

Lancaster County Employees' Retirement System

Report on 2009 Actuarial Valuation Including
Determination of County Annual Required
Contribution for 2009

HayGroup®



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for

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April 21, 2009

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I. Introduction

The primary purpose of this report is to investigate and fully and fairly disclose the actuarial position of the System as of January 1, 2009 and to establish the proper appropriation for the 2009 plan year, in accordance with the funding standards of Section 6 of Act 96, 1971 of the Commonwealth of Pennsylvania as amended.

On the basis of the actuarial methods, assumptions and major plan provisions summarized in this report and in reliance on the member data and statement of the Fund's assets furnished by the County, to the best of our knowledge the information in this report is complete and accurate.

In our opinion, this report presents fairly the financial and actuarial position for the Lancaster County Employees' Retirement Plan as of January 1, 2009 in accordance with generally accepted actuarial principles, and on the basis of actuarial assumptions and methods which, in the aggregate, are reasonable (taking into account past experience under the System and reasonable expectations) and which in combination represent our best estimate of anticipated experience.

Respectfully submitted,

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II. Findings

Certified Annual Required Contribution (ARC)

Please note that the certified Annual Required Contribution which is reported on page 11 of this report and which must be funded in 2009 is \$7,171,189.00. This is required to be made by the County from the General Fund.

Cost-of-Living Funding Requirements

The amount required to fund the cost-of-living increase granted effective January 1, 2009 is \$2,285,717.00. This funding requirement increases the present value of future benefits for retired lives. The amount may be funded through direct appropriations or will be funded over the average service lives of the active participants and will be reflected as an increase in the Annual Required Contribution (ARC).

Actuarial Adjustments

Also note that the balances in the Reserve Accounts on page 10 reflect the following transfers which are necessary to keep the balance in the Retired Member's Reserve Account equal to the liability for the retired lives and to reflect the difference between the amount of interest credited to the respective reserves and the interest rate assumed in the valuation of the liabilities. Please make these transfers in your records:

	DEBIT	CREDIT
County Annuity Reserve Account	\$ 2,360,376.09	
Retired Members Annuity Reserve Account		\$ 2,360,376.09

III. Schedules

Schedule A

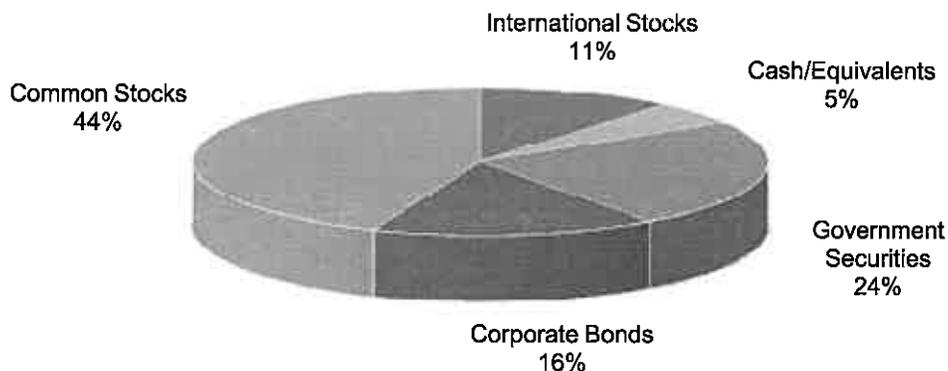
Disclosure of Pension Information in Accordance with
Statement No. 25, Statement No. 27 and Statement No. 50
of the Governmental Accounting Standards Board

