

A Pension Trust Fund of the State of Minnesota

2020

For the fiscal year ended
June 30, 2020

Employer and Non-Employer GASB 68 Schedules & Notes



**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 of Minnesota as of and for the year ended June 30, 2020, 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, 2020, 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.

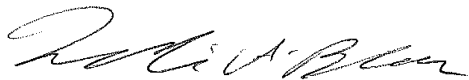
We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

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, 2020, 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.



JULIE BLAHA
STATE AUDITOR



DIANNE SYVERSON, CPA
DEPUTY STATE AUDITOR

May 12, 2021

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00001	Aitkin - ISD #1	\$ 465,244	0.1011%
00002	Hill City - ISD #2	153,523	0.0334%
00004	McGregor - ISD #4	211,287	0.0459%
00006	South St Paul Special School Dist. #6	1,621,283	0.3523%
00011	Anoka-Hennepin - ISD #11	20,024,208	4.3508%
00012	Centennial - ISD #12	2,719,820	0.5909%
00013	Columbia Heights - ISD #13	1,559,090	0.3388%
00014	Fridley - ISD #14	1,455,987	0.3163%
00015	St Francis - ISD #15	1,772,426	0.3851%
00016	Spring Lake Park - ISD #16	2,438,441	0.5298%
00022	Detroit Lakes - ISD #22	1,404,678	0.3052%
00023	Frazee-Vergas Public Schools	398,168	0.0865%
00031	Bemidji - ISD #31	2,324,497	0.5051%
00032	Blackduck - ISD #32	248,002	0.0539%
00036	Kelliher - ISD #36	150,420	0.0327%
00038	Red Lake - ISD #38	1,000,527	0.2174%
00047	Sauk Rapids - ISD #47	1,891,509	0.4110%
00051	Foley - ISD #51	753,733	0.1638%
00075	St Clair - ISD #75	257,280	0.0559%
00077	Mankato - ISD #77	4,122,913	0.8958%
00081	Comfrey Public School ISD #81	77,566	0.0169%
00084	Sleepy Eye - ISD #84	242,556	0.0527%
00085	Springfield - ISD #85	251,784	0.0547%
00088	New Ulm - ISD #88	879,880	0.1912%
00091	Barnum - ISD #91	268,356	0.0583%
00093	Carlton - ISD #93	178,921	0.0389%
00094	Cloquet - ISD #94	1,225,024	0.2662%
00095	Cromwell - ISD #95	134,225	0.0292%
00097	Moose Lake - ISD #97	254,089	0.0552%
00099	Esko - ISD #99	478,396	0.1039%
00100	Wrenshall - ISD #100	167,530	0.0364%
00108	Central School District - ISD #108	390,855	0.0849%
00110	Waconia - ISD #110	1,685,055	0.3661%
00111	Watertown-Mayer - ISD #111	590,807	0.1284%
00112	Eastern Carver County Schools - ISD #112	5,113,266	1.1110%
00113	Walker-Hackensack - ISD #113	363,856	0.0791%
00115	Cass Lake - ISD #115	663,080	0.1441%
00116	Pillager - ISD #116	421,924	0.0917%
00118	Northland Community Schools - ISD #118	205,739	0.0447%
00129	Montevideo - ISD #129	715,714	0.1555%
00138	North Branch - ISD #138	948,199	0.2060%
00139	Rush City - ISD #139	318,899	0.0693%
00146	Barnesville - ISD #146	336,361	0.0731%
00150	Hawley - ISD #150	402,757	0.0875%
00152	Moorhead - ISD #152	3,125,929	0.6792%
00162	Bagley - ISD #162	368,556	0.0801%
00166	Cook County - ISD #166	221,525	0.0481%
00173	Mountain Lake - ISD #173	221,889	0.0482%
00177	Windom - ISD #177	457,981	0.0995%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00181	Brainerd - ISD #181	2,989,977	0.6496%
00182	Crosby-Ironton - ISD #182	417,342	0.0907%
00186	Pequot Lakes - ISD #186	654,231	0.1421%
00191	Burnsville - ISD #191	4,638,815	1.0079%
00192	Farmington - ISD #192	3,262,551	0.7089%
00194	Lakeville - ISD #194	5,672,638	1.2325%
00195	Randolph - ISD #195	245,931	0.0534%
00196	Rosemount-Apple Valley-Eagan - ISD #196	14,840,815	3.2245%
00197	West St Paul - ISD #197	2,731,460	0.5935%
00199	Inver Grove Heights - ISD #199	1,616,990	0.3513%
00200	Hastings - ISD #200	1,836,878	0.3991%
00203	Hayfield - ISD #203	275,719	0.0599%
00204	Kasson-Mantorville - ISD #204	786,799	0.1710%
00206	Alexandria - ISD #206	1,806,645	0.3925%
00213	Osakis - ISD #213	319,508	0.0694%
00227	Chatfield - ISD #227	323,616	0.0703%
00229	Lanesboro - ISD #229	144,199	0.0313%
00238	Mabel-Canton - ISD #238	115,935	0.0252%
00239	Rushford - ISD #239	302,139	0.0656%
00241	Albert Lea - ISD #241	1,742,072	0.3785%
00242	Alden - ISD #242	211,139	0.0459%
00246	Central MN ERDC #246	11,948	0.0026%
00252	Cannon Falls - ISD #252	452,730	0.0984%
00253	Goodhue - ISD #253	243,430	0.0529%
00255	Pine Island - ISD #255	551,188	0.1198%
00256	Red Wing - ISD #256	1,099,002	0.2388%
00261	Ashby - ISD #261	108,538	0.0236%
00264	Herman - ISD #264	56,800	0.0123%
00270	Hopkins - ISD #270	3,884,750	0.8441%
00271	Bloomington - ISD #271	6,168,601	1.3403%
00272	Eden Prairie - ISD #272	4,455,112	0.9680%
00273	Edina - ISD #273	4,464,747	0.9701%
00276	Minnetonka - ISD #276	5,542,835	1.2043%
00277	Westonka - ISD #277	1,157,104	0.2514%
00278	Orono - ISD #278	1,442,170	0.3133%
00279	Osseo - ISD #279	10,816,247	2.3501%
00280	Richfield - ISD #280	2,237,294	0.4861%
00281	Robbinsdale - ISD #281	6,459,417	1.4035%
00282	St Anthony - ISD #282	829,710	0.1803%
00283	St Louis Park - ISD #283	2,486,124	0.5402%
00284	Wayzata - ISD #284	6,263,881	1.3610%
00286	Brooklyn Center - ISD #286	1,018,273	0.2212%
00287	Interm School District #287	2,489,447	0.5409%
00288	Southwest Metro Intermediate District	654,989	0.1423%
00294	Houston - ISD #294	639,977	0.1391%
00297	Spring Grove - ISD #297	160,988	0.0350%
00299	Caledonia - ISD #299	307,215	0.0668%
00300	LaCrescent - ISD #300	447,090	0.0971%
00306	Laporte - ISD #306	141,941	0.0308%

