The Report of the June 30, 2001 Actuarial Valuation of the

Public School Retirement System of Missouri

Gabriel, Roeder, Smith & Company



Actuaries & Consultants

3017 Douglas Boulevard • Suite 300 • Roseville, CA 95661 • 916-774-7580

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October 10, 2001

Board of Trustees Public School Retirement System of Missouri 701 W. Main PO Box 268 Jefferson City, MO. 65102

Dear Members of the Board:

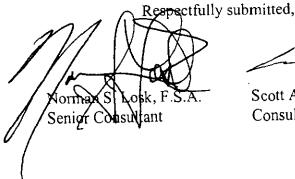
We are pleased to present the report of the actuarial valuation of the Public School Retirement System of Missouri ("PSRS") as of June 30, 2001.

This valuation provides data on the funding status of PSRS and shows that the current contribution level will fund the current benefits of PSRS within the framework of your funding policy.

This valuation is based on the provisions of PSRS in effect as of June 30, 2001, data on the PSRS membership and information on the asset value of the trust fund. All member data and asset information were provided by PSRS staff. While certain checks for reasonableness were performed, the data was used unaudited.

The actuarial cost method is that used in the actuarial valuation of PSRS as of June 30, 2000. The actuarial assumptions used herein are those adopted by the Board at its meeting on January 14, 2001.

To the best of our knowledge, this actuarial statement is complete and accurate, and has been prepared in accordance with generally accepted actuarial principles and practice.



Scott A. Terando, A.S.A. Consultant

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SUMMARY OF THE VALUATION

At your request we have performed the actuarial valuation of the Public School Retirement System of Missouri ("PSRS") as of June 30, 2001.

The purposes of an actuarial valuation are as follows:

- To determine the funding status of PSRS as of the valuation date,
- To establish that the current contribution level of PSRS will fund the current benefit provisions within the framework of your funding policy, and
- To provide accounting and other data required by PSRS.

Report Highlights

The key results of the valuation are summarized in the following table:

	June 30, 2000	June 30, 2001
	(\$ in M	illions)
A. SUMMARY OF RESULTS		
(1) Present Value of Future Benefits for:		
(a) Active Members	\$17,314.3	\$17,376.5
(b) Retired members	7,801.8	9,504.9
(c) Inactive Members and Other Liabilities	183.5	250.0
(d) Total	25,299.6	27,131.4
(2) Present Value of Future Normal Costs	7,020.5	5,849.2
(3) Actuarial Accrued Liability: $(1) - (2)$	18,279.1	21,282.2
(4) Actuarial Value of Assets	19,437.2	21,146.3
(5) Unfunded Actuarial Accrued Liability: $(3) - (4)$	(1,158.1)	135.9
(6) Total Contribution Rate, Member + Employer	21.00%	21.00%
(7) Normal Cost Rate	21.40%	20.46%
 (8) Approximate Rate Available for Unfunded Actuarial Accrued Liability: (6) – (7) 	(.40%)	.54%
(9) Number of Years Required to Amortize (5) if Compensation Increases 5.0% per year	N/A	7.2

	June 30, 2000	June 30, 2001
B. HIGHLIGHTS OF REPORT		
(1) Actuarial Accrued Liability Funding Ratio:		
(a) Actuarial Value of Assets	\$19,437.2	\$21,146.3
(b) Actuarial Accrued Liability	18,279.1	21,282.2
(c) Funding Ratio: (a) / (b)	106.3%	99.4%
(2) Active Members:		
(a) Number:		
Male	17,267	17,283
Female	<u>54,439</u>	<u>55,405</u>
Total	71,706	72,688
(b) Total Compensation for Fiscal Year (for Active		
Members at end of year):		
Male	\$ 768.2	\$ 793.8
Female	2,067.8	2,188.3
Total	2,836.0	2,982.1
(c) Average Age:		
Male	43.0	42.8
Female	$\frac{42.3}{42.5}$	<u>42.2</u>
Total	42.5	<u>42.2</u> 42.4
(d) Average Service:		
Male	12.7	12.1
Female	$\frac{11.2}{11.6}$	<u>11.1</u>
Total	11.6	11.3
(e) Average Compensation for Fiscal Year		
(not in millions):		
Male	\$44,521	\$45,928
Female	<u>38,014</u>	39,496
Total	39,581	41,025
(f) Average Amount of Assets per Active Member		
(based on actuarial value, not in millions)	\$159,706	\$158,586
(3) Retired Members and Beneficiaries		
(a) Number Service Retired:		
Life Annuities	14,470	15,233
Options	<u>10,289</u>	<u>11,406</u>
Total	24,759	26,639
(b) Number Disability Retired	580	596
(c) Number Survivors, Beneficiaries	<u>1,899</u>	1,999
(d) Total Persons Receiving Benefits	27,238	29,234
(e) Average Monthly Pension Being Paid at		
Valuation Date for New Service Retired,		
Including Options (not in millions)	\$ 2,684	\$ 2,775
(f) Average Amount of Assets per Retired Member		
(based on actuarial value, not in millions)	\$286,432	\$325,132
(g) Average Amount of Assets per New Service		
Retired (based on actuarial value, not in		
millions)	\$452,582	\$479,805

ACTIVE AND INACTIVE MEMBERSHIP

A total of 81,618 active and inactive members of PSRS are included in this 2001 actuarial valuation.

Active members	72,688
Inactive members	<u> </u>
Total active and inactive members	81,618

Between the 2000 and 2001 actuarial valuations, the number of active employees increased by 982 or

1.4%. The average annual salaries of employees increased by 3.6% to \$41,025.

Summary of Changes in Membership

	Male	Female	Total
Active and Inactive Members 7/1/00	18,708	60,737	79,445
New Membership 7/1/00 to 6/30/2001 Total Membership Before Decreases	$\frac{1,722}{20,430}$	<u>5,586</u> 66,323	<u>7,308</u> 86,753
Decreases:			
Service Retirements	868	1,760	2,628
Disability Retirements	6	38	44
Withdrawals	538	1,613	2,151
Deaths	21	43	64
Other Terminations	36	180	216
Previous Memberships Voided	7	25	32
Reciprocity	0	0	0
Subtotal	1,476	3,659	5,135
Net membership 6/30/01 (includes Inactive Members)	18,954	62,664	81,618

Benefit Recipients

On June 30, 2001, PSRS was paying benefits to a total of 29,234 retired members, beneficiaries and survivors. The total number of benefit recipients increased 7.3% from 27,238 on June 30, 2000. The benefit recipients were comprised of 26,639 service retirees, 596 disability retirees, 1,999 beneficiaries and survivors.

There are two classes of retired members – members retired because of service and members retired because of disability.

