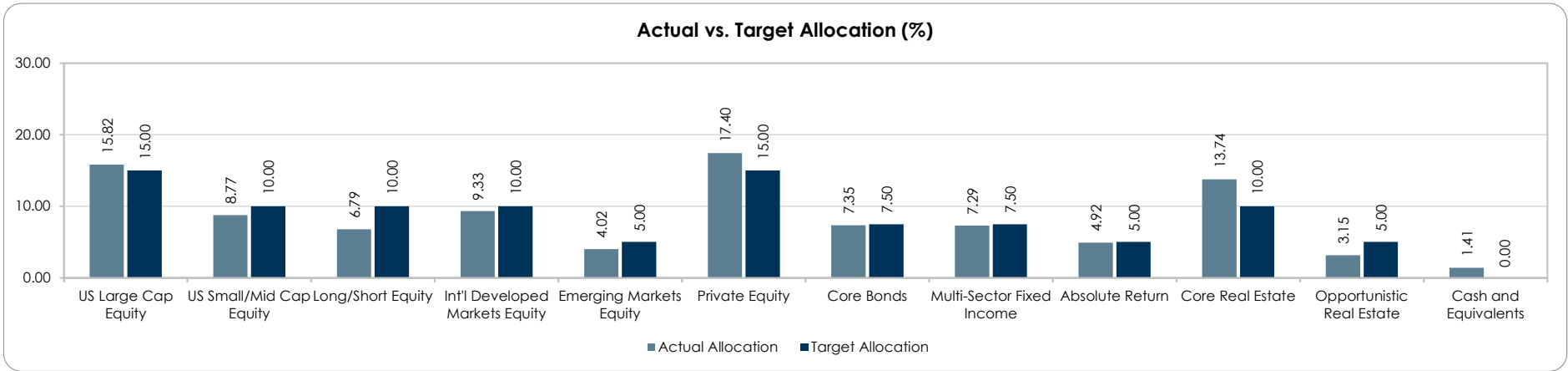


## Oklahoma Police Pension & Retirement System

For the Periods Ending October 31, 2022



Asset Class	Market Value (\$000s)	Actual Allocation (%)	Target Allocation (%)	Over/Under (%)	Range Min - Max (%)
<b>Total Portfolio</b>	<b>2,955,422</b>	<b>100.00</b>	<b>100.00</b>		
<b>Equity</b>	<b>1,836,133</b>	<b>62.13</b>	<b>65.00</b>	<b>-2.87</b>	<b>55.00 - 75.00</b>
US Large Cap Equity	467,568	15.82	15.00	0.82	10.00 - 20.00
US Small/Mid Cap Equity	259,162	8.77	10.00	-1.23	5.00 - 15.00
Long/Short Equity	200,734	6.79	10.00	-3.21	5.00 - 15.00
Int'l Developed Markets Equity	275,602	9.33	10.00	-0.67	5.00 - 15.00
Emerging Markets Equity	118,687	4.02	5.00	-0.98	0.00 - 10.00
Private Equity	514,380	17.40	15.00	2.40	5.00 - 20.00
<b>Fixed Income</b>	<b>578,270</b>	<b>19.57</b>	<b>20.00</b>	<b>-0.43</b>	<b>10.00 - 30.00</b>
Core Bonds	217,261	7.35	7.50	-0.15	2.50 - 12.50
Multi-Sector Fixed Income	215,508	7.29	7.50	-0.21	2.50 - 12.50
Absolute Return	145,500	4.92	5.00	-0.08	0.00 - 10.00
<b>Real Assets</b>	<b>499,326</b>	<b>16.90</b>	<b>15.00</b>	<b>1.90</b>	<b>10.00 - 20.00</b>
Core Real Estate	406,157	13.74	10.00	3.74	5.00 - 15.00
Opportunistic Real Estate	93,169	3.15	5.00	-1.85	0.00 - 10.00
<b>Cash and Equivalents</b>	<b>41,693</b>	<b>1.41</b>	<b>0.00</b>	<b>1.41</b>	

