



**NCRS Quarterly Update  
2nd Quarter 2023**

STATE TREASURER OF NORTH CAROLINA

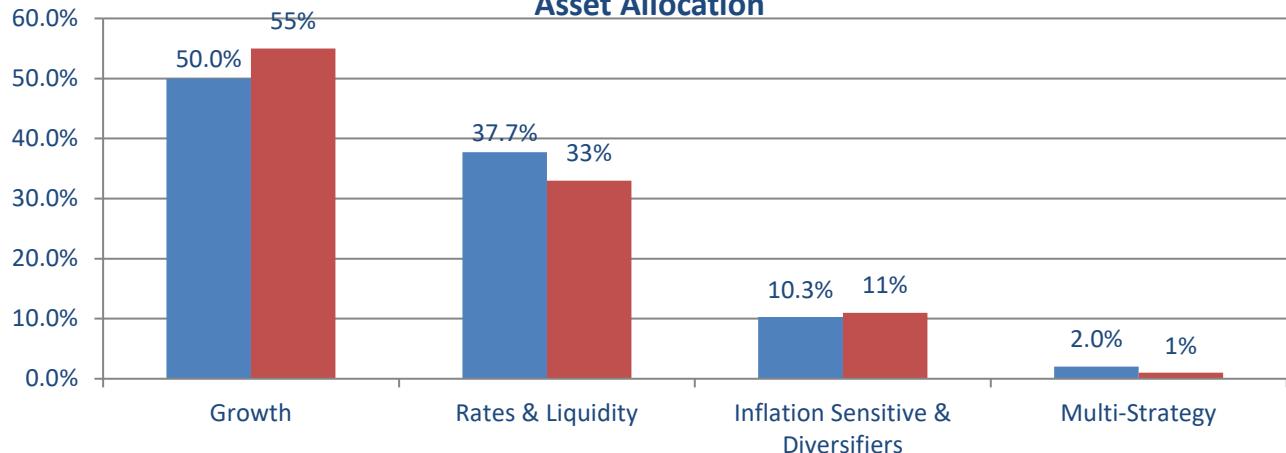
DALE R. FOLWELL, CPA

*Dale R. Folwell, CPA*

**Net of Fee Performance\***  
(expressed in percentages)

	Market Value (\$000)	3M	CAL YTD	1 Yr	3 Yr	5 Yr	10 Yr	15 Yr	20 Yr
<b>Growth Benchmark</b>	<b>57,502,090</b>	<b>4.1</b>	<b>10.1</b>	<b>10.3</b>	<b>10.8</b>	<b>8.2</b>	<b>9.1</b>	<b>7.1</b>	<b>8.0</b>
		<b>4.6</b>	<b>10.0</b>	<b>12.4</b>	<b>11.3</b>	<b>7.9</b>	<b>8.3</b>	<b>6.4</b>	<b>7.5</b>
Public Equity Benchmark	41,901,144	5.4	14.2	16.8	9.7	7.8	9.0	7.2	8.0
		<b>5.9</b>	<b>13.2</b>	<b>16.1</b>	<b>10.9</b>	<b>7.6</b>	<b>8.4</b>	<b>6.7</b>	<b>7.4</b>
Private Equity Benchmark	6,227,382	1.8	0.7	(6.7)	19.4	14.3	12.9	9.2	9.8
		<b>1.3</b>	<b>2.3</b>	<b>(2.6)</b>	<b>18.2</b>	<b>12.3</b>	<b>11.3</b>	<b>9.2</b>	<b>12.2</b>
Non-Core Real Estate Benchmark	2,263,357	(2.5)	(8.0)	(11.4)	5.7	5.4	10.0	3.9	6.9
		<b>(0.2)</b>	<b>(0.8)</b>	<b>(2.4)</b>	<b>8.6</b>	<b>6.2</b>	<b>7.6</b>	<b>2.5</b>	<b>7.2</b>
Opportunistic Fixed Income Benchmark	7,110,207	1.2	3.5	1.9	10.0	5.2	5.1	6.1	-
		<b>2.8</b>	<b>5.1</b>	<b>12.6</b>	<b>8.0</b>	<b>5.1</b>	<b>3.6</b>	<b>2.1</b>	-
<b>Rates &amp; Liquidity Benchmark</b>	<b>43,405,235</b>	<b>(0.1)</b>	<b>2.2</b>	<b>0.5</b>	<b>(2.2)</b>	<b>1.9</b>	<b>2.4</b>	<b>4.0</b>	<b>4.0</b>
		<b>(0.5)</b>	<b>2.8</b>	<b>(0.3)</b>	<b>(4.5)</b>	<b>0.9</b>	<b>2.0</b>	<b>3.5</b>	<b>3.6</b>
IG Fixed Income Benchmark	30,991,661	(0.6)	2.4	(0.6)	(3.8)	1.4	2.2	3.9	3.9
		<b>(0.8)</b>	<b>2.8</b>	<b>(1.1)</b>	<b>(4.9)</b>	<b>0.8</b>	<b>1.9</b>	<b>3.5</b>	<b>3.6</b>
Cash Benchmark	12,413,574	1.0	1.9	3.0	1.2	1.5	1.2	-	-
		<b>1.2</b>	<b>2.3</b>	<b>3.8</b>	<b>1.3</b>	<b>1.5</b>	<b>1.0</b>	-	-
<b>Inflation Sensitive &amp; Diversifiers Benchmark</b>	<b>11,828,513</b>	<b>(0.7)</b>	<b>(0.4)</b>	<b>0.1</b>	<b>8.3</b>	<b>5.3</b>	<b>5.0</b>	<b>2.5</b>	<b>4.4</b>
		<b>(1.3)</b>	<b>(1.6)</b>	<b>(1.9)</b>	<b>7.1</b>	<b>4.4</b>	<b>4.5</b>	<b>1.4</b>	<b>4.0</b>
Inflation Sensitive Benchmark	5,424,146	1.8	5.8	6.9	11.0	5.6	3.7	0.8	3.8
		<b>(0.3)</b>	<b>2.6</b>	<b>2.5</b>	<b>6.8</b>	<b>3.8</b>	<b>2.0</b>	<b>0.9</b>	<b>4.2</b>
Core Real Estate Benchmark	6,404,367	(2.7)	(5.2)	(5.1)	6.1	5.4	6.9	5.2	6.3
		<b>(2.6)</b>	<b>(6.5)</b>	<b>(6.9)</b>	<b>7.3</b>	<b>5.0</b>	<b>7.4</b>	<b>4.9</b>	<b>6.7</b>
<b>Multi-Strategy Benchmark</b>	<b>2,353,420</b>	<b>2.6</b>	<b>5.9</b>	<b>7.9</b>	<b>5.7</b>	<b>2.6</b>	<b>5.0</b>	<b>4.8</b>	-
		<b>1.3</b>	<b>3.4</b>	<b>4.3</b>	<b>2.8</b>	<b>1.6</b>	<b>4.0</b>	<b>3.6</b>	-
<b>Total Pension Plan Benchmark</b>	<b>115,089,258</b>	<b>2.0</b>	<b>5.8</b>	<b>5.3</b>	<b>5.2</b>	<b>5.3</b>	<b>6.3</b>	<b>5.8</b>	<b>6.4</b>
		<b>2.2</b>	<b>6.2</b>	<b>6.5</b>	<b>5.9</b>	<b>5.5</b>	<b>6.0</b>	<b>5.5</b>	<b>6.1</b>

**Asset Allocation**



\*Returns over 1 year are annualized

Note: Data as of June 30, 2023

■ Current % ■ Policy %