

**PUBLIC SCHOOL RETIREMENT SYSTEM
OF THE CITY OF ST. LOUIS**

MINUTES OF THE BOARD OF TRUSTEES REGULAR MEETING

October 17, 2016

I. ROLL CALL AND ANNOUNCEMENT OF A QUORUM

The October meeting of the Board of Trustees of the Public School Retirement System of the City of St. Louis (PSRSSTL) was called to order at 4:35 p.m., Monday, October 17, 2016. The meeting was held in the 2nd floor boardroom of the PSRSSTL office building located at 3641 Olive Street, St. Louis, Missouri. Joseph Clark, Chairman of the Board of Trustees, was the presiding officer.

Roll Call was taken and Trustees Christina Bennett, Paula Bentley, Joseph Clark, Sheila Goodwin, Mary Houlihan, Charles Shelton, Rick Sullivan and Eural Thomas were present. The Board of Trustees had a quorum at the meeting. Trustee John Moten joined the meeting in progress. Trustee Yvette Levy was absent.

Executive Director, Andrew Clark, Accounting Specialist, Terry Mayes, PSRSSTL Attorney Representative, Matt Gierse, PSRSSTL Actuary, Steve Siepman, and PSRSSTL Actuary Representative, Paul Baughner, were also present.

The Chairman asked for a motion to move the New Business agenda item to after the Report of the Attorney.

Charles Shelton made a motion, seconded by Sheila Goodwin, to move the New Business agenda item to the end of the meeting after the Report of the Attorney.

By voice vote, motion carried.

II. APPROVAL OF MINUTES FROM LAST MEETING

Christina Bennett made a motion, seconded by Charles Shelton, to approve the minutes of the Board of Trustees Regular Meeting of August 15, 2016.

By voice vote, motion carried.

III. READING OF COMMUNICATIONS TO THE BOARD OF TRUSTEES

None

IV. PRESENTATIONS BY INTERESTED PARTIES

None

V. CONSENT AGENDA

Christina Bennett made a motion, seconded by Sheila Goodwin, to approve the Retirements and Benefits for September and October 2016.

By voice vote, motion carried.

Christina Bennett made a motion, seconded by Charles Shelton, to approve the Refunds and Bills for August and September 2016.

By voice vote, motion carried.

VI. UNFINISHED BUSINESS

None

VII. REPORT OF THE CHAIRPERSON

None

VIII. REPORT OF THE EXECUTIVE DIRECTOR

The Executive Director reported on the Independent Auditor's Report on the Schedules of Pension Information for Participating Employers as required under Governmental Accounting Standards Board (GASB) Statement No. 68, and 2016 Trustee Travel Expenses, by referring to documents in the board packet. The Executive Director updated the Trustees on the status of the contract and funding of the new hedge fund investment with Grosvenor Capital Management, L.P., and the two Active Trustee Elections. The Executive Director concluded the report by announcing the retirement of the Receptionist, Brenda Buggs, and updating the Trustees on the search to find a new receptionist.

IX. REPORT OF THE INVESTMENT CONSULTANT

None

X. REPORT OF THE ACTUARY

The Actuary presented the retirement system's Five-Year Experience Analysis for calendar years 2011 – 2016 by reviewing a discussion document with the Board of Trustees. The Actuary reported findings on the system's withdrawal, retirement and mortality rates, and made several recommendations on changes to the Actuarial Assumptions in these areas.

The Actuary continued by presenting findings on two key Economic Assumptions: annual salary increases and the investment return percentage. The Actuary recommended decreasing the investment return assumption from 8% to 7.5%, and changing the assumed annual salary increase from 4.5% to 5% for members with less than five (5) years of service and to 3.5% for members with five (5) or more years of service.

There was lengthy discussion on the effects of the recommended assumption changes to future employer contribution rates. The Actuary presented information on the consequences of maintaining the current, closed 30-year amortization period started in 2006 vs. resetting the amortization period to a new 30-year period beginning with 2016.

The Trustees discussed the amortization period issue until it appeared a general consensus was reached on the Five-Year Experience Analysis.

Charles Shelton made a motion, seconded by Sheila Goodwin, to adopt the Five-Year Experience Study and assumption changes as recommended by the Actuary.

A roll call vote was taken.

Christina Bennett	Yes	Paula Bentley	Yes	Joseph Clark	Yes
Sheila Goodwin	Yes	Mary Houlihan	Yes	John Moten	Yes
Charles Shelton	Yes	Rick Sullivan	Yes	Eural Thomas	Yes

With nine yes votes, motion carried.

Christina Bennett made a motion, seconded by Sheila Goodwin, to reset the Unfunded Frozen Actuarial Accrued Liability (UFAAL) amortization period to 30-years according to the Five-Year Experience Study presented by the Actuary.

A roll call vote was taken.

Christina Bennett	Yes	Paula Bentley	Yes	Joseph Clark	Yes
Sheila Goodwin	Yes	Mary Houlihan	Yes	John Moten	Yes
Charles Shelton	Yes	Rick Sullivan	Yes	Eural Thomas	Yes

With nine yes votes, motion carried.

XI. REPORTS OF COMMITTEES OF THE BOARD OF TRUSTEES

The Chairman asked for reports from the Committees.

Benefits Committee

None

Trustee Business Committee

None

Investment Committee

Joe Clark, Chair of the Investment Committee, reported on the meeting of August 18, 2016, by reviewing the meeting minutes. The Chair informed the Trustees that the two recommended action items were being delayed until after the Investment Committee and Special Board Meetings scheduled for Thursday, October 20, 2016. It was clarified that the Investment Committee recommendations were being delayed, not rescinded.

The Chair encouraged all the Trustees to attend the upcoming Investment Committee and Special Board Meetings on Thursday, October 20, 2016.

Legislative, Rules & Regulations Committee

None

Professional Contracts Committee

None

XII. REPORT OF THE ATTORNEY

None

XIII. NEW BUSINESS

The Chairman asked for a motion to close the meeting and move into Executive Session.

Christina Bennett made a motion, seconded by Eural Thomas, to close the meeting and move into Executive Session, Pursuant to R. S. Mo. Section 610.21(12), to discuss a document related to a negotiated contract.

Christina Bennett	Yes	Paula Bentley	Yes	Joseph Clark	Yes
Sheila Goodwin	Yes	Mary Houlihan	Yes	John Moten	Yes
Charles Shelton	Yes	Rick Sullivan	Yes	Eural Thomas	Yes

With nine yes votes, motion carried, and the meeting closed at around 6:05 p.m.

Sheila Goodwin made a motion, seconded by Charles Shelton, to open the meeting and move out of Executive Session.

A vote was taken, and since a “yes” was heard from Christina Bennett, Paula Bentley, Joseph Clark, Sheila Goodwin, John Moten, Charles Shelton, Rick Sullivan and Eural Thomas, motion carried, and the meeting opened at around 6:45 p.m.

There were no decisions made during the closed portion of the meeting regarding the outcome of a negotiated contract.

XIV. ADJOURNMENT

Christina Bennett made a motion, seconded by Charles Shelton, to adjourn the meeting.

By voice vote, motion carried and the meeting adjourned at 6:45 p.m.

Attachments:

- Retirements Paid: September and October 2016
- Refunds & Bills Paid: August and September 2016
- Employer Schedules and Independent Auditors' Report, December 31, 2015 and 2014
- Travel Activity and Expenses, Calendar Year 2016
- PSRSSTL Five-Year Experience Analysis – October 17, 2016

APPLICATIONS FOR RETIREMENT

NAME \ POSITION	RETIREMENT DATE	TYPE	CREDITED SERVICE	FINAL AVG SALARY	MONTHLY BENEFIT
Gene Johns Stationary Engineer	6/1/2016	Normal	30.0000	\$57,249.73	\$2,862.49
Deanna Anderson Director Transportation	8/1/2016	Early	12.9522	\$131,717.57	\$2,274.67
Patricia Beglin Teacher	8/1/2016	Normal	18.5943	\$59,973.17	\$1,858.60
Carolyn Cox Teacher	8/1/2016	Normal	21.7611	\$66,056.78	\$2,395.78
Susie Day Head Custodian	8/1/2016	Early	5.0293	\$43,624.88	\$316.91
Ruby Goatley Teacher	8/1/2016	Normal	24.7444	\$72,162.21	\$2,976.02
John Knott Adult Ed Personnel	8/1/2016	Early	5.7722	\$70,467.96	\$597.98
Patricia Lamperti Teacher	8/1/2016	Normal	7.5688	\$44,205.30	\$448.90
James Morrison Teacher	8/1/2016	Early	9.0756	\$48,996.91	\$601.13
Terry Noble Director of HR	8/1/2016	Normal	5.2952	\$143,316.86	\$1,264.82
Barbara White School Nurse	8/1/2016	Normal	22.9444	\$66,135.33	\$2,529.06

To be Authorized and Approved
by the Board of Trustees

APPLICATIONS FOR RETIREMENT

NAME \ POSITION	RETIREMENT DATE	TYPE	CREDITED SERVICE	FINAL AVG SALARY	MONTHLY BENEFIT
Susan Decker Teacher	9/1/2016	Early	20.6944	\$76,617.92	\$2,525.14
Carlos Sproaps HVAC Technician	9/1/2016	Disability	10.4562	\$70,000.83	\$1,458.35

