

**THE PRISON OFFICERS' PENSION FUND
OF NEW JERSEY
ANNUAL REPORT
OF THE ACTUARY
PREPARED AS OF JULY 1, 2008**



January 26, 2009

Board of Trustees
Prison Officers' Pension
Fund of New Jersey
Trenton, New Jersey

Members of the Board:

The law governing the operation of the Prison Officers' Pension Fund of New Jersey provides for annual actuarial valuations of the Fund. The results of the July 1, 2008 valuation are submitted in this report, which also includes a comparison with the preceding year's valuation.

The valuation shows the financial condition of the Fund as of July 1, 2008 and gives the basis for determining the required annual contribution for the plan year beginning July 1, 2008.

The valuation was prepared on the basis of the same assumptions as were employed for the previous valuation, which include an interest rate of 5% per year.

The report does not take into account broad declines in U.S. equity and bond prices, and increases in bond yields, that have occurred after the valuation date. Taking these into account may significantly reduce the market and actuarial value of assets shown. The effect of these events on any funded ratios shown, and on Retirement System calculations, is not known. Retirement System funding and financial accounting rules generally prohibit reflection of changes in assets and underlying economic conditions that occur after the valuation date.

To the best of our knowledge, this report is complete and accurate. The valuation was performed by, and under the supervision of, independent qualified actuaries who are members of the American Academy of Actuaries with experience in performing valuations for public retirement systems.

The valuation was prepared in accordance with the principles of practice prescribed by the Actuarial Standards Board and generally accepted actuarial procedures and methods. The calculations are based on the current provisions of the Fund, and on actuarial assumptions that are individually and in the aggregate internally consistent and reasonable based on the actual experience of the Fund.

The Table of Contents, which follows, highlights the Sections of the Report.

Respectfully submitted,

Janet H. Cranna, F.S.A., E.A., M.A.A.A.
Principal, Consulting Actuary

TABLE OF CONTENTS

<u>Section</u>	<u>Item</u>	<u>Page No.</u>
I	Summary of Key Results	1
II	Employee Data	5
III	Assets, Liabilities and Contributions	7
	A. Market Value of Assets as of June 30, 2008	
	B. Reconciliation of Market Value of Assets from June 30, 2007 to June 30, 2008	
	C. Reconciliation of Actuarial Value of Assets and Ledger Assets	
	D. Present Value of Benefits	
	E. Tracking of Unfunded Accrued Liability/(Surplus)	
	F. Development of Required Contribution	
	G. Fund Projection	
IV	Comments Concerning the Valuation	10
V	Accounting Information	11
<u>Appendix</u>		
A	Brief Summary of the Benefit and Contribution Provisions as Interpreted for Valuation Purposes	14
B	Outline of Actuarial Assumptions and Methods	16
C	Tabulations Used as a Basis for the 2008 Valuation	17
	- Table 1 – Service Retirements	
	- Table 2 – Ordinary Disability Retirements	
	- Table 3 – Accidental Disability Retirements	
	- Table 4 – Active Members’ Death Benefits	
	- Table 5 – Retired Members’ Death Benefits	

REPORT ON THE ANNUAL
VALUATION OF
THE PRISON OFFICERS' PENSION FUND
OF NEW JERSEY
PREPARED AS OF JULY 1, 2008

SECTION I - SUMMARY OF KEY RESULTS

The Prison Officer's Pension Fund of New Jersey was established under Chapter 220 of the Laws of 1941 and permitted prison officer members of the then State Employees' Retirement System to transfer to the new Fund. Effective January 1, 1960, the Fund was closed to new employees. This report, prepared as of July 1, 2008 presents the results of the annual actuarial valuation of the Fund.

For convenience of reference, the principal results of the valuation and a comparison with the preceding year's results are summarized on the following pages.

