



Cavanaugh Macdonald

CONSULTING, LLC

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June 20, 2008

Mr. Michael Nehf
Executive Director
Georgia Military Pension Fund
Two Northside 75, Suite 300
Atlanta, GA 30318-7778

Dear Mr. Nehf:

Enclosed are 40 bound copies and one unbound copy of the "Georgia Military Pension Fund Report of the Actuary on the Valuation Prepared as of June 30, 2007".

The valuation indicates that employer contribution of \$1,433,628 or \$119.30 per active member for the fiscal year ending June 30, 2010 is required to support the benefits of the Fund.

Please let us know if there are any questions concerning the report.

Sincerely yours,

Edward A. Macdonald, ASA, FCA, MAAA
President

EAM:mjn

Enclosure

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Cathy Turcot
Managing Director



**EMPLOYEES'
RETIREMENT SYSTEM
OF GEORGIA**

GEORGIA MILITARY PENSION FUND

**REPORT OF THE ACTUARY ON THE VALUATION
PREPARED AS OF JUNE 30, 2007**



Cavanaugh Macdonald
CONSULTING, LLC
The experience and dedication you deserve

June 20, 2008

Board of Trustees
Georgia Military Pension Fund
Two Northside 75, Suite 300
Atlanta, GA 30318

Members of the Board:

Section 47-24-22 of the law governing the operation of the Georgia Military Pension Fund provides that the actuary shall make periodic valuations of the contingent assets and liabilities of the Pension Fund on the basis of regular interest and the tables last adopted by the Board of Trustees. We have submitted the report giving the results of the actuarial valuation of the Fund prepared as of June 30, 2007. The report indicates that annual employer contributions of \$1,433,628 or \$119.30 per active member for the fiscal year ending June 30, 2010 are sufficient to support the benefits of the Fund.

In preparing the valuation, the actuary relied on data provided by the Fund. While not verifying data at the source, the actuary performed tests for consistency and reasonableness. Our firm, as actuary, is responsible for all of the actuarial trend data in the financial section of the annual report and the supporting schedules in the actuarial section of the annual report.

In our opinion, the valuation is complete and accurate, and the methodology and assumptions are reasonable as a basis for the valuation. The valuation takes into account the effect of all amendments to the Fund enacted through the 2007 session of the General Assembly.

The Fund is funded on an actuarial reserve basis. The actuarial assumptions recommended by the actuary and adopted by the Board are in the aggregate reasonably related to the experience under the Fund and to reasonable expectations of anticipated experience under the Fund. The assumptions and methods used for funding purposes meet the parameters set for the disclosures presented in the financial section by Governmental Accounting Standards Board (GASB) Statement Nos. 25 and 27. The funding objective of the plan is that contribution rates over time will remain level as a percent dollar per active member. The valuation method used is the entry age normal cost method. The normal contribution rate to cover current cost has been determined as a level dollar per active member. Gains and losses are reflected in the unfunded accrued liability which is being amortized as a level dollar per active member within a 30-year period.

The Fund is being funded in conformity with the minimum funding standard set forth in Code Section 47-20-10 of the Public Retirement Systems Standards Law. In our opinion the Fund is operating on an actuarially sound basis. Assuming that contributions to the Fund are made by the employer from year to year in the future at the rates recommended on the basis of the successive actuarial valuations, the continued sufficiency of the retirement fund to provide the benefits called for under the Fund may be safely anticipated.



June 20, 2008
Board of Trustees
Page 2

This is to certify that the independent consulting actuary is a member of the American Academy of Actuaries and has experience in performing valuations for public retirement systems, that the valuation was prepared in accordance with principles of practice prescribed by the Actuarial Standards Board, and that the actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures, based on the current provisions of the retirement system and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the Fund.

Future actuarial results may differ significantly from the current results presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Since the potential impact of such factors is outside the scope of a normal annual actuarial valuation, an analysis of the range of results is not presented herein.

Sincerely yours,

A handwritten signature in blue ink, appearing to read 'Edward A. Macdonald', written in a cursive style.

Edward A. Macdonald, ASA, FCA, MAAA
President

EAM:mjn

A handwritten signature in blue ink, appearing to read 'Cathy Turcot', written in a cursive style.

