

# North Carolina Supplemental Retirement Plans First Quarter Performance Review

May 2012





# Agenda

- Capital Markets Review
- 1<sup>st</sup> Quarter Performance
- Disclaimer

# Capital Markets Review

# Performance Summary: Quarter in Review



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## Macro Environment: Economic Review

### **US GDP Growth**

	Q1 2012 Growth (%)	Contribution to Q1 2012 Growth (%)
Personal Consumption Expenditures	2.9	2.0
Residential Fixed Investment	19.1	0.4
Non-Residential Fixed Investment	(2.1)	(0.2)
Government Consumption	(3.0)	(0.6)
Change in Inventories	-	0.6
Trade Balance	-	(0.0)
GDP		2.2

Source: Bureau of Economic Analysis



#### World Economic Growth (Projections as of April 2012)

- The US economy expanded at an annualized rate of 2.2% in the first quarter. While US growth is enviable relative to much of the developed world, it is modest and below trend and is likely insufficient to trigger a significant improvement in the unemployment rate. Global macroeconomic uncertainty, fiscal policy and household deleveraging are likely to continue to act as constraints on growth.
- Job growth picked up during the first quarter as the economy added an average of 212,000 jobs per month compared to the 164,000 average in the fourth quarter of last year. Additionally, the unemployment rate declined from 8.5% to 8.2%. However, at the current pace of job creation, it will likely take years to restore the economy to full employment.
- The risk of a recession in 2012 is probably low. The probability of a recession is likely higher in 2013 due to the potential fiscal drags of higher taxes and spending cuts.
- The Eurozone debt crisis stabilized further during the quarter as the ECB's LTRO program reduced financial strains and contributed to a drop in sovereign bond yields. However, these measures did not solve the underlying challenges. The Eurozone crisis will probably continue to be the dominant macro risk in 2012.
- Growth in China is likely to slow to 8.2% this year from 9.2% in 2011. It seems likely that policymakers will be able to prevent a hard landing over the short-term, resulting in an orderly slowdown in growth. However, the lack of transparency makes it hard to assess the true extent of the problems.

## Macro Environment: Currencies



Performance of Foreign Currencies versus the US Dollar

Currency Valuation versus US Dollar (Based on Relative PPP)



 The dollar rally that took place in the second half of 2011 came to a halt in the first quarter. Major developed currencies faired well against the dollar, with Japanese yen being the exception. Aside from the Chinese yuan, which was relatively flat, emerging currencies generally appreciated.

- The outlook for the dollar against developed currencies is difficult to predict. The Fed has expressed its intent to keep its target rate at zero through 2014, which should limit foreign inflows seeking yield. However, the ongoing European debt crisis will give the dollar a safe haven appeal.
- The outlook for emerging market currencies is positive over the intermediate-term, as they are experiencing faster economic growth and have lower levels of debt; however, they tend to be correlated to other risky assets and could suffer in the event of a renewed downturn.

# Asset Class: US Equities – Style, Sector, Cap Performance



**Style and Capitalization Market Performance** 

### Sector Performance



### **Broad Market**

 Domestic equity markets rose sharply during the first quarter with the Russell 3000 index gaining 12.9%. For the 12-month period ended March 2012, the Russell 3000 returned 7.2%.

### **Market Cap**

- Large Caps: The S&P 500 gained 12.6% during the first quarter. Large caps marginally outperformed small caps and slightly trailed mid caps. Over the last 12 months, large caps outperformed small caps by 870 basis points.
- Mid Caps: The Russell Midcap index rose 12.9% for the quarter.
- Small Caps: The Russell 2000 index returned 12.4% during the quarter, but declined 0.2% over the last 12 months.

### Style

 Value vs. Growth: Growth stocks outperformed value stocks across all capitalization segments in the first quarter. Although financial stocks posted strong gains, energy stocks and utility stocks lagged, weighing on value indexes.

### Sector

- Technology, financial and the consumer discretionary sectors led markets in the first quarter, while the utilities, telecommunication services, energy, and consumer staples sectors lagged.
- Over the last 12 months, energy, financial and material stocks declined, while the technology, consumer staples, consumer discretionary and health care sectors posted strong gains.

## Asset Class: US Equities – Valuation Review



S&P500 – P/E Ratio





 Based on current earnings measures, the S&P 500 looked fairly attractive at quarter-end. It traded at 15x trailing twelve-month earnings and just 13x forward operating earnings.

