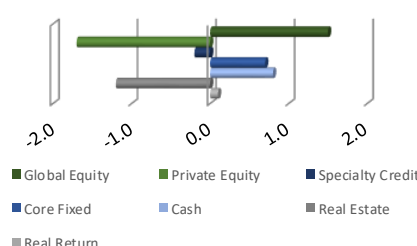
Structure	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
<b>PUBLIC EQUITY</b>	<b>-2.51</b>	<b>1.65</b>	<b>4.02</b>	<b>31.48</b>	<b>4.36</b>	<b>10.36</b>	<b>8.72</b>	<b>7.82</b>	<b>9.04</b>	<b>10.39</b>
MSCI ACWI	-2.24	2.57	4.22	32.79	5.27	10.74	8.78	7.79	8.89	10.29
<b>PRIVATE EQUITY</b>	<b>-0.10</b>	<b>1.76</b>	<b>2.08</b>	<b>3.14</b>	<b>4.27</b>	<b>11.61</b>	<b>11.57</b>	<b>10.69</b>	<b>11.36</b>	<b>11.36</b>
Russell 3000 + 3%(Qtr Lag)	1.98	10.54	6.11	24.07	11.13	17.25	15.70	12.89		12.78
<b>SPECIALTY CREDIT</b>	<b>0.10</b>	<b>2.40</b>	<b>3.20</b>	<b>12.34</b>	<b>7.04</b>	<b>6.90</b>				<b>6.71</b>
50% BB US HY / 50% Morningstar LSTA Lev'd Ln	0.16	2.48	3.82	13.51	4.87	5.32				5.03
<b>CORE FIXED INCOME</b>	<b>-2.41</b>	<b>0.51</b>	<b>2.60</b>	<b>10.33</b>	<b>1.05</b>	<b>2.02</b>	<b>2.51</b>			<b>2.79</b>
Bloomberg US Aggregate	-2.48	0.25	2.59	10.55	-2.20	-0.23	1.49			1.80
<b>CASH</b>	<b>0.42</b>	<b>1.31</b>	<b>1.75</b>	<b>5.48</b>	<b>3.55</b>	<b>2.38</b>	<b>1.84</b>	<b>1.95</b>	<b>2.76</b>	<b>3.38</b>
FTSE Treasury Bill-3 Month	0.43	1.34	1.81	5.59	3.78	2.44	1.71	1.60	2.41	3.01
<b>REAL ESTATE</b>	<b>0.02</b>	<b>0.94</b>	<b>1.73</b>	<b>-4.92</b>	<b>2.13</b>	<b>5.44</b>	<b>7.79</b>	<b>7.04</b>	<b>6.05</b>	<b>6.19</b>
NCREIF NFI-ODCE Net 1 Qtr in Arrears Index^	0.00	-0.66	-0.66	-9.99	1.02	2.27	5.47	5.81	7.06	5.90
<b>REAL RETURN</b>	<b>1.33</b>	<b>5.61</b>	<b>8.12</b>	<b>17.59</b>	<b>10.70</b>	<b>9.81</b>	<b>6.20</b>			<b>6.00</b>
US CPI +3%	0.41	1.10	1.38	5.44	5.82	6.87	4.38			4.30



