
**Firemen's Annuity and Benefit
Fund of Chicago, Illinois**

Actuarial Valuation Report

For the Year Ending December 31, 2001

April 2002



Gabriel, Roeder, Smith & Company
Actuaries and Consultants



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April 11, 2002

Retirement Board of the
Firemen's Annuity and Benefit Fund of Chicago
Suite 2550
One North Franklin Street
Chicago, IL 60606

Actuarial Certification

At your request, we have performed an actuarial valuation for the Firemen's Annuity and Benefit Fund of Chicago ("the Fund") as of December 31, 2001. This valuation has been performed to measure the funding status of the Fund and determine the contribution levels for 2002. In addition, it includes disclosure information required under GASB Statement No. 25 and Statement No. 27. The assumptions and methods used were selected by the actuary and meet the parameters set for the disclosure presented in the financial section by Government Accounting Standards Board (GASB) Statement No. 25. These actuarial valuations of the Fund are performed annually.

We have provided the supporting schedules for the actuarial section of the comprehensive annual financial report, including:

- Schedule of Active Member Data
- Retirements and Beneficiaries Added to and Removed from Rolls
- Solvency (Termination) Test
- Analysis of Financial Experience

We have also provided the following schedules in the financial sections of the report. We relied on information from the prior actuary for years before 1999.

- Schedule of Funding Progress
- Schedule of Employer Contributions

This valuation is based upon:

- a) **Data relative to the members of the Fund** — Data for active members was provided by the Fund's staff. Data utilized for persons receiving benefits from the Fund was also provided by the Fund's staff. We have tested this data for reasonableness.

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Appendix 1
Results of Actuarial Valuation

SUMMARY OF VALUATION RESULTS

This report sets out the results of the actuarial valuation of the Firemen's Annuity and Benefit Fund of the City of Chicago ("Fund") as of December 31, 2001. The purposes of this valuation are:

1. To develop the minimum actuarially determined contribution for 2002.
2. To develop the annual required contributions (ARC) under GASB #25.
3. To develop the annual pension cost under GASB #27.
4. To review the funding status of the Fund.

The funding status in basic terms, is a comparison of the fund's liabilities to assets expressed as either unfunded liability or as a ratio of assets to liabilities. This comparison can be measured in various ways. Fund liabilities are dependent on the actuarial assumptions and actuarial cost method. Fund assets can be measured at market value, book value, or some variation to smooth the fluctuations that invariably occur from year to year.

For State reporting, as well as for Fund and City financial reports, the funding status is measured using liabilities under the Entry Age Normal funding method and the Actuarial (Market Related) Value of Assets.

The Actuarial (Market-Related) Value of Assets is determined from market value with investment gains and losses smoothed over a five-year period. The actuarial assumptions used to determine the liabilities are the same in all three measures.

Comments on Results

For State reporting purposes, the minimum actuarially determined contribution for the year ending December 31, 2001 is \$131.2 million including estimated employee contributions of \$26.1 million. This is 47.22% of the total payroll for the Fund and a \$1.3 million increase over the minimum actuarial contribution for 2000.

The annual required contributions (ARC) under GASB #25 for the year ending December 31, 2002 is \$105.1 million, which is 37.81% of the total payroll. This amount is net of estimated employee contributions of \$26.1 million. The 2002 ARC of \$105.1 million compares with the 2001 ARC of \$104.0 million. The ARC is determined using an actuarial value of assets and a forty-year level dollar amortization of the unfunded actuarial liability.

The funding status increased slightly from the prior year. The unfunded liability decreased from \$834 million to \$824 million and the funding ratio increased from 59.39% to 60.19% using the smoothed Actuarial (Market Related) Value of Assets. The funded ratio is 53.41% when the market value of assets is compared to GASB #25 actuarial liabilities.

Plan contributions and funded ratios (based on market-related asset values) remained stable from the prior year levels. A number of factors combined to produce this result.

- The average annual salary remained level; the assumed salary increase rate was 5.0%.
- There were fewer retirements from active service and more annuitant deaths than expected.
- The employer cost in excess of actual contributions was approximately \$37.6 million.
- Plan assets earned less than the assumed 8% return. This resulted in a loss on the market-related value of assets of \$21.6 million compared to a loss of \$169.7 million on market value of assets.

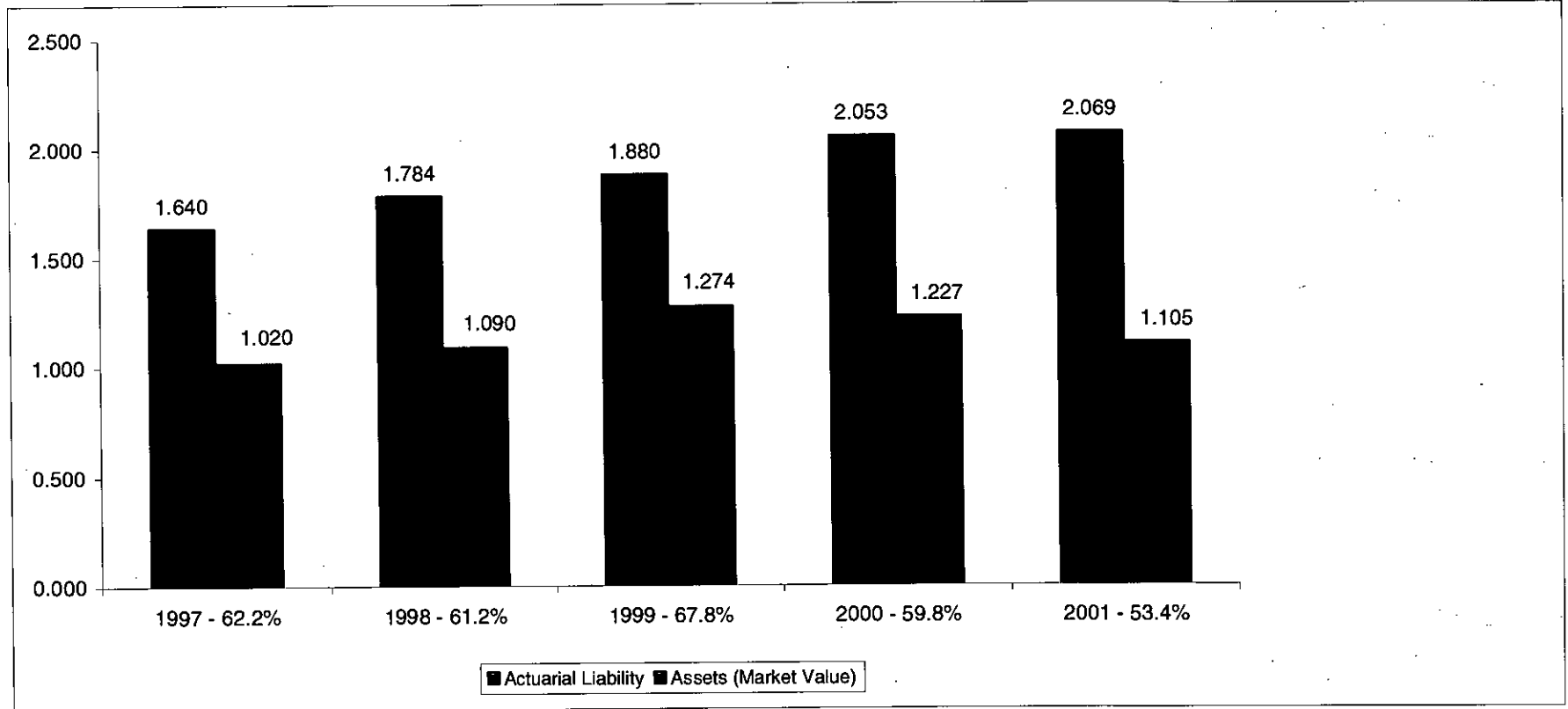
A more thorough examination of these and other factors can be found in the Reconciliation of Unfunded Liability section and the gain/loss calculation of Table 3.

A summary of the primary results of this valuation is shown in the following table.

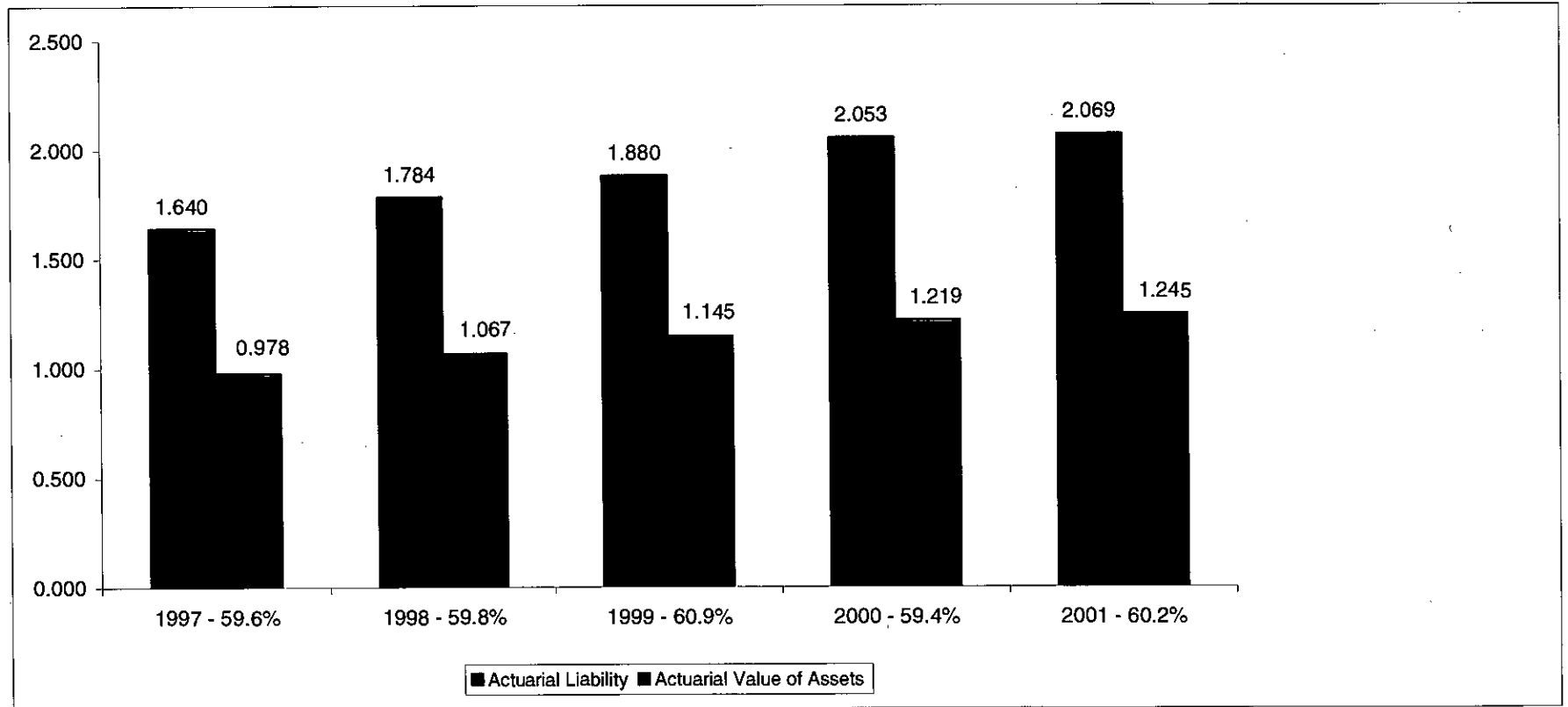
	December 31, 2000		December 31, 2001	
	\$ in Millions	% of Pay ¹	\$ in Millions	% of Pay ¹
Contribution Levels				
Minimum Actuarially Determined Contribution (State Reporting)	\$ 129.9	47.21	\$ 131.2	47.22
Annual Required Contribution (GASB 25)	103.8	37.81	105.1	37.81
Funding Status -- State/GASB #25				
Market-Related Value of Assets	\$ 1,219.5	443.28	\$ 1,245.1	447.95
Actuarial Liability	2,053.3	746.38	2,068.7	744.24
Funding Ratios	59.39%	N/A	60.19%	N/A
Funding Status -- Market Value				
Market Value of Assets	\$ 1,226.8	445.95	\$ 1,104.9	397.51
Actuarial Liability	2,053.3	746.38	2,068.7	744.24
Funding Ratios	59.75%	N/A	53.41%	N/A
Funding Status -- Book Value				
Book Value of Assets	\$ 1,148.2	417.36	\$ 1,065.6	383.35
Actuarial Liability	2,053.3	746.38	2,068.7	744.24
Funding Ratios	55.92%	N/A	51.51%	N/A

¹Payroll for 2000 was \$275.1 million and for 2001 was \$278.0 million.

COMPONENTS OF FUNDING RATIO BASED ON MARKET VALUE (\$ in Billions)



COMPONENTS OF FUNDING RATIO GASB #25 / STATE REPORTING (\$ in Billions)



Participants

The major characteristics of the data on the members of the Fund are summarized as follows:

	December 31, 2000	December 31, 2001
Active Participants:		
Number	4,878	4,930 *
Average Age	42.4	42.6
Average Service	14.2	14.3
Average Annual Salary	\$ 56,397	\$ 56,382
Retirees:		
Number	2,538	2,422
Average Age	71.1	71.0
Average Monthly Benefit	\$ 3,038	\$ 3,171
Survivors:		
Number	1,542	1,421
Average Age	75.5	75.3
Average Monthly Benefit	\$ 1,081	\$ 1,195

* Includes two participants on ordinary disability who continue to accrue benefit service.

Total participants receiving benefits under the Fund, including disability, widow, and children, decreased (5.3%) during 2001 from 4,614 to 4,370. Total expenditures for these benefits increased from \$124.6 million in 2000 to \$133.3 million during 2001, or 7.0%.

Changes in Provisions of the Fund

There were no changes in the provisions of the Fund in 2001.

