THE CONSOLIDATED POLICE AND FIREMEN'S PENSION FUND OF NEW JERSEY ANNUAL REPORT OF THE ACTUARY PREPARED AS OF JULY 1, 2008



January 26, 2009

Commission
Consolidated Police and Firemen's Pension
Fund of New Jersey
Trenton, New Jersey

Ladies and Gentlemen:

The law governing the operation of The Consolidated Police and Firemen's 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 Plan 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 a 2.00% per annum rate of investment return.

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,

Ash

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

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REPORT ON THE ANNUAL VALUATION OF THE CONSOLIDATED POLICE AND FIREMEN'S PENSION FUND OF NEW JERSEY PREPARED AS OF JULY 1, 2008

SECTION I - SUMMARY OF KEY RESULTS

The Consolidated Police and Firemen's Pension Fund of New Jersey was established by Chapter 358, P.L. 1952. 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
Participant Data		
Active Members Retired Members and Beneficiaries Total Participants	0 <u>532</u> 532	0 <u>620</u> 620
Annual Compensation Annual Retirement Allowances	\$ 0 3,664,694	\$ 0 4,317,804
Assets Market Value of Assets Actuarial Value of Assets	\$ 14,438,781 16,962,382	\$ 16,618,771 19,858,423
Contribution Amounts Normal Contribution Accrued Liability Contribution*	\$ 0 364,248	\$ 0
Total Contribution	\$ 364,248***	\$ 1,256,398**

^{*} The unfunded accrued liability has been amortized over a period of one year.

** The required contribution could be subject to reduction in accordance with the provisions of the Appropriation Act for fiscal year 2009.

^{***} The required contribution could be subject to reduction in accordance with the provisions of the Appropriation Act for fiscal year 2010.

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.

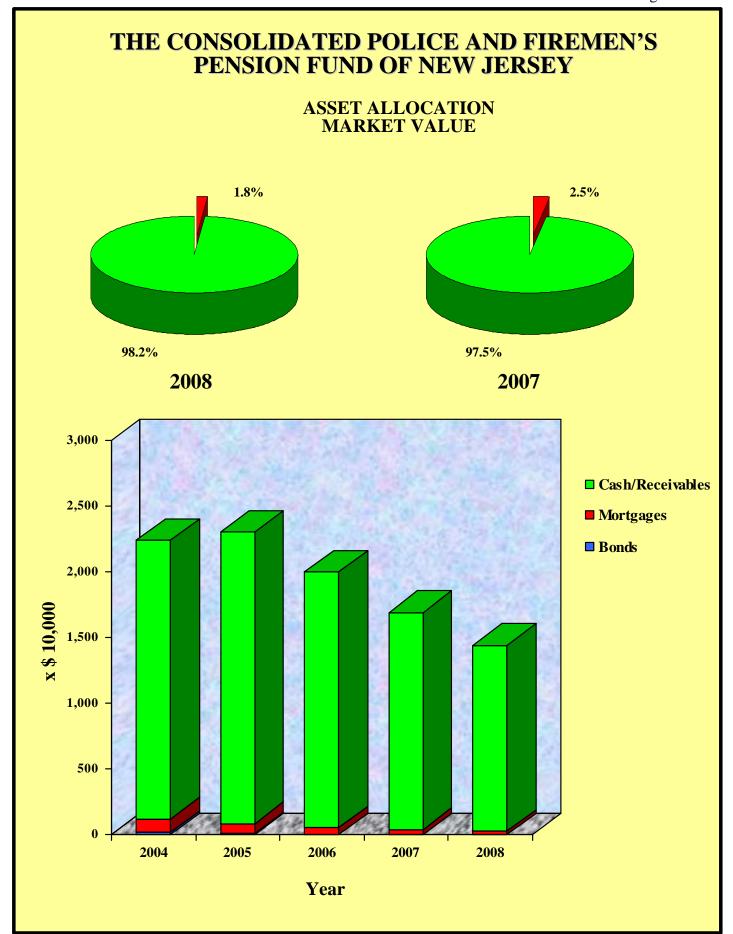
The combination of the plan provisions, actuarial assumptions and member and beneficiary data is used to generate the overall required level of State contributions. The required State contribution is developed in Section III E.

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. The allocation of assets among the various investment alternatives is shown in graphic form on page 5.



