

WAYNE COUNTY EMPLOYEES' RETIREMENT SYSTEM
SIXTY-THIRD ANNUAL ACTUARIAL VALUATION REPORT
SEPTEMBER 30, 2006

CONTENTS

<i>Section</i>	<i>Page</i>	
	1	Introduction
A		VALUATION RESULTS AND COMMENTS
	1	Funding Objectives
	2	Computed Contributions
	3-4	Historical Schedules
	5	Comments
	6	Actuarial Balance Sheet
	7	Financing Benefit Promises
B		SUMMARY OF BENEFIT PROVISIONS AND VALUATION DATA
	1-7	Summary of Benefit Provisions Evaluated
	8-11	Asset Information
	12-15	Retired Life Data
	16	Inactive Vested Members
	17-25	Active Member Data
C		METHODS AND ASSUMPTIONS
	1-5	Financing Principles
	6	Actuarial Cost Methods
	7-12	Actuarial Assumptions
	13	Miscellaneous and Technical Assumptions
D		FINANCIAL REPORTING
	1-6	Certain Disclosures Required by GASB Statement No. 25

October 10, 2007

The Retirement Commission
Wayne County Employees' Retirement System
Detroit, Michigan

Dear Commission Members:

The results of the **Sixty-Third Annual Actuarial Valuation** of the assets, actuarial present values and contribution rates needed to fund benefits provided by the Wayne County Employees' Retirement System are presented in this report. The purpose of this valuation was to measure the System's funding progress and to recommend a contribution rate for the fiscal year beginning October 1, 2007.

The date of the valuation was September 30, 2006.

Valuation results and comments are presented in Section A.

The valuation was based upon information, furnished by your Executive Secretary and his staff concerning Retirement System benefits, financial assets and transactions, individual members, terminated members, retired members and beneficiaries. Data was checked for year-to-year consistency, but was not otherwise audited. This information is summarized in Section B.

To the best of our knowledge, this report is complete and accurate and was made in accordance with standards of practice prescribed by the Actuarial Standards Board and in compliance with the Retirement System Ordinance. The actuarial assumptions used for the valuation were adopted by the Retirement Commission pursuant to the 5-year experience study for the period October 1, 1999 through September 30, 2004, and produce results which, in the aggregate, appear to be reasonable.

Respectfully submitted,



Norman L. Jones

Judith A. Kermans

NLJ/JAK/clb

SECTION A

VALUATION RESULTS AND COMMENTS

FUNDING OBJECTIVE

The funding objective for the Retirement System is to establish and receive percent of payroll contributions which, when invested at the assumed rate of return, will accumulate assets over each member's working years that will be sufficient to pay expected retirement benefits.

CONTRIBUTION RATES

The Retirement System is supported by member contributions, County contributions and investment income on Retirement System assets. Members contribute percentages of their pay (by Ordinance and/or collective bargaining agreement) and the County contributes the actuarially determined remainder needed to meet the funding objective.

Contributions are determined by the actuarial valuation and are sufficient to:

- (1) cover the actuarial costs allocated to the current year by the actuarial cost method (the normal cost); and
- (2) finance over a period of future years the actuarial costs not covered by present assets and anticipated future normal costs (unfunded actuarial accrued liability).

Contribution requirements for the fiscal year beginning October 1, 2007 are shown on page A-2.

**CONTRIBUTIONS TO FINANCE DEFINED BENEFIT PLANS
OF THE RETIREMENT SYSTEM
FOR THE FISCAL YEAR BEGINNING OCTOBER 1**

Defined Benefit Plans - Contributions for	2007	2006
Normal Cost		
Service allowances	6.33 %	8.73 %
Disability allowances	1.05 %	0.84 %
Survivor allowances	0.40 %	0.41 %
Termination benefits		
Deferred service allowances	0.48 %	0.24 %
Refunds of member contributions	0.11 %	0.00 %
Total Normal Cost	8.37 %	10.22 %
Less Portion Paid by Members*	0.77 %	0.90 %
County Defined Benefit Normal Cost	7.60 %	9.32 %
Unfunded Actuarial Accrued Liability#	8.22 %	6.71 %
Total Computed Employer Rate	15.82 %	16.03 %

* Weighted average of the various contribution rates.

Amortized as a level percent of pay over an open period of 20 years.

Historical contribution rates for prior fiscal years are shown on page A-3. The total computed employer contribution rates shown on this page are meant to be applied to Plan 1, 2, 3 and 5 payroll to determine dollar contributions from the County into the Retirement System.

For the September 30, 2006 valuation, the Retirement Commission adopted the Entry Age Normal Cost (EANC) method (versus Projected Unit Credit (PUC) method in previous years). In addition, the Retirement Commission elected to increase the threshold return used to calculate the amount available for allocation to the Inflation Equity Fund from 8% to 9%. The results shown above reflect both changes.

**HISTORICAL SCHEDULE OF NORMAL COST RATES
AND UNFUNDED ACTUARIAL ACCRUED LIABILITIES
CONTRIBUTION AMOUNTS FOR DEFINED BENEFIT PLANS**

Fiscal Year Beginning	Valuation Date September 30+	Normal Cost Rate	UAAL Contribution Rate	Total Contribution Rate
1991	1990	11.55 %	N/A	N/A
1992	1991#@	11.33 %	N/A	N/A
1993	1992*	12.45 %	N/A	N/A
1994	1993*	13.11 %	N/A	N/A
1995	1994	13.06 %	N/A	N/A
1996	1995*	14.62 %	N/A	N/A
1997	1996*@	12.36 %	N/A	N/A
1998	1997*	12.52 %	N/A	N/A
1999	1998#	13.18 %	N/A	N/A
2000	1999	13.14 %	(8.35)%	4.79 %
2001	2000	13.14 %	(13.14)%	0.00 %
2002	2001*	14.49 %	(11.35)%	3.14 %
2003	2002	12.39 %	(4.33)%	8.06 %
2004	2003	11.10 %	1.20 %	12.30 %
2005	2004#	10.08 %	3.72 %	13.80 %
2006	2005	9.32 %	6.71 %	16.03 %
2007	2006a	9.18 %	7.42 %	16.60 %
2007	2006b	9.18 %	6.80 %	15.98 %
2007	2006c	7.60 %	8.22 %	15.82 %

* Benefit changes are reflected in this valuation.

After assumption changes.

@ Adjustment made to funding value of assets.

+ Valuations before 1998 were based on a fiscal year ending November 30.

The cost method and the threshold assumption used for the allocation to the Inflation Equity Fund (IEF) were changed for the September 30, 2006 valuation. The results above are displayed as follows:

- a) Project Unit Credit (PUC), 8% threshold return for the IEF.
- b) PUC, 9% threshold return for the IEF.
- c) Entry Age Normal Cost (EANC), 9% threshold return for the IEF.

Note: Hybrid Plan 5 exists September 30, 2003 and later.

FUNDING PROGRESS INDICATORS

The funding progress and status of the defined benefit plans is measured by the following indicators:

- **The ratio of the funding value of assets to accrued liabilities.** The ratio is expected to hold steady or gradually move toward 100% in the absence of benefit improvements, assumption changes or valuation method changes.
- **The ratio of the unfunded actuarial accrued liability to member payroll.** In a soundly financed retirement system, the amount of the unfunded actuarial accrued liabilities will be controlled and prevented from increasing in the absence of benefit improvements. The ratio is a relative indicator of the condition in an inflationary environment.

Valuation Date September 30##	Accrued Liability	Funding Value of Assets(1)	Funded Ratio	Member Payroll +	Unfunded Actuarial Accrued Liability	
					Dollars	% of Payroll
(\$ in thousands)						
1996@*	\$ 861,655	\$ 861,655	100%	\$ 208,569	\$ 0	-
1997*	870,052	877,926	101%	224,075	(7,874)	-
1998#	906,620	933,000	103%	230,989	(26,380)	-
1999	915,339	965,798	106%	256,379	(50,458)	-
2000	947,557	1,028,626	109%	275,627	(81,069)	-
2001*	979,176	1,041,645	106%	294,128	(62,469)	-
2002	1,010,744	1,043,282	103%	308,962	(32,538)	-
2003	1,007,734	996,621	99%	289,250	11,113	4 %
2004#	959,697	910,056	94%	343,330	49,642	14 %
2005	969,333	891,427	92%	298,581	77,906	26 %
2006a	982,008	886,603	90%	319,611	95,405	30 %
2006b	982,008	894,499	91%	319,611	87,509	27 %
2006c	1,000,231	894,499	89%	319,611	105,732	33 %

* Benefit changes are reflected in this valuation.

After changes in assumptions.

+ Includes defined contribution Plan 4 payroll.

(1) Reserve for inflation equity not included in this schedule.

@ After one time adjustment of funding value of assets.

Valuations before 1998 were based on a fiscal year ending November 30.

The cost method and the threshold assumption used for the allocation to the Inflation Equity Fund (IEF) were changed for the September 30, 2006 valuation. The results above are displayed as follows:

a) Project Unit Credit (PUC), 8% threshold return for the IEF.

b) PUC, 9% threshold return for the IEF.

c) Entry Age Normal Cost (EANC), 9% threshold return for the IEF.

Note: Hybrid Plan 5 exists September 30, 2003 and later.

COMMENTS ON THE ACTUARIAL VALUATION

- The Market Value rate of return was 9.2%, which exceeds the assumed rate of 8.0%. Under the asset valuation method, gains and losses are spread over a 4-year period. The net result of this year's Market Value gain, and carryover gains and losses from prior years, is a net gain of \$21.2 million. As of September 30, 2006, the Market Value of assets exceeds the Funding Value by \$39.1 million.
- Computed actuarial accrued liabilities exceed the Funding Value of assets by \$105.7 million. Unfunded actuarial accrued liabilities are currently being amortized over a 20-year period in accordance with Retirement Commission policy. The 20-year amortization period (changed from 15 years) was first adopted for the September 30, 2004 valuation.
- This year the Retirement Commission elected to change the threshold return for the annual development of the Inflation Equity Fund (IEF) from 8% to 9% (see page B-10). The Retirement Commission also elected to change the cost method from Projected Unit Credit (PUC) to Entry Age Normal Cost (EANC). The net effect of these changes resulted in a decrease in the computed contribution rate of 0.78% of payroll, based on a 20-year amortization of unfunded accrued liabilities.
- This year, significant data changes continued to be incorporated as Retirement System staff continues to refine the data collection processes. In particular, when possible, pensionable wages were used for valuation purposes.
- It is our understanding that recent contract negotiations will provide benefit changes for certain groups. This will act to increase the contribution rate beginning in the September 30, 2007 valuation.
- The Wayne County Employees' Retirement System is 89% funded (net of the Inflation Equity Fund).