	Service Retirements	Disability Retirements	Beneficiaries	Total
Retired Members, July 1, 2000	24,759	580	1,899	27,238
Added During Year	2,628	44	184	2,856
Died During Year	(749)	(27)	(75)	(851)
Resumed Teaching During Year	(10)	(2)	(14)	(26)
Resumed Retirement	11	1	5	<u> </u>
Retired Members, June 30, 2001	26,639	596	1,999	29,234

The changes among the retired group of members during the 2000-2001 year were as follows:

As of June 30, 2001, the average monthly benefit payable to service retirees was \$2,306 compared to \$2,097 as of June 30, 2000. These average benefit amounts and the amounts shown in the tables that follow include all post-retirement benefit increases and all legislated increases to benefit recipients in 2001.

Actuarial Assumptions

The actuarial cost method used in this valuation is that disclosed in the actuarial valuation report as of June 30, 2000.

The actuarial assumptions used in this valuation are those adopted by the Board at its January, 2001 meeting. This set of assumptions is described in Appendix E.

The impact of the new assumptions on results of the June 30, 2000 valuation are summarized below:

	Old Assumptions	New Assumptions
Normal Cost Rate	21.40%	20.00%
AAL (in Millions)	\$18,279.10	\$19,106.20
Act. Val. Assets	19,437.20	19,437.20
UAAL	(1,158.10)	(331.10)
Funding Ratio	106.34%	101.73%
Total Contribution Rate (30 Yr. Amort.)	19.42%	19:44%

Overall the system experienced a net actuarial gain of about \$34.5 million.

While the favorable markets of the prior six years has turned, the use of a smoothing technique in valuation of assets has resulted in a small actuarial gain from investments. The total net actuarial gain is determined as the total of the gain from assets and the gain from liabilities, as is shown below:

	(\$ in millions)
1. Actuarial Gain on Assets (at actuarial value)	(288.3)
2. Actuarial Loss on Liabilities	<u>253.8</u>
3. Total Actuarial (Gain) or Loss (1+2)	(34.5)

PSRS Benefits

The following changes in the benefit structure of PSRS were legislated in 2001:

- A. Benefit Level For those retiring before July 1, 2008 with 31 or more years of service, the benefit rate for all years of service is increased to 2.55%.
- -B. COLA Wait For members retiring on or after July 1, 2001, the first COLA adjustment is made on the second January following retirement.
- C. Ad Hoc Adjustment Provides an increase of \$3.00 per year of service for those who retired prior to July 1, 2001.
 - D. Survivor Benefits Surviving spouses of deceased members whose benefit ceased prior to August 28, 1995 due to remarriage will have benefits reinstated.

Based on this actuarial valuation, the impact of these changes in PSRS benefit structure on the actuarial accrued liability ("AAL") of the system is as follows:

	Active Members	(\$ in Millions) Inactive / Retired	Total
AAL Before Changes AAL After Changes	\$11,215.1 11,527.3	\$9,436.8 9,754.9	\$20,651.9 21,282.2
Impact of Changes	312.2	318.1	630.3

Asset Information

The market value of the assets of the fund, which are available for benefits, has been reduced from \$20.7 billion as of June 30, 2000 to \$20.2 billion as of June 30, 2001. Due to the smoothing inherent in the determination of the actuarial value of assets, there was an increase in the actuarial value of assets from nearly \$19.4 billion to about \$21.1 billion. As of June 30, 2001, the actuarial value of assets is now greater than the market value.

Based on the actuarial value, the assets of the fund returned about 9.5%. This is due to investment gains of prior years whose recognition has been deferred.

The detailed determinations of asset values utilized in this valuation and asset growth in the last year are set out in Appendix B.

Funding Status

The funding status of PSRS is measured by the Funding Ratio. The Funding Ratio is the ratio of the assets available for benefits to a benefit liability measure for the System. While there are several such measures that could be appropriately used, the measure that ties most closely to your funding plan is the Actuarial Accrued Liability ("AAL").

The PSRS actuarial accrued liability funding ratio grew from 106.3% at June 30, 2000 to 102.4% at June 30, 2001 before the 2001 legislation, and to 99.4%%, including the legislation.

GASB Disclosure

PSRS is now producing its accounting statements under the terms of GASB Statement Number 25. In Table 20, you will find Required Supplemental Information mandated by that statement.

APPENDICES

APPENDIX A MEMBERSHIP DATA

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Number, Average Age-Service-Salary, and Total Payroll of Active Members Included in Actuarial Valuations

MALE

	Actuarial Valuation as of June 30						
Item	1997	1998	1999	2000	2001		
Number	16,656	17,003	17,197	17,267	17,283		
Average Age	43.8	43.3	43.1	43.0	42.8		
Average years of Service	13.8	13.4	12.9	12.7	12.1		
Average Annual Salary	\$41,406	\$42,694	\$43,233	\$44,521	\$45,928		
Total Payroll (000's)	\$689,482	\$725,926	\$743,478	\$768,210	\$793,780		

FEMALE

	Actuarial Valuation as of June 30						
Item	1997	1998	1999	2000	2001		
Number	49,800	51,706	52,895	54,439	55,405		
Average Age	42.2	42.2	42.3	42.3	42.2		
Average years of Service	11.5	11.4	11.3	11.2	11.1		
Average Annual Salary	\$34,899	\$35,811	\$36,806	\$38,014	\$9,496		
Total Payroll (000's)	\$1,737,947	\$1,851,668	\$1,946,875	\$2,067,848	\$2,188,271		

TOTAL

	Actuarial Valuation as of June 30						
Item	1997	1998	1999	2000	2001		
Number	66,456	68,709	70,092	71,706	72,688		
Average Age	42.5	42.5	42.5	42.5	42.4		
Average years of Service	12.1	11.9	11.7	11.6	11.3		
Average Annual Salary	\$35,343	\$37,514	\$38,383	\$39,581	\$41,025		
Total Payroll (000's)	\$2,427,429	\$2,577,594	\$2,690,353	\$2,836,058	\$2,982,051		

	Years of Service							
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 & Over	Total
20-24	1,911	-	-	-	-	-	-	1,911
25-29	7,717	1,596	-	-	-	-	-	9,313
30-34	3,630	4,784	873	-	-	-	-	9,287
35-39	2,717	2,107	2,701	870	-	-	-	8,395
40-44	2,299	2,030	1,747	2,398	1,077	-	-	9,551
45-49	2,112	2,167	1,916	1,576	3,031	1,481	-	12,283
50-54	1,683	1,790	1,947	1,734	1,884	3,226	968	13,232
55-59	806	721	899	995	1,056	907	927	6,311
60-64	244	206	252	300	321	269	318	1,910
65 & Over	77	46	45	58	62	71	101	460
Unknown	35							35
Total	23,231	15,447	10,380	7,931	7,431	5,954	2,314	72,688

Employee Distribution by Age and Years of Service June 30, 2001

Table 2

Salary Distribution Employees in Active Service on June 30, 2001

Annual Salary	Number	Percent
Under \$20,000	4,082	5.6%
\$20,000-24,499	1,763	2.4%
\$25,000-29,999	7,668	10.5%
\$30,000-34,999	12,753	17.5%
\$35,000-39,999	12,580	17.3%
\$40,000-44,999	9,957	13.7%
\$45,000-49,999	7,226	9.9%
\$50,000-54,999	4,869	6.7%
\$55,000-59,999	3,599	5.0%
\$60,000 & Over	<u>8,191</u>	<u>11.3%</u>
Total	72,688	100.0%

Based on compensation actually paid during the plan year.