## Oklahoma Police Pension & Retirement System

For the Periods Ending October 31, 2022

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	10 Years (%)	Since Inception (%)
<b>Total Portfolio (08/85)</b>	<b>2,955,422</b>	<b>100.00</b>	<b>2.69</b>	<b>-1.10</b>	<b>-10.21</b>	<b>-8.35</b>	<b>7.24</b>	<b>6.49</b>	<b>7.49</b>	<b>8.13</b>
<b>Total Portfolio Net of Fees (06/05) *</b>			<b>2.65</b>	<b>-1.23</b>	<b>-10.58</b>	<b>-8.79</b>	<b>6.83</b>	<b>6.07</b>	<b>7.05</b>	<b>--</b>
<i>Total Fund Policy <sup>1</sup></i>			<b>3.72</b>	<b>-1.59</b>	<b>-15.18</b>	<b>-13.33</b>	<b>4.44</b>	<b>4.92</b>	<b>6.52</b>	<b>--</b>
<b>Equity (01/98)</b>	<b>1,836,133</b>	<b>62.13</b>	<b>4.60</b>	<b>-0.53</b>	<b>-15.03</b>	<b>-13.42</b>	<b>9.67</b>	<b>8.36</b>	<b>9.73</b>	<b>7.03</b>
<i>MSCI ACWI</i>			<b>6.06</b>	<b>-1.05</b>	<b>-20.81</b>	<b>-19.58</b>	<b>5.34</b>	<b>5.76</b>	<b>8.54</b>	<b>6.30</b>
<b>Fixed Income (01/98)</b>	<b>578,270</b>	<b>19.57</b>	<b>-0.32</b>	<b>-3.52</b>	<b>-11.36</b>	<b>-11.31</b>	<b>-1.00</b>	<b>0.92</b>	<b>2.21</b>	<b>4.80</b>
<i>Bloomberg Universal</i>			<b>-1.10</b>	<b>-5.50</b>	<b>-15.83</b>	<b>-15.79</b>	<b>-3.57</b>	<b>-0.42</b>	<b>1.02</b>	<b>4.07</b>
<b>Real Assets (01/98)</b>	<b>499,326</b>	<b>16.90</b>	<b>-0.30</b>	<b>0.36</b>	<b>15.60</b>	<b>23.27</b>	<b>11.62</b>	<b>8.74</b>	<b>8.00</b>	<b>6.31</b>
<i>Real Assets Blended Index <sup>2</sup></i>			<b>0.00</b>	<b>0.35</b>	<b>12.40</b>	<b>21.01</b>	<b>11.39</b>	<b>8.00</b>	<b>5.68</b>	<b>6.47</b>
<b>OK Invest (12/09)</b>	<b>19,914</b>	<b>0.67</b>	<b>0.14</b>	<b>0.50</b>	<b>1.02</b>	<b>1.19</b>	<b>1.59</b>	<b>1.84</b>	<b>1.90</b>	<b>2.23</b>
<b>Cash and Miscellaneous (01/98) <sup>3</sup></b>	<b>21,779</b>	<b>0.74</b>	<b>0.11</b>	<b>0.52</b>	<b>0.62</b>	<b>0.62</b>	<b>0.46</b>	<b>1.05</b>	<b>1.27</b>	<b>2.71</b>

<sup>1</sup> Total Fund Policy: Effective April 2021, the index consists of 65.00% MSCI ACWI, 20.00% Bloomberg Universal, 15.00% NFI ODCE Net.

<sup>2</sup> Real Assets Blended Index: Effective September 2019, the index consists of 100.0% NFI ODCE Net.

<sup>3</sup> Cash includes holdings in miscellaneous equity securities.

The Fiscal Year End is June.

## Oklahoma Police Pension &amp; Retirement System

For the Periods Ending October 31, 2022

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	10 Years (%)	Since Inception (%)
<b>Equity (01/98)</b>	<b>1,836,133</b>	<b>62.13</b>	<b>4.60</b>	<b>-0.53</b>	<b>-15.03</b>	<b>-13.42</b>	<b>9.67</b>	<b>8.36</b>	<b>9.73</b>	<b>7.03</b>
<i>MSCI ACWI</i>			6.06	-1.05	-20.81	-19.58	5.34	5.76	8.54	6.30
<b>US Large Cap Equity</b>	<b>467,568</b>	<b>15.82</b>	--	--	--	--	--	--	--	--
<b>Northern Trust Russell 1000 Index Fund (08/98) <sup>1</sup></b>	<b>467,568</b>	<b>15.82</b>	<b>8.02</b>	<b>3.04</b>	<b>-18.51</b>	<b>-16.35</b>	<b>9.99</b>	<b>10.20</b>	<b>12.67</b>	<b>7.47</b>