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**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00308	Nevis - ISD #308	242,546	0.0527%
00309	Park Rapids - ISD #309	654,582	0.1422%
00314	Braham - ISD #314	266,875	0.0580%
00316	Greenway Schools - ISD #316	436,538	0.0948%
00317	Deer River - ISD #317	456,029	0.0991%
00318	Grand Rapids - ISD #318	1,859,092	0.4039%
00319	Nashwauk-Keewatin - ISD #319	263,563	0.0573%
00330	Heron Lake-Okabena - ISD #330	132,819	0.0289%
00332	Mora - ISD #332	695,213	0.1511%
00333	Ogilvie - ISD #333	194,765	0.0423%
00345	New London-Spicer - ISD #345	670,918	0.1458%
00347	Willmar - ISD #347	1,912,658	0.4156%
00356	Lancaster - ISD #356	84,074	0.0183%
00361	International Falls - ISD #361	421,937	0.0917%
00362	Littlefork - Big Falls - ISD #362	126,501	0.0275%
00363	So Koochiching-Rainy River - ISD #363	167,370	0.0364%
00378	Dawson - ISD #378	248,976	0.0541%
00381	Lake Superior - ISD #381	668,736	0.1453%
00382	Northwest Reg Intradst Council #382	50,490	0.0110%
00390	Lake of the Woods - ISD #390	195,480	0.0425%
00391	Cleveland - ISD #391	185,529	0.0403%
00397	Lake Agassiz Spec Ed Coop #397	85,364	0.0185%
00398	Midwest Spec Ed Coop #398	97,697	0.0212%
00402	Hendricks - ISD #402	86,288	0.0187%
00403	Ivanhoe - ISD #403	32,993	0.0072%
00404	Lake Benton - ISD #404	51,038	0.0111%
00413	Marshall - ISD #413	1,227,753	0.2668%
00414	Minneota - ISD #414	201,230	0.0437%
00415	Lynd - ISD #415	79,293	0.0172%
00423	Hutchinson - ISD #423	1,116,365	0.2426%
00424	Lester Prairie - ISD #424	167,574	0.0364%
00432	Mahnomen - ISD #432	309,856	0.0673%
00435	Waubun - ISD #435	306,101	0.0665%
00441	Marshall County Central - ISD #441	181,477	0.0394%
00447	Grygla - ISD #447	92,154	0.0200%
00458	Truman - ISD #458	110,613	0.0240%
00463	Eden Valley - Watkins - ISD #463	356,648	0.0775%
00465	Litchfield - ISD #465	608,058	0.1321%
00466	Dassel-Cokato - ISD #466	870,004	0.1890%
00473	Isle - ISD #473	176,035	0.0382%
00477	Princeton - ISD #477	1,325,071	0.2879%
00480	Onamia - ISD #480	324,844	0.0706%
00482	Little Falls - ISD #482	1,052,056	0.2286%
00484	Pierz - ISD #484	461,038	0.1002%
00485	Royalton - ISD #485	304,544	0.0662%
00486	Swanville - ISD #486	113,199	0.0246%
00487	Upsala - ISD #487	138,633	0.0301%
00492	Austin - ISD #492	2,354,399	0.5116%
00495	Grand Meadow - ISD #495	189,327	0.0411%

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**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00497	Lyle - ISD #497	107,275	0.0233%
00499	LeRoy - ISD #499	114,277	0.0248%
00500	Southland - ISD #500	174,900	0.0380%
00505	Fulda - ISD #505	155,765	0.0338%
00507	Nicollet - ISD #507	148,597	0.0323%
00508	St Peter - ISD #508	942,535	0.2048%
00511	Adrian - ISD #511	201,269	0.0437%
00514	Ellsworth - ISD #514	77,064	0.0167%
00518	Worthington - ISD #518	1,458,382	0.3169%
00531	Byron - ISD #531	801,435	0.1741%
00533	Dover-Eyota - ISD #533	439,207	0.0954%
00534	Stewartville - ISD #534	780,704	0.1696%
00535	Rochester - ISD #535	8,552,065	1.8581%
00542	Battle Lake Public Schools - ISD #542	176,800	0.0384%
00544	Fergus Falls - ISD #544	1,022,758	0.2222%
00545	Henning - ISD #545	158,452	0.0344%
00547	Parkers Prairie - ISD #547	215,462	0.0468%
00548	Pelican Rapids - ISD #548	343,124	0.0746%
00549	Perham - ISD #549	615,663	0.1338%
00550	Underwood - ISD #550	206,239	0.0448%
00553	New York Mills - ISD #553	255,226	0.0555%
00561	Goodridge - ISD #561	99,607	0.0216%
00564	Thief River Falls Public Schools #564	802,140	0.1743%
00577	Willow River - ISD #577	185,308	0.0403%
00578	Pine City - ISD #578	681,618	0.1481%
00581	Edgerton - ISD #581	187,392	0.0407%
00592	Climax - ISD #592	95,158	0.0207%
00593	Crookston - ISD #593	478,964	0.1041%
00595	East Grand Forks - ISD #595	769,788	0.1673%
00599	Fertile-Beltrami - ISD #599	203,281	0.0442%
00600	Fisher - ISD #600	126,525	0.0275%
00601	Fosston - ISD #601	276,789	0.0601%
00621	Mounds View - ISD #621	5,507,246	1.1966%
00622	North St Paul-Maplewood - ISD #622	5,027,585	1.0924%
00623	Roseville - ISD #623	3,809,328	0.8277%
00624	White Bear Lake - ISD #624	4,402,339	0.9565%
00630	Red Lake Falls - ISD #630	181,219	0.0394%
00635	Milroy - ISD #635	33,262	0.0072%
00640	Wabasso - ISD #640	174,319	0.0379%
00656	Faribault - ISD #656	1,754,256	0.3812%
00659	Northfield - ISD #659	1,722,166	0.3742%
00671	Hills-Beaver Creek - ISD #671	141,054	0.0306%
00676	Badger - ISD #676	117,164	0.0255%
00682	Roseau - ISD #682	458,079	0.0995%
00690	Warroad - ISD #690	447,726	0.0973%
00695	Chisholm - ISD #695	291,647	0.0634%
00696	Ely - ISD #696	222,122	0.0483%
00698	Floodwood - ISD #698	95,486	0.0207%
00700	Hermantown - ISD #700	769,036	0.1671%

