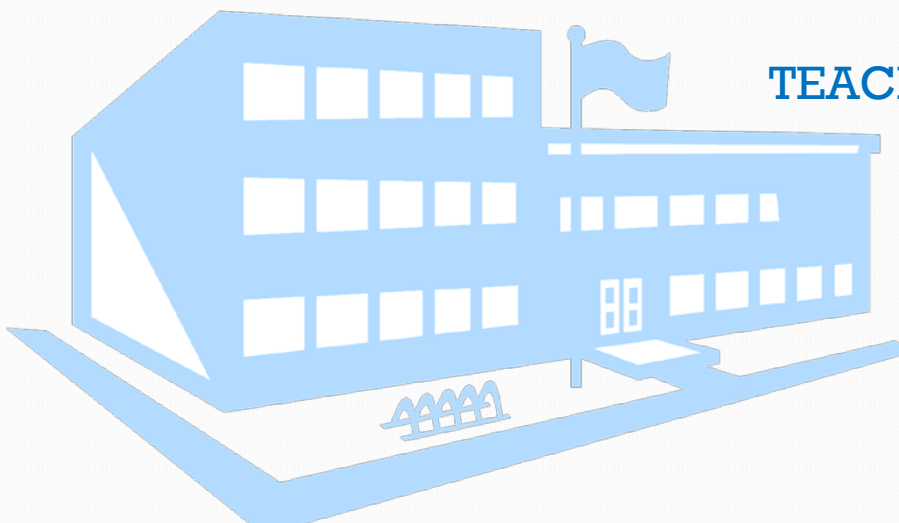


# Employer and Non-Employer GASB 68 Schedules & Notes

As of and for the year ended June 30, 2016



**TEACHERS RETIREMENT  
ASSOCIATION**





REBECCA OTTO  
STATE AUDITOR

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## INDEPENDENT AUDITOR'S REPORT

Board of Trustees  
Teachers Retirement Association  
St. Paul, Minnesota

### **Report on the Schedules**

We have audited the accompanying schedule of employer and non-employer allocations of the Teachers Retirement Association as of and for the year ended June 30, 2016, and the related notes. We have also audited the total for all entities of the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense (specified column totals) included in the accompanying schedule of pension amounts by entity, current reporting period only, of the Teachers Retirement Association as of and for the year ended June 30, 2016, and the related notes.

### ***Management's Responsibility for the Schedules***

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 the schedules that are free from material misstatement, whether due to fraud or error.

### ***Auditor's Responsibility***

Our responsibility is to express opinions on the schedule of employer and non-employer allocations and the specified column totals included in the schedule of pension amounts by entity, current reporting period only, based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the schedule of employer and non-employer allocations and specified column totals included in the schedule of pension amounts by entity, current reporting period only, are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedule of employer and non-employer allocations and the specified column totals included in the schedule of pension amounts by entity, current reporting period only. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the schedule of employer and non-employer allocations and the specified column totals included in the schedule of pension amounts by entity, current reporting period only, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Association's preparation and fair presentation of the schedule of employer and non-employer allocations and the specified column totals included in the schedule of pension amounts by entity, current reporting period only, 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 Association'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 schedule of employer and non-employer allocations and the specified column totals included in the schedule of pension amounts by entity, current reporting period only.

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 schedules referred to above present fairly, in all material respects, the employer and non-employer allocations and the 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 Teachers Retirement Association as of and for the year ended June 30, 2016, in accordance with accounting principles generally accepted in the United States of America.

### **Restriction on Use**

This report is intended solely for the information and use of management, the Board of Trustees, Teachers Retirement Association employer and non-employer entities, and their auditors, and is not intended to be, and should not be, used by anyone other than those specified parties.



REBECCA OTTO  
STATE AUDITOR



GREG HIERLINGER, CPA  
DEPUTY STATE AUDITOR

April 17, 2017

Teachers Retirement Association  
Schedule of Employer and Non-Employer Allocations  
As of and for the Year Ended June 30, 2016

ID	Entity	2016 Contributions	Entity Allocation Percentage
00001	Aitkin - ISD #1	388,846	0.0997%
00002	Hill City - ISD #2	129,584	0.0332%
00004	McGregor - ISD #4	163,083	0.0418%
00006	South St Paul Special School Dist #6	1,431,901	0.3670%
00011	Anoka-Hennepin - ISD #11	16,053,956	4.1150%
00012	Centennial - ISD #12	2,694,719	0.6907%
00013	Columbia Heights - ISD #13	1,329,289	0.3407%
00014	Fridley - ISD #14	1,221,057	0.3130%
00015	St Francis - ISD #15	1,833,536	0.4700%
00016	Spring Lake Park - ISD #16	1,871,016	0.4796%
00022	Detroit Lakes - ISD #22	1,118,843	0.2868%
00023	Frazee-Vergas Public Schools	333,025	0.0854%
00031	Bemidji - ISD #31	1,877,110	0.4811%
00032	Blackduck - ISD #32	186,906	0.0479%
00036	Kelliher - ISD #36	126,686	0.0325%
00038	Red Lake - ISD #38	809,735	0.2076%
00047	Sauk Rapids - ISD #47	1,365,171	0.3499%
00051	Foley - ISD #51	608,905	0.1561%
00075	St Clair - ISD #75	211,488	0.0542%
00077	Mankato - ISD #77	3,073,129	0.7877%
00081	Comfrey Public School ISD #81	72,658	0.0186%
00084	Sleepy Eye - ISD #84	202,028	0.0518%
00085	Springfield - ISD #85	210,776	0.0540%
00088	New Ulm - ISD #88	657,970	0.1687%
00091	Barnum - ISD #91	291,163	0.0746%
00093	Carlton - ISD #93	165,923	0.0425%
00094	Cloquet - ISD #94	952,666	0.2442%
00095	Cromwell - ISD #95	103,435	0.0265%
00097	Moose Lake - ISD #97	236,778	0.0607%
00099	Esko - ISD #99	387,077	0.0992%
00100	Wrenshall - ISD #100	125,327	0.0321%
00108	Central School District - ISD #108	353,065	0.0905%
00110	Waconia - ISD #110	1,329,491	0.3408%
00111	Watertown-Mayer - ISD #111	535,854	0.1374%
00112	Eastern Carver County Schools - ISD #112	3,961,233	1.0154%
00113	Walker-Hackensack - ISD #113	286,786	0.0735%
00115	Cass Lake - ISD #115	542,621	0.1391%
00116	Pillager - ISD #116	327,600	0.0840%
00118	Northland Community Schools - ISD # 118	166,331	0.0426%
00129	Montevideo - ISD #129	566,448	0.1452%
00138	North Branch - ISD #138	1,004,097	0.2574%
00139	Rush City - ISD #139	489,013	0.1253%
00146	Barnesville - ISD #146	276,780	0.0709%
00150	Hawley - ISD #150	341,587	0.0876%
00152	Moorhead - ISD #152	2,267,138	0.5811%
00162	Bagley - ISD #162	317,516	0.0814%
00166	Cook County - ISD #166	189,140	0.0485%
00173	Mountain Lake - ISD #173	189,913	0.0487%

The notes to the required schedules are an integral part of this schedule.