ACTUARIAL BALANCE SHEET - SEPTEMBER 30, 2006

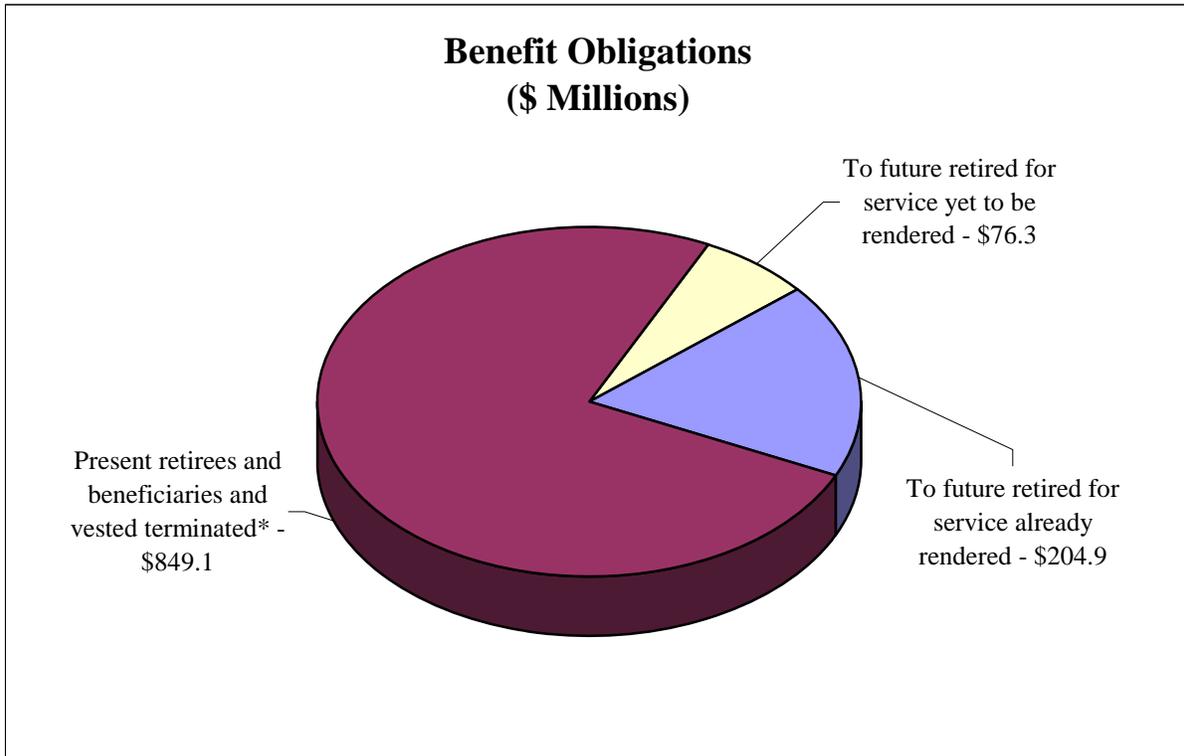
Present Resources and Expected Future Resources

A. Valuation assets	
1. Net assets from system financial statements (market value)	\$ 987,415,361
2. Valuation adjustment	(39,101,716)
3. Valuation assets	948,313,645
B. Actuarial present value of expected future employer contributions	
1. For normal costs	73,392,099
2. For unfunded actuarial accrued liabilities	105,731,513
3. Total	179,123,612
C. Actuarial present value of expected future member contributions	2,906,124
D. Total Actuarial Present Value of Present and Expected Future Resources	\$1,130,343,381

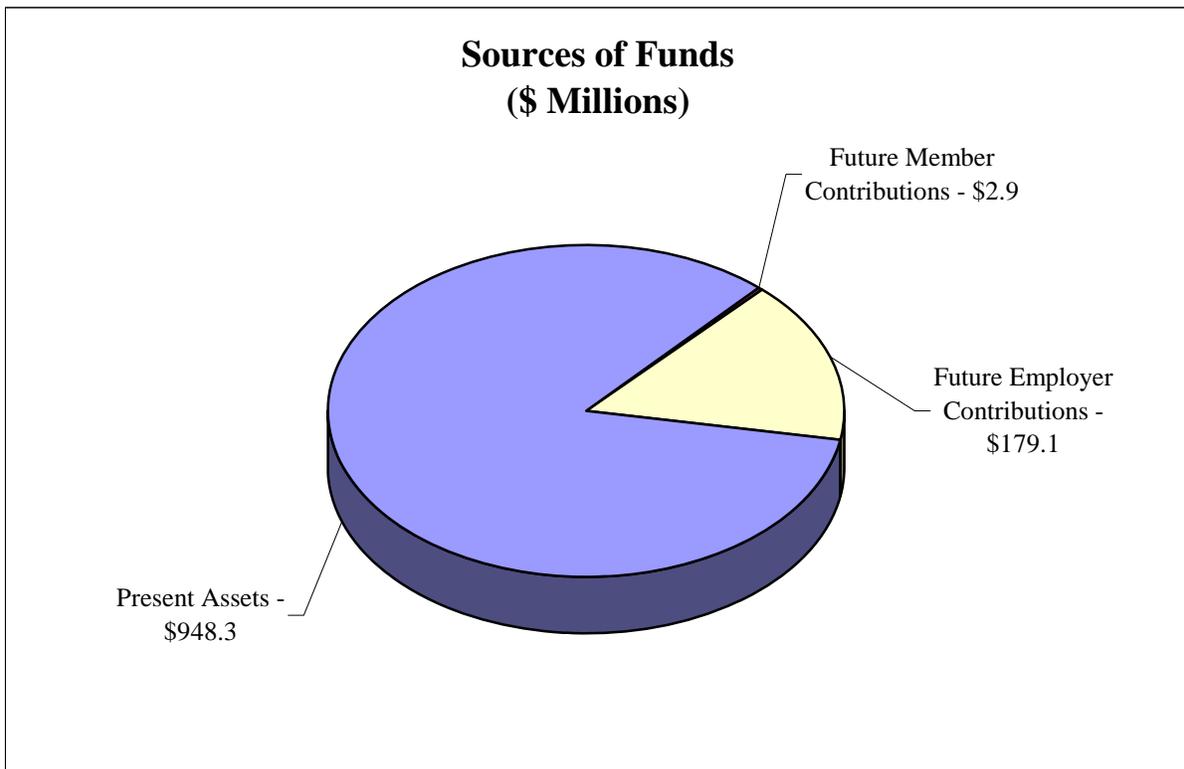
Actuarial Present Value of Expected Future Benefit Payments and Reserves

A. To retired members and beneficiaries	\$ 789,586,821
B. To vested terminated members	5,725,003
C. To present active members	
1. Allocated to service rendered prior to valuation date	204,918,879
2. Allocated to service likely to be rendered after valuation date	76,298,222
3. Total	281,217,101
D. Total Actuarial Present Value of Expected Future Benefit Payments	1,076,528,925
E. Reserve for Inflation Equity	53,814,456
F. Total Actuarial Present Value of Expected Future Benefit Payments and Reserves	\$1,130,343,381

**FINANCING \$1,130.3 MILLION OF BENEFIT PROMISES
SEPTEMBER 30, 2006**



* Includes Inflation Equity Fund



SECTION B

SUMMARY OF BENEFIT PROVISIONS AND VALUATION DATA

BRIEF SUMMARY OF BENEFIT PROVISIONS
DEFINED BENEFIT PLAN 1
(SEPTEMBER 30, 2006)

Availability

Defined Benefit Plan 1 was closed to new hires on August 15, 1983
(or on the date in a negotiated agreement).

Normal Retirement (no reduction factor for age):

Eligibility - Sheriff: 25 years of service or age 60 with 5 years of service.
Others: Age 50 with 25 years of service, age 60 with 5 years of service or any age with 30
years of service.

Pension Amount – Total service times 2.65% of average final compensation.

Maximum pension is 75% of AFC (less worker's compensation payments). Minimum
monthly pension is \$5 times years of service.

Average Final Compensation (AFC) - Monthly average of covered compensations for best
4 years of credited service. Some lump sums, overtime & premium pay are included.

Vested Termination (deferred retirement):

Eligibility - 8 years of service. Pension begins at age 60.

Pension Amount - Computed as normal retirement but based upon service and AFC at time of
termination.

Duty Disability Retirement:

Eligibility - No age or service requirements.

Pension Amount - Computed as normal retirement with additional service credit granted from
date of retirement to age 60. Minimum pension is \$4,800 annually. Maximum pension is the
lesser of 75% of AFC, and 100% of AFC less outside earnings and social security disability
benefits. Worker's compensation payments offset the maximum.

Non-Duty Disability Retirement:

Eligibility - 10 years of service.

Pension Amount - Computed as normal retirement but based on service and AFC at time of
termination.

BRIEF SUMMARY OF BENEFIT PROVISIONS
DEFINED BENEFIT PLAN 1
(SEPTEMBER 30, 2006)

Duty Death Before Retirement:

Eligibility - No age or service requirements.

Pension Amount - Pension to the spouse is computed as a normal retirement but actuarially reduced in accordance with a 100% joint and survivor election. Additional service credit is granted from date of death to date the deceased member would have attained 60 years of age. If there is no eligible spouse, unmarried children under age 18 receive equal shares of 50% of normal retirement pension. Spouse's pension shall not be less than \$4,800. Worker's compensation payments offset the maximum.

Non-Duty Death Before Retirement:

Eligibility - 10 years of service.

Pension Amount - Pension to the spouse is computed as a normal retirement but actuarially reduced in accordance with a 100% joint and survivor election. If there is no eligible spouse, unmarried children under age 18 receive equal shares of 50% of normal retirement pension.

Post-Retirement Cost-of-Living Adjustment:

Eligible for distributions from Reserve for Inflation Equity.

