2013 Defined Contribution Benchmarking Results For North Carolina Retirement Systems



Thank you

This free report is our 'thank you' for completing CEM's annual DC plan cost and performance survey. It summarizes your plan's overall return and cost performance compared to the U.S. universe.

We recommend that you upgrade to CEM's more comprehensive peerbased BenchmarkDC report. The BenchmarkDC report is designed to provide plan fiduciaries with documented evidence on the reasonableness of plan expenses, as is required by ERISA 408(b)(2). See page 16 for more details.

If you have any questions about your results or would like more information, contact Jonathan Epstein by phone at: 312-399-1058 (direct) or 416-369-0568 (main number) or by email at Jonathan@cembenchmarking.com.

About CEM Benchmarking

CEM has been measuring the investment performance and costs of DC and DB pension plans worldwide since 1991.

- CEM currently serves over 350 blue-chip corporate and government clients worldwide. Clients include 30 of the Fortune 100 corporations and over 20 state-level pension systems
- CEM's DC database has 146 U.S. participants representing 7.5 million plan members and \$0.9 trillion in plan assets
- CEM's DB database has 331 funds representing over \$7.0 trillion in plan assets
- CEM's performance databases have been used in award winning research on plan costs, performance and characteristics of top performing plans

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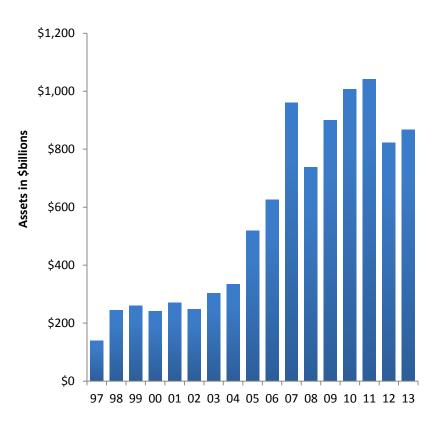
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The benchmarking universe

In this free report, your costs and performance are compared to the 2013 CEM U.S. defined contribution benchmarking universe. It is comprised of 146 defined contribution plans with aggregate assets of \$866 billion. 123 are corporate plans, 23 are public or other.

CEM has benchmarked the performance of defined contribution plans since 1997.

U.S. defined contribution universe: Total participating assets



Plan assets

Your plan had \$8.4 billion total plan assets at the end of 2013. This was above the U.S. universe median of \$3.6 billion.

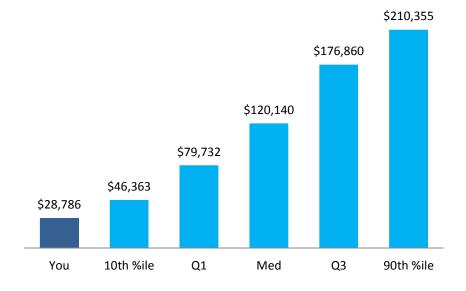
2013 Total plan assets in \$ billions

Average account balance

The average account balance of participants in your plan was \$28,786 in 2013. This was below the U.S. universe median of \$120,140. Differences in average account balance reflect differences in:

- Employer and employee contribution rates
- Long-term plan success (returns, cost effectiveness, investment option asset mix)
- Plan design and participant education because they impact both of the above
- Education and communication
- Whether the DC plan is the primary or supplemental retirement savings vehicle for participants
- Participant demographics including age, education levels, compensation and time in plan

2013 Participant average account balance



Investment options

Your plan offered 13 investment options in 2013. This was below the universe median of 15.

Offering more investment options to participants is not necessarily better. When there are too many choices, the process can be overwhelming to many participants. In addition, you have a fiduciary duty to monitor each of the investment options that you offer participants to ensure that they continue to be prudent choices.

Type and number of investment options

Asset class	Your	2013	2013
	plan	Average	Median
Employer Stock Discretionary	0	0.7	1.0
Stock U.S.	6	6.0	6.0
Stock Non U.S. & Global	3	2.3	2.0
Bonds	3	2.6	2.0
Balanced	0	1.2	1.0
Target date (families) ¹	0	0.8	1.0
Stable Value	1	0.8	1.0
Cash, Money Market	0	0.6	1.0
Mutual Fund Window	0	0.2	0.0
Participant Brokerage Account	0	0.3	0.0
Priv Eq, REIT, Other (ex Loans)	0	0.6	0.0
Total (excl. Loans)	13	16.1	15.0

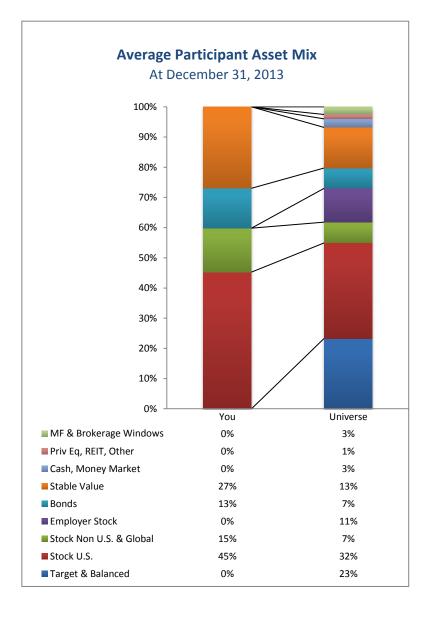
1. Target Date families are counted as one option.