Analysis of Actuarial Assumptions

Actuarial assumptions are used to project future demographic and economic expectations for purposes of valuing the liabilities of the plan. The assumptions should reflect current patterns. However, their primary orientation is the long-term outlook for each factor affecting the valuation. Thus, while actual experience will fluctuate over the short run, actuarial assumptions are chosen in an attempt to model the future long run experience.

There are two general types of actuarial assumptions:

1. Demographic Assumptions - reflect the flow of participants into and out of a retirement system, and
2. Economic Assumptions - reflect the effect of the economic climate on a retirement system.

Demographic assumptions can be readily studied over recent plan experience. Economic assumptions can be studied against recent experience; however, future experience is more likely to be a result of outside factors than of plan specifics. The most significant demographic assumptions are: active turnover, retirement, and post-retirement mortality. The most significant economic assumptions are: pay increases, investment return, and inflation. Other actuarial assumptions include: disability incidence, active mortality, and percent married.

Asset Valuation Method

The method used to develop the Fund's Actuarial Value of Assets is as follows: In years when Fund assets earn above 8% (i.e., experience gain) or below 8% (i.e., experience loss) the gain (or loss) will be gradually recognized over five years. This approach both smoothes the Fund's level of contribution and insures the Fund's assets will track the market value of assets.

2001 Experience Analysis

The Fund had an investment loss in 2001 of \$169.7 million relative to the 8% expected rate of return on a market value basis. The loss on the Actuarial (Market-Related) Value of Assets relative to the 8% expected rate of return was \$21.6 million due to the deferred recognition of investment gains and losses.

The pay increase assumption consists of two parts, a base salary increase (3%) and a longevity-based increase (2%). Overall, the average salary for 2001 did not increase from the 2000 salary. When comparing members active in both 2000 and 2001 the average salary increase was 2.1%. This was below our aggregate assumption of 5% resulting in an actuarial gain of approximately \$43.0 million.

The combination of retirements less than expected, coupled with greater than expected mortality among participants currently receiving benefits resulted in a net actuarial gain of \$19.3 million. Gains and losses from all other sources resulted in a net gain of \$7.2 million. This is about 0.4% of the December 31, 2001 liabilities, well within the range of reasonable variation.

Conclusion

Based on our analysis of the experience we believe that the current assumptions are doing a reasonable job of modeling actual experience. An update of the disability mortality assumption may be necessary once we have sufficient data available to track this assumption. Table 3 of Appendix 1 shows a more detailed development of the actuarial gains and losses for the year.

TABLE 1
SUMMARY

	<u>December 31,</u> <u>2000</u>	<u>December 31,</u> <u>2001</u>
<u>Assets</u>		
Market Value - Beginning of Year	\$1,274,319,705	\$1,226,825,840
<u>Income</u>		
Investment Income Net Expenses	(\$9,596,382)	(\$73,525,244)
Employer Contributions	65,928,675	60,399,909
Employee Contributions	24,911,009	27,615,475
Miscellaneous	41,254	62,437
Subtotal	<u>\$ 81,284,556</u>	<u>\$ 14,552,577</u>
<u>Outgo (Refunds, Benefits, & Administration)</u>	<u>\$128,778,421</u>	<u>\$ 136,438,830</u>
Market Value - End of Year	\$1,226,825,840	\$1,104,939,587
Actuarial Value - End of Year	1,219,486,962	\$1,245,129,955
Book Value - End of Year	1,148,193,495	\$1,065,584,992
<u>Members</u>		
Active	4,878	4,930
Retirees	2,538	2,422
Survivors	1,542	1,421
Disabilities	402	409
Children	132	116
<u>Payroll Data</u>		
Valuation Payroll ¹	\$ 275,106,756	\$ 277,964,912
Average Salary	56,397	56,382

¹ The valuation payroll includes compensation for two ordinary disability participants. They continue to accrue benefit service and hence additional liability while on ordinary disability.

TABLE 1 (CONT.)

SUMMARY

	December 31, 2000	December 31, 2001
<u>ACTUARIAL VALUES</u>		
<u>Funding - State Basis</u>		
Actuarial Liability	\$2,053,340,475	\$2,068,717,901
Assets - Actuarial Value - Net	1,219,486,962	1,245,129,955
Unfunded Liability	833,853,513	823,587,946
Funded Ratio	59.39%	60.19%
Actuarially Required Total Contribution *	\$129,883,932	\$131,244,939
Deficiency in Required Contribution (est.)	46,510,375	48,807,487
Required Employer Contribution Multiple	4.30	4.44
<u>Termination Values</u>		
Liability	\$1,634,247,544	\$1,673,740,088
Deficiency	414,760,582	428,610,133
Quick Ratio	74.62%	74.39%
<u>GASB #25 Values</u>		
Actuarial Liability	\$2,053,340,475	\$2,068,717,901
Assets - Actuarial Value	1,219,486,962	1,245,129,955
Unfunded Liability	833,853,513	823,587,946
Funded Ratio	59.39%	60.19%
Annual Required Contribution (ARC)	104,014,168	105,106,367
<u>Market Values</u>		
Actuarial Liability	\$2,053,340,475	\$2,068,717,901
Assets - Market Value	1,226,825,840	1,104,939,587
Unfunded Liability	826,514,635	963,778,314
Funded Ratio	59.75%	53.41%

*Includes projected employee contributions of \$25,869,764 for December 31, 2000 and \$26,138,572 for December 31, 2001.

TABLE 2

**DEVELOPMENT OF ACTUARIALLY CALCULATED
CONTRIBUTION FOR 2002 (STATE BASIS)
AND
DEVELOPMENT OF ANNUAL REQUIRED CONTRIBUTION
UNDER GASB #25 FOR 2002**

<u>(1) Normal Cost (see Table 4)</u>	\$62,170,369
<u>(2) Actuarial Accrued Liability (AAL)</u>	\$2,068,717,901
<u>(3) Unfunded AAL (UAAL)</u>	
(a) Actuarial Value of Assets	\$1,245,129,955
(b) UAAL (2-3(a))	823,587,946
<u>(4) 40-Year Amortization (Level \$) Payable at Beginning of Year at 8.0%</u>	\$63,950,202
<u>(5) Minimum Actuarially Calculated Contribution</u>	
(a) Interest Adjustment for Semimonthly Payment	5,124,368
(b) Total Minimum Contribution (1+4+5(a))	\$131,244,939
(c) Total Minimum Contribution (Percent of Pay)	47.22%
<u>(6) Estimated Member Contributions</u>	\$26,138,572
<u>(7) Annual Required Contribution (ARC)</u>	
(b) Annual Required Contribution (5(b)-6)	\$105,106,367
(c) Annual Required Contribution (Percent of Pay)	37.81%
<u>(8) Estimated City Contribution</u>	\$56,298,880
<u>(9) Deficiency/(Excess)</u>	
(a) in Dollars (7(b)-8)	\$48,807,487
(b) as a Percentage of Pay	17.56%

TABLE 3

RECONCILIATION OF UNFUNDED LIABILITY

	<u>2000</u>	<u>2001</u>
<u>Unfunded Actuarial Accrued Liability - Beginning of Year</u>	\$734,451,849	\$833,853,513
Gains (Losses) During the Year Attributable to:		
Employer Cost in Excess of Contributions	(\$26,762,428)	(\$37,575,361)
Gain (Loss) on Investment Return	22,068,124	(21,620,515)
Gain (Loss) from Salary Changes	16,791,237	42,988,827
Gain (Loss) from Retirement, Termination & Mortality	(30,778,027)	19,286,460
Change in Assumption: Compulsory Retirement Age	(99,277,062)	-
Gain (Loss) from All Other Sources	18,556,492	7,186,157
Composite Actuarial Gain (Loss)	<u>(99,401,664)</u>	<u>10,265,567</u>
<u>Unfunded Actuarial Accrued Liability - End of Year</u>	\$833,853,513	\$823,587,946

TABLE 4
SUMMARY OF BASIC ACTUARIAL VALUES

	<u>APV of Projected Benefits</u>	<u>Actuarial Accrued Liability (AAL)</u>
<u>(1) Values for Active Members</u>	\$1,381,964,722	\$774,045,634
<u>(2) Values for Inactive Members</u>		
(a) Retired	888,614,135	888,614,135
(b) Spouse Annuitants	117,620,749	117,620,749
(c) Compensation Widows	35,395,013	35,395,013
(d) Disability	235,808,994	235,808,994
(e) Inactive (Deferred Vested)	12,199,572	12,199,572
(e) Children	4,899,438	4,899,438
(f) Parent Annuitants	<u>134,366</u>	<u>134,366</u>
Total for Inactives	\$1,294,672,267	\$1,294,672,267
<u>(3) Grand Totals</u>	\$2,676,636,989	\$2,068,717,901
<u>(4) Normal Cost for Active Members</u>	\$62,170,369	
<u>(5) Actuarial Present Value of Future Compensation</u>	\$2,955,091,658	

TABLE 5
HISTORY OF RECOMMENDED EMPLOYER MULTIPLES

<u>Year of Report</u>	<u>Statutory Multiple</u>	<u>Normal Cost Plus Interest</u>	<u>Normal-Cost Plus 40-Year Amortization</u>	
			<u>Level \$</u>	<u>Level % of Salary</u>
1982 ^{a,b}	2.26	4.04	4.21	3.05
1983 ^{a,b}	2.26	4.66	4.84	3.71
1984	2.26	4.89	5.08	3.86
1985 ^b	2.26	5.07	5.27	4.03
1986 ^a	2.26	4.70	4.86	3.71
1987 ^a	2.26	4.39	4.54	3.47
1988	2.26	4.53	4.68	3.58
1989 ^{a,b}	2.26	4.39	4.52	3.41
1990 ^{a,b}	2.26	4.41	4.55	3.43
1991	2.26	4.55	4.69	3.53
1992 ^b	2.26	4.75	4.89	3.69
1993 ^b	2.26	4.89	5.03	3.81
1994 ^{a,b}	2.26	4.92	5.09	3.71
1995 ^b	2.26	5.16	5.33	3.78
1996	2.26	5.02	5.19	3.78
1997 ^{a,b,c}	2.26	3.95	4.08	3.00
1998 ^{b,d}	2.26	4.31	4.22	2.91
1999	2.26	3.56	3.49	2.41
2000 ^a	2.26	4.39	4.30	2.99
2001 ^d	2.26	4.61	4.44	3.12

- ^a Change in actuarial assumptions
- ^b Change in benefits
- ^c Change in asset valuation method to GASB
- ^d Change in actuary

TABLE 6
ORDINARY DEATH BENEFIT RESERVE

ASSETS

Fund Balance	\$ (5,039,242)
Present Values of Future Contributions:	
Contributions by Members at \$30.00 a Year	1,587,295
Annual City Contribution of \$142,000	1,524,284
Unfunded Liability	18,762,294
TOTAL ASSETS	\$ 16,834,631

LIABILITIES

Present Value of Future Death Benefits (3%, Plan Mortality Basis)	
Active Members	5,051,709
Retired Members	11,782,922
TOTAL LIABILITIES	\$ 16,834,631

Note: Benefits are also included in the accrued liability and valued on the actuarial assumptions.

TABLE 7

SUMMARY OF RESERVES

	<u>2000</u>	<u>2001</u>
Prior Service Annuity Reserve	\$ 866,418,150	\$ 856,200,300
City Contribution Reserve	438,517,866	489,959,759
Annuity Payment Reserve	366,418,527	345,271,065
Salary Deduction Reserve	346,209,995	366,357,079
Death Benefit Reserve	(4,359,426)	(5,039,242)
Ordinary Disability Reserve	238,792	208,882
Supplementary Payment Reserve	1,450,832	1,523,237
Gift Reserve	1,184,362	1,234,067
Reserve (Deficit)	<u>(789,253,258)</u>	<u>(950,775,560)</u>
Total Net Assets for Pension Benefits	\$1,226,825,840	\$1,104,939,587

TABLE 8
ACTUARIAL ACCRUED LIABILITY
PRIORITIZED SOLVENCY TEST

Valuation Date 12/31	(1)	(2)	(3)	Actuarial Value of Assets	Portion (%) of Present Value Covered by Assets		
	Active Member Contributions	Retirees and Beneficiaries	Active Members (ER Financed Portion)		(1)	(2)	(3)
1985 ^{a,b}	\$152,857,789	\$ 363,559,004	\$389,856,354	\$ 370,219,440	100.00%	59.79%	0.00%
1986 ^{a,b}	159,247,413	409,282,863	393,153,564	440,687,231	100.00%	68.76%	0.00%
1987 ^{a,b}	171,040,140	442,476,049	384,316,705	483,965,269	100.00%	70.72%	0.00%
1988	176,885,164	500,141,377	359,459,177	511,237,886	100.00%	66.85%	0.00%
1989 ^{a,b}	180,224,846	533,989,887	361,889,786	554,780,349	100.00%	70.14%	0.00%
1990 ^{a,b}	203,385,446	551,819,011	388,646,637	562,765,339	100.00%	65.13%	0.00%
1991 ^b	220,541,857	582,545,890	429,281,414	593,664,230	100.00%	64.05%	0.00%
1992	233,769,778	620,585,314	413,794,955	636,208,355	100.00%	64.85%	0.00%
1993 ^b	247,328,526	652,460,861	401,268,935	680,145,547	100.00%	66.34%	0.00%
1994	231,721,857	820,223,870	388,977,064	712,992,314	100.00%	58.68%	0.00%
1995 ^b	284,613,679	890,790,702	356,835,156	787,000,898	100.00%	56.40%	0.00%
1996	302,854,182	928,790,813	344,144,574	845,432,187	100.00%	58.42%	0.00%
1997 ^{a,b}	320,757,406	992,967,015	326,296,251	978,313,319	100.00%	66.22%	0.00%
1998 ^{b,c}	335,026,373	1,075,922,284	372,620,521	1,066,891,190	100.00%	68.02%	0.00%
1999	357,739,707	1,146,375,517	375,551,644	1,145,215,019	100.00%	68.69%	0.00%
2000 ^a	354,336,276	1,279,911,268	419,092,931	1,219,486,962	100.00%	67.59%	0.00%
2001 ^c	379,067,821	1,294,672,267	394,977,813	1,245,129,955	100.00%	66.89%	0.00%

^a Change in actuarial assumptions

^b Change in benefits

^c Change in actuary

Appendix 2
Assets of the Plan

ASSETS OF THE PLAN

The book value of the plan assets, net of accounts payable, decreased from \$1,148 million as of December 31, 2000 to \$1,066 million as of December 31, 2001. The market value of the plan assets decreased from \$1,227 million as of December 31, 2000 to \$1,105 million as of December 31, 2001. Table 9 details the development of asset values during 2001 and Table 10 shows the development of the actuarial value of assets as of December 31, 2001.