ID	Entity	2016 Contributions	Entity Allocation Percentage
00177	Windom - ISD #177	391,213	0.1003%
00181	Brainerd - ISD #181	2,458,123	0.6301%
00182	Crosby-Ironton - ISD #182	368,292	0.0944%
00186	Pequot Lakes - ISD #186	524,362	0.1344%
00191	Burnsville - ISD #191	4,207,573	1.0785%
00192	Farmington - ISD #192	2,493,533	0.6392%
00194	Lakeville - ISD #194	4,056,868	1.0399%
00195	Randolph - ISD #195	203,561	0.0522%
00196	Rosemount-Apple Valley-Eagan - ISD #196	12,290,239	3.1503%
00197	West St Paul - ISD #197	2,196,636	0.5630%
00199	Inver Grove Heights - ISD #199	1,412,855	0.3621%
00200	Hastings - ISD #200	1,597,465	0.4095%
00203	Hayfield - ISD #203	258,230	0.0662%
00204	Kasson-Mantorville - ISD #204	653,050	0.1674%
00206	Alexandria - ISD #206	1,458,641	0.3739%
00213	Osakis - ISD #213	266,459	0.0683%
00227	Chatfield - ISD #227	280,330	0.0719%
00229	Lanesboro - ISD #229	116,966	0.0300%
00238	Mabel-Canton - ISD #238	92,873	0.0238%
00239	Rushford - ISD #239	247,192	0.0634%
00241	Albert Lea - ISD #241	1,423,184	0.3648%
00242	Alden - ISD #242	166,866	0.0428%
00246	Central MN ERDC # 246	12,528	0.0032%
00252	Cannon Falls - ISD #252	361,884	0.0928%
00253	Goodhue - ISD #253	199,343	0.0511%
00255	Pine Island - ISD #255	416,374	0.1067%
00256	Red Wing - ISD #256	938,923	0.2407%
00261	Ashby - ISD #261	82,649	0.0212%
00264	Herman - ISD #264	48,677	0.0125%
00270	Hopkins - ISD #270	3,368,031	0.8633%
00271	Bloomington - ISD #271	4,909,723	1.2585%
00272	Eden Prairie - ISD #272	4,043,413	1.0364%
00273	Edina - ISD #273	3,680,343	0.9434%
00276	Minnetonka - ISD #276	4,207,424	1.0785%
00277	Westonka - ISD #277	902,469	0.2313%
00278	Orono - ISD #278	1,152,243	0.2953%
00279	Osseo - ISD #279	8,933,174	2.2898%
00280	Richfield - ISD #280	2,035,170	0.5217%
00281	Robbinsdale - ISD #281	5,657,963	1.4503%
00282	St Anthony - ISD #282	662,002	0.1697%
00283	St Louis Park - ISD #283	2,083,499	0.5340%
00284	Wayzata - ISD #284	4,549,508	1.1661%
00286	Brooklyn Center - ISD #286	895,626	0.2296%
00287	Interm School District #287	2,088,696	0.5354%
00294	Houston - ISD #294	521,355	0.1336%
00297	Spring Grove - ISD #297	126,776	0.0325%
00299	Caledonia - ISD #299	244,422	0.0627%
00300	LaCrescent - ISD #300	393,017	0.1007%
00306	Laporte - ISD #306	97,675	0.0250%
00308	Nevis - ISD #308	203,231	0.0521%
00309	Park Rapids - ISD #309	521,455	0.1337%
00314	Braham - ISD #314	272,240	0.0698%

ID	Entity	2016 Contributions	Entity Allocation Percentage
00316	Greenway Schools - ISD #316	358,374	0.0919%
00317	Deer River - ISD #317	375,095	0.0961%
00318	Grand Rapids - ISD #318	1,458,800	0.3739%
00319	Nashwauk-Keewatin - ISD #319	218,676	0.0561%
00330	Heron Lake-Okabena - ISD #330	117,651	0.0302%
00332	Mora - ISD #332	598,437	0.1534%
00333	Ogilvie - ISD #333	184,763	0.0474%
00345	New London-Spicer - ISD #345	492,526	0.1262%
00347	Willmar - ISD #347	1,562,491	0.4005%
00356	Lancaster - ISD #356	70,336	0.0180%
00361	International Falls - ISD #361	366,814	0.0940%
00362	Littlefork - Big Falls - ISD #362	115,666	0.0296%
00363	So Koochiching-Rainy River - ISD #363	156,967	0.0402%
00378	Dawson - ISD #378	198,534	0.0509%
00381	Lake Superior - ISD #381	545,434	0.1398%
00382	Northwest Reg Intradst Council # 382	57,848	0.0148%
00390	Lake of the Woods - ISD #390	178,323	0.0457%
00391	Cleveland - ISD #391	144,103	0.0369%
00397	Lake Agassiz Spec Ed Coop # 397	47,035	0.0121%
00398	Midwest Spec Ed Coop # 398	63,908	0.0164%
00402	Hendricks - ISD #402	57,115	0.0146%
00403	Ivanhoe - ISD #403	33,902	0.0087%
00404	Lake Benton - ISD #404	47,190	0.0121%
00413	Marshall - ISD #413	923,390	0.2367%
00414	Minneota - ISD #414	178,939	0.0459%
00415	Lynd - ISD #415	66,136	0.0170%
00423	Hutchinson - ISD #423	1,024,103	0.2625%
00424	Lester Prairie - ISD #424	141,610	0.0363%
00432	Mahnomen - ISD #432	252,556	0.0647%
00435	Waubun - ISD #435	251,543	0.0645%
00441	Marshall County Central - ISD #441	144,658	0.0371%
00447	Grygla - ISD #447	81,000	0.0208%
00458	Truman - ISD #458	85,470	0.0219%
00463	Eden Valley - Watkins - ISD #463	312,310	0.0801%
00465	Litchfield - ISD #465	522,353	0.1339%
00466	Dassel-Cokato - ISD #466	757,820	0.1942%
00473	Isle - ISD #473	145,310	0.0372%
00477	Princeton - ISD #477	1,068,950	0.2740%
00480	Onamia - ISD #480	278,094	0.0713%
00482	Little Falls - ISD #482	980,743	0.2514%
00484	Pierz - ISD #484	356,637	0.0914%
00485	Royalton - ISD #485	259,164	0.0664%
00486	Swanville - ISD #486	97,330	0.0249%
00487	Upsala - ISD #487	114,406	0.0293%
00492	Austin - ISD #492	1,916,362	0.4912%
00495	Grand Meadow - ISD #495	154,926	0.0397%
00497	Lyle - ISD #497	87,433	0.0224%
00499	LeRoy - ISD #499	108,315	0.0278%
00500	Southland - ISD #500	189,007	0.0484%
00505	Fulda - ISD #505	150,019	0.0385%
00507	Nicollet - ISD #507	120,293	0.0308%
00508	St Peter - ISD #508	703,995	0.1805%

The notes to the required schedules are an integral part of this schedule.