Distributions - August, 2016

CHECK NUMBER	CHECK DATE	LAST NAME	FIRST NAME/MI	GROSS PAY	FEDERAL TAXES W/H	NET PAY	A(Active) R(retired)	D(eath) S(eparation)	NOTES
071830	07/13/16	LOVE	DAPHYNE	(13,485.55)	(2,697.11)	(10,788.44)	A	S	VOID AND REISSUE
071833	07/13/16	MOLLINGER	PAUL	(4,724.23)		(4,724.23)	A	S	VOID AND REISSUE
071959	08/08/16	ASKINS	SCOTT	882.76	176.55	706.21	A	S	CLA
071960	08/08/16	CAMPBELL	CASSANDRA	7,724.59	1,544.92	6,179.67	A	S	JAMAA
071961	08/08/16	SIGETTE	MEGAN	2,675.76	535.15	2,140.61	A	S	SLIIS
071962	08/08/16	ALLEN	KATHLEEN	4,701.34		4,701.34	A	S	
071963	08/08/16	BLAKEMAN	JACKIE	7,181.00	1,436.20	5,744.80	A	S	
071964	08/08/16	BLANKENMEYER	ZOE	4,701.34	940.27	3,761.07	A	S	
071965	08/08/16	BUFORD	CHRISTA	3,151.97		3,151.97	A	S	
071966	08/08/16	CHISOM	MARIA	2,677.40	535.48	2,141.92	A	S	
071967	08/08/16	COLE	TRIMIEL C	4,161.85	832.37	3,329.48	A	S	
071968	08/08/16	FISCHER	VANESSA	5,803.68		5,803.68	A	S	
071969	08/08/16	GATES	KEVIN	559.57	111.91	447.66	A	S	
071970	08/08/16	GREENSTREET	MELISSA	2,457.11	491.42	1,965.69	A	S	
071971	08/08/16	HALL	JESSICA	2,457.11	491.42	1,965.69	A	S	
071972	08/08/16	KELLER	BRIAN	9,794.53	1,958.91	7,835.62	A	S	
071973	08/08/16	LOTITO	ALEX	4,701.36		4,701.36	A	S	
071974	08/08/16	MCGOWAN	KYLIE	7,180.82	1,436.16	5,744.66	A	S	
071975	08/08/16	MCKEARN	KATHARINE	2,507.38	501.48	2,005.90	A	S	
071976	08/08/16	NORMAN	CRYSTAL	9,888.14	1,977.63	7,910.51	A	S	
071977	08/08/16	TAYLOR	DIANA	56,299.68		56,299.68	A	S	
071978	08/08/16	TOLDEN-HUGHES	ANDREA	1,026.16	205.23	820.93	A	S	
071980	08/08/16	MOLLINGER	PAUL	4,724.23		4,724.23	A	S	VOID AND REISSUE
071981	08/18/16	BLANCHETTE	KELLY	6,271.72	1,254.34	5,017.38	A	S	IESM SLPS
071982	08/18/16	BROWN	TIFFANY	348.59		348.59	A	S	LFL
071983	08/18/16	FANDL	MELISSA	3,791.73		3,791.73	A	S	GSA-STL
071984	08/18/16	HAAS	SAVANNAH	10,398.38		10,398.38	A	S	KIPP SLPS
071985	08/18/16	JORRIN	ISYED	215.97	43.19	172.78	A	S	SLIIS
071986	08/18/16	MACLIN	RYAN	683.36	136.67	546.69	A	S	BLCA
071987	08/18/16	OLSON	STEPHANIE	3,483.38		3,483.38	A	S	SLIIS SLPS
071988	08/18/16	OWENS	BRITTANY	3,133.45	626.69	2,506.76	A	S	CA
071989	08/18/16	RAJ	ELIZABETH	1,439.65	287.93	1,151.72	A	S	BLCA CLOSED
071990	08/18/16	SINGLETON	LAVON	4,106.05	821.21	3,284.84	A	S	KIPP
071991	08/18/16	TERRANCE	ALEXANDER	6,222.05	1,244.41	4,977.64	A	S	GCAA SEF
071992	08/18/16	AUSTIN-TOLLIVER	NANCY	36,500.59	7,300.12	29,200.47	A	S	
071993	08/18/16	BLALOCK	PHYLLIS	2,152.45	430.49	1,721.96	A	S	
071994	08/18/16	CAMPBELL	RALPH	1,300.29	260.06	1,040.23	A	S	
071995	08/18/16	CARR	RASHAAN	1,635.66	327.13	1,308.53	A	S	

Distributions - August, 2016

CHECK NUMBER	CHECK DATE	LAST NAME	FIRST NAME/MI	GROSS PAY	FEDERAL TAXES W/H	NET PAY	A(Active) R(Retired)	D(eath) S(eparation)	NOTES
071996	08/18/16	CORNELL	BENJAMIN	23,161.52		23,161.52	A	S	
071997	08/18/16	DANIELS	ASHLEY	19,648.18	3,929.64	15,718.54	A	S	
071998	08/18/16	DRUMMER	DEMETRIS	1,641.08	328.22	1,312.86	A	S	
071999	08/18/16	FONTENOT	ALBERT	4,460.49	892.10	3,568.39	A	S	
072000	08/18/16	FRAZEE	JEFF	2,375.82		2,375.82	A	S	
072001	08/18/16	GRIFFIN	TORY	11,494.49	2,298.90	9,195.59	A	S	
072002	08/18/16	HOLMES	BARBARA D	21,337.60	4,087.22	17,250.38	A	S	
072003	08/18/16	HOLMES	TYRELL	11,063.37	2,212.67	8,850.70	A	S	
072004	08/18/16	JACKSON	TASHARA	14,720.29	2,944.06	11,776.23	A	S	
072005	08/18/16	JENKINS	ELENA	4,687.72	937.54	3,750.18	A	S	
072006	08/18/16	JOHNSON	JESSICA	4,004.33		4,004.33	A	S	
072007	08/18/16	JOKISCH	SARA	7,181.49	1,436.30	5,745.19	A	S	
072008	08/18/16	JONES	JACQUELINE	10,081.96	2,016.39	8,065.57	A	S	
072009	08/18/16	JORDAN	KAYLA	19,221.71		19,221.71	A	S	
072010	08/18/16	KENNEDY	ANNETTE	2,131.40	426.28	1,705.12	A	S	
072011	08/18/16	MCFARLAND	TASHANDRA	3,437.68	687.54	2,750.14	A	S	
072012	08/18/16	MADDOX	MARIANNE	4,701.35	940.27	3,761.08	A	S	
072013	08/18/16	MARTIN	ANNA	7,405.19	1,481.04	5,924.15	A	S	
072014	08/18/16	MONTI	ROY	12,000.00		12,000.00	A	S	
072015	08/18/16	MONTI	ROY	14,458.07	2,891.61	11,566.46	A	S	
072016	08/18/16	MOORE	IRMA	13,349.43	2,669.89	10,679.54	A	S	
072017	08/18/16	O BRYANT	BRITTANY	1,964.58	392.92	1,571.66	A	S	
072018	08/18/16	PRICE	BRYON	4,671.46	934.29	3,737.17	A	S	
072019	08/18/16	ROBINSON	DARION	916.42	183.28	733.14	A	S	
072020	08/18/16	RUSSELL	JOYCE	31,277.21	6,255.44	25,021.77	A	S	
072021	08/18/16	STRONG	KEESHA	10,000.00		10,000.00	A	S	
072022	08/18/16	STRONG	KEESHA	23,522.06	4,704.41	18,817.65	A	S	
072023	08/18/16	BURTON	RONALD	78,856.03	15,107.93	63,748.10	A	D	DEC: D BURTON
072049	08/29/16	ARMOUR	EBONI	381.92	76.38	305.54	A	S	IACA -CLOSED
072050	08/29/16	BAILEY	ISHIA	4,299.14	859.83	3,439.31	A	S	JAMAA -CLOSED
072051	08/29/16	BAILEY-STOBBS	THACKERY	1,747.38	349.48	1,397.90	A	S	KIPP
072052	08/29/16	BANKS	CHARLES	1,927.78	385.56	1,542.22	A	S	KIPP
072053	08/29/16	SICOLO	JESSICA	985.53	197.11	788.42	A	S	NCSC SLPS
072054	08/29/16	SIGETTE	TYSON	2,526.60	505.32	2,021.28	A	S	CLA
072055	08/29/16	WHITE	ADRIANNE	1,652.69	330.54	1,322.15	A	S	JAMAA -CLOSED
072056	08/29/16	BENIFIELD	WAYNE	3,026.07	605.21	2,420.86	A	S	
072057	08/29/16	BETTS	NYREE	68,873.94	13,774.79	55,099.15	A	S	
072058	08/29/16	BURNS-WALLACE	ROTONGER	1,727.47	345.49	1,381.98	A	S	

