

GENERAL ASSEMBLY OF NORTH CAROLINA

Session 2007

Legislative Actuarial Note

HEALTH BENEFITS

BILL NUMBER: House Bill 2214 (Second Edition)

SHORT TITLE: Charter Schools/State Health Plan.

SPONSOR(S):

SYSTEM OR PROGRAM AFFECTED: Teachers' and State Employees' Comprehensive Major Medical Plan. On and after July 1, 2008 the Plan will be known as the *State Health Plan for Teachers and State Employees* (see Section 28.22A of Session Law 2007-323).

FUNDS AFFECTED: State General Fund, State Highway Fund, other State employer receipts; premium payments for dependents of active employees and retired employees of State agencies and universities, local public schools and local community colleges; premium payments for coverages selected by eligible former employees; premium payments for coverages selected by firefighters, rescue squad workers, members of the National Guard, and certain authorized local governments.

BILL SUMMARY: The Proposed Committee Substitute to House Bill 2214 (H2214-CSLN-76 [v.1])) permits the Boards of Directors of the New Dimensions School, and the Chatham Charter School, which are public charter schools, to become participating employers in the Teachers' and State Comprehensive Major Medical Plan within 30 days after the act becomes law. Under G.S. 135-40.3A, an election to join the Plan by the board of a charter school is irrevocable and shall require all eligible employees of the charter school to participate.

EFFECTIVE DATE: When it becomes law.

ESTIMATED IMPACT ON STATE: The consulting actuary for the Teachers' and State Employees Comprehensive Major Medical Plan, Aon Consulting, estimates a negligible financial impact to the Plan if the New Dimensions School elects to participate in the Plan. Aon Consulting estimates an average annual mid-point savings of \$2,592 beginning with the 2008-2009 fiscal year. Comparisons between the Plan's current demographic data and the submitted demographic data by the School were made for the purposes of estimating impact. However, without historical claims experience data, Aon Consulting notes that adverse selection against the Plan may occur and thereby possibly increase the cost impact.

Aon Consulting further estimates a negligible impact to the Plan if the Chatham Charter School elects to participate in the Plan. Aon Consulting estimates an average annual mid-point cost of \$89,280 beginning with the 2008-2009 fiscal year. Comparisons between the Plan's current demographic data and the submitted demographic data by the School were made for the purposes

of estimating impact. However, without historical claims experience data, Aon Consulting notes that adverse selection against the Plan may occur and thereby possibly increasing the cost impact.

Hartman & Associates, consulting actuary for the General Assembly's Fiscal Research Division, estimates that the financial impact on the Plan would not be significant upon the New Dimensions School electing to participate in the Plan. Hartman and Associates noted that the employee demographics of the New Dimensions School compare favorably to current Plan member demographics, and that given the minimal number of prospective employees to be enrolled, there is not expected to be a significant impact.

Hartman & Associates further estimates that the financial impact on the Plan would not be significant upon the Chatham Charter School electing to participate in the Plan. Hartman and Associates noted that the employee demographics of the Chatham Charter School compare similarly to current Plan member demographics, and that given the minimal number of prospective employees to be enrolled, there is not expected to be a significant impact.

ASSUMPTIONS AND METHODOLOGY:

General Assumptions for Proposed Committee Substitute to House Bill 2214

Authorized Charter Schools: As of April 2008, there are 52 charter schools with 2,573 enrolled active employees and dependents participating in the Plan

Data submitted by the School: Aon Consulting and Hartman and Associates based their respective analyses in part on a distribution of participants schedule submitted by each School. These schedules reflect the age and sex demographic data for employees of each respective school.