Average participant asset mix

As fiduciaries you should monitor asset mix because it is often the biggest reason for differences in the total returns of plan participants. Asset mix red-flags that you should review are:

Employer stock - Employer stock can substantially increase the volatility of the average participant's returns (i.e., it increases risk). This is not an issue for your plan because it does not offer an employer stock option.

Stable value and cash - On average your plan participants had a combined 27% of their assets in stable value and/or cash options. This was above the U.S. universe average of 16%. Professionally managed defined benefit plans typically have less than 1% of their assets in these options. Although these options have relatively low risk of loss, they also have relatively low long-term expected returns. Therefore, high holdings of cash and stable value, especially among younger participants, increase the risk that these participants will not achieve their retirement objectives. Mitigating arguments in favor of stable value and cash include: (i) they are low risk, (ii) participants can elect to switch into options with higher expected returns and risk, (iii) tools and education can help participants be more aware of risk return tradeoffs and make decisions that are appropriate to their circumstances.



Average total return of plan participants

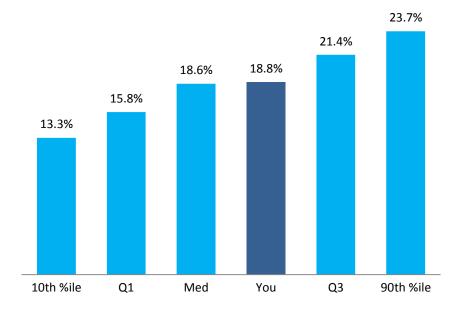
Your plan participants' average net total return was 18.8% in 2013. This was above the U.S. universe median of 18.6%.

Average net total return measures the change in the average participant's account balance as a result of the net investment returns earned by their investment options weighted by their holdings. The calculation is shown on page 9.

There are two primary causes of differences in participants' average net total return:

- Asset mix differences (see previous page) Asset mix differences are usually the primary reason for differences in the average total return performance of plan participants because different asset categories can have very different returns. For example, the best performing asset category in 2013 was Employer Stock. It had a universe average return of 38.0%. This compares to a universe average of -1.6% for the poorest performing asset category, Bonds.
- Value added performance Differences in value added performance can also impact total returns. Value added is a measure of the amount by which investment options outperformed their benchmark indices. See next page.

2013 Plan participants' average net total return



Total plan value added

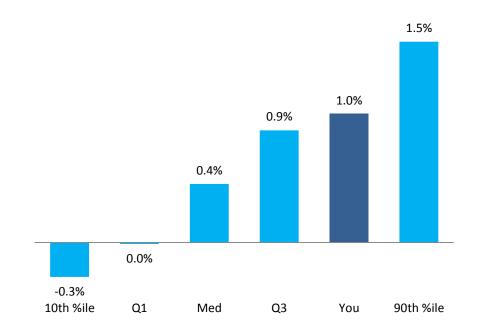
The weighted average net value added earned across all of your plan's options was 1.0% in 2013. This was above the U.S. universe median of 0.4%.

Total plan net value added shows how your plan's investment options performed on an overall basis. Positive value added indicates that, on average, your plan's investment options are outperforming their benchmark indices, whereas negative value added indicates that they are underperforming.

Total plan net value added equals the holdings weighted average of the net value added for all of the investment options in your plan. Net value added equals the total return for an investment option minus its benchmark return minus costs associated with managing and administering the investment option. The benchmark return is the return on a relevant market index, such as the S&P 500 for U.S. large capitalization stock mandates.

Monitoring total plan value added serves a very different fiduciary purpose than monitoring the value added from individual investment options. Total plan value added shows you whether your process for adding and dropping investment options over time has been effective.

2013 Total plan net value added



Calculation of your plan participants' average total return and value added

Your participants earned an average net total return of 18.8%, of which active management contributed 1.0%. Average total return measures the average change in your participants' account balances as a result of the returns earned by the investment options.

- Positive total average return means that your participants' account balances grew, even without further contribution.
- Negative total average return means that your participants' account balances decreased, even without withdrawals.

Total value added is a single measure of the average contribution or loss to your participants' average total return that resulted from active management. It is the value produced over what could have been earned passively. It equals the net return minus the benchmark return.

- Positive total value added means that, on average, your options performed better than their indexed/passive benchmarks.
- Negative total value added implies that, on average, your options did not perform as well as indexed/passive alternatives.