Distributions - August, 2016

CHECK NUMBER	CHECK DATE	LAST NAME	FIRST NAME/MI	GROSS PAY	FEDERAL TAXES W/H	NET PAY	A(Active) R(retired) S(separation)	D(eath)	NOTES
072059	08/29/16	CIOLEK	RAYMOND	25,602.28		25,602.28	A	S	
072060	08/29/16	HENDERSON	JAMES	30,291.75	6,058.35	24,233.40	A	S	
072061	08/29/16	IOVALDI	BARBARA	8,994.54	1,798.91	7,195.63	A	S	
072062	08/29/16	KILIAN	ABBY	2,202.28		2,202.28	A	S	
072063	08/29/16	MAILLE	MARY	21,800.62		21,800.62	A	S	
072064	08/29/16	MOISEEV	HANNAH	4,701.34		4,701.34	A	S	
072065	08/29/16	RAY	ROBYN	16,814.11	3,362.82	13,451.29	A	S	
072066	08/29/16	ROGERS	MELANIE	8,464.65	1,692.93	6,771.72	A	S	
072067	08/29/16	SILVERS	TONYA	22,223.24		22,223.24	A	S	
072068	08/29/16	SMITH	RODNEY	10,655.77		10,655.77	A	S	
072069	08/29/16	STRICKLIN	ADAM	2,310.78	462.16	1,848.62	A	S	
072070	08/29/16	VANDEGRIFF	JOSEPH	4,701.34	940.27	3,761.07	A	S	
072071	08/29/16	WILKS	ASHLEY	1,949.25	389.85	1,559.40	A	S	
072072	08/29/16	WILLIAMS III	JOSEPH	15,320.18		15,320.18	A	S	
072073	08/29/16	CAHILL	CLAYTON	68,870.89	6,887.09	61,983.80	A	D	DEC: JANET CAHILL
072074	08/29/16	HOLMES	TYRELL	59.98	12.00	47.98	A	S	BAL OF CONTRIB
072075	08/29/16	JACKSON	TASHARA	9.91	1.98	7.93	A	S	BAL OF CONTRIB
072076	08/29/16	MOORE	IRMA	89.22	17.84	71.38	A	S	BAL OF CONTRIB
072077	08/29/16	O BRYANT	BRITTANY	47.59	9.52	38.07	A	S	BAL OF CONTRIB
072078	08/29/16	RUSSELL	JOYCE	69.73	13.95	55.78	A	S	BAL OF CONTRIB
072079	08/29/16	LOVE	DAPHYNE	13,485.55	2,697.11	10,788.44	A	S	VOID AND REISSUE
TOTAL				\$ 918,315.77	\$ 122,742.66	\$ 795,573.11			

Distributions - September, 2016

CHECK NUMBER	CHECK DATE	LAST NAME	FIRST NAME/MI	GROSS PAY	FEDERAL TAXES W/H	NET PAY	A(Active) R(Retired)	D(eath) S(separation)	NOTES
072006	08/18/16	JOHNSON	JESSICA	(4,004.33)		(4,004.33)	A	S	VOID & REISSUE
072102	09/08/16	BLACKWELL	JEANETTE	1,672.60	334.52	1,338.08	A	S	CA
072103	09/08/16	BELL-GREENOUGH	AMANDA	13,294.01	2,658.80	10,635.21	A	S	SLPS PECLARUS IESM
072104	09/08/16	HORCH	MEGAN	5,279.68	1,055.94	4,223.74	A	S	GSA STL
072105	09/08/16	JUSTUS	PAULA	2,432.33		2,432.33	A	S	LFL
072106	09/08/16	MATYE	KRISTIN	2,132.74	426.55	1,706.19	A	S	AQS-CLA CLOSED
072107	09/08/16	PRUITT	TEQUILA	4,288.20	857.64	3,430.56	A	S	BLCA CLOSED
072108	09/08/16	ROTH	STEVEN	4,994.80	998.96	3,995.84	A	S	GSA STL, SLPS
072109	09/08/16	SADIKOVIC	LORINDA	4,507.26		4,507.26	A	S	PREMIER
072110	09/08/16	SHIVER	SAMANTHA	2,636.61	527.32	2,109.29	A	S	KIPP
072111	09/08/16	SHUE	STACEY	334.88	66.98	267.90	A	S	EAGLE
072112	09/08/16	WINSOOTT	TRISTI	4,436.84		4,436.84	A	S	GCAA
072113	09/08/16	VILLEGAS-VALENCIA	NATJELLI	7,280.55	1,456.11	5,824.44	A	S	CA
072114	09/08/16	ADAMS	LESLEY	3,118.48	623.70	2,494.78	A	S	
072115	09/08/16	ALTNETHER	JULIE	4,586.14	917.23	3,668.91	A	S	
072116	09/08/16	ADAMS	DIANE	25,764.14	5,152.83	20,611.31	A	S	
072117	09/08/16	ANDERTON	LINDA	5,508.18	1,101.64	4,406.54	A	S	
072118	09/08/16	DAVIS	CASSANDRA	10,117.02	2,023.40	8,093.62	A	S	
072119	09/08/16	HAMILTON	STACIE	13,696.44	2,739.29	10,957.15	A	S	
072120	09/08/16	HARDIN	CANDICE	20,431.52	4,086.30	16,345.22	A	S	
072121	09/08/16	HIGUERA	FERNANDO	12,894.29	2,578.86	10,315.43	A	S	
072122	09/08/16	JOERN	ASHLEY	9,794.52		9,794.52	A	S	
072123	09/08/16	MCKINLEY	ROSHION	18,996.30	3,799.26	15,197.04	A	S	
072124	09/08/16	PETERS	JOSEPH J	3,131.05	626.21	2,504.84	A	S	
072125	09/08/16	SIGMUND	BRIAN	1,448.41	289.68	1,158.73	A	S	
072126	09/08/16	WHITE	SHONTA	4,960.02		4,960.02	A	S	
072127	09/08/16	HILL THOMAS	ANITA	20,661.42		20,661.42	A	D	DEC: A HILL THOMAS
072145	09/20/16	ASHFORD	ANDREA	7,743.53		7,743.53	A	S	CA SLPS
072146	09/20/16	BELL	AMANDA	2,130.70	426.14	1,704.56	A	S	NSCS
072147	09/20/16	CLOYD	KALONDA	1,254.23	250.85	1,003.38	A	S	KIPP
072148	09/20/16	DOWNES-JOYNER	STEFANIE	8,932.52	1,786.50	7,146.02	A	S	STL
072149	09/20/16	HARRIS	ERIKA	3,984.59	796.92	3,187.67	A	S	CA
072150	09/20/16	MOOREHEAD	GARNET	196.67		196.67	A	S	LFL
072151	09/20/16	SAWTELL	GILLIAN	1,160.65		1,160.65	A	S	CA
072152	09/20/16	SHARPLEY	MURIEL	7,669.27	1,533.85	6,135.42	A	S	CA
072153	09/20/16	TIMPE	SAMANTHA	93.70		93.70	A	S	GSA-STL
072154	09/20/16	VERNITTE	JOHN	3,915.04		3,915.04	A	S	GSA-STL
072155	09/20/16	ALLRED	KIMBERLY	4,182.72	836.54	3,346.18	A	S	