TABLE I COMPARATIVE BALANCE SHEET

	2008	2007
<u>ASSETS</u>		
Actuarial value of assets of Fund	\$ 16,962,382	\$ 19,858,423
Unfunded accrued liability/(surplus)	357,106	1,231,763
Total Assets	\$ 17,319,488	\$ 21,090,186
<u>LIABILITIES</u>		
Present value of benefits to present beneficiaries payable from the Retirement Reserve Fund	\$ 17,319,488	\$ 21,090,186
Present value of benefits to present active members	0	0
Total Liabilities	\$ 17,319,488	\$ 21,090,186



SECTION II - EMPLOYEE DATA

The data employed for the valuations were 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.

ACTIVE MEMBERSHIP

• There have been no active participants in the Plan since July 1, 1992.

RETIRED MEMBERS AND BENEFICIARIES

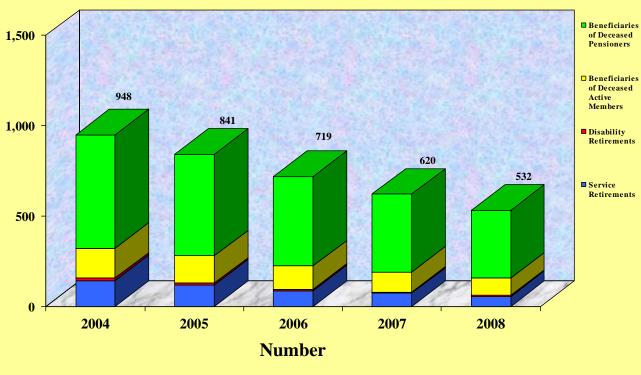
	2	008		2007				
CDOUD		Annual				Annual		
GROUP	Number	A	llowances	Number	A	Allowances		
Service Retirements	54	\$	695,184	73	\$	926,688		
Ordinary Disability Retirements	5	\$	18,719	5	\$	18,719		
Accidental Disability Retirements	1	\$	5,950	1	\$	5,950		
Beneficiaries of Deceased Pensioners	376	\$	2,454,127	431	\$	2,802,875		
Beneficiaries of Deceased Active Employees	96	\$	490,714	110	\$	563,572		

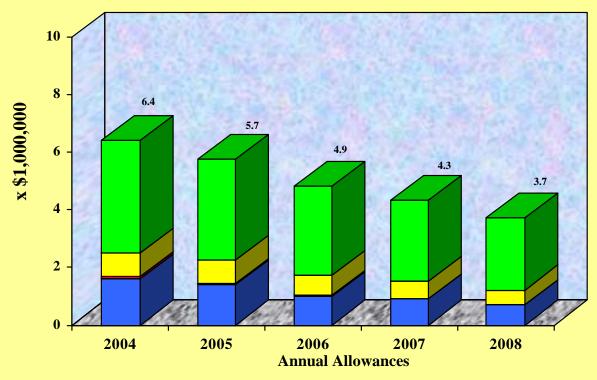
Graphic presentations of the statistical data on membership for the five preceding years are shown on the following page.



THE CONSOLIDATED POLICE AND FIREMEN'S PENSION FUND OF NEW JERSEY

SUMMARY OF RETIRED PARTICIPATION





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

	1.	Assets		
		a. Cash	\$	163,325
		b. Investment Holdings		12,511,670
		c. Accrued Interest on Investments		1,498
		d. Accounts Receivable - Other		888,112
		e. Administrative Expense Receivable		32,738
		f. Employers' Contributions Receivable – Pension Adjustmentg. Total	\$	479,700 14,077,043
	2.	Liabilities		
		a. Pension Payroll Payable	\$	255,662
		b. Pension Adjustment Payroll Payable		540,607
		c. Withholdings Payable		64,398
		d. Administrative Expense Payable		1,822
		e. Accounts Payable – Other	Φ.	32,171
		f. Total	\$	894,660
	3.	Preliminary Market Value of Assets as of June 30, 2008 = $1(g) - 2(f)$	\$	13,182,383
	4			
	4.	State Appropriations Receivable	\$	1,256,398
	5.	Market Value of Assets as of June 30, 2008= 3. + 4.	\$	14,438,781
В.	·	nciliation of Market Value of Assets from June 30, 2007 to June		
	1.	Market Value of Assets as of June 30, 2007	\$	16,096,595
	2.	Increases	Φ.	722 000
		a. State Appropriations	\$	523,000
		b. Administrative Revenue – Local		27,881
		c. Pension Adjustmentd. Investment Income		6,515,308 438,350
		e. Total	\$	7,504,539
	3.	Decreases		
		a. Retirement Allowances	\$	3,883,292
		b. Benefit Expense – Pension Adjustment		6,515,308
		c. Miscellaneous Expense		0
		d. Administrative Expenses		20,151
		e. Total	\$	10,418,751
	4.	Preliminary Market Value of Assets as of June 30, 2008	ф	12 102 202
		= 1. + 2(e) - 3(e)	\$	13,182,383
	5.	State Appropriations Receivable	\$	1,256,398
	6.	Market Value of Assets as of June 30, 2008		
		=4.+5.	\$	14,438,781