TABLE 9**RECONCILIATION OF ASSET VALUE
AS OF DECEMBER 31, 2001**

	<u>Market Value</u>	<u>Book Value</u>
1. Value of assets as of 12/31/2000	\$1,226,825,840	\$1,148,193,495
2. Income for plan year:		
a) Member contributions	\$ 27,615,475	\$ 27,615,475
b) City contributions	60,399,909	60,399,909
c) Investment income net of expenses	(73,525,244)	(34,247,494)
d) Miscellaneous revenue	62,437	62,437
e) Total income	\$ 14,552,577	\$ 53,830,327
3. Disbursements for plan year:		
a) Benefit payments	\$ 133,278,828	\$ 133,278,828
b) Refunds	1,184,014	1,184,014
c) Administration	1,975,988	1,975,988
d) Total disbursements	\$ 136,438,830	\$ 136,438,830
4. Value of assets as of 12/31/2001	\$1,104,939,587	\$1,065,584,992
5. Estimated rate of return in 2001:		
a) Gross (Investment expense of \$4,820,968)	-5.72%	-2.62%
b) Net of investment expense	-6.11%	-3.05%

Method used for calculating rate of return does not reflect specific timing of income and outflows. It is also based on total assets, not invested assets.

TABLE 10

DEVELOPMENT OF ACTUARIAL (MARKET RELATED) VALUE OF ASSETS AS OF DECEMBER 31, 2001

1. Expected Return on Market Value of Assets

- a) Market value of assets as of 12/31/2000 \$1,226,825,840
 b) Actual income and disbursements in prior year weighted for timing

Item	Amount	Weight for Timing	Weighted Amount
i) Member contributions	\$27,615,475	50.0%	\$13,807,738
ii) City contributions	60,399,909	50.0%	30,199,955
iii) Miscellaneous revenue	62,437	50.0%	31,219
iv) Benefit payments	(133,278,828)	50.0%	(66,639,414)
v) Refunds	(1,184,014)	50.0%	(592,007)
vi) Administration	(1,975,988)	50.0%	(987,994)
vii) Total			(\$24,180,503)

- c) Market value of assets adjusted for actual income and disbursements [(a) + (b)(vii)] \$1,202,645,337
 d) Assumed rate of return on plan assets for the year 8.00%
 e) Expected return [(c) * (d)] \$96,211,627

2. Actual Return on Market Value of Assets for Prior Year

- a) Market value of assets as of 12/31/2000 \$1,226,825,840
 b) Income (less investment income) for prior plan year 88,077,821
 c) Disbursements paid in prior year 136,438,830
 d) Market value of assets as of 12/31/2001 1,104,939,587
 e) Actual return [(d) + (c) - (b) - (a)] (\$73,525,244)

3. Investment Gain/(Loss) for Prior Year [2(e) - 1(e)]

(\$169,736,871)

4. Actuarial Value of Assets as of 12/31/2001

- a) Market value of assets as of 12/31/2001 \$1,104,939,587
 b) Deferred investment gains and (losses) for last 5 years

	Plan Year	Gain/(Loss)	Percent Deferred	Deferred Amount
i)	1997	\$0	0.00%	\$0
ii)	1998	29,375,799	20.00%	5,875,160
iii)	1999	139,349,009	40.00%	55,739,604
iv)	2000	(110,026,059)	60.00%	(66,015,635)
v)	2001	(169,736,871)	80.00%	(135,789,497)
vi)	Total	(\$111,038,122)		(\$140,190,368)

- c) Actuarial Value of Assets \$1,245,129,955

Note: Beginning with the December 31, 1998 valuation, the calculated value is determined by adjusting the market value of assets to reflect the investment gains and losses (the difference between the actual investment return and the expected investment return) during each of the last 5 years at the rate of 20% per year.

Appendix 3
Data Reflecting Plan Members

Exhibit A

Summary of Changes in Active Participants For Fiscal Year Ending December 31, 2001

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,620	258	4,878
Increases:			
Participants Added During Year	207	10	217
Participants Returning From Inactive or Disability Status	3	1	4
Totals	4,830	269	5,099
Decreases:			
Terminations During Year	166	5	171
Number of Participants at End of Fiscal Year	4,664	264	4,928
Total Inactive Participants			126
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	12	1	13
Withdrawal (Without Refunds)	38	2	40
Ordinary Disability Benefit	0	0	0
Occupational Disease Disability Benefit	21	0	21
Duty Disability Benefit	14	2	16
Retirements	79	0	79
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	2	0	2
Totals	166	5	171

¹ This total differs from the total of 17 shown in Exhibit D due to the fact that only 13 of the refunds were paid to participants who were considered to be active as of December 31, 2000.

Exhibit B

Summary of Changes in Annuitants and Beneficiaries For Fiscal Year Ending December 31, 2001

	Number at Beginning of Year	Additions During Year	Terminations During Year	Number at End of Year
Service Retirement Annuities	2,538	114	230	2,422
Spouse Annuitants	1,440	127	237	1,330
Widow/Widower Supplemental	51	0	51 *	0
Children's Annuities	132	6	22	116
Parent Annuities	2	0	0	2
Ordinary Disability Benefit (Non-Occupational)	6	0	4	2
Occupational Disease Disability Benefit	139	27	19	147
Duty Disability Benefit (Occupational)	257	23	18	262
Widows' Compensation Annuities (Service Connected Death)	49	52	12	89
Totals	4,614	349	593	4,370

* All Supplemental Widows were moved into the Compensation Widows Group.

Exhibit C

PART I – TOTAL LIVES AND ANNUAL SALARIES OF ACTIVE MALE PARTICIPANTS CLASSIFIED BY AGE AND YEARS OF SERVICE AS OF 12/31/2001

AGE	Years of Service									Total	Annual Salary
	Under 1 year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 and over		
Under 20										0	0
20 to 24	5 167,610	8 326,484								13	494,094
25 to 29	49 1,665,870	170 7,753,062	70 3,536,220							289	12,955,152
30 to 34	72 2,449,248	290 13,403,616	137 7,023,522	14 804,846						513	23,681,232
35 to 39	39 1,336,302	151 7,001,602	200 10,194,612	360 19,968,192	92 5,496,858	1 98,868				843	44,096,434
40 to 44	19 642,798	65 3,071,700	161 8,136,654	382 20,977,998	217 12,921,996	189 12,097,830				1,033	57,848,976
45 to 49	7 238,014	23 1,069,092	55 2,788,500	149 8,105,352	176 10,861,074	564 36,155,418	34 2,328,882			1,008	61,546,332
50 to 54		5 237,348	13 656,952	41 2,240,052	92 5,455,134	331 20,957,654	34 2,453,340	11 814,530		527	32,815,010
55 to 59		1 48,846	4 200,208	6 331,548	5 297,516	86 5,330,232	64 4,253,040	127 9,170,400	17 1,418,814	310	21,050,604
60 to 64						13 797,328	23 1,372,692	61 4,463,586	31 2,647,134	128	9,280,740
65 and over										0	0
Total Active	191	713	640	952	582	1,184	155	199	48	4,664	
Annual Salary	6,499,842	32,911,750	32,536,668	52,427,988	35,032,578	75,437,330	10,407,954	14,448,516	4,065,948		263,768,574

Exhibit C

PART II – TOTAL LIVES AND ANNUAL SALARIES OF ACTIVE FEMALE PARTICIPANTS CLASSIFIED BY AGE AND YEARS OF SERVICE AS OF 12/31/2001

AGE	Years of Service									Total	Annual Salary
	Under 1 year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 and over		
Under 20										0	0
20 to 24		2 81,708								2	81,708
25 to 29	2 67,884	17 721,128								19	789,012
30 to 34	2 67,044	21 949,038	8 421,266	6 326,406						37	1,763,754
35 to 39	1 33,522	16 738,222	14 738,258	40 2,235,252	6 359,376					77	4,104,630
40 to 44	3 100,566	5 239,310	15 797,802	23 1,307,154	21 1,267,206	1 55,482				68	3,767,520
45 to 49		1 45,402	5 251,988	17 903,564	15 947,214	4 275,496	3 198,954			45	2,622,618
50 to 54			1 50,052	1 62,214	2 140,748	4 295,326				8	548,340
55 to 59			1 50,052	3 163,956	1 53,610					5	267,618
60 to 64						1 55,482	1 76,776			2	132,258
65 and over					1 58,008					1	58,008
Total Active	8	62	44	90	46	10	4	-	-	264	
Annual Salary	269,016	2,774,808	2,309,418	4,998,546	2,826,162	681,786	275,730	-	-		14,135,466

Exhibit C

PART III – TOTAL LIVES AND ANNUAL SALARIES OF ALL ACTIVE PARTICIPANTS CLASSIFIED BY AGE AND YEARS OF SERVICE AS OF 12/31/2001

AGE	Years of Service										Total	Annual Salary
	Under 1 year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 and over			
Under 20											0	0
20 to 24	5	10	0	0	0	0	0	0	0	0	15	0
	167,610	408,192	0	0	0	0	0	0	0	0		575,802
25 to 29	51	187	70	0	0	0	0	0	0	0	308	0
	1,733,754	8,474,190	3,536,220	0	0	0	0	0	0	0		13,744,164
30 to 34	74	311	145	20	0	0	0	0	0	0	550	0
	2,516,292	14,352,654	7,444,788	1,131,252	0	0	0	0	0	0		25,444,986
35 to 39	40	167	214	400	98	1	0	0	0	0	920	0
	1,369,824	7,739,824	10,932,870	22,203,444	5,856,234	98,868	0	0	0	0		48,201,064
40 to 44	22	70	176	405	238	190	0	0	0	0	1,101	0
	743,364	3,311,010	8,934,456	22,285,152	14,189,202	12,153,312	0	0	0	0		61,616,496
45 to 49	7	24	60	166	191	568	37	0	0	0	1,053	0
	238,014	1,114,494	3,040,488	9,008,916	11,808,288	36,430,914	2,527,836	0	0	0		64,168,950
50 to 54	0	5	14	42	94	335	34	11	0	0	535	0
	0	237,348	707,004	2,302,266	5,595,882	21,252,980	2,453,340	814,530	0	0		33,363,350
55 to 59	0	1	5	9	6	86	64	127	17	0	315	0
	0	48,846	250,260	495,504	351,126	5,330,232	4,253,040	9,170,400	1,418,814	0		21,318,222
60 to 64	0	0	0	0	0	14	24	61	31	0	130	0
	0	0	0	0	0	852,810	1,449,468	4,463,586	2,647,134	0		9,412,998
65 and over	0	0	0	0	1	0	0	0	0	0	1	0
	0	0	0	0	58,008	0	0	0	0	0		58,008
Total Active	199	775	684	1,042	628	1,194	159	199	48		4,928	
Annual Salary¹	6,768,858	35,686,558	34,846,086	57,426,534	37,858,740	76,119,116	10,683,684	14,448,516	4,065,948			277,904,040

¹ The number of participants and annual salary listed includes information on active participants only. Hence, information on the two ordinary disability participants, who continue to earn benefit service, is not included in this exhibit.

EXHIBIT D - PART I

**SHOWING NUMBER OF REFUND PAYMENTS MADE DURING YEAR TO MALE EMPLOYEES
FOR FISCAL YEAR ENDING DECEMBER 31, 2001**

Age at Date of Refund	Length of Service at Date of Refund					Total	
	Under 1 Year	Between 1 and 2	Between 2 and 3	Between 3 and 4	Between 4 and 5		5 and over
Without Record							0
Under 20							0
20 to 24							0
25 to 29						1	1
30 to 34	1	1			1		4
35 to 39	1					2	3
40 to 44						6	6
45 to 49						1	1
50 to 54							0
55 to 59						1	1
60 & over							0
Totals	2	1	0	0	1	12	16

Includes only number of actual refunds paid or accrued during fiscal year reported.

EXHIBIT D - PART II

**SHOWING NUMBER OF REFUND PAYMENTS MADE
DURING YEAR TO FEMALE EMPLOYEES
FOR FISCAL YEAR ENDING DECEMBER 31, 2001**

Age at Date of Refund	Length of Service at Date of Refund					Total	
	Under 1 Year	Between 1 and 2	Between 2 and 3	Between 3 and 4	Between 4 and 5		5 or over
Without Record							0
Under 20							0
20 to 24							0
25 to 29						1	1
30 to 34							0
35 to 39							0
40 to 44							0
45 to 49							0
50 to 54							0
55 to 59							0
60 & over							0
Totals	0	0	0	0	0	1	1

Includes only number of actual refunds paid or accrued during fiscal year reported.