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**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00701	Hibbing - ISD #701	1,009,514	0.2193%
00704	Proctor - ISD #704	816,944	0.1775%
00706	Virginia - ISD #706	787,995	0.1712%
00707	Nett Lake - ISD #707	37,974	0.0083%
00709	Duluth - ISD #709	3,807,735	0.8273%
00712	Mountain Iron-Buhl - ISD #712	223,576	0.0486%
00716	Belle Plaine - ISD #716	561,907	0.1221%
00717	Jordan - ISD #717	827,406	0.1798%
00719	Prior Lake - ISD #719	3,778,718	0.8210%
00720	Shakopee - ISD #720	3,655,799	0.7943%
00721	New Prague - ISD #721	1,825,507	0.3966%
00726	Becker - ISD #726	1,217,437	0.2645%
00727	Big Lake - ISD #727	1,173,551	0.2550%
00728	Elk River - ISD #728	5,427,401	1.1792%
00738	Holdingsford - ISD #738	367,298	0.0798%
00739	Kimball - ISD #739	275,399	0.0598%
00740	Melrose - ISD #740	513,739	0.1116%
00741	Paynesville - ISD #741	421,946	0.0917%
00742	St Cloud - ISD #742	5,130,314	1.1147%
00743	Sauk Centre - ISD #743	467,297	0.1015%
00745	Albany - ISD #745	808,564	0.1757%
00748	Sartell - ISD #748	1,598,765	0.3474%
00750	Rocori - ISD #750	868,221	0.1886%
00756	Blooming Prairie - ISD #756	350,812	0.0762%
00761	Owatonna - ISD #761	2,288,213	0.4972%
00763	Medford - ISD #763	333,055	0.0724%
00768	Hancock - ISD #768	147,121	0.0320%
00771	Chokio-Alberta - ISD #771	87,561	0.0190%
00775	Kerkhoven-Murdock-Sunburg - ISD #775	275,197	0.0598%
00777	Benson - ISD #777	330,451	0.0718%
00786	Bertha-Hewitt - ISD #786	196,400	0.0427%
00787	Browerville - ISD #787	226,589	0.0492%
00801	Browns Valley - ISD #801	78,035	0.0170%
00803	Wheaton - ISD #803	170,996	0.0372%
00811	Wabasha-Kellogg - ISD #811	278,909	0.0606%
00813	Lake City - ISD #813	491,013	0.1067%
00815	Prinsburg - ISD #815	18,344	0.0040%
00818	Verndale - ISD #818	207,915	0.0452%
00820	Sebeka - ISD #820	219,579	0.0477%
00821	Menahga - ISD #821	356,808	0.0775%
00829	Waseca - ISD #829	825,441	0.1793%
00831	Forest Lake - ISD #831	2,593,349	0.5635%
00832	Mahtomedi - ISD #832	1,446,990	0.3144%
00833	South Washington County - ISD #833	9,172,662	1.9930%
00834	Stillwater - ISD #834	3,569,572	0.7756%
00836	Butterfield - ISD #836	111,740	0.0243%
00837	Madelia - ISD #837	242,124	0.0526%
00840	St James - ISD #840	430,174	0.0935%
00846	Breckenridge - ISD #846	276,483	0.0601%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00850	Rothsay - ISD #850	108,362	0.0235%
00852	Campbell-Tintah - ISD #852	70,369	0.0153%
00857	Lewiston - ISD #857	315,627	0.0686%
00858	St Charles - ISD #858	428,162	0.0930%
00861	Winona Area Public Schools - ISD #861	1,351,389	0.2936%
00876	Annandale - ISD #876	779,020	0.1693%
00877	Buffalo - ISD #877	2,367,622	0.5144%
00879	Delano - ISD #879	977,909	0.2125%
00881	Maple Lake - ISD #881	317,219	0.0689%
00882	Monticello - ISD #882	2,081,878	0.4523%
00883	Rockford - ISD #883	645,540	0.1403%
00885	St Michael - ISD #885	2,686,722	0.5838%
00891	Canby - ISD #891	213,746	0.0464%
00911	Cambridge-Isanti - ISD #911	1,949,131	0.4235%
00912	Milaca - ISD #912	794,470	0.1726%
00914	Ulen - Hitterdal -ISD #914	135,719	0.0295%
00915	Southern Plains #915	215,308	0.0468%
00916	NE Metro Interm School Dist. #916	1,867,013	0.4057%
00917	Interm School District #917	1,215,666	0.2641%
00920	Metro ECSU #920	69,623	0.0151%
00921	Southeast Service Coop #921	104,647	0.0227%
00922	South Central Serv Coop #922	55,178	0.0120%
00923	Resource Training and Solutions #923	125,718	0.0273%
00924	North Central Service Coop #924	159,993	0.0348%
00925	Sourcewell Technology #925	44,320	0.0096%
00926	Lakes Country Serv Coop #926	205,918	0.0447%
00927	Northeast Service Coop #927	45,649	0.0099%
00928	Northwest MN Service Co-op #928	115,664	0.0251%
00935	Fergus Falls Spec Ed Coop #935	144,435	0.0314%
00938	Meeker & Wright Spec Ed Coop #938	331,682	0.0721%
00966	Wright Technical Ctr #966	120,396	0.0262%
00978	MN Valley Coop Ctr #978	114,892	0.0250%
00985	Pine to Prairie Coop Ctr #985	7,298	0.0016%
00991	SW/W Central Service Cooperative #991	1,105,914	0.2403%
00997	Area Special Educ Coop #997	127,432	0.0277%
00998	Bemidji Reg Interdist Council #998	290,746	0.0632%
02071	Lake Crystal-Wellcome Memorial ISD #2071	366,602	0.0797%
02125	Triton Schools - ISD #2125	414,736	0.0901%
02134	United South Central - ISD #2134	328,713	0.0714%
02135	Maple River - ISD #2135	371,531	0.0807%
02137	Kingsland - ISD #2137	214,715	0.0467%
02142	St Louis County Schools - ISD #2142	949,083	0.2062%
02143	Waterville-Elysian-Morristown ISD #2143	331,088	0.0719%
02144	Chisago Lakes Area - ISD #2144	1,373,894	0.2985%
02149	Minnewaska Area - ISD #2149	576,114	0.1252%
02154	Eveleth-Gilbert - ISD #2154	413,875	0.0899%
02155	Wadena-Deer Creek - ISD #2155	409,304	0.0889%
02159	Buffalo Lake-Hector - ISD #2159	235,633	0.0512%
02164	Dilworth-Glyndon-Felton - ISD #2164	669,541	0.1455%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
02165	Hinckley-Finlayson - ISD #2165	414,178	0.0900%
02167	Lakeview - ISD #2167	265,703	0.0577%
02168	NRHEG - ISD #2168	341,544	0.0742%
02169	Murray County Central - ISD #2169	298,635	0.0649%
02170	Staples-Motley - ISD #2170	409,511	0.0890%
02171	Kittson Central - ISD #2171	129,578	0.0282%
02172	Kenyon-Wanamingo - ISD #2172	291,802	0.0634%
02174	Pine River-Backus - ISD #2174	402,581	0.0875%
02176	Warren-Alvarado-Oslo - ISD #2176	209,329	0.0455%
02180	MACCRAY - ISD #2180	325,635	0.0708%
02184	Luverne - ISD #2184	548,058	0.1191%
02190	Yellow Medicine East - ISD #2190	235,126	0.0511%
02198	Fillmore Central - ISD #2198	251,270	0.0546%
02215	Norman County East - ISD #2215	139,390	0.0303%
02310	Sibley East - ISD #2310	424,687	0.0923%
02311	Clearbrook-Gonvick - ISD #2311	178,912	0.0389%
02342	West Central Area - ISD #2342	345,543	0.0751%