LANCASTER COUNTY EMPLOYEES' RETIREMENT SYSTEM			
STATEMENT OF CHANGES IN PLAN NET ASSETS FOR THE YEAR ENDED DECEMBER 31, 2008 AND 2007			
Additions			
		<u>2008 Total</u>	<u>2007 Total</u>
Contributions			
County	\$	4,000,000.00	\$ 4,859,915.00
Plan Members	\$	4,392,999.82	\$ 4,449,499.41
Miscellaneous	\$	127,771.12	\$ 34,213.66
Total Contributions	\$	<u>8,520,770.94</u>	\$ <u>9,343,628.07</u>
Investment Income			
Realized Loss	\$	<u>(13,706,339.79)</u>	
Unrealized Loss	\$	<u>(34,067,471.30)</u>	
Net Loss in Fair Value	\$	(47,773,811.09)	\$ 2,238,983.29
Interest/Dividends	\$	4,930,328.59	\$ 8,900,897.78
Net Accrued Interest	\$	(441,393.26)	\$ 214,508.85
Investment Income	\$	<u>(43,284,875.76)</u>	\$ <u>11,354,389.92</u>
Less Investment Expense	\$	632,810.54	\$ 521,977.79
Net Investment Income	\$	<u>(43,917,686.30)</u>	\$ <u>10,832,412.13</u>
Total Additions	\$	<u>(35,396,915.36)</u>	\$ <u>20,176,040.20</u>
Deductions			
Benefits	\$	8,260,949.80	\$ 7,100,088.07
Refunds of Member Contributions	\$	721,726.64	\$ 1,114,824.89
Administrative Expense	\$	30,789.00	\$ 37,268.00
Miscellaneous	\$	23,682.75	\$ 11,142.83
Total Deductions	\$	<u>9,037,148.19</u>	\$ <u>8,263,323.79</u>
Net Increase/(Decrease)	\$	<u>(44,434,063.55)</u>	\$ <u>11,912,716.41</u>
Net Assets Held In Trust For Pension Benefits			
Beginning of Year	\$	<u>173,570,102.35</u>	\$ <u>161,657,385.94</u>
End of Year	\$	<u>129,136,038.80</u>	\$ <u>173,570,102.35</u>

Schedule A--Continued

LANCASTER EMPLOYES' RETIREMENT SYSTEM			
STATEMENT OF PLAN ASSETS AS OF DECEMBER 31, 2008 AND 2007			
Assets			
	<u>2008 Total</u>		<u>2007 Total</u>
Cash and Short-Term Investments	\$ 5,297,067.54	\$	3,891,668.30
Receivables	\$ 837,924.54	\$	1,248,430.38
Investments, at fair market value			
Government Obligations	\$ 31,286,258.21	\$	32,381,156.86
Corporate Bonds	\$ 20,166,528.09	\$	18,162,062.73
Common Stocks	\$ 57,434,542.18	\$	93,885,567.69
International Stocks	\$ 14,113,718.24	\$	24,001,216.39
Total Investments	\$ 123,001,046.72	\$	168,430,003.67
Total Assets	\$ 129,136,038.80	\$	173,570,102.35
Liabilities			
Refunds Payable and Other	\$ 0.00	\$	0.00
Net Assets Held In Trust For Pension Benefits			
	\$ 129,136,038.80	\$	173,570,102.35

TOTAL ASSETS (MARKET VALUE 12-31-2008)



Schedule A -- Continued

Lancaster County Employees' Retirement System

Notes to the Financial Statements for the Fiscal Year Ended December 31, 2008

Summary of Significant Accounting Policies

Basis of Accounting: The Lancaster County Employees' Retirement System financial statements are prepared using the accrual basis of accounting. Plan member contributions are recognized in the period in which the contributions are due. Employer contributions to each plan are recognized when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of each plan.

Method Used to Value Investments: Investments are reported at fair value. Short-term investments are reported at cost, which approximates fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Investments that do not have an established market are reported at estimated fair value.

Plan Descriptions and Contribution Information

Membership of the plan consisted of the following at December 31, 2008, the date of the latest actuarial valuation:

Retirees and Beneficiaries Receiving Benefits	953
Terminated Plan Members Entitled to but not yet Receiving Benefits	163
Active Plan Members	1,897
Total	3,013
Number of Participating Employers	1

Schedule A--Continued

Lancaster County Employees' Pension System

Plan Description: The Lancaster County Employees' Pension Plan is a single-employer defined benefit pension plan that covers all employees of the County. The plan provides retirement, disability, and death benefits to plan members and their beneficiaries. Cost-of-living adjustments (COLA) are provided at the discretion of the Lancaster County Employees' Retirement Board. Act 96 of 1971, as amended cited as the County Pension Law provides for the creation, maintenance and operation of this plan.

Contributions: Plan members are required to contribute 5% of their annual covered salary. The County is required to contribute at an actuarially determined rate. Per Act 96 of 1971, as amended, contribution requirements of the plan members and the County are established and may be amended by the General Assembly of the Commonwealth of Pennsylvania. Administrative costs may be financed through investment earnings.

REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULES OF EMPLOYER CONTRIBUTIONS

Year	Annual Required Contribution	County Contribution
2000	\$ 609,240	\$ 0
2001	\$ 910,617	\$ 0
2002	\$ 2,823,744	\$ 473,937
2003	\$ 4,775,487	\$ 5,500,000
2004	\$ 5,827,903	\$ 5,500,000
2005	\$ 7,534,558	\$ 7,400,000
2006	\$ 5,578,535	\$ 5,578,535
2007	\$ 4,859,915	\$ 4,859,915
2008	\$ 3,333,575	\$ 4,000,000
2009	\$ 7,171,189	\$

Schedule A--Continued

REQUIRED SUPPLEMENTARY INFORMATION						
SCHEDULES OF FUNDING PROGRESS						
Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial 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)
1/1/2008	175,412,278	185,818,519	10,406,241	94.4%	73,915,189	14.1%
1/1/2009	159,134,908	199,653,516	40,518,608	79.7%	78,717,769	51.5%

* The ARC is calculated using the aggregate actuarial cost method. Information in this schedule is calculated using the entry age actuarial cost method as a surrogate for the funding progress of the plan.

Schedule A--Continued

NOTES TO THE REQUIRED SCHEDULES

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	12/31/2008
Actuarial Cost Method	Aggregate **
Asset Valuation Method	5-Year Smoothed Market
Actuarial Assumptions:	
Investment Rate of Return *	7.5%
Projected Salary Increases *	4.5%
* Includes Inflation at	3%

** The aggregate actuarial cost method is used to determine the annual required contribution (ARC) for the plan. Because this method does not identify or separately amortize unfunded actuarial liabilities, information about funded status is prepared using the entry age actuarial cost method and is intended to serve as a surrogate for the funded status of the plan.

Schedule A--Continued

ACCOUNTING PROCEDURES FOR CALCULATING - NET PENSION OBLIGATION (NPO)							
(1) Year	(2) ARC	(3) Interest On NPO ***	(4) ARC Adjustment **	(5) Pension Cost (2+3-4)	(6) Contribution	(7) Change in NPO (5-6)	(8) NPO Balance * (BB+7)
2000	609,240	109,307	178,797	539,750	0	539,750	1,997,178
2001	910,617	149,788	244,591	815,814	0	815,814	2,812,992
2002	2,823,744	210,974	346,516	2,688,202	473,937	2,214,265	5,027,257
2003	4,775,487	377,044	626,988	4,525,543	5,500,000	(974,457)	4,052,800
2004	5,827,903	303,960	496,600	5,635,263	5,500,000	135,263	4,188,063
2005	7,534,558	314,105	509,148	7,339,515	7,400,000	(60,485)	4,127,578
2006	5,578,535	309,568	493,756	5,394,347	5,578,535	(184,188)	3,943,390
2007	4,859,915	295,754	478,783	4,676,886	4,859,915	(183,029)	3,760,361
2008	3,333,575	282,027	460,275	3,155,327	4,000,000	(844,673)	2,915,688
2009	7,171,189	218,677	358,080	7,031,786			

* BB = Beginning balance for the year.

** ARC Adjustment -Amortization factor based upon level percentage of projected payroll.

*** Interest on the balance of the NPO at the beginning of the year using the investment return rate assumed in determining ARC. The interest is an estimate of the investment earnings lost to the plan on any contributions that were not made (7½% when applicable).

Schedule B

Schedule B shows the allocation of the assets among the Fund's reserve accounts (see Schedule F for Determination of Reserve Balances) and the Fund's liabilities as of January 1, 2009. The liabilities were determined from the actuarial valuation of the System based upon the data submitted by the County.

ASSETS		
Members' Annuity Reserve Account	\$	52,434,240.11
County Annuity Reserve Account	\$	38,086,269.98
Retired Members' Reserve Account	\$	62,317,473.00
Unrealized Depreciation of Assets	\$	(23,701,944.29)
<i>Total Assets, (Market Value) of the Lancaster County Employees' Retirement Fund</i>	<i>\$</i>	<i>129,136,038.80</i>
LIABILITIES		
Actuarial Present Value of:		
Accumulated Plan Benefits		
Vested (1,186)	\$	37,788,818.00
Nonvested (711)	\$	769,355.00
Future Benefit Accruals	\$	56,212,149.00
Terminated Vested Benefits	\$	8,033,541.00
Retired Benefits	\$	62,317,473.00
Member Accumulated Deductions	\$	52,434,240.11
<i>Total Liabilities of the Lancaster County Employees' Retirement Fund</i>	<i>\$</i>	<i>217,555,576.11</i>

Schedule C

Schedule C determines the certified Annual Required Contribution (ARC) of \$7,171,189.00 for 2009 for the Lancaster County Employees' Retirement System.