- Cheap borrowing costs, low tax rates and high productivity have pushed profitability to near record highs. At quarter-end, profit margins on the S&P 500 stood at 8.8% vs. a historical average of 5.8%.
- While high unemployment is likely to keep a lid on labor costs in the near-term, boosting profitability, profit margins are unlikely to stay at an elevated level over a full economic cycle.
- Based on normalized earnings<sup>1</sup>, which assume profit margins decline, the P/E ratio on the S&P 500 stood at 21 at the end of March, which is above the historical median of 16 (since 1956). Using Shiller's<sup>1</sup> methodology, it finished the quarter at a P/E of 22, an 18% premium relative to its median since 1956. Based on these normalized measures, the S&P 500 looks slightly expensive.
- While domestic equities were not particularly attractive in absolute terms, with real interest rates at ultra-low levels, equities offered a compelling prospective risk premium relative to Treasuries.

1) Definitions:

Shiller's P/E= Current S&P 500 price/average 10-year real earnings Normalized P/E= Current S&P 500 price/(current trailing twelve month sales \* 6.6% profit margin Equity Risk Premium= Earnings yield (1/PE) minus the real yield on long-term Treasuries

## Asset Class: International Equities – Performance Review



### International Equity Performance

### **Developed Country Performance**



#### **Emerging Market Performance**



- International equities rallied during the quarter. The MSCI ACWIex US index gained 11.2% in the first quarter, but declined 7.2% over the last year.
- International small cap stocks outperformed international large cap stocks during the first quarter, but trailed over the last 12 months.

 International developed markets posted strong gains for the quarter, but still trailed domestic stocks. The MSCI EAFE index returned 10.9%, trailing the S&P 500 by 180 basis points. European stocks rose 10.7% and Japanese stocks jumped 11.3%.

• Emerging market (EM) stocks outperformed developed stocks as markets rallied. EM stocks returned 14.1% for the quarter, but declined 8.8% over the last year.

## Asset Class: International Equities – Valuation Review



Global Valuations

Valuation of MSCI Emerging Markets to MSCI World (Based on Average of P/E, P/B and P/CF)



- International equities traded at fairly attractive valuations in absolute terms and relative to the US at quarter-end, but macro risk remained elevated overseas as the European debt crisis remains unresolved.
- European stocks traded at a normalized P/E of just 12. While the ECB programs reduced short-term left-tail risks by providing the financial system with unlimited liquidity, the problems of excess debt and uncompetitive economies in the periphery will not be resolved quickly. The debt crisis is likely to continue to be the key driver of performance in Europe. Additionally, the Eurozone is likely to experience a recession in 2012, which will weigh on profits. However, cheaper valuations in Europe seemed to compensate investors for these higher risks.
- Last March's natural disaster sent Japanese earnings spiraling downward, causing the trailing P/E to spike to 32. Assuming profitability can return to pre-crisis levels, Japan looks reasonably attractive at a normalized P/E of 11. While a massive debt burden and poor demographics are structural headwinds, Japanese stocks trade at just 1.1x book value.
- Valuations on emerging markets looked attractive in both absolute and relative terms even though they outperformed during the quarter. They traded at a normalized P/E of 14 at the end of March and remained at a sizable discount to the developed world on most measures. Additionally, the structural case for EM outperformance (growth potential, attractive demographics, and better financial management) remains strong.

## Asset Class: Fixed Income – Interest Rates and Yield Curve



Treasury Yield Curve

### Bond Performance by Duration



Interest rates rose in the first quarter as the yield on the 10-year Treasury rose from 1.9% to 2.2%. The increase was driven by larger inflation breakeven rates as real yields declined slightly. The inflation breakeven rate on 10-year Treasuries rose from 2.0% to 2.3%. The real yield on 10-year TIPS fell from -0.07% to -0.09%. The 30-year Treasury yield rose by 46 basis points to 3.35%.

- Treasuries declined during the quarter as bond yields rose, with long-duration bonds experiencing the largest losses.
- The Barclays Long Treasury index fell 5.8% in the quarter, but rose 23.6% over the last 12 months. The Barclays Long Corporate index returned 0.3% for the quarter as credit spreads narrowed.
- The **Barclays Intermediate Treasury** index declined 0.5% in the first quarter, but is up 6.1% over the last year.
- Short-Duration Treasuries (Barclays 1-3 Year Treasury index) declined slightly during the quarter.
- TIPS managed to post a gain during the quarter as real yields declined and inflation breakeven rates rose. The Barclays TIPS index gained 0.9%, outperforming nominal Treasuries by 220 basis points.

## Asset Class: Fixed Income – Credit and Non-US Bonds



#### Credit Spreads





- Credit spreads narrowed during the quarter. The credit spread on high yield bonds fell by 130 basis points to 6.0%.
- For the quarter, credit outperformed Treasuries as spreads tightened.

