

Strength

With a focus on the complexities of the plan and the utilization of theories to study uncertain future events, sound actuarial practices reflect the *strength* of the Systems- past, present and future. Our overall strength is built on consistent investment returns and contributions, and reinforced by ongoing actuarial analysis and study.



ACTUARIAL SECTION

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CERTIFICATION OF ACTUARIAL RESULTS



October 25, 2011

Board of Trustees
Public School Retirement System of Missouri
Public Education Employee Retirement System of Missouri
3210 West Truman Boulevard
Jefferson City, MO 65109

Re: Certification of Actuarial Results

Dear Members of the Board:

At your request, we have performed actuarial valuations of the Public School Retirement System and the Public Education Employee Retirement System of Missouri as of June 30, 2011. An actuarial valuation of each System is performed annually.

The actuarial valuation is based upon:

- a. *Data Relative to the Members of the Systems* - Data for all members of each System was provided by the staff. Such data is tested for reasonableness by the actuary but is used unaudited.
- b. *Assets of the Fund* - The values of the trust fund assets for each System are provided by the staff. An actuarial value of assets, with gains and losses recognized over five years, is used to develop actuarial results.
- c. *Actuarial Method* - The actuarial method utilized by each System is the Entry Age Normal Cost Method. The objective of this method is to finance the benefits of the Systems as a level percentage of pay over the entire career of each member. Any Unfunded Actuarial Accrued Liability ("UAAL") under this method is separately financed as a level percentage of payroll over a fixed 30-year period, where a new 30-year gain or loss amortization base is established each year.
- d. *Actuarial Assumptions* - The actuarial assumptions used in the valuation of each System are summarized in the following pages. An experience study was performed for each System during fiscal 2011 and, as a result, certain assumptions have been modified since the prior year. The Board adopted this set of assumptions effective for the actuarial valuations as of June 30, 2011 and later.

The actuarial assumption and methods used are in accordance with paragraph 36 of GASB Statement Number 25.

The trend data in the Financial Section and the schedules and other data in this Section are prepared by the staff with our guidance.

PricewaterhouseCoopers LLP, One North Wacker Drive Chicago, IL, 60606
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CERTIFICATION OF ACTUARIAL RESULTS (continued)



The Board's statement of funding policy provides that:

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 allocated as a percentage of payroll.
3. It shall be the general objective to maintain a fixed amortization period of 30 years or less in the funding of the UAAL. Effective with the 2007 Legislative session, any changes in the UAAL due to such changes in benefit structure shall be amortized over a fixed 20-year period.
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 by smoothing investment gains and losses over a period of 5 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.

It is the Board's intent to maintain the current contribution rates until the unfunded actuarial accrued liability of each System is fully amortized.

The results of the valuation are based on the data and actuarial techniques described above and on the provision of each System at the valuation date. Based on these items, we certify these results to be true and correct.

Sincerely,

A handwritten signature in black ink that reads "Sheldon A. Gamzon".

Sheldon Gamzon, FSA, EA, MAAA
Principal

A handwritten signature in black ink that reads "Brandon A. Robertson".

Brandon Robertson, ASA, EA, MAAA
Director

Calculation of Unfunded Actuarial Accrued Liability

PSRS*As of June 30, 2011*

		Amount
(1) Present value of future benefits for:		
	Active members	\$ 21,703,753,808
	State members	16,348,681
	Service retirees	19,055,450,501
	Disability retirees	177,188,558
	Tax-sheltered annuitants	618,704
	Beneficiaries and survivors	719,525,190
	Death benefits	70,918,046
	Inactive members	447,864,738
	Total	<u>42,191,668,226</u>
(2) Present value of future normal costs		<u>7,808,237,651</u>
(3) Actuarial accrued liability ((1)-(2))		34,383,430,575
(4) Actuarial value of assets		<u>29,387,486,429</u>
(5) Unfunded actuarial accrued liability ((3)-(4))		<u>\$ 4,995,944,146</u>

Calculation of Unfunded Actuarial Accrued Liability

PEERS*As of June 30, 2011*

		Amount
(1) Present value of future benefits for:		
	Active members	\$ 3,241,175,659
	Service retirees	1,319,734,994
	Disability retirees	26,840,462
	Beneficiaries and survivors	52,044,918
	Inactive members	122,420,024
	Total	<u>4,762,216,057</u>
(2) Present value of future normal costs		<u>1,212,867,594</u>
(3) Actuarial accrued liability ((1)-(2))		3,549,348,463
(4) Actuarial value of assets		<u>3,028,757,171</u>
(5) Unfunded actuarial accrued liability ((3)-(4))		<u>\$ 520,591,292</u>

Required Contribution Rate & Amortization of Unfunded Liability

PSRS

For the fiscal year ending June 30, 2013

	<u>Percentage of Payroll</u>
(1) Total contribution rate, member plus employer	29.00%
(2) Normal cost rate	19.16%
(3) Approximate rate available for unfunded actuarial accrued liability ((1) - (2))	9.84%
(4) Rate needed to fund UAAL	6.94%
(5) Benchmark contribution rate - normal cost plus a rate to fund the UAAL over 30 years	26.10%
(6) Recommended rate for Fiscal Year 2013	29.00%

Required Contribution Rate & Amortization of Unfunded Liability

PEERS

For the fiscal year ending June 30, 2013

	<u>Percentage of Payroll</u>
(1) Total contribution rate, member plus employer	13.72%
(2) Normal cost rate	10.80%
(3) Approximate rate available for unfunded actuarial accrued liability ((1) - (2))	2.92%
(4) Rate needed to fund UAAL	2.21%
(5) Benchmark contribution rate - normal cost plus a rate to fund the UAAL over 30 years	13.01%
(6) Recommended rate for Fiscal Year 2013	13.72%

Analysis of Actuarial Gains and Losses

PSRS*As of June 30, 2011**(Dollar amounts in thousands)*

(1) Unfunded actuarial liability as of July 1, 2010		\$	8,302,271
(2) Normal cost for 2011 plan year (mid-year)			987,255
(3) Contribution expected to be received during year			(1,408,377)
(4) Interest to year end at 8.00% on (1), (2) and (3)			647,337
(5) Expected unfunded actuarial liability as of June 30, 2011			<u>8,528,486</u>
(6) Contribution shortfall			175,288
(7) Actuarial (gain)/loss during the year			
a. From investment	\$	1,156,342	
b. From actuarial liabilities		(283,575)	
c. From assumption changes		<u>(4,580,597)</u>	
d. Total			<u>(3,707,830)</u>
(8) Actual unfunded actuarial liability as of June 30, 2011		\$	<u><u>4,995,944</u></u>