1. Actuarial Present Value of Projected Future Benefits:		
a. Active Participants		\$ 94,770,322.00
Retirement Benefits	\$ 79,941,402.00	
Termination Benefits	\$ 8,957,252.00	
Death Benefits	\$ 5,871,668.00	
b. Terminated Vested Participants		\$ 8,033,541.00
c. Retired Members and Beneficiaries		\$ 62,317,473.00
Retirement Benefits	\$ 54,202,300.00	
Cost-of-Living Benefits	\$ 8,115,173.00	
d. Member Accumulated Deductions		\$ 52,434,240.11
e. Total (a) + (b) + (c) + (d)		\$ 217,555,576.11
2. Valuation Assets		
Actuarial Value of Plan Assets (see page 13)		\$ 159,134,907.99
3. Present Value of Future County Normal Costs (1e) - (2)		\$ 58,420,668.12
4. Present Value of Future Compensation of Active Members		\$ 640,963,971.00
5. County Normal Cost Accrual Rate (3) / (4)		9.11%*
6. Estimated 2009 Compensation Rate of Members		\$ 78,717,769.00
7. County Normal Cost for 2009 (5) x (6) (Annual Required Contribution (ARC) for 2009)		\$ 7,171,189.00
Notes:		
*The equivalent normal cost accrual rate to be applied to actual 2008 salaries to determine reimbursable expenses is 9.52%.		

Schedule D

The following are notes to Schedules B and C:

Members' Annuity Reserve Account

The balance of \$52,434,240.11 in this account is the total of the contributions deducted from the salaries of the active and terminated vested members of the retirement system and the IRC 414(h)(2) pickup contributions together with the interest additions as of January 1, 2009. Since these accumulations represent the present value as of January 1, 2009, of future benefits, the reserve balance and liability are identical.

County Annuity Reserve Account

The balance of \$38,086,269.98 in this account as of January 1, 2009 and the amounts expected to be credited in the future, plus investment earnings, represent the reserves set aside for the payment of the county's share of the retirement allowances.

This is the account out of which regular interest is credited to the member's annuity and retired members' reserve account, administrative expenses may be paid and the pension obligations of the County are funded.

When a County Annuity is scheduled to commence for a particular member, sufficient monies are transferred from the County Annuity Reserve Account to the Retired Members' Reserve Account to provide for such County Annuities actually entered upon.

Retired Members' Reserve Account

This is the account out of which monthly retirement allowances including cost-of-living increases and death benefits are paid.

The assets allocated to this reserve account as of January 1, 2009 amount to \$62,317,473.00. The corresponding liability for those annuitants on the roll is identical.

Schedule D--Continued

Adjustment for Market Value Fluctuation

In order to reduce the fluctuations in the County normal cost which can result from full recognition of the unrealized appreciation or depreciation of the Fund's securities each year, the value of assets used to determine costs was determined by adjusting the cost value of the assets by the average ratio of market to cost value for the past five years:

RATIO OF MARKET VALUE TO COST VALUE OF ASSETS				
January 1		(1) Cost Value of Assets	(2) Market Value of Assets	Ratio (2) / (1)
2005	\$	124,119,470	\$ 135,430,793	1.0911
2006	\$	137,079,418	\$ 147,767,316	1.0780
2007	\$	143,250,245	\$ 161,657,386	1.1285
2008	\$	163,204,575	\$ 173,570,102	1.0635
2009	\$	152,837,983	\$ 129,136,039	0.8449
Average				1.0412

ACTUARIAL VALUE OF ASSETS JANUARY 1, 2009		
(1) Cost Value of Assets	\$	152,837,983.09
(2) Average Ratio		1.0412
(3) Actuarial Value of Assets (see line 2, page 11)	\$	159,134,907.99