Cathy Turcot
Managing Director



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**GEORGIA MILITARY PENSION FUND
REPORT OF THE ACTUARY
ON THE VALUATION
PREPARED AS OF JUNE 30, 2007**

SECTION I - SUMMARY OF PRINCIPAL RESULTS

1. For convenience of reference, the principal results of the current and preceding valuations are summarized below.

Valuation Date	June 30, 2007	June 30, 2006
Number of active members	12,017	10,320
Retired members:		
Number	235	163
Annual pensions	\$ 260,400	\$ 178,320
Former members entitled to deferred vested pensions:		
Number	1,068	937
Annual deferred pensions	\$ 953,172	\$ 846,144
Assets:		
Market Value	\$ 4,336,000	\$ 3,053,000
Actuarial Value	4,165,000	3,100,000
Unfunded actuarial accrued liability	\$ 15,721,788	\$ 14,525,320
Amortization Period	30 years	30 years
Funded Ratio	20.9%	17.6%
For Fiscal Year Ending	June 30, 2010	June 30, 2009
Employer contribution rate per active member:		
Normal	\$ 8.52	\$ 9.03
Accrued liability	<u>110.78</u>	<u>119.17</u>
Total	\$ 119.30	\$ 128.20
Annual Required Employer Contribution Rates (ARC):		
Normal	\$ 102,385	\$ 93,190
Accrued liability	<u>1,331,243</u>	<u>1,229,834</u>
Total	\$ 1,433,628	\$ 1,323,024

2. The valuation takes into account the effect of amendments to the Fund enacted through the 2007 session of the General Assembly. The major benefit and contribution provisions of the Fund as reflected in the valuation are summarized in Schedule F. There have been no changes since the previous valuation.



3. Schedule D of this report outlines the full set of actuarial assumptions and methods used to prepare the current valuation. There have been no changes since the previous valuation.
4. The entry age actuarial cost method was used to prepare the valuation. Schedule E contains a brief description of this method.
5. Comments on the valuation results as of June 30, 2007 are given in Section IV, and further discussion of the contributions is set out in Section V.

SECTION II – MEMBERSHIP DATA

1. Data regarding the membership of the Fund for use as a basis of the valuation were furnished by the Defense Department. The valuation includes 12,017 active National Guard members.
2. The following table shows the number of retired members and deferred vested members as of June 30, 2007, together with the amount of their annual retirement allowances payable under the Fund as of that date.

THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF RETIRED MEMBERS AND DEFERRED VESTED MEMBERS AS OF JUNE 30, 2007

GROUP	NUMBER	ANNUAL RETIREMENT ALLOWANCES
Retired Members, currently payable	235	\$ 260,400
Former Members, deferred allowances	1,068	953,172



SECTION III - ASSETS

1. As of June 30, 2007 the total market value of assets amounted to \$4,336,000 as reported by the independent Auditor of the Fund. The actuarial value of assets at June 30, 2007 is \$4,165,000. Schedule B shows the development of the actuarial value of assets as of June 30, 2007.
2. Schedule C shows the receipts and disbursements of the Fund for the two years preceding the valuation date and a reconciliation of the fund balances.

SECTION IV – COMMENTS ON VALUATION

1. Schedule A of this report contains the valuation balance sheet which shows the present and prospective assets and liabilities of the Fund as of June 30, 2007. The valuation was prepared in accordance with the actuarial assumptions and methods set forth in Schedule D and the actuarial cost method which is described in Schedule E.
2. The valuation balance sheet shows that the Fund has total prospective liabilities of \$20,411,722, of which \$7,654,715 is for the prospective benefits payable on account of present retired members, and members entitled to deferred vested benefits, and \$12,757,007 for the prospective benefits payable on account of present active members. Against these liabilities, the Fund has total present assets of \$4,165,000 as of June 30, 2007. The difference of \$16,246,722 between the total liabilities and the total present assets represents the present value of contributions to be made in the future.
3. The employer's contributions to the Fund consist of normal contributions and accrued liability contributions. The valuation indicates that annual employer normal contributions at the rate of \$8.52 per active member are required to provide the currently accruing benefits of the Fund.
4. Prospective normal contributions at the rate of \$8.52 have a present value of \$524,934. When this amount is subtracted from \$16,246,722, which is the present value of the total future contributions to be made by the employers, the result is a prospective unfunded actuarial accrued liability of \$15,721,788.



5. The accrued liability contribution is the level annual amount which will liquidate the unfunded actuarial liability over a 30-year period. The annual accrued liability contribution determined on this basis is \$1,331,243, or \$110.78 per active member.

SECTION V – CONTRIBUTIONS PAYABLE BY THE STATE

1. The following table summarizes the employer contribution rates which were determined by the June 30, 2007 valuation and are recommended for use.