EXHIBIT E

**SHOWING STATISTICS ON SERVICE RETIREMENT ANNUITIES
CLASSIFIED BY AGE AS OF DECEMBER 31, 2001**

AGE	MALE		FEMALE		TOTAL	
	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments
UNDER 50	5	\$ 23,750	1	\$ 5,700	6	\$ 29,450
50	6	200,273	0	0	6	200,273
51	6	195,140	2	45,386	8	240,526
52	10	274,671			10	274,671
53	3	90,861			3	90,861
54	14	523,046			14	523,046
55	13	432,451			13	432,451
56	15	530,732			15	530,732
57	22	867,798			22	867,798
58	32	1,292,329			32	1,292,329
59	57	2,520,127			57	2,520,127
60	59	2,599,316			59	2,599,316
61	72	3,068,673			72	3,068,673
62	53	2,343,325			53	2,343,325
63	86	3,144,411			86	3,144,411
64	75	3,451,929			75	3,451,929
65	134	6,265,979			134	6,265,979
66	99	4,627,948			99	4,627,948
67	100	4,819,690			100	4,819,690
68	111	4,954,085			111	4,954,085
69	105	4,781,216			105	4,781,216
70	143	6,187,056			143	6,187,056
71	134	5,534,894			134	5,534,894
72	120	4,681,354			120	4,681,354
73	101	3,730,001			101	3,730,001
74	113	4,075,837			113	4,075,837
75	111	3,870,577			111	3,870,577
76	100	3,069,640			100	3,069,640
77	90	2,884,437			90	2,884,437
78	64	1,982,091			64	1,982,091
79	52	1,588,616			52	1,588,616
80	60	1,777,535			60	1,777,535
81	46	1,171,286			46	1,171,286
82	38	900,173			38	900,173
83	24	651,750			24	651,750
84	29	671,263			29	671,263
85+	117	2,317,486			117	2,317,486
Totals	2,419	\$92,101,746	3	\$51,086	2,422	\$92,152,832

EXHIBIT F

SHOWING STATISTICS ON WIDOW'S ANNUITIES CLASSIFIED BY AGE AS OF DECEMBER 31, 2001

AGE	No.	Annual Payments	AGE	No.	Annual Payments
UNDER 30			57	8	\$ 125,070
30	1	\$ 13,675	58	13	186,573
31			59	10	147,659
32			60	17	311,321
33			61	9	130,944
34			62	27	409,476
35	2	29,201	63	19	345,346
36			64	19	278,686
37	1	11,876	65	30	505,077
38	2	28,796	66	28	462,594
39	2	24,417	67	24	400,453
40	3	38,853	68	28	362,006
41	1	9,830	69	38	556,583
42	1	11,855	70	39	481,328
43	4	68,556	71	55	750,352
44	4	56,543	72	53	699,445
45	1	10,125	73	56	718,016
46	2	29,430	74	43	548,939
47	2	30,175	75	62	804,359
48	1	9,313	76	48	606,642
49	1	8,400	77	44	588,811
50	4	59,390	78	48	564,485
51	8	112,533	79	42	425,376
52	6	106,905	80	54	601,279
53	6	82,304	81	34	379,487
54	5	51,628	82	53	549,780
55	7	99,258	83	54	586,838
56	9	119,919	84	37	384,361
			85+	265	2,575,391
			Total	1,330	\$16,499,658

EXHIBIT G

SHOWING STATISTICS ON MISCELLANEOUS ANNUITIES FOR FISCAL YEAR ENDING DECEMBER 31, 2001

	<u>No.</u>	<u>Annual Payments</u>
Children's Annuities	116	765,290
Widows' Compensation Annuities	89	3,866,718
Parent Annuities	2	16,363
Ordinary Disability Benefits	2	43,466
Occupational Disease Disability Benefits	147	5,604,899
Duty Disability Benefits	262	9,044,764
Totals	618	19,341,500

EXHIBIT H - PART I

SHOWING MALE PARTICIPANTS RECEIVING DUTY DISABILITY
CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2001

Attained Age	Under 1 Year		1 to 4		5 to 9		10 to 14		15 to 19		20 & Over		
	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	
Under 30													
30 to 34													
35 to 39			2	60,836	2	64,004	4	162,707				287,817	
40 to 44			5	132,393	9	267,351	6	209,745	4	169,223	1	49,680	
45 to 49			7	185,940	23	660,764	7	225,590	6	256,122	3	128,246	
50 to 54			2	49,650	10	279,890	14	438,446	9	346,595	9	411,962	
55 to 59					4	114,315	8	222,510	14	438,377	37	1,525,204	
60 & over			1	28,044	4	100,968	4	112,227	2	63,335	35	1,415,609	
Totals	0	0	17	456,863	52	1,487,292	43	1,371,224	5	35	1,273,652	85	3,530,701

8,119,733

EXHIBIT H - PART II

SHOWING FEMALE PARTICIPANTS RECEIVING DUTY DISABILITY
CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2001

Attained Age	Under 1 Year		1 to 4		5 to 9		10 to 14		15 to 19		20 & Over	
	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments
Under 30												
30 to 34												
35 to 39			1	28,211			1	38,835				67,046
40 to 44			1	22,959	1	27,288			1	42,066		92,313
45 to 49			1	27,111	9	251,241	2	74,178	1	45,023		397,553
50 to 54	1	27,111	4	100,214	3	87,125	1	41,139			1	39,227
55 to 59					1	36,156			1	37,152		73,308
60 & over												
Totals	1	27,111	7	178,494	14	401,810	4	154,152	3	124,241	1	39,227

925,036

- (2) In lieu of the above annuity, if the employee has 20 or more years of service (the annuity will begin no earlier than age 50), he or she is entitled to the following annuity if it is greater than (1) above: 50% plus 2% of the final average salary for each year or fraction of service over twenty years. Maximum is 75% of the final average salary.

Retirement at Age 63 with Less than 23 Years Service¹

An employee who reaches compulsory retirement age with less than 23 years shall be entitled to a minimum annuity equal to an amount determined by the product of his or her years of service and 2% of his or her average salary for the 4 consecutive highest years of salary within the last 10 years. Maximum is 75 % of highest salary.

Automatic Increase in Annuity

If an employee qualifies for a minimum formula annuity, 1.5% of the original annuity, starting on the first of the month one year after retirement or the first of the month following attainment of age 60 (age 55 if born before January 1, 1945, effective January 1, 1996), whichever is later, with a maximum of 30% (20 years). Such increases shall be 3% for firefighters born before January 1, 1945 (effective January 1, 1996), and such firefighters shall not be subject to the 30% maximum increase.

Minimum Annuity

Beginning January 1, 1990, the monthly annuity for any firefighter who has retired at age 50 or over with 20 or more years of service shall be not less than \$475. Beginning January 1, 1992, the monthly annuity is \$650 if the firefighter retired at age 50 or over with at least 20 years of service. Beginning January 1, 1993, the monthly annuity is \$750 if the firefighter retired at age 50 or over with at least 20 years of service. Beginning January 1, 1994, the monthly annuity is \$850 if the firefighter retired at age 50 or over with at least 20 years of service.

WIDOW/WIDOWER ANNUITY

Payable until remarriage if widow/widower remarries before age 60, except Compensation and Supplemental Annuities. If the annuity is suspended because the widow/widower remarries before age 60, annuity payments will be resumed if the subsequent marriage ends. Any widow/widower's annuity, which was suspended on account of remarriage prior to December 31, 1989, will be resumed, if subsequent marriage ends, the later of July 14, 1995 or when the marriage ended.

¹ Between January 1994 and December 2000, benefits have been administered as if there were no compulsory retirement age. Beginning December 2000 benefits have been administered as if age 63 is the compulsory retirement age for non-EMT participants and there is no compulsory retirement age for EMT participants.

Death in Service (Non-Duty)

- (1) If the firefighter dies with at least 1.5 years of service, 30% of the salary attached to the rank of a first class firefighter in the classified career service at the time of the firefighter's death; or,
- (2) 50% of the annuity the deceased firefighter would have received if he had retired just prior to the date of death; or,
- (3) money purchase based on the total salary deductions and City contributions for age and service annuity and widow/widower's annuity.

Death In Service (Duty Related)

Compensation Annuity²

The annuity paid to the spouse equals 75% of the firefighter's salary attached to his civil service position at the time of his death payable until the date the firefighter would have attained compulsory retirement age. This amount increases as the salary of the position increases.

Supplemental Annuity²

Payable thereafter in the amount of 40% of the salary attached to the employee's civil service position at the time of his death. This amount increases as the salary of the position increases.

Death after Retirement

- (1) If the firefighter dies after retirement, the annuity is 50% of the retirement annuity that the deceased firefighter was receiving at the time of his or her death; or,
- (2) money purchase based on the sums accumulated for the spouse annuity plus 10% of the accumulated City contributions for each year of service from 10 to 20 years, and full accumulated City contributions after 20 years of service.

Maximum Annuity

No maximum dollar amount.

Minimum Annuity

The minimum monthly annuity for any widow/widower on annuity on January 1, 1992 or future widow/widowers of employees on annuity, who retired at age 50 or more with at least 20 years of service, is \$500. Beginning January 1, 1993, the minimum monthly annuity for a widow/widower of an employee who retired at age 50 or more with at least 20 years of service is \$600. Beginning January 1, 1994, the minimum monthly annuity for a widow/widower of an employee who retired at age 50 or more with at least 20 years of service is \$700. Beginning January 1, 1996, the minimum monthly annuity for any widow/widower who is entitled to an annuity is \$700. Beginning January 1, 1999, the minimum monthly annuity for any widow/widower who is a survivor of an employee who retired at age 50 or over with at least 20 years of service is \$800.

² Between January 1994 and December 2000, benefits have been administered as if there were no compulsory retirement age. Beginning December 2000 benefits have been administered as if age 63 is the compulsory retirement age for non-EMT participants and there is no compulsory retirement age for EMT participants.

GROUP HEALTH HOSPITAL AND SURGICAL INSURANCE PREMIUMS

The pension fund may provide up to a maximum of \$75 per month for non-Medicare eligible annuitants (employees or widow/widowers, without regard to age or years of service) and up to \$45 per month for Medicare eligible annuitants until June 30, 2002.

REFUNDS

To Firefighters

Of entire amount (excluding ordinary disability pension deductions) with interest at 4% if entered before June 30, 1953, and 3% otherwise, before age 50, or before age 57 and less than 10 years service. A firefighter who receives a refund and who subsequently reenters the service shall not receive, nor his or her widow/widower or parents, any annuity benefit or pension unless the refund is repaid with 4% interest. Repayment must be made within two years after reentry.

FOR WIDOW/WIDOWER ANNUITY

If the Firefighter is not married when he retires on annuity, he or she will receive a refund of all his or her contributions, with interest, for spouse's annuity.

REFUNDS OF REMAINING AMOUNTS

If amounts contributed by a Firefighter (with interest) are not paid out to him or her, in the form of a refund or annuity, or his or her widow/widower in the form of annuity, the remaining amounts (with interest) shall be paid out to his or her heirs, or to administrator of estate, for burial expense. If there are children under age 18, amount necessary to pay children annuities will not be refunded. There will be no refund paid to a widow/widower whose annuity is suspended because of remarriage.

DEDUCTIONS AND CONTRIBUTIONS

	<u>Deductions</u>	<u>City Contributions¹</u>
Employee	7.125%	8.500%
Spouse	1.500%	2.000%
Ordinary Disability	0.125%	0.000%
Annuity Increase	<u>0.375%</u>	<u>0.000%</u>
	9.125%	10.500%

¹ credited to participant's Accumulation Annuity and Widow's Annuity accounts

The city shall levy a tax annually at a rate on the dollar of the assessed valuation of all taxable property that will produce an amount not to exceed the total amount of contributions by the firefighters to the Fund made in the calendar year 2 years prior multiplied by 2.26 for 1982 and each year thereafter, plus \$142,000 for the Ordinary Death Benefit.

DEATH BENEFIT

Employees contribute \$2.50 per month at the same time and with the same frequency as other deductions (with each payment of salary).

TAX SHELTER OF EMPLOYEE SALARY DEDUCTIONS

Beginning January 1, 1982, employee contributions were designated for income tax purposes to be made by the employer. The W-2 salary is therefore reduced by the amount of contribution. For pension purposes the salary remains unchanged. Income tax will be paid when a refund or annuity is received. For the purpose of benefits, refunds or financing, these contributions will be treated as employee contributions.

COMPULSORY RETIREMENT AGE

Effective January 1, 1994, the federal law allowing compulsory retirement age 63 has lapsed. As such, duty disability and occupational disease disability benefits and widow/widower compensation benefits may be "open ended", i.e., without limiting age.

Effective December 2000 the City of Chicago enacted a compulsory retirement age of 63 for non-EMT participants. As such, all disability benefits for non-EMT participants cease at age 63 and become payable as retiree benefits.

COMPENSATION WIDOWS

Beginning January 1, 2001, mandatory retirement will have no impact on Widow benefits. Therefore, effective with the December 31, 2001 valuation, all Supplemental Widows have been re-classified as Compensation Widows. The classification of Supplemental Widows will be discontinued.

CHILD ANNUITY

Upon the death of the firefighter, unmarried children less than age 18 (except where child is so physically or mentally handicapped as to be unable to support himself), who have been born, or in esse, or legally adopted and at least one year prior to death or withdrawal (except if duty death, then no one year limit on adoption). The amount of annuity payable for a child is 10% of the current annual maximum salary of a first class firefighter while a widow/widower survives; 15 % when no widow/widower survives.

FAMILY MAXIMUM

The total annuities for widow/widower and children cannot exceed 60% for non-duty death, or 100% for duty death, of the current maximum annual salary of a first class firefighter.

PARENT ANNUITY

Parent's annuity is provided for each surviving parent of a firefighter who dies prior to separation from service, or while out of service with at least 20 years; provided there is no widow/widower or child and that the deceased firefighter was contributing to their support. The benefit is an amount equal to 18% of the current annual salary attached to the classified position held by the firefighter at the time of death.

DISABILITIES

Duty Disability Benefit³

Injury incurred in the performance of duty. The amount of the benefit is 75 % of salary at the time the disability is allowed payable to employee's compulsory retirement age plus \$30 per month for each unmarried child less than age 18 (except where the child is so physically or mentally handicapped as to be unable to support him/herself), but the total amount of child benefits shall not exceed 25% of salary. Effective January 1, 1994 the minimum benefit, if the employee has been on disability at least 10 years, is 50% of current salary at the rank held by the employee when he was removed from the Department payroll. Salary deductions are contributed by the City. There are no age or service requirements for retirement on money purchase annuity and receiving full contributions.