Distributions - September, 2016

CHECK NUMBER	CHECK DATE	LAST NAME	FIRST NAME/MI	GROSS PAY	FEDERAL TAXES W/H	NET PAY	A(Active) R(Retired)	D(eath) S(separation)	NOTES
072156	09/20/16	BRIGGS	NIKKOLE	3,268.02		3,268.02	A	S	
072157	09/20/16	BUCKLEY	TRAVIS	4,355.80	871.16	3,484.64	A	S	
072158	09/20/16	ELLISON	MICHEL	7,184.70	1,436.94	5,747.76	A	S	
072159	09/20/16	HENNESSEY	JENNIFER	6,276.73		6,276.73	A	S	
072160	09/20/16	JOHNSON	MARY	3,240.58	648.12	2,592.46	A	S	
072161	09/20/16	LEWIS	CARYN	11,609.48	2,321.90	9,287.58	A	S	
072162	09/20/16	MCCOTTRELL	SONJELA	9,353.70	1,870.74	7,482.96	A	S	
072163	09/20/16	MILLER	VERNITA	1,589.66	317.93	1,271.73	A	S	
072164	09/20/16	PATIENT	LAWRENCE	1,385.63	277.13	1,108.50	A	S	
072165	09/20/16	PECK	WILLIAM	55,737.08	11,147.42	44,589.66	A	S	
072166	09/20/16	WIEGERT	STEPHANIE	2,319.19		2,319.19	A	S	
072167	09/20/16	DURHAM	ADAM	7,585.03		7,585.03	A	S	
072168	09/20/16	JOHNSON	JESSICA	4,004.33		4,004.33	A	S	VOID & REISSUE
072169	09/28/16	BYRD	ASHLEY	3,752.83	750.57	3,002.26	A	S	JAMAA SLPS
072170	09/28/16	CATARINICCHIA	SUZANNE	6,418.52	1,283.70	5,134.82	A	S	CA
072171	09/28/16	COOLEY	TAMEKA	8,954.94	1,790.99	7,163.95	A	S	CA
072172	09/28/16	GONAZALEZ-FRANKLI	JULIA	10,278.55		10,278.55	A	S	CA
072173	09/28/16	GREENE	DANIELA	1,950.00	390.00	1,560.00	A	S	CA
072174	09/28/16	HARTZKE	LESLEA	483.33	96.67	386.66	A	S	EAGLE
072175	09/28/16	HOWARD	NICHOLAS	6,376.04		6,376.04	A	S	CA
072176	09/28/16	JEFFERSON	ERIK	638.57	127.72	510.85	A	S	CA
072177	09/28/16	MCCOY	CHRYSYAL	2,637.40	527.48	2,109.92	A	S	CA
072178	09/28/16	NELSON	JESSICA	2,086.17	417.23	1,668.94	A	S	CA
072179	09/28/16	NEVERLS-DOSS	PARIS	22,127.13	4,425.43	17,701.70	A	S	IAAS SLPS
072180	09/28/16	SCHEETZ	MARY ELLEN	4,838.79	967.76	3,871.03	A	S	CA
072181	09/28/16	SHEPLEY	MARY	2,797.65	559.53	2,238.12	A	S	KIPP
072182	09/28/16	SIERRA-SCOTT	KERRI	1,330.37	266.07	1,064.30	A	S	CA
072183	09/28/16	STAMBOLIC	AMINA	1,604.77	320.95	1,283.82	A	S	GSA STL
072184	09/28/16	WALKER SR	KENRIC	4,291.52	858.30	3,433.22	A	S	CA
072185	09/28/16	WOODCOCK	TIM	2,293.27		2,293.27	A	S	GCAA
072186	09/28/16	AZAR	CHRISTOPHER	29,569.98		29,569.98	A	S	
072187	09/28/16	BOYD	MERRIMAN	37,338.36		37,338.36	A	S	
072188	09/28/16	CARPENTER	MIA	14,031.91	2,806.38	11,225.53	A	S	
072189	09/28/16	HARVEY	ROSLYN	2,198.73		2,198.73	A	S	
072190	09/28/16	JONES	KATHRYN	2,386.89	477.38	1,909.51	A	S	
072191	09/28/16	MILLER	TRENESHA	2,038.35	407.67	1,630.68	A	S	
072192	09/28/16	NAVARRETE	EBONY	1,652.51	330.50	1,322.01	A	S	
072193	09/28/16	PAGE	AVIVA	6,707.56	1,341.51	5,366.05	A	S	

Distributions - September, 2016

CHECK NUMBER	CHECK DATE	LAST NAME	FIRST NAME/MI	GROSS PAY	FEDERAL TAXES W/H	NET PAY	A(ctive) R(etired)	D(eath) S(eparation)	NOTES
072194	09/28/16	PORTER	DENNIS	9,476.27	1,895.25	7,581.02	A	S	
072195	09/28/16	RICHARDS	SAMANTHA	4,655.82		4,655.82	A	S	
072196	09/28/16	SMITH	LESLIE	2,471.47	494.29	1,977.18	A	S	
072197	09/28/16	FOSTER	CHARLES	20,661.42	2,066.14	18,595.28	A	D	DEC: A HILL THOMAS Benef #2
TOTAL				\$ 579,616.77	\$ 79,444.88	\$ 500,171.89			

Public School Retirement System of the City of St. Louis
Checks Written During the Month of August, 2016

<u>Payee</u>	<u>Ck. Number</u>	<u>Description</u>	<u>Amount</u>
Date Paid August 5, 2016			
Office Payroll	ACH	Office Payroll	9,958.26
AXA Equitable	ACH	457 Contributions	2,423.00
Ameren Missouri	71926	Electric Service	2,846.24
AT&T	71927	U-Verse Internet	50.00
Purchase Power	71928	Postage	1,000.00
Office Essentials	71929	Office Supplies	79.21
OffsiteDataSync	71930	Online Backups	208.12
BuildingStars STL Operations, Inc.	71931	Janitorial Service and Supplies	1,713.26
Windstream Communications	71932	Telephone, Data	517.74
Minuteman Press	71933	Window Envelopes	401.25
MSD	71934	Sewer Service	43.11
Crossroads Courier, Inc.	71935	Courier Service	5.84
Pitney Bowes, Inc.	71936	Postage Supplies	101.99
Tech Electronics, Inc.	71937	Technical Support	1,832.00
MAPERS	71938	Conference Registration Fee - Sheila Goodwin	75.00
Paula R. Bentley	71939	Reimbursement - 2016 MAPERS Conference	5.43
Paula R. Bentley	71940	Reimbursement - NCTR Annual Trustee Worksho	3.13
Republic Services #346	71941	Trash Pick-Up	134.01
St. Louis Mat & Linen Company	71942	Floor Mats	53.00
Tech Electronics, Inc.	71943	Central Monitoring of Fire Alarm System	87.00
Greenland Fire Protection, LLC	71944	Backflow Inspection	195.00
Causeway Capital Management LLC	71945	2nd Quarter 2016 Management Fee	63,783.27
The Edgar Lomax Company	71946	2nd Quarter 2016 Management Fee	42,018.29
Fidelity Institutional Asset Mgmt. Trust Company	71947	2nd Quarter 2016 Management Fee	63,183.42
INTECH Investment Management LLC	71948	2nd Quarter 2016 Management Fee	31,014.36
New Amsterdam Partners, LLC	71949	2nd Quarter 2016 Management Fee	21,399.91
Progress Investment Management Co. LLC	71950	2nd Quarter 2016 Management Fee	66,630.85
TCW Asset Management Company	71951	2nd Quarter 2016 Management Fee	46,615.39
Westfield Capital Management Company, LP	71952	2nd Quarter 2016 Management Fee	52,279.44
US Bank	71953	2nd Quarter 2016 Custodial Fees	37,311.10
Board of Education St. Louis Benefits Trust	71956	Office Employees Insurance - Life	63.60
Board of Education St. Louis Benefits Trust	71957	Office Employees Insurance - Dental	242.94
Board of Education St. Louis Benefits Trust	71958	Office Employees Insurance - Vision	16.16
Date Paid August 19, 2016			
Office Payroll	ACH	Office Payroll	9,958.26
AXA Equitable	ACH	457 Contributions	2,423.00
Date Paid August 22, 2016			
Absopure Water Company	72024	Water Cooler Service	53.85
Buck Consultants, LLC	72025	Actuarial Consulting Services - July and August	13,966.00
Access	72026	Scanning Services	395.30
Gallagher Benefit Services, Inc.	72027	Group Ins. Consulting Services Monthly Fee	3,320.25
Blade Technologies, Inc.	72028	Professional Services	1,571.34
Charter Communications	72029	Spectrum Internet and Voice	179.96
Parking Management Services, LLC	72030	September 2016 Parking - 1 Employee	65.00
Parking Management Services, LLC	72031	Parking Ticket Validations - July 2016	34.50
Eazy Business Mailers, Inc.	72032	Postage - Daily Pickup	200.00
Digital Intersection	72033	Monthly Data Center Housing	150.00
Hartnett Gladney Hettermann, L.L.C.	72034	Legal Fees	9,686.35
Andrew Clark	72035	Miscellaneous Trustee Meeting Expenses	38.67
Office Essentials	72036	Office Supplies	256.49
Crossroads Courier, Inc.	72037	Courier Service	7.02
American Solutions for Business	72038	Laser Checks - Operating Account	277.44
Jupiter Consulting Services, LLC	72039	Programming Consulting	7,812.00
The Berwyn Group	72040	Death Check Verification Services	110.00
NCTR	72041	Trustee Workshop Registration - Sheila Goodwin	2,060.00
NCTR	72042	Annual Conference Registration - Charles Shelton	1,080.00
CBRE - 608844	72043	Building Mgmt. - September 2016	1,100.00
CBRE - 608844	72044	Engineer Services	1,049.88
Mellon Capital Management Corporation	72045	2nd Quarter 2016 Management Fee	71,818.54
Mellon Capital Management Corporation	72046	2nd Quarter 2016 Management Fee	783.17
NEPC, LLC	72047	2nd Quarter 2016 Consulting Fee	33,013.82
NEPC, LLC	72048	2nd Quarter 2016 Alt. Investment Mgmt. Fee	12,500.00
TOTAL			<u>\$620,202.16</u>

Public School Retirement System of the City of St. Louis
Checks Written During the Month of September, 2016