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Service in		Increase ge Salary	
2000	Number	Expected	Actual
1-4	18,699	8.4%	8.4%
5-9	13,863	6.7%	7.2%
10-14	10,217	5.0%	6.2%
15-19	7,520	5.0%	5.5%
20 & Over	<u>14,516</u>	<u>5.0%</u>	<u>5.2%</u>
Total	64,815	6.1%	6.9%

Salary Increase Rates by Service Group Employees in Both 2000 & 2001 Actuarial Valuations

History of System's Growth Active and Inactive Membership

June 30	Females	Males	Inactives	Total
1947	15,787	4,412	0	20,199
1948	14,754	4,854	4,039	23,647
1949	15,120	5,502	6,601	27,223
1950	15,104	6,195	7,483	28,782
1955	16,397	6,365	3,923	26,685
1960	18,644	8,690	2,925	30,259
1965	22,191	12,018	2,990	37,199
1970	29,374	16,206	4,246	49,826
1975	33,465	20,148	3,354	56,967
1980	35,758	19,949	3,613	59,320
				·
1985	36,056	18,407	3,005	57,468
1986	36,693	18,221	3,035	57,949
1987	37,639	18,159	3,141	58,939
1988	37,911	16,117	3,537	57,565
1989	39,021	16,177	3,543	58,741
	,	•		,
1990	39,802	16,086	3,773	59,661
1991	40,882	16,026	4,067	60,975
1992	41,853	15,858	4,335	62,046
1993	42,825	15,668	4,705	63,198
1994	44,714	15,881	5,009	65,604
		-		,
1995	46,681	16,173	5,328	68,182
1996	48,184	16,440	5,894	70,518
1997	49,800	16,656	6,373	72,829
1998	51,706	17,003	6,799	75,508
1999	52,895	17,197	7,278	77,370
2000	54,439	17,267	7,739	79,445
2001	55,405	17,283	8,930	81,618
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Monthly Amount	Service	Disability	Beneficiary	Survivor	Total
				. <u> </u>	
Less than \$500	1,033	9	115	33	1,190
\$500 - 999	2,057	91	407	273	2,828
\$1,000 - 1,499	3,594	229	394	44	4,261
\$1,500 - 1,999	5,749	158	260	13	6,180
\$2,000 - 2,499	4,477	72	198	4	4,751
\$2,500 - 2,999	3,790	31	122	-	3,943
\$3,000 - 3,499	2,767	4	73	-	2,844
\$3,500 & Over	3,172	2	63	-	3,237
Total	26,639	596	1,632	367	29,234

Pensions in Force on June 30, 2001 by Type and Monthly Amount

Pensions in Force on June 30, 2001

by Type and AgeServiceDisabilityBeneficiarySurvivor1,64517251137

Under 55	1,645	172	51	137	2,005
55-59	3,995	92	55	23	4,165
60-64	4,764	71	112	23	4,970
65-69	4,384	67	198	33	4,682
70-74	3,856	68	262	32	4,218
75-79	2,710	41	311	29	3,091
80-84	2,332	41	238	31	2,642
85-89	1,593	31	184	32	1,840
90 & Over	1,360	13	221	27	1,621
Total	26,639	596	1,632	367	29,234

Age

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Total

Cost of Living Increases to Retired Members June 30, 2001

Retirement In	First Increase Eff. Date	First % Increase	Total Increases Through January 2001	January 2002 Increase	Total Increases Through January 2002	Number of Retirees at 6/30/01
1973&Earlier	Jan. 1977	2.0%	80.00%	0.00%	80.00%	933
1974	Jan.1978	2.0	80.00	0.00	80.00	264
1975	Jan.1979	2.0	80.00	0.00	80.00	345
1976	Jan.1980	2.0	80.00	0.00	80.00	479
1977	Jan.1981	4.0	80.00	0.00	80.00	436
1978	Jan.1982	4.0	80.00	0.00	80.00	493
1979	Jan.1983	4.0	76.35	2.07	80.00	452
1980	Jan.1984	2.6	70.84	3.30	76.48	481
1981	Jan.1985	4.0	67.25	3.30	72.77	597
1982	Jan.1986	3.7	61.72	3.30	67.06	672
1983	Jan.1987	1.7	56.62	3.30	61.79	548
1984	Jan.1988	3.7	54.34	3.30	59.43	596
1985	Jan.1989	4.0	49.09	3.30	54.01	696
1986	Jan.1990	4.0	43.63	3.30	48.37	807
1987	Jan.1991	4.0	38.10	3.30	42.66	785
1988	Jan.1992	4.7	32.79	3.30	37.17	955
1989	Jan.1993	3.1	26.83	3.30	31.02	846
1990	Jan.1994	3.0	23.02	3.30	27.08	963
1991	Jan.1995	2.5	19.44	3.30	23.38	1,024
1992	Jan.1996	3.0	16.52	3.30	20.37	1,189
1993	Jan.1997	2.8	13.08	3.30	16.81	988
1994	Jan.1998	2.3	10.05	3.30	13.68	1,096
1995	Jan.1999	1.7	7.57	3.30	11.12	1,302
1996	Jan.2000	2.0	5.77	3.30	9.26	1,754
1997	Jan.2001	3.7	3.70	3.30	7.12	1,712
1998	Jan.2002			3.30	3.30	1,930
1999	Jan.2003					2,122
2000	Jan.2003					2,641
2001						129
Total						27,235

Notes:

1. Total Increases do not include catch-up increase for 1972 and earlier retirees. Expressed as a percentage of the original benefit amount.

- 2. Number of Retired Members does not include beneficiaries of deceased Members.
- 3. The Total Increase was limited by the 56% maximum through August 27, 1994
- 4. 1991 was the first year of compounding increases.

Analysis of Retired Membership by Type of Benefit					
(Dollar Amounts in Millions)					
June 30, 2001					

Type of Benefit	Number	Annual Benefit	Total Liability
Service Retirees			
Options 1 & 10 (Life Only)	15,233	385.0	4,172.9
Options 2 & 21 (100%J&S with Pop-Up)	5,900	184.5	2,689.4
Option 3 & 31 (75% J&S with Pop-Up)	899	31.7	473.3
Option 4 (50% J&S with Pop-Up)	2,272	72.1	955.5
Option 5 (10 Years Certain & Life)	309	9.6	134.5
Option 6 (5 Years Certain & Life)	67	2.0	27.8
Option 20 (100% J & S)	1,267	34.5	409.2
Option 30 (75% J & S)	27	1.0	15.9
Option 40 (50% J & S)	665	16.8	143.7
Total	26,639	737.2	9,022.2
Disability Retirees	596	11.2	100.3
Beneficiaries of Retiree Deaths	1,632	32.5	296.7
Survivors of Active Deaths	367	4.3	27.9

Note: Excludes retirees returned to teaching and additional deposit annuities. Benefit amounts include an estimate of the retiree benefit increases contained in SB 860.