ID	Entity	2016 Contributions	Entity Allocation Percentage
00511	Adrian - ISD #511	172,488	0.0442%
00514	Ellsworth - ISD #514	67,845	0.0174%
00518	Worthington - ISD #518	1,163,649	0.2983%
00531	Byron - ISD #531	626,475	0.1606%
00533	Dover-Eyota - ISD #533	368,275	0.0944%
00534	Stewartville - ISD #534	643,514	0.1649%
00535	Rochester - ISD #535	6,721,475	1.7229%
00542	Battle Lake Public Schools - ISD # 542	145,872	0.0374%
00544	Fergus Falls - ISD #544	798,236	0.2046%
00545	Henning - ISD #545	131,242	0.0336%
00547	Parkers Prairie - ISD #547	182,659	0.0468%
00548	Pelican Rapids - ISD #548	343,513	0.0881%
00549	Perham - ISD #549	470,711	0.1207%
00550	Underwood - ISD #550	174,019	0.0446%
00553	New York Mills - ISD #553	216,585	0.0555%
00561	Goodridge - ISD #561	74,900	0.0192%
00564	Thief River Falls Public Schools # 564	699,119	0.1792%
00577	Willow River - ISD #577	156,498	0.0401%
00578	Pine City - ISD #578	601,752	0.1542%
00581	Edgerton - ISD #581	150,307	0.0385%
00592	Climax - ISD #592	79,639	0.0204%
00593	Crookston - ISD #593	432,564	0.1109%
00595	East Grand Forks - ISD #595	612,156	0.1569%
00599	Fertile-Beltrami - ISD #599	160,156	0.0411%
00600	Fisher - ISD #600	88,173	0.0226%
00601	Fosston - ISD #601	237,809	0.0610%
00621	Mounds View - ISD #621	4,649,071	1.1917%
00622	North St Paul-Maplewood - ISD #622	4,169,859	1.0688%
00623	Roseville - ISD #623	3,341,436	0.8565%
00624	White Bear Lake - ISD #624	3,488,563	0.8942%
00630	Red Lake Falls - ISD #630	156,512	0.0401%
00635	Milroy - ISD #635	12,542	0.0032%
00640	Wabasso - ISD #640	133,637	0.0343%
00656	Faribault - ISD #656	1,569,521	0.4023%
00659	Northfield - ISD #659	1,565,931	0.4014%
00671	Hills-Beaver Creek - ISD #671	115,006	0.0295%
00676	Badger - ISD #676	95,513	0.0245%
00682	Roseau - ISD #682	403,886	0.1035%
00690	Warroad - ISD #690	358,963	0.0920%
00695	Chisholm - ISD #695	253,932	0.0651%
00696	Ely - ISD #696	193,948	0.0497%
00698	Floodwood - ISD #698	97,665	0.0250%
00700	Hermantown - ISD #700	643,153	0.1649%
00701	Hibbing - ISD #701	829,712	0.2127%
00704	Proctor - ISD #704	647,798	0.1660%
00706	Virginia - ISD #706	571,050	0.1464%
00707	Nett Lake - ISD #707	58,723	0.0151%
00709	Duluth - ISD #709	3,386,653	0.8681%
00712	Mountain Iron-Buhl - ISD #712	240,818	0.0617%
00716	Belle Plaine - ISD #716	555,954	0.1425%
00717	Jordan - ISD #717	687,959	0.1763%
00719	Prior Lake - ISD #719	2,772,585	0.7107%

The notes to the required schedules are an integral part of this schedule.



ID	Entity	2016 Contributions	Entity Allocation Percentage
00720	Shakopee - ISD #720	3,246,338	0.8321%
00721	New Prague - ISD #721	1,362,953	0.3494%
00726	Becker - ISD #726	946,776	0.2427%
00727	Big Lake - ISD #727	1,011,081	0.2592%
00728	Elk River - ISD #728	4,579,802	1.1739%
00738	Holdingsford - ISD #738	312,440	0.0801%
00739	Kimball - ISD #739	221,405	0.0568%
00740	Melrose - ISD #740	445,221	0.1141%
00741	Paynesville - ISD #741	348,525	0.0893%
00742	St Cloud - ISD #742	4,350,548	1.1151%
00743	Sauk Centre - ISD #743	327,328	0.0839%
00745	Albany - ISD #745	670,419	0.1718%
00748	Sartell - ISD #748	1,268,497	0.3251%
00750	Rocori - ISD #750	666,489	0.1708%
00756	Blooming Prairie - ISD #756	270,136	0.0692%
00761	Owatonna - ISD #761	1,757,024	0.4504%
00763	Medford - ISD #763	258,481	0.0663%
00768	Hancock - ISD #768	104,948	0.0269%
00771	Chokio-Alberta - ISD #771	66,054	0.0169%
00775	Kerkhoven-Murdock-Sunburg - ISD #775	218,433	0.0560%
00777	Benson - ISD #777	274,715	0.0704%
00786	Bertha-Hewitt - ISD #786	163,399	0.0419%
00787	Browerville - ISD #787	162,489	0.0416%
00801	Browns Valley - ISD #801	47,391	0.0121%
00803	Wheaton - ISD #803	155,136	0.0398%
00811	Wabasha-Kellogg - ISD #811	216,844	0.0556%
00813	Lake City - ISD #813	425,255	0.1090%
00815	Prinsburg - ISD #815	14,201	0.0036%
00818	Verndale - ISD #818	168,226	0.0431%
00820	Sebeka - ISD #820	191,320	0.0490%
00821	Menahga - ISD #821	257,799	0.0661%
00829	Waseca - ISD #829	643,009	0.1648%
00831	Forest Lake - ISD #831	2,272,060	0.5824%
00832	Mahtomedi - ISD #832	1,311,876	0.3363%
00833	South Washington County - ISD #833	6,961,783	1.7845%
00834	Stillwater - ISD #834	2,903,336	0.7442%
00836	Butterfield - ISD #836	96,669	0.0248%
00837	Madelia - ISD #837	183,945	0.0471%
00840	St James - ISD #840	399,400	0.1024%
00846	Breckenridge - ISD #846	256,298	0.0657%
00850	Rothsay - ISD #850	85,491	0.0219%
00852	Campbell-Tintah - ISD #852	64,155	0.0164%
00857	Lewiston - ISD #857	279,778	0.0717%
00858	St Charles - ISD #858	347,755	0.0891%
00861	Winona Area Public Schools - ISD #861	1,322,035	0.3389%
00876	Annandale - ISD #876	600,291	0.1539%
00877	Buffalo - ISD #877	2,042,303	0.5235%
00879	Delano - ISD #879	794,509	0.2037%
00881	Maple Lake - ISD #881	295,477	0.0757%
00882	Monticello - ISD #882	1,808,040	0.4634%
00883	Rockford - ISD #883	540,576	0.1386%
00885	St Michael - ISD #885	1,961,595	0.5028%

The notes to the required schedules are an integral part of this schedule.