<u>Payee</u>	<u>Ck. Number</u>	<u>Description</u>	<u>Amount</u>
Date Paid September 2, 2016			
Office Payroll	ACH	Office Payroll	9,958.26
AXA Equitable	ACH	457 Contributions	2,423.00
Date Paid September 6, 2016			
Ameren Missouri	72080	Electric Service	2,688.17
AT&T	72081	U-Verse Internet	50.00
Purchase Power	72082	Postage	1,068.64
Office Essentials	72083	Office Supplies	74.08
OffsiteDataSync	72084	Online Backups	208.12
Windstream Communications	72085	Telephone, Data	517.73
Minuteman Press	72086	Newsletters & Envelopes, Member Handbooks	3,439.64
MSD	72087	Sewer Service	47.45
Digital Intersection	72088	Monthly Data Center Hosting	150.00
Parking Management Services, LLC	72089	Parking Ticket Validations - August 2016	27.00
Eazy Business Mailers, Inc.	72090	Postage - Daily Pickup	230.00
Eazy Business Mailers, Inc.	72091	Postage & Service - Benefits Stmt, Newsletters	6,766.20
Konika Minolta Business Solutions USA Inc.	72092	Service - Copier C364E	449.10
Charles L. Shelton, Jr.	72093	Advance - NCTR Conference	2,080.00
Machinists' District 9 Building Corporation	72094	Hall Rental - Open Enrollment November 2, 2016	900.00
Republic Services #346	72095	Trash Pick-Up	133.00
CBRE - 608844	72096	Engineer Services	709.38
Blue Chip Pest Services	72097	Pest Control	44.00
Chicago Equity Partners, LLC	72098	2nd Quarter 2016 Management Fee	38,323.55
Board of Education St. Louis Benefits Trust	72099	Office Employees Insurance - Dental	242.94
Board of Education St. Louis Benefits Trust	72100	Office Employees Insurance - Vision	16.16
Board of Education St. Louis Benefits Trust	72101	Office Employees Insurance - Life	63.60
Date Paid September 16, 2016			
Office Payroll	ACH	Office Payroll	9,958.26
AXA Equitable	ACH	457 Contributions	2,423.00
Date Paid September 16, 2016			
Absopure Water Company	72128	Water Cooler Service	32.85
Buck Consultants, LLC	72129	Actuarial Consulting Services - August & Sept.	20,966.00
AT&T	72130	Monthly Service Charge	154.71
Access	72131	Scanning Services	396.95
Gallagher Benefit Services, Inc.	72132	Group Ins. Consulting Services Monthly Fee	3,320.25
Blade Technologies, Inc.	72133	Professional Services	1,209.34
Parking Management Services, LLC	72134	October 2016 Parking - 1 Employee	65.00
Hartnett Gladney Hettermann, L.L.C.	72135	Legal Fees	3,736.50
Office Essentials	72136	Office Supplies	710.15
Crossroads Courier, Inc.	72137	Courier Service	5.84
Pitney Bowes Global Financial Services LLC	72138	Lease Charges	1,410.00
BuildingStars STL Operations, Inc.	72139	Janitorial Services & Supplies	1,661.10
Anders CPAs & Advisors	72140	GASB 68 Audit	2,000.00
GCI Security, Inc.	72141	Security Guard 08/15/2016	144.00
John Moten III	72142	Reimbursement - NASP Conference	1,011.88
Sheila P. Goodwin	72143	Reimbursement - MAPERS Conference	905.74
CBRE - 608844	72144	Building Mgmt. - October 2016	1,100.00
Date Paid September 30, 2016			
Office Payroll	ACH	Office Payroll	9,958.26
AXA Equitable	ACH	457 Contributions	2,423.00
TOTAL			<u>\$134,202.85</u>

PUBLIC SCHOOL RETIREMENT SYSTEM OF THE CITY OF ST. LOUIS

**SCHEDULES OF PENSION INFORMATION
FOR PARTICIPATING EMPLOYERS
AND
INDEPENDENT AUDITORS' REPORT
FOR THE YEARS ENDED DECEMBER 31, 2015 AND 2014**

Contents

	<u>Page</u>
Independent Auditors' Report	1 - 2
Schedules of Pension Information for Participating Employers	
Schedules of Employer Allocations	3
Schedules of Pension Amounts by Employer	4 - 5
Notes to Schedules	6 - 9

Independent Auditors' Report

The Board of Trustees
Public School Retirement System of the City of St. Louis
St. Louis, Missouri

Report on Schedules

We have audited the accompanying schedules of employer allocations and pension amounts by employer for Public School Retirement System of the City of St. Louis (the "System"), including the total for all entities of the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total employer pension expense as of and for the years ended December 31, 2015 and 2014, and the related notes to the schedules.

Management's Responsibility for the Schedules

The System's management is responsible for the preparation and fair presentation of these schedules in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of schedules that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the schedules of employer allocations and pension amounts by employer based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedules of employer allocations and specified column totals included in the schedule of pension amounts by employer. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the System's preparation and fair presentation of the schedules in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the schedules of employer allocations and specified column totals included in the schedules of pension amounts by employer.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the accompanying schedules referred to above present fairly, in all material respects, the employer allocations and net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense for the total of all participating entities of the System as of and for the years ended December 31, 2015 and 2014 in accordance with accounting principles generally accepted in the United States of America.

Other Matters

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the System as of and for the years ended December 31, 2015 and 2014, and our report thereon, dated April 15, 2016, expressed an unmodified opinion on those financial statements.

Restriction of Use

Our report is intended solely for the information and use of the System's management, the Board of Trustees, the System's employers, and their auditors and is not intended to be used by anyone other than these specified parties.

A handwritten signature in blue ink that reads "Anders Minkler Huber & Helm LLP". The signature is written in a cursive style.

September 26, 2016

Public School Retirement System of the City of St. Louis
Schedules of Employer Allocations
December 31, 2015 and 2014

Employer	Employer Name	2015		2014	
		Compensation	Employer Allocation Percentage	Compensation	Employer Allocation Percentage
1	Public Schools Retirement System of the City of St. Louis	\$ 454,115	0.20 %	\$ 472,849	0.22 %
2	St. Louis Public Schools	175,851,589	78.05	173,926,365	79.13
3	Better Learning Communities Academy	413,648	0.18	641,669	0.29
4	Carondelet Leadership Academy	2,115,158	0.94	1,959,264	0.89
5	Confluence Academy	14,515,603	6.44	15,101,401	6.87
6	Construction Career Center	-	-	586,326	0.27
7	City Garden Montessori Schools	1,404,645	0.62	1,161,512	0.53
8	EAGLE College Preparatory School	1,170,493	0.52	596,636	0.27
9	Gateway Science Academy of St. Louis	4,536,132	2.01	4,078,795	1.85
10	Grand Center Arts Academy	2,910,949	1.29	2,415,535	1.10
11	Hawthorn Leadership School for Girls	497,410	0.22	62,912	0.03
12	JAMAA Learning Center	654,925	0.29	550,281	0.25
13	KIPP Inspire Academy	4,705,326	2.09	2,594,372	1.18
14	La Salle Middle School	327,603	0.15	-	-
15	Lafayette Preparatory Academy	722,601	0.32	482,496	0.22
16	Lift for Life Academy	3,387,447	1.50	3,222,562	1.47
17	North Side Community School	1,662,931	0.74	1,349,008	0.61
18	Preclarus Mastery Academy	772,640	0.34	689,448	0.31
19	Premier Charter School	5,056,784	2.24	5,308,021	2.41
20	South City Preparatory Academy	1,086,735	0.48	1,159,185	0.53
21	St. Louis Language Immersion School	3,032,220	1.35	3,441,144	1.57
22	The Biome	64,426	0.03	-	-
	Total Compensation for all Employers	<u>\$225,343,380</u>	<u>100.00 %</u>	<u>\$219,799,781</u>	<u>100.00 %</u>

**Public School Retirement System of the City of St. Louis
Schedule of Pension Amounts by Employer
December 31, 2015**

Employer	Employer Name	Deferred Outflows of Resources				Deferred Inflows of Resources				
		Beginning Net Pension Liability	Ending Net Pension Liability	Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	Change in Assumptions	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Change in Assumptions	Total Deferred Inflows of Resources	
1	Public Schools Retirement System of the City of St. Louis	\$ 570,232	\$ 649,399	\$ 171,597	\$ -	\$ 171,597	\$ (15,674)	\$ -	\$ (15,674)	\$ 102,682
2	St. Louis Public Schools	209,746,574	251,473,429	66,449,336	-	66,449,336	(6,069,550)	-	(6,069,550)	39,762,572
3	Better Learning Communities Academy	773,821	591,530	156,306	-	156,306	(14,277)	-	(14,277)	93,532
4	Carondelet Leadership Academy	2,362,775	3,024,744	799,258	-	799,258	(73,005)	-	(73,005)	478,268
5	Confluence Academy	18,211,541	20,757,779	5,485,035	-	5,485,035	(501,009)	-	(501,009)	3,282,186
6	Construction Career Center	707,080	-	-	-	-	-	-	-	-
7	City Garden Montessori Schools	1,400,726	2,008,688	530,776	-	530,776	(48,482)	-	(48,482)	317,610
8	EAGLE College Preparatory School	719,513	1,673,843	442,296	-	442,296	(40,400)	-	(40,400)	264,665
9	Gateway Science Academy of St. Louis	4,918,825	6,486,815	1,714,076	-	1,714,076	(156,565)	-	(156,565)	1,025,685
10	Grand Center Arts Academy	2,913,015	4,162,751	1,099,965	-	1,099,965	(100,472)	-	(100,472)	658,207
11	Hawthorn Leadership School for Girls	75,869	711,312	187,957	-	187,957	(17,168)	-	(17,168)	112,472
12	JAMAA Learning Center	663,612	936,564	247,478	-	247,478	(22,605)	-	(22,605)	148,088
13	KIPP Inspire Academy	3,128,684	6,728,768	1,778,009	-	1,778,009	(162,405)	-	(162,405)	1,063,942
14	La Salle Middle School	-	468,483	123,792	-	123,792	(11,307)	-	(11,307)	74,076
15	Lafayette Preparatory Academy	581,866	1,033,343	273,050	-	273,050	(24,941)	-	(24,941)	163,390
16	Lift for Life Academy	3,886,250	4,844,158	1,280,020	-	1,280,020	(116,918)	-	(116,918)	765,950
17	North Side Community School	1,626,837	2,378,045	628,375	-	628,375	(57,396)	-	(57,396)	376,013
18	Preclarus Mastery Academy	831,440	1,104,900	291,959	-	291,959	(26,668)	-	(26,668)	174,705
19	Premier Charter School	6,401,210	7,231,364	1,910,815	-	1,910,815	(174,536)	-	(174,536)	1,143,412
20	South City Preparatory Academy	1,397,920	1,554,066	410,646	-	410,646	(37,509)	-	(37,509)	245,726
21	St. Louis Language Immersion School	4,149,849	4,336,172	1,145,790	-	1,145,790	(104,658)	-	(104,658)	685,629
22	The Biome	-	92,131	24,345	-	24,345	(2,224)	-	(2,224)	14,568
		\$ 265,067,639	\$ 322,248,284	\$ 85,150,881	\$ -	\$ 85,150,881	\$ (7,777,769)	\$ -	\$ (7,777,769)	\$ 50,953,378