<i>Russell 1000</i>			8.02	3.04	-18.54	-16.38	9.99	10.19	12.66	7.40
<b>US Small/Mid Cap Equity</b>	<b>259,162</b>	<b>8.77</b>	--	--	--	--	--	--	--	--
<b>Boston Partners (01/98)</b>	<b>139,489</b>	<b>4.72</b>	<b>11.65</b>	<b>4.78</b>	<b>-7.91</b>	<b>-6.74</b>	<b>9.67</b>	<b>6.42</b>	<b>10.39</b>	<b>9.26</b>
<i>Russell 2500 Value</i>			10.56	5.58	-12.01	-10.66	7.57	5.77	9.55	8.44
<b>Silvercrest (02/14)</b>	<b>119,673</b>	<b>4.05</b>	<b>10.73</b>	<b>12.82</b>	<b>-23.02</b>	<b>-26.42</b>	<b>15.30</b>	<b>13.18</b>	--	<b>10.02</b>
<i>Russell 2000 Growth</i>			9.49	9.76	-22.57	-26.02	5.11	5.17	10.15	6.95
<b>Long/Short Equity (05/12) *</b>	<b>200,734</b>	<b>6.79</b>	<b>3.56</b>	<b>2.34</b>	<b>-18.10</b>	<b>-19.83</b>	<b>1.70</b>	<b>2.25</b>	<b>4.77</b>	<b>4.55</b>
<b>Grosvenor (12/10) *</b>	<b>2,032</b>	<b>0.07</b>	<b>7.34</b>	<b>-0.18</b>	<b>-10.09</b>	<b>-6.40</b>	<b>7.48</b>	<b>5.70</b>	<b>6.53</b>	<b>5.71</b>
<i>MSCI ACWI</i>			6.06	-1.05	-20.81	-19.58	5.34	5.76	8.54	8.20
<i>HFRI FOF: Strategic</i>			1.32	-0.21	-12.66	-14.24	3.22	2.14	3.47	2.79
<b>K2 Ascent LLC (04/20) *</b>	<b>198,701</b>	<b>6.72</b>	<b>3.53</b>	<b>2.36</b>	<b>-18.19</b>	<b>-19.97</b>	--	--	--	<b>4.81</b>
<i>MSCI ACWI</i>			6.06	-1.05	-20.81	-19.58	5.34	5.76	8.54	13.86
<i>HFRI FOF: Strategic</i>			1.32	-0.21	-12.66	-14.24	3.22	2.14	3.47	7.54
<b>Int'l Developed Markets Equity</b>	<b>275,602</b>	<b>9.33</b>	--	--	--	--	--	--	--	--
<b>Barings Focused EAFE Plus Equity (03/12)</b>	<b>143,703</b>	<b>4.86</b>	<b>5.87</b>	<b>-4.61</b>	<b>-23.83</b>	<b>-23.12</b>	<b>-1.17</b>	<b>0.05</b>	<b>3.91</b>	<b>3.53</b>
<i>MSCI ACWI ex US</i>			3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.75	3.38
<i>MSCI EAFE NetDiv</i>			5.38	-4.48	-23.17	-23.00	-1.27	-0.09	4.13	3.83
<b>Mondrian Int'l Value (05/04)</b>	<b>131,899</b>	<b>4.46</b>	<b>4.92</b>	<b>-9.96</b>	<b>-19.66</b>	<b>-20.27</b>	<b>-3.08</b>	<b>-1.34</b>	<b>3.61</b>	<b>4.79</b>
<i>MSCI EAFE Value</i>			6.46	-4.32	-15.48	-15.80	-1.31	-1.07	3.50	4.18
<b>Emerging Markets Equity</b>	<b>118,687</b>	<b>4.02</b>	--	--	--	--	--	--	--	--
<b>Axiom Emerging Markets (08/22)</b>	<b>75,696</b>	<b>2.56</b>	<b>-1.82</b>	--	--	--	--	--	--	<b>-13.00</b>
<i>MSCI Emerging Markets</i>			-3.09	-14.15	-29.15	-30.73	-4.07	-2.73	1.16	-14.01
<b>Wasatch EM Small Cap (09/12)</b>	<b>42,992</b>	<b>1.45</b>	<b>-0.48</b>	<b>-4.93</b>	<b>-41.61</b>	<b>-39.99</b>	<b>4.29</b>	<b>4.79</b>	<b>4.66</b>	<b>5.05</b>
<i>MSCI EM SC</i>			-0.06	-5.09	-23.93	-23.00	4.67	0.96	3.42	3.83
<b>Private Equity (07/03) *</b>	<b>514,380</b>	<b>17.40</b>	<b>0.09</b>	<b>-2.90</b>	<b>4.59</b>	<b>12.26</b>	<b>27.27</b>	<b>21.55</b>	<b>15.57</b>	<b>14.19</b>