History of System's Growth Service Retired

June 30	Females	Males	Total Retired	Total Monthly Pensions	Average Monthly Pensions	Average New Pension Granted
1947 1948	225 297	87 129	312 426	\$ 10,400 14,028	\$ 33.33 32.93	
1949	364	129	512	16,392	32.02	
1950	404	143	512	18,469	33.52	
1955	919	296	1,215	62,552	51.48	
1755		200	1,210	02,552	51.40	
1960	1,642	447	2,089	175,481	84.00	
1965	2,536	621	3,157	387,400	122.71	
1970	4,410	979	5,389	1,031,403	191.39	
1975	7,591	1,539	9,130	2,780,854	304.58	\$ 417 Mo.
1980	10,056	2,243	12,299	4,950,552	402.52	565
		·				
1985	11,307	3,227	14,534	8,153,600	561.00	900
1986	11,488	3,476	14,964	9,026,630	603.22	994
1987	11,684	3,810	15,494	10,099,084	651.81	1,123
1988	11,857	4,054	15,911	11,202,662	704.08	1,191
1989	12,117	4,345	16,462	12,412,178	753.99	1,142
1990	12,288	4,591	16,879	13,926,237	825.06	1,338
1991	12,500	4,883	17,383	15,535,235	893.70	1,442
1992	12,695	5,208	17,903	17,748,286	991.36	1,555
1993	13,071	5,547	18,618	19,647,453	1,055.29	1,549
1994	13,166	5,797	18,963	21,564,088	1,137.17	1,673
1995	13,343	6,081	19,424	23,563,044	1,213.09	1,898
1996	13,658	6,417	20,275	27,698,314	1,379.74	2,007
1997	14,716	6,424	21,140	31,431,017	1,486.80	2,005
1998	14,805	7,364	22,169	37,876,023	1,708.51	2,300
1 999	15,551	7,835	23,386	45,132,257	1,929.88	2,488
2000	16,360	8,399	24,759	51,928,849	2,097.37	2,684
2001	17,584	9,055	26,639	61,434,862	2,306.20	2,775

Notes: Excludes retirees returned to teaching. Counts and amounts reported as being paid at valuation date, including options.

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History of System's Growth Disability Retired

June 30	Females	Males	Total Retired	Total Monthly Pensions	Average Monthly Pensions	Average New Pension Granted
1947	7	4	11	\$ 262	\$ 23.82	
1948	10	3	13	303	23.31	
1949	18	4	22	567	25.77	
1950	27	5	32	817	25.53	
1955	65	23	88	4,762	54.11	
1960	117	29	146	13,453	92.14	
1965	172	41	213	26,928	126.42	
1970	211	55	266	47,228	177.55	
1975	308	96	404	123,569	305.86	\$ 420 Mo.
1980	367	125	492	191,695	389.62	524
1985	406	143	549	291,619	531.18	834
1986	412	139	551	309,378	561.48	916
1987	413	143	556	323,649	582.10	884
1988	400	142	542	339,710	626.77	1,096
1989	394	149	543	362,423	667.45	1,088
1990	396	156	552	394,564	714.79	1,061
1991	402	153	555	420,031	756.81	1,257
1992	391	154	545	449,376	824.54	1,144
1993	400	160	560	484,265	864.76	1,178
1994	392	164	556	511,353	919.70	1,281
1995	395	163	558	533,106	955.39	1,377
1996	407	160	567	605,823	1,068.47	1,424
1997	413	153	566	626,626	1,107.11	1,366
1998	413	148	561	695,710	1,240.12	1,483
1999	424	145	569	776,500	1,364.67	1,740
2000	439	141	580	837,745	1,444.39	1,550
2001	456	140	596	929,492	1,559.55	1,728

Notes: Counts and amounts reported as being paid at valuation date including options.

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APPENDIX B ASSET INFORMATION

I

Market Value of Assets Balance Sheet

	June 30, 2000	June 30, 2001
ASSETS:		
Cash	\$ 53,845,475	\$ 44,618,63
Contribution Receivable	88,622,257	101,777,075
Accrued Interest and Dividends	81,277,105	77,268,442
Investments	21,118,184,341	20,368,878,935
Trades Pending	1,055,905,372	391,226,373
Other Assets	284,592	242,909
Furniture & Equipment	3,417,383	8,021,343
Due from NTRS	66,588	74,122
Total	\$22,401,603,113	\$20,922,107,832
LIABILITIES:		
Accounts Payable	\$ 5,465,444	\$ 6,399,433
Employer-Pay Liability	229,539	233,659
Interest Payable	344,843	245,545
Trades Pending	1,676,347,259	801,538,387
Other Liabilities	19,012	2,175
Total	\$ 1,682,406,097	\$ 808,419,199
NET ASSETS	\$20,719,197,016	\$20,183,688,633

.

Statement of Revenue and Expenses Market Value Reconciliation For Fiscal Year Ended June 30, 2001

	Amount
Operating Revenues	
Contributions:	
Employers	\$ 324,525,673
Members	335,275,218
Total contributions	\$ 659,800,891
Net Investment Income:	
Interest	392,923,190
Dividends	84,962,026
Income from Security Lending Activities	12,156,898
Total Investment Income	\$490,042,114
Net Capital Appreciation (Depreciation)	(875,072,915)
Less: Investment Expenses	(22,141,134)
Total Investment Return	\$(407,171,935)
Other Income	809,584
Total Operating Revenues	\$253,438,540
Operating Expenses	
Benefit Payments	749,891,078
Refunds to Members	35,046,720
Administrative Expenses	3,994,691
Other	14,434
Total Operating Expenses	\$788,946,923
Excess of Revenues over Expenses	(535,508,383)
Fund Balance, June 30, 2000	\$20,719,197,016
Fund Balance, June 30, 2001	<u>\$20,183,688,633</u>

Ta	ble	14
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Growth of Cash Flow (In Thousands)