**Public School Retirement System of the City of St. Louis
Schedule of Pension Amounts by Employer
December 31, 2014**

Employer	Employer Name	Beginning Net Pension Liability	Ending Net Pension Liability	Deferred Outflows of Resources			Deferred Inflows of Resources			Total Employer Plan Pension Expense
				Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	Change in Assumptions	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Change in Assumptions	Total Deferred Inflows of Resources	
1	Public Schools Retirement System of the City of St. Louis	\$ 517,013	\$ 570,232	\$ 65,479	\$ -	\$ 65,479	\$ -	\$ -	\$ -	\$ 77,573
2	St. Louis Public Schools	190,170,897	209,746,574	24,084,903	-	24,084,903	-	-	-	28,533,222
3	Better Learning Communities Academy	701,600	773,821	88,857	-	88,857	-	-	-	105,268
4	Carondelet Leadership Academy	2,142,257	2,362,775	271,314	-	271,314	-	-	-	321,424
5	Confluence Academy	16,511,855	18,211,541	2,091,206	-	2,091,206	-	-	-	2,477,437
6	Construction Career Center	641,088	707,080	81,193	-	81,193	-	-	-	96,189
7	City Garden Montessori Schools	1,269,996	1,400,726	160,843	-	160,843	-	-	-	190,550
8	EAGLE College Preparatory School	652,361	719,513	82,621	-	82,621	-	-	-	97,880
9	Gateway Science Academy of St. Louis	4,459,750	4,918,825	564,822	-	564,822	-	-	-	669,140
10	Grand Center Arts Academy	2,641,143	2,913,015	334,497	-	334,497	-	-	-	396,277
11	Hawthorn Leadership School for Girls	68,788	75,869	8,712	-	8,712	-	-	-	10,321
12	JAMAA Learning Center	601,677	663,612	76,202	-	76,202	-	-	-	90,276
13	KIPP Inspire Academy	2,836,684	3,128,684	359,262	-	359,262	-	-	-	425,616
14	Lafayette Preparatory Academy	527,561	581,866	66,815	-	66,815	-	-	-	79,155
15	Lift for Life Academy	3,523,546	3,886,250	446,253	-	446,253	-	-	-	528,672
16	North Side Community School	1,475,004	1,626,837	186,807	-	186,807	-	-	-	221,309
17	Preclarus Mastery Academy	753,842	831,440	95,473	-	95,473	-	-	-	113,106
18	Premier Charter School	5,803,784	6,401,210	735,042	-	735,042	-	-	-	870,799
19	South City Preparatory Academy	1,267,452	1,397,920	160,521	-	160,521	-	-	-	190,168
20	St. Louis Language Immersion School	3,762,543	4,149,849	476,521	-	476,521	-	-	-	564,532
		<u>\$ 240,328,841</u>	<u>\$ 265,067,639</u>	<u>\$ 30,437,343</u>	<u>\$ -</u>	<u>\$ 30,437,343</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 36,058,914</u>

Public School Retirement System of the City of St. Louis
Notes to Schedules
December 31, 2015 and 2014

1. Description of System

General

The Public School Retirement System of the City of St. Louis (the "System") is the administrator of a cost-sharing multiple-employer pension plan existing under provisions of the Revised Statutes of the State of Missouri (the "Statutes") to provide retirement benefits for all employees of the Board of Education of the City of St. Louis, of the Charter Schools located within the St. Louis School District, and of all employees of the System.

Operations and management of the System are generally prescribed in the Statutes and are supervised by the Board of Trustees.

Membership and Eligibility

All persons employed on a full-time basis by the St. Louis Schools Board of Education, Charter Schools in the City of St. Louis, and the System are members of the plan as a condition of employment.

Benefits

Upon retirement at age 65, or at any age if age plus years of credited service equals or exceeds 85 (Rule of 85), members receive monthly payments for life of yearly benefits equal to years of credited service multiplied by 2% of average final compensation, but not to exceed 60% of average final compensation. Early retirement can occur at age 60 with 5 years of service. The service retirement allowance is reduced five ninths of one percent for each month of commencement prior to age 65 or the age at which the Rule of 85 would have been satisfied had the employee continued working until that age, if earlier.

In lieu of the benefit paid over the lifetime of the participant, reduced benefit options are available for survivor and beneficiary payments.

Members are eligible, after accumulation of five years of credited service, for disability benefits prior to eligibility of normal retirement. Survivor benefits are available for qualified beneficiaries of members who die after at least 18 months of active membership.

2. Summary of Significant Accounting Policies

Basis of Presentation and Accounting

The schedules of the System have been prepared in accordance with the criteria established by the Governmental Accounting Standards Board ("GASB") and the provisions of Financial Accounting Standards Board ("FASB"), Accounting Standards Codification (the "FASB ASC"), which is the source of authoritative, non-governmental accounting principles generally accepted in the United States of America ("GAAP"). The System's schedules are prepared using the accrual basis of accounting.

Public School Retirement System of the City of St. Louis
Notes to Schedules
December 31, 2015 and 2014

The System's employers are required to report pension information in their schedules for periods beginning after June 15, 2014, in accordance with Governmental Accounting Standards Board Statement No. 68, *Accounting and Financial Reporting for Pensions*. The Schedules of Employer Allocations and Pension Amounts by Employer provide employers with the required information for financial reporting under that standard.

The underlying financial information used to prepare the pension allocation schedules is based on the System's financial statements, accounting, and payroll reporting systems. The schedules were prepared using the accrual basis of accounting and in accordance with GAAP.

Member and employer contributions are recognized when due, pursuant to formal commitments and statutory requirements. Benefits and refunds of employee contributions are recognized when due and payable in accordance with the statutes governing the System. Expenses are recognized when the liability is incurred, regardless of when payment is made. Investments are reported at fair value on a trade date basis.

Total employer compensation as of and for the years ended December 31, 2015 and 2014 was used as the basis for determining each employer's proportionate share of the collective pension amounts reported on the schedules, respectively. Total employer compensation as of and for the year ended December 31, 2014 was used as the basis for determining the employer's proportionate share of the beginning net pension liability since the System did not believe there was a significant change in the allocation percentage amount.

Use of Estimates

The preparation of schedules in conformity with GAAP requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Fair Value Measurements

The System follows guidance issued by the GASB on fair value measurements, which establishes a framework for measuring fair value, clarifies the definition of fair value within that framework, and expands disclosures about the use of fair value measurements. This guidance applies whenever fair value is the applicable measurement. The three general valuation techniques used to measure fair value are the market approach, cost approach, and income approach.

Subsequent Events

The System has evaluated subsequent events through September 26, 2016, the date the schedules of pension information for participating employers were available to be issued.

Public School Retirement System of the City of St. Louis
Notes to Schedules
December 31, 2015 and 2014

3. Schedules of Employer Allocations

The Schedules of Employer Allocations reflects employer compensation as of and for the years ended December 31, 2015 and 2014 and includes the following for each individual employer:

- employer contributing entity;
- the amount of the employer contributing entity's compensation; and,
- the employer contributing entity's compensation as a percentage of total employer compensation, as defined by this policy.