Analysis of Actuarial Gains and Losses

PEERS*As of June 30, 2011**(Dollar amounts in thousands)*

(1) Unfunded actuarial liability as of July 1, 2010		\$	766,302
(2) Normal cost for 2011 plan year (mid-year)			157,889
(3) Contribution expected to be received during year			(196,702)
(4) Interest to year end at 8.00% on (1), (2) and (3)			59,752
(5) Expected unfunded actuarial liability as of June 30, 2011			<u>787,241</u>
(6) Contribution shortfall			10,094
(7) Actuarial (gain)/loss during the year			
a. From investment	\$	106,908	
b. From actuarial liabilities		(84,511)	
c. From assumption changes		<u>(299,141)</u>	
d. Total			<u>(276,744)</u>
(8) Actual unfunded actuarial liability as of June 30, 2011		\$	<u><u>520,591</u></u>

Schedule of PSRS Active Member Valuation Data

Actuarial Valuation Date	Number of Members	Covered Annual Payroll (000's)	Average Annual Salary	% Increase in Average Salary	Average Attained Age	Average Years of Service
6/30/2002	73,673	\$ 3,213,461	\$ 43,618	6.3%	42.3	11.2
6/30/2003	74,347	3,373,058	45,369	4.0	42.4	11.3
6/30/2004	73,797	3,408,230	46,184	1.8	42.5	11.4
6/30/2005	73,850	3,540,649	47,944	3.8	42.5	11.4
6/30/2006	75,540	3,775,752	49,983	4.3	42.4	11.2
6/30/2007	77,121	3,980,698	51,616	3.3	42.3	11.1
6/30/2008	78,436	4,209,417	53,667	4.0	42.2	11.1
6/30/2009	79,335	4,439,381	55,957	4.3	42.2	11.1
6/30/2010	79,256	4,493,865	56,701	1.3	42.3	11.3
6/30/2011	77,708	4,338,976	55,837	-1.5	42.3	11.5

Schedule of PEERS Active Member Valuation Data

Actuarial Valuation Date	Number of Members	Covered Annual Payroll (000's)	Average Annual Salary	% Increase in Average Salary	Average Attained Age	Average Years of Service
6/30/2002	46,728	\$ 895,420	\$ 19,162	7.1%	44.8	6.4
6/30/2003	46,863	971,177	20,724	8.2	45.3	6.6
6/30/2004	45,880	984,866	21,466	3.6	46.2	7.0
6/30/2005	46,598	1,055,204	22,645	5.5	46.6	7.1
6/30/2006	48,188	1,190,994	24,716	9.1	46.4	7.1
6/30/2007	49,281	1,275,199	25,876	4.7	46.6	7.2
6/30/2008	50,865	1,377,506	27,082	4.7	46.8	7.3
6/30/2009	51,234	1,417,485	27,667	2.2	47.1	7.5
6/30/2010	50,363	1,433,691	28,467	2.9	47.5	8.0
6/30/2011	48,800	1,414,442	28,984	1.8	47.9	8.3

Solvency Test

PSRS

(Dollar amounts in thousands)

Actuarial Valuation Date	Actuarial Accrued Liability for:				Net Assets Available for Benefits	Percentage of Actuarial Liabilities Covered by Net Assets for:		
	Member Contributions	Current Retirees & Beneficiaries	Active & Inactive Members			(1)	(2)	(3)
			Employer Financed Portion					
	(1)	(2)	(3)					
6/30/2002	\$ 4,354,507	\$ 10,589,546	\$ 8,389,885	\$ 22,236,105	100.00 %	100.00 %	86.90%	
6/30/2003	4,687,227	11,387,543	8,644,680	20,047,982	100.00	100.00	46.00	
6/30/2004	4,954,080	12,625,925	8,645,254	21,501,572	100.00	100.00	45.40	
6/30/2005	5,119,055	13,976,901	8,785,557	23,049,441	100.00	100.00	45.00	
6/30/2006	5,453,906	15,371,279	9,211,945	24,801,644	100.00	100.00	43.20	
6/30/2007	5,787,667	17,059,613	9,549,443	27,049,004	100.00	100.00	44.00	
6/30/2008	6,174,718	18,548,552	9,767,182	28,751,241	100.00	100.00	41.20	
6/30/2009	6,299,067	19,745,129	10,015,925	28,826,075	100.00	100.00	27.80	
6/30/2010	6,506,803	20,532,011	10,194,788	28,931,331	100.00	100.00	18.60	
6/30/2011	6,571,916	20,023,701	7,787,813	29,387,486	100.00	100.00	35.80	

Solvency Test

PEERS

(Dollar amounts in thousands)

Actuarial Valuation Date	Actuarial Accrued Liability for:				Net Assets Available for Benefits	Percentage of Actuarial Liabilities Covered by Net Assets for:		
	Member Contributions	Current Retirees & Beneficiaries	Active & Inactive Members			(1)	(2)	(3)
			Employer Financed Portion					
	(1)	(2)	(3)					
6/30/2002	\$ 354,296	\$ 651,295	\$ 850,391	\$ 1,810,619	100.00 %	100.00 %	94.7%	
6/30/2003	394,925	731,059	923,732	1,677,770	100.00	100.00	59.7	
6/30/2004	444,318	804,864	972,028	1,837,308	100.00	100.00	60.5	
6/30/2005	466,259	904,292	1,043,943	2,011,566	100.00	100.00	61.4	
6/30/2006	524,014	1,020,486	1,212,333	2,218,638	100.00	100.00	55.6	
6/30/2007	580,853	1,093,650	1,308,310	2,481,562	100.00	100.00	61.7	
6/30/2008	650,970	1,215,036	1,412,596	2,703,762	100.00	100.00	59.3	
6/30/2009	693,962	1,305,025	1,459,057	2,792,182	100.00	100.00	54.4	
6/30/2010	743,146	1,392,753	1,522,813	2,892,411	100.00	100.00	49.7	
6/30/2011	783,112	1,398,620	1,367,616	3,028,757	100.00	100.00	61.9	