Valuation Date	July 1, 2008	July 1, 2007
<u>Participant Data</u>		
Active Members	0	0
Retired Members and Beneficiaries	<u>167</u>	<u>176</u>
Total Participants	167	176
Annual Compensation	\$ 0	\$ 0
Annual Retirement Allowances	\$ 1,161,501	\$ 1,215,956
<u>Assets</u>		
Market Value of Assets	\$ 12,890,441	\$ 13,499,361
Actuarial Value of Assets	\$ 12,890,441	\$ 13,499,361
<u>Contribution Amounts</u>		
Normal Contribution	\$ 0	\$ 0
Accrued Liability Contribution	<u>0</u>	<u>0</u>
Total Contribution	\$ 0	\$ 0

The major benefit and contribution provisions of the statute as reflected in the valuation are summarized in Appendix A. There were no changes from the provisions used in the previous valuation.

The actuarial assumptions and methods used for valuing the Fund are summarized in Appendix B. There were no changes in actuarial assumptions and methods since the previous valuation.

The combination of the plan provisions, actuarial assumptions and member and beneficiary data is used to generate the overall required level of employer contributions. The required contribution is developed in Section III F.

The valuation also generates a balance sheet which summarizes in some detail the total present and prospective assets and liabilities of the Fund. A summary comparison of the balance sheets as of July 1, 2007 and July 1, 2008 is set forth in the following table.

**TABLE I
COMPARATIVE BALANCE SHEET**

	2008	2007
<u>ASSETS</u>		
Market value of assets of Fund	\$ 12,890,441	\$ 13,499,361
Unfunded accrued liability/(surplus)	(6,101,424)	(6,120,975)
Total Assets	\$ 6,789,017	\$ 7,378,386
<u>LIABILITIES</u>		
Present value of benefits to present beneficiaries payable from the Retirement Reserve Fund	\$ 6,789,017	\$ 7,378,386
Present value of benefits to present active members	0	0
Total Liabilities	\$ 6,789,017	\$ 7,378,386

SECTION II - EMPLOYEE DATA

The data employed for the valuation was furnished to the actuary by the Division of Pensions and Benefits. Appendix C contains summary tables which present the number and retirement allowances of members classified by age. The following summarizes and compares the Fund membership as of July 1, 2007 and July 1, 2008 by various categories.

MEMBERSHIP - ACTIVE

- There have been no active participants in the Plan since July 1, 1994.