The components of the net pension liability of the participating employers as of December 31, 2015 and 2014 are as follows:

	2015	2014
Total pension liability	\$ 1,190,927,333	\$ 1,201,998,138
Fiduciary net position	868,679,049	936,930,499
Employers' net pension liability	\$ 322,248,284	\$ 265,067,639
Plan net position as a percentage of total pension liability	72.94 %	77.95 %
Covered employee payroll	\$ 225,343,380	\$ 219,799,781
Employers' net pension liability as a percentage of employee covered payroll	143.00 %	120.60 %

4. Schedules of Pension Amounts by Employer

The Schedules of Pension Amounts by Employer includes only certain categories of deferred outflows of resources and deferred inflows of resources. These include differences between expected and actual experience, changes in assumptions, and differences between projected and actual earnings on plan investments. The Schedules do not include deferred outflows/inflows of resources for changes in the employer's proportionate share of contributions or employer contributions made subsequent to measurement date. The net pension liability as of December 31, 2014 is based on the December 31, 2014 actuarial valuation for the first year of implementation.

5. Sensitivity of Net Pension Eligibility to Changes in the Discount Rate

The following presents the net pension liability, calculated using the discount rate of 8%, as well as what the net pension liability would have been if it were calculated using a discount rate that is one percentage point lower (7%) or one percentage point higher (9%) than the current rate:

Discount Rate	1% Decrease (7.0%)	Current Discount Rate (8.0%)	1% Increase (9.0%)
Net pension liability for the year ended December 31,			
2015	\$ 431,230,360	\$ 322,248,284	\$ 228,509,903
2014	\$ 375,649,108	\$ 265,067,639	\$ 169,951,694

Public School Retirement System of the City of St. Louis
Notes to Schedules
December 31, 2015 and 2014

The projection of cash flows used to determine the discount rate assumes that employer contributions will continue to follow the current funding policy. Based on those assumptions, the System's fiduciary net position was projected to be sufficient to make all projected future benefit payments of current plan members.

Under GASB Statement No. 68, all employers participating in the plan would recognize a cumulative total pension expense of \$50,953,378 and \$36,058,914 for the years ended December 31, 2015 and 2014, respectively, as noted on the schedules of pension amounts by employer.

6. Actuarial Methods and Assumptions

The information presented in the aforementioned schedules was determined as part of the 2015 and 2014 actuarial valuation prepared by Buck Consultants at June 6, 2016 and June 9, 2015, respectively.

Additional information related to the above actuarial valuation, as applicable for both years presented, is as follows:

Actuarial cost method	Frozen entry age
Rate of investment return	8.00%, net of expenses
Participant account interest crediting rate	5.00%
Turnover or withdrawal rates	Various by age and year of membership based on actual
Mortality and death rates	Mortality tables mandated by the Pension Protection Act as specified in IRS Regulation 1.430(h)(3)-1 applied on a static basis, projected 7 years from the valuation date for annuitants and 15 years for non-annuitants
Disability rates	RP-2000 Disability Mortality Table
Rates of retirement between the ages of 55 and 70	Various based on actual experience of the System
Rate of salary increases	Based on actual experience of the System, at the rate of 4.5% per year
Asset valuation method	The assumed yield method of valuing assets

The Unfunded Actuarial Accrued Liability ("UFAAL") was originally determined and frozen as of January 1, 1981. Effective January 1, 2006, the UFAAL was re-determined. The UFAAL is being amortized over thirty (30) years.

**Public School Retirement System of the City of St. Louis
Travel Activity and Expenses - Calendar Year 2016**

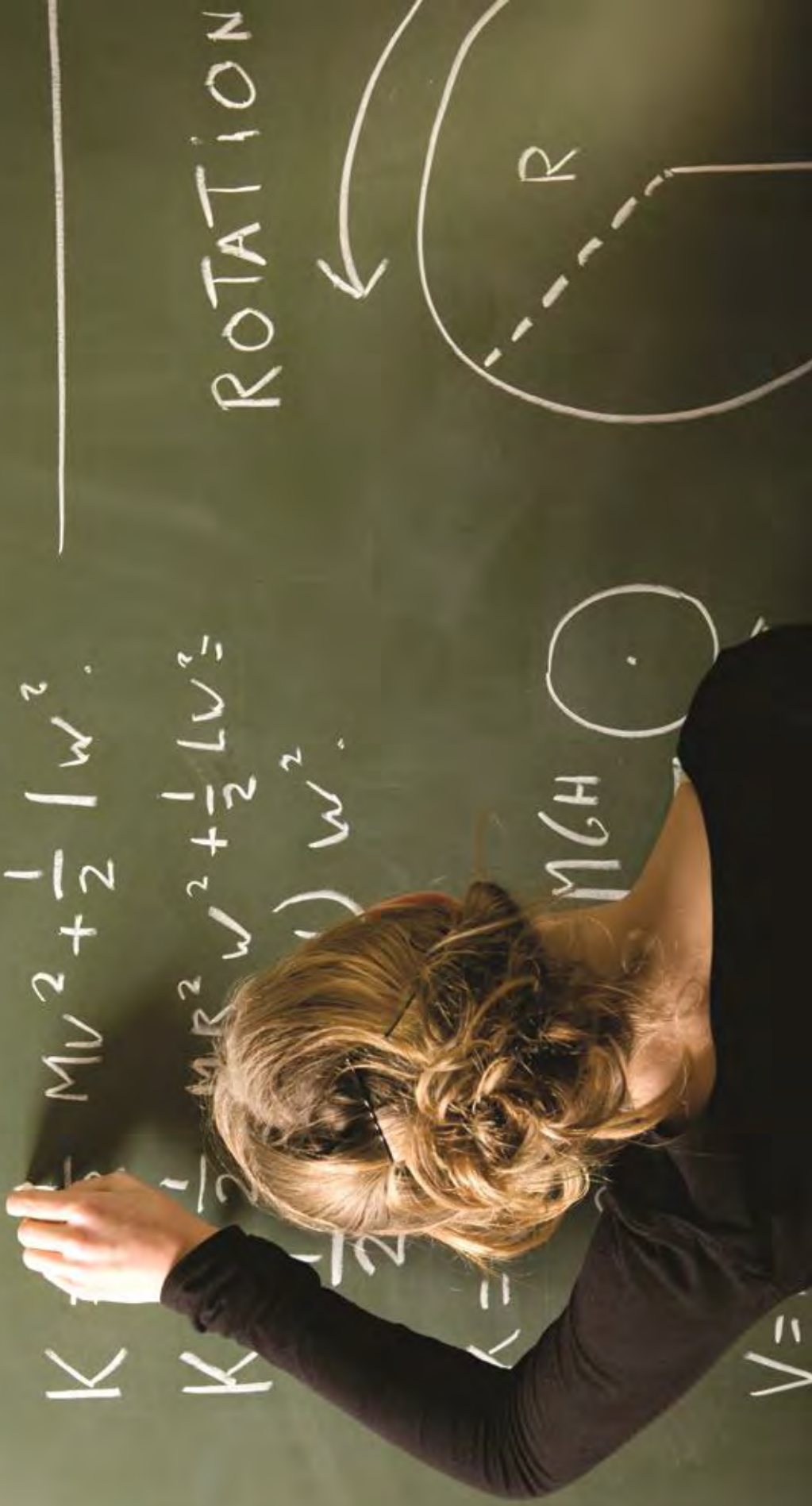
NAME	SPONSOR	DATES		LOCATION	ADVANCES TO	REIMBURSEMENTS		TOTAL COST	EXP RPT	VOUCHER STATUS*	NOTES
		FROM	TO			TO	FROM				
Bennett, Christina	NASP	06/12/2016	06/15/2016	Atlanta, GA		\$1,636.22		\$1,636.22	Y	Pending	
Bentley, Paula	NASP	06/12/2016	06/15/2016	Atlanta, GA	\$1,770.00	\$236.09		\$2,006.09	Y	Pending	
	MAPERS	07/11/2016	07/13/2016	Osage Beach, MO	\$958.76	\$5.43		\$964.19	Y	Pending	
	NCTR	07/24/2016	07/27/2016	Berkley, CA	\$1,769.00	\$3.13		\$1,772.13	Y	Pending	
	NEPC	05/09/2016	05/11/2016	Boston, MA		\$2,111.55		\$2,111.55	Y	Pending	
Goodwin, Sheila	NASP	06/13/2016	06/15/2016	Atlanta, GA		\$2,058.31		\$2,058.31	Y	Pending	
	MAPERS	07/11/2016	07/13/2016	Osage Beach, MO		\$905.74		\$905.74	Y	Pending	
	NCTR	07/24/2016	07/27/2016	Berkley, CA		\$2,197.70		\$2,197.70	Y	Pending	
	NCTR	10/08/2016	10/12/2016	Providence, RI					Y	Pending	
Levy, Yvette	NEPC	05/09/2016	05/11/2016	Boston, MA	\$1,475.00	\$6.33		\$1,481.33	Y	Pending	
	NASP	06/13/2016	06/15/2016	Atlanta, GA	\$2,000.00			\$2,000.00			
	MAPERS	07/11/2016	07/13/2016	Osage Beach, MO							
Moten, John	NEPC	05/09/2016	05/11/2016	Boston, MA		\$1,446.52		\$1,446.52	Y	Pending	
	NASP	06/12/2016	06/15/2016	Atlanta, GA		\$1,011.88		\$1,011.88	Y	Pending	
Shelton, Charles	NEPC	05/09/2016	05/11/2016	Boston, MA	\$1,921.00	\$441.40		\$2,362.40	Y	Pending	
	NASP	06/13/2016	06/15/2016	Atlanta, GA	\$1,422.97	\$388.73		\$1,811.70	Y	Pending	
	NCTR	10/08/2016	10/12/2016	Providence, RI	\$2,080.00			\$2,080.00		Pending	Committee meetings on Saturday, October 8th
Thomas, Eural	NASP	06/12/2016	06/15/2016	Atlanta, GA		\$1,698.36		\$1,698.36	Y	Pending	
								Total Cost			
								\$27,544.12			