ID	Entity	2016 Contributions	Entity Allocation Percentage
00891	Canby - ISD #891	180,837	0.0464%
00911	Cambridge-Isanti - ISD #911	1,958,787	0.5021%
00912	Milaca - ISD #912	669,465	0.1716%
00914	Ulen - Hitterdal -ISD #914	110,118	0.0282%
00915	Southern Plains #915	179,854	0.0461%
00916	NE Metro Interm School Dist #916	1,362,455	0.3492%
00917	Interm School District #917	805,427	0.2064%
00920	Metro ECSU # 920	22,883	0.0059%
00921	Southeast Service Coop # 921	55,808	0.0143%
00922	South Central Serv Coop # 922	45,435	0.0116%
00923	Resource Training and Solutions # 923	55,937	0.0143%
00924	North Central Service Coop # 924	40,141	0.0103%
00925	TIES # 925	60,338	0.0155%
00926	Lakes Country Serv Coop # 926	114,560	0.0294%
00927	Northeast Service Coop # 927	5,460	0.0014%
00928	Northwest MN Service Co-op # 928	75,587	0.0194%
00935	Fergus Falls Spec Ed Coop # 935	146,090	0.0374%
00938	Meeker & Wright Spec Ed Coop #938	257,868	0.0661%
00966	Wright Technical Ctr # 966	102,036	0.0262%
00978	MN Valley Coop Ctr #978	102,460	0.0263%
00985	Pine to Prairie Coop Ctr # 985	5,292	0.0014%
00991	SW/W Central Service Cooperative # 991	651,973	0.1671%
00997	Area Special Educ Coop # 997	108,374	0.0278%
00998	Bemidji Reg Interdist Council # 998	288,505	0.0740%
02071	Lake Crystal-Wellcome Memorial ISD #2071	268,042	0.0687%
02125	Triton Schools - ISD #2125	385,401	0.0988%
02134	United South Central - ISD #2134	264,847	0.0679%
02135	Maple River - ISD #2135	344,097	0.0882%
02137	Kingsland - ISD #2137	194,193	0.0498%
02142	St Louis County Schools - ISD # 2142	745,905	0.1912%
02143	Waterville-Elysian-Morristown ISD #2143	313,613	0.0804%
02144	Chisago Lakes Area - ISD #2144	1,151,569	0.2952%
02149	Minnewaska Area - ISD #2149	461,229	0.1182%
02154	Eveleth-Gilbert - ISD #2154	279,130	0.0715%
02155	Wadena-Deer Creek - ISD #2155	346,069	0.0887%
02159	Buffalo Lake-Hector - ISD #2159	178,013	0.0456%
02164	Dilworth-Glyndon-Felton - ISD #2164	581,223	0.1490%
02165	Hinckley-Finlayson - ISD #2165	345,468	0.0886%
02167	Lakeview - ISD #2167	228,679	0.0586%
02168	NRHEG - ISD #2168	301,704	0.0773%
02169	Murray County Central - ISD #2169	232,242	0.0595%
02170	Staples-Motley - ISD #2170	402,166	0.1031%
02171	Kittson Central - ISD #2171	113,021	0.0290%
02172	Kenyon-Wanamingo - ISD #2172	247,353	0.0634%
02174	Pine River-Backus - ISD #2174	319,718	0.0820%
02176	Warren-Alvarado-Oslo - ISD #2176	184,683	0.0473%
02180	MACCRAY - ISD #2180	252,440	0.0647%
02184	Luverne - ISD #2184	457,486	0.1173%
02190	Yellow Medicine East - ISD #2190	231,804	0.0594%
02198	Fillmore Central - ISD #2198	196,289	0.0503%
02215	Norman County East - ISD #2215	103,935	0.0266%
02310	Sibley East - ISD #2310	428,172	0.1098%

The notes to the required schedules are an integral part of this schedule.

ID	Entity	2016 Contributions	Entity Allocation Percentage
02311	Clearbrook-Gonvick - ISD #2311	146,028	0.0374%
02342	West Central Area - ISD #2342	268,525	0.0688%
02358	Tri-County - ISD #2358	93,477	0.0240%
02364	Belgrade-Brooten-Elrosa - ISD #2364	228,652	0.0586%
02365	Gibbon-Fairfax-Winthrop - ISD #2365	285,132	0.0731%
02396	Atwater-Cosmos-Grove City - ISD #2396	321,153	0.0823%
02397	Le Sueur-Henderson - ISD #2397	325,967	0.0836%
02448	Martin County West - ISD #2448	251,806	0.0645%
02527	Norman County West - ISD #2527	103,411	0.0265%
02534	BOLD - ISD #2534	218,139	0.0559%
02536	Granada-Huntley-E Chain - ISD #2536	83,990	0.0215%
02580	East Central - ISD #2580	267,373	0.0685%
02609	Win-E-Mac - ISD #2609	140,175	0.0359%
02683	Greenbush-Middle River - ISD #2683	159,591	0.0409%
02687	Howard Lake-Waverly-Winsted - ISD #2687	391,214	0.1003%
02689	Pipestone Area Schools - ISD #2689	388,674	0.0996%
02711	Mesabi East - ISD #2711	315,846	0.0810%
02752	Fairmont-Ceylon - ISD #2752	535,055	0.1371%
02753	Long Prairie-Grey Eagle - ISD #2753	327,031	0.0838%
02754	Cedar Mountain - ISD #2754	160,698	0.0412%
02759	Eagle Valley - ISD #2759	86,722	0.0222%
02769	Morris Area Schools - ISD #2769	353,073	0.0905%
02805	Zumbrota-Mazepa - ISD #2805	372,413	0.0955%
02835	Janesville-Waldorf-Pemberton - ISD #2835	207,686	0.0532%
02853	Lac qui Parle Valley - ISD #2853	333,305	0.0854%
02854	Ada-Borup - ISD #2854	187,982	0.0482%
02856	Stephen-Argyle - ISD #2856	121,470	0.0311%
02859	Glencoe-Silver Lake - ISD #2859	521,071	0.1336%
02860	Blue Earth Area Public Schools # 2860	446,077	0.1143%
02884	Red Rock Central - ISD #2884	151,117	0.0387%
02886	Glenville-Emmons - ISD #2886	96,475	0.0247%
02888	Clinton-Graceville-Beardsley - ISD #2888	126,479	0.0324%
02889	Lake Park-Audubon District - ISD #2889	250,465	0.0642%
02890	Renville County West - ISD #2890	218,424	0.0560%
02895	Jackson County Central Schools ISD #2895	474,296	0.1216%
02897	Redwood Area Schools - ISD # 2897	417,113	0.1069%
02898	Westbrook-Walnut Grove Public School 2898	169,992	0.0436%
02899	Plainview-Elgin-Millville ISD #2899	481,103	0.1233%
02902	RTR Public School #2902	162,491	0.0417%
02903	Ortonville Public School #2903	204,719	0.0525%
02904	Tracy Area School District #2904	260,598	0.0668%
02905	Tri-City United ISD #2905	608,130	0.1559%
02906	Red Lake County Central - ISD #2906	154,087	0.0395%
02907	Round Lake/Brewster - ISD #2907	81,811	0.0210%
02908	Brandon/Evansville - ISD #2908	135,601	0.0348%
03333	Pine Point - ISD #3333	47,908	0.0123%
04000	City Academy	42,729	0.0110%
04001	Bluffview Montessori	56,486	0.0145%
04003	New Heights School	42,592	0.0109%
04004	Cedar-Riverside Community School	71,867	0.0184%
04005	Metro Deaf School	169,907	0.0436%
04007	New Country Charter School	65,986	0.0169%

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ID	Entity	2016 Contributions	Entity Allocation Percentage
04008	PACT Charter School	164,656	0.0422%
04011	Athlos Leadership Academy	243,358	0.0624%
04015	Community of Peace	257,329	0.0660%
04016	World Learner School	55,706	0.0143%
04017	MN Transitions Charter School	456,734	0.1171%
04018	Achieve Language Academy	145,945	0.0374%
04020	Duluth Edison Charter School	492,385	0.1262%
04025	Cyber Village Academy	74,603	0.0191%
04026	ECHO Charter School	45,861	0.0118%
04027	Higher Ground	150,693	0.0386%
04029	St Paul City School	150,961	0.0387%
04030	Odyssey Academy	79,316	0.0203%
04031	Jennings Experiential High School	26,982	0.0069%
04032	Harvest Preparatory Academy	129,312	0.0331%
04035	Life Prep Academy	104,956	0.0269%
04036	Face to Face Academy	37,097	0.0095%
04038	Sojourner Truth Academy	156,831	0.0402%
04039	High School for Recording Arts	46,352	0.0119%
04042	Twin Cities Academy	63,796	0.0164%
04043	Math & Science Academy	125,698	0.0322%
04049	Northwest Passage High School	52,127	0.0134%
04050	Lafayette Charter School	18,928	0.0049%
04053	North Lakes Academy	128,543	0.0329%
04054	LaCrescent Montessori Academy	20,036	0.0051%
04055	Nerstrand Elementary School	34,334	0.0088%
04056	Rochester Off-Campus Charter HS	38,443	0.0099%
04057	El Colegio Charter School	33,176	0.0085%
04058	Schoolcraft Learning Community	59,438	0.0152%
04059	Crosslake Community School	51,657	0.0132%
04064	Riverway Learning Community	28,911	0.0074%
04066	Kato Public Charter School	30,673	0.0079%
04067	Aurora Charter School	108,408	0.0278%
04068	Excell Academy for Higher Learning	127,039	0.0326%
04070	HOPE Community Academy	179,405	0.0460%
04073	Academia Cesar Chavez	112,678	0.0289%
04074	AFSA High School	136,133	0.0349%
04075	Avalon School	91,411	0.0234%
04077	Twin Cities International Elem. School	198,077	0.0508%
04078	MN International Middle School	114,175	0.0293%
04079	Friendship Academy of Fine Arts	32,406	0.0083%
04080	Pillager Area Charter School	14,471	0.0037%
04081	Discovery Public School of Faribault	20,502	0.0053%
04082	BlueSky Charter School	206,223	0.0529%
04083	Ridgeway Community School	27,930	0.0072%
04084	North Shore Community School	100,013	0.0256%
04085	Harbor City International	81,028	0.0208%
04086	Woodson Institute for Student Excellence	7,500	0.0019%
04087	SAGE Academy	29,373	0.0075%
04088	Urban Academy	82,043	0.0210%
04089	New City School	75,800	0.0194%
04090	Prairie Creek Community School	57,206	0.0147%
04091	Arcadia Charter School	50,161	0.0129%