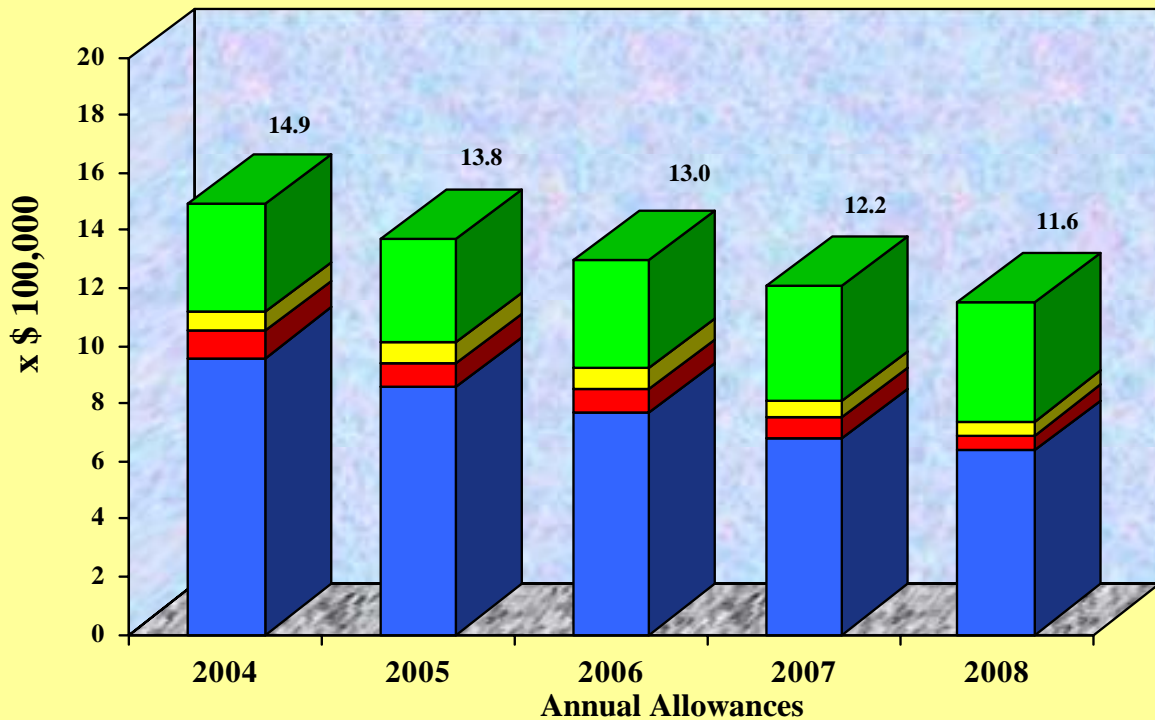
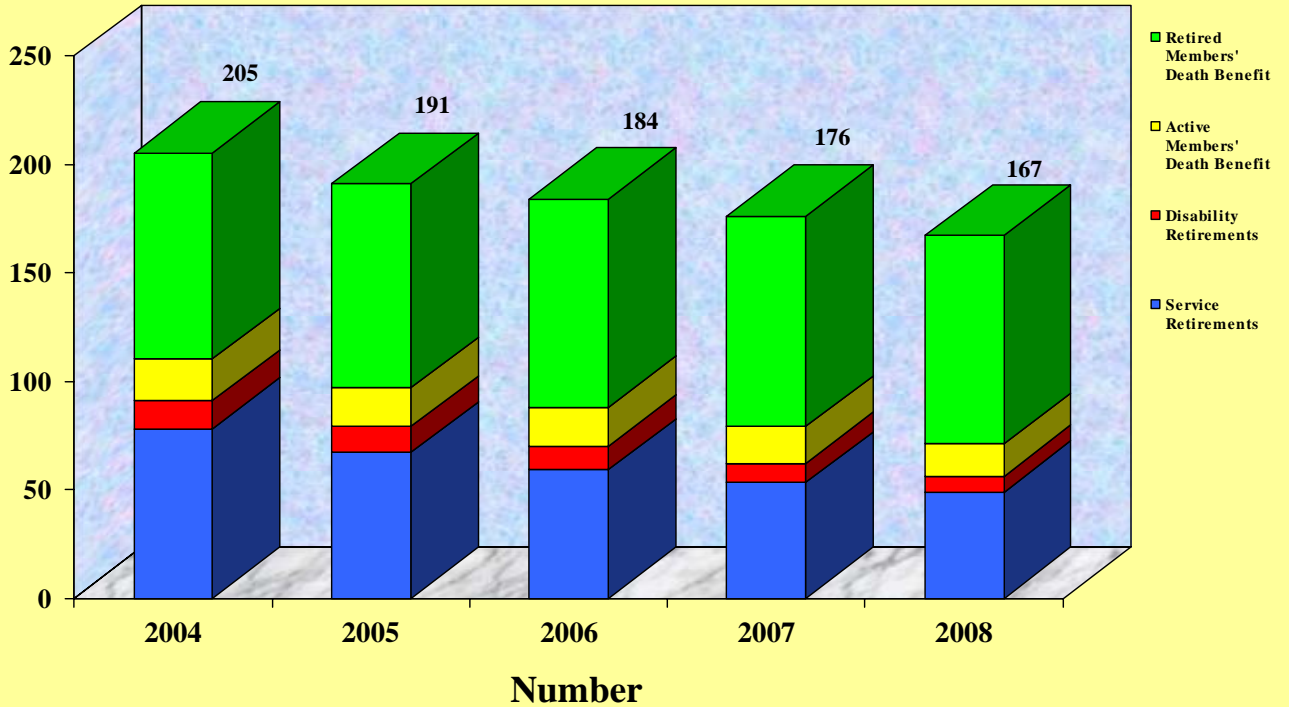
RETIRED MEMBERS AND BENEFICIARIES

GROUP	2008		2007	
	Annual Allowances	Annual Allowances	Number	Number
Service Retirements	49	\$ 643,510	53	\$ 680,831
Ordinary Disability Retirements	5	\$ 33,109	6	\$ 38,167
Accidental Disability Retirements	2	\$ 19,649	3	\$ 28,399
Active Members' Death Benefits	15	\$ 54,787	17	\$ 63,881
Retired Members' Death Benefits	96	\$ 410,446	97	\$ 404,678

Graphic presentations of the statistical data on membership for the five preceding years are shown on the following page.