<sup>1</sup> Performance data prior to October 31, 2014 is reflective of the Mellon Capital Passive Index fund.

\* Net of fee return data.

## Oklahoma Police Pension &amp; Retirement System

For the Periods Ending October 31, 2022

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	10 Years (%)	Since Inception (%)
<b>Fixed Income (01/98)</b>	<b>578,270</b>	<b>19.57</b>	<b>-0.32</b>	<b>-3.52</b>	<b>-11.36</b>	<b>-11.31</b>	<b>-1.00</b>	<b>0.92</b>	<b>2.21</b>	<b>4.80</b>
<i>Bloomberg Universal</i>			-1.10	-5.50	-15.83	-15.79	-3.57	-0.42	1.02	4.07
<b>Core Bonds</b>	<b>217,261</b>	<b>7.35</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Agincourt (10/99)</b>	<b>217,261</b>	<b>7.35</b>	<b>-1.34</b>	<b>-5.96</b>	<b>-15.65</b>	<b>-15.54</b>	<b>-3.37</b>	<b>-0.13</b>	<b>1.17</b>	<b>4.24</b>
<i>Bloomberg US Aggregate</i>			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.74	3.82
<b>Multi-Sector Fixed Income</b>	<b>215,508</b>	<b>7.29</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Oaktree Global Credit Fund (02/98) <sup>1</sup></b>	<b>122,585</b>	<b>4.15</b>	<b>0.77</b>	<b>0.08</b>	<b>-8.50</b>	<b>-8.14</b>	<b>1.15</b>	<b>1.50</b>	<b>3.93</b>	<b>6.07</b>
<i>Custom Blended Index <sup>2</sup></i>			1.46	0.76	-10.03	-9.83	0.07	0.73	1.38	4.09
<b>Loomis Sayles (06/08)</b>	<b>67,319</b>	<b>2.28</b>	<b>-0.31</b>	<b>-7.82</b>	<b>-22.51</b>	<b>-22.97</b>	<b>-6.25</b>	<b>-2.31</b>	<b>-0.80</b>	<b>1.51</b>
<i>FTSE World Govt Bond</i>			-0.52	-8.09	-21.68	-22.23	-7.36	-3.07	-1.75	0.33
<b>Private Credit (10/16) *</b>	<b>25,605</b>	<b>0.87</b>	<b>-1.10</b>	<b>-4.56</b>	<b>-5.85</b>	<b>-4.35</b>	<b>9.01</b>	<b>8.67</b>	<b>--</b>	<b>8.42</b>
<b>Absolute Return</b>	<b>145,500</b>	<b>4.92</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>PAAMCO (10/02)</b>	<b>4,162</b>	<b>0.14</b>	<b>-0.05</b>	<b>-0.13</b>	<b>-0.18</b>	<b>4.17</b>	<b>5.10</b>	<b>3.68</b>	<b>4.11</b>	<b>4.75</b>
<i>HFRI FOF: Conservative</i>			1.02	1.29	-0.29	-0.24	5.05	3.85	3.74	3.32
<b>Wellington Global Total Return (12/16)</b>	<b>82,283</b>	<b>2.78</b>	<b>0.86</b>	<b>0.57</b>	<b>5.19</b>	<b>4.21</b>	<b>2.45</b>	<b>3.70</b>	<b>--</b>	<b>3.40</b>
<i>Bloomberg US Aggregate</i>			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.74	0.10
<b>TCW MetWest Unconstrained Bond Fund (01/21)</b>	<b>59,055</b>	<b>2.00</b>	<b>0.04</b>	<b>-1.44</b>	<b>-7.67</b>	<b>-7.69</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>-3.59</b>
<i>Bloomberg US Aggregate</i>			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.74	-9.67
<b>Real Assets (01/98)</b>	<b>499,326</b>	<b>16.90</b>	<b>-0.30</b>	<b>0.36</b>	<b>15.60</b>	<b>23.27</b>	<b>11.62</b>	<b>8.74</b>	<b>8.00</b>	<b>6.31</b>
<i>Real Assets Blended Index</i>			0.00	0.35	12.40	21.01	11.39	8.00	5.68	6.47
<b>Core Real Estate</b>	<b>406,157</b>	<b>13.74</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>JP Morgan (12/07)</b>	<b>199,601</b>	<b>6.75</b>	<b>-0.47</b>	<b>-1.74</b>	<b>9.59</b>	<b>17.06</b>	<b>10.97</b>	<b>8.98</b>	<b>10.32</b>	<b>6.78</b>
<i>NFI ODCE Net</i>			0.00	0.35	12.40	21.01	11.39	9.27	9.92	5.81
<b>Blackstone Property Partners (01/15)</b>	<b>206,556</b>	<b>6.99</b>	<b>0.00</b>	<b>2.97</b>	<b>22.84</b>	<b>31.12</b>	<b>13.13</b>	<b>11.66</b>	<b>--</b>	<b>12.53</b>
<i>NFI ODCE Net</i>			0.00	0.35	12.40	21.01	11.39	9.27	9.92	9.28
<b>Opportunistic Real Estate</b>	<b>93,169</b>	<b>3.15</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>Private Real Estate (08/11)</b>	<b>88,559</b>	<b>3.00</b>	<b>-0.59</b>	<b>-0.86</b>	<b>14.54</b>	<b>21.68</b>	<b>12.43</b>	<b>12.25</b>	<b>11.58</b>	<b>10.20</b>
<b>Columbus Square (01/98)</b>	<b>4,611</b>	<b>0.16</b>	<b>0.04</b>	<b>2.07</b>	<b>4.67</b>	<b>5.67</b>	<b>-1.36</b>	<b>1.40</b>	<b>5.12</b>	<b>11.19</b>
<b>Cash and Miscellaneous Securities</b>	<b>41,693</b>	<b>1.41</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>OK Invest (12/09)</b>	<b>19,914</b>	<b>0.67</b>	<b>0.14</b>	<b>0.50</b>	<b>1.02</b>	<b>1.19</b>	<b>1.59</b>	<b>1.84</b>	<b>1.90</b>	<b>2.23</b>
<b>Cash and Miscellaneous (01/98) <sup>3</sup></b>	<b>21,779</b>	<b>0.74</b>	<b>0.11</b>	<b>0.52</b>	<b>0.62</b>	<b>0.62</b>	<b>0.46</b>	<b>1.05</b>	<b>1.27</b>	<b>2.71</b>

<sup>1</sup> On November 1, 2018 Oaktree's Portfolio transitioned to the Oaktree Global Credit Fund.<sup>2</sup> Custom Blended Index: Effective November 2018, the index consists of 50.00% ICE BofA ML Global HY Const, 50.00% CSFB Leveraged Loan.  
Custom Blended Index History: Prior to November 2018, the index consisted of the BloomBar US Aggregate Bond Index.<sup>3</sup> Cash includes holdings in miscellaneous equity securities.

\* Net of fee return data.