		Payments During the Year					
Year Ending June 30,	Contributions for the Year	Benefit Payments and Refund of Contributions	Expenses	Total	External Cash Flow for the Year	Covered Payroll	Payments as Percent of Covered Payroll
1985	\$225,110	\$(126,132)	\$ (1,619)	\$(127,751)	\$ 97,356	\$1,217,900	10.5%
1986	244,906	(139,297)	(1,780)	(141,077)	103,829	1,319,801	10.7
1987	264,224	(150,138)	(2,120)	(152,258)	111,966	1,429,429	10.7
1988	293,698	(266,431)	(2,377)	(268,808)	24,890	1,446,485	18.6
1989	309,266	(180,012)	(3,357)	(183,369)	125,897	1,556,775	11.8
1990	328,173	(215,429)	(3,850)	(219,279)	108,894	1,652,719	13.3
1991	345,827	(229,330)	(4,800)	(234,130)	111,697	1,750,191	13.4
1992	359,208	(245,365)	(5,583)	(250,948)	108,260	1,809,458	13.9
1993	370,317	(270,529)	(6,556)	(277,085)	93,232	1,867,948	14.8
1994	397,622	(290,636)	(7,623)	(298,259)	99,363	1,996,908	14.9
1995	433,990	(320,343)	(9,760)	(330,103)	103,887	2,137,134	15.4
1996	488,484	(372,954)	(12,468)	(385,422)	103,062	2,283,994	16.9
1997	516,694	(426,029)	(3,867)	(429,896)	86,798	2,427,429	17.7
1998	562,350	(471,259)	(2,827)	(474,087)	88,264	2,577,594	18.4
1999	589,882	(565,662)	(3,141)	(568,803)	21,079	2,690,007	21.0
2000	624,524	(675,079)	(3,712)	(678,791)	(54,267)	2,836,065	(1.9)
2001	658,801	(784,938)	(4,009)	(788,947)	(129,146)	2,982,051	(4.3)

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Development of the Actuarial Value of Assets

1.	Valuation Assets June 30, 2000		\$19,437,222,716
2.	Activity for FY 2001 a. Contributions b. Benefits and Expenses c. Net Cash Flow	\$ 659,800,891 (788,946,923) (129,146,032)	-
3.	Expected Returns	1,549,911,356	
4.	Valuation Assets Before Allocation of G/L (1+2+3))	20,857,988,040
5.	Actual Returns for 2001	(407,171,935)	
6.	Excess Returns for 2000 (5-3)	(1,957,083,291)	
7.	Recognized Excess Returns 2001 2000 1999 1998 . 1997	(391,416,658) 16,068,450 119,365,867 315,314,290 228,974,319	
	Total		288,306,268

8. Actuarial Value of Assets June 30, 2001

\$21,146,294,308

.

History of System's Reserve Funds

			nployers	Total Funds
1947 \$ 742	2,243	\$	708,600	\$ 1,450,843
1948 1,935			852,813	3,788,634
1949 3,126			088,379	6,214,396
1950 4,369		4	408,943	8,778,245
1955 13,385	5,088	15,	759,437	29,144,525
1960 36,020),644	41,	,003,061	77,023,705
1965 77,557	7,922	92	,561,889	170,119,811
1970 153,235	5,184	205,	806,370	359,041,554
1975 298,115	5,841	438,	387,902	736,503,743
1980 595,125	5,851	817,	002,549	1,412,128,400
1985 1,074,474	1,872	1,779	,172,019	2,853,646,891
1986 1,199,080),656	2,073	,456,154	3,272,536,810
1987 1,333,786	5,497	2,415	,732,721	3,749,519,218
1988 1,427,755	5,173	2,745	,290,213	4,173,045,386
1989 1,605,333	1,167	3,164	,741,308	4,770,072,475
1990 1,780,289	9,109	3,625	,499,691	5,405,788,800
1991 1,983,630),527	4,095	,234,736	6,078,865,263
1992 2,191,27	7,064	4,663	,290,911	6,854,567,975
1993 2,384,400	5,117	5,378	,325,303	7,762,731,420
1994 2,616,067	7,465	6,561	,002,730	9,177,070,195
1995 2,856,389	9,033	7,336	,694,489	10,193,083,522
1996 3,098,44	7,617	8,412	,177,685	11,510,625,302
1997 3,312,090),156	9,787	,128,615	13,099,218,771
1998 3,541,459	9,187	11,437	,899,111	14,979,358,298
1999 3,765,853	3,678	13,444	,016,205	17,209,869,883
2000 3,976,059	9,124	15,461	,163,652	19,437,222,776
2001 4,129,190	0,609	17,017	,103,699	21,146,294,308

Book Value prior to 1994, five-year average of adjusted market values after 1993.

APPENDIX C ACTUARIAL DETERMINATIONS

Public School Retirement System of Missouri Actuarial Valuation as of June 30, 2001

Table 17

Ten Year Historical Summary (All Dollar Figures in Thousands)

		1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Active Members	57,711	58,493	60,595	62,854	64,624	66,456	68,709	70,092	71,706	72,688
	Retired Members	19,178	19,519	19,982	20,642	21,706	22,730	23,955	25,339	27,238	29,234
	Actuarial Assets	\$6,878,981	\$7,787,379	\$9,177,070	\$10,193,084	\$11,510,625	\$13,099,219	\$14,979,358	\$17,209,870	\$19,437,223	\$21,146,294
	UAAL	1,493,068	1,169,109	792,689	788,738	721,121	(650,041)	(508,309)	(836,726)	(1,158,110)	135,909
	Benefit Payments and Refunds	(245,365)	(270,529)	(290,636)	(320,343)	(372,954)	(425,848)	(474,087)	(568,803)	(675,079)	(784,938)
•	Accumulated Members' Contributions	\$2,191,277	\$2,384,406	\$2,616,067	\$2,856,389	\$3,098,448	\$3,312,090	\$3,541,459	\$3,765,854	\$3,976,059	\$4,129,191
	APV of Retirees' Benefits	\$2,635,808	\$2,980,210	\$3,206,061	\$3,705,807	\$4,265,851	\$4,553,628	\$5,523,768	\$6,603,148	\$7,801,845	\$9,504,9 21

Determination of Normal Cost June 30, 2001 For the 2002 Plan Year

	Before Legi	slation	After Legislation	
	Dollar	Rate	Dollar	Rate
Active Members				
Retirement Benefits	\$536,969,380	18.13%	550,603,559	18.59%
Termination Benefits	42,093,004	1.42	42,404,008	1.43
Death Benefits	6,734,882	0.23	6,857,369	0.23
Disability Benefits	<u>6,087,727</u>	<u>0.21</u>	<u>6,245,629</u>	0.21
Total Normal Cost	\$591,884,993	19.99%	\$606,110,565	20.46%
Estimated Employee Contributions	310,943,998		<u>310,943,998</u>	
Employer Normal Cost				
(Total Normal Cost less Employee Contributions)	\$280,940,995		\$295,166,567	

Determination of the Unfunded Actuarial Accrued Liability June 30, 2001

	Before Legislation	After Legislation
Active Members:		
Service Retirement	\$11,147,914,334	\$11,455,636,952
Termination Benefits	(58,519,204)	(57,610,241)
Death Benefits	67,126,518	69,085,749
Disability Benefits	58,549,678	60,172,318
Inactives	245,916,259	249,997,164
Total for Active and Inactive Members	\$11,460,987,585	\$11,777,281,942
Pay Status Members:		
Service Retirees	8,733,310,177	9,031,172,024
Disability Retirees	97,678,894	100,560,758
Survivors	311,336,319	324,605,784
Tax-sheltered Annuitants	1,369,729	1,369,729
Death Benefit	47,213,148	47,213,148
Total for Pay Status Members	9,190,908,267	9,504,921,443
Total Actuarial Accrued Liability	20,651,895,852	21,282,203,385
Actuarial Value of Assets	21,146,294,308	21,146,294,308
Total Unfunded Actuarial Accrued Liability	\$(494,398,456)	\$135,909,077