THE PRISON OFFICERS' PENSION FUND OF NEW JERSEY

SUMMARY OF RETIRED PARTICIPATION



SECTION III - ASSETS, LIABILITIES AND CONTRIBUTIONS

A. Market Value of Assets as of June 30, 2008

1.	Assets		
	a.	Cash	\$ 256,584
	b.	Investment Holdings	12,766,635
	c.	Accrued Interest	999
	d.	Pension Adjustment Receivable	<u>91,163</u>
	e.	Total	\$ 13,115,381
2.	Liabilities		
	a.	Pension Payroll Payable	\$ 75,654
	b.	Pension Adjustment Payroll Payable	114,071
	c.	Withholdings Payable	31,366
	d.	Administrative Expense Payable	499
	e.	Other Accounts Payable	<u>3,350</u>
	f.	Total	\$ 224,940
3.	Receivable Contribution		\$ 0
4.	Market Value of Assets as of June 30, 2008 = (1(e)) – (2(f)) + (3)		\$ 12,890,441

B. Reconciliation of Market Value of Assets from June 30, 2007 to June 30, 2008

1.	Market Value of Assets as of June 30, 2007		\$ 13,499,361
2.	Increases		
	a.	Members' Contributions @ 6%	\$ 0
	b.	State Appropriations	0
	c.	Pension Adjustment	1,104,335
	d.	Investment Income	<u>546,187</u>
	e.	Total	\$ 1,650,522
3.	Decreases		
	a.	Retirement Allowances	\$ 1,145,705
	b.	Benefit Expense – Pension Adjustment	1,104,335
	c.	Administrative Expenses	<u>9,402</u>
	d.	Total	\$ 2,259,442
4.	Receivable Contribution		\$ 0
5.	Market Value of Assets as of June 30, 2008 = (1) + (2(e)) – (3(d)) + (4)		\$ 12,890,441

C. Reconciliation of Actuarial Value of Assets and Ledger Assets

1.	Actuarial Value of Assets (Retirement Reserve Fund)	\$	12,890,441
2.	Pension Adjustment Fund: A(2)(b) - A(1)(e)		<u>22,908</u>
3.	Total Ledger Assets	\$	12,913,349

D. Present Value of Benefits

1.	Active Members		
	a. Service Retirement	\$	0
	b. Death Before Retirement		0
	c. Death After Retirement		<u>0</u>
	d. Total	\$	0
2.	Service Retirees	\$	4,131,372
3.	Disability Retirees	\$	305,418
4.	Beneficiaries	\$	<u>2,352,227</u>
5.	Total = (1(d)) + (2) + (3) + (4)	\$	6,789,017

E. Tracking of Unfunded Accrued Liability/(Surplus)

1.	Unfunded Accrued Liability/(Surplus) as of July 1, 2007	\$	(6,120,975)
2.	Interest on (1) at 5.00%		(306,049)
3.	Contributions received		0
4.	Interest on 3 at 5.00%		<u>0</u>
5.	Expected Unfunded Accrued Liability/(Surplus) as of July 1, 2008 = (1) + (2) - (3) - (4)	\$	(6,427,024)
6.	Actual Unfunded Accrued Liability/(Surplus) as of July 1, 2008	\$	<u>(6,101,424)</u>
7.	Actuarial Loss/(Gain) = (6) - (5)	\$	325,600

F. Development of Required Contribution

1.	Present Value of Benefits as of July 1, 2008	\$	6,789,017
2.	Present Value of Future Contributions:		
	a. Future State Appropriations	\$	0
	b. Future Employee Contributions		0
	c. Future State Normal Contributions		0
	d. Total	\$	0
3.	Actuarial Value of Assets as of July 1, 2008	\$	12,890,441
4.	Actuarial Surplus: (1) – (2(d)) – (3)	\$	(6,101,424)
5.	Amortization of Loss/Gain	\$	0
6.	State Appropriations from prior valuation	\$	0
7.	State Appropriations Payable July 1, 2009: (5) + (6); not less than zero	\$	0

G. Fund Projection

The following is an estimate of the expected receipts and disbursements for the Fund over the next year. The projection is based on the assumptions set forth in Appendix B. All receipts and disbursements are assumed to occur mid-year.