02358	Tri-County - ISD #2358	91,924	0.0200%
02364	Belgrade-Brooten-Elrosa - ISD #2364	256,967	0.0558%
02365	Gibbon-Fairfax-Winthrop - ISD #2365	287,691	0.0625%
02396	Atwater-Cosmos-Grove City - ISD #2396	367,141	0.0798%
02397	Le Sueur-Henderson - ISD #2397	372,320	0.0809%
02448	Martin County West - ISD #2448	291,909	0.0634%
02527	Norman County West - ISD #2527	52,649	0.0114%
02534	BOLD - ISD #2534	241,677	0.0525%
02536	Granada-Huntley-E Chain - ISD #2536	109,460	0.0238%
02580	East Central - ISD #2580	305,546	0.0664%
02609	Win-E-Mac - ISD #2609	170,829	0.0371%
02683	Greenbush-Middle River - ISD #2683	132,523	0.0288%
02687	Howard Lake-Waverly-Winsted - ISD #2687	495,422	0.1076%
02689	Pipestone Area Schools - ISD #2689	440,061	0.0956%
02711	Mesabi East - ISD #2711	389,199	0.0846%
02752	Fairmont-Ceylon - ISD #2752	672,935	0.1462%
02753	Long Prairie-Grey Eagle - ISD #2753	386,093	0.0839%
02754	Cedar Mountain - ISD #2754	180,090	0.0391%
02769	Morris Area Schools - ISD #2769	429,890	0.0934%
02805	Zumbrota-Mazeppa - ISD #2805	475,322	0.1033%
02835	Janesville-Waldorf-Pemberton - ISD #2835	300,575	0.0653%
02853	Lac qui Parle Valley - ISD #2853	392,249	0.0852%
02854	Ada-Borup - ISD #2854	253,746	0.0551%
02856	Stephen-Argyle - ISD #2856	136,565	0.0297%
02859	Glencoe-Silver Lake - ISD #2859	619,792	0.1347%
02860	Blue Earth Area Public Schools #2860	458,192	0.0996%
02884	Red Rock Central - ISD #2884	180,060	0.0391%
02886	Glenville-Emmons - ISD #2886	101,120	0.0220%
02888	Clinton-Graceville-Beardsley - ISD #2888	127,408	0.0277%
02889	Lake Park-Audubon District - ISD #2889	251,369	0.0546%
02890	Renville County West - ISD #2890	255,595	0.0555%
02895	Jackson County Central Schools ISD #2895	526,911	0.1145%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
02897	Redwood Area Schools - ISD #2897	479,044	0.1041%
02898	Westbrook-Walnut Grove Public School #2898	194,807	0.0423%
02899	Plainview-Elgin-Millville ISD #2899	573,220	0.1245%
02902	RTR Public School #2902	197,689	0.0430%
02903	Ortonville Public School #2903	237,767	0.0517%
02904	Tracy Area School District #2904	295,408	0.0642%
02905	Tri-City United ISD #2905	781,967	0.1699%
02906	Red Lake County Central - ISD #2906	176,143	0.0383%
02907	Round Lake/Brewster - ISD #2907	117,975	0.0256%
02908	Brandon/Evansville - ISD #2908	183,704	0.0399%
03333	Pine Point - ISD #3333	60,034	0.0130%
04000	City Academy	42,023	0.0091%
04001	Bluffview Montessori	68,319	0.0148%
04003	New Heights School	57,498	0.0125%
04004	Cedar-Riverside Community School	70,870	0.0154%
04005	Metro Deaf School	231,186	0.0502%
04007	New Country Charter School	88,552	0.0192%
04008	PACT Charter School	183,292	0.0398%
04011	Athlos Leadership Academy	319,662	0.0695%
04015	Community of Peace	329,372	0.0716%
04016	World Learner School	64,173	0.0139%
04017	MN Transitions Charter School	586,848	0.1275%
04018	Achieve Language Academy	193,061	0.0419%
04020	Duluth Edison Charter School	596,291	0.1296%
04025	Cyber Village Academy	131,006	0.0285%
04026	ECHO Charter School	29,582	0.0064%
04027	Higher Ground	268,924	0.0584%
04029	St Paul City School	211,540	0.0460%
04031	Jennings Experiential High School	35,297	0.0077%
04035	Life Prep Academy	129,867	0.0282%
04036	Face to Face Academy	55,856	0.0121%
04038	Sojourner Truth Academy	168,154	0.0365%
04039	High School for Recording Arts	80,607	0.0175%
04043	Math & Science Academy	160,418	0.0349%
04049	Northwest Passage High School	64,922	0.0141%
04050	Lafayette Charter School	23,685	0.0051%
04053	North Lakes Academy	213,429	0.0464%
04054	LaCrescent Montessori Academy	29,360	0.0064%
04055	Nerstrand Elementary School	46,893	0.0102%
04056	Rosa Parks Charter High School Total	25,557	0.0056%
04057	El Colegio Charter School	56,196	0.0122%
04058	Schoolcraft Learning Community	62,919	0.0137%
04059	Crosslake Community School	128,927	0.0280%
04064	Riverway Learning Community	47,106	0.0102%
04066	Kato Public Charter School	39,542	0.0086%
04067	Aurora Charter School	169,404	0.0368%
04068	Excell Academy for Higher Learning	189,574	0.0412%
04070	HOPE Community Academy	201,581	0.0438%
04073	Academia Cesar Chavez	214,561	0.0466%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
04074	AFSA High School	185,095	0.0402%
04075	Avalon School	150,375	0.0327%
04078	MN International Middle School	346,024	0.0752%
04079	Friendship Academy of Fine Arts	55,064	0.0120%
04080	Pillager Area Charter School	17,231	0.0037%
04081	Discovery Public School of Faribault	26,891	0.0058%
04082	BlueSky Charter School	271,707	0.0590%
04083	Ridgeway Community School	34,429	0.0075%
04084	North Shore Community School	125,223	0.0272%
04085	Harbor City International	89,070	0.0194%
04087	SAGE Academy	37,463	0.0081%
04088	Urban Academy	112,436	0.0244%
04089	New City School Charter School	108,987	0.0237%
04090	Prairie Creek Community School	73,467	0.0160%
04091	Arcadia Charter School	61,926	0.0135%
04092	Watershed High School	30,501	0.0066%
04093	New Century Charter School	49,162	0.0107%
04095	Trio Wolf Creek Distance Learning	68,936	0.0150%
04097	Partnership Academy, Inc.	222,768	0.0484%
04098	Nova Classical Academy	326,227	0.0709%
04100	Great Expectations School	39,972	0.0087%
04102	Mn Internship Center	140,958	0.0306%
04103	Hmong Academy	747,158	0.1623%
04104	Paladin Academy (Liberty High School)	62,971	0.0137%
04105	Great River School	267,464	0.0581%
04106	Trek North High School	109,036	0.0237%
04107	Voyageurs Expeditionary School	56,128	0.0122%
04110	Performing Institute of Minnesota Arts High School	134,935	0.0293%
04111	Augsburg Academy for Health Careers	32,288	0.0070%
04112	St Paul Conservatory for Performing Arts	158,084	0.0343%
04113	Spero Academy	163,575	0.0355%
04116	Lakes International Language Academy	416,946	0.0906%