PSRS Schedule of Retirees and Beneficiaries Added to and Removed from Retirement Rolls

	Added to Rolls		Removed from Rolls		Rolls End of Year		Average Annual Allowances	% Increase	
	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances		in Annual Allowance	in Average Annual Allowance
2010-2011									
Service Retirees	3,145	\$ 115,976,129	891	\$ 25,543,283	43,718	\$ 1,667,760,851	\$ 38,148	5.77 %	0.31 %
Disability Retirees	76	2,095,095	36	885,453	761	18,538,146	24,360	6.98	1.36
Beneficiaries	347	7,794,495	194	3,208,289	3,435	82,616,257	24,051	5.86	1.14
<i>Note: 151 retirees and beneficiaries had their benefit on hold at June 30, 2011 and were not included in the payment rolls at the end of the year.</i>									
2009-2010									
Service Retirees	2,392	\$ 84,290,821	825	\$ 23,896,894	41,464	\$ 1,576,834,116	\$ 38,029	4.02 %	0.09 %
Disability Retirees	54	1,337,647	29	646,445	721	17,328,504	24,034	4.18	0.57
Beneficiaries	290	7,127,771	161	2,596,246	3,282	78,045,764	23,780	6.18	2.00
2008-2009									
Service Retirees	2,629	\$ 98,725,164	777	\$ 21,507,072	39,897	\$ 1,515,913,812	\$ 37,996	10.30 %	5.18 %
Disability Retirees	37	924,132	32	621,480	696	16,632,852	23,898	5.89	5.13
Beneficiaries	287	7,160,304	136	2,206,056	3,153	73,504,884	23,313	10.68	5.38
2007-2008									
Service Retirees	2,596	\$ 91,611,816	808	\$ 21,214,344	38,045	\$ 1,374,367,260	\$ 36,125	8.08 %	3.01 %
Disability Retirees	45	1,122,528	37	855,696	691	15,707,856	22,732	3.95	2.74
Beneficiaries	289	6,258,996	175	2,635,176	3,002	66,412,560	22,123	8.06	3.96
2006-2007									
Service Retirees	2,396	\$ 85,977,276	770	\$ 20,772,324	36,257	\$ 1,271,565,084	\$ 35,071	9.66 %	4.75 %
Disability Retirees	41	868,872	29	646,560	683	15,111,252	22,125	5.17	3.32
Beneficiaries	241	5,318,208	161	1,972,128	2,888	61,457,496	21,280	8.95	5.93
2005-2006									
Service Retirees	2,441	\$ 85,952,556	811	\$ 19,138,824	34,631	\$ 1,159,507,692	\$ 33,482	8.59%	3.48 %
Disability Retirees	41	855,684	34	594,708	671	14,368,776	21,414	3.95	2.86
Beneficiaries	279	6,109,776	127	1,679,784	2,808	56,410,080	20,089	10.61	4.62

PEERS Schedule of Retirees and Beneficiaries Added to and Removed from Retirement Rolls

	Added to Rolls		Removed from Rolls		Rolls End of Year		Average Annual Allowances	% Increase	
	Number	Annual Allowances	Number	Annual Allowances	Number	Annual Allowances		in Annual Allowance	in Average Annual Allowance
2010-2011									
Service Retirees	1,675	\$ 16,740,804	595	\$ 2,955,819	19,354	\$ 137,682,745	\$ 7,114	9.86 %	3.73 %
Disability Retirees	73	411,908	31	165,052	617	2,838,986	4,601	9.53	2.06
Beneficiaries	114	672,098	73	276,872	1,263	5,980,471	4,735	7.08	3.61
<i>Note: 94 retirees and beneficiaries had their benefit on hold at June 30, 2011 and were not included in the payment rolls at the end of the year.</i>									
2009-2010									
Service Retirees	1,426	\$ 12,130,367	613	\$ 3,074,132	18,274	\$ 125,327,880	\$ 6,858	6.14 %	1.42 %
Disability Retirees	51	250,591	16	62,887	575	2,592,012	4,508	7.81	1.26
Beneficiaries	139	832,603	67	315,936	1,222	5,585,100	4,570	9.82	3.32
2008-2009									
Service Retirees	1,325	\$ 12,276,828	560	\$ 2,464,452	17,461	\$ 118,079,604	\$ 6,762	11.55 %	6.66 %
Disability Retirees	44	233,556	18	92,412	540	2,404,284	4,452	10.46	5.12
Beneficiaries	112	556,872	40	176,184	1,150	5,085,876	4,423	10.89	3.95
2007-2008									
Service Retirees	1,256	\$ 11,273,184	569	\$ 2,322,624	16,696	\$ 105,856,860	\$ 6,340	10.49 %	5.93 %
Disability Retirees	46	214,596	21	91,332	514	2,176,536	4,235	8.26	3.02
Beneficiaries	99	423,360	62	211,236	1,078	4,586,436	4,255	6.91	3.25
2006-2007									
Service Retirees	1,250	\$ 10,608,864	563	\$ 2,140,032	16,009	\$ 95,809,332	\$ 5,985	11.70 %	6.91 %
Disability Retirees	29	134,592	18	56,736	489	2,010,516	4,111	7.35	4.93
Beneficiaries	120	537,792	39	108,804	1,041	4,290,168	4,121	14.55	5.64
2005-2006									
Service Retirees	1,080	\$ 8,500,248	528	\$ 1,834,320	15,322	\$ 85,772,400	\$ 5,598	9.22%	5.28 %
Disability Retirees	53	217,428	23	96,480	478	1,872,912	3,918	9.62	2.73
Beneficiaries	86	291,804	50	175,392	960	3,745,200	3,901	4.79	0.85

PSRS SUMMARY PLAN DESCRIPTION

The Public School Retirement System of Missouri (PSRS) became operative July 1, 1946. It was established by an Act of the Missouri Legislature and is governed by Chapter 169 of the Revised Statutes of Missouri. Its purpose is to provide benefits to members and their dependents at retirement or in the event of death or disability prior to retirement.

PSRS is a defined benefit plan funded on an actuarial reserve basis, which guarantees availability of funds to pay benefits as prescribed by law. The System is established as an independent trust fund and is not subject to direction by any state agency. Administrative expenses are paid entirely out of investment earnings.