**ANNUAL REQUIRED EMPLOYER CONTRIBUTION RATES (ARC)
FOR FISCAL YEAR ENDING JUNE 30, 2010**

CONTRIBUTION	PER ACTIVE MEMBER	ANNUAL AMOUNT
Normal	\$ 8.52	\$ 102,385
Accrued Liability	<u>110.78</u>	<u>1,331,243</u>
Total	\$ 119.30	\$ 1,433,628



SECTION VI – ACCOUNTING INFORMATION

1. Governmental Accounting Standards Board Statements 25 and 27 set forth certain items of required supplementary information to be disclosed in the financial statements of the Fund and the employer. One such item is a distribution of the number of employees by type of membership, as follows:

**NUMBER OF ACTIVE AND RETIRED MEMBERS
AS OF JUNE 30, 2007**

GROUP	NUMBER
Retirees and beneficiaries currently receiving benefits	235
Terminated plan members entitled to benefits but not yet receiving benefits	1,068
Active plan members	<u>12,017</u>
Total	13,320

2. Another such item is the schedule of funding progress as shown below.

**SCHEDULE OF FUNDING PROGRESS
(Dollar Amounts in Thousands)**

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) - Entry Age (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a / b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b - a) / c)
6/30/2002	\$ 0	\$ 8,321,965	\$ 8,321,965	0.00%	N/A	N/A
6/30/2003	609,000	11,097,937	10,488,937	5.49	N/A	N/A
6/30/2004	1,250,000	12,342,583	11,092,583	10.13	N/A	N/A
6/30/2005	2,176,000	14,453,668	12,277,668	15.06	N/A	N/A
6/30/2006	3,100,000	17,625,320	14,525,320	17.59	N/A	N/A
6/30/2007	4,165,000	19,886,788	15,721,788	20.94	N/A	N/A

All figures prior to 6/30/2005 were reported by the prior actuarial firm.



3. The following shows the schedule of employer contributions:

<u>Year Ending</u>	<u>Annual Required Contribution</u>	<u>Percentage Contributed</u>
6/30/2004*	\$ 617,000	100%
6/30/2005	891,000	100
6/30/2006	891,000	100
6/30/2007	1,005,000	100

* Reported by the prior actuarial firm

4. Additional information as of this actuarial valuation follows.

Valuation date	6/30/2007
Actuarial cost method	Entry age
Amortization method	Level dollar, open
Remaining amortization period	30 years
Asset valuation method	7-year smoothed market
Actuarial assumptions:	
Investment rate of return*	7.50%
Projected salary increases*	N/A
Cost-of-living adjustments	None
*Includes inflation at	3.75%

TREND INFORMATION

<u>Year Ending</u>	<u>Annual Pension Cost (APC)</u>	<u>Percentage of APC Contributed</u>	<u>Net Pension Obligation</u>
June 30, 2005	\$ 891,000	100%	\$ 0
June 30, 2006	891,000	100	0
June 30, 2007	1,005,000	100	0



SCHEDULE A

VALUATION BALANCE SHEET

PRESENT AND PROSPECTIVE ASSETS AND LIABILITIES
AS OF JUNE 30, 2007

<u>Actuarial Liabilities</u>	
Present value of prospective benefits payable on account of:	
(1) Present retired members	\$ 2,495,166
(2) Former members entitled to deferred benefits	5,159,549
(3) Present active members	<u>12,757,007</u>
(4) Total Actuarial Liabilities	<u>\$ 20,411,722</u>
<u>Present and Prospective Assets</u>	
(5) Actuarial Value of Assets:	\$ 4,165,000
(6) Present value of total future contributions = (4) – (5)	\$ 16,246,722
(7) Employer normal contribution rate	\$ 8.52
(8) Present value of future membership service	\$ 61,612
(9) Prospective normal contributions = (7) x (8)	524,934
(10) Prospective unfunded actuarial accrued liability contributions = (6) – (9)	<u>15,721,788</u>
(11) Total Present and Prospective Assets	<u>\$ 20,411,722</u>



SCHEDULE B

**DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS
(\$ in thousands)**

(1)	Actuarial Value Beginning of Year	\$	3,100
(2)	Market Value End of Year	\$	4,336
(3)	Market Value Beginning of Year	\$	3,053
(4)	Cash Flow		
	(a) Contributions	\$	1,005
	(b) Benefit Payments		<u>(225)</u>
	(c) Net: (4)(a) + (4)(b)	\$	780
(5)	Investment Income		
	(a) Market Total: (2) – (3) – (4)(c)	\$	503
	(b) Assumed Rate		7.50%
	(c) Amount for Immediate Recognition: [(3) x (5)(b)] + [(4)(c) x (5)(b) x 0.5]	\$	258
	(d) Amount for Phased-In Recognition: (5)(a) – (5)(c)	\$	245
(6)	Phased-In Recognition of Investment Income		
	(a) Current Year: (5)(d) / 7	\$	35
	(b) First Prior Year		(8)
	(c) Second Prior Year		0
	(d) Third Prior Year		0
	(e) Fourth Prior Year		0
	(f) Fifth Prior Year		0
	(g) Sixth Prior Year		<u>0</u>
	(h) Total Recognized Investment Gain	\$	27
(7)	Actuarial Value End of Year: (1) + (4)(c) + (5)(c) + (6)(h)	\$	4,165
(8)	Difference Between Market & Actuarial Values: (2) – (7)	\$	171
(9)	Rate of Return on Actuarial Value		8.17%