Schedule E

APPROXIMATE RATE OF RETURN FOR 2008 PLAN YEAR			
	<u>Actuarial Value</u>		<u>Market Value</u>
1. Value as of December 31, 2007	\$	175,412,277.58	\$ 173,570,102.35
2. Contributions Received During Year	\$	8,520,770.94	\$ 8,520,770.94
3. Benefits and Expenses Paid During Year	\$	9,669,958.73	\$ 9,669,958.73
4. Value as of December 31, 2008	\$	159,134,907.99	\$ 129,136,038.80
5. Non-Investment Increment: (2) - (3)	\$	(1,149,187.79)	\$ (1,149,187.79)
6. Investment Increment: (4) - (1) - (5)	\$	(15,128,181.80)	\$ (43,284,875.76)
7. Time Weighted Value of Assets: (1) + .5(5)	\$	174,837,683.69	\$ 172,995,508.46
8. Approximate Rate of Return for 2008: (6) / (7)		(8.65)%	(25.02)%

HISTORY OF RATE OF RETURNS

<u>Plan Year</u>	<u>Actuarial Value Rate of Return</u>	<u>Market Value Rate of Return</u>
2007		7.01 %
2006		12.09 %
2005		6.51 %
2004		10.90 %
2003		23.46 %
2002		(8.51) %
2001		0.20 %
2000		(4.87) %
1999		20.81 %
Five Year Average:		1.21 %
Ten Year Average:		3.29 %

Schedule F

Determination of Reserve Balances

	M.A.R.A.	C.A.R.A	R.M.R.A.	TOTAL
Balance 1/1/2008	\$ 48,853,618.43	\$ 56,394,555.91	\$ 57,956,401.00	\$ 163,204,575.34
County Appropriations		4,000,000.00		
Member Contributions	4,392,653.95			
Member Purchases		345.87		
Net Investment Income		(9,217,404.46)		
Investment Expenses		(632,810.54)		
Member Contributions Refunded	(721,726.64)			
Pension Payments			(7,769,763.57)	
Death Benefits			(491,186.23)	
Retiree and Death Benefit Transfers	(2,530,317.98)	(4,035,695.96)	6,566,013.94	
Cost of Living Funding Requirement		(1,383,958.00)	1,383,958.00	
Administrative Expenses		(30,789.00)		
Miscellaneous		127,771.12		
Miscellaneous		(23,682.75)		
Adjustment to reserve accts.	123.01	232.59	(355.60)	
Balance Before Interest	49,994,350.77	45,198,564.78	57,645,067.54	152,837,983.09
Interest Allocated in 2008	2,439,889.34	(4,751,918.71)	2,312,029.37	
Balance Before Actuarial Adjustments	52,434,240.11	40,446,646.07	59,957,096.91	152,837,983.09
Actuarial Adjustments		(2,360,376.09)	2,360,376.09	
Ending Balance 12/31/2008	52,434,240.11	38,086,269.98	62,317,473.00	152,837,983.09
Unrealized Appreciation				(23,701,944.29)
Total Assets (12/31/2008) (Market Value)				129,136,038.80

Schedule G

Membership History

Below is a ten-year history of the Retirement System's membership.

ACTIVE MEMBERS AND VESTED TERMINATED MEMBERS				RETIRED MEMBERS AND BENEFICIARIES		
January 1	Male	Female	Total	Male	Female	Total
2009	765	1,295	2,060	291	662	953
2008	752	1,246	1,998	275	649	924
2007	736	1,222	1,958	267	626	893
2006	750	1,312	2,062	249	473	722
2005	796	1,631	2,427	232	416	648
2004	785	1,596	2,381	214	402	616
2003	773	1,544	2,317	208	386	594
2002	727	1,541	2,268	207	373	580
2001	693	1,449	2,142	204	362	566
2000	680	1,435	2,115	180	303	483

Schedule H

Changes in Plan Participation From January 1, 2008 to January 1, 2009

ACTIVE PARTICIPANTS		
Number as of January 1, 2008		1,828
Changes During Plan Year:		
Retired	(-)	42
Terminated and Vested	(-)	8
Terminated	(-)	124
Died	(-)	3
New Participants	(+)	246
Number as of January 1, 2009		1,897

RETIRED PARTICIPANTS		
Number as of January 1, 2008		924
Changes During Plan Year:		
Returned to Active Service	(-)	1
Died	(-)	24
New Retirements from Active Service	(+)	42
New Surviving Annuitants	(+)	1
Vested Terminated Participants Whose Benefits Commenced	(+)	7
Additions	(+)	4
Number as of January 1, 2009		953

TERMINATED VESTED PARTICIPANTS		
Number as of January 1, 2008		170
Changes During Plan Year:		
Returned to Active Service	(-)	1
Benefits Commenced	(-)	7
Terminated	(-)	7
New Termination's with Vesting	(+)	8
Number as of January 1, 2009		163

Schedule I

Age, Service and Average Salary Profile of the Active Members on January 1, 2009.