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ID	Entity	2016 Contributions	Entity Allocation Percentage
04092	Watershed High School	21,929	0.0056%
04093	New Century Charter School	29,509	0.0076%
04095	Trio Wolf Creek Distance Learning	55,423	0.0142%
04097	Partnership Academy, Inc.	130,149	0.0334%
04098	Nova Classical Academy	261,158	0.0669%
04100	Great Expectations School	29,078	0.0075%
04102	Mn Internship Center	112,487	0.0288%
04103	Hmong Academy	415,236	0.1064%
04104	Paladin Academy (Liberty High School)	75,168	0.0193%
04105	Great River School	114,001	0.0292%
04106	Trek North High School	94,269	0.0242%
04107	Voyageurs Expeditionary School	39,501	0.0101%
04110	Main Street School of Performing Arts	109,986	0.0282%
04111	Augsburg Academy for Health Careers	54,155	0.0139%
04112	St Paul Conservatory for Performing Arts	165,188	0.0423%
04113	Fraser Academy	73,855	0.0189%
04115	Minneapolis Academy	41,184	0.0106%
04116	Lakes International Language Academy	217,156	0.0557%
04118	Kaleidoscope Charter School	154,449	0.0396%
04119	Academic Arts High School	33,310	0.0085%
04120	St Croix Preparatory School	298,542	0.0765%
04121	UBAH Medical Academy	107,579	0.0276%
04122	Eagle Ridge Academy	247,917	0.0635%
04123	Dakota Area Community School	1,346	0.0003%
04124	Beacon Academy	126,091	0.0323%
04126	Prairie Seeds Academy	193,857	0.0497%
04127	TEAM Academy	45,851	0.0118%
04131	Lighthouse Academy of Nations	89,471	0.0229%
04132	Twin Cities Academy High School	80,954	0.0208%
04135	Rochester Math and Science Academy	79,440	0.0204%
04137	Swan River Montessori	47,573	0.0122%
04138	MILROY Area Charter School	11,773	0.0030%
04139	LoveWorks Academy	62,690	0.0161%
04140	Yinghua Academy	161,677	0.0414%
04141	Paideia Academy	97,701	0.0250%
04142	Stride Academy	175,394	0.0450%
04143	New Millennium Academy	166,217	0.0426%
04144	Green Isle Community School	14,620	0.0037%
04145	Birch Grove Charter School	11,926	0.0031%
04146	Northern Lights Community School	47,426	0.0122%
04150	Minnesota Online High School	56,871	0.0146%
04151	EdVisions Off-Campus Charter School	48,300	0.0124%
04152	Twin Cities German Immersion School	149,098	0.0382%
04153	Dugsi Academy	111,027	0.0285%
04155	Naytahwaush Community School	52,095	0.0134%
04159	Seven Hills Classical	220,805	0.0566%
04160	Spectrum HS	177,829	0.0456%
04161	New Discoveries Montessori Academy	55,858	0.0143%
04162	Southside Family Charter School	37,456	0.0096%
04163	Learning for Leadership CS	77,636	0.0199%
04164	Laura Jeffrey Academy	69,967	0.0179%
04166	East Range Academy of Tech and Science	47,800	0.0123%

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ID	Entity	2016 Contributions	Entity Allocation Percentage
04167	International Spanish Language Academy	64,564	0.0165%
04168	Glacial Hills Elementary School	44,048	0.0113%
04169	Stonebridge Community School	98,651	0.0253%
04170	Hiawatha Academies	371,953	0.0953%
04171	Noble Academy	133,096	0.0341%
04172	Clarkfield Area Charter School	20,810	0.0053%
04177	Minisinaakwaang Leadership Academy	17,293	0.0044%
04178	Lincoln International Charter School	48,155	0.0123%
04181	Community School of Excellence	292,919	0.0751%
04183	Lionsgate Academy	240,860	0.0617%
04184	Aspen Academy	143,027	0.0367%
04185	DaVinci Academy of Art and Science	123,320	0.0316%
04186	Global Academy, Inc.	174,417	0.0447%
04187	Natural Science Academy	16,755	0.0043%
04188	Cologne Academy	189,794	0.0486%
04189	Bright Water Elementary Charter School	50,964	0.0131%
04190	River's Edge Academy	29,056	0.0074%
04191	KIPP Minnesota	95,036	0.0244%
04192	Best Academy	227,011	0.0582%
04193	College Prep Elementary	115,211	0.0295%
04194	Cannon River STEM School	85,338	0.0219%
04195	Oshki Ogimaag Charter School	16,925	0.0043%
04198	Discovery Woods Montessori	30,434	0.0078%
04199	Parnassus Preparatory School	205,511	0.0527%
04200	Step Academy	66,783	0.0171%
04201	Cornerstone Montessori Elementary School	31,898	0.0082%
04203	Minneapolis College Preparatory School	42,422	0.0109%
04204	Rochester STEM Academy	25,843	0.0066%
04205	Hennepin Elementary School	102,150	0.0262%
04207	Vermilion Country School	18,397	0.0047%
04208	Nasha Shkola Charter School	34,016	0.0087%
04209	Mastery School	70,428	0.0181%
04210	Upper Mississippi Academy	91,363	0.0234%
04212	West Side Summit Charter School	39,964	0.0102%
04213	Prodeo Academy	68,910	0.0177%
04214	West Concord Public Charter School	17,738	0.0045%
04215	Sejong Academy	21,834	0.0056%
04216	Freedom Academy	19,862	0.0051%
04217	Technical Academies of Minnesota	42,408	0.0109%
04218	Venture Academy	79,663	0.0204%
04219	Northeast College Prep Charter School	69,491	0.0178%
04220	Agamim Hebrew Language School	22,296	0.0057%
04221	Discovery Charter School	3,375	0.0009%
04223	Saint Cloud Math and Science Academy	50,507	0.0129%
04224	Star of the North Academy	35,579	0.0091%
04225	Universal Academy Charter School	44,652	0.0114%
04226	Bdote Learning Center	26,043	0.0067%
04227	Art and Science Academy	73,235	0.0188%
04228	Woodbury Leadership Academy	58,326	0.0150%
04229	Jane Goodall Environmental Sciences Acad	25,486	0.0065%
04230	Minnesota Early Learning Academy	42,364	0.0109%
04231	Minnesota Math and Science Academy	101,620	0.0260%