Administration – The administration of PSRS is vested in a seven-member Board of Trustees, composed of three elected PSRS members, one elected Public Education Employee Retirement System (PEERS) member, and three appointed trustees. The four elected trustees are selected by vote of the members and retirees of both Systems. Two are elected each even-numbered calendar year to serve four-year terms. The three appointed trustees, one of whom must be a PSRS or a PEERS retiree, are named by the governor to serve four-year terms. The appointed trustees must be residents of school districts included in the Retirement System but not employees of such districts nor state employees nor a state elected official.

The Board appoints an executive director who is responsible for employment of the retirement office staff, routine operation of the System, and acts as an advisor to the Board on all matters pertaining to the System.

Member Participation – PSRS membership is automatic for certificated, full-time employees of public school districts in Missouri (except the St. Louis city and the Kansas City school districts), public two-year colleges in Missouri, PSRS, and certain statewide non-profit educational associations that have elected to join. Certificated, part-time employees whose services would qualify them for membership in the Public Education Employee Retirement System are contributing members of PSRS unless PEERS membership is elected. The vast majority of PSRS members are not covered by Social Security. However, there are a few exceptions due to specific guidance from the Social Security Administration. Those members who are also covered by Social Security contribute to PSRS at two-thirds the rate of other members and receive two-thirds benefits.

Members working in covered employment are considered active members. Such members contribute 14.0% (14.5% effective July 1, 2011) of total compensation to PSRS. The contributions are deducted and remitted by the employer and are credited by PSRS to individual member accounts. Since July 1, 1989, member contributions have been tax-deferred for federal and state income tax purposes under IRS 414(h) (2). Contributions are not considered income for such purposes until they are paid as a lump-sum refund or monthly benefits.

Interest at a rate set each year by the Board of Trustees is credited to individual member accounts each June 30 on the previous June 30 balance. The rate credited on June 30, 2011 was 1%. Since PSRS is a defined benefit plan, benefits are based upon the member's final average salary and years of credit. The amount of interest credited to a member's account has no bearing on the monthly benefit amount payable at retirement.

In addition to credit earned for covered service, members may purchase credit in various categories including several types of leave, out-of-state school service, other public and private employment, active U.S. military duty, and service under the federal Uniformed Services Employment and Re-employment Rights Act of 1994 (USERRA).

Members who have contributions on deposit with PSRS but are not working in covered employment are considered inactive members.

Employer Participation – The employers served by PSRS withhold members' contributions from salary payments and match those contributions at a rate of 14.0% (14.5% effective July 1, 2011) of payroll. Employer contributions and investment earnings on those funds are placed by PSRS in a general reserve account to pay monthly benefits to retirees and to beneficiaries of deceased members. Employers are responsible for remitting contributions promptly and for furnishing contribution information and new membership records to PSRS. Employers also provide needed data when members apply for monthly benefits or for refunds upon termination of employment.

Survivor Benefits – The designated beneficiary of a member who dies before retirement is eligible for a lump-sum refund of the member's contributions and interest. If the beneficiary is an eligible dependent and the member dies while in covered employment with at least two years of credit for such service, or while eligible for disability retirement benefits, monthly survivor

benefits based on a percentage of the member's salary for the last full year of covered service can be elected instead of the contribution refund. Monthly survivor benefits may also be payable to qualified dependents of an inactive member who has at least five years of credit.

In lieu of a lump-sum refund or monthly survivor benefits, survivors with an insurable interest and beneficiaries of disability retirees may elect to receive monthly benefits under the Joint-and-Survivor 100% benefit plan. Such benefits are payable when the member would have been eligible for early or normal service retirement.

Refund of Contributions – Member contributions and interest are fully refundable upon termination of covered employment or death. All credit and benefit rights are forfeited upon voluntary refund or automatic termination of membership.

A member may, upon returning to covered employment, reinstate the credit forfeited through termination of a previous membership by repaying the money refunded plus interest.

Membership Termination – Membership is terminated by death, retirement, refund of contributions, or absence from covered employment by a non-vested member for five consecutive school years.

Disability Retirement Benefits – Disability retirement benefits are payable to eligible members who have met service and eligibility requirements and who because of permanent disability, are unable to earn a livelihood in any occupation. In most instances, the disability retirement benefit is calculated at 50% of the member's salary for the last full year of credit.

Service Retirement Benefits – Service retirement benefits are payable to members who have terminated covered employment and have met certain eligibility requirements.

Benefit Formula – All service retirement benefits are based on a formula which multiplies final average salary by the applicable formula factor, by the years of credit and, in the case of early retirement, by an age-reduction factor. Final average salary is obtained by dividing the total salaries for the three highest consecutive years of service by 36 months to arrive at a monthly average; the applicable factor is determined by the type of retirement eligibility; total credit is the amount accumulated at retirement for covered employment and purchased

credit; and the age-reduction factor, when applicable, is determined by the age at retirement.

Normal Retirement – A member may retire with benefits calculated under the standard (2.5%) formula factor at age 60 with five years of credit, at any age with 30 years of credit, or when a combination of age and credit equals 80 or more. Between 7/1/2001 and 7/1/2013, a member may retire with a 2.55% formula factor with 31 or more years of credit.

Early Retirement – A member may retire with benefits calculated under the standard (2.5%) formula with an age-reduction factor applied, at age 55 with five years of credit or at any age with 25 years of credit, as long as they do not qualify for Rule of 80.

A special provision in effect until July 1, 2013 allows members under age 55 with 25.0 to 29.9 years of credit to retire with benefits calculated under a modified formula factor ranging from 2.2% to 2.4% with no age-reduction factor applied.

Payment Options – A retiring member may choose to receive the maximum benefits payable under the Single Life benefit plan, or may elect to receive a reduced benefit under one of three Joint-and-Survivor benefit plans or under one of two Term-Certain benefit plans, to provide survivor benefit coverage in varying degrees after the retiree's death.

Certain benefit minimums apply to normal or early retirement with 15 or more years of credit. The minimums for 15 but fewer than 25 years of credit are reduced if a Joint-and-Survivor or a Term-Certain benefit plan is elected and/or if an age-reduction factor is applicable because of early retirement. The minimums for 25 or more years of credit are reduced only if a Joint-and-Survivor or a Term-Certain benefit plan is selected.

