



SCHEDULE D
(Continued)

DEATHS AFTER RETIREMENT: The RP-2000 Combined Mortality Table projected to 2025 using scale BB (set forward two years for males and one year for females) is used for death after service retirement and beneficiaries. The RP-2000 Disabled Mortality Table (set forward two years for males and seven years for females) is used for death after disability retirement. There is a margin for future mortality improvement in the tables used by the System. Based on the results of the most recent experience study adopted by the Board on September 19, 2016, the numbers of expected future deaths are 15-19% less than the actual number of deaths that occurred during the study period for healthy retirees and 13-17% less than expected under the selected table for disabled retirees. Representative values of the assumed annual rates of death after service retirement and after disability retirement are shown below:

Age	Annual Rate of Death After			
	Service Retirement		Disability Retirement	
	Male	Female	Male	Female
45	0.1609%	0.1135%	2.3306%	1.2482%
50	0.2474	0.1718	2.9279	1.5650
55	0.4246	0.2658	3.4400	1.7807
60	0.6985	0.4409	3.5881	2.3164
65	1.1300	0.8100	3.8275	3.1687
70	1.8697	1.3739	4.7566	4.4032
75	3.2147	2.2899	6.3153	6.0857
80	5.5160	3.7551	8.3527	8.4679
85	9.5631	6.3873	10.9122	12.7572
90	17.2787	11.2476	17.2787	19.4718
95	27.1263	18.1190	27.1263	24.2074



SCHEDULE E

SUMMARY OF MAIN PLAN PROVISIONS AS INTERPRETED FOR VALUATION PURPOSES

ELIGIBILITY FOR ACCESS TO RETIREE MEDICAL PLAN COVERAGE:

Service Retirement: For employees hired prior to July 1, 2008, Retiree Medical Plan coverage eligibility is attained when an employee retires, which is possible after the completion of 27 years of service or attainment of age 55 and 5 years of service. For employees hired on or after July 1, 2008, employees may retire after the completion of 27 years of service, the attainment of age 55 and 10 years of service, or the attainment of age 60 and 5 years of service, but must complete a minimum of 15 years of service to be eligible for Retiree Medical Plan coverage.

Disability Retirement: Disabled employees hired prior to July 1, 2008 with at least 5 years of service, who are totally and permanently incapable of being employed as a teacher, are eligible for Retiree Medical Plan coverage. Disabled employees hired after July 1, 2008 must have 15 years of service to be eligible for Retiree Medical Plan coverage.

Members and dependents under age 65 and eligible for Medicare due to a disability after January 1, 2013 are required to be covered under MEHP. Under age 65 members who retired prior to Jan. 1, 2013, are grandfathered from this requirement and allowed a choice of KEHP or MEHP coverage. Actual census data and current plan elections were used for current disabled retirees. Until sufficient experience emerges, the valuation conservatively assumes all future disabled members under the age of 65 will be covered under KEHP.

Survivors: Spouses of employees who die in service while eligible to retire, as well as survivors of service and disabled retirees, are eligible for Retiree Medical Plan coverage.

Termination: For employees hired prior to July 1, 2008 and who terminated with at least 5 years of service, Retiree Medical Plan coverage eligibility is attained at age 60. For employees hired on or after July 1, 2008 and who terminated with at least 15 years of service, Retiree Medical Plan coverage eligibility is attained at age 60.

Reemployed Retirees: Retirees who return to work in an agency that participates in KEHP are required to terminate their coverage through the System. Additionally, if a retiree returns to work somewhere that does not participate in the KEHP, but offers health insurance, the retiree must terminate System coverage unless the employer coverage is of lesser value. For valuation purposes, active employees identified as currently receiving retiree health care through the System are valued as retirees.



**SCHEDULE E
(Continued)**

COVERED MEMBER RETIREE MEDICAL PLAN CONTRIBUTIONS:

Under Age 65 Retiree Shared Responsibility Contribution: Effective July 1, 2010, retirees under the age of 65 began a three-year phase-in of the Shared Responsibility Contribution. This contribution reduces the applicable amount of the full contribution provided by the System to retirees, by adjusting the Shared Responsibility Contribution amount by 100% less the appropriate percentage from the Retiree Percentage Contribution table below. Effective July 1, 2012, the full Shared Responsibility Contribution equals the Standard Medicare Part B premium paid by retirees ages 65 and older.