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ID	Entity	2016 Contributions	Entity Allocation Percentage
04232	Summit Charter School	4,431	0.0011%
04233	Level Up Academy Charter School	23,015	0.0059%
04234	Mill City High School	4,971	0.0013%
04235	Flex Academy of Minnesota	22,799	0.0058%
04237	Metropolitan Education for Future Employ	40,833	0.0105%
04238	Rochester Beacon Academy	31,573	0.0081%
04239	TESFA International School	43,792	0.0112%
04246	Phillips Community School	5,750	0.0015%
04249	Sankofa Underground North Academy	1,500	0.0004%
05001	MN Family Career & Comm Leaders of Amer	5,905	0.0015%
05002	MN Business Professionals of America	2,001	0.0005%
05003	SkillsUSA Minnesota	4,554	0.0012%
05004	MN Delta Epsilon / DECA	2,019	0.0005%
06004	Freshwater Education Dist # 6004	293,950	0.0753%
06012	Zumbro Education District # 6012	193,747	0.0497%
06013	Hiawatha Valley Ed Dist # 6013	256,118	0.0656%
06014	Runestone Area Education Dist # 6014	121,519	0.0311%
06017	MN Transitions - Connections Academy	239,123	0.0613%
06026	W Central Education Dist # 6026	122,412	0.0314%
06027	MN Valley Educ Dist # 6027	185,191	0.0475%
06049	Riverbend Educational Dist # 6049	167,065	0.0428%
06051	Goodhue County Ed Dist # 6051	267,897	0.0687%
06067	East Metro Integration District	24,153	0.0062%
06069	WMEP Joint Power School District	41,691	0.0107%
06070	Itasca Area Schools Collaborative	23,952	0.0061%
06076	Northland Learning Center - ISD # 6076	164,518	0.0422%
06078	Northwest Suburban ISD 6078	8,175	0.0021%
06080	Minnesota's Digital Academy	17,000	0.0044%
06083	Southern Minnesota Education Consortium	25,938	0.0066%
06088	Southwest Metro Educational Cooperative	457,062	0.1172%
06383	Benton-Stearns Educ Dist # 6383	212,261	0.0544%
06979	Midstate Educational Dist # 6979	129,880	0.0333%
8800037	Dept of Education	662,835	0.1699%
8825000	Perpich Center for Arts Education	180,337	0.0462%
8837001	Minnesota State Academies	228,412	0.0585%
9700004	Education Minnesota 09700004	21,528	0.0055%
10100011	System Office 101-11	177,790	0.0456%
10100012	Bemidji State Univ 101-12	422,852	0.1084%
10100013	Minnesota State Univ, Mankato 101-13	674,732	0.1729%
10100014	Minnesota St. University Moorhead 101-14	370,351	0.0949%
10100015	St Cloud State Univ 101-15	789,986	0.2025%
10100016	Southwest Minnesota State Univ 101-16	219,879	0.0564%
10100017	Winona State Univ 101-17	751,950	0.1927%
10100018	Metropolitan State Univ 101-18	480,017	0.1230%
10100020	Alexandria Tech College 101-20	331,112	0.0849%
10100021	Anoka Technical College 101-21	164,723	0.0422%
10100022	Central Lakes College 101-22	386,541	0.0991%
10100023	Dakota County Tech College 101-23	263,069	0.0674%
10100024	Lake Superior College 101-24	313,071	0.0802%
10100025	Hennepin Tech College 101-25	606,728	0.1555%
10100026	Ridgewater College 101-26	483,386	0.1239%
10100027	Minneapolis Comm & Tech College 101-27	489,108	0.1254%

ID	Entity	2016 Contributions	Entity Allocation Percentage
10100028	Century Comm and Tech College 101-28	651,391	0.1670%
10100029	Northwest Tech College - Bemidj 101-29	86,805	0.0223%
10100030	Pine Tech College 101-30	147,576	0.0378%
10100031	Mesabi Range Comm & Tech College 101-31	174,854	0.0448%
10100032	Hibbing Comm College 101-32	225,453	0.0578%
10100033	Minnesota State College-SE Tech 101-33	240,109	0.0615%
10100034	Riverland Community College 101-34	315,262	0.0808%
10100035	South Central College 101-35	365,419	0.0937%
10100036	Minnesota West Comm &Tech College 101-36	323,303	0.0829%
10100037	St Cloud Tech College 101-37	449,784	0.1153%
10100038	St Paul College 101-38	389,596	0.0999%
10100039	Northeast Service Unit 101-39	21,002	0.0054%
10100040	Fond duLac Tribal and Comm College101-40	112,535	0.0288%
10100041	North Hennepin Comm College 101-41	445,782	0.1143%
10100042	Northland Community &Tech College 101-42	292,248	0.0749%
10100043	Normandale Community College 101-43	417,315	0.1070%
10100044	Inver Hills Community College 101-44	271,860	0.0697%
10100045	Itasca Community College 101-45	168,510	0.0432%
10100046	Rainy River Community College 101-46	33,512	0.0086%
10100048	Rochester Comm & Tech College 101-48	413,793	0.1061%
10100049	Anoka-Ramsey Comm College 101-49	447,457	0.1147%
10100050	Vermilion Comm College 101-50	77,113	0.0198%
10100051	MN State Comm and Tech College 101-51	469,509	0.1203%
S0001	Minneapolis - Special School Dist #1	33,550,559	8.5993%
CITY	City of Minneapolis	2,250,000	0.5767%
MSPSD	Msp School District	2,250,000	0.5767%
STATE	State of MN	31,087,410	7.9684%
	<b>Total</b>	<b>\$ 390,131,928</b>	<b>100.00000%</b>

