Member Contributions:

Sheriff Command Officers and Deputies: 5.00% of annual compensation.

Others:

Credited Service	Contribution Rate*
0 yrs. thru 8 yrs.	6.00% or 6.58% of compensation
9 yrs. thru 12 yrs.	4.00% or 4.58% of compensation
13 yrs. thru 16 yrs.	3.00% or 3.58% of compensation
17 yrs. or more	2.00% or 2.58% of compensation

* Contribution rate is determined by coverage group from collective bargaining agreement.

BRIEF SUMMARY OF BENEFIT PROVISIONS
DEFINED BENEFIT PLAN 2
(SEPTEMBER 30, 2006)

Availability - Defined Benefit Plan 2 was available to persons hired after August 15, 1983 and to DBP 1 and DBP 3 members who elect to be covered by DBP 2. **Eligibility to enter this Plan ceased as of October 1, 2001.**

Normal Retirement (no reduction factor for age):

Eligibility - Age 55 with 25 years of service or age 60 with 20 years of service; or, age 65 with 8 years of service. Sheriffs may retire with 25 years of service regardless of age.

Pension Amount - Average final compensation multiplied by the sum of a) 1% of credited service up to 20 years; and, b) 1.25% of credited service over 20 years. Maximum County financed portion is 75% of AFC.

Average Final Compensation (AFC) - Monthly average of covered compensation for the best 5 years of credited service. Covered compensation includes overtime, premium and holiday pay, but not lump sums.

Vested Termination (deferred retirement):

Eligibility - 8 years of service. Pension begins at age 65.

Pension Amount - Computed as normal retirement based on service and AFC at time of termination.

Duty Disability Retirement:

Eligibility - No age or service requirements.

Pension Amount - Computed as normal retirement with additional service credit granted from date of retirement to age 60. Maximum pension is the lesser of 75% of AFC, and 100% of AFC less outside earnings and social security disability benefits. Worker's compensation payments offset the maximum. Minimum pension for Sheriff Command Officers and Probate GAA is 75% of AFC.

Non-Duty Disability Retirement:

Eligibility - 10 years of service.

Pension Amount - Computed as normal retirement but based on service and AFC at time of termination.

Death Before Retirement:

Eligibility - 10 years of service; or age 65 and 8 years of service (any amount of service if Duty related).

Pension Amount - Pension to the spouse is computed as a normal retirement but actuarially reduced in accordance with a 100% joint and survivor election. If there is no eligible spouse, unmarried children under 18 receive equal shares of 50% of normal retirement pension.

Post-Retirement Cost-of-Living Adjustment:

Eligible for distributions from the Reserve for Inflation Equity.

Member Contributions:

None.

BRIEF SUMMARY OF BENEFIT PROVISIONS
DEFINED BENEFIT PLAN 3
(SEPTEMBER 30, 2006)

Availability - Defined Benefit Plan 3 was available to persons last hired prior to August 15, 1983; and, to other persons if offered by collective bargaining agreement. **Eligibility to enter this Plan ceased as of October 1, 2001.**

Normal Retirement (no reduction factor for age):

Eligibility - Age 55 with 25 years of service; or age 60 with 20 years of service; or age 65 with 5 years of service. Sheriff Command may retire with 25 years of service regardless of age.

Pension Amount - Average final compensation multiplied by the sum of a) 1.5% of credited service up to 20 years; and b) 2.0% of credited service between 20 and 25 years; and, c) 2.5% of credited service over 25 years. Maximum County financed portion is 75% of AFC.

Average Final Compensation (AFC) - Monthly average of covered compensation for the last 5 years of credited service. Covered compensation includes overtime, premium and holiday pay, up to 320 hours of lump sum payments for unused sick leave and up to 120 hours of lump sum payments for unused vacation time.

Vested Termination (deferred retirement):

Eligibility - 8 years of service. Pension begins at age 65.

Pension Amount - Computed as normal retirement but based upon service and AFC at time of termination.

Duty Disability Retirement:

Sheriff Command Officers and Probate GAA receive 75% of AFC.

Others: covered outside of Retirement System.

Non-Duty Disability Retirement:

Covered outside of Retirement System.

Non-Duty Death Before Retirement:

Eligibility - 10 years of service; or, age 65 with 5 years of service (any amount of service if Duty related).

Pension Amount - Pension to the spouse is computed as a normal retirement but actuarially reduced in accordance with a 100% joint and survivor election. If there is no eligible spouse, unmarried children under age 18 receive equal shares of 50% of normal retirement pension.

Post-Retirement Cost-of-Living Adjustment:

Eligible for distributions from the Reserve for Inflation Equity.

Member Contributions:

3% of covered compensation.

BRIEF SUMMARY OF BENEFIT PROVISIONS
DEFINED CONTRIBUTION PLAN 4
(SEPTEMBER 30, 2006)

Defined Contribution Plan 4 is not included in this valuation with the exception of the following provision covered under the Defined Benefit Plans:

Duty Disability Retirement:

Sheriff Deputy Officers receive 75% of AFC.

Eligibility – No age or service requirements.

The Duty Disability benefit is partially funded by the member's account balance and may be offset by worker's compensation benefits, if any.

Members in Plan 4 are eligible to roll account balances into Defined Benefit Plan 5 to receive a defined benefit. This benefit would be based on the amount of service that can be purchased by the member's account balance.

BRIEF SUMMARY OF BENEFIT PROVISIONS
HYBRID PLAN 5
(SEPTEMBER 30, 2006)

Availability - Hybrid Plan 5 is obligatory for persons hired after October 1, 2001. Exempt employees may choose between Plan 5 and DC Plan 4. Members may transfer from Plan 4 into this Plan.

DEFINED BENEFIT PROVISIONS

Normal Retirement (no reduction for age):

Eligibility - Age 55 with 25 years of service; or age 60 with 20 years of service; or age 65 with 8 years of service. Sheriffs may retire with 30 years of service regardless of age.

Pension Amount - Average final compensation multiplied by the sum of a) 1.25% of credited service up to 20 years; and b) 1.5% of credited service over 20 years. Maximum pension is 75% of AFC (less worker's compensation payments).

Average Final Compensation (AFC) - Monthly average of covered compensation for the last 5 years of credited service. Covered compensation includes overtime and premium pay.

Vested Termination (deferred retirement):

Eligibility - 8 years of service. Pension begins at age 65.

Pension Amount - Computed as normal retirement but based upon service and AFC at time of termination.

Duty Disability Retirement:

Eligibility - No age or service requirements.

Pension Amount - Computed as normal retirement with additional service credit granted from date of retirement to age 60. Worker's compensation payments and Federal Social Security benefit payments offset the defined benefit portion of the pension.

Non-Duty Disability Retirement:

Eligibility - 10 years of service.

Pension Amount - Computed as normal retirement but based on service and AFC at time of termination.

Duty Death Before Retirement:

Eligibility - No age or service requirements.

BRIEF SUMMARY OF BENEFIT PROVISIONS
HYBRID PLAN 5
(SEPTEMBER 30, 2006)

Pension Amount - Pension to the spouse is computed as a normal retirement but actuarially reduced in accordance with a 100% joint and survivor election. Additional service credit is granted from date of death to date the deceased member would have attained 60 years of age. If there is no eligible spouse, unmarried children under age 18 receive equal shares of 50% of normal retirement pension. Worker's compensation payments offset the maximum.

Non-Duty Death Before Retirement:

Eligibility - 10 years of service.

Pension Amount - Pension to the spouse is computed as a normal retirement but actuarially reduced in accordance with a 100% joint and survivor election. If there is no eligible spouse, unmarried children under age 18 receive equal shares of 50% of normal retirement pension.

Post-Retirement Cost-of-Living Adjustment:

Eligible for distributions from the Reserve for Inflation Equity.

Member Contributions:

None.

DEFINED CONTRIBUTION PROVISIONS

Contributions:

6% of base compensation (3% member plus 3% employer). Contributions are invested by the members based on investment options established by the Retirement Commission. Contribution balances are credited with actual net market rates of return of the selected investments.

Vesting:

Member portion – 100% immediately.

Employer portion – 50% after 1 year of total service.
75% after 2 years of total service.
100% after 3 years of total service.

Distribution Options:

Terminating members may choose between:

- Lump sum distribution of vested account balance, or
- Rollover of vested account balance to a qualified plan, or
- Annuitized vested account balance if the member is also eligible for a defined benefit pension.

**DEFINED BENEFIT PLANS RESERVE BALANCES
(INCLUDING ADJUSTING ENTRIES)**

Accounts	Reserve Balances September 30, 2006
Reserve for Accum. Member Contributions	\$ 55,421,499
Reserve for DB Employer Contributions	67,537,963
Reserve for Pension Payments	789,586,821
Reserve for Inflation Equity	53,814,456
Reserve for Undist. Investment Income & Exp.	21,054,622
Total Reserve Balances (Market Value)	\$987,415,361

DEVELOPMENT OF FUNDING VALUE OF RETIREMENT SYSTEM ASSETS

Year Ended September 30:	2004	2005	2006	2007	2008	2009
A. Funding Value Beginning of Year	\$1,075,427,476	\$975,542,640	\$945,747,768			
B. Market Value End of Year	956,006,814	991,448,564	987,415,361			
C. Market Value Beginning of Year	973,714,944	956,006,814	991,448,564			
D. Non-Investment Net Cash Flow	(98,056,791)	(96,018,660)	(90,619,780)			
E. Investment Income						
E1. Market Total: B - C - D	80,348,661	131,460,410	86,586,577			
E2. Amount for Immediate Recognition	82,111,926	74,202,665	72,035,030			
E3. Amount for Phased-In Recognition: E1-E2	(1,763,265)	57,257,745	14,551,547			
F. Phased-In Recognition of Investment Income						
F1. Current Year: 0.25 x E3	(440,816)	14,314,436	3,637,887			
F2. First Prior Years	3,639,120	(440,816)	14,314,436	\$3,637,887		
F3. Second Prior Years	(25,491,617)	3,639,120	(440,816)	14,314,436	\$3,637,887	
F4. Third Prior Years	(61,646,658)	(25,491,617)	3,639,120	(440,816)	14,314,436	\$3,637,886
F5. Total Recognized Investment Gain	(83,939,971)	(7,978,877)	21,150,627	17,511,507	17,952,323	3,637,886
G. Funding Value End of Year: A + D + E2 + F5	\$975,542,640	\$ 945,747,768	\$948,313,645			
H. Difference between Market & Funding Value	(19,535,826)	45,700,796	39,101,716	21,590,209	3,637,886	0
I. Recognized Rate of Return	(0.2)%	7.1%	10.3%			
J. Market Value Rate of Return	8.7%	14.5%	9.2%			
K. Ratio of Funding Value to Market Value	102.0%	95.4%	96.0%			

The Funding Value of Assets recognizes assumed investment income (line E2) fully each year. Differences between actual and assumed investment income (line E3) are phased in over a closed 4-year period. During periods when investment performance exceeds the assumed rate, Funding Value of Assets will tend to be less than Market Value. During periods when investment performance is less than the assumed rate, Funding Value of Assets will tend to be greater than Market Value. The Funding Value of Assets is *unbiased* with respect to Market Value. At any time it may be either greater or less than Market Value. If assumed rates are exactly realized for 3 consecutive years, it will become equal to Market Value.