Occupational Disease Disability³

A firefighter who has 10 or more years of service and is unable to perform his or her duties by reason of heart disease, tuberculosis, or any disease of the lungs or respiratory tract, resulting solely from his or her service as a firefighter. Occupational disease also includes disabling cancer of the type, which may be caused by exposure to heat, radiation or a known carcinogen as defined by the International Agency for Research on Cancer. The amount of the benefit is 65% of salary at the time of the employee's removal from the Department payroll payable to compulsory retirement age plus \$30 a month for each unmarried child less than age 18 (except where the child is so physically or mentally handicapped as to be unable to support him/ herself), but the total amount of child's benefits shall not exceed 25 % of salary. Effective January 1, 1994 the minimum benefit, if the employee has been on disability at least 10 years, is 50% of current salary at the rank held by the employee when he or she was removed from Department payroll. Salary deductions are contributed by the City. There are no age or service requirements for retirement on money purchase annuity and receiving full contributions.

³ Between January 1994 and December 2000, benefits have been administered as if there were no compulsory retirement age. Beginning December 2000 benefits have been administered as if age 63 is the compulsory retirement age for non-EMT participants and there is no compulsory retirement age for EMT participants.

Appendix 6
Legislative Changes 1968 through 2001

1968 to 1979 Sessions

- Compensation widow/widower annuities changed from \$300 to 75% of salary;
- Supplemental widow/widower annuities became 40% of salary;
- 5 year average salary became 4 years;
- Minimum employee annuities increased from \$200 in stages;
- Minimum widow/widower annuities increased from \$100 in stages;
- Children's annuities changed from \$40/\$60 to 10%/15% of salary of first class firefighter;
- Parent annuities increased to 18% of salary of first class firefighter;
- Lump sum benefits were increases; and
- The deduction from salary increased from 1% to 1.5% of salary for the spouse annuity.

1979 Session

SB 854

Recall of elective members of the Board of Trustees.

HB 291

Authorizes investment in Time Deposits of Certificate of Deposit.

HB2012

Employer may pick up, under IRS Code Section 414(h), the employee contributions for all compensation earned after December 31, 1980 by a reduction in the cash salary, an offset to a future salary increase, or by a combination of both.

1980 Session

Transfer of credit to the General Assembly System.

HB 3635

Reversed all changes made by HB 2012 and put the pick up section as a new paragraph. They are treated as employee contributions for all purposes including refunds and determination of the tax levy.

1981 Session

SB 21

Actuarial Reporting Standards.

SB 851

Authorizes investments in conventional mortgage pass-through securities.

SB 879

Financial statement required by Department of Insurance within 6 months and actuarial statement within 9 months. \$100 penalty per day if late.

HB 291

Increase minimum survivor's annuity from \$200 to \$250.

Spring 1982 Session

SB 740

3% post-retirement increase for employees born before January 1, 1930. All increases begin at age 60 instead of age 63 effective July 1, 1982.

SB 1127

Group health hospital and surgical insurance premium \$55 for annuitant not qualified to receive Medicare; \$21 if annuitant is qualified, effective January 1, 1983.

SB 1579

Expanded fiduciary standards, prohibited transactions, civil action may be brought by Attorney General or by a participant. List of permitted investments moved to general section of the statute.

HB 2361

Election by mail ballot.

Spring 1983 Session

SB 22

Delegation of investment authority restrictions.

SB 1147

Minimum reporting and actuarial information for 1984.

HB 366, SB 288

Changes fiduciary standards: party in interest definition; reasonable care of co-fiduciary; eliminates civil action.

HB 377

Cancer as occupational disability.

HB 380

Paramedics as members July 1, 1983.

HB 455

Bill of Rights.

HB 483

Temporary position defined.

HB 514

10% prudent person investment category.

HB 755

Change in lump sum death benefit: \$6,000 if retired, \$12,000 if active and under age 50,

reduced by \$400 each year age 50 or older.

HB 758

Vote by mail.

50/20 2% minimum annuity formula (52/22 in 1984; 51/21 in 1985; 50/20 in 1986 and after).

30% salary of first class firefighter; widow/widower of active employee with 1.5 years of service effective June 30, 1984.

50% of retirement pension being paid (includes increases); widow/widower of retiree effective June 30, 1984.

City Ordinance

Change in lump sum death benefit: \$6,000 if retired, \$12,000 if active and under age 50, reduced by \$400 each year age 50 or older.

Changes compulsory retirement from 63 to 70.

1984 Session

Direct deposit.

Illinois Public Employees' Pension Laws Commission abolished.

1985 Session

HB 164

Occupational disability benefits from 50 % to 65 % of salary for new disabilities.

Survivors' annuity for death in service 50% of the firefighter's annuity as if the deceased firefighter had retired just prior to the date of death.

Removes alcoholism and venereal disease prohibition against paying ordinary disability.

Removes adoption before age 50 requirement for child's benefit.

1986 Session

HB 2630

Removes the age 18 limitation for handicapped children of duty and occupational disease disability recipients.

Provides for waiver of annual physical examination for disability recipients if firefighter is permanently disabled and unable to ever return to service.

1987 Session

None.

1988 Session—City Ordinance

Compulsory retirement changed to age 63.

1989 Session

HB 332

\$325 minimum widow/widower annuity effective January 1, 1988.

SB 95

Changed the amount of fund paid health insurance "supplement" from January 1, 1988 until December 31, 1992 to \$65 per month for each annuitant not qualified to receive Medicare benefits (and \$35 if qualified) and from January 1, 1993 until December 31, 1997 the amounts are \$75 and \$45, respectively. Widow/widowers will now be supplemented also. The City will be required to pay 50% of the aggregate cost of health care claims for the retired group under all health care plans offered by the City. A procedure was established for the City to determine, with the help of an independent actuary, the aggregate cost of claims and premiums for each calendar year from 1989 through 1998 for the retired group.

\$475 minimum employee annuity effective January 1, 1990.

Compensation and Supplemental annuitants may remarry after 1989 without loss of benefits.

Employee refunds must be repaid at 4% before the later of 2 years after the date of reentry or January 1, 1992.

3% postretirement increase beginning January 1, 1990 for employees born after December 31, 1929 and before January 1, 1940.

Employee may purchase periods of suspension (not to exceed a total of 1 year of service) and 1980 strike time (not to exceed 23 days). Paramedic who transferred from the pension fund established under Article 8 of this Code to this Fund by operation of Public Act 83-780 may purchase Article 8 service at 4% annual compound interest rate prior to January 1, 1992, if the employee received a refund from the Article 8 fund.

1990 Session

SB 136

Amends Chapter 120, Paragraph 671 of the Revenue Act to provide for a separate listing on the tax bill of the dollar amount of tax due from the person assessed, which is allocable to a tax levied under the Illinois Pension Code, or any other tax levied by a municipality or township for public pension or retirement purposes. Effective January 1, 1990.

SB 1951

Signed January 14, 1991. Service credit will be given for any periods prior to January 14, 1993 that an active firefighter who is a member of the General Assembly is absent to perform his legislative duties. No payment is required for this service credit. The current salary of the rank would be used for average salary for annuity purposes.

Any firefighter who had service as a paramedic in the Municipal Fund and received a refund of contributions could receive credit for the service in the Fire Fund by making written application to the Board by January 1, 1992 and paying for the service.

December 31, 1990 any firefighter with at least 20 years of service may withdraw from the service at any age and receive an annuity calculated under Section 6-128 beginning at age 50 if under that age at withdrawal.

Beginning January 1, 1990, the minimum widow/widower annuity is \$400 per month for all those receiving a widow/widower annuity on January 14, 1991 and for future widow/widowers of employees who retired at age 50 or over with at least 20 years of service.

If a widow/widower remarries after December 31, 1989, after attaining age 60, her annuity will continue without interruption. If the annuity is suspended because she remarries before attaining age 60, annuity payments will be resumed if the subsequent marriage ends.

If any widow/widower receives a widow/widower annuity from the Fire Fund and after December 31, 1989 marries a firefighter in the Fund, his/her first widow/widower annuity will be canceled if she accepts any payment of a second widow/widower's annuity after he dies.

Beginning January 14, 1991, any city officer can transfer his Fire service to the Municipal Fund.

1991 Session

None.

1992 Session

HB 969

Approved March 26, 1992. Beginning January 1992, the minimum retirement annuity (requires retirement at age 50 or over with at least 20 years of service) was increased to \$650 per month and the minimum widow/widower annuity was increased to \$500 for those receiving annuity and those who will be eligible in the future (requires retirement or death in service at age 50 or over with at least 20 years of service).

SB 1650

Approved January 25, 1993.

The minimum retirement annuity (requires retirement at age 50 with at least 20 years of service) was increased to \$750 per month on January 1, 1993 and \$850 per month on January 1, 1994.

The minimum widow/widower annuity (requires retirement or death in service at age 50 or over with at least 20 years of service) was increased to \$600 per month on January 1, 1993 and \$700 per month on January 1, 1994 for those eligible present and future widow/widowers.

Service credit will be given for any periods in General Assembly prior to January 9, 1997 (instead of January 14, 1993).

The annuitant may waive all or any portion of his annuity.

1993 Session

SB 358

Approved January 10, 1994. Beginning January 1, 1994, minimum Duty and Occupational Disease Disabilities have been established, if the employee has been on the disability for 10 years: 50% of current salary of rank at removal from Department payroll.

ADEA

Effective January 1, 1994, the federal law (ADEA) allowing compulsory retirement at age 63 has lapsed. As such, duty disability and occupational disease disability benefits and widow/widower compensation benefits may be "open ended", i.e., without limiting age.

1994 Session

None.

1995 Session

SB 114

Approved July 14, 1995.

The minimum widow/widower annuity was increased to \$700 per month for anyone entitled to receive a widow/widower annuity.

A widow/widower's annuity that was previously terminated because of remarriage before December 31, 1989 will be resumed upon proper application if the subsequent marriage has ended.

Employees have until 2 years after the date of reentry or January 1, 2000 to repay a refund.

For employee annuitants born before January 1, 1945, the 3 % postretirement increase begins at age 55.

The provisions relating to purchase of credit for certain periods of service as a paramedic or other fire department employee were changed.

The City is authorized to substitute funds obtained from borrowings and other sources for a portion of its authorized tax levy for pension purposes.

The amount of earnings that may be taken into account by any retirement system is limited to the maximum dollar limitation specified in Section 401(a)(17) of the Internal Revenue Code, except for persons who became participants before 1996.

The Fund is authorized to make certain involuntary distributions required by Section 401(a)(9) of the Internal Revenue Code.

SB 424

Approved July 7, 1995.

The Pension Laws Commission was created as a legislative support services agency.

1996 Session

SBJPA

On August 20, 1996 the Small Business Job Protection Act was signed by President Clinton.

Treatment of governmental plans under Code Section 415:

Rule limiting annual benefit to 100% of the average of the highest 3-year compensation no longer applies.

Appendix 7
Additional Exhibits

Exhibit A-1

GASB #25 and #27 Disclosures

The Governmental Accounting Standards Board (GASB) has adopted Statement #25, changing the way in which governmental retirement systems must report financial information. GASB #25 is effective for Fund and City reporting in 1997.

GASB #25 and #27 make a number of significant changes to retirement plan reporting. They eliminate the dual reporting of actuarial liabilities that was required under GASB #5. Under GASB #5, many plans including the Fund, reported liabilities determined under one actuarial cost method for internal purposes, but were required to also provide liabilities determined under the Projected Unit Credit method for financial reports. Under GASB #25 and #27, systems select one actuarial method from several acceptable alternatives, and report all information on this one basis.

This report includes the following Exhibits with information required to be reported under GASB #25 and #27.

Exhibit A-2: Schedule of Funding Progress for GASB #25

This exhibit shows six years of a history of funding progress. The funding progress is a comparison of Actuarial Value of Assets with the Actuarial Accrued Liability (AAL), and a comparison of the unfunded AAL (UAAL) with compensation.

Exhibit A-3: Schedule of Employer Contributions for GASB #25

This exhibit shows the Annual Required Contribution (ARC) as computed under GASB #25 and the percent of this amount actually received. This exhibit will ultimately include a six-year history.

Exhibit A-4: Supplementary Information for GASB #25 and #27

This exhibit has certain information required in the notes to the Fund and City financial reports.

Exhibit A-5: Annual Pension Cost and Contributions Made for GASB #27

This exhibit shows the components of annual pension cost (ARC, interest on the Net Pension Obligation (NPO), and the adjustment to the ARC), increase or decrease in the NPO and the NPO at the end of the year. The exhibit also includes the dollar amount of contributions made.

Exhibit A-6: Pension Cost Summary for GASB #27

This exhibit has a five-year summary of annual pension cost, percentage of annual pension cost contributed that year and NPO at the end of the year.

Exhibit A-7: Development of Net Pension Obligation (NPO) at January 1, 1997

This exhibit documents the calculation of the pension liability at transition in accordance with GASB #27.

Excess benefit plans are permitted to provide participants with benefits in excess of the Code Section 415 limits.

Early retirement reduction does not apply to certain survivor and disability benefits.

The definition of compensation now includes elective deferrals.

Taxation of distributions:

\$5,000 death benefit exclusion was repealed for deaths after August 20, 1996.

Five-year averaging for lump sum distributions was repealed effective January 1, 2000.

Annuity payments will be taxed according to a simplified general rule, which uses investment and age as of annuity starting date for annuities, which start on or after November 19, 1996.

1997 Session

HB 313

Signed June 27, 1997.

Coverage in the City group health insurance is extended through June 30, 2002, with some modification in plans offered. Pension fund supplement remains \$45 and \$75 for Medicare eligible and non-Medicare eligible annuitants respectively.