04118	Kaleidoscope Charter School	229,967	0.0500%
04119	Academic Arts High School	51,729	0.0112%
04120	St Croix Preparatory School	402,845	0.0875%
04121	UBAH Medical Academy	106,770	0.0232%
04122	Eagle Ridge Academy	463,903	0.1008%
04124	Beacon Academy	210,706	0.0458%
04126	Prairie Seeds Academy	242,231	0.0526%
04127	TEAM Academy	58,913	0.0128%
04131	Metro School Charter Total	162,113	0.0352%
04132	Twin Cities Academy High School	224,688	0.0488%
04135	Rochester Math and Science Academy	137,337	0.0298%
04137	Swan River Montessori	59,209	0.0129%
04139	LoveWorks Academy	54,579	0.0119%
04140	Yinghua Academy	278,319	0.0605%
04142	Stride Academy	154,758	0.0336%
04143	New Millennium Academy	216,157	0.0470%
04144	Green Isle Community School	19,650	0.0043%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
04145	Birch Grove Charter School	19,352	0.0042%
04146	Northern Lights Community School	54,665	0.0119%
04150	Minnesota Online High School	103,516	0.0225%
04151	EdVisions Off-Campus Charter School	55,018	0.0120%
04152	Twin Cities German Immersion School	197,689	0.0430%
04153	Dugsi Academy	94,298	0.0205%
04155	Naytahwaush Community School	75,754	0.0165%
04159	Seven Hills Classical	386,326	0.0839%
04160	Spectrum HS	246,407	0.0535%
04161	New Discoveries Montessori Academy	106,098	0.0231%
04162	Southside Family Charter School	39,167	0.0085%
04164	Laura Jeffrey Academy	55,549	0.0121%
04166	East Range Academy of Tech and Science	59,231	0.0129%
04167	International Spanish Language Academy	115,150	0.0250%
04168	Glacial Hills Elementary School	58,376	0.0127%
04169	Stonebridge Community School	113,834	0.0247%
04170	Hiawatha Academies	776,228	0.1687%
04171	Noble Academy	252,849	0.0549%
04172	Clarkfield Area Charter School	17,622	0.0038%
04177	Minisinaakwaang Leadership Academy	23,777	0.0052%
04178	Lincoln International Charter School	55,252	0.0120%
04181	Community School of Excellence	365,427	0.0794%
04183	Lionsgate Academy	434,437	0.0944%
04184	Aspen Academy	175,998	0.0382%
04185	DaVinci Academy of Art and Science	266,895	0.0580%
04186	Global Academy, Inc.	180,054	0.0391%
04187	Natural Science Academy	33,881	0.0074%
04188	Cologne Academy	253,712	0.0551%
04189	Bright Water Elementary Charter School	39,188	0.0085%
04190	River's Edge Academy	4,562	0.0010%
04191	KIPP Minnesota	246,852	0.0536%
04192	Best Academy	305,007	0.0663%
04193	College Prep Elementary	123,432	0.0268%
04194	Cannon River STEM School	132,494	0.0288%
04195	Oshki Ogimaag Charter School	17,697	0.0038%
04198	Discovery Woods Montessori	35,325	0.0077%
04199	Parnassus Preparatory School	364,240	0.0791%
04200	Step Academy	203,174	0.0441%
04201	Cornerstone Montessori Elementary School	35,462	0.0077%
04204	Rochester STEM Academy	42,610	0.0093%
04205	Hennepin Elementary School	199,865	0.0434%
04207	Vermilion Country School	16,486	0.0036%
04208	Nasha Shkola Charter School	42,316	0.0092%
04209	Mastery School	114,499	0.0249%
04210	Upper Mississippi Academy	149,099	0.0324%
04212	West Side Summit Charter School	1,636	0.0004%
04213	Prodeo Academy	278,984	0.0606%
04215	Sejong Academy	92,238	0.0200%
04217	Technical Academies of Minnesota	50,361	0.0109%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
04218	Venture Academy	192,305	0.0418%
04219	Northeast College Prep Charter School	156,210	0.0339%
04220	Agamim Hebrew Language School	98,638	0.0214%
04221	Discovery Charter School	77,702	0.0169%
04223	Saint Cloud Math and Science Academy	92,276	0.0200%
04224	Star of the North Academy	54,306	0.0118%
04225	Universal Academy Charter School	108,863	0.0237%
04226	Bdote Learning Center	74,172	0.0161%
04227	Art and Science Academy	136,126	0.0296%
04228	Woodbury Leadership Academy	119,331	0.0259%
04229	Jane Goodall Environmental Sciences Acad	41,731	0.0091%
04230	Minnesota Excellence in Learning Academy	72,094	0.0157%
04231	Minnesota Math and Science Academy	175,205	0.0381%
04232	Success Academy School	35,328	0.0077%
04233	Level Up Academy Charter School	62,061	0.0135%
04237	Career Pathways	44,636	0.0097%
04238	Rochester Beacon Academy	71,745	0.0156%
04239	TESFA International School	75,921	0.0165%
04240	New Century Academy	99,716	0.0217%
04243	North Metro Flex Academy	84,602	0.0184%
04244	FIT Academy	118,848	0.0258%
04250	Athlos Academy of St Cloud	192,674	0.0419%
04253	Phoenix Academy	27,235	0.0059%
04254	Marine Area Charter School	69,807	0.0152%
04255	Skyline Math & Science Academy	68,576	0.0149%
04258	The Journey School	21,178	0.0046%
04261	SciTech Academy	68,539	0.0149%
04263	Progeny Academy	18,933	0.0041%
04264	Gateway STEM Academy Charter School	65,563	0.0142%
04265	Minnesota Wildflower Montessori School	30,329	0.0066%
04267	Horizon Science Academy Twin Cities	24,336	0.0053%
04268	Great Oaks Academy	5,544	0.0012%
04271	Aurora Waasakone Community of Learners	27,937	0.0061%
04272	Odaa Academy Science & Technology	3,126	0.0007%
04273	Modern Montessori Charter School	26,201	0.0057%
04274	East-West International Education Academy	2,541	0.0006%
04275	St. Paul Northern Lights Charter School	30,456	0.0066%
04276	Notre Ecole Academy Charter School	792	0.0002%
04277	Metro Tech Academy Charter School	5,016	0.0011%
05001	MN Family Career & Comm Leaders of America	6,684	0.0015%
05002	MN Business Professionals of America	2,355	0.0005%
05004	MN Delta Epsilon / DECA	2,329	0.0005%
06004	Freshwater Education Dist. #6004	371,200	0.0807%
06009	St. Croix River Education District	275,369	0.0598%
06012	Zumbro Education District #6012	271,550	0.0590%
06013	Hiawatha Valley Ed Dist. #6013	280,148	0.0609%
06014	Runestone Area Education Dist. #6014	139,221	0.0302%
06017	MN Transitions - Connections Academy	429,907	0.0934%
06026	W Central Education Dist. #6026	153,815	0.0334%