Year	July 1 Fund Balance	State Appropriations	Member Contributions	Pension Payments	Interest
2008	\$ 12,890,441	\$ 0	\$ 0	\$ 1,112,801	\$ 617,041

SECTION IV - COMMENTS CONCERNING THE VALUATION

The variation in liabilities and contributions reflects the Fund's actual experience during the year. The Fund experienced a net actuarial loss during the year that ended June 30, 2008.

The actuarial loss was due to the investment return on actual Fund assets, which was less than expected, and beneficiaries of deceased members who are living longer than expected.

For valuation purposes, a 5.00% per annum rate of return on investments was assumed. The actual return on the Fund's actuarial value of assets was approximately 4.23% for the period July 1, 2007 through June 30, 2008.

The following outlines the effect of the primary actuarial experience components:

• Investment Loss (Gain)	\$	97,600
• Other Loss (Gain), including mortality, changes in employee data		<u>228,000</u>
• Total Actuarial Loss (Gain)	\$	325,600

SECTION V - ACCOUNTING INFORMATION

Statement No. 5 of the Governmental Accounting Standards Board, issued November 1986, established standards of disclosure of pension information by public retirement systems. Statement No. 25 of the Governmental Accounting Standards Board, issued November 1994, established financial reporting standards for defined benefit pension plans and for the notes to the financial statements of defined contribution plans of state and local governmental liabilities and superseded Statement No. 5 effective for periods beginning after June 15, 1996. Statement No. 27, Accounting for Pensions by State and Local Governmental Employers superseded Statement 5 for employers participating in pension plans and is effective for periods beginning after June 15, 1997. Statement No. 50, Accounting for Pensions by State and Local Governmental Employers amends the note disclosure and required supplementary information (RSI) of Statements No. 25 and No. 27 to conform with applicable changes adopted in Statements No. 43 and 45 for Postemployment Benefit Plans other than Pension Plans. Statement No. 50 is intended to improve the transparency of reported information about pensions by State and Local governmental plans and employers. Statement No. 50 is effective for periods beginning after June 15, 2007.

The information required by Statements No. 25, No. 27 and No. 50 is presented in the following tables. These include the development of the Annual Required Contribution (ARC), the development of the Net Pension Obligation (NPO), the Schedule of Funding Progress and the Schedule of Employer Contributions.

(A) Development of the Annual Required Contribution (ARC) as of June 30, 2010:

1. Actuarial Value of Plan Assets as of June 30, 2008		
(a) Valuation Assets as of June 30, 2008	\$	12,890,441
(b) Adjustment for Receivable Contributions included in (a)		<u>0</u>
(c) Valuation Assets as of June 30, 2008 for GASB Disclosure = (a) - (b)	\$	12,890,441
2. Actuarial Accrued Liability as of June 30, 2008 for GASB Disclosure	\$	6,789,017
3. Unfunded Actuarial Accrued Liability/(Surplus) as of June 30, 2008 = (2) – (1 (c))	\$	(6,101,424)
4. Amortization of Unfunded Actuarial Accrued Liability/(Surplus) over 1 year	\$	(6,101,424)
5. Normal Cost as of June 30, 2008	\$	0
6. Annual Required Contribution as of June 30, 2010		
(a) Annual Required Contribution as of June 30, 2008 = (4) + (5)	\$	(6,101,424)
(b) Interest Adjustment to June 30, 2010		<u>(625,396)</u>
(c) Annual Required Contribution as of June 30, 2010 = (a) + (b)	\$	(6,726,820)

(B) Development of the Net Pension Obligation (NPO) as of June 30, 2010:

1. Annual Required Contribution as of June 30, 2010	\$	(6,726,820)
2. Interest on Net Pension Obligation		(337,419)
3. Adjustment to Annual Required Contribution		<u>7,085,794</u>
4. Annual Pension Cost = (1) + (2) + (3)	\$	21,555
5. Expected Employer Contributions For Fiscal Year 2010	\$	0
6. Increase in Net Pension Obligation = (4) – (5)	\$	21,555
7. Net Pension Obligation at June 30, 2009		<u>(6,748,375)</u>
8. Net Pension Obligation at June 30, 2010 = (6) + (7)	\$	(6,726,820)

(C) Schedule of Funding Progress

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (b)	Unfunded Actuarial Accrued Liability (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	Unfunded Actuarial Accrued Liability as a Percentage of Covered Payroll <u>(b-a)</u> c
6/30/03	\$ 17,277,953	\$ 10,727,647	\$ (6,550,306)	161.1%	N/A	N/A
6/30/04	\$ 15,884,428	\$ 10,060,710	\$ (5,823,718)	157.9%	N/A	N/A
6/30/05	\$ 14,783,465	\$ 9,077,157	\$ (5,706,308)	162.9%	N/A	N/A
6/30/06	\$ 14,014,718	\$ 8,236,295	\$ (5,778,423)	170.2%	N/A	N/A
6/30/07	\$ 13,499,361	\$ 7,378,386	\$ (6,120,975)	183.0%	N/A	N/A
6/30/08	\$ 12,890,441	\$ 6,789,017	\$ (6,101,424)	189.9%	N/A	N/A

(D) Schedule of Employer Contributions

Fiscal Year	Annual Required Contribution	Employer Contribution	Percentage Contributed
2005	\$ 0	\$ 0	100.0%
2006	\$ 0	\$ 0	100.0%
2007	\$ 0	\$ 0	100.0%
2008	\$ 0	\$ 0	100.0%
2009	\$ 0	\$ 0	100.0%
2010	\$ 0	\$ 0	100.0%

(E) The information presented in the required supplementary schedules was determined as part of the actuarial valuation. Additional information follows:

Valuation Date	June 30, 2008
Actuarial Cost Method	Projected Unit Credit
Amortization Method	Level Dollar, closed
Remaining Amortization Period	1 year
Asset Valuation Method	Market Value
Actuarial Assumptions:	
Investment Rate of Return	5.00%

Vested Retirements Eligible upon termination of employment. Benefits are summarized as follows:

Termination with 10 or more years of service: Benefit is a deferred life annuity equal to 2% of AFC for service up to 30 years plus 1% for service over 30 years.

Termination with less than 10 years of service: Refund of accumulated deductions.

Ordinary Disability Retirement

Permanent and total disability for causes other than as a direct result of a traumatic event occurring during the performance of regular or assigned duties. Benefit is an immediate life annuity equal to 1/2 of AFC.

Accidental Disability Retirement

Permanent and total disabled as a direct result of a traumatic event occurring while performing regular or assigned duties. Benefit is an immediate life annuity equal to 2/3 of AFC.

Death Benefits

Death of member of system. Spouse must be married to member prior to retirement, or at least five years before member's death. Benefit is an annuity equal to 25% of member's AFC plus an additional 15% (25%) for one (two or more) surviving dependent child (children). If there is no spouse or if the spouse dies or remarries, 20% (35%, 50%) of AFC to one (two, three or more) surviving child (children). If there is no surviving spouse or children, 25% (40%) of AFC to one (two) dependent parent(s). The provision for a survivor annuity payable to dependent parents does not apply in the death of a retired member of the system.

Minimum benefits: Minimum spousal annuity is \$1,600 per annum. If no other benefit is payable prior to retirement, the member's beneficiary shall receive the accumulated deductibles.

3. Employee Contributions

Each member contributes 6% of compensation.

APPENDIX B

OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHODS

VALUATION INTEREST RATE: 5.0% per annum, compounded annually.

DEATHS AFTER RETIREMENT: Representative values of the Assumed Annual rates of mortality for current retirees are as follows:

Age	Service Retirement	Disability Retirement	Widows
40	.21%	.90%	.56%
45	.34	1.10	.68
50	.56	1.42	.87
55	.90	1.93	1.18
60	1.42	2.72	1.67
65	2.17	3.97	2.43
70	2.75	5.91	3.63
75	4.46	8.91	5.50
80	7.41	13.46	8.39
85	11.48	20.22	12.80

MARRIAGE: Husbands are assumed to be 3 years older than wives.