- US High Yield: HY bonds returned 5.3% for the quarter as the yield on junk bonds fell from 8.7% to 7.7%.
- US CMBS and MBS: The Barclays CMBS and MBS indexes rose 3.5% and 0.6%, respectively, in the first quarter The MBS index gained 6.2% over the last 12 months.
- US TIPS and Treasuries: The Barclays Treasury index declined 1.3% for the quarter, while TIPS rose 0.9%
- U.S. Credit: The Barclays Corporate index gained 2.1% during the first quarter. The option-adjusted spread on financial bonds remained above historical averages, while the spread on nonfinancial debt narrowed to historical averages.
- Global Bonds: The Citigroup World Government Bond index declined by 0.5% for the quarter, but rose 5.1% over the last 12 months.
- Local Currency EMD: Local currency EMD rose 8.3% during the first quarter as EM currencies appreciated against the dollar.

## Asset Class: Alternatives – Performance Review



Real Asset Performance

- REITs posted strong gains during the first quarter. US REITs rose 10.5%, while global REITs posted a 12.9% gain.
- Commodities: Energy prices rose sharply during the quarter, pushing the S&P GSCI to a 5.9% gain. The DJ-UBS Commodity index, which has a lower weighting to energy, rose a more muted 0.9%. Natural resource stocks returned 4.2%.

- 3.4 HFRI FOF Composite Quarter -3.4 2.3 1 Year **HFRI FOF: Conservative** -2.4 3.2 HFRI FOF: Diversified 4.5 **HFRI FOF: Strategic** 4.9 **HFRI Fund Weighted Composite** -2.2 7.3 HFRI Equity Hedge (Total) HFRI Event-Driven (Total) -2.3 HFRI ED: Distressed/Restructuring -1.1 HFRI Relative Value (Total) 20 HFRI Macro (Total) -10 -5 5 10 Returns (%) Source: HFR
- Hedge funds lagged equities, but outperformed bonds in the first quarter. The HFRI Fund of Funds Composite index returned 3.4%, while the S&P 500 increased 12.6% and the Barclays Aggregate index rose 0.3%. Over the last 12 months, hedge funds have trailed both the S&P 500 and the Barclays Aggregate.

### Hedge Fund Performance

# 1<sup>st</sup> Quarter Performance

# Updates

# Plan / Fund Structure:

- Arrowstreet was added to the Global Equity Fund during the first quarter of 2012

# **Investment Managers:**

- Robeco: There have been rumors in the press regarding a possible sale of Robeco by its parent Rabobank.
  - Mercer confirmed that Rabobank, the owner of Robeco (which in turn owns RIM), is planning to divest itself of Robeco. He said that the sale was necessitated by an increasingly onerous regulatory environment for European banks, and in particular for banks with investment management subsidiaries. Rabobank is a mutual cooperative bank (i.e., comprising many local banks) so its ability to access capital markets is limited. The sale of Robeco will give Rabobank funds to shore up its capital position.
  - Given the uncertainty surrounding the potential sale of Robeco by Rabobank, Mercer's researchers have proposed the addition of a Watch designation.
  - At this stage, Mercer does not believe the risks are sufficiently high to warrant assigning a Provisional status to any Robeco strategies. Robeco has told us that they will inform us promptly when they are allowed to disclose more information on this issue. We will revisit our view once more detail on a possible sale has been made available to us.