Table 20 GASB 25 Exhibits

Schedule of Funding Progress (\$ in 000's)

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)	
6/30/95	10,193,084	10,981,822	788,738	92.8	2,137,134	36.9	
6/30/96	11,510,625	12,231,746	721,121	94.1	2,283,994	31.6	
6/30/97	13,099,219	12,449,178	(650,041)	105.2	2,427,429	(26.8)	
6/30/98	14,979,358	14,471,049	(508,309)	103.5	2,577,594	(19.7)	
6/30/99	17,209,870	16,373,144	(836,726)	105.1	2,690,007	(31.1)	
6/30/00	19,437,223	18,279,113	(1,158,110)	106.3	2,836,062	(40.8)	
6/30/01	21,146,294	21,282,203	135,909	99.4	2,982,051	4.6	
		Schedule of I	Employer Contri	ibutions			
Actuarial	Valuation Dat	e <u>Annual R</u>	equired Contrib	ution	Percenta	ge Contributed	
6	/30/95		211,865,902			100.0	
6	/30/96		238,630,542			100.0	
6	/30/97		251,957,622			100.0	
6/30/98			273,125,719			100.0	
6/30/99			287,698,736			100.0	
6/30/00			304,944,352			100.0	
6	/30/01		324,525,673			100.0	

Notes in Trend Data:

Information:	Data
Valuation Date	6/30/01
Actuarial Cost Method	Entry Age Normai
Amortization Method	Level Percent, Open
Remaining Amortization Period (years)	N/A
Asset Valuation Method	5-Year Smoothed Market
Actuarial Assumptions:	
Investment rate of return	8.0%
Projected salary increases	5.0%-10.0%
Cost-of-living adjustments	3.5%

Calculation of Unfunded Actuarial Accrued Liability June 30, 2001

	Amount
(1) Present Value of Future Benefits for:	
Active Members	\$17,376,515,553
Service Retirees	9,031,172,024
Disability Retirees	100,560,758
Tax-sheltered Annuitants	1,369,729
Survivors	324,605,784
Death Benefits	47,213,148
Inactive Members	249,997,164
Total	27,131,434,160
(2) Present Value of Future Normal Costs	5,849,230,775
(3) Actuarial Accrued Liability ((1)-(2))	21,282,203,385
(4) Actuarial Value of Assets	21,146,294,308
(5) Unfunded Actuarial Accrued Liability ((3)-(4))	\$ 135,909,077

Required Contribution Rate & Amortization of Unfunded Liability June 30, 2001

_	Percentage of Payroll
(1) Total Contribution Rate, Member + Employer	21.00%
(2) Normal Cost Rate	20.46
(3) Approximate Rate Available for Unfunded Actuarial Accrued Liability ((1)-(2))	0.54
(4) Number of Years Required to Amortize Unfunded Actuarial Accrued Liability	7.2

Analysis of Actuarial Gains and Losses (\$ in 000's)

	-	Amo	unt
1.	Unfunded Actuarial Liability as of June 30, 2000		(1,158,110)
2.	Effect of Change in Actuarial Assumptions	827,055	
3.	UAAL – New Assumptions		(331,055)
2.	Normal Cost for 2001 Plan Year	561,272	
3.	Contribution Received during Year	(659,80I)	
4.	Interest to Year End @ 8.00% on 1., 2., and 3.	(30,350)	
5.	Expected Unfunded Actuarial Liability as of June 30, 2001		(459,934)
6.	Actuarial (Gain)/Loss During the Year a. From Investment	(288,306)	
	b. From Actuarial Liabilities	<u>253,842</u>	
	c. Total	r 	(34,464)
7.	Actual Unfunded Actuarial Liability as of June 30, 2001 Before Benefit Changes		(494,398)
8.	Effect of legislation	630,307	
9.	Actual UAAL as of June 30, 2001 After Benefit Changes	5 - N	135,909

APPENDIX D ADDITIONAL DATA

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Table 23

Schedule of Active Member Valuation Data

Actuarial Valuation Date	Number of Members	Covered Annual Payroli (000)	Average Annual Salary	% Increase in Average Salary	Average Attained Age	Average Years of Service
6/30/91	56,908	\$1,750,191	\$30,755	4.0%	42.0	12.1
6/30/92	57,711	1,809,458	31,354	1.9	42.2	12.2
6/30/93	58,493	1,867,948	31,935	1.9	42.3	12.3
6/30/94	60,595	1,996,908	32,955	3.2	42.5	12.3
6/30/95	62,854	2,137,134	34,002	3.2	42.5	12.3
6/30/96	64,624	2,283,994	35,343	3.9	42.6	12.3
6/30/97	66,456	2,427,429	36,527	3.3	42.5	12.1
6/30/98	68,709	2,577,594	37,514	2.7	42.5	11.9
6/30/99	70,092	2,690,353	38,383	2.3	42.5	11.7
6/30/00	71,706	2,836,062	39,581	3.1	42.5	11.6
6/30/01	72,688	2,982,051	41,025	3.7	42.4	11.3

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Table 24

Solvency Test (\$ in 000's)

	Actu	uarial Accrued	Liability				
Actuarial Valuation	Member Contributions	Current Retirees & Beneficiaries	Active & Inactive Members, Employer Financed Portion	Net Assets Available For	Percentage of	Actuarial Liabil Net Assets for:	•
Date	(1)	(2)	(3)	Benefits	(1)	(2)	(3)
6/30/91	\$1,983,631	\$2,262,801	\$3,287,876	\$6,103,139	100.00%	100.00%	56.5%
6/30/92	2,191,277	2,635,808	3,544,964	6,878,981	100.00	100.00	57.9
6/30/93	2,384,406	2,980,210	3,591,872	7,787,379	100.00	100.00	67.5
6/30/94	2,616,067	3,206,061	4,147,631	9,177,070	100.00	100.00	80.9
6/30/95	2,856,389	3,705,807	4,419,626	10,193,084	100.00	100.00	82.2
6/30/96	3,098,448	4,265,851	4,867,447	11,510,625	100.00	100.00	85.2
6/30/97	3,312,090	4,553,628	4,583,460	13,099,219	100.00	100.00	100.0
6/30/98	3,541,459	5,523,768	5,405,822	14,979,358	100.00	100.00	109.4
6/30/99	3,765,854	6,602,915	5;305;210	17,209,870	100.00	100.00	113.9
6/30/00	3,976,059	7,801,845	6,501,209	19,437,223	100.00	100.00	117.8
6/30/01	4,129,191	9,504,921	7,648,091	21,146,294	100.00	100.00	98.2