1. Beginning of year holdings are used as the weight for returns because annual returns are earned on beginning of year assets. Options discontinued during the year, loans and self-directed windows are excluded from weighted returns because return data was unavailable for these options. If beginning of year holdings were unavailable because you did not participate last year, they were estimated to equal end of year assets / (1 + return).

2. Net returns are net of all costs including administration costs.

3. Value added =net return - benchmark return. Value added from employer stock is neutralized by setting its benchmark return equal to its actual return. It is neutralized in this report so we can show the value added from diversified plan options.

* Missing return, used benchmark as option return.

Your investment options	% Beginning	Net	Benchmark	Value
	holdings ¹	return ²	return	added ³
Multi-Mgr - North Carolina Large Cap Value	10.1%	35.1%	32.5%	2.6%
Multi-Mgr - North Carolina Large Cap Growth	9.8%	36.3%	33.5%	2.8%
BlackRock - North Carolina Large Cap Passive	14.7%	32.3%	32.4%	-0.1%
BlackRock - North Carolina SMID Cap Passive	5.1%	36.6%	36.8%	-0.2%
Multi-Mgr - North Carolina SMID Growth	2.0%	41.4%	40.7%	0.8%
Multi-Mgr - North Carolina SMID Value	3.3%	36.6%	33.3%	3.3%
Multi-Mgr - North Carolina Int'l Equity	6.2%	14.9%	15.8%	-0.9%
Multi-Mgr - North Carolina Global Equity	2.3%	32.3%	23.2%	9.1%
BlackRock - North Carolina Int'l Passive	4.1%	14.4%	15.8%	-1.4%
Multi-Mgr - North Carolina Fixed Income	7.3%	1.1%	2.0%	-0.9%
BlackRock - North Carolina Fixed Income Passive	3.5%	2.0%	2.0%	0.0%
PIMCO - North Carolina Infl. Responsive	0.0%	-9.6%*	-8.6%	-1.0%
Galliard - North Carolina Stable Value	31.6%	2.1%	1.0%	1.1%

Average Net Total Return (Sum of % beginning holdings X net return)	18.8%
Weighted Total Benchmark Return (Sum of % beginning holdings X benchmark return)	<u>17.8%</u>
Total Value Added (Average total return less weighted benchmark return)	1.0%

Your total plan costs

Your plan's total cost in 2013, excluding individual expenses, was \$37.9 million which equals 0.49% as a percentage of total assets or \$130 per participant.

The Department of Labor regulations, ERISA 408(b)(2) and 404(a)(5), categorize expenses into three main categories: investment option expenses, administrative expenses and individual expenses. Individual expenses are excluded from total plan cost because individuals can choose whether they incur these fees (which include fees for loan processing, transfers, redemptions, QDROs, brokerage windows, managed accounts and investment advice).

1. Costs in dollars were estimated by multiplying the basis point cost you provided by the average holdings [average holdings =(beginning of year + end of year)/2]. If beginning of year holdings were not available, because you did not participate last year, then we estimated beginning of year holdings =end of year holdings / (1 + return on holdings).

2. If you were unable to provide a detailed breakdown of your administrative and fiduciary costs, your total administrative and fiduciary cost was placed in recordkeeping, as this generally represents the bulk of these costs.

	Expense	
Investment options	ratio in %	\$000s ¹
Multi-Mgr - North Carolina Large Cap Value	0.57%	4,460
Multi-Mgr - North Carolina Large Cap Growth	0.57%	4,354
BlackRock - North Carolina Large Cap Passive	0.20%	2,195
BlackRock - North Carolina SMID Cap Passive	0.26%	729
Multi-Mgr - North Carolina SMID Growth	0.90%	2,012
Multi-Mgr - North Carolina SMID Value	0.81%	2,620
Multi-Mgr - North Carolina Int'l Equity	0.70%	3,339
Multi-Mgr - North Carolina Global Equity	0.76%	3,146
BlackRock - North Carolina Int'l Passive	0.32%	523
Multi-Mgr - North Carolina Fixed Income	0.42%	2,184
BlackRock - North Carolina Fixed Income Passive	0.25%	667
PIMCO - North Carolina Infl. Responsive	0.98%	1,406
Galliard - North Carolina Stable Value	0.46%	10,295

Total investment option expense ratios (A)	0.49%	\$37,931
Administrative expenses		
Recordkeeping and administration ²	0.10%	\$7,462
Custodial and trustee	0.00%	\$0
Internal oversight	0.02%	\$1,923
Consulting	0.00%	\$0
Other plan costs (legal, audit, etc)	0.00%	\$0
less costs paid from expense ratio of invest. options	0.12%	\$9 <i>,</i> 385
Net administrative costs (B)	0.00%	\$0
Total plan costs (A + B)	0.49%	\$37,931
Individual participant expenses		
Participant advice	0.00%	\$0
Managed account fees	0.00%	\$0
Other participant expenses (for loans, QDROs, etc.)	0.00%	\$0
less costs paid from expense ratio of invest. options	0.00%	\$0
Net individual participant expenses	0.00%	\$0