## Fund Review Fund Performance as of March 31, 2012

									Inception		n	Comments
News	Market	(0/)	0 M a	Develo	4	Daula	2 //	Daula	Detum	Daula	0:	
Name Large Cap Passive	Value (\$m) \$1,006.3	(%) 15.1%	3 Mo 12.6%	Rank	1 Yr 8.5%	Rank	3 Yrs 23.3%	Rank	Return 23.3%	Rank	Since Mar-09	December treated its index
S&P 500	\$1,000.3	13.1%	12.6%		<b>8</b> .5%		23.4%		23.4%		Mar-09	Reasonably tracked its index
Large Cap Value	\$692.3	10.4%	13.4%	20	5.2%	34	<b>20.1%</b>	<b>66</b>	<b>20.</b> 1%	66	Mar-09	Longer term underperofrmance
Russell 1000 Value			11.1%	71	4.8%	39	22.8%	16	22.8%	16	Mar-09	was addressed by the addition of Robeco.
Large Cap Growth	\$706.5	10.6%	19.9%	11	<b>10.4%</b>	31	30.4%	4	30.4%	4	Mar-09	Wellington has detracted value
Russell 1000 Growth			14.7%	77	11.0%	24	25.3%	17	25.3%	17	Mar-09	over longer time periods.
Mid/Small Cap Passive	\$329.6	4.9%	13.1%		1.4%		28.3%		28.3%		Mar-09	Closely tracked its index over
Russell 2500			13.0%		1.3%		28.4%		28.4%		Mar-09	time periods measured.
Mid/Small Cap Value	\$217.0	3.3%	16.3%	8	4.4%	9	32.9%	14	32.9%	14	Mar-09	The new manager, WEDGE,
Russell 2500 Value			11.5%	62	0.1%	51	27.1%	55	27.1%	55	Mar-09	had a strong initial quarter.
Mid/Small Cap Growth	\$130.0	2.0%	12.8%	74	4.5%	23	26.4%	66	26.4%	66	Mar-09	
Russell 2500 Growth			14.6%	45	2.7%	37	29.9%	22	29.9%	22	Mar-09	The larger cap bias has hurt recent peformance.
International Passive	\$256.4	3.8%	11.2%		-4.7%	-	20.1%		20.1%		Mar-09	Tracking error over the one-year
MSCI ACWI ex USA Gross			11.3%		-6.7%		19.6%		19.6%		Mar-09	period has been slightly high.
International Equity	\$409.1	6.1%	10.8%	77	-1.8%	17	19.3%	39	19.3%	39	Mar-09	Mondrian has underperformed a
MSCI ACWI ex USA Gross			11.3%	68	-6.7%	60	19.6%	36	19.6%	36	Mar-09	bit more than Baillie Gifford has outperformed.
Global Equity	\$147.4	2.2%	13.5%	40	0.3%	38	<b>18.9%</b>	72	<b>18.9%</b>	72	Mar-09	New manager, Arrowstreet was
MSCI ACWI Gross			12.0%	56	-0.2%	44	21.4%	43	21.4%	43	Mar-09	added during the first quarter.
Fixed Income Passive Fund	\$210.0	3.2%	0.3%		7.5%				4.3%		Sep-10	Tracked the performance of the
Barclays Capital Aggregate			0.3%		7.7%		6.8%		4.5%		Sep-10	benchmark.
Fixed Income Fund	\$454.3	6.8%	2.0%	33	6.5%	48	7.9%	57	7.9%	57	Mar-09	One-year performance of the
Barclays Capital Aggregate			0.3%		7.7%		6.8%		7.1%		Mar-09	fund is held back by PIMCO's weak third quarter returns.
Stable Value Fund	\$2,106.3	31.6%	0.7%	21	3.0%	35			3.6%	33	Jun-09	Galliard added additional
T-BILLS + 1%			0.3%	99	1.0%	99	1.1%	99	1.1%	99	Jun-09	diversification to both the management and wraps of the fund.