MAPERS - Missouri Association of Public Employees Retirement Systems
 NASP - National Association of Securities Professionals
 NCTR - National Council on Teacher Retirement
 NEPC - New England Pension Consultants

*Pending = pending board approval

Public School Retirement System of the City of St. Louis, Missouri

Experience Analysis – October 17, 2016



Executive Summary

Periodically review system's actuarial assumptions

- Compile data and compare actual experience with our assumptions
- Goal is to ensure assumptions are consistent with actual participant behavior
- Ensure predictive value of actuarial valuations
- Detailed study generally performed every five years
 - We analyzed experience during 2011 – 2015, prior study considered 2006 – 2010
- Demographic assumptions – rates of retirement, termination, mortality, etc.
 - Relatively stable, recommendations are generally fine-tuning of assumptions
- Economic assumptions – expected salary scale, inflation, asset return

Considerations in making recommendations

- Past experience is an important predictor, but judgments must be made
- Careful to consider factors that might make future different from the past
- Consider experience from prior experience study periods as well

Withdrawal

Summary

- System experiencing high withdrawal
 - Total withdrawal 16% higher than expected this study, 80% and 100% higher the last two studies, respectively
 - Select rates have mixed experience, ultimate rates were higher than assumed
- 5-year select period
 - Currently assumes higher turnover in first five years
 - Charter experience shows turnover is higher in all five of the first years employed
 - Non-Charter experience shows some years higher some lower – overall slightly lower
- Ultimate period
 - Currently age-based rates assumed, with decreasing rates with age
 - Overall, actual rates were 12% higher than expected

Recommendation

- Increase age-based assumed rates 10% across the board
- Increase all select rates for Charter
- Increase the last few years rates for Non-Charter
- Despite increased withdrawal rates, the allocation of costs to the current year generates a cost increase of 0.24% of active payroll

Withdrawal – Recommended Change Select Period

<u>Service</u>	<u>Charter Assumption</u>	<u>Charter Proposed</u>	<u>Board Assumption</u>	<u>Board Proposed</u>
0	30.0%	35.0%	25.0%	25.0%
1	25.0%	35.0%	20.0%	20.0%
2	20.0%	35.0%	15.0%	20.0%
3	15.0%	25.0%	12.5%	20.0%
4	10.0%	15.0%	10.0%	15.0%
5+	age based	age based	age based	age based

Withdrawal – Recommended Change Ultimate Period

<u>Age</u>	<u>Current Assumption</u>	<u>Proposed Assumption</u>
20	18.5%	20.4%
25	15.5%	17.1%
30	11.0%	12.1%
35	9.0%	9.9%
40	7.5%	8.3%
45	4.0%	4.4%
50	2.5%	2.8%
55	2.0%	2.2%
60	1.5%	1.7%

Table shows sample ages only

Retirement

Summary

- Current rates age-based, with 25% rate at first Rule of 85 & 30 years service
- Rule of 85 Members
 - Members overall retiring at lower rates in all years, not just first year eligible
 - Generally lower rates by both age and service
 - No increase in retirement rates upon reaching 30 years of service
- Non-Rule of 85 Members
 - Members overall retiring at lower rates in all years
 - Retirements for Members age 66-69 higher than expected

Recommendation

- Assume lower or same rates for those qualifying for Rule of 85
 - Eliminate 25% rate at first Rule of 85 & 30 years service
- Assume lower or same rates for those not qualifying for Rule of 85 through age 65
 - Increase rates for those age 66-69
- Decrease in required employer contribution is (0.17)% of active payroll

Retirement – Recommended Change

<u>Age</u>	<u>Rule of 85 Current</u>	<u>Rule of 85 Proposed</u>	<u>Not Rule of 85 Current</u>	<u>Not Rule of 85 Proposed</u>
<60	20.0%	15.0%	N/A	N/A
60	20.0%	20.0%	10.0%	10.0%
61	20.0%	20.0%	15.0%	10.0%
62	25.0%	25.0%	20.0%	15.0%
63	25.0%	25.0%	17.5%	15.0%
64	25.0%	25.0%	20.0%	20.0%
65	35.0%	30.0%	35.0%	30.0%
66	20.0%	30.0%	20.0%	30.0%
67	20.0%	30.0%	20.0%	30.0%
68	20.0%	30.0%	20.0%	30.0%
69	20.0%	30.0%	20.0%	30.0%
70 – 71	30.0%	30.0%	30.0%	30.0%
72	100.0%	100.0%	100.0%	100.0%

Post-Retirement Mortality

Summary

- Current assumption is table mandated for private sector pension plans
 - Mandated static mortality table projected 7 years from the valuation date for annuitants and 15 years for non-annuitants
- Society of Actuaries completed a mortality study in late 2014
 - SOA has summarized their position on appropriate mortality assumptions for measuring pension plan obligations
 - The RP-2014 table is recommended to replace RP-2000 tables and the MP-2014 projection scale is recommended to replace Scale AA
- Actual deaths higher than expected number during study period

Recommendation

- Switch to RP-2014 mortality rolled back to 2006 and projected with mortality improvement Scale MP-2015, applied on a fully generational basis
 - Mortality rates adjusted for credibility weighting of actual plan experience
- Increase in required employer contribution is 1.54% of active payroll
 - Note: Impact is aggregated with Post-Disabled Mortality change

Post-Disability Mortality

Summary

- Current assumption is RP-2000 Disability Mortality Table
- Experienced more deaths than expected during the study period
- Small sample sizes limit data credibility
- There is a table specifically constructed for disability mortality from the SOA mortality study
 - The RP-2014 table is recommended to replace RP-2000 tables and the MP-2014 projection scale is recommended to replace Scale AA

Recommendation

- Switch to RP-2014 disabled mortality rolled back to 2006 and projected with mortality improvement Scale MP-2015, applied on a fully generational basis
 - Mortality rates adjusted for credibility weighting of actual plan experience
- Increase in required employer contribution is 1.54% of active payroll
 - Note: Impact is aggregated with Post-Retirement Mortality change

Other Assumptions

Other demographic assumptions have little impact on valuation

- Disability
 - Occurs infrequently, not enough data to suggest changes
- Percentage married, age difference, and family structure
 - Small impact, limited data
 - Initially set based on social security data for entire country
- Recommend no change to these

Economic Assumption – Salary Increases

Current assumption

- Salary increases: 4.5% per year

Comments

- Economic assumptions are meant to be long term assumptions
 - Reasonable expectation for the future more important than recent experience
- Many plans use age or service weighted salary scales
 - Experience for this system supports this for the first years of employment
 - Overall higher rates for first years of employment, lower rates later

Recommendation

- 5.0% annual salary increases for less than 5 years of service
- 3.5% annual salary increases for 5 years of service or more
- Decrease in required employer contribution is (0.86)% of active payroll

Economic Assumption – Investment Return

Current assumptions

- Investment return: 8.0% per year

Comments

- Economic assumptions are meant to be long term assumptions
 - Reasonable expectation for the future more important than recent experience
- NEPC expected returns for the current asset allocation lower than 8.0%
 - 6.6% expected over next 5-7 years. 7.6% expected over next 30 years

Recommendation

- Investment return: 7.5% per year
- Increase in required employer contribution is 2.41% of active payroll

Total Cost Impact of Proposed Changes

Based on January 1, 2016 Valuation Results

	<u>Before</u>	<u>After</u>	<u>Net Change</u>
Normal cost contributions	\$ 23.13	\$ 24.75	\$ 1.62
Actuarial accrued liability contribution	\$ 16.53	\$ 22.87	\$ 6.34
Annual required contribution (ARC)	\$ 39.66	\$ 47.62	\$ 7.96
Covered compensation	\$ 252.13	\$ 252.13	\$ 0.00
ARC as a % of covered compensation	15.73%	18.89%	3.16%

Dollar amounts in millions

Total Cost Impact of Proposed Changes – Amortization Reset to 30 Years

Based on January 1, 2016 Valuation Results

	<u>Before</u>		<u>After</u>		<u>Net Change</u>
Normal cost contributions	\$ 23.13		\$ 6.19		\$ (16.94)
Actuarial accrued liability contribution	\$ 16.53		\$ 33.78		\$ 17.25
Annual required contribution (ARC)	\$ 39.66		\$ 39.97		\$ 0.31
Covered compensation	\$ 252.13		\$ 252.13		\$ 0.00
ARC as a % of covered compensation	15.73%		15.85%		0.12%

Dollar amounts in millions

- Initial amortization period reset to 30 years
- Actuarial value of assets reset to market value of assets

Questions?

Acceptance of Experience Analysis