DERIVATION OF RESERVE FOR INFLATION EQUITY FUND (IEF)

	September 30, 2006
Rate of investment return	
(1) Actual return on funding value of assets	10.35 %
(2) Threshold return	9.00 %
(3) Excess, if any, of (1) over (2)	1.35 %
Actuarial present value of pensions	\$789,586,821
Dollars available for allocation to IEF	10,659,422
Reserve balance - start of year	54,321,016
Disbursements during year	11,165,981
Transfer for minimum pensions	0
Current year addition	10,659,422
Reserve balance - end of year	\$ 53,814,457
Reserve for year end transfer	N/A

**APPLICATION OF THE FUNDING VALUE
OF DEFINED BENEFIT PLAN ASSETS
IN FINANCING ACTUARIAL ACCRUED LIABILITIES**

Reserve for	Applied To		
	Active & Inactive Members	Retired Members and Beneficiaries	Totals
Accumulated Member Contributions	\$ 55,421,499		\$ 55,421,499
DB Employer Contributions	49,490,869		49,490,869
Pension Payments		\$789,586,821	789,586,821
Total Assets Applied			894,499,189
Inflation Equity Reserve			53,814,456
Funding Value of Assets*			\$948,313,645

* Development of the funding value of assets is shown on page B-9.

RETIRED MEMBERS AND BENEFICIARIES ADDED AND REMOVED

Year Ended Sept. 30	Added		Removed		Net Increase		End of Year	
	No.	Annual Pensions	No.	Annual@ Pensions	No.	Annual Pensions	No.	Annual Pensions
1970	298	\$1,887,508	148	\$ 307,186	150	\$1,580,322	2,454	\$ 7,067,753
1975	323	2,300,782	129	575,157	194	1,725,625	3,277	14,532,239
1980	322	3,629,866	140	1,009,861	182	2,620,005	4,359	28,307,255
1985	329	4,609,633	204	2,002,018	125	2,607,615	5,861	53,297,557
1990	176	3,004,814	172	1,986,571	4	1,018,243	6,149	59,607,315
1991	169	2,531,422	154	1,868,781	15	662,641	6,164	60,269,956
1992	195	3,876,810	148	1,831,565	47	2,045,245	6,211	62,315,201
1993	172	3,914,864	173	1,885,010	(1)	2,029,854	6,210	64,345,055
1994	191	3,626,150	163	1,844,072	28	1,782,078	6,238	66,127,133
1995	150	3,481,882	171	2,223,393	(21)	1,258,489	6,217	67,385,622
1996	212	6,445,919	210	3,101,236	2	3,344,683	6,219	70,730,305
1997	171	4,593,132	188	1,328,817	(17)	3,264,315	6,202	73,994,620
1998	112	3,428,743	174	1,823,043	(62)	1,605,700	6,140	75,600,320
1999	133	3,496,500	221	2,143,122	(88)	1,353,378	6,052	76,953,698
2000	136	4,414,263	204	2,481,571	(68)	1,932,692	5,984	78,886,390
2001	131	4,993,401	221	2,733,398	(90)	2,260,003	5,894	81,146,393
2002	125	4,462,475	186	2,247,194	(61)	2,215,281	5,833	83,361,674
2003	177	7,530,715	201	2,267,018	(24)	5,263,697	5,809	88,625,371
2004	96	3,645,959	309	3,569,564	(213)	76,395	5,596	88,701,766
2005	264	10,505,300	225	2,768,648	39	7,736,652	5,635	96,438,418
2006	136	4,004,469	274	2,922,793	(138)	1,081,676	5,497	97,520,094

@ Includes benefit adjustments.

RETIRED MEMBERS AND BENEFICIARIES COMPARATIVE SCHEDULE

Valuation Date Sept. 30	Pensions Being Paid						Active Member Ratio(2)
	No.	Amount*	% of Member Payroll#	Annual % Increase(1)		Average Pension	
				No.	Amount		
1950	477	\$ 450	2.0 %	37.9 %	44.4 %	\$ 943	11.9
1955	931	1,166	3.6 %	14.3 %	21.0 %	1,252	6.9
1960	1,487	2,454	5.9 %	9.3 %	14.7 %	1,565	4.7
1965	1,949	4,025	7.8 %	7.4 %	14.2 %	2,065	3.8
1970	2,454	7,068	8.7 %	6.5 %	11.9 %	2,880	3.3
1975	3,277	14,532	12.5 %	6.3 %	15.5 %	4,435	2.4
1980	4,359	28,307	15.9 %	5.9 %	14.3 %	6,494	1.6
1985	5,861	53,298	41.0 %	6.1 %	13.5 %	9,094	0.8
1990	6,149	59,607	37.9 %	1.0 %	2.3 %	9,694	0.8
1995	6,217	67,386	85.0 %	0.2 %	2.5 %	10,839	0.9
1996	6,219	70,730	94.9 %	0.0 %	5.0 %	11,373	0.9
1997	6,202	73,995	103.2 %	(0.3)%	4.6 %	11,931	0.9
1998	6,140	75,600	112.1 %	(1.0)%	2.2 %	12,313	0.9
1999	6,052	76,954	113.3 %	(1.4)%	1.8 %	12,715	1.0
2000	5,984	78,886	118.0 %	(1.1)%	2.5 %	13,183	1.0
2001	5,894	81,146	128.7 %	(1.5)%	2.9 %	13,768	1.0
2002	5,833	83,362	97.4 %	(1.0)%	2.7 %	14,291	1.0
2003	5,809	88,625	106.5 %	(0.4)%	6.3 %	15,257	1.0
2004	5,596	88,702	89.8 %	(3.7)%	0.1 %	15,851	1.2
2005	5,635	96,438	113.9 %	0.7 %	8.7 %	17,114	1.0
2006	5,497	97,520	104.4 %	(2.4)%	1.1 %	17,741	1.1

(1) For 1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990 and 1995 the percentage increase shown is the average of the 5 annual increases ending with the stated year.

(2) Number of active members (including defined contribution plan members) divided by number of retired members and beneficiaries.

* In thousands of dollars.

EXCLUDES Defined Contribution Plan payroll after 1991.

**RETIRED MEMBERS AND BENEFICIARIES SEPTEMBER 30, 2006
BY ATTAINED AGE GROUPS**

Attained Age Group	Totals	
	No.	Annual Pensions
Under 35	4	\$ 40,932
35-39	4	24,495
40-44	13	189,528
45-49	26	425,134
50-54	210	7,556,718
55-59	589	19,289,868
60-64	716	20,240,237
65-69	649	12,404,793
70-74	707	10,931,096
75-79	870	11,030,642
80-84	901	9,199,043
85-89	541	4,657,295
90-94	214	1,242,048
95-99	47	251,802
100 & Over	6	36,463
Totals	5,497	\$97,520,094

Average age now: 72.9 yrs.
Average age at retirement: 55.4 yrs.
Average service at retirement: 23.8 yrs.

RETIRED MEMBERS AND BENEFICIARIES SEPTEMBER 30, 2006
BY TYPE OF RETIREMENT

Type of Pension Being Paid	Benefit Paid	Number
Age & Service Pensions		
S.S. Equated		
Straight Life	\$22,766,059	1,136
Option1	1,037,343	43
Option2	17,083,509	657
Option3	12,594,805	437
Total	53,481,716	2,273
Not S.S. Equated		
Staight Life	\$13,851,204	1,111
Option1	750,026	23
Option2	7,080,382	313
Option3	8,533,409	445
Total	30,215,021	1,892
Survivor beneficiary of deceased retired member	7,079,646	737
Total Age and Service Pensions	\$90,776,383	4,902
Casualty Pensions		
Duty Disability	\$ 3,131,275	173
Non-Duty Disability	1,450,021	160
Survivor beneficiary of deceased retired member	876,480	105
Duty Death	117,897	17
Non-Duty Death	1,168,038	140
Total Casualty Pensions	6,743,711	595
Total Pensions Being Paid	\$97,520,094	5,497

Vested former members included in the valuation totaled 139. A vested former member is a person who has left the employ of the County after acquiring credited service sufficient for a vested pension and has not withdrawn their accumulated member contributions from the Reserve for Accumulated Member Contributions. A vested former member may retire upon satisfying the conditions for normal retirement.

VESTED FORMER MEMBERS SEPTEMBER 30, 2006
TABULATED BY ATTAINED AGE GROUPS

Attained Ages	No.	Estimated Annual Allowances
35-39	6	\$ 25,170
40-44	12	34,269
45-49	11	82,407
50-54	27	248,358
55-59	51	345,577
60-64	24	89,172
65-69	7	101,326
70 & Up	1	36,439
Totals	139	\$962,718

Former members who were transferred to State employment during 1981 and are eligible for deferred retirement, and former members who transferred to the State and have since terminated are included in the schedule above.