# Fund Review Manager Performance as of March 31, 2012

<b>C</b>											Inception			Comments	
	Market Value	(6.1)				<b>.</b> .				<b>.</b> .			<u> </u>	-	
Name	(\$m)	(%)	3 Mo	Rank	1 Yr	Rank			5 Yrs				Since		
NCSRP BlackRock Equity Index	\$1,006.3	15.1%	12.6%	-	8.6%		23.6%		-		23.6%		Mar-09	Reasonably tracked its index	
BlackRock Equity Index Strategy			12.6%		8.6%		23.6%		2.1%		23.6%		Mar-09	over all time periods.	
S&P 500			12.6%		8.5%		23.4%		2.0%		23.4%		Mar-09		
NCSRP Hotchkis & Wiley Large Cap Value	\$232.4	3.5%	15.0%	7	5.9%	43	28.1%	4	-	-	28.1%	4	Mar-09	Hotchkis's overweight allocation	
Hotchkis & Wiley Large Cap Value Strategy			14.8%	8	5.6%	45	<b>28.1%</b>	4	<b>-2.4%</b>	<b>96</b>	<b>28.1%</b>	4	Mar-09	to financials led to its	
Russell 1000 Value			11.1%	69	4.8%	57	22.8%	40	-0.8%	85	22.8%	40	Mar-09	outperformance.	
NCSRP Wellington Value Composite	\$226.6	3.4%	10.7%	72	4.2%	64	12.3%	99	-		12.3%	99	Mar-09		
NCSRP Wellington Quality Value	·		10.7%	72	4.2%	64			-				Jul-10	Only slightly behind the index in	
Wellington Quality Value Strategy			10.7%	72	4.7%	59	22.2%	53	3.8%	11	22.2%	53	Mar-09	a challanging environment for	
Russell 1000 Value			11.1%	69	4.8%	57	22.8%	40	-0.8%	85	22.8%	40	Mar-09	manager.	
NCSRP Robeco BP Large Cap Value	\$233.3	3.5%	14.9%	8					-		16.6%	5	Nov-11		
Robeco BP Large Cap Value Strategy	,		14.7%	9	8.3%	20	24.0%	23	3.2%	15	16.4%	6	Nov-11	Had a strong initial quarter.	
Russell 1000 Value			11.1%	69	4.8%	57	22.8%		-0.8%	85	13.4%	49	Nov-11		
NCSRP Sands Capital Large Cap Growth	\$247.8	3.7%	24.6%	1	22.6%	1	39.0%	1	-		39.0%	1	Mar-09		
Sands Capital Large Cap Growth Strategy	Ψ247.0	0.170	24.5%	1	22.6%	1	38.8%	1	11.1%	1	38.8%	1	Mar-09	Sands continues to post very	
Russell 1000 Growth			14.7%	71	11.0%	27	25.3%		5.1%	39	25.3%	29	Mar-09	strong results.	
NCSRP Wellington Opportunistic Growth	\$229.6	3.4%	19.7%	8	1.6%	93	24.4%	40	-	-	24.4%	40	Mar-09		
Wellington Opportunistic Growth Strategy	\$229.0	3.4%	19.7%	о 8	1.6%	93 94	24.4% 24.3%		5.0%	44	24.4%	40 41	Mar-09 Mar-09		
Russell 1000 Growth			14.7%	<b>o</b> 71	11.0%	94 27	<b>24.3%</b> 25.3%	29	5.1%	<b>44</b> 39	25.3%	29	Mar-09	Smaller cap biased has hurt for	
Russell 3000 Growth			14.7%	72	10.1%	36	25.5%	23	5.0%	42	25.5% 25.5%	23	Mar-09	the trailing year.	
								21							
NCSRP Neuberger Large Cap Growth	\$229.1	3.4%	15.7%	54			-		-	-	14.4%	60	Oct-11		
Neuberger Large Cap Growth Strategy			15.8%	52	4.7%	81	20.1%	88	5.8%	27	13.4%	75	Oct-11	Strong initial quarter	
Russell 1000 Growth			14.7%	71	11.0%	27	25.3%	29	5.1%	39	14.3%	61	Oct-11		
NCSRP BlackRock Russell 2500 Index Fund	\$329.6	4.9%	13.1%		1.5%		28.6%		-		28.6%		Mar-09	Closely tracked its index over	
BlackRock Russell 2500 Index Fund Strategy			13.1%	-	1.5%	-	28.6%		-		28.6%		Mar-09	time periods measured.	
Russell 2500			13.0%		1.3%		28.4%		3.0%		28.4%		Mar-09	time pendus measured.	
NCSRP Hotchkis & Wiley	\$76.5	1.1%	23.0%	1	6.3%	5	37.5%	7	-		37.5%	7	Mar-09	<b>E</b>	
Hotchkis & Wiley Value Strategy			23.1%	1	5.9%	6	37.9%	6	2.9%	<b>62</b>	37.9%	6	Mar-09	Financial overweight drove	
Hotchkis Custom SMID Value Index			11.5%	52	0.9%	54	28.6%	43	1.0%	94	28.6%	43	Mar-09	recent outperformance.	
NCSRP Earnest Partners	\$70.3	1.1%	13.2%	37	2.3%	31	26.6%	70	-		26.6%	70	Mar-09		
Earnest Partners Value Strategy			9.0%	81	<b>1.9%</b>	37	26.6%	70	3.1%	58	26.6%	70	Mar-09	A bias to larger cap names	
Earnest Custom SMID Value Index			11.5%	52	-1.1%	72	25.3%	74	0.0%	96	25.3%	74	Mar-09	added to recent outperformance.	
NCSRP WEDGE SMID Cap Value	\$70.2	1.1%	13.2%	36					-		13.2%	33	Dec-11		
WEDGE SMID Cap Value Strategy			13.4%	34	2.7%	26	30.0%	31	3.8%	44	13.4%	30	Dec-11	Strong initial guarter	
Russell 2500 Value			11.5%	52	0.1%	58	27.1%	65	1.0%	94	11.5%	50	Dec-11	Strong miliai quarter	