The Partial Lump Sum Option (PLSO) is available to qualified members. This option allows qualified members to choose to have their lifetime monthly benefits actuarially reduced in exchange for the right to also receive a one-time, lump-sum payment at retirement.

Cost-of-Living Adjustments – Cost-of-living adjustments (COLAs) are provided beginning the second January after retirement to service and disability retirees, and to Joint-and-Survivor and Term-Certain beneficiaries of deceased retirees. Lifetime COLAs are limited to 80% of the original retirement benefit.

The Department of Labor Consumer Price Index for Urban Consumers (CPI-U) for the previous fiscal year is used as a guideline for the annual COLA which is set by the PSRS/PEERS Board of Trustees. By law, if the change in CPI-U is 2% or more, the COLA must be at least 2%, but no more than 5%. If the change in CPI-U is between 0% and 2%, the Board may grant a COLA of 0% to 5%. If the change in CPI-U is less than 0%, no increase can be given. If it is more than 5%, the Board is required to give a 5% increase. Under the Funding Stabilization Policy adopted by the Board in August 2011, a 2% COLA will be given whenever the change in CPI-U for the previous year is between 0% and 5%.

Member Handbook – A *Member Handbook* containing detailed information concerning the retirement program is available on our website or can be obtained from the retirement office upon request.

PEERS SUMMARY PLAN DESCRIPTION

The Public Education Employee Retirement System of Missouri (PEERS) was established by an Act of the Missouri Legislature effective November 1, 1965, and is governed by Chapter 169 of the Revised Statutes of Missouri. Its purpose is to provide benefits to members and their dependents at retirement or in the event of death or disability prior to retirement.

PEERS is a defined benefit plan funded on an actuarial reserve basis, which guarantees availability of funds to pay benefits as prescribed by law. The System is established as an independent trust fund and is not subject to direction by any state agency. Administrative expenses are paid entirely out of investment earnings.

Administration – The statutes provide that the responsibility for the operation and administration of the retirement system is vested in the Public School Retirement System (PSRS) Board of Trustees sitting as the Board of Trustees for PEERS. The Board is comprised of three elected PSRS members, one elected Public Education Employee Retirement System (PEERS) member and three appointed trustees. The four elected trustees are selected by vote of the members and retirees of both Systems. Two are elected each even-numbered calendar year to serve four-year terms. The three appointed trustees, one of whom must be a PSRS or a PEERS retiree, are named by the governor to serve four-year terms. The appointed trustees must be residents of school districts included in the Retirement System but not employees of such districts nor state employees nor a state elected official.

The Board appoints an executive director who is responsible for employment of the retirement office staff, routine operation of the System, and acts as an advisor to the Board on all matters pertaining to the System.

Member Participation – PEERS membership is automatic, regardless of position, for all persons not covered by the PSRS who are employed for 20 or more hours a week on a regular basis in a position that normally requires at least 600 hours during the school term by the public school districts in Missouri (except the St. Louis city and the Kansas City school districts), public two-year colleges in Missouri, and by the Retirement System.

Members working in covered employment are considered active members. Such members contribute 6.63% (6.86% effective July 1, 2011) of their total compensation to PEERS. These amounts are deducted by the employing district and then forwarded to PEERS by the payroll officer and applied to the member's account in PEERS. PEERS members are also covered by Social Security.

PEERS membership can be elected by employees with Missouri educator certificates who work in any position for 17 or more hours weekly but less than full time; however, PSRS membership is automatic if a PEERS election is not made. The election to join PEERS must be filed with the Board of Trustees within 90 days after entering first time, part-time employment.

Since July 1, 1989, member contributions have been tax-deferred for federal and state income tax purposes under IRC 414(h)(2). Contributions are not considered as income for federal or state income tax purposes until they are paid in a lump-sum refund or in monthly benefits.

Individual accounts are maintained for all PEERS members. Interest is credited each June 30 on the previous June 30 balance. The interest rate, set annually by the Board of Trustees, was 1% on June 30, 2011. Since PEERS is a defined benefit plan, benefits are based upon the member's final average salary and years of credit. The amount of interest credited to a member's account has no bearing on the monthly benefit amount payable at retirement.

In addition to credit earned for covered service, members may purchase credit in various categories including several types of leave, out-of-state school service, other public and private employment, active U.S. military duty, and service under the federal Uniformed Services Employment and Re-employment Rights Act of 1994 (USERRA).

Members who have contributions on deposit with PEERS but are not currently working in covered employment are considered inactive members.

Employer Participation – The employers served by PEERS withhold members' contributions from salary payments and match employee contributions at a current rate of 6.63% (6.86% effective July 1, 2011) of payroll. Employer contributions and investment earnings on those funds are placed in a general reserve account to pay monthly benefits to retirees and to beneficiaries of deceased members. It is the responsibility of the employers to remit contributions to the Retirement System promptly and to supply PEERS with new membership records and members' contribution information. Employers also provide needed data when members apply for benefits or refund of contributions upon termination of employment.

Survivor Benefits – When a member dies before retirement, the designated beneficiary becomes eligible for a lump-sum refund of the employee's contributions and interest. In lieu of a lump-sum refund, survivors with an insurable interest and beneficiaries of disability retirees may elect to receive monthly benefits under the Joint-and-Survivor 100% benefit plan. Such benefits are payable when the member would have been eligible for early or normal service retirement.

Refund of Contributions – Member contributions and interest are fully refundable upon termination of covered employment or death. All credit and benefit rights are forfeited upon voluntary refund or automatic termination of membership.

A member may, upon returning to covered employment, reinstate the credit forfeited through termination of a previous membership by repaying the money refunded plus interest.

Membership Termination – Membership is terminated by death, retirement, refund of contributions, or absence from covered employment by a non-vested member for five consecutive school years.

Disability Retirement Benefits – Disability retirement benefits are payable to members who have met service and eligibility requirements and who, because of permanent disability, are unable to earn a livelihood in any occupation. The disability retirement benefit is calculated at 90% of the normal service retirement benefit.

Service Retirement Benefits – Service retirement benefits are payable to members who have terminated covered employment and who have met certain eligibility requirements.