**Private Equity - Active Funds**

For the Period Ending October 31, 2022

**Summary of Cash Flows for 6 Months**

Cash Outflows	Cash Inflows	Net Cash Flows
-34,936,905	18,993,688	-15,943,217

**Summary of Portfolio Inception to Date (Category totals include active and closed funds)**

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
<b>Total</b>	<b>Feb-98</b>	<b>1,045,700,000</b>	<b>818,939,440</b>	<b>257,646,609</b>	<b>850,135,243</b>	<b>514,380,357</b>	<b>1,364,515,600</b>	<b>1.67x</b>
<b>Buyout</b>	<b>Apr-99</b>	<b>353,200,000</b>	<b>271,137,198</b>	<b>100,585,443</b>	<b>325,935,451</b>	<b>116,920,173</b>	<b>442,855,624</b>	<b>1.63x</b>
Levine Leichtman III	Feb-03	10,000,000	10,612,096	-	18,303,322	3,519	18,306,841	1.73x
Thompson Street Capital II	Dec-06	10,000,000	10,525,084	655,027	20,255,555	275,504	20,531,059	1.95x
Sun Capital Partners V	May-07	12,500,000	12,696,297	706,134	12,934,070	2,395,441	15,329,511	1.21x
Levine Leichtman IV	Sep-08	10,000,000	9,284,222	1,065,574	15,393,824	894,026	16,287,850	1.75x
Thompson Street Capital III	Oct-11	7,500,000	8,150,033	449,665	14,369,790	1,203,992	15,573,782	1.91x
Arsenal Capital Partners III	Apr-12	7,500,000	7,919,901	1,011,386	17,162,702	1,440,517	18,603,219	2.35x
Apollo Investment Fund VIII	Feb-14	7,500,000	7,790,229	956,861	8,088,253	3,121,926	11,210,179	1.44x
Francisco Partners IV	Apr-15	8,000,000	7,796,000	204,000	15,400,030	8,027,810	23,427,840	3.01x
CenterOak Equity Fund I	Dec-15	7,500,000	7,369,234	725,453	10,476,893	4,887,570	15,364,463	2.08x
Thompson Street Capital IV	Jan-16	7,500,000	7,937,662	449,830	11,035,690	5,281,673	16,317,363	2.06x
Green Equity Investors VII	May-17	7,500,000	7,165,874	1,850,439	5,210,628	10,203,704	15,414,332	2.15x
Francisco Partners V	Jul-18	10,000,000	9,075,000	925,000	2,870,000	13,331,634	16,201,634	1.79x
Thompson Street Capital V	Aug-18	12,700,000	10,354,756	3,480,249	6,704,771	10,318,544	17,023,315	1.64x
Apollo Investment Fund IX	Mar-19	13,000,000	10,891,510	4,600,078	3,650,482	10,940,458	14,590,940	1.34x
Jade Equity Investors I	Apr-20	10,000,000	6,712,390	4,365,465	1,679,942	7,428,295	9,108,237	1.36x
Francisco Partners Agility II	Sep-20	5,000,000	2,432,500	2,567,500	-	2,559,592	2,559,592	1.05x
Green Equity Investors VIII	Oct-20	15,000,000	13,070,155	1,943,976	14,131	14,024,882	14,039,013	1.07x
Francisco Partners VI	Jan-21	20,000,000	11,590,000	8,410,000	-	12,604,628	12,604,628	1.09x
Thompson Street Capital VI	Mar-22	25,000,000	8,873,184	16,218,806	540,924	7,976,458	8,517,382	0.96x
Francisco Partners VII		20,000,000	-	20,000,000	-	-	-	-
Francisco Partners Agility III		5,000,000	-	5,000,000	-	-	-	-
Green Equity Investors IX		15,000,000	-	15,000,000	-	-	-	-
Jade Equity Investors II		10,000,000	-	10,000,000	-	-	-	-

## Private Equity - Active Funds

For the Period Ending October 31, 2022

## Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
<b>Distressed</b>	Feb-98	<b>203,500,000</b>	<b>168,876,770</b>	<b>38,054,163</b>	<b>181,909,658</b>	<b>58,320,879</b>	<b>240,230,536</b>	<b>1.42x</b>
Oaktree Opportunities VII A	Mar-07	7,500,000	7,500,000	-	10,314,103	93,843	10,407,946	1.39x
Oaktree Opportunities VII B	Jun-08	7,500,000	6,750,000	375,000	11,690,516	4,609	11,695,125	1.73x
Oaktree Opportunities VIII	Dec-09	7,500,000	7,500,000	-	10,963,161	58,943	11,022,104	1.47x
Oaktree Opportunities IX	Mar-13	7,500,000	7,500,000	-	5,548,210	6,006,538	11,554,748	1.54x
Oaktree European Dislocation Fund	Nov-13	7,500,000	4,345,500	697,500	4,570,399	61,945	4,632,344	1.07x
Oaktree Opportunities Fund X	Jul-15	7,500,000	6,975,000	1,275,000	5,144,199	4,998,781	10,142,980	1.45x
Apollo EPF III	Jan-18	10,000,000	13,304,406	3,081,663	8,924,964	6,775,513	15,700,477	1.18x
Oaktree Opportunities Fund Xb	Jun-18	7,500,000	4,875,000	2,625,000	-	7,250,075	7,250,075	1.49x
CarVal Credit Value Fund V	Jul-20	30,000,000	15,000,000	15,000,000	-	15,333,440	15,333,440	1.02x
Oaktree Opportunities XI	Aug-20	30,000,000	15,000,000	15,000,000	41,914	17,737,192	17,779,106	1.19x
<b>Emerging Markets Focused</b>	Mar-12	<b>7,500,000</b>	<b>8,910,712</b>	<b>403,937</b>	<b>7,257,128</b>	<b>4,944,018</b>	<b>12,201,146</b>	<b>1.37x</b>
Actis EM IV	Mar-12	7,500,000	8,910,712	403,937	7,257,128	4,944,018	12,201,146	1.37x
<b>Mezzanine</b>	Mar-99	<b>49,500,000</b>	<b>51,446,479</b>	<b>2,804,931</b>	<b>73,839,607</b>	<b>758,488</b>	<b>74,598,095</b>	<b>1.45x</b>
TCW Mezzanine Fund V	Mar-08	10,000,000	7,507,009	2,492,991	11,246,473	35,594	11,282,067	1.50x
Newstone Capital Partners II	Dec-10	7,500,000	10,036,257	311,940	11,619,334	722,894	12,342,228	1.23x
<b>Other</b>	Feb-13	<b>71,500,000</b>	<b>57,860,820</b>	<b>17,023,271</b>	<b>28,547,162</b>	<b>57,669,804</b>	<b>86,216,966</b>	<b>1.49x</b>
EnCap Energy Fund IX	Feb-13	6,500,000	7,484,322	252,854	7,552,460	2,886,453	10,438,913	1.39x
EnCap Energy Fund X	Apr-15	7,500,000	7,634,191	392,947	6,453,596	6,476,591	12,930,187	1.69x
ArcLight Energy Partners VI, L.P.	Aug-15	7,500,000	7,807,282	1,050,714	5,341,180	3,315,883	8,657,063	1.11x
EnCap Energy Fund XI	Jul-17	10,000,000	7,900,132	2,361,649	1,216,784	9,514,223	10,731,007	1.36x
North Sky Clean Growth V	Sep-19	25,000,000	18,750,000	6,250,000	7,151,168	24,592,197	31,743,365	1.69x
ArcLight Energy Partners VII, L.P.	Feb-20	15,000,000	8,284,893	6,715,107	831,974	10,884,456	11,716,430	1.41x
<b>Secondary Fund of Funds</b>	Dec-05	<b>20,000,000</b>	<b>21,226,531</b>	<b>326,939</b>	<b>29,483,352</b>	<b>193,418</b>	<b>29,676,770</b>	<b>1.40x</b>
Lexington VI	Dec-05	20,000,000	21,226,531	326,939	29,483,352	193,418	29,676,770	1.40x