Costs, returns and value added by investment option

Investment option	Со	st ¹	Net tota	l return	Net valu	e added	Option type
		Univ		Univ		Univ	
	Your	Med	Your	Med	Your	Med	
Multi-Mgr - North Carolina Large Cap Value	0.57%	0.53%	35.1%	34.3%	2.6%	1.8%	Stock U.S. Broad or Large Cap Broad Active
Multi-Mgr - North Carolina Large Cap Growth	0.57%	0.53%	36.3%	34.3%	2.8%	1.8%	Stock U.S. Broad or Large Cap Broad Active
BlackRock - North Carolina Large Cap Passive	0.20%	0.09%	32.3%	32.4%	-0.1%	-0.1%	Stock U.S. Broad or Large Cap Indexed
BlackRock - North Carolina SMID Cap Passive	0.26%	0.13%	36.6%	35.2%	-0.2%	-0.1%	Stock U.S. Mid Cap Indexed
Multi-Mgr - North Carolina SMID Growth	0.90%	0.86%	41.4%	37.4%	0.8%	1.7%	Stock U.S. Mid Cap Growth Active
Multi-Mgr - North Carolina SMID Value	0.81%	0.80%	36.6%	34.1%	3.3%	0.6%	Stock U.S. Mid Cap Value Active
Multi-Mgr - North Carolina Int'l Equity	0.70%	0.74%	14.9%	25.4%	-0.9%	0.3%	Stock Global Active
Multi-Mgr - North Carolina Global Equity	0.76%	0.74%	32.3%	25.4%	9.1%	0.3%	Stock Global Active
BlackRock - North Carolina Int'l Passive	0.32%	0.22%	14.4%	18.5%	-1.4%	-0.5%	Stock Global Indexed
Multi-Mgr - North Carolina Fixed Income	0.42%	0.42%	1.1%	-1.8%	-0.9%	-0.4%	Bonds Other Active
BlackRock - North Carolina Fixed Income Passive	0.25%	0.12%	2.0%	-2.2%	0.0%	-0.1%	Bonds Indexed
PIMCO - North Carolina Infl. Responsive	0.98%	0.33%	-9.6%	-8.8%	-1.0%	-0.2%	Bonds TIPS Active
Galliard - North Carolina Stable Value	0.46%	0.37%	2.1%	1.9%	1.1%	1.2%	Stable / GIC

Costs, returns and value added by investment option - 2013

1. Cost is the expense ratio of each investment option plus your net administrative expenses of 0.00% (i.e., any administrative expenses and rebates that were not already included in the option expense ratios; see page 10) which were added pro rata to investment option costs. Their inclusion ensures comparability between plans using bundled providers, whose administrative costs are already included as part of the management fees, and plans that do not have bundled arrangements, which pay administrative costs separately.

Total plan cost versus the U.S. universe

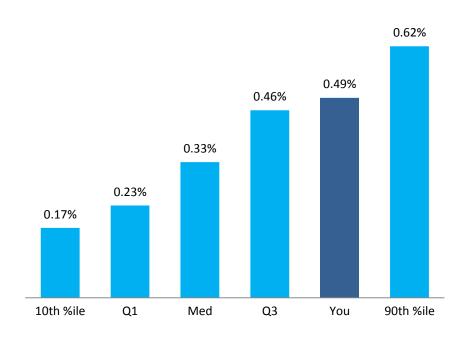
Your total plan cost, excluding individual expenses, of 0.49% was above the U.S. universe median of 0.33%.

As a fiduciary, it is very important that you assess whether your costs are reasonable. But comparing total plan cost provides only limited insight because differences in total cost often reflect differences in:

- Asset mix, particularly low cost options and options without an explicit cost such as employer stock
- Economies of scale due to plan size and average account balance

Therefore, to help you assess whether your plan costs are reasonable, CEM calculates a benchmark cost for your plan that adjusts for the above differences. Your performance versus benchmark cost is shown on the next page.

Total plan cost as a % of plan assets



Benchmark cost analysis

Your plan's total cost of 0.49% is below its benchmark cost of 0.54%. This suggests that your plan is low cost after adjusting for its size (i.e., total assets and average account balance) and asset mix. All of these factors impact costs and are not directly within your control. The calculation of your benchmark cost is shown on page 14.

Being low or high cost is neither good nor bad by itself. What matters is what you get in performance and services in return for what you pay.