MALES -- FULL YEARS OF SERVICE TO JANUARY 1, 2009									
Age	0-4	5-9	10-14	15-19	20-24	25-29	30+	Total	Average Salary
0-19	1	0	0	0	0	0	0	1	\$ 14,705
20-24	27	3	0	0	0	0	0	30	\$ 28,482
25-29	59	20	1	0	0	0	0	80	\$ 35,950
30-34	48	32	14	0	0	0	0	94	\$ 41,405
35-39	25	28	37	15	0	0	0	105	\$ 46,389
40-44	19	19	20	28	11	0	0	97	\$ 52,091
45-49	9	11	17	14	23	3	1	78	\$ 52,919
50-54	12	12	13	14	20	3	6	80	\$ 57,883
55-59	14	20	9	9	4	4	8	68	\$ 49,750
60-64	7	17	7	11	7	7	6	62	\$ 53,850
65 +	5	8	7	7	6	3	2	38	\$ 42,275
Total	226	170	125	98	71	20	23	733	\$ 47,268

Average Age: 43.74
Average Service: 10.61

FEMALES -- FULL YEARS OF SERVICE TO JANUARY 1, 2009									
Age	0-4	5-9	10-14	15-19	20-24	25-29	30+	Total	Average Salary
0-19	1	0	0	0	0	0	0	1	\$ 15,094
20-24	65	0	0	0	0	0	0	65	\$ 26,165
25-29	105	61	0	0	0	0	0	166	\$ 33,910
30-34	63	72	35	5	0	0	0	175	\$ 37,784
35-39	33	42	48	39	2	0	0	164	\$ 39,908
40-44	29	23	20	26	17	3	0	118	\$ 41,650
45-49	24	24	13	17	19	8	4	109	\$ 41,092
50-54	32	25	18	24	19	7	8	133	\$ 42,507
55-59	14	19	18	34	17	7	4	113	\$ 39,703
60-64	14	25	12	13	9	2	5	80	\$ 35,629
65 +	5	11	10	12	1	1	0	40	\$ 31,433
Total	385	302	174	170	84	28	21	1,164	\$ 37,924

Average Age: 41.91
Average Service: 9.62

Schedule J

Actuarial Assumptions and Actuarial Cost Method for Funding Purposes, January 1, 2009.

Actuarial Assumptions

Mortality Rates: The life expectancy of all members (active and retired) is determined in accordance with the mortality rates set forth in the 1983 Group Annuity Mortality Table.

Withdrawal Rates: Members not eligible to retire are assumed to terminate employment in accordance with a percentage of the withdrawal rates set forth in Table T-7 of the Actuary's Handbook. The applicable percentage depends on the member's years of service as follows:

YEARS OF SERVICE	PERCENTAGE
less than 1	300 %
1 but less than 2	275 %
2 but less than 3	250 %
3 but less than 4	225 %
4 but less than 5	200 %
5 but less than 6	175 %
6 or more	100 %

It is further assumed that a percentage of members who terminate after having met the Plan's five year vesting requirement will elect an immediate refund of their own contributions with interest thus forfeiting the County -- provided pension. The applicable percentage is 100% for termination ages up to age 30. After age 30 the applicable percentage is determined as 100% less $(\text{age} - 30) \times 3 \frac{1}{3}\%$. Illustrative percentages are as follows:

AGE	PERCENTAGE
30 or less	100.0 %
35	83.3 %
40	66.7 %
45	50.0 %
50	33.3 %
55	16.7 %

Schedule J--Continued

The following tables set forth illustrative withdrawal rates as determined in accordance with the methodology described on the previous page.