C. <u>Development of Actuarial Value of Assets as of July 1, 2008</u>

1.	Actuarial Value of Assets as of July 1, 2007 (without State Appropriations Receivable)	\$ 19,336,247
2.	Net Cash Flow excluding Investment Income and receivable Employer Contributions	(3,352,562)
3.	Expected Investment Income at 2.0%:	
	a. Interest on Assets as of July 1, 2007	\$ 386,725
	b. Interest on Net Cash Flow	 (33,526)
	c. Total	\$ 353,199
4.	Expected Actuarial Value of Assets as of July 1, 2008 = 1. + 2. + 3 (c)	\$ 16,336,884
5.	20% of Difference from Preliminary Market Value of Assets	(630,900)
6.	State Appropriations Receivable	 1,256,398
7.	Actuarial Value of Assets as of July 1, 2008 $= 4. + 5. + 6.$	\$ 16,962,382

D. <u>Present Value of Benefits</u>

1. Active Members

	a. Service Retirementb. Death After Retirement	\$ 0
	c. Total: $(a) + (b)$	\$ 0
2.	Service Retirees	3,368,510
3.	Disability Retirees	111,810
4.	Beneficiaries of Deceased Pensioners	11,877,882
5.	Beneficiaries of Deceased Active Employees	 1,961,286
6.	Total Present Value of Benefits $= 1(c) + 2. + 3. + 4. + 5.$	\$ 17,319,488

E. Development of State Contribution

1.	Present Value of Benefits as of July 1, 2008	\$ 17,319,488
2.	Actuarial Value of Assets	 16,962,382
3.	Unfunded Accrued Liability/(Net Surplus) = $1 2$.	\$ 357,106
4.	Amortization Years Remaining*	1
5.	Total State Contribution as of July 1, 2008	\$ 357,106
6.	Total State Contribution as of July 1, 2009	\$ 364,248

^{*}The latest unfunded accrued liability payment schedule required the amortization of any plan gains or losses over the remainder of the 9 year period that began on June 30, 1991. Without additional guidance, we have assumed the immediate payment of any unfunded accrued liability.



SECTIO 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 experience loss is primarily due to an actual return on Fund assets less than that expected. For valuation purposes, a 2.0% per annum rate of return was assumed. The actual return on the Fund's actuarial value of assets was approximately (1.57)% for the period from July 1, 2007 through June 30, 2008.

There was an offsetting experience gain due to the mortality experience among the retired participants and beneficiaries of the Fund.

The following shows the development of the actuarial experience and identifies the major experience components:

A. Calculation of Actuarial Experience for the Year Ended June 30, 2008

	1.	Unfunded Accrued Liability as of July 1, 2007	\$ 1,231,763
	2.	Interest on 1. at 2.0%	24,635
	3.	Contributions Receivable	1,256,398
	4.	Interest on 3.	 0
	5.	Expected Unfunded Accrued Liability as of July 1, 2008 = 1. + 2 3 4.	\$ 0
	6.	Actual Unfunded Accrued Liability as of July 1, 2008	\$ 357,106
	7.	Actuarial Loss/(Gain) = $6 5$.	\$ 357,106
В.	Com	ponents of Actuarial Experience	
	1.	Investment Loss/(Gain)	\$ 630,900
	2.	Other Loss/(Gain), including mortality and changes in employee data	 (273,794)
	3.	Total Actuarial Loss/(Gain) Loss = $1. + 2$.	\$ 357,106

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.