## Private Equity - Active Funds

For the Period Ending October 31, 2022

## Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
<b>Venture Capital</b>	Jul-99	<b>340,500,000</b>	<b>239,480,930</b>	<b>98,447,924</b>	<b>203,162,886</b>	<b>275,573,577</b>	<b>478,736,463</b>	<b>2.00x</b>
Accel Europe	May-01	10,000,000	10,000,000	-	12,816,167	<b>347,520</b>	13,163,687	1.32x
Knightsbridge Fund VI	Dec-04	12,000,000	10,960,000	1,040,000	17,952,368	<b>4,332,007</b>	22,284,375	2.03x
Firstmark Capital Fund I	Nov-05	5,000,000	4,950,000	50,000	40,591,752	<b>25,526,450</b>	66,118,202	13.36x
Weathergace Venture Capital I	Mar-07	7,500,000	6,862,500	637,500	13,638,433	<b>3,895,970</b>	17,534,403	2.56x
Warburg Pincus X	Oct-07	15,000,000	15,000,000	-	26,273,763	<b>313,752</b>	26,587,515	1.77x
Weathergace Venture Capital II	Apr-11	7,500,000	6,975,000	525,000	17,187,437	<b>10,310,036</b>	27,497,473	3.94x
Firstmark Capital Fund II	Aug-11	5,000,000	5,022,365	-	2,842,984	<b>9,445,196</b>	12,288,180	2.45x
Warburg Pincus XI	Nov-12	7,500,000	7,500,000	-	9,696,519	<b>3,226,557</b>	12,923,076	1.72x
Firstmark Capital Fund III	Feb-14	5,000,000	5,000,000	-	3,043,784	<b>20,748,054</b>	23,791,838	4.76x
Firstmark Capital Opportunity Fund I	Jun-14	5,000,000	5,150,000	111,808	7,084,727	<b>5,812,712</b>	12,897,439	2.50x
Warburg Pincus XII	Dec-15	10,000,000	9,865,000	135,000	8,161,697	<b>12,502,389</b>	20,664,086	2.09x
Weathergace Venture Capital IV	Dec-16	10,000,000	7,200,000	2,800,000	615,937	<b>19,632,416</b>	20,248,353	2.81x
FirstMark Capital Fund IV	Apr-17	7,500,000	6,900,000	600,000	848,042	<b>24,660,999</b>	25,509,040	3.70x
FirstMark Capital Opportunity Fund II	Jan-18	7,500,000	7,500,000	-	5,047,087	<b>22,990,800</b>	28,037,888	3.74x
Warburg Pincus Global Growth	Mar-19	40,000,000	35,180,000	4,820,000	290,000	<b>45,951,085</b>	46,241,085	1.31x
TA Associates XIII	Dec-19	10,000,000	9,350,000	650,000	3,575,000	<b>11,851,393</b>	15,426,393	1.65x
FirstMark Capital Opportunity Fund III	Jun-20	12,500,000	11,375,000	1,125,000	315,308	<b>14,324,722</b>	14,640,030	1.29x
FirstMark Capital Fund V	Jul-20	12,500,000	7,500,000	5,000,000	137,193	<b>10,354,403</b>	10,491,596	1.40x
Stepstone VC Global Partners X	Feb-21	25,000,000	14,508,380	10,500,000	-	<b>15,871,918</b>	15,871,918	1.09x
Redmile Biopharma Investments III, L.P.	Oct-21	20,000,000	6,346,384	13,653,616	-	<b>6,001,402</b>	6,001,402	0.95x
TA Associates XIV	Dec-21	15,000,000	5,700,000	9,300,000	-	<b>5,036,798</b>	5,036,798	0.88x
Warburg Pincus Global Growth 14	Jun-22	25,000,000	2,500,000	22,500,000	-	<b>2,436,998</b>	2,436,998	0.97x
FirstMark Capital VI		12,500,000	-	12,500,000	-	-	-	-
FirstMark Capital Opportunity Fund IV		12,500,000	-	12,500,000	-	-	-	-