SCHEDULE C

**SUMMARY OF RECEIPTS AND DISBURSEMENTS
(\$ in thousands)**

	YEAR ENDING	
	<u>June 30, 2007</u>	<u>June 30, 2006</u>
<u>Receipts for the Year</u>		
Contributions:		
Members	\$ 0	\$ 0
Employers	<u>1,005</u>	<u>891</u>
Total	\$ 1,005	\$ 891
Investment earnings	503	131
Administrative expense allotment	<u>0</u>	<u>0</u>
Total	\$ 1,508	\$ 1,022
<u>Disbursements for the Year</u>		
Retirement allowances	\$ 225	\$ 150
Refunds to members	0	0
Administration expense	<u>0</u>	<u>0</u>
Total	\$ 225	\$ 150
<u>Excess of Receipts over Disbursements</u>	\$ 1,283	\$ 872
<u>Reconciliation of Asset Balances</u>		
Asset Balance as of the Beginning of Year (Market Value)	\$ 3,053	\$ 2,181
Excess of receipts over disbursements	<u>1,283</u>	<u>872</u>
Asset Balance as of the End of Year (Market Value)	<u>\$ 4,336</u>	<u>\$ 3,053</u>
Return of Return	14.61%	5.13%



SCHEDULE D

OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHODS

INTEREST RATE: 7.50% per annum, compounded annually.

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of separation from active service are as follows:

Age	Annual Rates of			
	Withdrawal		Retirement	Death
	Less than 7 years of service	7 or more years of service	Age 60 with 20 years of service*	
25	25%	10%		.07%
30	25	10		.07
35	25	10		.09
40	25	10		.18
45	25	10		.29
50	25	5		.40
55	25	5		.60
60	25	5	100%	.85

*15 years of service must be with Georgia National Guard.

DEATHS AFTER RETIREMENT: The 1983 Group Annuity Mortality Table for males and females.

ASSETS: Actuarial value, as developed in Schedule B. The actuarial value of assets recognizes a portion of the difference between the market value of assets and the expected value of assets, based on the assumed valuation rate of return. The amount recognized each year is 1/7 of the difference between market value and expected market value.

VALUATION METHOD: Entry age actuarial cost method. See Schedule E for a brief description of this method.



SCHEDULE E

ACTUARIAL COST METHOD

1. The valuation is prepared on the projected benefit basis, under which the present value, at the interest rate assumed to be earned in the future (currently 7.50%), of each member's expected benefits at retirement or death is determined, based on age, service and sex. The calculations take into account the probability of a member's death or termination of employment prior to becoming eligible for a benefit, as well as the possibility of his terminating with a service, disability or survivor's benefit. The present value of the expected benefits payable on account of the active members is added to the present value of the expected future payments to retired members, beneficiaries and members entitled to deferred vested benefits to obtain the present value of all expected benefits payable from the Fund on account of the present group of members and beneficiaries.
2. The employer contributions required to support the benefits of the Fund are determined following a level funding approach, and consist of a normal contribution and an unfunded actuarial accrued liability contribution.
3. The normal contribution is determined using the entry age actuarial cost method. Under this method, a calculation is made to determine the level amount which, if applied for the average member during the entire period of his anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on his behalf.
4. The unfunded actuarial accrued liability contributions are determined by subtracting the present value of prospective employer normal contributions and member contributions, together with the current actuarial value of assets, from the present value of expected benefits to be paid from the Fund.



SCHEDULE F

SUMMARY OF PROVISIONS

MEMBERSHIP

All persons who are members of the Georgia National Guard on and after July 1, 2002 are Members of the Fund.

BENEFITS

Retirement Allowance

Condition for Allowance

A member who has attained age 60 and has completed 20 or more years of creditable service, including at least 15 years, 10 of which immediately precede discharge, of Georgia National Guard duty, and who has received an honorable discharge, is entitled to a monthly allowance.

Amount of Allowance

The amount of the allowance is equal to \$50 per month for 20 years' creditable service with an additional \$5 per month for each additional year of creditable service, provided that the total allowance shall not exceed \$100 per month. The allowance is payable for the life of the member.

Deferred Retirement Allowance

Condition for Allowance

A member whose service is terminated after he has 20 years of creditable service, including at least 15 years, 10 of which immediately precede discharge, of Georgia National Guard duty, and who has received an honorable discharge, is eligible to receive a deferred retirement allowance commencing at age 60.

Amount of Allowance

The amount is the same as that for a service retirement.

CONTRIBUTIONS

The State makes annual contributions sufficient to meet the cost of the benefits under the Fund.