Probability of Withdrawing During Year:

LESS THAN FIVE YEARS OF SERVICE					
Age at Hire	Years of Service				
	0	1	2	3	4
20	.2982	.2720	.2460	.2202	.1947
30	.2791	.2532	.2275	.2021	.1770
40	.2326	.2067	.1814	.1570	.1335
50	.1267	.1013	.0781	.0577	.0407
59	.0086	-	-	-	-

FIVE OR MORE YEARS OF SERVICE		
Age at Beginning of Year	Probability of Withdrawing and Forfeiting County Pension	Probability of Withdrawing and Retaining County Pension
30	.0930	.0000
40	.0517	.0258
50	.0141	.0281
59	.0001	.0028

Schedule J--Continued

Retirement Rates

Members eligible to retire are assumed to retire in accordance with the following rates:

AGE AT BEGINNING OF YEAR	PROBABILITY OF RETIRING DURING YEAR
55-59	.07
60-61	.08
62-64	.15
65	.34
66-70	.23
71-79	.21
80	1.00

Disability Rates

Disability rates are not used.

Investment Return

7½% per annum, compounded annually.

Salary Increases

4.5% per annum.

Valuation Assets

The assets at cost value adjusted by the past five-year average of the market to cost ratio of assets.

Administrative Expenses

Assumed to be paid from the County's general fund and not from plan assets. However, administrative expenses may from year to year be paid from the fund unless it is determined by the actuary that such payment will impair the actuarial soundness of the fund.

Actuarial Cost Method

The Aggregate Actuarial Cost Method of funding was used to determine costs. Under this method, the valuation assets of the plan are subtracted from the present value of all projected benefits. The result, when divided by the present value of future compensation, gives a percentage normal cost factor which is applied to the estimated 2009 compensation of all members to arrive at the normal cost at the beginning of the plan year.

Schedule K

Summary of Plan Provisions

- 1. Effective Date** The effective date of this plan is January 1, 1961.
- 2. Eligibility for Plan Membership** An employee shall be eligible to become a participant immediately upon becoming an employee.
- 3. Accrued Benefit** The Retirement Board has authorized benefits equal to a percentage of the members Final Average Salary for each year of service the member has participated in the following Classes:

<u>CLASS</u>	<u>PERCENTAGE</u>	<u>EFFECTIVE</u>
1/120	0.833%	01/01/1961
1/100	1.000%	01/01/1973
1/80	1.250%	01/01/1977

- 4. Normal Retirement (Superannuation)** *Eligibility:* Retirement occurs at age 60 or at age 55 if the participant has completed 20 years of service.

Pension: A monthly pension equal to (a) and (b), as follows:

- (a) 0.833% of 1/12th of Final "Average" Salary multiplied by years of credited service on the 1/120 Class,
- 1.000% of 1/12th of Final "Average" Salary multiplied by years of credited service on the 1/100 Class,
- 1.250% of 1/12th of Final "Average" Salary multiplied by years of credited service on the 1/80 Class,

PLUS

- (b) a monthly annuity based on the actuarial equivalent of the member's accumulated contributions with credited interest.

Schedule K--Continued

- 5. Final “Average” Salary** The average of the member’s annual compensation received for the three years which produce the highest such average.
- 6. Compensation** Pick-up contributions plus remuneration received as a county employee excluding refunds for expenses, contingency and accountable expense allowances and excluding severance payments or payments for unused vacation or sick leave.
- 7. Early Retirement** *Eligibility:*
- Voluntary:* Upon completion of 20 years of service.
- Involuntary:* Upon completion of 8 years of service.
- Pension:*
- (a) a monthly pension equal to the actuarial equivalent of the benefits calculated in 4(a),
- PLUS
- (b) a monthly annuity based on the actuarial equivalent of the member’s accumulated contributions with credited interest.
- 8. Vesting** One Hundred Percent (100%) upon completion of five years of credited service. A member who terminates employment after five years of credited service will receive a deferred annuity commencing at age 60 (or at age 55 if the member has at least 20 years of service at termination). The deferred benefit shall be calculated using the normal retirement pension formula but based on credited service, final average salary and accumulated contributions at termination.
- If a member terminates employment prior to entitlement to Plan benefits, he will receive his accumulated contributions with interest.
- 9. Postponed Retirement** A member may work past normal retirement age and continue to accrue pension credits.

Schedule K--Continued

10. Disability Retirement

Eligibility: Total and permanent disability prior to Superannuation (Normal Retirement) age and after completion of five years of credited service.