Monthly Under Age 65 Shared Responsibility Contribution Timeline			
Effective Date	Medicare Part B Monthly Cost	Formula	Shared Responsibility Contribution
July 1, 2010	\$110.50	(1/3 x \$110.50)	\$ 37.00
January 1, 2011	115.40	(1/3 x 115.40)	39.00
July 1, 2011	115.40	(2/3 x 115.40)	77.00
January 1, 2012	99.90	(2/3 x 99.90)	66.00
July 1, 2012	99.90	99.90	99.90
January 1, 2013	104.90	104.90	104.90
January 1, 2014	104.90	104.90	104.90
January 1, 2015	104.90	104.90	104.90
January 1, 2016	121.80	121.80	121.80
January 1, 2017	134.00	134.00	134.00
January 1, 2018	134.00	134.00	134.00

Retiree Years of Service Percentage Contribution: Retirees contribute the following percentages based on years of service at retirement, which are then applied to the Retiree Contribution Rate Basis:

Retiree Percentage Contribution*				
Year of Service	Entered System Before 7/1/2002		Entered System After 6/30/2002 and Before 7/1/2008	Entered System After 6/30/2008
	Age 65 or Older and Covered Before 1/1/2005	Age 65 After or Covered After 12/31/2004		
5 – 9.99	30%	75%	90%	Not Eligible
10 – 14.99	20	50	75	Not Eligible
15 – 19.99	10	25	55	55%
20 – 24.99	0	0	35	35
25 – 25.99	0	0	10	10
26 – 26.99	0	0	5	5
27 or more	0	0	0	0

*0% for disabled retirees that retired prior to 1/1/2002



SCHEDULE E
(Continued)

COVERED MEMBER RETIREE MEDICAL PLAN CONTRIBUTIONS (CONTINUED):

Monthly Retiree Contribution Rate Basis Effective January 1, 2018					
Tier Elected	Under Age 65 (KEHP)				Ages-65 and Older (MEHP)
	LivingWell CDHP	LivingWell PPO	Standard PPO	Standard CDHP	
Single	\$ 660.04	\$ 646.96	\$ 635.46	\$ 656.60	\$258.00
Parent Plus	851.84	802.26	847.99	878.24	n/a
Couple	1,029.02	1,060.74	1,197.60	1,189.96	n/a
Family	1,131.64	1,105.34	1,314.66	1,303.24	n/a
Family C-R	738.64	719.12	743.42	771.84	n/a

Under Age 65 Retiree Plan Cost Contribution: An additional contribution according to the table below is required to be paid by retirees under the age of 65 based upon the plan elected and the date of retirement:

Monthly Under Age 65 Plan Cost Contribution* Effective January 1, 2018				
Tier Elected	LivingWell CDHP	LivingWell PPO	Standard PPO	Standard CDHP
Single	\$ 49.42	\$ 82.38	\$ 49.92	\$ 26.20
Parent Plus	126.66	234.82	127.92	62.40
Couple	296.62	528.36	299.58	260.06
Family	348.12	662.26	351.60	312.06
Family C-R	80.32	157.56	81.12	29.10

* Does not include the additional contribution required to be paid by retirees under the age of 65 who use tobacco (\$40 for Single or Family Cross-Reference, and \$80 for Parent Plus, Couple or Family).



**SCHEDULE E
(Continued)**

COVERED MEMBER MEDICAL PLAN CONTRIBUTIONS (CONTINUED):

Spouse Contributions: 100% of the full cost for non-Medicare eligible dependents is paid through a combination of payments from beneficiaries and the State. Spouses of current post-65 retirees and surviving spouses of deceased retirees with a date of death on or after July 1, 2002 pay 100% of the full contribution. Spouses of active members who died while eligible to retire prior to July 1, 2002, are provided the same subsidy by the System that would have been provided to the retiree for the lifetime of the spouse, or until remarriage. Spouses of active members who die while eligible to retire on or after July 1, 2002 later pay 100% of the full contribution.