Benefit Formula – All service retirement benefits are based on a formula which multiplies final average salary by the applicable formula factor, by the years of credit and, in the case of early retirement, by an age-reduction factor. Final average salary is obtained by dividing the total salaries for the three highest consecutive years of service by 36 months to arrive at a monthly average; the applicable factor is determined by the type of retirement eligibility; total credit is the amount accumulated at retirement for covered employment and purchased credit; and the age-reduction factor, when applicable, is determined by the age at retirement.

Because of the conversion of the System from a formula integrated with Social Security to the present basis, a special “frozen benefit” is in effect for certain members for service prior to July 1, 1973.

Normal Retirement – A member may retire with benefits calculated under the standard (1.61%) formula at age 60 with five years of credit, at any age with at least 30 years of credit, and at the point where the member’s age plus credit equals 80 or more (Rule of 80). A member may retire under the standard (1.61%) formula when the member qualifies for Rule of 80 or 30-and-Out and will receive an additional .8% multiplier until reaching minimum eligibility age for Social Security benefits (currently age 62).

Early Retirement – A member may retire with benefits calculated under the standard (1.61%) formula with an

age-reduction factor applied at age 55 with five but fewer than 25 years of credit, or at any age with 25 years of credit, as long as they do not qualify for Rule of 80.

A special provision in effect until July 1, 2013 allows members under age 55 with 25.0 to 29.9 years of credit to retire with benefits calculated under a modified formula factor ranging from 1.51% to 1.59% with no age-reduction factor applied.

Payment Options – A retiring member may choose to receive the maximum benefits payable under the Single Life benefit plan, or may choose to receive a reduced benefit under one of three Joint-and-Survivor benefit plans or under one of two Term-Certain benefit plans, to provide survivor benefit coverage in varying degrees after the retiree’s death.

Another option, the Accelerated Payment Plan (APP), allows members to receive a higher PEERS benefit prior to minimum Social Security eligibility age (currently age 62). When the minimum Social Security eligibility age is attained, the member’s PEERS benefit is reduced and remains at a reduced level for the remainder of their retirement.

The Partial Lump Sum Option (PLSO) is available to qualified members. This option allows qualified members to choose to have their lifetime monthly benefits actuarially reduced in exchange for the right to also receive a one-time, lump-sum payment at retirement.

Cost-of-Living Adjustments – Cost-of-living adjustments (COLAs) are provided starting the fourth January after retirement to service and disability retirees, and to Joint-and-Survivor and Term-Certain beneficiaries of deceased retirees. Lifetime COLAs are limited to 80% of the original retirement benefit.

The Department of Labor Consumer Price Index for Urban Consumers (CPI-U) for the previous fiscal year is used as a guideline for the annual COLA which is set by the PSRS/PEERS Board of Trustees. By law, if the change in CPI-U is 2% or more, the COLA must be at least 2%, but no more than 5%. If the change in CPI-U is between 0% and 2%, the Board may grant a COLA of 0% to 5%. If the change in CPI-U is less than 0%, no increase can be given. If it is more than 5%, the Board is required to give a 5% increase. Under the Funding Stabilization Policy adopted by the Board in August 2011, a 2% COLA will be given whenever the change in CPI-U for the previous year is between 0% and 5%.

Member Handbook – A *Member Handbook* containing detailed information concerning the retirement program is available on our website or can be obtained from the retirement office upon request.

PSRS AND PEERS SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

Inflation

Inflation is assumed to be 2.50% per year (effective 6/30/11).

Payroll Growth

Total payroll growth for PSRS is assumed to be 3.50% per year, consisting of 2.50% inflation, 0.50% additional inflation due to the inclusion of healthcare costs in pension earnings, and 0.50% of real wage growth (effective 6/30/11).

Total payroll growth for PEERS is assumed to be 3.75% per year, consisting of 2.50% inflation, 0.75% additional inflation due to the inclusion of healthcare costs in pension earnings, and 0.50% of real wage growth (effective 6/30/11).

Individual Salary Growth

Salaries are assumed to increase each year with general inflation of 2.50%, plus healthcare inflation of 0.50% for PSRS and 0.75% for PEERS (since healthcare costs are included in pension earnings), plus a longevity adjustment that accounts for merit, promotion, and other real wage growth (effective 6/30/11).

PSRS – Individual Salary Growth				
Service	General Inflation	Healthcare Inflation	Longevity	Total Increase
0	2.50%	0.50%	7.00%	10.00%
1-4	2.50%	0.50%	4.00%	7.00%
5	2.50%	0.50%	3.80%	6.80%
6	2.50%	0.50%	3.60%	6.60%
7	2.50%	0.50%	3.40%	6.40%
8	2.50%	0.50%	3.20%	6.20%
9	2.50%	0.50%	3.00%	6.00%
10	2.50%	0.50%	2.80%	5.80%
11	2.50%	0.50%	2.60%	5.60%
12	2.50%	0.50%	2.40%	5.40%
13	2.50%	0.50%	2.20%	5.20%
14	2.50%	0.50%	2.00%	5.00%
15	2.50%	0.50%	2.00%	5.00%
16	2.50%	0.50%	1.90%	4.90%
17	2.50%	0.50%	1.90%	4.90%
18	2.50%	0.50%	1.80%	4.80%
19	2.50%	0.50%	1.80%	4.80%
20	2.50%	0.50%	1.70%	4.70%
21	2.50%	0.50%	1.70%	4.70%
22	2.50%	0.50%	1.60%	4.60%
23	2.50%	0.50%	1.60%	4.60%
24	2.50%	0.50%	1.50%	4.50%
25	2.50%	0.50%	1.50%	4.50%
26	2.50%	0.50%	1.40%	4.40%
27	2.50%	0.50%	1.30%	4.30%
28	2.50%	0.50%	1.20%	4.20%
29	2.50%	0.50%	1.10%	4.10%
30+	2.50%	0.50%	1.00%	4.00%