1998 Union Contract Cost of Living Increases

The following salary increases are scheduled:

1.5% effective July 1, 1995.

1.5% effective January 1, 1996.

1.5% effective July 1, 1996.

3.5% effective January 1, 1997.

3.75% effective January 1, 1998.

2.25% effective January 1, 1999.

1998 Session

The minimum widow/widower annuity (requires retirement or death in service at age fifty or over with at least twenty years of service) was increased to \$800 per month on January 1, 1999 for those eligible present and future widow/widowers.

1999 Session

None.

2000 Session

In 2000 the City of Chicago enacted mandatory retirement for all firefighters, except for emergency medical technicians, upon attainment of age 63.

2001 Session

None.

EXHIBIT I - PART I

SHOWING MALE PARTICIPANTS RECEIVING ORDINARY DISABILITY
 CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2001

Under 1 Year		1 to 4		5 to 9		10 to 14		15 to 19		20 & Over		Total	
No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments
												0	0
												0	0
												0	0
												0	0
										2	43,466	2	43,466
												0	0
												0	0
												0	0
0	0	0	0	0	0	0	0	0	0	2	43,466	2	43,466

EXHIBIT I - PART II

SHOWING FEMALE PARTICIPANTS RECEIVING ORDINARY DISABILITY
 CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2001

Under 1 Year		1 to 4		5 to 9		10 to 14		15 to 19		20 & Over		Total	
No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments
												0	0
												0	0
												0	0
												0	0
												0	0
												0	0
												0	0
												0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXHIBIT J - PART I

SHOWING MALE PARTICIPANTS RECEIVING OCCUPATIONAL DISEASE DISABILITY
CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2001

Attained Age	Under 1 Year		1 to 4		5 to 9		10 to 14		15 to 19		20 & Over		Total Annual Payments	
	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments		
Under 30													0	0
30 to 34													0	0
35 to 39													0	0
40 to 44							1	33,657					1	33,657
45 to 49							1	28,743	3	103,518	2	72,127	6	204,387
50 to 54							2	59,366	5	165,438	19	761,234	26	986,038
55 to 59					1	35,076	1	25,890	6	171,248	48	1,896,026	56	2,128,240
60 & over							2	59,547	3	90,917	52	2,066,869	57	2,217,333
Totals	0	0	0	0	1	35,076	7	207,203	17	531,121	121	4,796,256	146	5,569,655

EXHIBIT J - PART II

SHOWING FEMALE PARTICIPANTS RECEIVING OCCUPATIONAL DISEASE DISABILITY
CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2001

Attained Age	Under 1 Year		1 to 4		5 to 9		10 to 14		15 to 19		20 & Over		Total Annual Payments	
	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments	No.	Annual Payments		
Under 30													0	0
30 to 34													0	0
35 to 39													0	0
40 to 44													0	0
45 to 49													0	0
50 to 54												0	35,244	
55 to 59											1	0	0	
60 & over												0	0	
Totals	0	0	0	0	0	0	0	0	0	0	1	35,244	1	35,244

EXHIBIT K

HISTORY OF AVERAGE ANNUAL SALARIES

Year End	Members in Service ¹	Percent Increase	Annual Salaries	Percent Increase	Average Salary	Percent Increase	Actuarial Salary Assumption	CPI Chicago
1972	4,647	--	\$68,371,056	--	\$14,713	--	3.5%	3.0%
1973	4,743	2.1%	71,356,838	4.4%	15,045	2.3%	3.5%	6.3%
1974	4,587	(3.3%)	74,052,960	3.8%	16,144	7.3%	3.5%	10.6%
1975	4,484	(2.2%)	81,108,696	9.5%	18,088	12.0%	5.0%	8.0%
1976	4,321	(3.6%)	83,776,152	3.3%	19,388	7.2%	5.0%	4.7%
1977	4,434	2.6%	89,614,440	7.0%	20,211	4.2%	5.0%	6.3%
1978	4,478	1.0%	94,615,320	5.6%	21,129	4.5%	5.0%	8.5%
1979	4,297	(4.0%)	97,074,696	2.6%	22,591	6.9%	5.0%	12.5%
1980	5,054	17.6%	116,136,192	19.6%	22,979	1.7%	5.0%	14.5%
1981	4,884	(3.4%)	122,107,512	5.1%	25,002	8.8%	5.0%	9.5%
1982	4,834	(1.0%)	134,633,208	10.3%	27,851	11.4%	6.0%	6.9%
1983	5,294	9.5%	162,697,584	20.8%	30,732	10.3%	6.0%	4.0%
1984	5,147	(2.8%)	160,434,312	(1.4%)	31,170	1.4%	6.0%	3.8%
1985	5,047	(1.9%)	157,426,898	(1.9%)	31,192	0.1%	6.0%	3.8%
1986	5,103	1.1%	176,451,816	12.1%	34,578	10.9%	6.0%	2.1%
1987	5,183	1.6%	186,840,432	5.9%	36,049	4.3%	6.0%	4.1%
1988	5,233	1.0%	188,093,568	0.7%	35,944	(0.3%)	6.0%	3.9%
1989	5,231	0.0%	194,241,480	3.3%	37,133	3.3%	6.0%	5.0%
1990	5,337	2.0%	211,869,720	9.1%	39,698	6.9%	6.0%	5.4%
1991	5,323	(0.3%)	227,649,000	7.4%	42,767	7.7%	6.0%	4.0%
1992	5,204	(2.2%)	223,578,000	(1.8%)	42,963	0.5%	6.0%	3.0%
1993	4,710	(8.1%)	202,080,072	(8.8%)	42,904	(0.8%)	6.0%	3.0%
1993 ²	5,124	(1.5%)	221,600,136	(0.9%)	43,247	0.7%	6.0%	3.0%
1994 ³	4,753	0.9%	226,703,496	12.2%	47,697	11.2%	6.0%	2.2%
1995	4,678	(1.6%)	228,604,584	0.8%	48,868	2.5%	6.0%	3.2%
1996	4,806	2.7%	233,033,832	1.9%	48,488	(0.8%)	6.0%	2.7%
1997	4,856	1.0%	234,726,936	0.7%	48,338	(0.3%)	5.0%	2.7%
1998	4,783	(1.5%)	262,248,978	11.7%	54,829	13.4%	5.0%	1.5%
1999	4,855	1.5%	271,335,540	3.5%	55,888	1.9%	5.0%	2.6%
2000	4,878	0.5%	275,106,756	1.4%	56,397	0.9%	5.0%	4.0%
2001 ⁴	4,930	1.5%	277,964,912	2.4%	56,382	0.9%	5.0%	0.8%
Average Increase (Decrease) for the Last 5 Years								
		0.6%		3.9%		3.4%		2.3%

¹ Includes those members who were on disability through 1994.

² Restates without disabilities for comparison. Percent increases (decreases) are based on change from with disabilities to without disabilities in 1994.

³ Beginning in 1994, occupational disease and duty disability beneficiaries are no longer included as actives. Without disabilities included in 1993, there would have been 4,710 actives with total salaries of \$202,080,072 and an average salary of \$42,904. The percent increase from 1993 to 1994 without disability beneficiaries in either year would be 0.9% for members in service, 12.2% for total salary, and 11.2% for average salary.

⁴ Average annual increase in average salary 1972-2001, about 4.8% compounded. The average annual increase in the annual average Chicago CPI for the same period is about 5.2%

EXHIBIT L

NEW ANNUITIES GRANTED DURING 2001

	Annuitants	Widows/ Widowers of Deceased Employees ¹	Widows/ Widowers of Deceased Annuitants	Compensation Widows/ Widowers ³	Supplemental Widows/ Widowers
Number retired/deceased	114	4	123	1	0
Average age attained [Employee]	60.2	57.7	77.0	37.3	N/A
Average length of service	30.9	26.4	29.9	14.1	N/A
Average Spouse Age	56.8	60.1	74.9	46.1	N/A
Average annual salary [4 out of 10]	63,228	N/A	N/A	N/A	N/A
Average annual final salary	65,310	N/A	N/A	N/A	N/A
Total annual annuity	5,171,784	78,021	1,787,439	46,661	N/A
Average annual annuity	45,768	19,505	14,532	46,661	N/A
Total statutory liability	77,709,583	1,361,011	14,256,560	1,309,545	N/A
Average liability	681,663	340,253	115,907	1,309,545	N/A
Total investment [Employee-paid for tax purposes]	7,897,607	N/A	N/A	N/A	N/A
Average investment ²	69,277	N/A	N/A	N/A	N/A
Liability/cost	9.8	N/A	N/A	N/A	N/A
Liability/final pay	10.4	N/A	N/A	N/A	N/A

¹ Not including compensation or supplemental.

² Based on previously taxed contributions.

³ Does not include transfers from supplemental widows.

EXHIBIT M

RETIREES AND BENEFICIARIES BY TYPE OF BENEFIT

Years	Annuitants						Disability				Total
	Employee	Disability Pensioner	Spouse	Supplemental Widow/Widower	Child	Parent	Ordinary	Duty	Occupational	Compensation Widow/Widower	
1981	1,777	8	1,229	77	149	3	9	172	189	46	3,659
1982	1,784	4	1,231	78	142	3	15	184	198	43	3,682
1983	1,786	3	1,241	84	122	2	12	187	196	42	3,675
1984	1,813	3	1,228	79	129	2	6	199	198	44	3,701
1985	1,884	2	1,224	77	129	2	6	211	191	49	3,775
1986	2,025	1	1,233	75	126	2	5	226	158	56	3,907
1987	2,080	1	1,236	87	121	2	7	233	143	46	3,956
1988	2,180	1	1,245	83	115	2	9	216	117	43	4,011
1989	2,235	1	1,237	68	108	1	8	235	122	55	4,070
1990	2,242	0	1,248	67	106	1	11	253	133	51	4,112
1991	2,226	0	1,264	65	121	1	14	267	143	49	4,150
1992	2,261	0	1,277	68	113	1	11	286	147	40	4,204
1993	2,257	0	1,291	69	114	1	10	274	140	35	4,191
1994	2,207	0	1,316	66	114	2	6	284	142	36	4,173
1995	2,248	0	1,332	62	110	1	8	297	144	40	4,242
1996	2,257	0	1,328	61	110	1	8	292	169	44	4,270
1997	2,235	0	1,348	60	111	1	11	296	194	46	4,302
1998	2,251	0	1,360	56	125	2	8	295	197	49	4,343
1999	2,351	0	1,450	56	139	2	5	295	203	49	4,550
2000	2,538	0	1,440	51	132	2	6	257	139	49	4,614
2001	2,422	0	1,330	0	116	2	2	262	147	89	4,370

In 2001 all Supplemental Widows were moved into the Compensation Widows Group.

EXHIBIT N

AVERAGE EMPLOYEE RETIREMENT BENEFITS PAYABLE

Years Ended	Average Annual Benefit	Average Current Age of Retirees	Average Annual Benefit at Retirement Current Year	Average Age at Retirement Current Year	Average Years of Service at Retirement Current Year
1981	\$10,266	67	\$16,551	59.2	29.8
1982	11,083	67	15,862	59.0	28.3
1983	11,749	68	19,351	60.8	30.2
1984	13,012	68	21,401	59.4	30.5
1985	14,243	68	22,897	59.1	30.4
1986	15,635	68	24,826	58.6	29.8
1987	16,833	68	26,342	59.1	30.4
1988	18,476	68	28,166	61.4	31.1
1989	19,732	68	29,967	60.4	31.1
1990	20,853	68	30,038	60.3	30.9
1991	21,942	69	30,983	60.0	31.4
1992	23,503	69	32,758	59.9	31.3
1993	25,031	69	34,267	61.6	31.7
1994	26,262	70	34,391	59.8	31.2
1995	27,935	70	38,872	60.3	32.1
1996	29,304	70	40,406	60.4	32.0
1997	30,787	70	41,543	59.8	31.6
1998	32,503	71	43,905	60.1	32.1
1999	34,067	71	44,001	60.4	31.4
2000	36,458	71	48,534	63.5	34.2
2001	38,048	71	45,768	60.2	30.9

EXHIBIT O

HISTORY OF ANNUITIES 1977-2001

A. Employee Annuitants (Male and Female)

Year End	Number of Annuitants	Total Annuities	Average Annuities
1977	1,531	\$11,489,466	\$7,505
1978	1,622	13,321,159	8,213
1979	1,691	15,196,774	8,987
1980	1,738	16,834,908	9,686
1981	1,785	18,324,696	10,266
1982	1,788	19,816,065	11,083
1983	1,789	21,018,158	11,749
1984	1,816	23,648,174	13,022
1985	1,886	26,863,056	14,243
1986	2,026	31,676,856	15,635
1987	2,081	35,030,176	16,833
1988	2,181	40,296,025	18,476
1989	2,235	44,101,893	19,732
1990	2,242	46,752,084	20,853
1991	2,226	48,843,715	21,942
1992	2,261	53,140,074	23,503
1993	2,257	56,495,862	25,031
1994	2,207	57,960,522	26,262
1995	2,248	62,797,419	27,935
1996	2,257	66,139,690	29,304
1997	2,235	68,808,890	30,787
1998	2,251	73,163,601	32,503
1999	2,351	80,090,897	34,067
2000	2,538	92,529,624	36,458
2001	2,422	92,152,832	38,048

EXHIBIT O (continued)**HISTORY OF ANNUITIES 1977-2001****B. Widow/Widower Annuitants (Including Supplemental & Parent
But Not Compensation Annuitants)**