## Private Equity - Active Funds

For the Period Ending October 31, 2022

## Cash Flow Activity for 1 Month

Fund Name	Date	Transaction Type	Cash Outflows	Cash Inflows	Net Cash Flows
<b>Total</b>			<b>-5,710,879</b>	<b>2,833,995</b>	<b>-2,876,884</b>
<b>Buyout</b>			<b>-3,926,445</b>	<b>1,477,051</b>	<b>-2,449,394</b>
Thompson Street Capital VI	10/03/2022	Capital Call	-1,632,851	-	
Thompson Street Capital VI	10/03/2022	Capital Call for Fees	-152,500	-	
Francisco Partners VI	10/18/2022	Capital Call for Fees	-114,589	-	
Francisco Partners VI	10/18/2022	Capital Call	-1,925,411	-	
Green Equity Investors VII	10/18/2022	Distribution	-	874,964	
CenterOak Equity Fund I	10/26/2022	Capital Call	-6,094	-	
Jade Equity Investors I	10/27/2022	Distribution	-	602,087	
Francisco Partners Agility II	10/28/2022	Capital Call for Fees	-95,000	-	
<b>Distressed</b>			<b>-1,500,000</b>	<b>210,000</b>	<b>-1,290,000</b>
CarVal Credit Value Fund V	10/13/2022	Capital Call	-1,500,000	-	
Oaktree Opportunities Fund X	10/14/2022	Distribution	-	150,000	
Oaktree Opportunities IX	10/21/2022	Distribution	-	60,000	
<b>Other</b>			<b>-284,434</b>	<b>408,359</b>	<b>123,925</b>
EnCap Energy Fund XI	10/04/2022	Capital Call	-152,273	-	
EnCap Energy Fund XI	10/07/2022	Distribution	-	37,849	
EnCap Energy Fund X	10/12/2022	Distribution	-	239,406	
EnCap Energy Fund XI	10/13/2022	Capital Call	-86,910	-	
EnCap Energy Fund IX	10/17/2022	Distribution	-	131,103	
EnCap Energy Fund XI	10/24/2022	Capital Call	-45,251	-	
<b>Venture Capital</b>			<b>-</b>	<b>738,586</b>	<b>738,586</b>
Weathergage Venture Capital II	10/14/2022	Distribution	-	738,586	



**Private Credit - Active Funds**

For the Period Ending October 31, 2022

**Summary of Cash Flows for 6 Months**

Cash Outflows	Cash Inflows	Net Cash Flows
-18,485,124	12,980,711	-5,504,412

**Summary of Portfolio Inception to Date (Category totals include active and closed funds)**

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
<b>Total</b>	Sep-16	151,100,000	102,142,215	24,520,667	96,648,816	25,604,562	122,253,379	1.20x
<b>Mezzanine</b>	Jan-17	20,000,000	20,319,215	1,140,639	19,531,716	9,247,517	28,779,233	1.42x
Newstone Capital Partners III	Jan-17	20,000,000	20,319,215	1,140,639	19,531,716	9,247,517	28,779,233	1.42x
<b>Other</b>	Sep-16	131,100,000	81,823,000	23,380,028	77,117,100	16,357,045	93,474,146	1.14x
LBC Credit Partners Fund IV	Sep-16	40,000,000	36,000,000	14,488,028	34,594,583	8,639,699	43,234,282	1.20x
Apollo Accord IV	Dec-20	19,000,000	3,515,000	-	4,178,389	-	4,178,389	1.19x
Apollo Accord V	May-22	17,100,000	8,208,000	8,892,000	-	7,717,346	7,717,346	0.94x

**Private Credit - Active Funds**

*For the Period Ending October 31, 2022*

**Cash Flow Activity for 1 Month**

Fund Name	Date	Transaction Type	Cash Outflows	Cash Inflows	Net Cash Flows
<b>Total</b>			<b>-1,852,654</b>	<b>172,746</b>	<b>-1,679,908</b>
<b>Mezzanine</b>			<b>-24,331</b>	<b>172,746</b>	<b>148,415</b>
Newstone Capital Partners III	10/17/2022	Distribution	-	172,746	
Newstone Capital Partners III	10/17/2022	Capital Call	-24,331	-	
<b>Other</b>			<b>-1,828,323</b>	<b>-</b>	<b>-1,828,323</b>
Apollo Accord V	10/06/2022	Capital Call	-1,828,323	-	