Distribution of Participants -- New Dimensions School

Ages	Active Employees			Dependents of Active Employees			Retired Employees			Dependents of Retired Employees		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4			0			0			0			0
5-9			0			0			0			0
10-14			0			0			0			0
15-19			0			0			0			0
20-24		3	3			0			0			0
25-29		3	3			0			0			0
30-34			0			0			0			0
35-39	1		1			0			0			0
40-44		1	1			0			0			0
45-49			0			0			0			0
50-54			0			0			0			0
55-59			0			0			0			0
60-64			0			0			0			0
65-69			0			0			0			0
70-74			0			0			0			0
75-79			0			0			0			0
>79			0			0			0			0
Unknown			0			0			0			0
TOTAL	1	7	8	0	0	0	0	0	0	0	0	0

Distribution of Participants -- Chatham Charter

Ages	Active Employees			Dependents of Active Employees			Retired Employees			Dependents of Retired Employees		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4			0			0			0			0
5-9			0			0			0			0
10-14			0			0			0			0
15-19			0			0			0			0
20-24			0			0			0			0
25-29	1	3	4			0			0			0
30-34		2	2			0			0			0
35-39		1	1			0			0			0
40-44		5	5		1	1			0			0
45-49		5	5	4	1	5			0			0
50-54	1	1	2	1	1	2			0			0
55-59		2	2			0			0			0
60-64	2		2			0			0			0
65-69			0			0			0			0
70-74			0			0			0			0
75-79			0			0			0			0
>79			0			0			0			0
Unknown			0			0			0			0
TOTAL	4	19	23	5	3	8	0	0	0	0	0	0

Summary Plan Information

The Plan operates on a self-funded basis funded through premium contributions, investment earnings and other receipts. As of October 1, 2006, the Plan operates an Indemnity plan and an optional Preferred Provider Option (PPO) plan. Effective July 1, 2008, the Plan will no longer operate the Indemnity Plan as a benefit option for plan members. The PPO plan offers three options to plan members that include: (1) a "basic" 70/30 plan that offers higher out-of pocket requirements in return for lower fully contributory dependent premiums; (2) a "standard" 80/20 plan; and (3) a 90/10 "plus" plan with enhanced benefits via lower out-of-pocket requirements as compared to the other PPO plan options. Participation in the plus plan requires employees and retired employees to make a partially contributory premium contribution to participate in this option. The basic and standard plans offer coverage to employees and retired employees on a noncontributory basis. Coverage for dependents under all plans is offered on a fully contributory basis.

Additional assumptions include Medicare benefit "carve-outs," cost containment strategies including prior approval for certain medical services, utilization of the "Blue Options" provider network, case and disease management for selected medical conditions, mental health case management, coordination of benefits with other payers, a prescription drug benefit manager with manufacturer rebates from formularies, and fraud detection, and other authorized actions by the Executive Administrator and Board of Trustees to manage the Plan to maintain and improve the Plan's operation and financial condition where possible. Claim cost trends are expected to increase at a rate of 9% annually according to the Plan's consulting actuary. Investment earnings are based upon a 4.5% return on available cash balances.

Financial Condition

Revised Financial Projection for the 2008-2009 Fiscal Year (July 2008)¹

For the fiscal year beginning, July 1, 2008, the Plan is projected to have an operating loss of approximately \$240 million. The beginning cash balance for the Plan was \$140.6 million as of July 1, 2008. Consequently, the Plan is not expected to be able to sufficiently fund its operations for the entire 2008-2009 fiscal year. Based on the negative results experienced during the 2007-2008 fiscal year (see below), and the projected outlook for the 2008-2009 fiscal year, it is assumed that the Plan will require additional premium income, savings through benefit changes, a cash infusion, or some combination thereof in order to operate for the 2008-2009 fiscal year and thereafter.

Year-to-date Operating Results for the 2007-2008 Fiscal Year ²

Through June 30, 2008, the Plan reports an operating loss of approximately \$17 million for the 2007-2008 fiscal year. Year-to-date operating losses in the Indemnity plan total \$87.8 million versus a projected annual loss of \$2.5 million. To date, these losses are partially offset by \$70.9 million in operating gains under the PPO plans. The Plan as a result has operated substantially behind its projected annual operating income of \$57.9 million for the 2007-2008 fiscal year. Based on actual results through June 2008, the Plan fell short of projected income by an estimated \$74.9 million for the fiscal year. It is further reported by the Executive Administrator of the Plan that an estimated \$62.7 million in June 2008 claims will be paid in July 2008. This transfer of paid claims from the end of the 2007-2008 fiscal year to the first month of the 2008-2009 fiscal year understates the Plan's reported loss by \$62.7 million for the 2007-2008 fiscal year.

¹ Aon Consulting, Consulting Actuary for the Teachers' and State Employees' Comprehensive Major Medical Plan, July 2008.