# Fund Review Manager Performance as of March 31, 2012

											Inception		on	Comments	
N	Market Value	(0/)	0 M -	Daula	4. 1/-	Daula	0 V	Daula	<b>5</b> Mar	Daula	Determ	Deals	0		
Name NCSRP TimesSquare	(\$m) \$63.7	<u>(%)</u> 1.0%	3 Mo 13.5%	Rank 77	1 Yr 8.2%	Rank 18	3 Yrs 26.0%	Rank 82	5 Yrs	Rank	Return 26.0%	Rank 82	Since Mar-09		
TimesSquare SMID Growth	φ03. <i>1</i>	1.0 /0	13.5%	77	0.2 /0		20.0 /6	02			20.0 /0		Jul-11	Quality bias hurt recent	
TimesSquare Growth Strategy			13.7%	73	7.6%	23	30.4%	39	9.4%	22	30.4%	39	Mar-09	performance	
TimesSquare Custom SMID Growth Index			14.6%	51	4.0%	42	29.0%	56	4.3%	73	29.0%	56	Mar-09	performance	
NCSRP Brown Advisory	\$66.3	1.0%	12.6%	88	3.2%	49	29.1%	56			29.1%	56	Mar-09	Quality bing bout a cast	
Brown Advisory Growth Strategy			12.7%	88	2.7%	53	28.9%	56	7.3%	46	28.9%	56	Mar-09	Quality bias hurt recent performance	
Brown Custom SMID Growth Index			14.6%	51	1.7%	56	28.8%	57	4.4%	73	28.8%	57	Mar-09	performance	
NCSRP BlackRock ACWI ex US Fund	\$256.4	3.8%	11.3%		-6.0%		19.8%				19.8%		Mar-09	Tracking error over the one-year	
BlackRock ACWI ex US Fund Strategy			11.3%		-6.0%		19.8%		-1.1%		19.8%		Mar-09	period has been slightly high.	
MSCI ACWI ex USA Gross			11.3%		-6.7%		19.6%		-1.1%		19.6%		Mar-09	penoù has been slightly high.	
NCSRP Baillie Gifford ACWI ex US Growth	\$213.3	3.2%	13.7%	24	-1.2%	17	24.1%	11	-	-	24.1%	11	Mar-09		
Baillie Gifford ACWI ex US Growth Strategy			13.6%	25	-1.0%	14	24.3%	11	3.4%	6	24.3%	11	Mar-09	Performed strongly over all time	
MSCI ACWI ex USA Gross			11.3%	68	-6.7%	60	19.6%	36	-1.1%	31	19.6%	36	Mar-09	periods measured.	
MSCI AC WId ex US Growth Gross			11.8%	57	-5.9%	66	19.2%	54	-0.5%	36	19.2%	54	Mar-09		
NCSRP Mondrian ACWI ex US Value	\$195.8	2.9%	8.3%	96	-0.2%	11	17.0%	81			1 <b>7.0%</b>	81	Mar-09		
Mondrian ACWI ex US Value Strategy			8.4%	96	-0.6%	12	17.2%	78	-1.4%	49	17.2%	78	Mar-09	Quality and value bias hurt returns.	
MSCI ACWI ex USA Gross			11.3%	68	-6.7%	60	19.6%	36	-1.1%	31	19.6%	36	Mar-09		
MSCI AC WId Ex US Value Gross			10.8%	76	-7.5%	79	20.1%	44	-1.8%	58	20.1%	44	Mar-09		
NCSRP Wellington Global Composite	\$73.8	1.1%	13.8%	32	1.2%	39	19.6%	62			19.6%	62	Mar-09	Has performed well over recent	
NCSRP Wellington Global Opportunities			13.8% 13.9%	32 31	1.2% 1.0%	39 43	 23.0%	 28	 3.8%	 12	 23.0%	 28	Jun-10 Mar-09	periods though three-year	
Wellington Global Opportunities Strategy MSCI ACWI Gross			12.0%	57	-0.2%	<b>43</b> 52	21.4%	<b>20</b> 42	0.3%	55	21.4%	<b>20</b> 42	Mar-09	performance was not as strong.	
	A=0 =			-		-		42							
NCSRP Arrowstreet Global Equity ACWI	\$73.5	1.1%											Mar-12	Manager was added to the plan	
Arrowstreet Global Equity ACWI MSCI ACWI Gross			<b>13.2%</b> 12.0%	<b>40</b> 57	<b>1.2%</b> -0.2%	<b>39</b> 52	<b>25.2%</b> 21.4%	<b>14</b> 42	<b>2.5%</b> 0.3%	<b>24</b> 55			Mar-12 Mar-12	during the quarter	
				-		-		42	0.3%					3	
NCSRP BlackRock Debt Index Fund	\$210.0	3.2%	0.3%		7.7%						4.5%		Sep-10	Tracked the performance of the	
BlackRock Debt Index Fund Strategy			0.3%		7.7%		<b>6.9%</b> 6.8%		<b>6.3%</b>		4.3%		Sep-10	benchmark.	
Barclays Capital Aggregate			0.3%		7.7%				6.2%		4.3%		Sep-10		
NCSRP JP Morgan Core Bond	\$231.1	3.5%	1.1%	63	8.6%	22	8.1%	73			8.1%	73	Mar-09	Performed strongly over longer	
JP Morgan Core Bond Strategy			1.0%	<b>67</b>	8.1%	45	8.4%	<b>66</b>	7.5%	26	8.4%	<b>66</b>	Mar-09	periods measured.	
Barclays Capital Aggregate			0.3%	91	7.7%	65	6.8%	93	6.2%	81	7.4%	93	Mar-09		
NCSRP PIMCO Total Return Full Authority	\$223.2	3.3%	2.9%	10	6.0%	98	9.4%	45			9.4%	45	Mar-09	One year results hurt by third	
PIMCO Total Return Full Authority Strategy			2.8%	11	6.4%	96	10.0%	36	8.5%	8	10.0%	36	Mar-09	au artar 2011 un darmarfarmana	
Barclays Capital Aggregate			0.3%	91	7.7%	65	6.8%	93	6.2%	81	7.4%	93	Mar-09	quarter 2011 underpenofinance	