## Private Real Estate - Active Funds

For the Period Ending October 31, 2022

### Summary of Cash Flows for 6 Months

Cash Outflows	Cash Inflows	Net Cash Flows
-11,088,839	8,312,045	-2,776,794

### Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
<b>Total</b>	<b>Aug-11</b>	<b>219,300,000</b>	<b>136,925,111</b>	<b>101,545,011</b>	<b>108,429,520</b>	<b>88,558,766</b>	<b>196,988,287</b>	<b>1.44x</b>
<b>Real Estate</b>	<b>Aug-11</b>	<b>219,300,000</b>	<b>136,925,111</b>	<b>101,545,011</b>	<b>108,429,520</b>	<b>88,558,766</b>	<b>196,988,287</b>	<b>1.44x</b>
Siguler Guff Dist. Real Estate Opp.	Aug-11	10,000,000	9,250,000	750,000	13,696,422	<b>2,721,132</b>	16,417,555	1.77x
TA Associates Realty X	Jan-13	20,000,000	20,000,000	-	32,210,910	<b>19,851</b>	32,230,761	1.61x
Cerberus Real Estate Fund III	Jul-13	20,000,000	25,185,319	4,871,659	33,277,450	<b>6,273,785</b>	39,551,235	1.57x
Hall Capital Fund III	Nov-14	7,500,000	7,297,797	202,203	5,517,536	<b>3,717,918</b>	9,235,454	1.27x
Siguler Guff Dist. Real Estate Opp. II	Dec-14	10,000,000	8,715,000	1,285,000	7,951,358	<b>4,801,288</b>	12,752,646	1.46x
Cerberus Institutional Real Estate Partners IV	Jun-16	15,000,000	12,738,859	3,824,590	1,563,559	<b>13,779,817</b>	15,343,376	1.20x
Siguler Guff Dist. Real Estate Opp. II B	Dec-17	10,000,000	8,005,000	1,995,000	1,029,723	<b>9,082,872</b>	10,112,595	1.26x
Angelo Gordon Realty Value Fund X, L.P.	Jun-19	20,000,000	18,000,000	5,774,000	7,377,310	<b>16,796,724</b>	24,174,034	1.34x
Blackstone Real Estate Partners Fund IX, L.P.	Sep-19	18,000,000	17,983,136	3,792,559	5,805,252	<b>20,326,369</b>	26,131,621	1.45x
Starwood Distressed Opportunity Fund XII	Jan-22	40,000,000	8,000,000	32,000,000	-	<b>9,289,010</b>	9,289,010	1.16x
Angelo Gordon Realty Value Fund XI, L.P.	Oct-22	25,000,000	1,750,000	23,250,000	-	<b>1,750,000</b>	1,750,000	1.00x
Blackstone Real Estate Partners Fund X, L.P.		23,800,000	-	23,800,000	-	-	-	-

**Private Real Estate - Active Funds**

*For the Period Ending October 31, 2022*

**Cash Flow Activity for 1 Month**

<b>Fund Name</b>	<b>Date</b>	<b>Transaction Type</b>	<b>Cash Outflows</b>	<b>Cash Inflows</b>	<b>Net Cash Flows</b>
<b>Total</b>			<b>-2,850,000</b>	<b>3,169,476</b>	<b>319,476</b>
<b>Real Estate</b>			<b>-2,850,000</b>	<b>3,169,476</b>	<b>319,476</b>
Angelo Gordon Realty Value Fund XI, L.P.	10/14/2022	Capital Call	-1,750,000	-	
Angelo Gordon Realty Value Fund X, L.P.	10/27/2022	Recallable Distribution	-	1,830,000	
Angelo Gordon Realty Value Fund X, L.P.	10/27/2022	Distribution	-	1,170,000	
Angelo Gordon Realty Value Fund X, L.P.	10/27/2022	Capital Call	-1,100,000	-	
Blackstone Real Estate Partners Fund IX, L.P	10/28/2022	Distribution	-	95,489	
Blackstone Real Estate Partners Fund IX, L.P	10/28/2022	Recallable Distribution	-	73,988	

## Market Overview

For the Periods Ending October 31, 2022

	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	10 Years (%)
<b>Equity Markets - Core</b>							
S&P 500	8.10	2.82	-17.70	-14.61	10.22	10.44	12.79
Russell 1000	8.02	3.04	-18.54	-16.38	9.99	10.19	12.66
Russell 2000	11.01	8.58	-16.86	-18.54	7.05	5.56	9.93
Russell 2500	9.59	6.51	-16.72	-17.58	7.94	7.07	10.70
Russell Mid Cap	8.88	5.13	-17.55	-17.17	7.84	7.95	11.36
<b>Equity Markets - Growth</b>							
Russell 1000 Growth	5.84	2.04	-26.61	-24.60	11.75	12.59	14.69
Russell 2000 Growth	9.49	9.76	-22.57	-26.02	5.11	5.17	10.15
Russell 2500 Growth	8.13	7.99	-23.81	-27.38	6.62	7.41	11.38
Russell Mid Cap Growth	7.86	7.15	-26.06	-28.94	6.27	8.66	11.95
<b>Equity Markets - Value</b>							
Russell 1000 Value	10.25	4.06	-9.32	-7.00	7.31	7.21	10.30
Russell 2000 Value	12.59	7.40	-11.19	-10.73	8.08	5.31	9.37
Russell 2500 Value	10.56	5.58	-12.01	-10.66	7.57	5.77	9.55
Russell Mid Cap Value	9.45	4.05	-12.83	-10.18	7.50	6.49	10.42
<b>International Markets</b>							
MSCI EAFE	5.39	-4.41	-22.81	-22.62	-0.82	0.39	4.61
MSCI EAFE Value	6.46	-4.32	-15.48	-15.80	-1.31	-1.07	3.50
MSCI EAFE Growth	4.33	-4.48	-29.91	-29.35	-0.94	1.44	5.48
MSCI ACWI ex US	3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.75
MSCI Emerging Markets	-3.09	-14.15	-29.15	-30.73	-4.07	-2.73	1.16
<b>Fixed Income</b>							
ICE BofA ML High Yield Cash Pay	2.88	2.18	-12.12	-11.34	0.19	1.90	4.06
Bloomberg US Aggregate	-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.74
FTSE World Govt Bond	-0.52	-8.09	-21.68	-22.23	-7.36	-3.07	-1.75
Bloomberg Universal	-1.10	-5.50	-15.83	-15.79	-3.57	-0.42	1.02

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