ACTIVE MEMBERS SEPTEMBER 30, 2006

Plan	No.	Valuation Payroll	Average		
			Pay	Age	Service
Defined Benefit Plan 1				(in years)	
General	202	\$ 13,523,423	\$66,948	56.5	27.8
DPS	56	3,539,444	63,204	49.5	26.3
Sheriff	27	1,912,176	70,821	53.9	27.2
Airport	22	1,449,180	65,872	52.9	26.5
Total	307	20,424,223	66,528	54.7	27.4
Defined Benefit Plan 2					
General	58	2,913,785	50,238	51.0	18.2
DPS	13	619,118	47,624	52.0	22.2
Sheriff	30	1,701,203	56,707	37.7	11.6
Airport	4	164,611	41,153	32.7	6.8
Total	105	5,398,717	51,416	46.6	16.4
Defined Benefit Plan 3					
General	33	1,845,582	55,927	52.3	20.8
DPS	5	373,698	74,740	58.3	21.0
Sheriff	45	3,025,652	67,237	48.3	22.0
Airport	6	371,278	61,880	47.5	22.4
Total	89	5,616,210	63,103	50.3	21.5
Defined Benefit Plan 5					
General	538	23,746,895	44,139	42.0	5.3
DPS	105	4,778,578	45,510	44.5	11.5
Sheriff	346	17,389,752	50,259	37.3	9.7
Airport	302	16,037,020	53,103	41.1	8.4
Total	1,291	61,952,245	47,988	40.7	7.7
Defined Benefit Sub-total	1,792	93,391,395	52,116	44.0	12.3
Defined Contribution Plan 4	3,983	226,219,515	56,796	45.2	12.5
Total	5,775	\$319,610,910	\$55,344	44.8	12.4

**ACTIVE AND INACTIVE MEMBERS IN VALUATION
HISTORICAL SCHEDULE
PLAN 1 ONLY**

Valuation Date September 30	Inactive @		Active Members				
	No.	Estimated Pensions	No.	Valuation Payroll#	Average		
					Pay	Age	Service
Defined Benefit Plan 1							
1970	283	N/A	8,170	\$ 81,395,280	\$ 9,963	41.8 yrs.	10.2 yrs.
1975	254	\$ 579,747	7,906	115,811,211	14,649	42.0	10.5
1980	323	1,107,547	6,832	178,221,092	26,086	42.8	12.1
1985	245	1,229,467	3,520	104,007,698	29,548	43.6	13.4
1990	181	985,556	2,212	83,199,604	37,613	47.7	18.2
1995	110	700,859	1,454	67,055,260	46,118	50.3	22.1
1999	74	529,010	981	55,641,299	56,719	51.8	23.9
2000	72	519,980	874	53,822,371	61,582	52.3	24.2
2001	69	490,230	773	49,891,050	64,542	52.7	24.7
2002	64	454,657	686	46,125,812	67,239	53.4	25.3
2003	60	419,316	525	34,354,679	65,437	53.3	26.3
2004	58	410,561	493	32,695,112	66,319	54.4	27.2
2005	36	236,163	308	20,380,626	66,171	53.7	27.5
2006	56	450,126	307	20,424,223	66,528	54.7	27.4

Cost-of-living increases included since 1976. Beginning in 1979 gross fiscal pay was provided.

@ In addition, 304 members were transferred to the State in 1981 (with 6 still working there in 2006 and 4 who have since terminated from the State) who are eligible for deferred retirement.

**ACTIVE AND INACTIVE MEMBERS IN VALUATION
HISTORICAL SCHEDULE
PLANS 2, 3, 4 AND 5**

Valuation Date September 30	Inactive @		Active Members				
	No.	Estimated Pensions	No.	Valuation Payroll#	Average		
					Pay	Age	Service
Defined Benefit Plan 2							
2000	80	\$ 365,994	185	\$ 7,025,511	\$37,976	40.4 yrs.	9.9 yrs.
2001	81	369,832	179	7,284,627	40,696	41.7	10.5
2002	81	369,832	152	6,838,161	44,988	43.0	11.6
2003	80	367,115	137	5,700,048	41,606	44.1	12.5
2004	55	253,284	123	5,633,831	45,804	44.8	14.5
2005	47	386,506	113	5,212,864	46,132	46.2	15.1
2006	77	478,758	105	5,398,717	51,416	46.6	16.4
Defined Benefit Plan 3							
2000	0	\$ 0	108	\$ 6,007,889	\$55,629	45.5 yrs.	15.3 yrs.
2001	0	0	106	5,869,972	55,377	46.0	16.3
2002	0	0	103	6,021,860	58,465	47.1	17.4
2003	0	0	102	5,719,859	56,077	47.9	18.4
2004	0	0	106	6,097,671	57,525	49.7	19.1
2005	0	0	122	7,083,769	58,064	51.1	19.3
2006	5	21,656	89	5,616,210	63,103	50.3	21.5
Defined Contribution Plan 4							
2000	NA	NA	4,828	\$208,770,801	\$43,242	40.3 yrs.	7.7 yrs.
2001	NA	NA	5,018	231,082,080	46,051	41.0	8.0
2002	NA	NA	4,499	223,379,142	49,651	41.9	8.6
2003	NA	NA	4,351	206,015,408	47,349	42.7	9.4
2004	NA	NA	4,842	244,543,363	50,505	44.4	10.7
2005	NA	NA	4,123	213,910,414	51,882	44.3	11.7
2006	NA	NA	3,983	226,219,515	56,796	45.2	12.5
Hybrid Plan 5							
2002	NA	NA	579	\$ 26,596,747	\$45,936	39.6 yrs.	8.3 yrs.
2003	NA	NA	880	37,460,262	42,568	38.9	7.3
2004	NA	NA	1,423	54,359,556	38,201	38.4	5.6
2005	NA	NA	1,201	51,992,978	43,291	39.9	7.1
2006	1	12,178	1,291	61,952,245	47,988	40.7	7.7

Cost-of-living increases included since 1976. Beginning in 1979 gross fiscal pay was provided.

@ In addition, 304 members were transferred to the State in 1981 (with 6 still working there in 2006 and 4 who have since terminated from the State) who are eligible for deferred retirement.

**ACTIVE AND INACTIVE MEMBERS IN VALUATION
HISTORICAL SCHEDULE
RETIREMENT SYSTEM TOTALS**

Valuation Date September 30	Inactive @		Active Members				
	No.	Estimated Pensions	No.	Valuation Payroll	Average		
					Pay	Age	Service
Retirement System Totals							
1970	283	\$ 461,045	8,170	\$ 81,396,280	\$ 9,963	41.7 yrs.	10.2 yrs.
1975	254	579,747	7,906	115,811,211	14,649	42.0	10.5
1980	323	1,107,547	6,832	178,221,092	26,086	42.8	12.1
1985	245	1,229,467	4,758	129,534,998	27,225	41.1	11.0
1990	251	1,286,311	4,999	157,406,461	31,488	41.0	10.9
1995	198	1,114,099	5,407	192,903,829	35,677	41.1	10.3
1999	153	893,028	5,903	256,378,506	43,432	41.9	10.3
2000	152	885,974	5,995	275,626,572	45,976	42.1	10.3
2001	150	860,061	6,076	294,127,729	48,408	42.6	10.4
2002	145	824,488	6,019	308,961,722	51,331	43.1	10.7
2003	140	786,431	5,995	289,250,256	48,249	43.2	10.8
2004	118	956,869	6,987	343,329,533	49,138	44.0	11.0
2005	83	622,669	5,867	298,580,651	50,892	44.1	11.8
2006	139	962,718	5,775	319,610,910	55,344	44.8	12.4

@ In addition, 304 members were transferred to the State in 1981 (with 6 still working there in 2006 and 4 who have since terminated from the State) who are eligible for deferred retirement.

DEFINED BENEFIT PLAN 1
ACTIVE MEMBERS SEPTEMBER 30, 2006
BY ATTAINED AGE AND YEARS OF SERVICE

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Salary
40-44				1	8			9	\$ 598,133
45-49			1	5	30	21	4	61	3,956,838
50-54			5	3	24	33	20	85	6,135,675
55-59		1	3	8	16	22	38	88	5,867,114
60		1	1		1	2	8	13	672,810
61			1	1	3		7	12	776,944
62			1	1	1		3	6	272,179
63					1	1	6	8	485,696
64				1	3		3	7	396,241
65			1				3	4	212,473
66							2	2	162,636
69							1	1	27,434
70						1	2	3	194,292
71							1	1	27,434
72							1	1	139,919
73						1		1	27,434
75							1	1	125,000
77							1	1	128,768
79 & Over						1	2	3	217,203
Totals		2	13	20	87	82	103	307	\$20,424,223

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 54.7 years
Service: 27.4 years
Annual Pay: \$66,528

DEFINED BENEFIT PLAN 2
ACTIVE MEMBERS SEPTEMBER 30, 2006
BY ATTAINED AGE AND YEARS OF SERVICE

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Salary
25-29	2	3	1					6	\$ 322,503
30-34		6	1					7	369,655
35-39		7	4	6				17	801,092
40-44	2		1	6	3			12	647,998
45-49		1	3	7	5			16	848,457
50-54		4		6	8	2		20	1,164,395
55-59		3		5	1	2	5	16	701,415
60				3	1			4	201,176
61							2	2	153,987
63		1		1				2	65,297
64				1				1	37,128
68			1					1	29,901
70					1			1	55,713
Totals	4	25	11	35	19	4	7	105	\$5,398,717

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 46.6 years
Service: 16.4 years
Annual Pay: \$51,416

DEFINED BENEFIT PLAN 3
ACTIVE MEMBERS SEPTEMBER 30, 2006
BY ATTAINED AGE AND YEARS OF SERVICE

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Salary
40-44				3	14			17	\$1,088,749
45-49				1	27	1		29	1,879,518
50-54				2	17			19	1,134,177
55-59				4	12			16	1,025,333
60									
61				2	2			4	227,148
62				1	1			2	129,418
66					1			1	70,200
67				1				1	61,667
Totals				14	74	1		89	\$5,616,210

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 50.3 years
Service: 21.5 years
Annual Pay: \$63,103