Monthly Surviving Spouse Contribution Effective January 1, 2018					
Tier Elected by Surviving Spouse	Under Age 65 (KEHP)				Ages 65 and Older (MEHP)
	LivingWell CDHP	LivingWell PPO	Standard PPO	Standard CDHP	
Single	\$716.90	\$736.78	\$692.82	\$690.24	\$258.00
Parent Plus	985.94	1,044.52	983.35	948.08	n/a

SYSTEM RETIREE MEDICAL PLAN CONTRIBUTIONS: The System Contribution Rate Basis is determined annually by the System; and the full cost is projected based on historical claims data. For retirees, the following percentages are based on years of service at retirement and are then applied to the System Contribution Rate Basis:

Percentage of System Contribution Rate Provided to Retirees*				
Year of Service	Entered System Before 7/1/2002		Entered System After 6/30/2002 and Before 7/1/2008	Entered System After 6/30/2008
	Age 65 or Older and Covered Before 1/1/2005	Age 65 After or Covered After 12/31/2004		
5 – 9.99	70%	25%	10%	Not Eligible
10 – 14.99	80	50	25	Not Eligible
15 – 19.99	90	75	45	45%
20 – 24.99	100	100	65	65
25 – 25.99	100	100	90	90
26 – 26.99	100	100	95	95
27 or more	100	100	100	100

*100% for disabled retirees that retired prior to 1/1/2002



**SCHEDULE E
(Continued)**

SYSTEM RETIREE MEDICAL PLAN CONTRIBUTIONS (CONTINUED):

Monthly System Contribution Rate Basis Effective January 1, 2018					
Tier Elected	Under Age 65 (KEHP)*				Ages-65 and Older (MEHP)
	LivingWell CDHP	LivingWell PPO	Standard PPO	Standard CDHP	
Single	\$ 660.04	\$ 646.96	\$ 635.46	\$ 656.60	\$258.00
Parent Plus	851.84	802.26	847.99	878.24	n/a
Couple	1,029.02	1,060.74	1,197.60	1,189.96	n/a
Family	1,131.64	1,105.34	1,314.66	1,303.24	n/a
Family C-R	738.64	719.12	743.42	771.84	n/a

**Irrespective of a participating retiree's service, an additional \$7.44 per month is paid by the System to the Department of Employee Insurance (DEI) for KEHP coverage.*

ACTIVE MEMBER RETIREE MEDICAL PLAN CONTRIBUTIONS: Actively employed members make payroll contributions to the Medical Insurance Fund based upon the following schedule:

Active Member Percentage of Payroll Contribution Made to Medical Insurance Fund

Active Member Percentage of Payroll Contribution Made to Medical Insurance Fund					
University Employees		School District Employees (Non-Federal)		Other Employees	
Hired Before 7/1/2008	Hired On or After 7/1/2008	Hired Before 7/1/2008	Hired On or After 7/1/2008	Hired Before 7/1/2008	Hired On or After 7/1/2008
2.775	2.775	3.750	3.750	3.750	3.750



SCHEDULE E
(Continued)

LIFE INSURANCE PLAN BENEFITS:

(1) Effective July 1, 2000, the Teachers' Retirement System shall:

- (a) Provide a life insurance benefit in a minimum amount of five thousand dollars (\$5,000) for its members who are retired for service or disability. This life insurance benefit shall be payable upon the death of a member retired for service or disability to the member's estate or to a party designated by the member on a form prescribed by the retirement system; and
- (b) Provide a life insurance benefit in a minimum amount of two thousand dollars (\$2,000) for its active contributing members. This life insurance benefit shall be payable upon the death of an active contributing member to the member's estate or to a party designated by the member on a form prescribed by the retirement system.

Note: Members employed on a substitute or part-time basis and working at least 69% of a full contract year in a single fiscal year will be eligible for a life insurance benefit for the balance of the fiscal year or the immediately succeeding fiscal year under certain conditions. For non-vested members employed on a substitute or part-time basis, the life insurance benefit is provided if death occurs as the result of a physical injury on the job. For vested members employed on a substitute or part-time basis, death does not have to be the result of a physical injury on the job for life insurance benefits to be provided.



