## POLICEMEN'S ANNUITY AND BENEFIT FUND OF MILWAUKEE

**Annual Actuarial Statement December 31, 2004** 

Prepared by: Joan Gucciardi, MSPA, MAAA, EA

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## **ASSETS**

## Balance Sheet as of December 31, 2004

Assets				
Investments at Market Value Common Stock Money Market Fund Bonds and Notes Pooled Common and Collective Fund Mortgage Related Securities	\$ 2,143,524 45,554 0 2,364,011			
gaga / totalia a communi	<u></u>	\$ 4,553,089		
Cash in Bank	455	455		
Receivables				
Accrued Interest Tax Levy Additional City Payment	73 768,124 207,649			
Total Assets		 975,846 5,529,390		
Liabilities				
Distributions Payable	0	0		
Net Assets			\$	5,529,390
Unfunded Liability  Deferred Assets (subject to future gains or losses) to be paid by City				1,930,535
Total Liability			•	
Total Net Ledger Assets and Deferred Assets			\$_	7,459,925

#### LIABILITIES

#### Balance Sheet as of December 31, 2004

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Prior Service	\$ 2,779,855	
Age and Service	1,023,029	
Supplemental	496,535	
Escal	6,442	
		\$ 4,305,861

**Widow Annuitants** 

Prior Service	71,896
Age and Service	2,163,764
Supplemental	918,404

3,154,064

**Total Liability** \$ \_\_7,459,925

#### **GASB No. 25 DISCLOSURE**

The Government Accounting Standards Board (GASB) has issued Statement No. 25, Financial Reporting for Defined Benefit Plans and Note Disclosures for Defined Contribution Plans. This statement is effective for periods beginning after June 15, 1996. The purpose of the statement is to make the pension plan information more understandable and more useful. In the past, the measures of a plan's funded status and the employer's required contributions have not always been consistent with accounting concepts. This statement requires more consistency in the measurement of funding status and determining whether amounts measured in accordance with the plan's funding policy are acceptable measures for financial reporting or whether different measures are required.

GASB requires the use of actuarial asset value related to the market value of assets. The actuarial asset value is a 5-year smoothed market value. However, the smoothing only applies to those years in which the current investment policy is in effect. The current investment policy was adopted in 1997.

·	Actuarial	Actuarial Accrued		
Actuarial	Value of Assets	Liability (AAL)	Unfunded AAL	Funded Ratio
Valuation Date	(a)	(b)	(b-a)	(a/b)
12/31/1997	\$13,990,783	\$15,422,204	\$1,431,421	90.72%
12/31/1998	\$12,626,720	\$13,201,668	\$574,948	95.64%
12/31/1999	\$10,928,864	\$11,905,761	\$976,897	91.79%
12/31/2000	\$9,152,300	\$10,609,254	\$1,456,954	86.27%
12/31/2001	\$7,549,179	\$9,504,547	\$1,955,368	79.43%
12/31/2002	\$6,200,086	\$8,287,809	\$2,087,723	74.81%
12/31/2003	\$5,547,884	\$8,783,501	\$3,235,617	63.16%
12/31/2004	\$5,281,524	\$7,459,925	\$2,178,401	70.80%

The pension benefit obligation was computed as part of the actuarial valuation performed as of December 31, 2004. Significant actuarial assumptions used in the 2004 valuation and tax levy include:

Valuation Date December 31, 2004

Expected Rate of Return on Assets 6.00%

Interest Rate 6.00%

Mortality 1994 Group Annuity Reserving Table

Status All participants are retired.

Amortization Method Level Dollar

Amortization Period 5 Years

Asset Valuation Method 5-Year Smoothed Market (phased in)

The plan's funding policy is specified in the Milwaukee City Charter, Chapter 35, as amended by Charter Ordinances, Numbers 356 and 357. The annual requirement consists of an amount sufficient to amortize the present value of benefits to all active and retired employees less the value of actuarial assets in the Fund by a series of level payments over the remainder of the funding period. File numbers 950930 and 970052 provide that the Board shall adopt the assumptions which the actuary uses in the annual valuation and tax levy certification. This contribution will comply with GASB, which requires that the annual required contribution of the employer (ARC) should be actuarially determined and have a provision for amortizing the unfunded liability. In general, GASB allows an amortization period of up to 40 years, but 5 years is appropriate for this Fund. The Tax Levy for 2005 (to be collected in early 2006) would amount to \$517,144 plus budgeted administrative expenses.

#### **ACTUARIAL ASSETS**

#### Value as of December 31, 2004

The Actuarial Asset Value is based on the asset values as set forth in the Auditor's Report dated December 31, 2004, and is computed as the sum of:

1) Invested assets are valued at cost times the average ratio of market to cost for the current year and up to the prior 4 years, but only for the years when the current investment policy was in effect,

Plan Year	Cost	Market	Ratio	
12/31/2000	\$8,480,041	\$8,583,896	1.01224699	
12/31/2001	\$6,355,976	\$6,556,372	1.03152875	
12/31/2002	\$5,101,100	\$4,871,147	0.95492090	
12/31/2003	\$4,015,448	\$4,302,910	1.07158902	
12/31/2004	\$4,125,217	\$4,507,535	1.09267828	
		Total	5.16296394	
	15			
		Average	1.03259279	
			x \$4,125,217	
	Actuarial va	lue invested assets	\$4,259,669	

2) Cash and cash equivalents valued at market value,			46,009
3) And all other	investments valued at mark	cet value.	
	Receivables	\$975,846	
	Payables	0	
	<del>-</del>	***************************************	975,846
Total actuarial assets	s as of December 31, 2004		\$5,281,524