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Schedule of Retirees and Beneficiaries Added to and Removed From Retirement rolls

Table 25

Actuarial	al Service Retirees			Service Retirees Disability Retirees				Beneficiaries	
Valuation Date	Added to Rolls	Removed from Rolls	Rolls End of Year	Added to Rolls	Removed from Rolls	Rolls End of Year	Added to Rolls	Removed from Rolls	Rolls End of Year
6/30/89	1,064	513	16,462	31	30	543	N/A	N/A	N/A
6/30/90	949	532	16,879	37	28	552	N/A	N/A	N/A
6/30/91	1,067	563	17,383	28	25	555	N/A	N/A	N/A
6/30/92	1,119	599	17,903	33	43	545	N/A	N/A	N/A
6/30/93	1,269	554	18,618	45	30	560	110	63	1,259
6/30/94	1,021	676	18,963	35	39	556	130	63	1,326
6/30/95	1,141	680	19,424	34	32	558	152	66	1,412
6/30/96	1,344	693	20,075	44	35	567	150	72	1,490
6/30/97	1,797	732	21,140	30	31	566	170	74	1,586
6/30/98	1,757	728	22,169	27	32	561	187	82	1,691
6/30/99	1,965	748	23,386	41	33	569	182	82	1,791
6/30/00	2,136	763	24,759	43	32	580	187	79	1,899
6/30/01	2,639	759	26,639	45	29	596	189	89	1,999

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Table 26

Schedule of Retirees by Type

Actuarial Valuation	Service	Retirees	Disability	y Retirees	Benefi	ciaries
Date	Number	Benefits	Number	Benefits	Number	Benefits
6/30/90	16,879	163,507	552	4604	1,137	6,227
6/30/91	17,383	184,744	555	4995	1,196	7,078
6/30/92	17,903	210,379	545	5392	1,262	8,149
6/30/93	18,618	234,933	560	5826	1,303	9,299
6/30/94	18,963	254,957	556	6102	1,372	10,373
6/30/95	19,424	281,897	558	6427	1,412	11,821
6/30/96	20,075	329,115	567	7180	1,490	13,403
6/30/97	21,140	377,172	566	7520	1,586	15,874
6/30/98	22,169	454,512	561	8349	1,691	20,048
6/30/99	23,386	542,071	569	9,338	1,793	29,625
6/30/00	24,759	623,827	580	10,088	1,899	30,843
6/30/01	26,639	737,218	596	11,154	1,999	36,769

Average New Retiree Statistics

Actuarial Valuation Date	Regular Retirement Benefit	% Increase From Previous Year	Age	Creditable Service
6/30/90	1,617.05	7	60.0	27.1
6/30/91	1,763.43	8	59.5	28.4
6/30/92	1,716.78	(3)	59.3	27.8
6/30/93	1,854.29	7	59.0	26.8
6/30/94	2,096.35	12	58.8	27.8
6/30/95	2,013.36	(3)	58.7	26.8
6/30/96	2,182.88	8	56.3	27.8
6/30/97	2,005.00	(8)	56.4	N/A
6/30/98	2,300.19	15	57.1	N/A
6/30/99	2,488.36	8	57.0	N/A
6/30/00	2,683.72	8	57.0	25.6
6/30/01	2,775.17	3	56.7	26.5

APPENDIX E ACTUARIAL METHOD AND ASSUMPTIONS

In order to establish long-term, consistent methods in the funding of the System, the Board of Trustees has adopted this statement of its funding policy. The funding of the System shall be carried out in such a way that the burden of paying retirement costs shall be shared equitably by present and succeeding generations of members and taxpayers. To this end, the following principles shall apply:

- 1. The Board of Trustees shall adopt actuarial assumptions, each of which individually represents a reasonable long-term estimate of anticipated experience under the System, derived from experience studies conducted every fifth year.
- 2. The actuarial funding method used shall be the Entry Age Normal Method with normal costs calculated as a percentage of payroll.
- 3. It shall be the general objective to maintain an amortization period of 30 years or less in the funding of the Unfunded Actuarial Accrued Liability. Whenever a change is made in the System's benefit and contribution rate structures, the amortization period for the System after this change should not exceed 30 years initially.
- 4. If an escalation in future payroll is assumed in determining the amortization payments toward the Unfunded Actuarial Accrued Liability, then the annual rate of such escalation shall not exceed the expected rate of expansion in total System payroll based upon the actuarial assumptions.
- 5. Assets used in the actuarial valuation shall be valued using adjusted market values averaged over a period of five years.
- 6. Annual actuarial valuations shall be made of the System's assets and liabilities. The contribution rate shall be established based on the results of these valuations.

Investment Return

It is assumed that investments of the System will return, on average, a yield of 8% per annum compound.

Salary and Payroll Increases

Salaries are assumed to increase each year at the rate of 5%. Longevity adjustments are made for those with less than 10 years of service, as follows:

Service	Longevity Adjustment	Total Increase
0	5.00%	10.00%
1	5.00	10.00
2	3.25	8.25
3	2.50	7.50
4	2.50	7.50
5	2.25	7.25
6	2.00	7.00
7	1.75	6.75
8	1.50	6.50
9	1.00	6.00
10 & Over	0.00	5.00

Total covered payroll of the entire membership is assumed to increase 5.0% per year in the future.

Retirement Rates

Retirement is assumed in accordance with the following rates per 1,000 eligible members:

For All Member with at Least Five Years of Service				
Age	Retirement Rates			
BelowAge60	0			
60	250			
61	250			
62	250			
63	250			
64	300			
65	400			
66	300			
67	300			
68	300			
69	300			
70andOver	1,000			

For All Member With at Least Five Vears of Service

For Members Who Are Below Age 60 With 30 Years of Service or				
Satisfy the Rule of 80				

Service	Males and Females
30	500
31 and Over	250

For Members Below Age 60 with Less Than 30 Years but with at Least 25 Years of Service, Who are at Least Age 55

_	Males and Females
1 st Year Eligible	400
Thereafter	200

For Members who have at least 25 years of service and are below age 55 during the 1999-2003 Period:

Service	Males and Females
25	8.0%
26	4.0
27	4.5
28	5.0
29	7.5

For Members who do not fall into the above categories but are at least age 55 with 5 years of Service

	Males and Females
All Years Eligible	30

Withdrawal Rates

Termination of membership prior to eligibility for retirement from all causes other than death, disability or retirement is assumed in accordance with the following illustrative rates per 1,000 members:

Years of	
Service	Rate
0	125.0
1	95.0
2	75.0
3	60.0
4	52.5
5	45.0
10	22.5
15	13.0
20	6.0

Disability Rates

Age	Rates
35	-
40	0.263
45	0.394
50	0.788
55	1.446

Retirement for disability prior to age 60 is assumed in accordance with the following illustrative rates per 1,000 eligible members:

Mortality Rates

Mortality Rates for nondisabled retirees are based on the 1994 Group Annuity Mortality Table with male ages set back three years and female ages set back one year. Mortality for active members are based on the following percentages of retiree mortality:

Male70%Female62%

Illustrative rates per 1,000 members at various ages are as follows:

Beneficiaries and Survivors				
Age	Male	Female		
20	0.430	0.280		
30	0.727	0.331		
40	0.891	0.652		
50	1.899	1.310		
60	5.581	3.863		
70	18.034	12.709		
80	45.171	35.362		
90	115.671	104.594		
.00	268.815	256.712		
10	441.935	464.469		
Disa	bility Retirees,	Male and Female		
DisaAg		Male and Female Rate		
Ag	e	Rate		
	e	Rate 24.075		
Ag	e	Rate		
Ag 40 50	e	Rate 24.075 26.175		
Ag 40 50 60	e	Rate 24.075 26.175 31.500		
Ag 40 50 60 70	e	Rate 24.075 26.175 31.500 44.625		

Active and Service Retired Members, Beneficiaries and Survivors

Interest on Member Accounts

6% per year

Service Purchases

Incremental service credits attributable to the purchase of service are not valued until all payments for the purchase of service have been made.

Rehire Liability

Inactive member liability is carried until a series of five one-year breaks in service.

Cost of Living Adjustments

The cost of living adjustment assumed in the valuation is 3.5% per year, and applies to service retirements and beneficiary annuities. The COLA does not apply to the benefits for in-service death payable to spouses (where the spouse is over age 60), and does not apply to the spouse with children pre-retirement death benefit, the dependent children pre-retirement death benefit. The total lifetime COLA cannot exceed 80% of the original benefit.

Asset Valuation Method

The Actuarial Value of Assets is based on a five-year average of adjusted market value returns. The actuarial value for a year is computed by taking the actuarial value at June 30 of the prior year, subtracting all expenses (including benefit payments), and adding contributions and expected investment return at 8% of actuarial value of assets. The difference between the actual returns at market value for the year and expected returns is determined. Twenty percent (20%) of that difference is added to the actuarial value along with corresponding amounts from each of the prior four years.

Provisions for Expenses

There is no specific provision for expenses. The implicit assumption is that administrative expenses are paid from investment income in excess of 8% per annum.

APPENDIX F SUMMARY OF BENEFIT PROVISIONS OF PSRS

Half the total PSRS contribution rate. The current PSRS contribution rate is 21% of pay.

Normal (Unreduced) Retirement

ELIGIBILITY

Attainment of age 60 with at least five years of Creditable Service, or Attainment of age 55 with at least 25 years of Creditable Service, or Attainment of age 55 and the total of age and Creditable Service is at least 80, or Completion of 30 years of Creditable Service at any age.

Benefit

2.5% of Final Average Salary for each year of Membership Service. Members retiring before July 1, 2008 with at least 31 years of service will receive a benefit based on 2.55%. A year of Prior Service is the equivalent of .6 year of Membership Service.

FINAL AVERAGE SALARY

Average monthly salary over the Member's three highest consecutive years of service.

MEMBERSHIP SERVICE

Service while a participating member of PSRS. Service is measured each year in relation to full contract salary for that year.

PRIOR SERVICE

Service in a covered position prior to July 1, 1946.

CREDITABLE SERVICE

Membership service plus any service rendered prior to PSRS inception.

NORMAL FORM OF BENEFIT

Single Life Annuity

Additional options available include joint and survivor (50%, 75%, or 100%) and term certain (60 or 120 months) and life thereafter.

ELIGIBILITY

Attainment of age 55 and under age 60 with at least five years of creditable service, or at any age with at least 25 years of creditable service.

Benefit

Normal retirement benefit accrued to the date of early retirement, actuarially reduced from age 60.

Special Normal Retirement – Under Modified Formula

ELIGIBILITY

Retirement on or before 7-1-2003 at an age under 55 but with at least 25 years of creditable service but less than 30.

BENEFIT

Based on a percentage of final average salary per year of creditable service. Percentages are as follows:

Years of Service	Benefit Percentage	
25-25.9	2.20%	
26-26.9	2.25	
27-27.9	2.30	
28-28.9	2.35	
29-29.9	2.40	

POST-RETIREMENT DEATH BENEFIT

Regardless of the form of benefit selected, a lump sum benefit of \$5,000 is paid at the death of the retiree.

In any year in which the Board determines that the CPI has increased, the Board may provide for annual increases in the current benefit of up to 5%. For any member retiring on or after July 1, 2001 such adjustments commence in the second January after commencement of benefits. The total of such increases may not exceed 80% of the original benefit for any member.

Disability Benefits

DEFINITION OF DISABILITY

Incapacitation for performance of gainful employment after completion of five years of creditable service and before age 60.

BENEFIT

Lifetime benefit equal to 90% of accrued normal retirement benefit. This benefit level is subject to a minimum of 50% salary in the last full year of membership but not greater than the member's accrued normal retirement benefit assuming continuous employment to age 60 at current pay. COLA adjustments similar to those provided retirees are provided on this benefit.

FORM OF BENEFIT

If eligible, surviving designated spouse or dependent child or parent may elect a monthly survivor benefit.

Vesting

ELIGIBILITY

Accrual of five years of creditable service.

Benefit

Accrued normal retirement benefit payable at earliest retirement age based on service at date of termination. Benefit is based on formula in effect at commencement of benefit.

REFUND

Refund of accumulated member contributions with interest

DEPENDENT BASED SURVIVOR BENEFITS

In lieu of the refund, survivors of a member with at least 2 years of service at death may elect the following survivor benefit package:

- 1. Spouse who was married to the deceased member for at least three years and with no dependent children up to \$600 / month payable after spouse age 60 (immediately if spouse is disabled) and prior to remarriage.
- 2. Spouse with dependent children
 - a. Up to \$600 per month payable to spouse with at least one dependent child under age 18.
 - b. Up to an additional \$300 per month payable for each child under age 18. Benefits continue to the spouse after the child reaches age 18, up to age 22, if the child is a full time student.
 - c. Family maximum \$1,500 per month.
- 3. If no surviving spouse, each eligible child receives up to \$500 per month payable as in 2.b. above, subject to a family maximum of \$1,500.
- 4. If no surviving spouse or children, a benefit of up to \$500 is payable to a dependent parent over age 65, subject to a maximum of \$1,000.

No COLA adjustments apply to this benefit.

RETIREMENT BASED SURVIVOR BENEFITS

In lieu of the benefits described above, if the member has at least 5 years of membership service at date of death, the designated spouse may receive a survivor benefit based on 100% J & S equivalent of the benefit accrued to date of death. The benefit may commence:

- 1. immediately if member is eligible to retire at date of death, or
- 2. at a future retirement date of the deceased member.

The benefit may be reduced for early commencement if the deceased member would not have been eligible for unreduced retirement at that date based on service to date of death.

COLA adjustments similar to those provided retirees are provided on these benefits.