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

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
06027	MN Valley Educ Dist. #6027	193,752	0.0421%
06049	Riverbend Educational Dist. #6049	257,562	0.0560%
06051	Goodhue County Ed Dist. #6051	388,249	0.0844%
06067	East Metro Integration District	32,521	0.0071%
06070	Itasca Area Schools Collaborative	121,523	0.0264%
06076	Northland Learning Center - ISD #6076	265,214	0.0576%
06078	Northwest Suburban ISD #6078	9,345	0.0020%
06079	Rum River Special Education Coop	276,462	0.0601%
06080	Minnesota's Digital Academy	23,940	0.0052%
06083	Southern Minnesota Education Consortium	145,923	0.0317%
06094	Cannon Valley Special Education Coop	179,667	0.0390%
06383	Benton-Stearns Educ Dist. #6383	300,378	0.0653%
06979	Midstate Educational Dist. #6979	140,464	0.0305%
08800037	Dept of Education	860,230	0.1869%
08825000	Perpich Center for Arts Education	105,827	0.0230%
08837001	Minnesota State Academies	290,229	0.0631%
09700004	Education Minnesota	18,666	0.0041%
10100011	System Office 101-11	265,219	0.0576%
10100012	Bemidji State Univ 101-12	450,999	0.0980%
10100013	Minnesota State Univ, Mankato 101-13	746,359	0.1622%
10100014	Minnesota St. University Moorhead 101-14	441,404	0.0959%
10100015	St Cloud State Univ 101-15	824,790	0.1792%
10100016	Southwest Minnesota State Univ 101-16	298,228	0.0648%
10100017	Winona State Univ 101-17	908,477	0.1974%
10100018	Metropolitan State Univ 101-18	667,360	0.1450%
10100020	Alexandria Tech College 101-20	323,873	0.0704%
10100021	Anoka Technical College 101-21	200,169	0.0435%
10100022	Central Lakes College 101-22	383,202	0.0833%
10100023	Dakota County Tech College 101-23	257,137	0.0559%
10100024	Lake Superior College 101-24	322,532	0.0701%
10100025	Hennepin Tech College 101-25	606,399	0.1318%
10100026	Ridgewater College 101-26	463,844	0.1008%
10100027	Minneapolis Comm & Tech College 101-27	506,780	0.1101%
10100028	Century Comm and Tech College 101-28	734,001	0.1595%
10100029	Northwest Tech College - Bemidji 101-29	73,440	0.0160%
10100030	Pine Tech College 101-30	130,780	0.0284%
10100031	Mesabi Range Comm & Tech College 101-31	226,179	0.0491%
10100032	Hibbing Comm College 101-32	209,989	0.0456%
10100033	Minnesota State College-SE Tech 101-33	216,642	0.0471%
10100034	Riverland Community College 101-34	315,589	0.0686%
10100035	South Central College 101-35	379,888	0.0825%
10100036	Minnesota West Comm & Tech College 101-36	394,550	0.0857%
10100037	St Cloud Tech College 101-37	455,300	0.0989%
10100038	St Paul College 101-38	493,954	0.1073%
10100039	Northeast Service Unit 101-39	16,456	0.0036%
10100040	Fond du Lac Tribal & Comm College 101-40	125,611	0.0273%
10100041	North Hennepin Comm College 101-41	469,091	0.1019%
10100042	Northland Community & Tech College 101-42	339,017	0.0737%
10100043	Normandale Community College 101-43	453,231	0.0985%

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**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2020**

ID	Entity	Employer Contributions	Entity Allocations Percentage
10100044	Inver Hills Community College 101-44	310,684	0.0675%
10100045	Itasca Community College 101-45	172,233	0.0374%
10100046	Rainy River Community College 101-46	32,532	0.0071%
10100048	Rochester Comm & Tech College 101-48	441,219	0.0959%
10100049	Anoka-Ramsey Comm College 101-49	539,867	0.1173%
10100050	Vermilion Comm College 101-50	87,428	0.0190%
10100051	MN State Comm and Tech College 101-51	462,208	0.1004%
S0001	Minneapolis - Special School Dist. #1	30,655,662	6.6594%
CITY	City of Minneapolis	2,250,000	0.4889%
MSPSD	MPS	2,250,000	0.4889%
STATE	State of MN	31,087,410	6.7545%
	Total	\$ 460,246,440	100%