PEERS – Individual Salary Growth				
Service	General Inflation	Healthcare Inflation	Longevity	Total Increase
0	2.50%	0.75%	8.75%	12.00%
1	2.50%	0.75%	4.00%	7.25%
2	2.50%	0.75%	3.50%	6.75%
3	2.50%	0.75%	3.25%	6.50%
4	2.50%	0.75%	3.00%	6.25%
5	2.50%	0.75%	2.90%	6.15%
6	2.50%	0.75%	2.80%	6.05%
7	2.50%	0.75%	2.70%	5.95%
8	2.50%	0.75%	2.60%	5.85%
9	2.50%	0.75%	2.50%	5.75%
10	2.50%	0.75%	2.40%	5.65%
11	2.50%	0.75%	2.30%	5.55%
12	2.50%	0.75%	2.20%	5.45%
13	2.50%	0.75%	2.10%	5.35%
14	2.50%	0.75%	2.00%	5.25%
15	2.50%	0.75%	1.95%	5.20%
16	2.50%	0.75%	1.90%	5.15%
17	2.50%	0.75%	1.85%	5.10%
18	2.50%	0.75%	1.80%	5.05%
19	2.50%	0.75%	1.75%	5.00%
20+	2.50%	0.75%	1.75%	5.00%

Investment Return

It is assumed that investments of the System will return a yield of 8.0% per year, net of System expenses (investment and administrative) (effective 1980).

Cost-of-Living Adjustments

The cost of living adjustment assumed in the valuation is 2.0% per year, based on the current policy of the Board to grant a 2.0% COLA whenever annual inflation, as measured by the CPI-U index for a fiscal year, increases between 0.00% and 5.0%. The COLA 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, or the dependent parent death benefit. The total lifetime COLA cannot exceed 80% of the original benefit. Future COLAs for current benefit recipients reflect actual cumulative adjustments granted at the time of valuation (effective 6/30/11).

Mortality Rates

Mortality Rates for active members are based on the RP 2000 Mortality Table, set back one year for males and six years for females, then projected to 2016 using Scale AA. Illustrative rates per 1,000 members at various ages are as follows (effective 6/30/11):

PSRS and PEERS Active Member Mortality		
Age	Male	Female
20	0.244	0.131
30	0.380	0.171
40	0.898	0.342
50	1.492	0.782
60	4.593	2.237
70	15.549	7.955
80	49.322	22.752
90	156.083	66.254
100	324.963	179.896
110	400.000	279.055

Mortality Rates for non-disabled retirees and beneficiaries are based on the RP 2000 Mortality Table, set back one year for both male and female members of PSRS and one year for male members of PEERS, then projected to 2016 using Scale AA. Illustrative rates per 1,000 members at various ages are as follows (effective 6/30/11):

PSRS Service Retiree, Beneficiary and Survivor Mortality		
Age	Male	Female
40	0.898	0.509
50	1.492	1.178
60	4.593	4.099
70	15.549	13.715
80	49.322	37.094
90	156.083	113.562
100	324.963	227.712
110	400.000	351.544

PEERS Service Retiree, Beneficiary and Survivor Mortality		
Age	Male	Female
20	0.263	0.148
30	0.461	0.225
40	1.004	0.554
50	1.831	1.274
60	5.930	4.665
70	19.292	15.452
80	61.340	41.002
90	187.360	125.502
100	352.933	233.696
110	400.000	364.617

Mortality Rates for disabled retirees are based on the RP 2000 Disabled Retiree Mortality Table. Illustrative rates per 1,000 members at various ages are as follows (effective 6/30/11):

PSRS and PEERS Disability Retiree Mortality		
Age	Male	Female
40	22.571	7.450
50	28.975	11.535
60	42.042	21.839
70	62.583	37.635
80	109.372	72.312
90	183.408	140.049
100	344.556	237.467
110	400.000	364.617

Retirement Rates

Prior to July 1, 2013, retirement is assumed in accordance with the following rates per 1,000 eligible PSRS members (effective 6/30/11):

PSRS Active Member Retirement Prior to July 1, 2013												
Age	Years of Credit											
	<=20	21	22	23	24	25	26	27	28	29	30	>=31
<50	0	0	0	0	0	50	50	50	50	50	200	400
50	0	0	0	0	0	50	50	50	50	50	200	400
51	0	0	0	0	0	50	50	50	50	200	200	400
52	0	0	0	0	0	50	50	50	200	200	200	400
53	0	0	0	0	0	50	50	300	200	200	200	400
54	0	0	0	0	0	50	300	200	200	200	200	400
55	50	50	50	50	50	400	200	200	200	200	200	400
56	50	50	50	50	400	200	200	200	200	200	200	400
57	50	50	50	400	200	200	200	200	200	200	200	400
58	50	50	400	200	200	200	200	200	200	200	200	400
59	50	400	200	200	200	200	200	200	200	200	200	400
60	150	150	150	150	150	200	200	200	200	200	200	400
61	150	150	150	150	150	200	200	200	200	200	200	400
62	150	150	150	150	150	200	200	200	200	200	200	400
63	150	150	150	150	150	200	200	200	200	200	200	400
64	150	150	150	150	150	200	200	200	200	200	200	400
65	250	250	250	250	250	400	400	400	400	400	400	400
66	250	250	250	250	250	300	300	300	300	300	300	400
67	250	250	250	250	250	300	300	300	300	300	300	400
68	250	250	250	250	250	300	300	300	300	300	300	400
69	250	250	250	250	250	300	300	300	300	300	300	400
>70	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

After June 30, 2013, retirement is assumed in accordance with the following rates per 1,000 PSRS eligible members (effective 6/30/11):

PSRS Active Member Retirement After June 30, 2013												
Age	Years of Credit											
	<=20	21	22	23	24	25	26	27	28	29	30	>=31
<50	0	0	0	0	0	0	0	0	0	0	450	450
50	0	0	0	0	0	0	0	0	0	0	450	450
51	0	0	0	0	0	0	0	0	0	200	450	450
52	0	0	0	0	0	0	0	0	200	200	450	450
53	0	0	0	0	0	0	0	300	200	200	450	450
54	0	0	0	0	0	0	300	200	200	200	450	450
55	50	50	50	50	50	400	200	200	200	200	450	450
56	50	50	50	50	400	200	200	200	200	200	450	450
57	50	50	50	400	200	200	200	200	200	200	450	450
58	50	50	400	200	200	200	200	200	200	200	450	450
59	50	400	200	200	200	200	200	200	200	200	450	450
60	150	150	150	150	150	200	200	200	200	200	450	450
61	150	150	150	150	150	200	200	200	200	200	450	450
62	150	150	150	150	150	200	200	200	200	200	450	450
63	150	150	150	150	150	200	200	200	200	200	450	450
64	150	150	150	150	150	200	200	200	200	200	450	450
65	250	250	250	250	250	400	400	400	400	400	450	450
66	250	250	250	250	250	300	300	300	300	300	450	450
67	250	250	250	250	250	300	300	300	300	300	450	450
68	250	250	250	250	250	300	300	300	300	300	450	450
69	250	250	250	250	250	300	300	300	300	300	450	450
70	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