DEFINED CONTRIBUTION PLAN 4
ACTIVE MEMBERS SEPTEMBER 30, 2006
BY ATTAINED AGE AND YEARS OF SERVICE

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Salary
20-24	7	3						10	\$ 287,344
25-29	25	115	2					142	5,840,537
30-34	33	250	85	4				372	17,891,150
35-39	48	247	243	132	12			682	36,223,237
40-44	45	203	186	221	105	1		761	42,827,392
45-49	42	194	147	191	125	14	1	714	42,869,592
50-54	47	152	133	131	90	31	11	595	36,587,719
55-59	47	105	85	84	44	26	28	419	26,594,487
60	5	21	10	11	3	2	5	57	3,669,950
61	2	10	5	7	3	3	2	32	1,828,144
62	2	14	9	10	6	3	5	49	2,865,454
63	4	11	6	7	4	1	1	34	2,096,644
64	3	10	12	7	2			34	1,838,299
65		6	7	4		1		18	1,018,703
66	1	3	6	5	1		1	17	1,165,275
67		4	4	2	2	1		13	753,362
68		1	1	1	2		1	6	454,345
69		4	2	2				8	369,437
70		3	4					7	343,752
71			2	3	1			6	364,486
72				1				1	56,187
73			2					2	83,384
74	1	1						2	114,209
79 & Over		1					1	2	76,426
Totals	312	1,358	951	823	400	83	56	3,983	\$226,219,515

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 45.2 years
Service: 12.5 years
Annual Pay: \$56,796

HYBRID PLAN 5
ACTIVE MEMBERS SEPTEMBER 30, 2006
BY ATTAINED AGE AND YEARS OF SERVICE

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Salary
20-24	41	2						43	\$ 1,454,236
25-29	167	18						185	7,098,095
30-34	137	38	9	1				185	8,449,483
35-39	97	32	34	25	1			189	9,049,369
40-44	94	20	37	56	23			230	11,996,509
45-49	98	14	11	25	24	4		176	8,957,713
50-54	69	6	10	16	18	9	10	138	7,439,668
55-59	50	6	7	12	11	2	10	98	5,180,411
60	7			1	2		2	12	691,446
61	3	1		1				5	270,545
62	2			2	2			6	325,088
63	2	1						3	84,900
64	4		1		1		1	7	417,218
65	1	2	1	2				6	193,806
66		1	1					2	82,035
68	2							2	108,355
69	2							2	108,410
70	1							1	21,466
72	1							1	23,492
Totals	778	141	111	141	82	15	23	1,291	\$61,952,245

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 40.7 years
Service: 7.7 years
Annual Pay: \$47,988

SECTION C

METHODS AND ASSUMPTIONS

BASIC FINANCIAL PRINCIPLES AND OPERATION OF THE RETIREMENT SYSTEM

Benefit Promises Made Which Must Be Paid For. A retirement program is an orderly means of handing out, keeping track of, and financing pension promises to a group of employees. As each member of the retirement program acquires a unit of service credit the member is, in effect, handed an "IOU" which reads: "The Retirement System promises to pay you one unit of retirement benefits, payments in cash commencing when you retire."

The principal related financial question is: When shall the money required to cover the "IOU" be contributed? This year, when the benefit of the member's service is received? Or, some future year when the "IOU" becomes a cash demand?

The Constitution of the State of Michigan is directed to the question:

"Financial benefits arising on account of service rendered in each fiscal year shall be funded during that year and such funding shall not be used for financing unfunded accrued liabilities."

This Retirement System meets this requirement by having as its financial objective the establishment and receipt of contributions, expressed as percents of active member payroll, which will remain approximately level from year to year and will not have to be increased for future generations of taxpayers.

Translated into actuarial terminology, a level percent-of-payroll contribution objective means that the contribution rate must be at least:

Normal Cost (the present value of future benefits assigned to members' service being rendered in the current year)

. . . plus . . .

Interest on the Unfunded Actuarial Accrued Liability (the difference between the actuarial accrued liability and current system assets).

The accumulation of invested assets is a by-product of level percent of payroll contributions, not the objective. Investment income becomes the third major contributor to the retirement program, and the amount is directly reacted to the amount of contributions and investment performance.

If contributions to the retirement program are less than the preceding amount, the difference, plus investment earnings not realized thereon, will have to be contributed at some later time, or, benefits will have to be reduced, to satisfy the fundamental fiscal equation under which all retirement programs must operate:

$$\mathbf{B = C + I - E}$$

The aggregate amount of **B**enefit payments to any group of members and their beneficiaries cannot exceed the sum of:

The aggregate amount of **C**ontributions received on behalf of the group

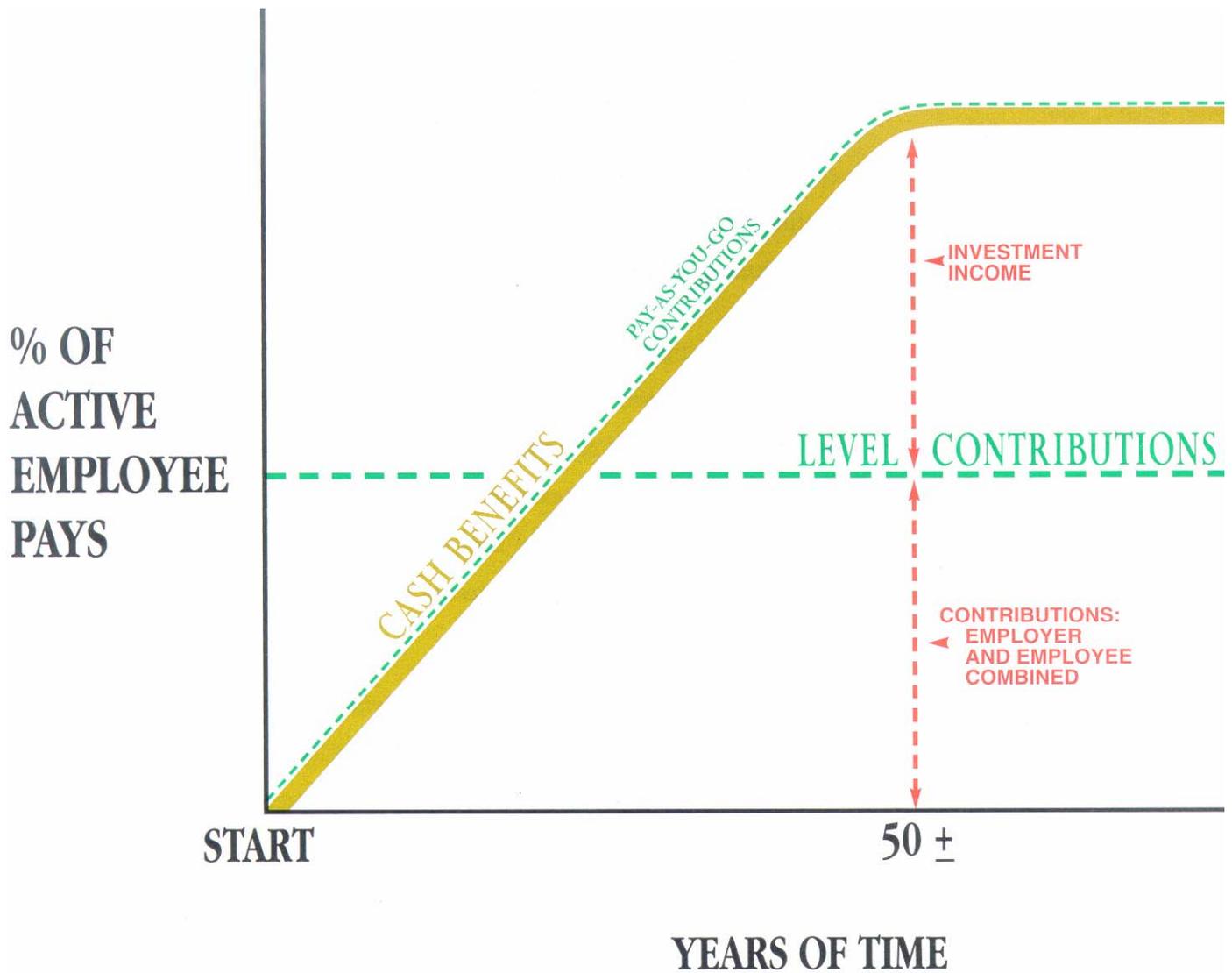
. . . plus . . .

Interest earnings on contributions received and not required for immediate cash payments of benefits

. . . minus . . .

The **E**xpenses of operating the program.

Computed Contribution Rate Needed To Finance Benefits. From a given schedule of benefits and from the data furnished, the actuary calculates the contribution rate *by means of an actuarial valuation* - the technique of assigning monetary values to the risks assumed in operating a retirement program.



CASH BENEFITS LINE. This relentlessly increasing line is the fundamental reality of retirement plan financing. It happens each time a new benefit is added for future retirements (and happens regardless of the design for contributing for benefits).

LEVEL CONTRIBUTION LINE. Determining the level contribution line requires detailed assumptions concerning a variety of experiences in future decades, including:

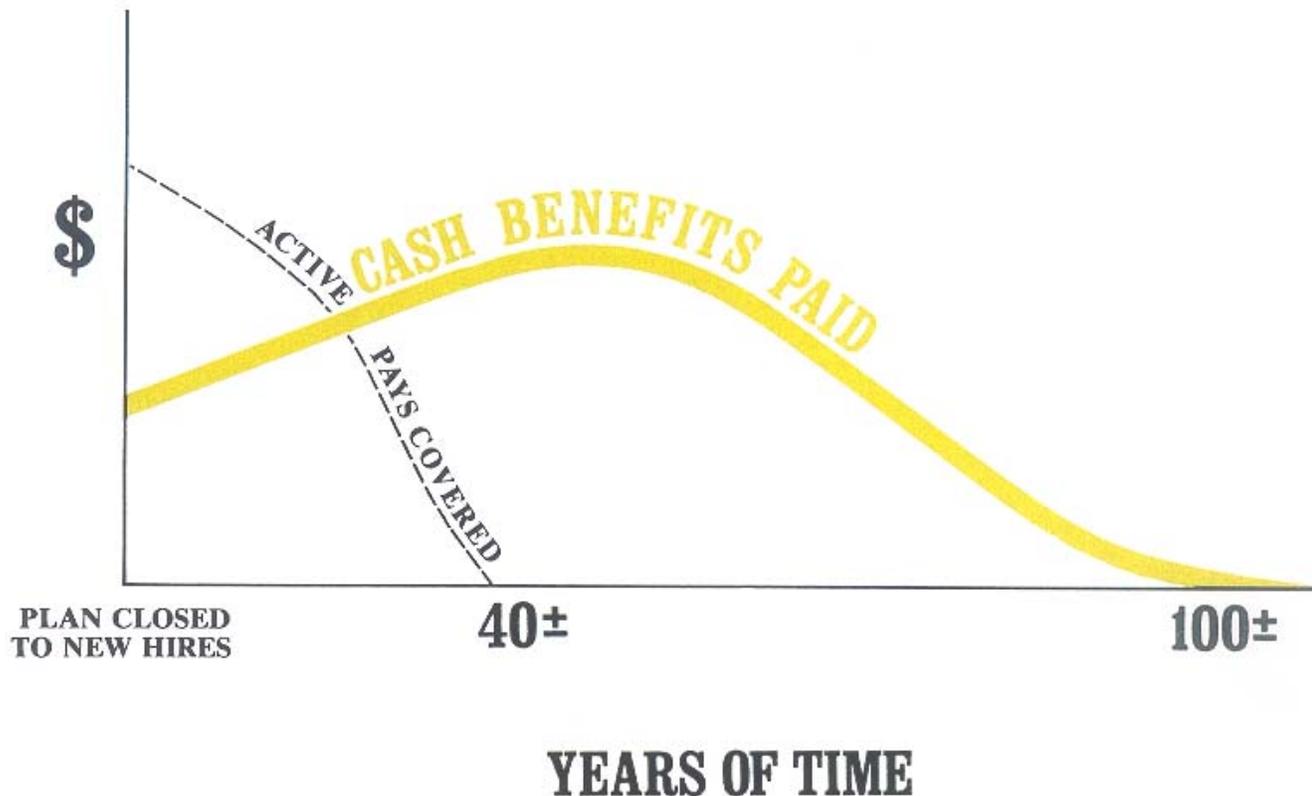
Economic Risk Areas

- Rates of investment return
- Rates of pay increase
- Changes in active member group size

Non-Economic Risk Areas

- Ages at actual retirement
- Rates of mortality
- Rates of withdrawal of active members (turnover)
- Rates of disability

A CLOSED PENSION PLAN



A plan becomes closed when no new hires are admitted to active membership. The persons covered by the plan at the time of closing continue their normal activities and continue to be covered by the plan, until the last survivor dies.

CASH BENEFITS LINE. After a pension plan becomes closed, the usual pattern is for cash benefits to continue to increase for decades of time. Eventually the cash benefits will peak, and then gradually decrease over more decades of time, ultimately to zero. The last cash benefit is likely to occur a century after the time the plan is closed.

The precise amounts of cash benefits cannot be known now, and must be estimated by assumptions of future experiences in a variety of financial risk areas.

THE ACTUARIAL VALUATION PROCESS

The financing diagram on page C-3 shows the relationship between the two fundamentally different philosophies of paying for retirement benefits: the method where contributions match cash benefit payments (or barely exceed cash benefit payments, as in the Federal Social Security program) which is an *increasing contribution method*; and the *level contribution method* which equalizes contributions between the generations.

The actuarial valuation is the mathematical process by which the level contribution rate is determined, and the flow of activity constituting the valuation may be summarized as follows:

- A. **Census Data**, furnished by plan administrator.
 - Retired lives now receiving benefits
 - Former employees with vested benefits not yet payable
 - Active employees

- B. + **Asset data** (cash & investments), furnished by plan administrator

- C. + **Assumptions concerning future experience in various risk areas**, which assumptions are established by the Retirement System after consulting with the actuary

- D. + **The funding method** (the long-term, planned pattern for employer contributions)

- E. + **Mathematically combining the assumptions, the funding method, and the data**

- F. = Determination of:
 - Plan financial position; and/or
 - New Employer Contribution Rate

ACTUARIAL COST METHODS

Normal cost and the allocation of benefit values between service rendered before and after the valuation date was determined using the *individual entry-age actuarial cost method* having the following characteristics:

- the annual normal costs for each individual active member, payable from the date of employment to the date of retirement, are sufficient to accumulate the value of the member's benefit at the time of retirement;
- each annual normal cost is a constant percentage of the member's year-by-year projected covered pay.

Asset Valuation Method. Last year's valuation assets are increased by contributions and reduced by refunds, benefit payments and expenses. An amount equal to the assumed investment return for the year is then added. Differences between actual return on a market value basis and an assumed return are phased in over a four-year period.

The portion of the actuarial present value allocated to the valuation year is called the normal cost. The portion of the actuarial present value not provided for by the actuarial present value of future normal costs is called the actuarial accrued liability. Deducting accrued assets from the actuarial accrued liability determines the unfunded actuarial accrued liability.

The base rate of increase in salaries used to calculate the actuarial liability was assumed to be 4.0%.

ACTUARIAL ASSUMPTIONS USED FOR THE VALUATION

Contribution requirements and actuarial present values are calculated by applying estimates of future experience (actuarial assumptions) to the benefit provisions and participant data of the System, using the actuarial cost methods described on page C-6.

The principal areas of activity which require experience estimates are:

- long-term rates of investment return to be generated by the assets of the System
- patterns of pay increases to members
- rates of mortality among members, retired members and beneficiaries
- rates of withdrawal of active members
- rates of disability among active members
- the age patterns of actual retirements

In an actuarial valuation, the monetary effect of each activity is calculated for as long as a present covered person survives - - - a period of time which can be as long as a century.

Actual experience of the System will not coincide exactly with the experience estimates. Each valuation provides a complete recalculation of estimated future experience and takes into account all past differences between estimated and actual experience. The result is a continual series of adjustments (usually small) to the computed contribution rate.

From time to time one or more of the estimates are modified to reflect experience trends but not random or temporary year-to-year fluctuations.

ACTUARIAL ASSUMPTIONS USED FOR THE VALUATION

Investment Return (net of administrative expenses).

8.0% per year, compounded annually. This rate consists of a real rate of return of **4.0%** a year plus a long-term rate of wage inflation of **4.0%** a year.

No specific Price Inflation assumption is needed for this valuation.

This assumption is used to equate the value of payments due at different points in time and was first used for the September 30, 1998 valuation. Approximate rates of investment return, for the purpose of comparisons with assumed rates, are shown below.

	Year Ended September 30					5-Year Average
	2006	2005	2004	2003	2002	
Recognized Rate of Return	10.3%	7.1%	(0.2)%	3.0%	6.0%	5.2%

The nominal rate of return was computed using the approximate formula $i = I$ divided by $1/2 (A + B - I)$, where I is recognized investment income net of expenses, A is the beginning of year asset value, and B is the end of year asset value.

Rates of salary increase were as follows:

Merit and Longevity Pay Increases			
Other		Sheriffs	
Age	Increase	Service	Increase
20	3.70%	5	4.22%
25	3.40%	10	3.38%
30	2.50%	15	2.54%
35	1.90%	20	2.18%
40	1.60%	25	2.04%
45	1.20%	30	1.76%
50	1.00%	35	1.06%
55	0.80%	40	0.64%
60	0.50%	42 - 60	0.60%
65 & Over	0.00%	61 & Over	0.00%
Ref:	107	Ref:	110

These rates are used to project current salaries to those upon which pension amounts are likely to be based. The current rates were first used for the September 30, 2004 actuarial valuation.

Rates of separation from active membership were as follows:

% of Active Members Separating Within the Next Year							
Other				Sheriffs			
Ages		Service (Plan 5 only)		Ages		Service (Plan 5 only)	
20	6.00%	0 - 1	20%	20	4.70%	0 - 1	15%
21	6.00%	1 - 2	15%	21	4.70%	1 - 2	13%
22	6.00%	2 - 3	12%	22	4.70%	2 - 3	10%
23	6.00%	3 - 4	10%	23	4.70%	3 - 4	7%
24	6.00%	4 - 5	7%	24	4.70%	4 - 5	5%
25	6.00%			25	4.70%		
30	6.00%			30	3.78%		
35	4.50%			35	2.86%		
40	3.50%			40	1.96%		
45	3.00%			45	1.30%		
50	2.00%			50	0.98%		
55	1.00%			55	0.66%		
60 & Over	0.00%			60 & Over	0.21%		
Ref:	290		31	Ref:	660		148

Rates for all divisions were first used for the September 30, 2004 valuation.

The probabilities of retirement for members satisfying the age and service conditions for retirement are as follows:

Percent of Defined Benefit Active Members Retiring Within Next Year								
Retirement Ages	Plan 1 Non-Sheriffs	Plans 1, 2, & 3 Sheriffs	Plans 2, 3, & 5 Non-Sheriffs	Plan 5 Sheriffs	Service Years	Plan 1 Non-Sheriffs	Plans 1, 2, & 3 Sheriffs	Plan 5 Sheriffs
					25		22%	
					26		20%	
					27		20%	
					28		30%	
					29		40%	
50	25%				30	30%	50%	22%
51	25%				31	30%	25%	20%
52	25%				32	30%	25%	20%
53	25%				33	30%	25%	30%
54	25%				34	30%	25%	40%
55	25%		10%	25%	35	30%	100%	50%
56	25%		10%	25%	36	30%	100%	25%
57	25%		10%	25%	37	30%	100%	25%
58	25%		10%	25%	38	30%	100%	25%
59	25%		10%	25%	39	30%	100%	25%
60	25%	25%	10%	25%	40 & Over	100%	100%	100%
61	25%	25%	10%	25%				
62	35%	35%	20%	25%				
63	35%	35%	20%	27%				
64	35%	35%	30%	27%				
65	35%	35%	50%	27%				
66	35%	35%	30%	27%				
67	35%	35%	40%	27%				
68	35%	35%	50%	30%				
69	35%	35%	80%	30%				
70 & Over	100%	100%	100%	100%				
Ref:	560	560	92	369	Ref:	556	957	957

The rates were first used for the September 30, 2004 valuation.

Rates of disability are represented by the following table:

Sample Ages	Percent Becoming Disabled Within Next Year		
	Non-Sheriffs (Plan 1 only)		Others
20	0.08%		0.10%
25	0.08%		0.10%
30	0.08%		0.07%
35	0.08%		0.12%
40	0.20%		0.28%
45	0.26%		0.51%
50	0.49%		0.81%
55	0.89%		1.13%
60	1.41%		1.44%
Ref	9	x 1	8 x 1

Lump sum redemption factors are used to project increases in average final compensation due to the inclusion of lump sum redemptions of unused sick leave and vacation time.