# PARTICIPANT STATISTICS As of December 31, 2004

Active Participants				
	Male	Female	Total	
Number as of December 31, 2003	0	0	0	
Increases	0	0	0	
Decreases	<u>o</u>	<u>o</u>	<u>o</u>	
Number as of December 31, 2004	<u>o</u>	<u>o</u>	<u>o</u>	

#### **Annuitants**

	Annuitants	Widow Annuitants	Total
Number as of December 31, 2003	83	143	226
Increases	0	4	4
Decreases	<u>13</u>	<u>22</u>	<u>35</u>
Number as of December 31, 2004	70	125	195

## PROJECTION OF ANNUAL BENEFIT DISTRIBUTIONS As of December 31, 2004

Year	Estimated Distributions
2005	1,379,200
2006	1,365,400
2007	1,361,200
2008	1,284,800
2009	1,128,700
2010	898,600
2011	551,500
2012	307,500
2013	101,500
2014	307,400

<sup>\*</sup> Assumes annuity purchase for remaining annuitants on January 1, 2014.

## POLICEMEN'S ANNUITY AND BENEFIT FUND OF MILWAUKEE

**SUPPLEMENTAL Annual Actuarial Statement December 31, 2004** 

Prepared by: Joan Gucciardi, MSPA, MAAA, EA

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## **ASSETS**

## Balance Sheet as of December 31, 2004

Assets			
Investments at Market Value Common Stock Money Market Fund Bonds and Notes Pooled Common and Collective Fund Mortgage Related Securities	\$ 0 0 0 1,400,772 0	\$ 1,400,772	
Cash in Bank	0	0	
Receivables	400,000	400,002	
Liabilities Distributions Payable	0	0	
Net Assets			\$1,800,774

## LIABILITIES

## Balance Sheet as of December 31, 2004

\$94 Monthly Supplemental Payment (effective D	ecember	1, 2001)	
Annuitants Widow Annuitants	\$ —	462,673 747,205	\$ 1,209,878
\$200 Additional Monthly Supplemental Payment	t (effectiv	e February	1, 2003)
Annuitants Widow Annuitants		0	0
\$33 Additional Monthly Supplemental Payment (	(assumed	effective	January 1, 2004)
Annuitants Widow Annuitants		162,427 262,324	424,751
Additional Single Sum Payment (December 31, 2	2005)		
Annuitants Widow Annuitants		257,143 142,857	400,000
Total Liability			\$ 2.034,629

#### **GASB No. 25 DISCLOSURE**

The Government Accounting Standards Board (GASB) has issued Statement No. 25, Financial Reporting for Defined Benefit Plans and Note Disclosures for Defined Contribution Plans. This statement is effective for periods beginning after June 15, 1996. The purpose of the statement is to make the pension plan information more understandable and more useful. In the past, the measures of a plan's funded status and the employer's required contributions have not always been consistent with accounting concepts. This statement requires more consistency in the measurement of funding status and determining whether amounts measured in accordance with the plan's funding policy are acceptable measures for financial reporting or whether different measures are required.

GASB requires the use of actuarial asset value related to the market value of assets. The actuarial asset value is market value of assets.

Actuarial Valuation Date		Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (b-a)	Funded Ratio (a/b)
12/31/2001		\$1,521,075	\$1,511,370	-\$9,705	100.64%
12/31/2002	а	\$1,312,650	\$1,326,962	\$14,312	98.92%
	b	\$500,000	\$500,000	\$0	100.00%
12/31/2003	а	\$1,150,746	\$1,425,879	\$275,133	80.70%
	ь	\$0	\$0	\$0	100.00%
	С	\$500,000	\$500,592	\$592	99.88%
12/31/2004	а	\$1,036,789	\$1,209,878	\$173,089	85.69%
	b	\$0	\$0	\$0	100.00%
	С	\$363,985	\$424,751	\$60,766	85.69%
	d	\$400,000	\$400,000	\$0	100.00%

The pension benefit obligation was computed as part of the actuarial valuation performed as of December 31, 2004. Significant actuarial assumptions used in the 2004 valuation.

Valuation Date December 31, 2004

Expected Rate of Return on Assets 6.00%

Interest Rate 6.00%

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Mortality 1994 Group Annuity Reserving Table

Status All participants are retired.

Asset Valuation Method Market Value

- \$94 Monthly Supplemental Payment
- b \$200 Additional Monthly Supplemental Payment
- \$33 Additional Monthly Supplemental Payment
- d Additional Simgle Sum Payment

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#### **ACTUARIAL ASSETS**

## Value as of December 31, 2004

The Actuarial Asset Value is based on the asset values as set forth in the Auditor's Report dated December 31, 2004, and is the Market Value of Assets as reported in Exhibit A.

# PARTICIPANT STATISTICS As of December 31, 2004

Active Participants	Male	Female	Total
		•	
Number as of December 31, 2003	0	0	0
Increases	0	0	0
Decreases	<u>o</u>	<u>0</u>	<u>0</u>
Number as of December 31, 2004	<u>o</u>	0	0

#### **Annuitants**

iiiuitaiito		Widow	
	Annuitants	Annuitants	Total
Number as of December 31, 2003	83	143	226
Increases	0	4	4
Decreases	<u>13</u>	22	<u>35</u>
Number as of December 31, 2004	70	125	195

Exhibit F

# PROJECTION OF ANNUAL BENEFIT DISTRIBUTIONS As of December 31, 2004

Year	(December 1, 2001) \$94 Supplemental Distributions	(January 1, 2004) \$33 Supplemental Distributions
2005	209,100	73,400
2006	206,400	72,500
2007	205,600	72,100
2008	192,700	67,700
2009	168,200	59,100
2010	135,000	47,400
2011	100,700	35,300
2012	76,000	26,700
2013	50,700	17,800
2014	28,800	10,100