VALUATION METHOD:

The unfunded accrued liability (the difference between the present value of benefits and the valuation assets) was determined as of July 1, 1988 and was amortized over the 14-year period beginning July 1, 1989, and ending on July 1, 2002. Each year the amortization payments were adjusted to reflect any experience gains or losses that occurred during the previous plan year. All gains and losses were amortized over the remaining original amortization period. (Without any guidance, we have assumed that any unfunded accrued liability that develops after the July 1, 2001 valuation will be amortized over 1 year.)

ASSET VALUATION METHOD

Assets are valued at book value which is equivalent to market value.

APPENDIX C

TABULATIONS USED AS A BASIS FOR THE 2008 VALUATION

The following tables give the number and retirement allowances of retired members and beneficiaries classified by age as of July 1, 2008.

TABLE 1

**THE NUMBER AND ANNUAL RETIREMENT
ALLOWANCES OF RETIRED MEMBERS DISTRIBUTED
BY AGE AS OF JULY 1, 2008**

SERVICE RETIREMENTS

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
74	1	\$ 25,660		
75	1	12,752		
76	3	51,518		
77	3	48,045		
78	4	77,561		
79	6	73,843		
80	5	54,362		
81	3	20,765		
82	2	20,505		
83	1	8,710		
84	1	9,010		
85	3	48,061		
86	4	74,264		
87	2	23,606		
88	2	23,980		
89	4	39,945	1	\$ 7,389
90	1	5,619		
91	1	5,591		
94	1	12,325		
TOTAL	48	\$ 636,121	1	\$ 7,389

TABLE 2

**THE NUMBER AND ANNUAL RETIREMENT
ALLOWANCES OF RETIRED MEMBERS DISTRIBUTED
BY AGE AS OF JULY 1, 2008**

ORDINARY DISABILITY RETIREMENTS

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
73	1	\$ 7,701		
76	1	7,655		
78	1	6,124		
79	1	5,716		
80	1	5,913		
TOTAL	5	\$ 33,109	0	\$ 0

TABLE 3

**THE NUMBER AND ANNUAL RETIREMENT
ALLOWANCES OF RETIRED MEMBERS DISTRIBUTED
BY AGE AS OF JULY 1, 2008**

ACCIDENTAL DISABILITY RETIREMENTS

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
80	1	\$ 7,258		
82	1	12,391		
TOTAL	2	\$ 19,649	0	\$ 0

TABLE 4

**THE NUMBER AND ANNUAL RETIREMENT
ALLOWANCES OF BENEFICIARIES DISTRIBUTED
BY AGE AS OF JULY 1, 2008**

ACTIVE MEMBERS' DEATH BENEFITS

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
55			1	\$ 5,174
74	1	\$ 2,976		
75			1	7,622
76			1	3,535
78	1	3,268	1	2,798
79			1	5,431
80			1	2,428
82			1	5,714
83			4	9,359
86			1	2,672
89			1	3,810
TOTAL	2	\$ 6,244	13	\$ 48,543

TABLE 5

**THE NUMBER AND ANNUAL RETIREMENT
ALLOWANCES OF BENEFICIARIES DISTRIBUTED
BY AGE AS OF JULY 1, 2008**

RETIRED MEMBERS' DEATH BENEFITS

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
68			1	\$ 7,533
70			1	3,894
72			1	9,745
73			2	6,420
74			2	10,687
75			2	10,650
76			1	4,758
77			4	20,070
78			3	12,537
79			5	20,210
80			8	46,133
81			6	23,637
82			2	8,171
83			9	44,666
84			5	37,811
85			5	17,843
86			7	29,404
87			4	15,404
88			5	15,528
89			5	14,672
90			2	11,070
91			2	4,963
92			2	6,820
93			3	6,355
94			3	6,122
95			1	2,487
97			2	5,600
99			2	5,657
107			1	1,600
TOTAL	0	\$ 0	96	\$ 410,446