² Summary of Operations (Cash Basis Reporting), For the Period Ending June 2008, 2007-2008 Fiscal Year, July 2008, NC State Health Plan for Teachers and State Employees.

Enrollment Data as of December 31, 2007

I. <u>No. of Participants</u>	<u>Indemnity Plan</u>	<u>PPO Options</u>	<u>Total</u>	<u>Percent of Total</u>
<u>Actives</u>				
Employees	68,745	253,572	322,317	50.0%
Dependents	21,031	135,744	156,775	24.3%
Sub-total	89,776	389,316	479,092	74.4%
<u>Retired</u>				
Employees	85,753	55,948	141,701	22.0%
Dependents	7,859	11,611	19,470	3.0%
Sub-total	93,612	67,559	161,171	25.0%
<u>Former Employees with Continuation Coverage</u>				
Employees	682	1,022	1,704	0.3%
Dependents	226	616	842	0.1%
Sub-total	908	1,638	2,546	0.4%
<u>Firefighters, Rescue Squad & National Guard</u>				
Employees	3	-	3	0.0%
Dependents	-	-	-	0.0%
Sub-total	3	-	3	0.0%
<u>Local Governments</u>				
Employees	16	1,082	1,098	0.2%
Dependents	-	459	459	0.1%
Sub-total	16	1,541	1,557	0.2%
<u>Total</u>	<u>184,315</u>	<u>460,054</u>	<u>644,369</u>	
Percent of Total	28.6%	71.4%	100.0%	100.0%
II. <u>Retiree Enrollment by Category</u>	<u>Indemnity Plan</u>	<u>PPO Options</u>	<u>Total</u>	
Non-Medicare Eligible	25,859	34,711	60,570	
Medicare Eligible	67,753	32,848	100,601	
Total	93,612	67,559	161,171	
<u>Percent by Category (Retiree)</u>	<u>Indemnity Plan</u>	<u>PPO Options</u>	<u>Total</u>	
Non-Medicare Eligible	27.6%	51.4%	37.6%	
Medicare Eligible	72.4%	48.6%	62.4%	
Total	100.0%	100.0%	100.0%	

Enrollment Data Continued

III. <u>Enrollment by Age</u>	Indemnity	PPO	<u>Total</u>
	<u>Plan</u>	<u>Options</u>	
29 & Under	25,706	147,450	173,156
30 to 44	23,965	105,402	129,367
45 to 54	28,204	89,488	117,692
55 to 64	40,880	82,975	123,855
65 & Over	65,560	34,739	100,299
Total	184,315	460,054	644,369

<u>Percent Enrollment by Age</u>	Indemnity	PPO	<u>Total</u>
	<u>Plan</u>	<u>Options</u>	
29 & Under	13.9%	32.1%	26.9%
30 to 44	13.0%	22.9%	20.1%
45 to 54	15.3%	19.5%	18.3%
55 to 64	22.2%	18.0%	19.2%
65 & Over	35.6%	7.6%	15.6%
Total	100.0%	100.0%	100.0%

IV. <u>Enrollment by Sex</u>	Indemnity	PPO	<u>Total</u>
	<u>Plan</u>	<u>Options</u>	
Female	117,283	284,899	402,182
Male	67,032	175,155	242,187
Total	184,315	460,054	644,369

<u>Percent Enrollment by Sex</u>	Indemnity	PPO	<u>Percent of Total</u>
	<u>Plan</u>	<u>Options</u>	
Female	63.6%	61.9%	62.4%
Male	36.4%	38.1%	37.6%
Total	100.0%	100.0%	100.0%

SOURCES OF DATA:

-Actuarial Note, Hartman & Associates, Proposed Committee Substitute to House Bill 2214, H2214-CSLN-76 [v.1], June 25, 2008, original of which is on file in the General Assembly's Fiscal Research Division.

-Actuarial Note, Aon Consulting, Proposed Committee Substitute to House Bill 2214, H2214-CSLN-76 [v.1], July 2, 2008, original of which is on file with the Comprehensive Major Medical Plan for Teachers and State Employees and the General Assembly's Fiscal Research Division.

TECHNICAL CONSIDERATIONS: None

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