SCHEDULE F

**TABLE 1
ACTIVE MEMBER AGE AND SERVICE TABLE AS OF JUNE 30, 2016**

Attained Age	Completed Years of Service								Total
	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	>= 35	
24 & under	3,124	1							3,125
Total Pay	68,700,220	36,417							68,736,637
Avg. Pay	21,991	36,417							21,996
25 to 29	5,751	1,743	7						7,501
Total Pay	198,454,302	85,098,224	334,900						283,887,426
Avg. Pay	34,508	48,823	47,843						37,847
30 to 34	2,848	4,611	1,634	3	1				9,097
Total Pay	90,403,505	233,923,522	94,411,429	171,534	56,099				418,966,089
Avg. Pay	31,743	50,732	57,779	57,178	56,099				46,055
35 to 39	2,295	2,148	4,704	1,350	5				10,502
Total Pay	65,212,518	109,964,711	281,588,809	86,949,175	337,006				544,052,219
Avg. Pay	28,415	51,194	59,862	64,407	67,401				51,805
40 to 44	1,760	1,437	2,082	4,055	1,030	3			10,367
Total Pay	46,610,992	74,259,161	124,959,603	269,604,678	72,709,546	214,424			588,358,404
Avg. Pay	26,484	51,677	60,019	66,487	70,592	71,475			56,753
45 to 49	1,436	1,141	1,563	2,184	3,465	995	1		10,785
Total Pay	36,545,406	58,561,919	92,906,582	141,902,471	242,973,570	73,378,613	87,283		646,355,844
Avg. Pay	25,449	51,325	59,441	64,974	70,122	73,747	87,283		59,931
50 to 54	1,218	666	987	1,260	1,491	1,787	368	2	7,779
Total Pay	25,538,756	33,551,742	59,055,800	81,571,155	103,905,594	133,441,307	27,737,810	137,175	464,939,339
Avg. Pay	20,968	50,378	59,834	64,739	69,689	74,673	75,374	68,588	59,769
55 to 59	1,510	441	637	905	1,009	761	252	30	5,545
Total Pay	22,703,041	19,579,701	37,444,127	57,909,611	71,553,184	59,400,531	22,546,672	2,780,424	293,917,291
Avg. Pay	15,035	44,398	58,782	63,989	70,915	78,056	89,471	92,681	53,006
60 to 64	1,801	339	319	535	513	341	88	48	3,984
Total Pay	22,241,812	13,685,508	19,054,170	35,872,033	37,662,676	26,514,686	8,020,781	4,303,664	167,355,330
Avg. Pay	12,350	40,370	59,731	67,051	73,417	77,756	91,145	89,660	42,007
65 & over	2,176	505	146	186	175	137	68	52	3,445
Total Pay	18,334,805	11,267,510	8,493,619	12,919,583	12,962,784	11,860,877	6,223,797	4,952,788	87,015,763
Avg. Pay	8,426	22,312	58,175	69,460	74,073	86,576	91,526	95,246	25,259
Total	23,919	13,032	12,079	10,478	7,689	4,024	777	132	72,130
Total Pay	594,745,357	639,928,415	718,249,039	686,900,240	542,160,459	304,810,438	64,616,343	12,174,051	3,563,584,342
Avg. Pay	24,865	49,104	59,463	65,556	70,511	75,748	83,161	92,228	49,405

Average Age: 43.5

Average Service: 10.8



**SCHEDULE F
(Continued)**

**TABLE 2
SCHEDULE OF TOTAL ACTIVE MEMBER VALUATION DATA**

Valuation Date	Number	Annual Payroll	Annual Average Pay	Percentage Increase in Average Pay
6/30/2017	72,130	\$3,563,584,342	\$49,405	0.35%
6/30/2016	71,848	3,537,226,348	49,232	1.19
6/30/2015	72,246	3,515,113,126	48,655	2.45
6/30/2014	73,407	3,486,326,799	47,493	2.12
6/30/2013	74,831	3,480,066,406	46,506	1.51
6/30/2012	75,951	3,479,567,004	45,813	1.33