## GoalMaker Funds Performance as of March 31, 2012

Name	3 Mo	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank	Name	3 Mo	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank
Conservative 0-5 Yrs	3.8%	89	4.4%	39					Moderate 0-5 Yrs	5.6%	78	4.2%	48				
Conservative 0-5 Yrs Benchmark	3.1%	91	3.6%	65	8.4%	93	3.6%	20	Moderate 0-5 Yrs Benchmark	5.0%	85	3.2%	67	11.6%	91	3.3%	30
Conservative 6-10 Yrs	5.0%	90	4.3%	37					Moderate 6-10 Yrs	7.1%	65	4.3%	37				
Conservative 6-10 Yrs Benchmark	4.3%	96	3.3%	58	10.3%	98	3.4%	9	Moderate 6-10 Yrs Benchmark	6.3%	81	3.4%	57	14.2%	93	3.3%	10
Conservative 11-15 Yrs	7.1%	97	4.3%	27					Moderate 11-15 Yrs	8.8%	68	3.8%	44				
Conservative 11-15 Yrs Benchmark	6.3%	99	3.4%	56	14.2%	99	3.3%	7	Moderate 11-15 Yrs Benchmark	8.0%	88	2.9%	67	16.8%	99	2.9%	18
Conservative 16+ Yrs	9.4%	63	3.8%	27					Moderate 16+ Yrs	11.2%	11	3.0%	51				
Conservative +16 Yrs Benchmark	8.6%	78	2.7%	54	17.8%	94	2.7%	9	Moderate +16 Yrs Benchmark	10.5%	32	1.8%	71	20.6%	26	2.0%	38

Name	3 Mo	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank
Aggressive 0-5 Yrs	7.5%	33	4.2%	47				
Aggressive 0-5 Yrs Benchmark	6.7%	59	3.4%	65	14.7%	75	3.3%	31
Aggressive 6-10 Yrs	8.8%	25	3.8%	54			-	1
Aggressive 6-10 Yrs Benchmark	8.0%	45	2.9%	73	16.8%	64	2.9%	24
Aggressive 11-15 Yrs	<b>10.7%</b>	6	3.3%	57				1
Aggressive 11-15 Yrs Benchmark	9.9%	25	2.1%	73	19.8%	30	2.3%	41
Aggressive 16+ Yrs	13.1%	1	2.3%	67				
Aggressive +16 Yrs Benchmark	12.3%	1	0.9%	89	23.6%	1	1.3%	52

• The Target Date options outperformed their benchmarks across all funds for all time periods evaluated ended March 31, 2012.