Key reasons why plans are high or low cost after adjusting for size and asset mix are:

- Differences in fees paid for similar investment options. These differences often result from:
 - Negotiation
 - Differences in providers
 - The proportion of assets invested in retail versus institutionally priced mutual funds
 - The number of investment options offered; with fewer managers, you can often achieve cost economies
- Differences in recordkeeping and other administrative costs
- Differences in the proportion of assets invested in indexed options. Indexed options are much lower cost than active mandates

To understand in detail the impact of each of the above factors we recommend our peer-based BenchmarkDC report (see page 16).

Your 20	Your 2013 benchmark cost analysis		%
	Your plan's total cost	\$37,931	0.49%
less	Your plan's benchmark cost	\$41,170	0.54%
equals	Your plan's excess cost	-\$3,239	-0.04%

Calculation of your plan's benchmark cost

Calculation of your plan's 2013 benchmark cost

Asset Category	Universe median cost ¹	Your plan's average holdings \$000s	Benchmark \$000s
	(A)	(B)	(A X B)
Stock	0.35%	\$4,525,650	\$16,010
Bonds	0.26%	\$930,400	\$2,377
Stable Value	0.33%	\$2,238,000	\$7,343
Subtotal		\$7,694,050	\$25,729

	per member	# members (000s)	
Recordkeeping	\$55	291.4	\$16,132
Size adjustment ²			-\$691
Total benchmark cost			\$41,170
Total as a % of average assets			0.54%

Notes

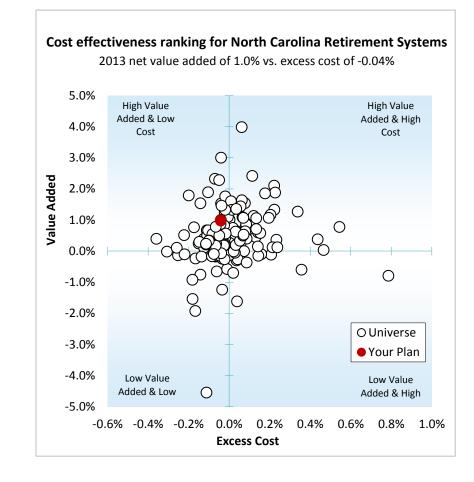
1. The universe median cost equals the median expense ratio of all funds in the U.S. universe for each asset category. Indexed and active styles are combined in each asset category. To ensure comparability between bundled and unbundled plans, net administrative expenses excluding recordkeeping are added to all expense ratios. Record keeping is excluded because a benchmark is calculated for it separately.

2. The size adjustment is based on regression analysis. It equals your plan's average assets with explicit fees X (0.200% - 0.054% x Log 10 of average assets with explicit fees in \$mils). Your plan's average assets with explicit fees were \$7,694 million which equals your 2013 total plan average assets of \$7,694 million minus your hidden and low cost assets of \$0 million. Hidden and low cost assets are traditional GICs, employer stock, loans, and self-directed accounts.

Cost effectiveness

In 2013, your plan ranked in the high value added, low cost quadrant on the cost effectiveness chart.

In an ideal world, the more you pay (i.e., the larger your excess cost) the more you get (i.e., the higher your value added). If this were true, you would see an upward sloping relationship in this graph. Clearly, this is not the case. CEM's research has shown consistently that there is no relationship between what plans spend and what they received.



Benefits of upgrading to peer-based benchmarking

The Department of Labor requires plan fiduciaries to ensure that their DC plan costs are reasonable. The best way to do this is through peer-based benchmarking. Therefore, we recommend you upgrade to CEM's peer-based BenchmarkDC report. It enables fiduciaries to assess and document their plan's cost reasonableness by comparing plan costs, performance and the services received to peer plans.

Benefits of upgrading to the include:

- Peer-based A proposed peer group for your plan is shown on the right. It was selected based on plan size and average account balance because our research shows that these two factors are the primary drivers of cost
- Multi-year Multi-year periods are critical for assessing investment performance
- More comprehensive cost comparisons including investment fees, recordkeeping fees, advisory fees, fiduciary oversight and other administration fees, and individual expenses including managed account fees
- Insights into trends in plan design and fund governance
- Customized executive summary
- In-person, on-site presentation of your results

For more information, contact:

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Proposed peer group for North Carolina Retirement Systems

- The following 17 peers were chosen as your custom peer group
- Median size of \$8,388M compared to your \$8,388M.

3M Company

Alcatel-Lucent Master Pension Trust American Airlines. Inc **BP** America Inc. Caterpillar Inc. **Dow Chemical Company** Federal Reserve Office of Employee Benefits Florida State Board of Administration Merck & Co., Inc. North Carolina Retirement Systems NRECA PepsiCo Inc. Prudential Financial Inc. Siemens Corp **Target Corporation** United Parcel Service Inc. Verizon Union Plan

Appendix A - Data quality

We recognize that the value of the information contained in these reports is only as good as the quality of the data we receive. Therefore, we work very hard at getting good data. Our procedures for checking and improving the data include:

• Improved Survey Clarity - 17 years of feedback from survey participants has led to improved definitions and survey clarity.