**TABLE 3
ELIGIBLE DEFERRED VESTED MEMBERS AS OF JUNE 30, 2017
MALE AND FEMALE DEMOGRAPHIC BREAKDOWN**

Attained Age	Medical Insurance Fund			Life Insurance Fund		
	Number of		Total Number	Number of		Total Number
	Males	Females		Males	Females	
Under 30	1	0	1	16	46	62
30-34	79	354	433	169	645	814
35-39	288	900	1,188	341	1,030	1,371
40-44	294	940	1,234	338	1,051	1,389
45-49	322	1,116	1,438	345	1,216	1,561
50-54	282	974	1,256	310	1,045	1,355
55-59	204	782	986	222	833	1,055
60 & Over	248	626	874	262	656	918
Total	1,718	5,692	7,410	2,003	6,522	8,525



SCHEDULE F
(Continued)

TABLE 4
ALL RETIREES AND SPOUSES RECEIVING HEALTH CARE BENEFITS AS OF JUNE 30, 2017
MALE AND FEMALE DEMOGRAPHIC BREAKDOWN

Attained Age	Number of		Total Number
	Males	Females	
Under 40	3	16	19
40-44	22	46	68
45-49	77	194	271
50-54	398	952	1,350
55-59	1,136	2,818	3,954
60-64	2,461	5,585	8,046
65-69	3,777	8,189	11,966
70-74	3,227	5,739	8,966
75-79	1,993	3,485	5,478
80-84	1,271	2,114	3,385
85-89	607	1,409	2,016
90-94	211	677	888
95-99	50	187	237
100	1	11	12
101	1	6	7
102	0	5	5
103	1	11	12
104	0	1	1
105 & Over	0	5	5
Total	15,236	31,450	46,686



**SCHEDULE F
(Continued)**

**TABLE 5
SCHEDULE OF RETIRANTS, BENEFICIARIES AND SURVIVORS ADDED TO AND REMOVED FROM ROLLS***

Medical Insurance Fund									
Fiscal Year Ending June 30	Number of Members Added to Rolls	Number of Spouses** Added to Rolls	Total Number Added to Rolls	Number of Members Removed from Rolls	Number of Spouses** Removed from Rolls	Total Number Removed from Rolls	Number of Members on Rolls at the End of the Year	Number of Spouses** on Rolls at the End of the Year	Total Number on Rolls at the End of the Year
2012	1,996	702	2,698	1,029	616	1,645	36,000	7,008	43,008
2013	1,853	664	2,517	1,076	619	1,695	36,777	7,053	43,830
2014	1,663	638	2,301	1,165	660	1,825	37,275	7,031	44,306
2015	1,990	731	2,721	1,190	633	1,823	38,075	7,129	45,204
2016	2,045	726	2,771	1,305	674	1,979	38,815	7,181	45,996
2017	1,835	699	2,534	1,153	691	1,844	39,497	7,189	46,686

*Reflects members, spouses, and beneficiaries participating in a health care plan.

**Includes spouses, beneficiaries, and surviving spouses.

**TABLE 6
SCHEDULE OF RETIRANTS, BENEFICIARIES AND SURVIVORS ADDED TO AND REMOVED FROM ROLLS***

Life Insurance Fund								
Fiscal Year Ending June 30	Number Added to Rolls	Life Insurance Benefit (\$1,000's)	Number Removed from Rolls	Life Insurance Benefit (\$1,000's)	Number on Rolls at the End of the Year	Life Insurance Benefit (\$1,000's)	Increase in Life Insurance Benefit	Average Life Insurance Benefit
2012	2,364	11,820	880	4,400	42,602	213,010	3.61	5,000
2013	2,195	10,975	952	4,760	43,845	219,225	2.92	5,000
2014	1,964	9,820	954	4,770	44,855	224,275	2.30	5,000
2015	2,270	11,350	1,641	8,205	45,484	227,420	1.40	5,000
2016	2,394	11,970	807	4,035	47,071	235,355	3.49	5,000
2017	2,175	10,875	1,021	5,105	48,225	241,125	2.45	5,000

*The life insurance benefit is payable upon the death of only members retired for service or disability. Numbers do not include life insurance benefits payable upon the death of an active contributing member.