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

**Teachers Retirement Association
Schedule of Pension Amounts by Entity
Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense			
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense	
00001	Aitkin - ISD #1	\$ 7,469,403	\$ 149,792	\$ 595,703	\$ 5,622	\$ 143,416	\$ 894,533	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 739,516	\$ 28,683	\$ 768,199	
00002	Hill City - ISD #2	2,467,637	49,486	196,800	1,857	-	248,143	196,800	-	-	-	53,117	53,117	244,311	(10,623)	233,688
00004	McGregor - ISD #4	3,391,154	68,006	270,453	2,552	21,247	362,258	-	-	-	-	-	335,745	4,249	339,994	
00006	South St Paul Special School Dist. #6	26,028,396	521,975	2,075,829	19,591	-	2,617,395	-	-	-	196,532	196,532	2,576,969	(39,307)	2,537,662	
00011	Anoka-Hennepin - ISD #11	321,442,934	6,446,232	25,635,871	241,948	1,455,402	33,779,453	-	-	-	-	-	31,824,797	291,080	32,115,877	
00012	Centennial - ISD #12	43,656,484	875,489	3,481,713	32,860	58,428	4,448,490	-	-	-	-	-	4,322,256	11,686	4,333,942	
00013	Columbia Heights - ISD #13	25,030,998	501,973	1,996,284	18,841	148,727	2,665,825	-	-	-	-	-	2,478,220	29,746	2,507,966	
00014	Fridley - ISD #14	23,368,668	468,636	1,863,709	17,589	-	2,349,934	-	-	-	589,597	589,597	2,313,640	(117,919)	2,195,721	
00015	St Francis - ISD #15	28,451,704	570,572	2,269,094	21,415	-	2,861,081	-	-	-	839,246	839,246	2,816,891	(167,849)	2,649,042	
00016	Spring Lake Park - ISD #16	39,142,334	784,962	3,121,698	29,462	1,678,492	5,614,614	-	-	-	-	-	3,875,328	335,699	4,211,027	
00022	Detroit Lakes - ISD #22	22,548,585	452,190	1,798,306	16,972	-	2,267,468	-	-	-	100,922	100,922	2,232,446	(20,184)	2,212,262	
00023	Frazee-Vergas Public Schools	6,390,736	128,160	509,677	4,810	31,870	674,517	-	-	-	-	-	632,722	6,374	639,096	
00031	Bemidji - ISD #31	37,317,465	748,366	2,976,160	28,089	-	3,752,615	-	-	-	196,532	196,532	3,694,655	(39,307)	3,655,348	
00032	Blackduck - ISD #32	3,982,204	79,859	317,591	2,997	63,740	464,187	-	-	-	-	-	394,262	12,748	407,010	
00036	Kelliher - ISD #36	2,415,920	48,449	192,676	1,818	-	242,943	-	-	-	26,558	26,558	239,191	(5,312)	233,879	
00038	Red Lake - ISD #38	16,061,803	322,104	1,280,969	12,090	-	1,615,163	-	-	-	175,286	175,286	1,590,216	(35,057)	1,555,159	
00047	Sauk Rapids - ISD #47	30,365,231	608,946	2,421,702	22,856	435,558	3,489,062	-	-	-	-	-	3,006,342	87,112	3,093,454	
00051	Foley - ISD #51	12,101,763	242,689	965,146	9,109	-	1,216,944	-	-	-	58,428	58,428	1,198,148	(11,686)	1,186,462	
00075	St Clair - ISD #75	4,129,967	82,823	329,375	3,109	42,493	457,800	-	-	-	-	-	408,892	8,499	417,391	
00077	Mankato - ISD #77	66,182,904	1,327,235	5,278,251	49,815	467,428	7,122,729	-	-	-	-	-	6,552,508	93,486	6,645,994	
00081	Comfrey Public School ISD #81	1,248,595	25,039	99,579	940	-	125,558	-	-	-	58,428	58,428	123,618	(11,686)	111,932	
00084	Sleepy Eye - ISD #84	3,893,547	78,081	310,520	2,931	-	391,532	-	-	-	21,247	21,247	385,485	(4,249)	381,236	
00085	Springfield - ISD #85	4,041,309	81,045	322,304	3,042	37,182	443,573	-	-	-	-	-	400,114	7,436	407,550	
00088	New Ulm - ISD #88	14,126,112	283,286	1,126,592	10,633	169,974	1,590,485	-	-	-	-	-	1,398,571	33,995	1,432,566	
00091	Barnum - ISD #91	4,307,282	86,378	343,516	3,242	-	433,136	-	-	-	610,843	610,843	426,447	(122,169)	304,278	
00093	Carlton - ISD #93	2,873,984	57,635	229,207	2,163	-	289,005	-	-	-	127,481	127,481	284,542	(25,496)	259,046	
00094	Cloquet - ISD #94	19,667,213	394,407	1,568,509	14,803	244,337	2,222,056	-	-	-	-	-	1,947,173	48,868	1,996,041	
00095	Cromwell - ISD #95	2,157,335	43,263	172,053	1,624	37,182	254,122	-	-	-	-	-	213,589	7,436	221,025	
00097	Moose Lake - ISD #97	4,078,250	81,785	325,251	3,070	-	410,106	-	-	-	111,545	111,545	403,771	(22,309)	381,462	
00099	Esko - ISD #99	7,676,271	153,940	612,202	5,778	-	771,920	-	-	-	-	-	759,997	-	759,997	
00100	Wrenshall - ISD #100	2,689,281	53,931	214,477	2,024	37,182	307,614	-	-	-	-	-	266,255	7,436	273,691	
00108	Central School District - ISD #108	6,272,526	125,790	500,249	4,721	-	630,760	-	-	-	122,168	122,168	621,018	(24,434)	596,584	
00110	Waconia - ISD #110	27,047,959	542,421	2,157,142	20,359	-	2,719,922	-	-	-	695,831	695,831	2,677,912	(139,166)	2,538,746	
00111	Watertown-Mayer - ISD #111	9,486,364	190,240	756,561	7,140	-	953,941	-	-	-	37,182	37,182	939,207	(7,436)	931,771	
00112	Eastern Carver County Schools - ISD #112	82,082,169	1,646,080	6,546,256	61,783	717,077	8,971,196	-	-	-	-	-	8,126,632	143,416	8,270,048	
00113	Walker-Hackensack - ISD #113	5,844,014	117,196	466,075	4,399	-	587,670	-	-	-	84,987	84,987	578,593	(16,997)	561,596	
00115	Cass Lake - ISD #115	10,646,301	213,501	849,069	8,013	-	1,070,583	-	-	-	127,481	127,481	1,054,048	(25,496)	1,028,552	
00116	Pillager - ISD #116	6,774,919	135,865	540,317	5,099	143,416	824,697	-	-	-	-	-	670,758	28,683	699,441	
00118	Northland Community Schools - ISD #118	3,302,496	66,228	263,382	2,486	-	332,096	-	-	-	26,558	26,558	326,967	(5,312)	321,655	
00129	Montevideo - ISD #129	11,488,548	230,392	916,240	8,647	-	1,155,279	-	-	-	21,247	21,247	1,137,436	(4,249)	1,133,187	
00138	North Branch - ISD #138	15,219,556	305,214	1,213,797	11,456	-	1,530,467	-	-	-	1,280,116	1,280,116	1,506,828	(256,023)	1,250,805	
00139	Rush City - ISD #139	5,119,977	102,676	408,331	3,854	308,077	822,938	-	-	-	-	-	506,909	61,616	568,525	
00146	Barnesville - ISD #146	5,400,726	108,306	430,721	4,065	74,363	617,455	-	-	-	-	-	534,705	14,873	549,578	
00150	Hawley - ISD #150	6,464,617	129,642	515,569	4,866	10,623	660,700	-	-	-	-	-	640,036	2,125	642,161	
00152	Moorhead - ISD #152	50,180,206	1,006,316	4,001,996	37,770	1,168,571	6,214,653	-	-	-	-	-	4,968,144	233,714	5,201,858	
00162	Bagley - ISD #162	5,917,895	118,678	471,967	4,454	-	595,099	-	-	-	63,740	63,740	585,907	(12,748)	573,159	
00166	Cook County - ISD #166	3,553,692	71,266	283,416	2,675	63,740	421,097	-	-	-	-	-	351,837	12,748	364,585	
00173	Mountain Lake - ISD #173	3,561,081	71,414	284,005	2,680	10,623	368,722	-	-	-	-	-	352,569	2,125	354,694	
00177	Windom - ISD #177	7,351,193	147,421	586,276	5,533	-	739,230	-	-	-	58,428	58,428	727,813	(11,686)	716,127	
00181	Brainerd - ISD #181	47,993,318	962,460	3,827,586	36,124	345,259	5,171,429	-	-	-	5,171,429	5,171,429	4,751,629	69,052	4,820,681	
00182	Crosby-Ironton - ISD #182	6,701,038	134,383	534,424	5,044	26,558	700,409	-	-	-	-	-	663,443	5,312	668,755	
00186	Pequot Lakes - ISD #186	10,498,538	210,538	837,284	7,902	451,493	1,507,217	-	-	-	-	-	1,039,419	90,299	1,129,718	
00191	Burnsville - ISD #191	74,465,003	1,493,325	5,938,769	56,049	-	7,488,143	-	-	-	3,585,387	3,585,387	7,372,486	(717,077)	6,655,409	
00192	Farmington - ISD #192	52,374,482	1,050,320	4,176,995	39,422	605,532	5,872,269	-	-	-	-	-	5,185,391	121,106	5,306,497	
00194	Lakeville - ISD #194	91,058,752	1,826,097	7,262,161	68,539	8,525,253	17,682,050	-	-	-	-	-	9,015,368	1,705,051	10,720,419	
00195	Randolph - ISD #195	3,945,264	79,119	314,645	2,970	95,610	492,344	-	-	-	-	-	390,605	19,122	409,727	
00196	Rosemount-Apple Valley-Eagan - ISD #196	238,230,381	4,777,484	18,999,463	179,314	-	23,956,261	-	-	-	5,279,814	5,279,814	23,586,250	(1,055,963)	22,530,287	
00197	West St Paul - ISD #197	43,848,575	879,341	3,497,033	33,005	329,324	4,738,703	-	-	-	-	-	4,341,274	65,865	4,407,139	
00199	Inver Grove Heights - ISD #199	25,954,515	520,493	2,069,937	19,536	-	2,609,966	-	-	-	175,286	175,286	2,569,654	(35,057)	2,534,597	
00200	Hastings - ISD #200	29,486,043	591,315	2,351,585	22,194	196,532	3,161,626	-	-	-	3,161,626	3,161,626	2,919,297	39,307	2,958,604	
00203	Hayfield - ISD #203	4,425,492	88,749	352,944	3,331	-	445,024	-	-	-	47,805	47,805	438,151	(9,561)	428,590	
00204	Kasson-Mantorville - ISD #204	12,633,709	253,357	1,007,570	9,509	90,298	1,360,734	-	-	-	-	-	1,250,814	18,060	1,268,874	
00206	Alexandria - ISD #206	28,998,426	581,536	2,312,696	21,827	42,493	2,958,552	-	-	-	-	-	2,871,020	8,499	2,879,519	
00213	Osakis - ISD #213	5,127,365	102,824	408,920	3,859	37,182	552,785	-	-	-	-	-	507,640	7,436	515,076	
00227	Chatfield - ISD #227	5,193,858	104,158	414,223	3,909	-	522,290	-	-	-	185,909	185,909	514,223	(37,182)	477,041	
00229	Lanesboro - ISD #229	2,312,486	46,375	184,426	1,741	-	232,542	-	-	-	84,987	84,987	228,950	(16,997)	211,953	
00238	Mabel-Canton - ISD #238	1,861,810	37,337	148,484	1,401	84,987	272,209	-	-	-	-	-	184,330	16,997	201,327	
00239	Rushford - ISD #239	4,846,616	97,194	386,530	3,648	15,935	503,307	-	-	-	-	-	479,844	3,187	483,031	
00241	Albert Lea - ISD #241	27,964,087	560,793	2,230,205	21,048	-	2,812,046	-	-	-	393,065	393,065	2,768,614	(78,613)	2,690,001	
00242	Alden - ISD #242	3,391,154	68,006	270,453	2,552	15,935	356,946	-	-	-	-	-	335,745	3,187	338,932	
00246	Central MN ERDC #246	192,091	3,852	15,320	145	-	19,317	-	-	-	53,117	53,117	19,018	(10,623)	8,395	
00252	Cannon Falls - ISD #252															