$(A) \quad \underline{Development\ of\ the\ Annual\ Required\ Contribution\ (ARC)\ as\ of\ June\ 30,2010}$

1.	Actuarial Value of Plan Assets as of June 30, 2008		
	(a) Valuation Assets as of June 30, 2008	\$	16,962,382
	(b) Adjustment for Receivable Contributions included in (a)		1,256,398
	(c) Valuation Assets as of June 30, 2008 for GASB Disclosure = (a) - (b)	\$	15,705,984
2.	Actuarial Accrued Liability as of June 30, 2008 for GASB Disclosure	\$	17,319,488
3.	Unfunded Actuarial Accrued Liability/(Surplus) as of June 30, 2008 = 2 1 (c)	\$	1,613,504
4.	Amortization of Unfunded Actuarial Accrued Liability/(Surplus) over 1 year	\$	1,613,504
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.	\$	1,613,504
	(b) Interest Adjustment to June 30, 2010		65,186
	(c) Annual Required Contribution as of June 30, 2010 = (a) + (b)	\$	1,678,690
(B)	Development of the Net Pension Obligation (NPO) as of June 30, 201	<u>10</u> :	
1.	Annual Required Contribution as of June 30, 2010	\$	1,678,690
2.	Interest on Net Pension Obligation		11,368
3.	Adjustment to Annual Required Contribution		(579,768)
4.	Annual Pension Cost = $1. + 2. + 3$.	\$	1,110,290
5.	Expected Employer Contributions for Fiscal Year 2010		364,248
6.	Increase in Net Pension Obligation = 4 5.	\$	746,042
7.	Net Pension Obligation at June 30, 2009		568,400
8.	Net Pension Obligation at June 30, 2010 = 6. + 7.	\$	1,314,442

C. Schedule of Funding Progress

Actuarial Valuation Date	Va	Actuarial alue 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 (b-a) c
6/30/03 6/30/04 6/30/05 6/30/06	\$ \$ \$	27,623,585 21,735,396 21,886,445 22,453,828	\$ \$ \$	41,396,376 35,052,202 30,031,591 24,749,667	\$ \$ \$	13,772,791 13,316,806 8,145,146 2,295,839	66.7% 62.0% 72.9% 90.7%	\$ \$ \$	0 0 0	N/A N/A N/A N/A
6/30/07 6/30/08	\$ \$	19,336,247 15,705,984	\$ \$	21,090,186 17,319,488	\$ \$	1,753,939 1,613,504	91.7% 90.7%	\$ \$	0 0	N/A N/A

D. Schedule of Employer Contributions

Fiscal Year	Annual Required Contribution			Employer ontribution	Percentage Contributed
2005 2006 2007 2008 2009	\$ \$ \$ \$	14,329,212 13,854,805 8,474,210 2,388,591 1,824,798	\$ \$ \$ \$	7,046,000 6,397,000 1,784,000 523,000 1,256,398	49.2% 46.2% 21.1% 21.9% 68.9%
2010	\$	1,678,690	\$	364,248	21.7%

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 5 year average of market value

Actuarial Assumptions:

Investment Rate of Return 2.00%



APPENDIX A

BRIEF SUMMARY OF THE BENEFIT AND CONTRIBUTION PROVISIONS AS INTERPRETED FOR VALUATION PURPOSES

Eligibility for Membership

Member of a municipal police department, municipal paid or part-paid fire department or county police department, or a paid or part-paid fire department of a fire district located in a township who has contributed to this pension fund; and who is not covered by the Police and Firemen's Retirement System which became effective on July 1, 1944.

<u>Active Member</u>: Any member who is a policeman, fireman, detective, lineman, driver of police van, fire alarm operator, or inspector of combustibles and who is subject to call for active service as such.

Employee Member: Any member who is not subject to active service or duty.

1. <u>Definitions</u>

Plan Year The 12-month period beginning on July 1 and ending on June 30.

Service Service rendered while a member as described above.

Compensation Base salary; not including individual salary adjustments which are granted

primarily in anticipation of retirement or additional remuneration for performing temporary duties beyond the regular work day. (Effective June 30, 1996 Chapter 113, P.L. 1997 provided that the amount of compensation used for employer and member contributions and benefits under the program cannot exceed the compensation limitation of Section 401(a)(17) of the

Internal Revenue Code.)

Final

Compensation Compensation received during the last 12 months of service preceding retire-

ment or termination of service.

Average Salary Salary averaged over the last three years prior to retirement or other

termination of service.



2. Benefits:

Service Retirement

Mandatory retirement at age 65 with 25 years of service (a municipality may retain the Chief of Police until age 70). Voluntary retirement after 25 years of service for an active member and after age 60 with 25 years of service for an employee member. Benefit is life annuity equal to 60% of final compensation, plus 1% of final compensation for years of service in excess of 25.

Death Benefit

While on duty:

Immediate life annuity equal to 70% of average salary payable to the spouse. If there is no spouse or if the spouse dies or remarries, 20% of final compensation will be payable to one surviving child and 35% (50%) of final compensation will be payable, to two (three) surviving children. If there is no surviving spouse or child, 25% (40%) of final compensation will be payable to one (two) surviving dependent parent(s). The minimum spousal annuity is \$4,500 per annum.