ID	Entity	Allocation	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense				
				Differences Between Expected and Actual Experience	Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	Changes of Assumptions	Changes in Proportion	Differences Between Entity Contributions and Proportionate Share of Contributions	Total Deferred Outflows of Resources	Differences Between Expected and Actual Experience	Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	Changes of Assumptions	Changes in Proportion	Differences Between Entity Contributions and Proportionate Share of Contributions	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Net Amortization of Deferred Amounts from Differences Between Entity Contributions & Proportionate Share of Contributions
10100031	Mesabi Range Comm & Tech College 101-31	0.0448%	10,685,869	580,682	5,925,489	25,775	6,531,946	298				298	1,583,452	\$	5,155		1,588,607	
10100032	Hibbing Comm College 101-32	0.0578%	13,786,679	749,184	7,644,938		8,394,122	384			268,059	268,443	2,042,935	\$	(53,612)		1,989,323	
10100033	Minnesota State College-SE Tech 101-33	0.0615%	14,669,217	797,142	8,134,320		8,931,462	409			159,805	160,214	2,173,712	\$	(31,961)		2,141,751	
10100034	Riverland Community College 101-34	0.0808%	19,272,728	1,047,302	10,687,042		11,734,344	537			572,204	572,741	2,855,868	\$	(114,441)		2,741,427	
10100035	South Central College 101-35	0.0937%	22,349,686	1,214,508	12,393,265	77,325	13,685,098	623				623	3,311,817	\$	15,465		3,327,282	
10100036	Minnesota West Comm & Tech College 101-36	0.0829%	19,773,628	1,074,522	10,964,799		12,039,321	551			278,369	278,920	2,930,093	\$	(55,674)		2,874,419	
10100037	St Cloud Tech College 101-37	0.1153%	27,501,801	1,494,479	15,250,197	25,775	16,770,451	767				767	4,075,267	\$	5,155		4,080,422	
10100038	St Paul College 101-38	0.0999%	23,828,534	1,294,870	13,213,310	226,820	14,735,000	664				664	3,530,956	\$	45,364		3,576,320	
10100039	Northeast Service Unit 101-39	0.0054%	1,288,029	69,993	714,233		784,226	36				36	190,862	\$	-		190,862	
10100040	Fond duLac Tribal and Comm College 101-40	0.0288%	6,869,487	373,296	3,809,243		4,182,539	192			113,410	113,602	1,017,933	\$	(22,682)		995,251	
10100041	North Hennepin Comm College 101-41	0.1143%	27,263,277	1,481,518	15,117,932		16,599,450	760			716,543	717,303	4,039,923	\$	(143,309)		3,896,614	
10100042	Northland Community & Tech College 101-42	0.0749%	17,865,437	970,828	9,906,676		10,877,504	498			72,170	72,668	2,647,333	\$	(14,434)		2,632,899	
10100043	Normandale Community College 101-43	0.1070%	25,522,053	1,386,898	14,152,395		15,539,293	712			381,469	382,181	3,781,905	\$	(76,294)		3,705,611	
10100044	Inver Hills Community College 101-44	0.0697%	16,625,113	903,428	9,218,896		10,122,324	464			195,890	196,354	2,463,540	\$	(39,178)		2,424,362	
10100045	Itasca Community College 101-45	0.0432%	10,304,231	559,944	5,713,864		6,273,808	287			433,019	433,306	1,526,900	\$	(86,604)		1,440,296	
10100046	Rainy River Community College 101-46	0.0086%	2,051,305	111,470	1,137,482		1,248,952	57			15,465	15,522	303,966	\$	(3,093)		300,873	
10100048	Rochester Comm & Tech College 101-48	0.1061%	25,307,382	1,375,232	14,033,356		15,408,588	706			97,945	98,651	3,750,094	\$	(19,589)		3,730,505	
10100049	Anoka-Ramsey Comm College 101-49	0.1147%	27,358,687	1,486,702	15,170,838	87,635	16,745,175	763			-	763	4,054,060	\$	17,527		4,071,587	
10100050	Vermilion Comm College 101-50	0.0198%	4,722,772	256,641	2,618,854		2,875,495	132			103,100	103,232	699,829	\$	(20,620)		679,209	
10100051	MN State Comm and Tech College 101-51	0.1203%	28,694,420	1,559,288	15,911,524		17,470,812	800			329,919	330,719	4,251,992	\$	(65,984)		4,186,008	
	Schools dropped during the year	0.0000%	-	-	-		-	-			757,783	757,783	-	\$	(151,557)		(151,557)	
S0001	Minneapolis - Special School Dist #1	8.5993%	2,051,138,226	111,461,199	1,137,389,590	54,544,962	1,303,395,751	57,178			-	57,178	303,941,435	\$	10,908,981		314,850,416	
CITY	City of Minneapolis	0.5767%	137,556,710	7,474,989	76,277,439		83,752,428	3,835			742,318	746,153	20,383,406	\$	(148,464)		20,234,942	
MSPSD	Msp School District	0.5767%	137,556,710	7,474,989	76,277,439		83,752,428	3,835			742,318	746,153	20,383,406	\$	(148,464)		20,234,942	
state	State of MN	7.9684%	1,900,653,526	103,283,695	1,053,943,374		1,157,227,069	52,990			91,511,397	91,564,387	281,642,331	\$	(18,302,280)		263,340,051	
	<b>Total</b>	<b>100.00000%</b>	<b>\$ 23,852,386,000</b>	<b>\$ -</b>	<b>\$ 1,296,166,000</b>	<b>\$ 13,226,537,000</b>	<b>\$ 149,216,374</b>	<b>\$ -</b>	<b>\$ 14,671,919,374</b>	<b>\$ 665,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 149,216,374</b>	<b>\$ -</b>	<b>\$ 149,881,374</b>	<b>\$ 3,534,490,378</b>	<b>\$ -</b>	<b>\$ 3,534,490,378</b>



**Teachers Retirement Association**  
**Notes to the Schedule of Employer and Non-Employer Allocations and**  
**Schedule of Pension Amounts by Entity, Current Reporting Period Only**  
**for the Fiscal Year Ended June 30, 2016**

**NOTE 1: PLAN DESCRIPTION**

**A. Organization**

The Teachers Retirement Association (TRA) is an administrator of a multiple employer, cost-sharing defined benefit retirement fund. TRA administers a Basic Plan (without Social Security coverage) and a Coordinated Plan (with Social Security coverage) in accordance with Minnesota Statutes, Chapters 354 and 356. TRA is a separate statutory entity and is administered by a Board of Trustees. The Board consists of four active members, one retired member and three statutory officials.

**B. Participating employers and direct aid contributions**

Teachers employed in Minnesota's public elementary and secondary schools, charter schools, and certain educational institutions maintained by the state (except those teachers employed by the city of St. Paul and by the University of Minnesota system) are required to be TRA members. State university, community college, and technical college teachers first employed by the Minnesota State system may elect TRA coverage within one year of eligible employment. Alternatively, these teachers may elect coverage through the Defined Contribution Retirement Plan (DCR) administered by Minnesota State.

TRA serves 595 employer units. During the fiscal year TRA received direct aid contributions from the following sources: State of Minnesota \$31,087,410; City of Minneapolis \$2,250,000; and Minneapolis School District \$2,250,000. The direct aid is a result of the Minneapolis Teachers Retirement Fund Association merger into TRA in 2006 and the Duluth Teachers' Retirement Fund Association merger into TRA in 2015. These contributions meet the requirements for a special funding situation under GASB Statement 68, paragraph 15.

**NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING AND REPORTING POLICIES**

**A. Basis of presentation and basis of accounting**

1. Employers participating in TRA's cost-sharing multiple-employer defined benefit plan are required to report pension information in their financial statements for fiscal periods beginning after June 15, 2014, in accordance with Governmental Accounting Standards Board (GASB) Statement No. 68, *Accounting* and the *Financial Reporting for Pensions*. The *Schedule of Employer and Non-Employer Allocations and Schedule of Pension Amounts by Entity, Current Reporting Period Only*, provide entities with the required information for financial reporting.
2. The underlying financial information used to prepare the pension schedules is based on TRA's financial statements, which are prepared on the accrual basis of accounting. The financial statements are prepared in accordance with accounting principles generally accepted

in the United States of America (GAAP) that apply to governmental accounting for fiduciary funds.

3. The preparation of the pension schedules requires management to make a number of estimates and assumptions relating to the reported amounts. Due to the inherent nature and uncertainty of these estimates, actual results could differ, and the differences may be material.
4. Employer contributions with the employer paid dates that fall within TRA's fiscal year ending June 30, 2016, are used as the basis for determining each entity's proportionate share of the collective pension amounts reported in the *Schedule of Employer and Non-Employer Allocations*.
5. The *Schedule of Pension Amounts by Entity, Current Reporting Period Only*, presents deferred inflows of resources, deferred outflows of resources, and pension expense for the current reporting period (measurement period) only. In addition to the current period amounts reported on this schedule, entities need to account for deferred inflows of resources and deferred outflows of resources related to pensions from prior reporting periods and continue to amortize those amounts against pension expense (based on previously established amortization periods) in their financial statements in accordance with generally accepted accounting principles.
  - a. TRA calculated the deferred inflows of resources and deferred outflows of resources related to pensions for the change in proportion percentage from the end of the prior measurement period (June 30, 2015) to the end of the current measurement period (June 30, 2016) for the net pension liability only. Entities are responsible for accounting for the impact of the change in proportion from the prior measurement date to the current measurement date on deferred inflows of resources and deferred outflows of resources related to pensions and amortizing those amounts over the average estimated remaining service lives of all plan members, except for investment gains and losses, which should be amortized over five years.
  - b. TRA determined that the difference between employer and non-employer actual contributions and the contributions used in the proportionate share percentage calculation (the miscellaneous contributions not representative of future contribution efforts as further explained in Note 2.B.) were not material in the aggregate or to individual entities. Therefore, TRA did not include these differences as deferred inflows or outflows of resources related to pensions in the *Schedule of Pension Amounts by Entity, Current Reporting Period Only*.