• Customer Confirmation - A six page summary of each respondent's data as it appears in our database was sent to all survey participants for confirmation prior to preparing this report. Your data is summarized in Appendix B (which begins on the following page).

• Computer and Analyst Verification - We compare responses to norms for the survey universe and to each sponsor's prior year data when available. This typically results in questions that we send to each survey respondent and follow-up by phone and/or email.

In addition, the quality of our data continues to improve because of:

• Learning Curve - This is our 17th year of gathering this data and experience is teaching us and the participants how to do a better job.

• Growing Universe - As our universe of respondents continues to increase in size, so does our confidence in the results as unbiased errors tend to average themselves out. As a result of the above, data quality has improved dramatically over the seventeen year period we have been benchmarking. We feel there will always be room for improvement and we welcome any suggestions on how to further improve data quality.

Appendix B - Your survey responses

Your data is summarized on the following 6 pages. As discussed with you (or the person who provided your plan's data) during the data confirmation process, your original survey responses may have changed for the following reasons:

1. Gross versus Net Returns - We permit participants to report returns on either a net or gross basis. In order to ensure 'apples-to-apples' comparisons, we use returns net of all costs, including administration costs.

2. Returns not available - We requested that you indicate 'n/a' if full year returns were unavailable for an investment option. The default for an unavailable return is to set it equal to your investment option's benchmark return.

3. Costs not provided - One of our key themes is that you must know your costs if you want to manage your plan effectively. We recognize, however, that some costs such as Fiduciary Oversight costs can be difficult to obtain. Therefore, if you were unable to provide us with your costs, or your best estimate of these costs, we imputed a figure using industry data.

4. Your benchmark was ineligible - To ensure apples-to-apples comparisons we insist that benchmark returns reflect an investable universe for an annual period. If your benchmarks include premiums such as the S&P500 + 1% we have used the base as your benchmark and ignored the premium. Similarly, if you have indicated a non-investable benchmark such as 'Lipper Averages', we have substituted our default benchmark portfolios in its place.

North Carolina Retirement Systems

General	2013	2012	2011	2010	2009
Contact	Mary	Mary		Kitty	Ellen
	Buonfiglio	Buonfiglio		McCollum	Richardson
Data provided by:	Rekha	Rekha	Rekha		David
	Krishnan	Krishnan	Krishnan	Timothy Dale	Vanderweide
Corporate, public, other?	Public	Public	Public	Public	Public
Market value of plan assets (\$ millions)	\$8,388	\$7,000	\$6,107	\$5,872	\$5,049
Number of plan participants	291,394	272,206	262,900	258,266	250,115
% of eligible employees participating	N	27%	N	26%	26%
Are some DC participants covered by a DB plan?	Yes	Yes	Yes	Yes	Yes
Administrative costs, plan expenses (\$000s)	2013	2012	2011	2010	2009
Recordkeeping ¹	7,462	6,363		6,165	5,301
paid from expense ratio of invest. options	7,462				
charged to individuals or participant accounts		6,363		6,165	5,301
paid by plan sponsor					
Custodial & trustee				1,468	2,197
paid from expense ratio of invest. options					
charged to individuals or participant accounts				1,468	2,197
paid by plan sponsor					
Oversight internal ²	1,923	1,657	200	128	200
paid from expense ratio of invest. options	1,923				
charged to individuals or participant accounts		1,657			200
paid by plan sponsor	0	0	200	128	0
Consulting				113	774
paid from expense ratio of invest. options					
charged to individuals or participant accounts					774
paid by plan sponsor				113	
Other				360	288
paid from expense ratio of invest. options					200
charged to individuals or participant accounts				200	288
paid by plan sponsor				360	
less rebates to participants from reimburse. accounts less costs paid from option expense ratio	9,385				
Total Plan Expenses	9,385	8,020	200	8,234	8,760
	9,305	8,020	200	0,234	8,700
Participant Expenses (\$000s)	2013	2012	2011	2010	2009
Participant advice					
paid from expense ratio of invest. options					
charged to individuals or participant accounts					
paid by plan sponsor					
Managed account fees					
paid from expense ratio of invest. options					
charged to individuals or participant accounts					
paid by plan sponsor					
Other participant expenses (for loans, QDROs, etc.)					
paid from expense ratio of invest. options					
charged to individuals or participant accounts					
paid by plan sponsor					
less costs paid from option expense ratio					
Total Participant Expenses					

1. If you were unable to provide a breakdown of your administrative & fiduciary costs, the total was included in recordkeeping because it usually represents the bulk of administrative & fiduciary costs.

2. If you were unable to provide costs for Fiduciary oversight internal, we applied a default value. If the number of internal FTEs is available, default equals

\$100,000 x FTE. Otherwise, it is 0.0001 x Market value of plan assets.