While not on duty after retirement:

Life annuity equal to 50% of the member's average salary payable to the spouse, plus 15% (25%) to one (two or more) surviving child (children). If there is no surviving spouse or if the surviving spouse dies or remarries, 20% (35%, 50%) of the member's average salary to one (two, three or more) surviving child (children). In the event that there is no surviving spouse or child, 25% (40%) of the member's average salary will be payable to one (two) dependent parent(s). The minimum spousal annuity is \$4,500 per annum.

Ordinary Disability Retirement

Totally and permanently incapacitated from service for any cause other than as a direct result of a traumatic event occurring during the performance of duty. Benefit is an immediate life annuity equal to 1/2 of average salary.

Accidental Disability Retirement

Totally and permanently incapacitated 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 average salary.

3. <u>Contributions</u> Each active member contributes 7% of his salary to the pension fund.

APPENDIX B

OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHODS

VALUATION INTEREST RATE: 2.00% per annum, compounded annually for development of costs.

DEATHS AFTER RETIREMENT: Rates vary by age. Representative values of the assumed orders of mortality are as follows:

	Lives Per 1,000						
Age	Service Pensioners	Disability Pensioners	Widows				
50	6.2	12.8	2.2				
55	9.9	17.4	3.3				
60	15.6	24.5	5.5				
65	23.9	35.7	9.6				
70	30.3	53.2	16.5				
75	49.1	80.2	32.4				
80	81.5	121.1	56.1				
85	126.3	182.0	89.2				

MARRIAGE: Males are assumed to be 4 years older than females, no assumption was made as to children.

For those participants with listed beneficiaries, the beneficiary allowance was assumed to be the greater of twice the amount contained in the record or the minimum of \$4,500/yr. (The information contained in the record has not been updated for the change from 25% to 50% payment to the survivor.)

For those participants without listed beneficiaries, 65% were assumed to be married and the beneficiary amount was assumed to be the minimum benefit payable (\$4,500/yr.).

Actuarial Method: The unfunded accrued liability was measured as of June 30, 1990 and the accrued liability contribution rate was then determined such that the unfunded accrued liability was to be amortized over a period of 9 years with contributions expected to remain constant.

> In determining the unfunded accrued liability and the contribution rate, the actuarial value of assets as of June 30, 1990 was based upon 100% of the market value of system assets. For subsequent actuarial valuations, the actuarial value of assets is adjusted to reflect actual contributions and benefit payments, an assumed rate of return on the previous year's assets and current year's cash flow at an annual rate of 2.00% with an adjustment to reflect 20% of the difference between the resulting value and the actual market value of System assets.

> In developing the unfunded accrued liability contribution rate as of June 30, 1991 and subsequent years, the contribution rate is adjusted to amortize any gains or losses over the remainder of the 9-year period. (Without additional guidance, we have assumed that the unfunded accrued liability determined as of June 30, 2008 will be amortized over 1 year.)

APPENDIX C

TABULATIONS USED AS A BASIS FOR THE 2008 VALUATION

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



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

SERVICE RETIREMENTS

	N	MEN		WOMEN		
AGE	NUMBER	AMOUNT		NUMBER	AMOUNT	
86	1	\$	44,740			
88	1		32,757			
89	2		51,834			
90	6		86,715			
91	4		78,294			
92	7		60,080			
93	12		174,606			
94	4		32,323			
95	6		55,568	1	\$	8,527
96	2		15,608			
97	1		16,958			
98	4		16,577			
101	2		16,252			
106	1		4,345			
TOTAL	53	\$	686,657	1	\$	8,527

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

ORDINARY DISABILITY RETIREMENTS

	MEN			WOMEN		
AGE	NUMBER	A	MOUNT	NUMBER	AMOUNT	
88	1	\$	3,065			
90	1		2,892			
92	1		5,377			
94	1		5,852			
96	1		1,533			
TOTAL	5	\$	18,719			

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

ACCIDENTAL DISABILITY RETIREMENTS

MEN				WOMEN		
AGE	NUMBER	A	MOUNT	NUMBER	AMOUNT	
92	1	\$	5,950			
TOTAL	1	\$	5,950			

TABLE 4

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

ACTIVE MEMBERS' DEATH BENEFITS

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

RETIRED MEMBERS' DEATH BENEFITS