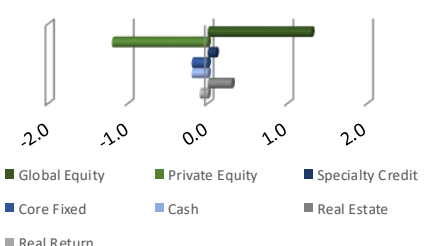
KERS PEN Relative Weights



KERS-HAZ PEN Relative Weights



SPRS PEN Relative Weights

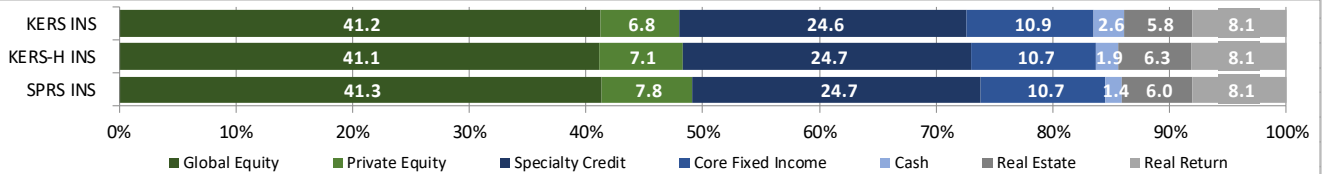


KERS INS, KERS-HAZ INS, SPRS INS - INSURANCE FUND - PLAN NET RETURNS - 10/31/24

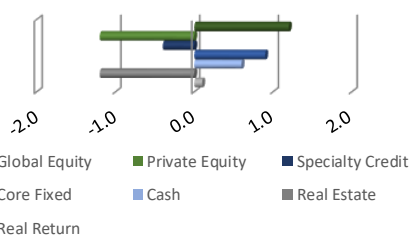
Plan	Market Value	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
<b>KERS INS</b>	<b>1,736,387,831.57</b>	<b>-1.30</b>	<b>2.18</b>	<b>4.04</b>	<b>19.10</b>	<b>5.03</b>	<b>8.06</b>	<b>7.04</b>	<b>6.54</b>	<b>7.14</b>	<b>7.41</b>
KY Ins. KERS Plan IPS Index		-0.91	2.57	3.52	18.51	5.12	8.03	7.11	6.75	7.53	7.73
<b>KERS - H INS</b>	<b>684,987,018.94</b>	<b>-1.20</b>	<b>1.84</b>	<b>3.49</b>	<b>18.24</b>	<b>5.02</b>	<b>7.98</b>	<b>7.23</b>	<b>6.68</b>	<b>7.23</b>	<b>7.48</b>
KY Ins. KERS Haz Plan IPS Index		-0.91	2.57	3.52	18.51	5.12	7.95	7.09	6.74	7.52	7.73
<b>SPRS INS</b>	<b>277,249,674.28</b>	<b>-1.24</b>	<b>1.85</b>	<b>3.51</b>	<b>18.21</b>	<b>5.01</b>	<b>8.14</b>	<b>7.41</b>	<b>6.76</b>	<b>7.29</b>	<b>7.53</b>
KY Ins. SPRS Plan IPS Index		-0.91	2.57	3.52	18.51	5.12	7.95	7.11	6.75	7.53	7.73

KPPA INSURANCE FUND UNIT - NET RETURNS - 10/31/24 - PROXY PLAN ASSET PERFORMANCE

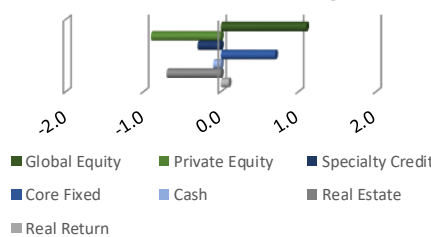
Structure	Month	3 Months	Fiscal YTD	1 Year	3 Years	5 Years	10 Years	20 Years	30 Years	ITD
<b>PUBLIC EQUITY</b>	<b>-2.54</b>	<b>1.57</b>	<b>3.93</b>	<b>31.29</b>	<b>4.31</b>	<b>10.31</b>	<b>8.74</b>	<b>7.70</b>		<b>8.86</b>
MSCI ACWI	-2.24	2.57	4.22	32.79	5.27	10.72	8.78	7.62		8.74
<b>PRIVATE EQUITY</b>	<b>0.00</b>	<b>1.46</b>	<b>1.63</b>	<b>4.99</b>	<b>8.11</b>	<b>11.90</b>	<b>12.74</b>	<b>11.02</b>		<b>10.67</b>
Russell 3000 + 3%(Qtr Lag)	1.98	10.54	6.11	24.07	11.13	17.25	15.70	12.64		12.36
<b>SPECIALTY CREDIT</b>	<b>0.13</b>	<b>2.40</b>	<b>3.20</b>	<b>12.42</b>	<b>7.26</b>	<b>6.93</b>				<b>6.63</b>
50% BB US HY / 50% Morningstar LSTA Lev'd Ln	0.16	2.48	3.82	13.51	4.87	5.32				5.03
<b>CORE FIXED INCOME</b>	<b>-2.41</b>	<b>0.48</b>	<b>2.57</b>	<b>10.27</b>	<b>0.89</b>	<b>1.82</b>	<b>2.41</b>			<b>2.52</b>
Bloomberg US Aggregate	-2.48	0.25	2.59	10.55	-2.20	-0.23	1.49			1.80
<b>CASH</b>	<b>0.42</b>	<b>1.31</b>	<b>1.75</b>	<b>5.51</b>	<b>3.55</b>	<b>2.28</b>	<b>1.71</b>	<b>1.80</b>		<b>2.57</b>
FTSE Treasury Bill-3 Month	0.43	1.34	1.81	5.59	3.78	2.44	1.71	1.60		2.49
<b>REAL ESTATE</b>	<b>-0.01</b>	<b>0.99</b>	<b>1.68</b>	<b>-5.13</b>	<b>1.84</b>	<b>5.33</b>	<b>7.78</b>			<b>8.13</b>
NCREIF NFI-ODCE Net 1 Qtr in Arrears Index^	0.00	-0.66	-0.66	-9.99	1.02	2.27	5.47			4.72
<b>REAL RETURN</b>	<b>1.15</b>	<b>5.49</b>	<b>7.88</b>	<b>15.58</b>	<b>10.27</b>	<b>9.12</b>	<b>5.84</b>			<b>5.62</b>
US CPI +3%	0.41	1.10	1.38	5.44	6.43	6.82	4.44			4.34



KERS Insurance Relative Weights



KERS-HAZ Insurance Relative Weights



SPRS Insurance Relative Weights