Year End	Number of Annuitants	Total Annuities	Average Annuities
1977	1,239	\$3,304,974	\$2,667
1978	1,254	3,462,000	2,761
1979	1,294	3,635,109	2,809
1980	1,322	3,770,964	2,852
1981	1,309	4,390,509	3,354
1982	1,312	5,007,540	3,817
1983	1,327	5,220,709	3,934
1984	1,309	5,203,409	3,975
1985	1,303	5,328,940	4,090
1986	1,310	5,843,911	4,461
1987	1,325	6,273,158	4,734
1988	1,330	6,617,019	4,975
1989	1,319	7,743,932	5,871
1990	1,316	8,031,199	6,103
1991	1,330	9,316,132	7,005
1992	1,346	10,774,709	8,005
1993	1,361	12,121,722	8,906
1994	1,384	13,680,765	9,885
1995	1,395	14,495,633	10,391
1996	1,389	14,709,232	10,590
1997	1,409	15,397,832	10,928
1998	1,418	15,969,975	11,262
1999	1,508	18,136,173	12,027
2000	1,493	18,352,906	12,293
2001	1,332	16,516,021	12,399

EXHIBIT P

HISTORY OF RETIREES AND BENEFICIARIES ADDED TO AND REMOVED FROM BENEFIT PAYROLL

Yr.	Added to Payroll		Removed from Payroll		Payroll End of Year		Average Annual Benefits	Increase to Avg. Benefits
	No.	Annual Benefits.	No.	Annual Benefits	No.	Annual Benefits		
Employee Annuitants (Male and Female)								
1994	64	\$3,884,646	114	\$2,419,986	2,207	\$57,960,532	\$26,262	4.9%
1995	143	7,076,962	102	2,240,065	2,248	62,797,429	27,935	6.4
1996	101	5,578,794	92	2,236,533	2,257	66,139,690	29,304	4.9
1997	98	5,578,537	120	2,909,337	2,235	68,808,890	30,787	5.1
1998	122	5,356,352	106	2,446,381	2,251	73,163,601	32,503	5.6
1999	118	5,192,157	18	245,975	2,351	80,090,897	34,067	4.8
2000	265	12,861,578	78	2,413,778	2,538	92,529,624	36,458	7.0
2001	114	5,171,784	230	5,548,576	2,422	92,152,832	38,048	4.4
Widow/Widower Annuitants (Not Including Compensation)								
1994	90	\$2,145,835	67	\$586,792	1,384	\$13,680,765	\$9,885	11.0%
1995	97	1,592,509	86	777,641	1,395	14,495,633	10,391	5.1
1996	64	860,178	70	646,579	1,389	14,709,232	10,590	1.9
1997	91	1,314,596	71	625,996	1,409	15,397,832	10,928	3.2
1998	86	1,188,236	73	778,838	1,418	15,969,975	11,262	3.1
1999	82	1,268,687	0	0	1,508	18,136,173	12,027	6.8
2000	70	1,204,364	85	987,631	1,493	18,352,906	12,293	2.2
2001	127	1,865,460	288	3,702,345	1,332	16,516,021	12,399	0.9

Appendix 4
Actuarial Methods and Assumptions
as of December 31, 2001

ACTUARIAL METHODS AND ASSUMPTIONS

AS OF DECEMBER 31, 2001

I. ACTUARIAL COST METHOD

An Actuarial Cost Method is a set of techniques used by the actuary to develop contribution levels under a retirement plan. The Actuarial Cost Method used in this valuation for all purposes is the Entry Age Actuarial Cost Method. Under this Method, a Normal Cost is developed by amortizing the actuarial value of benefits expected to be received by each active participant over the total working lifetime of that participant, from hire to termination.

To the extent that current assets and future Normal Costs do not support participants' expected future benefits, an Unfunded Actuarial Accrued liability ("UAAL") develops. The UAAL is generally amortized over a defined period of time (e.g. 40 years) The total contribution developed under this method is the sum of the Normal Cost and the payment toward the UAAL.

II. CURRENT ACTUARIAL ASSUMPTIONS

A. Demographic Assumptions

Mortality: 1983 Group Annuity Mortality Table set forward three years for males and set back three years for females.

Disabled Mortality: 1992 Railroad Retirement Board's Disabled Annuitant's Mortality Table.

Rates of Disability: Rate at which members are assumed to become disabled under the provisions of the Fund. The rates assumed are as follows:

Attained Age	Entry Ages			
	Under 25	25-29	30-34	35 & Over
20-46	.01	.01	.01	.01
47-49	.01	.01	.01	.02
50-54	.02	.04	.02	.02
55-59	.02	.04	.03	.07
60-64	.03	.04	.05	.07
65 & over	.05	.00	.05	.07

Of the participants who become disabled, 55% are assumed to be duty disability and 45% are assumed to be occupational disease disability.

Rate of Retirement:

The rates at which members are assumed to retire under the provisions of the Fund have been modified to reflect the mandatory retirement age of 63 for all firefighters except emergency medical technicians. The two tables below show the assumed rates of retirement.

Entry Ages				
Attained				
Age	Under 25	25-29	30-34	35 & Over
50	.15	.10	.00	.00
51	.03	.05	.10	.00
52	.03	.05	.03	.00
53	.03	.05	.03	.00
54	.10	.05	.03	.00
55	.10	.10	.04	.00
56	.10	.10	.04	.00
57	.15	.10	.05	.00
58	.15	.10	.05	.00
59	.15	.10	.05	.00
60	.20	.20	.05	.00
61	.20	.20	.06	.00
62	.20	.20	.06	.00
63	1.00	1.00	1.00	1.00

The rates for EMT's are as follows:

Entry Ages				
Attained				
Age	Under 25	25-29	30-34	35 & Over
50	.15	.10	.00	.00
51	.03	.05	.10	.00
52	.03	.05	.03	.00
53	.03	.05	.03	.00
54	.10	.05	.03	.00
55	.10	.10	.04	.00
56	.10	.10	.04	.00
57	.15	.10	.05	.00
58	.15	.10	.05	.00
59	.15	.10	.05	.00
60	.20	.20	.05	.00
61	.20	.20	.06	.00
62	.20	.20	.06	.05
63	.20	.15	.20	.05
64	.20	.15	.20	.05
65	.30	.30	.20	.30
66	.30	.30	.20	.30
67	.30	.30	.20	.40
68	.30	.30	.20	.40
69	.30	.30	.20	.40
70	1.00	1.00	1.00	1.00

Rate of Termination: The following sample rates exemplify the table:

Attained Age	Entry Ages		
	Under 25	25-29	30 & Over
22	.045	.000	.000
27	.026	.024	.000
32	.015	.015	.021
37	.008	.008	.013
42	.003	.002	.005
47	.001	.000	.001
52	.000	.000	.001

B. Economic Assumptions

Investment Return Rate: 8.00% per annum (net of investment expense). This assumption contains a 3% inflation assumption and a 5% real rate of return assumption.

Future Salary Increases: Assumed rates of individual salary increase at 5.0% per year. The salary assumption includes a 3% wage inflation and 2% merit and longevity assumption.

Asset Value: For State reporting, the actuarial value of assets is smoothed by using a five-year average market value.

For GASB #25 and #27, the actuarial value of assets is smoothed by using a five-year average market value.

C. Other Assumptions

Marital Status: It is assumed that 85% of members have an eligible spouse. The male spouse is assumed six years older than the female spouse. No assumption is made about other dependents.

Group Health Insurance: It is assumed for valuation purposes that the current health insurance supplement will continue for life for all employee annuitants (and their future widows/widowers). The amount of the Fund paid health insurance from January 1, 1993 until June 30, 2002 is \$75.00 per month for each annuitant (employees and widows/widowers) not qualified to receive Medicare benefits and \$45.00 if qualified. It is assumed that all annuitants age 65 and over will be eligible for Medicare and all annuitants less than age 65 will not be eligible for Medicare. Future widows of retirees are assumed to be eligible for Medicare, as well as widow annuitants that are currently receiving a health insurance supplement.

Required Ultimate Multiple: It is based on the actuarial requirements (adjusted for tax levy loss) less expected employee contributions divided by the actual employee contributions made in the second prior year.

Loss in Tax Levy: 4% overall loss on tax levy is assumed.

Appendix 5

Summary of Provisions of the Fund as of December 31, 2001



**SUMMARY OF
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS
AS OF DECEMBER 31, 2001**

PARTICIPANTS

Person employed by the City of Chicago in its fire service as firefighter, fire paramedic, fire engineer, marine engineer, or fire pilot, whose duty it is to participate in the work of controlling and extinguishing fire at the location of any such fire, whether or not he is assigned to fire service other than the actual extinguishing of fire.

SERVICE

In computing service, the following periods shall be counted:

All periods of active service, vacation, leave of absence with whole or part pay, military service, periods of disability for which he receives disability benefit, and leave of absence without pay to perform the duties of a member of the General Assembly prior to January 9, 1997. It is computed on a day to day basis. Employees may purchase the 1980-strike time and periods of suspension less than one year. Employees may purchase, with 4% interest; periods of employment of the Chicago Fire Department from 1970 until the employee entered this fund.

RETIREMENT ANNUITY

Eligibility

Attainment of age 50 with at least 10 years of service.

Mandatory

Retirement is mandatory for a participant who has attained age 63, except for emergency medical technicians.

Accumulation Annuity

At age 50 or more, with 10 or more years of service, the employee is entitled to an annuity based on the sums accumulated for age and service annuity plus 1/10 of the sum accumulated from the contributions by the City for the age and service annuity for each completed year of service after the first 10 years. At age 50 or more with 20 or more years or at age 63, the employee is entitled to an annuity based on all sums accumulated to his or her credit. The maximum is 75 % of highest salary.

Minimum Formula Annuity

- (1) At age 53 and 23 years of service the employee is entitled to 50%, plus 1% for each year of service after 23 years and before age 53, plus 2 % for each year of service after 23 years and age 53, of final average salary (highest 4 consecutive years within last 10). Maximum is 75% of highest salary.

Exhibit A-2

**SCHEDULE OF FUNDING PROGRESS
 FOR GASB #25**

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)
12/31/2001	\$ 1,245,129,955	\$ 2,068,717,901	\$ 823,587,946	60.19%	\$ 277,964,912	296.29%
12/31/2000	1,219,486,962	2,053,340,475	883,853,513	59.39	275,106,756	303.10
12/31/1999	1,145,215,019	1,879,666,868	734,451,849	60.93	271,335,540	270.68
12/31/1998	1,066,891,190	1,783,569,178	716,677,988	59.82	262,248,978	273.28
12/31/1997	978,313,319	1,640,020,672	661,707,353	59.65	234,726,936	281.91
12/31/1996	845,432,187	1,575,789,570	730,357,383	53.65	233,033,832	313.41

Exhibit A-3

**SCHEDULE OF EMPLOYER CONTRIBUTIONS
FOR GASB #25**

For Year Ending December 31	Annual Required Contribution	Actual Employer Contribution	Percentage Contributed
2002	\$105,106,367	TBD	TBD
2001	104,014,168	60,399,909	58.07%
2000	90,530,458	65,928,675	72.82%
1999	87,959,556	53,410,352	60.72%
1998	78,020,603	48,397,527	62.03%
1997	86,981,231	54,921,536	63.14%

Exhibit A-4

SUPPLEMENTARY INFORMATION FOR GASB #25 AND GASB #27

The information presented in the required supplementary schedules was determined as part of the actuarial valuations at the dates indicated. Additional information as of the latest actuarial valuation follows:

Valuation date	December 31, 2001
Actuarial Cost Method	Entry Age
Actuarial Value of Assets	5-year smoothed market
Amortization Method	Level dollar
Remaining Amortization Period	40 years
Actuarial Assumptions:	
Investment rate of return	8.0%
Projected salary increases	5.0% per year (of which 3% was for inflation)
Post-retirement increases	1.5% simple interest for 20 years for members born after 1945 3% simple interest for life for members born in or before 1945

Exhibit A-5

**ANNUAL PENSION COST AND CONTRIBUTIONS
MADE FOR GASB #27**

Contribution rates

City

Proceeds from a tax levy not more than an amount equal to the total amount of contributions by the employees to the Fund made in the calendar year two years prior to the year for which the annual applicable tax is levied, multiplied by 2.26.

Plan members

9.125%

Annual Pension Cost:

Annual Required Contribution (ARC)

\$104,014,168

Interest on Net Pension Obligation

39,429,687

Adjustment to ARC

(38,270,601)

Total

\$105,173,254

Contributions Made

\$60,399,909

Net Pension Obligation (NPO):

NPO, Beginning of Year

\$492,871,084

Increase/(Decrease) in NPO

44,773,345

NPO, End of Year

\$537,644,429

Pension Liability at Transition (January 1, 1997)

\$369,267,330

Exhibit A-6

**PENSION COST SUMMARY
FOR GASB #27**

<u>Year Ended December 31</u>	<u>Annual Pension Cost</u>	<u>% of Annual Pension Cost Contributed</u>	<u>Net Pension Obligation</u>
2001	\$105,173,254	57.43%	\$537,644,429
2000	91,629,104	71.95%	492,871,084
1999	88,974,566	60.03%	467,170,655
1998	78,963,730	61.29%	431,606,441
1997	86,732,136	63.37%	401,040,238