# Fee Review

Funds and Sub-Advisors	Assets	Inv. Mgt Fee	Other Inv. Exp*	R/K Fee	NC Budget**	Total Estimated Expense	Mercer Median Exp	Difference
North Carolina Stable Value Fund	\$2,106,327,097	0.320%	0.000%	0.105%	0.025%	0.450%		
Galliard	\$2,106,327,097	0.320%						
North Carolina Fixed Income Passive Fund	\$209,990,605	0.070%	0.055%	0.105%	0.025%	0.255%	0.20%	0.06%
BlackRock	\$209,990,605	0.070%	0.055%				0.05%	0.02%
North Carolina Fixed Income Fund	\$454,302,486	0.220%	0.064%	0.105%	0.025%	0.414%	0.55%	-0.14%
50% JP Morgan	\$231,148,706	0.190%	0.055%				0.23%	-0.04%
50% PIMCO	\$223,153,780	0.250%	0.073%				0.23%	0.02%
North Carolina Large Cap Passive Fund	\$1,006,343,894	0.025%	0.055%	0.105%	0.025%	0.210%	0.20%	0.01%
BlackRock	\$1,006,343,894	0.025%	0.055%				0.04%	-0.01%
North Carolina Large Cap Value Fund	\$692,316,024	0.383%	0.072%	0.105%	0.025%	0.586%	0.77%	-0.18%
33.3% Hotchkis & Wiley	\$232,432,013	0.500%	0.072%				0.44%	0.06%
33.3% Wellington Management Company	\$226,590,597	0.290%	0.073%				0.44%	-0.15%
33.3% Robeco BP	\$233,293,415	0.360%	0.072%				0.44%	-0.08%
North Carolina Large Cap Growth Fund	\$706,526,096	0.378%	0.073%	0.105%	0.025%	0.580%	0.89%	-0.30%
33.3% Sands Capital Management	\$247,829,698	0.508%	0.072%				0.46%	0.05%
33.3% Wellington Management Company	\$229,561,194	0.350%	0.073%				0.47%	-0.12%
33.3% Neuberger Berman	\$229,135,205	0.275%	0.073%				0.47%	-0.20%
North Carolina SMID Cap Passive Fund	\$329,598,870	0.050%	0.055%	0.105%	0.025%	0.235%	0.30%	-0.07%
BlackRock	\$329,598,870	0.050%	0.055%				0.05%	0.00%
North Carolina SMID Value Fund	\$217,024,517	0.649%	0.072%	0.105%	0.025%	0.851%	0.99%	-0.14%
33.3% Hotchkis & Wiley	\$76,474,744	0.613%	0.072%				0.82%	-0.20%
33.3% Earnest Partners	\$70,336,562	0.532%	0.072%				0.82%	-0.29%
33.3% WEDGE	\$70,213,211	0.800%	0.072%				0.85%	-0.05%
North Carolina SMID Growth Fund	\$129,974,114	0.755%	0.072%	0.105%	0.025%	0.957%	1.06%	-0.10%
50% TimesSquare Capital Management	\$63,709,183	0.937%	0.072%				0.83%	0.11%
50% Brown Advisory	\$66,264,931	0.573%	0.072%				0.83%	-0.25%
North Carolina International Passive Fund	\$256,438,335	0.140%	0.055%	0.105%	0.025%	0.325%	0.50%	-0.18%
BlackRock	\$256,438,335	0.140%	0.055%				0.10%	0.04%
North Carolina International Fund	\$409,058,803	0.487%	0.122%	0.105%	0.025%	0.739%	1.05%	-0.31%
50% Baillie Gifford	\$213,250,802	0.466%	0.123%				0.59%	-0.13%
50% Mondrian Investment Partners	\$195,808,001	0.509%	0.121%				0.57%	-0.06%
North Carolina Global Equity Fund	\$147,371,835	0.626%	0.093%	0.105%	0.025%	0.849%	1.07%	-0.22%
50% Wellington Management Company	\$73,839,519	0.500%	0.093%				0.63%	-0.13%
50% Arrowstreet	\$73,532,316	0.752%	0.093%				0.63%	0.12%
Total	\$6,665,272,676	0.289%	0.048%	0.105%	0.025%	0.467%	0.618%	

\*This includes the ongoing administration, legal, accounting, auditing, custody, NAV calculation, reporting, compliance, and other miscellaneous fund expenses associated with the separate account.

\*\*The cost of the budget associated with the management of the Supplemental Retirement Plans will be converted and calibrated into basis points and borne

by each investment option in proportion to the pro rate share of the applicable assets in that fund.

## Fee Review

## 401(k) Plan Stable Value Fund

Benefit Responsive Wrap Fees	
Great West Life	0.15%
Prudential	0.17%
MetLife	0.20%
United of Omaha	<u>0.25%</u>
Weighted Average Wrap Fee	0.16%

## **Investment Management Fees**

0.15%
0.06%
0.05%
<u>0.22%</u>
0.08%

Galliard Oversight & Management 0.07%

	Total Management & Wrap	0.32%
Admin Fee		0.13%

0.45%

## **Total Fees**

## 457 Plan Stable Value Fund

## Benefit Responsive Wrap Fees

Weighted Average Wrap Fee	0.16%
United of Omaha	<u>0.25%</u>
MetLife	0.20%
Prudential	0.17%
Great West Life	0.15%

## **Investment Management Fees**

Payden & Rygel	0.15%
Prudential	0.06%
Great West Life	0.05%
PIMCO	<u>0.22%</u>
Weighted Average Management Fee	0.08%

Galliard Oversight & Management 0.07%

Total Management & Wrap 0.32%

Admin Fee	0.13%
Total Fees	0.45%

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