Pension: A total monthly pension commencing on the last day of the month following disability retirement equal to 25% of the 1/12th of Final Average Salary at time of retirement. Such total monthly pension shall include the monthly disability that is actuarially equivalent to the member's accumulated contributions at retirement.

11. Normal Form of Pension

Benefits are payable in the form of a modified cash refund life annuity, that is for the member's lifetime only, except that disability benefits shall cease upon cessation of disability.

12. Optional Retirement Benefits

A member may elect to receive the actuarial equivalent of his retirement benefit as a full cash refund annuity (Option One) or a reduced joint and survivor pension payable for the remainder of his life, with either 100% or 50% of the member's pension continuing after death to the designated beneficiary. A member may also elect to receive, in one payment, the full amount of his accumulated deductions and continue to receive the annuity provided by the county.

13. Death Benefits

(a) Pre-Retirement. If a member dies after having attained age 60 or having completed ten years of credited service, his beneficiary will receive a lump sum equal to the actuarially determined present value of the benefits calculated in (7a) based on the member's Final Average Salary and credited service at time of death plus the member's accumulated contributions with interest at time of death.

(b) Post-Retirement. Upon the death of a terminated or retired member, his beneficiary will receive survivor benefits, if any, in accordance with the form under which benefits were being paid to the member. In any event, the total amount of benefits paid to the deceased member and beneficiary must, at least, equal the member's accumulated contributions with interest.

Schedule K--Continued

14. Employee Contributions

The Retirement Board has authorized each member of the retirement system to individually elect to contribute between 5% and 15% of his salary.

15. Deposit Administrator

Investment Managers:
 C.S. McKee
 Emerald Advisors
 Federated Investors
 Twin Capital Management
 Valley Forge Capital Advisors

Custodian:
 Fulton Financial Advisors
 Union Bank of California

Financial Consultants:
 Pierce Park Group

16. Administration

Retirement Board as designated in Act 96 of 1971, the County Pension Law.

17. Cost-of-Living

The cost-of-living increase shall be reviewed at least once in every three years by the Retirement Board. The Board has granted cost-of-living increases twenty four times in the past from January, 1972 through January, 1999 and since then as follows:

PERCENTAGE CHANGE IN C.P.I.	EFFECTIVE DATE OF INCREASE
100 %	1/1/2000
100 %	1/1/2001
100 %	1/1/2002
100 %	1/1/2003
100 %	1/1/2004
100 %	1/1/2005
100 %	1/1/2006
100 %	1/1/2007
100 %	1/1/2008
95 %	1/1/2009

Schedule L

Historical Trend Information

REVENUES BY SOURCE					
Fiscal Year	Employee Contributions	Employer Contributions	Investment Income	Miscellaneous	Total
1999	\$ 3,327,641	\$ 0	\$ 7,941,741	\$ 0	\$ 11,269,382
2000	3,481,463	0	13,361,910	0	16,843,373
2001	3,688,234	0	4,167,590	0	7,855,824
2002	4,057,335	473,937	1,479,131	0	6,010,403
2003	4,397,880	5,500,000	4,890,185	0	14,788,065
2004	4,643,900	5,500,000	3,303,458	0	13,447,358
2005	4,794,182	7,400,000	9,552,045	0	21,746,227
2006	3,845,434	5,578,535	9,920,591	28,435	19,372,995
2007	4,449,499	4,859,915	19,396,004	34,214	28,739,632
2008	4,393,000	4,000,000	(9,217,404)	127,771	(696,634)

EXPENSES BY TYPE				
Fiscal Year	Benefits	Refunds	Administrative/ Miscellaneous	Total
1999	\$ 2,605,962	\$ 979,387	\$ 443,954	\$ 4,029,303
2000	4,097,014	1,365,848	534,919	5,997,781
2001	4,557,493	1,000,338	678,019	6,235,850
2002	4,004,671	1,022,859	374,229	5,401,759
2003	4,278,349	1,103,765	372,551	5,754,665
2004	4,584,087	1,055,863	416,730	6,056,680
2005	5,831,356	2,484,678	470,245	8,786,279
2006	11,510,773	986,315	705,080	13,202,168
2007	7,100,088	1,114,825	570,389	8,785,302
2008	8,260,950	721,727	687,282	9,669,959