Lump sum redemption factors applicable to Defined Benefit Plans 1 and 3 are:

Factors			
Service Retirements		Death- in-Service	Disability Retirements
Regular	Deferred		
5.0%	5.0%	0.0%	0.0%

The lump sum redemption factors applicable to Defined Benefit Plans 2 and 5 is zero.

Number of active members: The number of active members (in all plans) was assumed to remain constant.

The mortality table used to measure pre and post-retirement mortality was the 1983 Group Annuity Mortality Table. This assumption was first used for the September 30, 1998 supplemental actuarial valuation. Rates were set forward 5 years for disabled retirees.

Mortality rates are used to measure the probabilities of members dying before retirement and the probabilities of each pension payment being made after retirement.

Sample Attained Ages	Single Life Retirement Values			
	Present Value of \$1 Monthly for Life		Future Life Expectancy (years)	
	Men	Women	Men	Women
45	\$138.18	\$144.67	33.74	39.69
50	132.10	140.42	29.18	34.92
55	124.57	134.74	24.82	30.24
60	115.04	127.24	20.64	25.67
65	103.26	117.61	16.69	21.29
70	90.18	105.53	13.18	17.13
75	76.40	91.57	10.15	13.37
80	62.65	77.16	7.64	10.20
Ref:	30 x 1.00	31 x 1.00		

MISCELLANEOUS AND TECHNICAL ASSUMPTIONS

SEPTEMBER 30, 2006

Marriage Assumption:	100% of males and 100% of females are assumed to be married. Male spouses are assumed to be three years older than female spouses.
Pay Increase Timing:	Beginning of (Fiscal) year.
Decrement Timing:	Decrements are assumed to occur mid-year.
Eligibility Testing:	Eligibility for benefits is determined based upon the age nearest birthday and the exact fractional service on the date the decrement is assumed to occur.
Decrement Relativity:	Decrement rates are used directly from the experience study, without adjustment for multiple decrement table effects.
Decrement Operation:	Disability and mortality decrements do not operate during the first 5 years of service. Disability and turnover do not operate during retirement eligibility.
Normal Form of Benefit:	The assumed normal form of benefit is the straight life form.
Adjustments:	<p>The Plan 1 and Plan 3 age and service benefits were increased by 5% to account for lump sum redemptions of unused sick leave and vacation time.</p> <p>Age and service benefits were increased by 1% for Plans 1, 2, 3, and 5 to account for missing or incomplete data.</p> <p>Retiree liabilities were increased by 2% to account for the plan's pop-up provision. Straight Life amounts are not provided for members who elect the pop-up provision.</p> <p>A reserve equal to 2% of total active accrued liability was included to account for refunds due.</p>
Incidence of Contributions:	Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.
Benefit Service:	Exact fractional service is used to determine the amount of benefit payable.
Option Factors:	Option factors are based upon 7.0% interest and the 1971 Group Annuity Mortality Table, set back six years for females with an 85% Unisex Blend.

SECTION D

FINANCIAL REPORTING

**STATEMENT OF MARKET VALUE OF ASSETS
AS OF SEPTEMBER 30, 2005 AND SEPTEMBER 30, 2006**

	2006	2005
Assets:		
Cash and short-term investments	\$ 22,478,061	\$ 68,769,358
Receivables:		
Accrued interest and dividends	1,873,275	1,880,072
Investments, at fair value:		
U.S. Government Bonds	69,560,862	85,970,239
Corporate Bonds	78,630,406	70,308,959
Capital Assets	63,351	0
Mortgages	51,354,955	57,194,282
Investments in Partnerships	112,145,603	107,004,753
Stocks	653,098,478	596,270,666
Other	468,551	18,382,511
	965,322,206	935,131,410
Total Assets	\$989,673,542	\$1,005,780,840
Liabilities		
Payables	2,258,181	14,332,276
Net assets held in trust for pension benefits (A schedule of funding progress for the plan is presented on page D-4.)	\$ 987,415,361	\$991,448,564

**STATEMENT OF CHANGES IN MARKET VALUE OF NET ASSETS FOR THE
FISCAL YEARS ENDED SEPTEMBER 30, 2005 AND SEPTEMBER 30, 2006**

	Reconciliation as of September 30	
	2006	2005
Additions:		
Contributions		
Employer	\$ 12,662,630	\$ 11,105,624
Plan members	7,589,805	4,159,332
Total contributions	20,252,435	15,264,956
Investment Income	93,134,924	138,209,157
Total Additions	113,387,359	153,474,113
Deductions:		
Benefits	99,671,182 @	97,746,949 @
Refunds of contributions	11,201,033	13,536,667
Investment expenses	3,604,614	3,825,139
Administrative expenses & Other	2,943,733	2,923,608
Total deductions	117,420,562	118,032,363
Net Increase	(4,033,203)	35,441,750
Net assets held in trust for pension benefits:		
Beginning of year	991,448,564	956,006,814
End of year	\$987,415,361	\$991,448,564

@ Includes 13th check disbursement.

Plan Description. The Wayne County Employees' Retirement System is a single-employer defined benefit and defined contribution pension plan that covers the employees of Wayne County.

The plan provides retirement, disability, and death benefits to plan members and their beneficiaries.

Contributions. Plan members' contributions are in accordance with pages B-2, B-3, B-4, and B-7.

The employer's funding policy provides for periodic employer contributions based upon a ***fundamental financial objective of having rates of contribution which remain relatively level from generation to generation of Wayne County citizens.*** To determine the employer contribution rates and to assess the extent to which the fundamental financial objective is being achieved, the System has actuarial valuations prepared annually. In preparing those valuations, the individual entry age normal actuarial cost method is used to determine normal cost and actuarial accrued liabilities.

On the basis of the September 30, 2006 actuarial valuation, the employer contributions were determined to be as follows:

<u>Contributions for</u>	<u>% of Payroll 20-year Amort.</u>
Normal Cost	7.60 %
Unfunded Accrued Liabilities	<u>8.22 %</u>
Total Employer DB Plan Contributions	15.82 %

REQUIRED SUPPLEMENTARY INFORMATION
SCHEDULE OF FUNDING PROGRESS
(DOLLAR AMOUNTS IN MILLIONS)

Actuarial Valuation Date	Actuarial Value of Assets* (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b)-(a)	Funded Ratio (a)/(b)	Covered+ Payroll (c)	UAAL as a Percent of Covered Payroll [(b)-(a)]/(c)
11/30/1993#	\$ 749.5	\$ 777.5	\$ 28.0	96.4 %	\$184.0	15.2 %
11/30/1994	766.1	783.5	17.4	97.8 %	182.7	9.5 %
11/30/1995#	781.4	829.2	47.8	94.2 %	192.9	24.8 %
11/30/1996#@	866.9	866.9	0.0	100.0 %	208.6	--
11/30/1997#	877.9	870.1	(7.8)	100.9 %	224.1	--
9/30/1998#	933.0	906.6	(26.4)	102.9 %	231.0	--
9/30/1999	965.8	915.3	(50.5)	105.5 %	256.4	--
9/30/2000&	1,028.6	947.6	(81.0)	108.5 %	275.6	--
9/30/2001#	1,041.6	979.2	(62.4)	106.4 %	294.1	--
9/30/2002	1,043.3	1,010.7	(32.6)	103.2 %	309.0	--
9/30/2003	996.6	1,007.7	11.1	98.9 %	289.3	3.8 %
9/30/2004#	910.1	959.7	49.6	94.8 %	343.3	14.4 %
9/30/2005	891.4	969.3	77.9	92.0 %	298.6	26.1 %
9/30/2006a	886.6	982.0	95.4	90.3 %	319.6	29.8 %
9/30/2006b	894.5	982.0	87.5	91.1 %	319.6	27.4 %
9/30/2006c	894.5	1,000.2	105.7	89.4 %	319.6	33.1 %

After changes in benefit provisions or revised actuarial assumptions.

* Excludes reserve for inflation equity.

+ Includes defined contribution plan payroll.

@ After one-time adjustment equal to UAAL.

& Change in Inflation Equity calculation.

The cost method and the threshold assumption used for the allocation to the Inflation Equity Fund (IEF) were changed for the September 30, 2006 valuation. The results above are displayed as follows:

a) Project Unit Credit (PUC), 8% threshold return for the IEF.

b) PUC, 9% threshold return for the IEF.

c) Entry Age Normal Cost (EANC), 9% threshold return for the IEF.

Note: Hybrid Plan 5 exists September 30, 2003 and later.

**SCHEDULE OF EMPLOYER CONTRIBUTIONS
DEFINED BENEFIT PLANS ONLY
(\$ IN THOUSANDS)**

Fiscal Year Ended September 30@	Annual Recommended Contributions	Actual Contributions +
2001	4.79%	\$ 39
2002	0.0%	45
2003&	3.14%	3,002
2004	8.06%	7,374
2005	12.30%	11,106
2006	13.80%	12,663
2007	16.03%	N/A
2008	15.82%	N/A

@ *Includes Hybrid Plan 5 after 2003.*

& *Transfers from DC Plan 4 to DB Plan 5 in 2004 resulted in larger contributions than anticipated. The amount of transfer activity, if any, could not have been known in advance.*

+ *Actual contributions are based on a percent of current payroll.*

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

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	September 30, 2006
Actuarial cost method	Entry Age Normal
Amortization method	Level percent-of-payroll
Remaining amortization period	20 years – open
Asset valuation method	4-year smoothed market
Actuarial assumptions:	
Investment rate of return*	8.0%
Projected salary increases*	4.0% - 8.4%
Cost-of-living adjustments	N/A
<hr/>	
* Includes inflation at	4.0%

October 10, 2007

Mr. Ronald Yee
Director
Wayne County Employees'
Retirement System
28 W. Adams, Suite 1900
Detroit, Michigan 48226

Dear Ron:

Enclosed are 45 copies of the September 30, 2006 Actuarial Valuation report for the Wayne County Employees' Retirement System.

Sincerely,

A handwritten signature in cursive script that reads "Judith A. Kermans". The signature is written in black ink and is positioned above the printed name.

Judith A. Kermans

JAK/clb
Enclosures