- c. The following tables reflect the amortization of collective deferred outflows and inflows of resources related to pensions for the current reporting period only.

**Deferred outflows of resources**

*(in thousands)*

	<b><u>Changes of Assumptions</u></b>	<b><u>Differences between projected and actual earnings</u></b>
Amortization period	6 years	5 years
Current period additions	\$15,871,845	\$ 1,620,207
Amortized in period ending June 30,		
2016	2,645,308	324,041
2017	2,645,308	324,041
2018	2,645,308	324,041
2019	2,645,308	324,041
2020	2,645,308	324,043
2021	2,645,305	

**Deferred inflows of resources**

*(in thousands)*

	<b><u>Difference between actual and expected experience</u></b>
Amortization period	6 years
Current period additions	\$ 798
Amortized in period ending June 30,	
2016	133
2017	133
2018	133
2019	133
2020	133
2021	133

6. The components of the calculation of the net pension liability of TRA for participating employers and the special funding contributors (non-employer contributing entities) as of June 30, 2016, calculated in accordance with GASB Statement No. 67, are shown below (in thousands).

Total pension liability (A)	\$43,276,817
Plan fiduciary net position (B)	<u>\$19,424,431</u>
Net pension liability (A-B)	\$ 23,852,386
Plan fiduciary net position as a percentage of the total pension liability (B/A)	44.88%

The total pension liability is calculated by TRA's actuary.

**B. Reconciliation of financial statement employer contributions to total contributions reported on the *Schedule of Employer and Non-Employer Allocations***

While GASB 68 allows the employer's proportionate share of the collective pension amounts to be based on historical employer contributions, it encourages the use of the employer's projected long-term contributions effort to the retirement plan. Therefore, the employer's proportionate share reported in the *Schedule of Employer and Non-Employer Allocations* is calculated using historical employer contributions, with two adjustments to employer contributions that are not reflective of future contributions. The following is a reconciliation of employer contributions in TRA's Comprehensive Annual Financial Report (CAFR) "Statement of Changes in Fiduciary Net Position" to the contributions used in *Schedule of Employer and Non-Employer Allocations*.

(in thousands)

Employer contributions reported in TRA's CAFR, Statement of Changes in Fiduciary Net Position	\$354,961
Add employer contributions not related to future contribution efforts	26
Deduct TRA's contributions not included in allocation	<u>(443)</u>
Total employer contributions	\$354,544
Total non-employer contributions	<u>35,588</u>
Total contributions reported in <i>Schedule of Employer and Non-Employer Allocations</i>	<u>\$390,132</u>

### NOTE 3: ACTUARIAL METHODS AND ASSUMPTIONS

The total pension liability in the June 30, 2016, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement.

<b>Key Methods and Assumptions Used in Valuation of Total Pension Liability</b>	
<b>Actuarial Information</b>	
Valuation date	July 1, 2016
Experience study	June 5, 2015
Actuarial cost method	Entry Age Normal
Actuarial assumptions:	
Investment rate of return	4.66%, from the Single Equivalent Interest Rate calculation
Price inflation	2.75%
Wage growth rate	3.5%
Projected salary increase	3.5 – 9.5%
Cost of living adjustment	2.0%
Mortality assumptions	
Pre-retirement:	RP- 2014 white collar employee table, male rates set back six years and female rates set back five years. Generational projection uses the MP-2015 scale.
Post-retirement:	RP-2014 white collar annuitant table, male rates set back three years and female rates set back three years, with further adjustments of the rates. Generational projection uses the MP-2015 scale.
Post-disability:	RP-2014 disabled retiree mortality table, without adjustment.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

The total pension liability (TPL) is calculated using a discount rate called the Single Equivalent Interest Rate (SEIR). The projection of cash flows used to determine the discount rate was performed in accordance with GASB 67. On that basis, TRA’s Fiduciary Net Position (FNP) was projected to be depleted in 2052 and, as a result, the Municipal Bond Index Rate was used in the determination of the SEIR. The long-term expected rate of return was applied to periods before 2052 and the Municipal Bond Index Rate of 3.01 percent was applied to periods on and after 2052, resulting in a SEIR of 4.66 percent. Based on FNP at prior year measurement date, the discount rate of 8.00 percent was used and it was not necessary to calculate the SEIR.

The target allocation and best estimates of geometric real rates of return for each major asset class are summarized in the following table:

<b>Asset Class</b>	<b>Target Allocation</b>	<b>Long-Term Expected Real Rate of Return</b>
Domestic stocks	45%	5.50%
International stocks	15%	6.00
Bonds	18%	1.45
Alternative assets	20%	6.40
Unallocated cash	<u>2%</u>	0.50
<b>Total</b>	<b><u>100%</u></b>	

The following presents the net pension liability of TRA calculated using the discount rate of 4.66 percent, as well as what the net pension liability would be if it were calculated using a discount rate that is one percentage point lower (3.66 percent) or one percentage point higher (5.66 percent) than the current rate.

<b>Sensitivity of Net Pension Liability (NPL) to Changes in the Discount Rate</b>			
<b>(in thousands)</b>			
	<b>1% Decrease (3.66%)</b>	<b>Current Discount Rate (4.66%)</b>	<b>1% Increase (5.66%)</b>
NPL	\$30,727,835	\$23,852,386	\$18,252,557

The TRA actuary has determined the average of the expected remaining service lives of all members for fiscal year 2016 to be six years. The *Differences Between Expected and Actual Experience*, *Changes of Assumptions*, and *Changes in Proportion* use this amortization period of six years in the schedule presented. The amortization period for *Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments* is five years as required by GASB 68.

#### NOTE 4: PENSION EXPENSE

The components of pension expense reported in the *Schedule of Pension Amounts by Entity, Current Reporting Period Only*, for the period ending June 30, 2016, are presented below.

<i>(in thousands)</i>	
Service cost	\$ 438,938
Interest on the total pension liability	2,062,775
Current-period benefit changes	0
Expensed portion of current-period difference between expected and actual experience in the total pension liability	(133)
Expensed portion of current-period changes of assumptions	2,645,308
Member contributions	(347,256)
Projected earnings on plan investments	(1,596,535)
Expensed portion of current-period differences between actual and projected earnings on plan investments	324,041
Administrative expense	11,338
Other	<u>(3,569)</u>
Total pension expense	\$ 3,534,907
Less TRA employer contributions and miscellaneous adjustments	<u>(417)</u>
<b>Pension expense – Schedule Of Pension Amounts By Entity, Current Reporting Period Only</b>	<b><u><u>\$ 3,534,490</u></u></b>

#### NOTE 5: ADDITIONAL FINANCIAL AND ACTUARIAL INFORMATION

Additional financial information supporting the preparation of the *Schedule of Employer and Non-Employer Allocations and the Schedule of Pension Amounts by Entity, Current Reporting Period Only* is located in TRA's Comprehensive Annual Financial Report for the fiscal year ended June 30, 2016. The supporting actuarial information can be found in the GASB 67-68 report. Both reports can be obtained at <https://MinnesotaTRA.org/FORMSPUB/eepubs.html>.