Exhibit A-7

DEVELOPMENT OF NET PENSION OBLIGATION (NPO) AT JANUARY 1, 1997

Year Ending December 31:	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Assumptions and Method										
Interest Rate	7.5%	7.5%	7.5%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Amortization Period (years)	40	40	40	40	40	40	40	40	40	40
Cost Method	EAN	EAN	EAN	EAN	EAN	EAN	EAN	EAN	EAN	EAN
Annual Pension Cost										
Actuarially Determined Contribution (ADC)										
Normal Cost	\$44,023,556	\$44,652,516	\$45,746,453	\$43,184,329	\$47,236,555	\$51,515,900	\$52,304,610	\$53,235,963	\$48,144,514	\$49,878,875
40 Year Amortization	39,898,154	39,352,208	40,223,713	42,067,968	46,890,387	51,539,966	50,994,199	50,104,234	58,739,960	60,136,652
Total ADC	\$83,921,710	\$84,004,724	\$85,970,166	\$85,252,297	\$94,126,942	\$103,055,866	\$103,298,809	\$103,340,197	\$106,884,474	\$110,015,527
Interest on NPO		2,769,886	5,550,082	8,059,065	10,439,561	13,342,202	16,836,891	20,063,899	23,224,933	26,163,631
Adjustment to ADC		(2,827,639)	(5,596,880)	(8,127,020)	(10,527,588)	(13,454,705)	(16,978,861)	(20,233,079)	(23,420,768)	(26,384,245)
Annual Pension Cost	\$83,921,710	\$83,946,971	\$85,923,368	\$85,184,342	\$94,038,915	\$102,943,363	\$103,156,839	\$103,171,017	\$106,688,639	\$109,794,913
Contributions for Year										
Employer Contributions	\$29,562,500	\$34,339,139	\$37,016,865	\$36,478,751	\$36,504,134	\$38,448,497	\$42,036,863	\$42,727,953	\$41,616,542	\$43,527,172
Employee Contributions	17,427,400	17,163,621	17,544,210	18,949,395	21,251,755	20,811,264	20,782,382	20,930,122	28,338,382	24,045,799
Total Contributions	\$46,989,900	\$51,502,760	\$54,561,075	\$55,428,146	\$57,755,889	\$59,259,761	\$62,819,245	\$63,658,075	\$69,954,924	\$67,572,971
Net Pension Obligations (NPO)										
NPO at Beginning of Year	\$0	\$36,931,810	\$69,376,021	\$100,738,313	\$130,494,509	\$166,777,535	\$210,461,137	\$250,798,731	\$290,311,673	\$327,045,388
Annual Pension Cost	83,921,710	83,946,971	85,923,368	85,184,342	94,038,915	102,943,363	103,156,839	103,171,017	106,688,639	109,794,913
Total Contributions	(46,989,900)	(51,502,760)	(54,561,075)	(55,428,146)	(57,755,889)	(59,259,761)	(62,819,245)	(63,658,075)	(69,954,924)	(67,572,971)
NPO at End of Year	\$36,931,810	\$69,376,021	\$100,738,313	\$130,494,509	\$166,777,535	\$210,461,137	\$250,798,731	\$290,311,673	\$327,045,388	\$369,267,330

April 11, 2002

- b) **Asset Values** — The values of assets of the Fund were provided by the Fund's staff. Actuarial value of assets was used to develop actuarial results for the State-reporting basis, as well as for GASB Statement No. 25 and Statement No. 27.
- c) **Actuarial Method** — The actuarial method utilized by the Fund is the Entry-Age Actuarial Cost Method. The objective of this method is to amortize the costs of Fund benefits over the entire career of each member as a level percentage of compensation. Any Unfunded Actuarial Accrued Liability (UAAL) under this method is separately financed. All actuarial gains and losses under this method are reflected in the UAAL.
- d) **Actuarial Assumptions** — The same actuarial assumptions as last year were used for this valuation. They are set out in Appendix 4.

The funding objective is to provide employer and employee contributions sufficient to provide the benefits of the Fund when due. The provision of State Law establishing the Fund constrains employer contributions to be 2.26 times the employee contribution level in the second prior fiscal year. Thus, with an administrative lag, the employer contribution is designed to match the employee contribution in a 2.26:1 relationship. The most recent actuarial valuation of the Fund on the State reporting basis shows that a ratio of 4.44:1 is needed to adequately finance the Fund.

As a result of a business alliance between Gabriel, Roeder, Smith & Company and the Fund's prior actuary, Watson Wyatt Worldwide, the Fund's retained actuary is Gabriel, Roeder, Smith & Company, effective with the December 31, 2001 actuarial valuation. There are no material differences in the valuation resulting from this change.

The valuation results set out in this report are based on the data and actuarial techniques described above, and upon the provisions of the Fund as of the valuation date. Based on these items, we certify these results to be true and correct.

To the best of our knowledge this report is complete and accurate and was conducted in accordance with standards of practice promulgated by the Actuarial Standards Board and in compliance with the City Ordinance. The actuarial assumptions used for the valuation produce results which, in the aggregate, are reasonable. This valuation was produced under the supervision of a member of the Academy of Actuaries with significant experience in valuing public employee retirement systems.

Gabriel, Roeder, Smith and Company



Michael R. Kivi, FSA
Consultant



Kenneth Alberts
Consultant



W. James Koss, ASA
Consultant



Lorraine Zytkowski
Analyst

MRK/KA/WJK/LZ:ct

EXHIBIT A
SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS
FOR FISCAL YEAR ENDING DECEMBER 31, 2002

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,664	264	4,928
Increases:			
Participants Added During Year	112	7	119
Participants Returning From Inactive or Disability Status	5	0	5
Totals	4,781	271	5,052
Decreases:			
Terminations During Year	138	6	144
Number of Participants at End of Fiscal Year	4,643	265	4,908
Total Inactive Participants			171
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	5	1	6
Withdrawal (Without Refunds)	29	4	33
Ordinary Disability Benefit	2	0	2
Occupational Disease Disability Benefit	22	0	22
Duty Disability Benefit	13	1	14
Retirements	62	0	62
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	5	0	5
Totals	138	6	144

¹This total differs from the total of 19 shown in Exhibit D due to the fact that only 6 of the refunds were paid to participants who were considered to be active as of December 31, 2001.

Appendix 4
Appendix 5

Exhibit A

Summary of Changes in Active Participants For Fiscal Year Ending December 31, 2001

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,620	258	4,878
Increases:			
Participants Added During Year	207	10	217
Participants Returning From Inactive or Disability Status	3	1	4
Totals	4,830	269	5,099
Decreases:			
Terminations During Year	166	5	171
Number of Participants at End of Fiscal Year	4,664	264	4,928
Total Inactive Participants			126
 <u>Terminations:</u>			
Withdrawal (With Refunds) ¹	12	1	13
Withdrawal (Without Refunds)	38	2	40
Ordinary Disability Benefit	0	0	0
Occupational Disease Disability Benefit	21	0	21
Duty Disability Benefit	14	2	16
Retirements	79	0	79
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	2	0	2
Totals	166	5	171

¹ This total differs from the total of 17 shown in Exhibit D due to the fact that only 13 of the refunds were paid to participants who were considered to be active as of December 31, 2000.

**SUMMAR
FOR FL**

**A
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DECEMBER 31, 2004**

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,629	277	4,906
Increases:			
Participants Added During Year	108	8	116
Participants Returning From Inactive or Disability Status	4	0	4
Totals	4,741	285	5,026
Decreases:			
Terminations During Year	169	8	177
Number of Participants at End of Fiscal Year	4,572	277	4,849
Total Inactive Participants			164
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	12	1	13
Withdrawal (Without Refunds)	20	2	22
Ordinary Disability Benefit	3	1	4
Occupational Disease Disability Benefit	13	1	14
Duty Disability Benefit	15	1	16
Retirements	99	2	101
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	7	0	7
Totals	169	8	177

¹This total differs from the total of 26 shown in Exhibit D due to the fact that only 13 of the refunds were paid to participants who were considered to be active as of December 31, 2003.

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EXHIBIT A
SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS
FOR FISCAL YEAR ENDING DECEMBER 31, 2002

	Male	Female	Total
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Increases:			
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Terminations During Year	138	6	144
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Total Inactive Participants			171
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Withdrawal (Without Refunds)	29	4	33
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Occupational Disease Disability Benefit	22	0	22
Duty Disability Benefit	13	1	14
Retirements	62	0	62
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	5	0	5
Totals	138	6	144

¹This total differs from the total of 19 shown in Exhibit D due to the fact that only 6 of the refunds were paid to participants who were considered to be active as of December 31, 2001.

EXHIBIT A
SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS
FOR FISCAL YEAR ENDING DECEMBER 31, 2003

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,643	265	4,908
Increases:			
Participants Added During Year	113	19	132
Participants Returning From Inactive or Disability Status	13	0	13
Totals	4,769	284	5,053
Decreases:			
Terminations During Year	140	7	147
Number of Participants at End of Fiscal Year	4,629	277	4,906
Total Inactive Participants			160
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	6	2	8
Withdrawal (Without Refunds)	19	2	21
Ordinary Disability Benefit	1	0	1
Occupational Disease Disability Benefit	10	0	10
Duty Disability Benefit	12	1	13
Retirements	80	1	81
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	12	1	13
Totals	140	7	147

¹This total differs from the total of 20 shown in Exhibit D due to the fact that only 8 of the refunds were paid to participants who were considered to be active as of December 31, 2002.

EXHIBIT A
SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS
FOR FISCAL YEAR ENDING DECEMBER 31, 2005

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,572	277	4,849
Increases:			
Participants Added During Year	283	22	305
Participants Returning From Inactive or Disability Status	2	1	3
Totals	4,857	300	5,157
Decreases:			
Terminations During Year	152	13	165
Number of Participants at End of Fiscal Year	4,705	287	4,992
Total Inactive Participants			180
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	9	0	9
Withdrawal (Without Refunds)	21	3	24
Ordinary Disability Benefit	1	1	2
Occupational Disease Disability Benefit	10	3	13
Duty Disability Benefit	20	2	22
Retirements	85	4	89
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	6	0	6
Totals	152	13	165

¹This total differs from the total of 27 shown in Exhibit D due to the fact that only 9 of the refunds were paid to participants who were considered to be active as of December 31, 2004.

EXHIBIT A
SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS
FOR FISCAL YEAR ENDING DECEMBER 31, 2006

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Number of Participants at Beginning of Fiscal Year	4,705	287	4,992
Increases:			
Participants Added During Year	210	19	229
Participants Returning From Inactive or Disability Status	8	2	10
Totals	4,923	308	5,231
Decreases:			
Terminations During Year	152	7	159
Number of Participants at End of Fiscal Year	4,771	301	5,072
Total Inactive Participants			177
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	4	1	5
Withdrawal (Without Refunds)	16	2	18
Ordinary Disability Benefit	2	0	2
Occupational Disease Disability Benefit	25	0	25
Duty Disability Benefit	16	2	18
Retirements	84	2	86
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	5	0	5
Totals	152	7	159

¹This total differs from the total of 21 shown in Exhibit D due to the fact that only 5 of the refunds were paid to participants who were considered to be active as of December 31, 2005.

EXHIBIT B
SUMMARY OF CHANGES IN ANNUITANTS AND BENEFICIARIES
FOR FISCAL YEAR ENDING DECEMBER 31, 2006

	<u>Number at Beginning of Year</u>	<u>Additions During Year</u>	<u>Terminations During Year</u>	<u>Number at End of Year</u>
Service Retirement Annuities	2,442	123	106	2,459
Spouse Annuitants	1,330	84	92	1,322
Children's Annuities	111	14	15	110
Parent Annuities	1	0	0	1
Ordinary Disability Benefit (Non-Occupational)	7	3	4	6
Occupational Disease Disability Benefit	107	29	23	113
Duty Disability Benefit (Occupational)	254	19	16	257
Widows' Compensation Annuities (Service Connected Death)	105	12	3	114
Totals	<u>4,357</u>	<u>284</u>	<u>259</u>	<u>4,382</u>

EXHIBIT A
SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS
FOR FISCAL YEAR ENDING DECEMBER 31, 2007

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,771	301	5,072
Increases:			
Participants Added During Year	20	1	21
Participants Returning From Inactive or Disability Status	8	0	8
Totals	4,799	302	5,101
Decreases:			
Terminations During Year	157	10	167
Number of Participants at End of Fiscal Year	4,642	292	4,934
Total Inactive Participants			171
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	6	0	6
Withdrawal (Without Refunds)	13	3	16
Ordinary Disability Benefit	0	1	1
Occupational Disease Disability Benefit	18	1	19
Duty Disability Benefit	18	1	19
Retirements	99	4	103
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	3	0	3
Totals	157	10	167

¹This total differs from the total of 24 shown in Exhibit D due to the fact that only 6 of the refunds were paid to participants who were considered to be active as of December 31, 2006.

EXHIBIT A
SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS
FOR FISCAL YEAR ENDING DECEMBER 31, 2008

	Male	Female	Total
Number of Participants at Beginning of Fiscal Year	4,642	292	4,934
Increases:			
Participants Added During Year	224	13	237
Participants Returning From Inactive or Disability Status	8	1	9
Totals	4,874	306	5,180
Decreases:			
Terminations During Year	137	10	147
Number of Participants at End of Fiscal Year	4,737	296	5,033
Total Inactive Participants			71
<u>Terminations:</u>			
Withdrawal (With Refunds) ¹	8	1	9
Withdrawal (Without Refunds)	10	1	11
Ordinary Disability Benefit	0	0	0
Occupational Disease Disability Benefit	22	0	22
Duty Disability Benefit	19	1	20
Retirements	70	6	76
Deaths (Occupational)	0	0	0
Deaths (Non-occupational)	8	1	9
Totals	137	10	147

¹This total differs from the total of 41 shown in Exhibit D due to the fact that only 9 of the refunds were paid to participants who were considered to be active as of December 31, 2007.

Send Result Report



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Firmware Version 2GM_2018.E07.005 2008.07.24

Job No.: 1028

Total Time: 0°01'27"

Page: 10

Completed

Document Name: doc11022009155233

**Firemen's Annuity
& Benefit Fund of
Chicago**

Twenty South Clark
Suite 1400
Chicago, Illinois 60603-1899
Phone: (312) 726-5823
Fax: (312) 726-2316

Fax

To: Chief Jackson

From: Ken Kaczmarek

Fax: 312 745 3676

Date: 11/2/09

Time: 2:45

Pages: 10 including cc

No.	Date and Time	Destination	Times	Result	Resolution/ECM
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Retirements	80	1	81
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Totals	140	7	147

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**Annuity
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Chicago**

Twenty South Clark
Suite 1400
Chicago, Illinois 60603-1899
Phone: (312) 726-5823
Fax: (312) 726-2316

Fax

To: Chief Jackson

From: Ken Kaczmarz

Fax: 312 745 3676

Date: 11/2/09

Time: 2:45

Pages: 10 including cover

Re:

CC:

Urgent

For Review

Please Comment

Please Reply

•Comments:

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