North Carolina Retirement Systems

About your options Do you have a default investment option?	2013 No	2012 Yes	2011 Yes	2010 Yes	2009 Yes
If yes, what is the default option?	INU	Target / lifecycle	Other	Other	Other
Option returns are:	Net mgmt & admin fees	Net mgmt fees			Net mgmt & admin fees
		Het ingint rees	Cross an rees	Cross an rees	
Cost drivers and allocation	2013	2012	2011	2010	2009
FTE fulfilling fiduciary/oversight functions	4.0	2.5	2.0	2.0	2.0
Does the plan offer a managed account service? Number with managed accounts Market value in managed accounts	No	No	No	No	No
Do you receive revenue sharing from your providers? Is it used to reduce management fee? Is it used to reduce admin. or fiduciary costs?	No	No	No	No	No
Are any administration costs allocated to participants via fee allocation or wraps?	Yes	Yes			
Allocation is: asset based, flat fee, both, or other If other, describe	asset based	asset based			
Contributions	2013	2012	2011	2010	2009
Employer contributions (\$ millions)	167	57			
Participant contributions (\$ millions)	298	263			
% of participants making voluntary contributions?	28%				
Loan features	2013	2012	2011	2010	2009
Does your plan allow loans?	Yes	Yes	Yes	Yes	Yes
Total number of outstanding loans	53,411	52,301		50,562	46,482
Average loan balance, (\$)	5,692	5,519		4,914	3,692
Does your plan allow for hardship withdrawals	Yes	Yes	Yes	Yes	Yes
Participant transaction rules and restrictions	2013	2012	2011	2010	2009
Limits on the number of transactions?	Yes	No	Yes	Yes	Yes
Limits on international funds?	Yes	Yes	Yes	Yes	Yes
Limits on any other funds (excl. international)?	Yes	No			
Excessive trading penalties?		No			
Describe other limits if any	Trades should	Trades should			
	be made	be made			
Assumed retirement age for your target date funds?					

Assumed retirement age for your target date funds? Do you customize or use an off shelf target date fund?

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Participant deferrals (DC is primary, no DD)	2012	2012	2011	2010	2000
Participant deferrals (DC is primary, no DB) Can participants make: a. After-tax Roth 401(k) contributions? b. After-tax non-Roth 401(k) contributions?	2013	2012	2011	2010	2009
Is investment in employer stock required to some extent?					
Is there a mandatory fixed or minimum contribution rate for full-time employees? If yes, what is the mandatory contribution rate as a % of salary?					
Does the plan have automatic enrolment? If yes: a. Initial automatic contribution as a % of salary b. What (if any) is the automatic annual increase in the contribution rate? c. Maximum rate achieved via automatic increases? Applied to all/new employees only when introduced?					
Participant deferrals (DC is suppl. to DB)	2013	2012	2011	2010	2009
Can participants make: a. After-tax Roth 401(k) contributions? b. After-tax non-Roth 401(k) contributions? Is investment in employer stock required to some extent?	Yes No No	Yes Yes Yes	Yes No No	Yes No No	Yes No No
	-		-	-	-

No

Is there a mandatory fixed or minimum contribution rate for full-time employees?

If yes, what is the mandatory contribution rate as a % of salary ?

Does the plan have automatic enrolment? If yes:

a. Initial automatic contribution as a % of salary

b. What (if any) is the automatic annual

increase in the contribution rate?

c. Maximum rate achieved via automatic increases?

Applied to all employees or new only when introduced?

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Employer contributions (if DC is primary, no DB) Are employer contributions made in employer stock, cash	2013	2012	2011	2010	2009
or both?					
Is there a profit sharing component to employer contributions?					
Is there an automatic fixed employer contribution rate?					
If yes, what is the automatic fixed employer contribution					
rate?					
Is there an after-tax employer match?					
Is there a before-tax employer match?					
% of participants earning the maximum match					
Indicate the match terms below:					
Percentage match on the first:					
Percentage of salary contributed:					
Percentage on the next:					
Percentage of salary contributed:					
Or describe:					

Employer contributions (if DC is suppl. to DB)	2013	2012	2011	2010	2009
Are employer contributions made in employer stock, cash or both?	Cash	Cash	Cash	Cash	Cash
Is there a profit sharing component to employer contributions?	No	No	No	No	No
Is there an automatic fixed employer contribution rate? If yes, what is the automatic fixed employer contribution	Yes	Yes	No	No	No
rate?	5.0%	5.0%			
Is there an after-tax employer match?	Yes	Yes	No	No	No
Is there a before-tax employer match?	Yes	No	Yes	Yes	Yes
% of participants earning the maximum match	38%				
Indicate the match terms below:					
Percentage match on the first:					
Percentage of salary contributed:					
Percentage on the next:					
Percentage of salary contributed:					
Or describe:			varies by participating	varies by participating	varies by participating