PEERS retirement is assumed in accordance with the following rates per 1,000 eligible members (effective 6/30/11):

PEERS Retirement Rates							
Age	Years of Credit						
	<=25	25	26	27	28	29	30+
<50	0	50	50	50	50	50	150
50	0	50	50	50	50	50	250
51	0	50	50	50	50	250	150
52	0	50	50	50	250	150	150
53	0	50	50	250	150	150	150
54	0	50	250	150	150	150	150
55	30	270	170	170	170	170	170
56	30	170	170	170	170	170	170
57	30	170	170	170	170	170	170
58	30	170	170	170	170	170	170
59	30	170	170	170	170	170	170
60	160	160	160	160	160	160	160
61	100	100	100	100	100	100	100
62	240	240	240	240	240	240	240
63	200	200	200	200	200	200	200
64	140	140	140	140	140	140	140
65	260	260	260	260	260	260	260
66	200	200	200	200	200	200	200
67	200	200	200	200	200	200	200
68	200	200	200	200	200	200	200
69	200	200	200	200	200	200	200
70	200	200	200	200	200	200	200
71	200	200	200	200	200	200	200
72	200	200	200	200	200	200	200
73	200	200	200	200	200	200	200
74	200	200	200	200	200	200	200
75+	1000	1000	1000	1000	1000	1000	1000

Refund Rates

Termination of membership prior to eligibility for retirement from all causes other than death, disability or retirement, whether resulting in a refund or a deferred benefit, is assumed in accordance with the following illustrative rates per 1,000 members (2006).

PSRS	
Years of Credit	Rate
0	190.0
1	105.0
2	85.0
3	73.0
4	62.0
5	52.0
10	23.0
15	12.0
20	5.0
25+	0.0

PEERS	
Years of Credit	Rate
0	300.0
1	220.0
2	150.0
3	120.0
4	100.0
5	81.0
10	48.0
15	33.0
20	18.0
25+	0.0

Refund of Contributions

It is assumed that 88% of those leaving after earning five years of credit with PSRS leave their contributions in the fund and receive a vested benefit. The remaining 12% are assumed to take an immediate refund of their contributions, thus forfeiting their vested retirement benefit. If the present value of the deferred benefit is less than the member account balance, the member's account balance is valued (effective 6/30/11).

It is assumed that 80% of those leaving after earning five years of credit with PEERS leave their contributions in the fund and receive a vested benefit. The remaining 20% are assumed to take an immediate refund of their contributions, thus forfeiting their vested retirement benefit. If the present value of the deferred benefit is less than the member account balance, the member's account balance is valued (effective 6/30/11).

It is assumed that 100% of those leaving prior to earning five years of credit will take an immediate refund of their contributions.

Disability Rates

Retirement for disability prior to age 60 is assumed in accordance with the following illustrative rates per 1,000 eligible members (effective 6/30/11):

PSRS	
Age	Rates
25	0.017
30	0.080
35	0.160
40	0.320
45	0.610
50	0.960
55	1.310

PEERS	
Age	Rates
30	0.080
35	0.160
40	0.320
45	0.640
50	1.040
55	1.680
	0.000

Interest on Member Accounts

1.00% per annum (6/30/10).

Service Purchases

A 2.0% load is added to the Normal Cost to account for anticipated losses resulting from credit purchases and reinstatements (effective 6/30/11).

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 8.0% per year (effective 1980).

Dependent Assumptions

(Effective 6/30/11)

- 80% of male members and 70% of female members are assumed to be married.
- Beneficiaries are assumed to be of the opposite sex from the member.
- Male and female members are assumed to be four years older than their beneficiary.

Joint-and-Survivor Election

To recognize the subsidy present in the joint-and-survivor reduction factors calculated without provision for cost-of-living adjustments, the active member costs resulting from all decrements except disability and refunds were loaded by 0.4%.

Survivor Benefits (PSRS only)

All active members under age 50 are assumed to have two dependent children. Each child is assumed to receive payments of \$860 per month for 18 years if the member is under age 32, and grading down to 0 years if the member is age 50 (effective 6/30/11).

Return of Unused Member Account Balance

Under the Single Life benefit plan, any unused balance of contributions and interest in the member account balance at the time of death is paid in a lump sum to a designated beneficiary. This benefit is approximated with a five-year certain benefit.

Actuarial Cost Method

The actuarial cost method is Entry Age Normal-Level Percent of Payroll.

The normal cost is calculated separately for each active member and is equal to the level percentage of payroll needed as an annual contribution from entry age to retirement age to fund projected benefits. The actuarial accrued liability on any valuation date is the accumulated value of such normal costs from entry age to the valuation date (effective 1947).

Asset Valuation Method

The Actuarial Value of Assets is a smoothed value of assets. 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 of that difference is added to the actuarial value along with corresponding amounts from each of the prior four years. The Actuarial Value of Assets was reset to market value at June 30, 2003 (effective 1994).

Amortization of Unfunded Actuarial Accrued Liability

Gains and losses occurring from census experience different than assumed and assumption changes are amortized over a 30-year period as a level percent of payroll. A new gain or loss base is established each year based on the additional gain or loss during that year and that base is amortized over a new 30-year period. The purpose of the method is to give a smooth progression of the costs from year to year and, at the same time, provide for an orderly funding of the unfunded liabilities. Increases or decrease in the Actuarial Accrued Liability caused by changes in the benefit provisions are amortized over 20 years, as determined in the 2007 session of the Legislature.

The method for amortizing the unfunded Actuarial Accrued Liability was changed from a rolling 30-year method to the closed 30-year method described above effective June 30, 2011.

Note: Dates reflect the effective date as adopted by the Board of Trustees. The most recent assumption analysis was performed as of June 30, 2011. The revised assumptions were used for the June 30, 2011 valuation.