North Carolina Retirement Systems

Philosoftem.	2012	2042	2014	2010	2000
Fiduciary Named fiduciary?	2013 committee	2012 committee	2011 committee	2010	2009
	committee	committee	committee		
If named fiduciary is a committee: Number of committee members?	9	9	9		
Number of meetings in the past year?	10	8	8		
Are the meeting minutes documented?	Yes	Yes	Yes		
Are the named fiduciaries:					
Provided formal training?	Yes	Yes	Yes		
Required to sign an acknowledgement form?	Yes	No	No		
Have third parties been appointed as:					
 Investment manager with full discretionary powers 					
for selecting, monitoring, replacing investment options	No	No			
 Investment advisor to provide advice regarding the selection and retention of investment antions? 	Voc	Vac			
selection and retention of investment options? Plan administrator responsible for regulatory filings, 	Yes	Yes			
disclosures to participants and hiring plan service					
providers if no other fiduciary has that responsibility?	Yes	Yes	Yes		
Is there documentation that identifies the process for:					
 Selection and monitoring of third-party 					
fiduciaries and other plan service providers?	No	No	Yes		
Investment policy	Yes	Yes	Yes		
 Oversight of internal employees involved in operating the plan (i.e., internal fiduciaries, 					
HR staff enrolling employees in the plan,					
posting deferrals, etc)	Yes	Yes	Yes		
 Fulfilling administration responsibilities 					
(regulatory filings, disclosures to participants)	Yes	Yes	Yes		
Education and other	2013	2012	2011	2010	2009
Is individual investment counseling/advice					
offered to plan participants?	No	No			
 Is it provided by advisor, computer, both? 					
Does your plan offer financial education via:					
• Group meetings?	Yes	Yes			
One-on-one meetings?	Yes	Yes			
Do plan participants receive projections of annual income					
in retirement: • In their participant statements?	Yes	Yes			
• Online?	Yes	Yes			
Via separate communication?	No	No			
Does your plan have marketing campaigns to:					
Increase employee contribution/deferral rates?	Yes	Yes			
 Increase participation by eligible non-participants? 	Yes	Yes			
Educate on the savers tax credit for lower					
income participants?	No	No			
• Other?		No			
Does your plan offer:					
 Out-of-plan guaranteed lifetime income product (i.e, annuity, etc)? 	Yes	Yes			
In-plan guaranteed lifetime income	103	103			
product? (i.e., deferred annuity, etc)	No	No			
Does your plan offer automatic rebalancing?	Yes	Yes			

North Carolina Retirement Systems

Your plan's 2013 investment options

		%	Inst'l or	\$ mils at	Annual			
Provider & Option name	Туре	Indxd	Retail	12/31/13	Return	Benchmark		Cost
Multi-Mgr - North Carolina Large Cap Value	Stk U.S. Broad or LC Broad		Inst'l	861	35.1%	Russell 1000 Value	32.5%	0.57%
Multi-Mgr - North Carolina Large Cap Growth	Stk U.S. Broad or LC Broad		Inst'l	839	36.3%	Russell 1000 Growth	33.5%	0.57%
BlackRock - North Carolina Large Cap Passive	Stk U.S. Broad or LC Broad	100%	Inst'l	1,166	32.3%	S&P 500	32.4%	0.20%
BlackRock - North Carolina SMID Cap Passive	Stk U.S. MC Broad	100%	Inst'l	207	36.6%	Russell 2500	36.8%	0.26%
Multi-Mgr - North Carolina SMID Growth	Stk U.S. MC Growth		Inst'l	306	41.4%	Russell 2500 Growth	40.7%	0.90%
Multi-Mgr - North Carolina SMID Value	Stk U.S. MC Value		Inst'l	418	36.6%	Russell 2500 Value	33.3%	0.81%
Multi-Mgr - North Carolina Int'l Equity	Stk Global		Inst'l	518	14.9%	MSCI ACWI ex USA Gross	15.8%	0.70%
Multi-Mgr - North Carolina Global Equity	Stk Global		Inst'l	665	32.3%	MSCI ACWI Gross	23.2%	0.76%
BlackRock - North Carolina Int'l Passive	Stk Global	100%	Inst'l	38	14.4%	MSCI ACWI ex USA Gross	15.8%	0.32%
Multi-Mgr - North Carolina Fixed Income	Bonds Other		Inst'l	529	1.1%	Barc. Aggr.	2.0%	0.42%
BlackRock - North Carolina Fixed Income Passive	Bonds Other	100%	Inst'l	292	2.0%	Barc. Aggr.	2.0%	0.25%
PIMCO - North Carolina Infl. Responsive	Bonds TIPS		Inst'l	287		Barc. US TIPS	-8.6%	0.98%
Galliard - North Carolina Stable Value	Stable Value		Inst'l	2,262	2.1%	30 days T-Bills + 100 bps	1.0%	0.46%
Total				8,388				0.49%