**Teachers Retirement Association
Schedule of Pension Amounts by Entity
Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense
00253	Goodhue - ISD #253	3,908,323	78,378	311,698	2,942	58,428	451,446	-	-	-	-	-	386,948	11,686	398,634
00255	Pine Island - ISD #255	8,850,985	177,498	705,888	6,662	265,584	1,155,632	-	-	-	-	-	876,301	53,117	929,418
00256	Red Wing - ISD #256	17,642,864	353,811	1,407,062	13,280	270,896	2,045,049	-	-	-	-	-	1,746,750	54,179	1,800,929
00261	Ashby - ISD #261	1,743,600	34,966	139,056	1,312	84,987	260,321	-	-	-	-	-	172,627	16,997	189,624
00264	Herman - ISD #264	908,740	18,224	72,474	684	-	91,382	-	-	-	53,117	53,117	89,971	(10,623)	79,348
00270	Hopkins - ISD #270	62,363,239	1,250,635	4,973,623	46,940	1,290,739	7,561,937	-	-	-	-	-	6,174,338	258,148	6,432,486
00271	Bloomington - ISD #271	99,023,160	1,985,815	7,897,342	74,534	578,973	10,536,664	-	-	-	-	-	9,803,892	115,795	9,919,687
00272	Eden Prairie - ISD #272	71,517,137	1,434,208	5,703,669	53,830	472,740	7,664,447	-	-	-	-	-	7,080,630	94,548	7,175,178
00273	Edina - ISD #273	71,672,288	1,437,320	5,716,043	53,947	-	7,207,310	-	-	-	53,117	53,117	7,095,990	(10,623)	7,085,367
00276	Minnetonka - ISD #276	88,975,298	1,784,315	7,096,001	66,971	2,363,699	11,310,986	-	-	-	-	-	8,809,093	472,740	9,281,833
00277	Westonka - ISD #277	18,573,769	372,479	1,481,304	13,980	260,272	2,128,035	-	-	-	-	-	1,838,916	52,055	1,890,971
00278	Orono - ISD #278	23,147,024	464,192	1,846,033	17,423	366,506	2,694,154	-	-	-	-	-	2,291,696	73,301	2,364,997
00279	Osseo - ISD #279	173,628,537	3,481,955	13,847,306	130,689	-	17,459,950	-	-	-	21,247	21,247	17,190,276	(4,249)	17,186,027
00280	Richfield - ISD #280	35,913,719	720,215	2,864,208	27,032	-	3,611,455	-	-	-	1,067,648	1,067,648	3,555,676	(213,530)	3,342,146
00281	Robbinsdale - ISD #281	103,692,461	2,079,454	8,269,731	78,049	-	10,427,234	-	-	-	871,116	871,116	10,266,181	(174,223)	10,091,958
00282	St Anthony - ISD #282	13,320,806	267,136	1,062,367	10,026	361,194	1,700,723	-	-	-	1,700,723	-	1,318,840	72,239	1,391,079
00283	St Louis Park - ISD #283	39,910,700	800,371	3,182,977	30,041	58,428	4,071,817	-	-	-	-	-	3,951,401	11,686	3,963,087
00284	Wayzata - ISD #284	100,552,504	2,016,485	8,019,311	75,685	3,271,997	13,383,478	-	-	-	-	-	9,955,307	654,400	10,609,707
00286	Brooklyn Center - ISD #286	16,342,552	327,734	1,303,359	12,301	-	1,643,394	-	-	-	499,298	499,298	1,618,012	(99,860)	1,518,152
00287	Interm School District #287	39,962,417	801,408	3,187,102	30,079	637,402	4,655,991	-	-	-	-	-	3,956,521	127,481	4,084,002
00288	Southwest Metro Intermediate District	10,513,315	210,835	838,463	7,913	541,792	1,599,003	-	-	-	-	-	1,040,882	108,358	1,149,240
00294	Houston - ISD #294	10,276,894	206,093	819,608	7,735	169,974	1,203,410	-	-	-	-	-	1,017,475	33,995	1,051,470
00297	Spring Grove - ISD #297	2,585,847	51,857	206,228	1,946	111,545	371,576	-	-	-	-	-	256,015	22,309	278,324
00299	Caledonia - ISD #299	4,935,274	98,972	393,600	3,715	-	496,287	-	-	-	79,675	79,675	488,622	(15,935)	472,687
00300	LaCrescent - ISD #300	7,173,878	143,865	572,135	5,400	-	721,400	-	-	-	31,870	31,870	710,257	(6,374)	703,883
00306	Laporte - ISD #306	2,275,545	45,634	181,480	1,713	31,870	260,697	-	-	-	-	-	225,293	6,374	231,667
00308	Nevis - ISD #308	3,893,547	78,081	310,520	2,931	31,870	423,402	-	-	-	-	-	385,485	6,374	391,859
00309	Park Rapids - ISD #309	10,505,927	210,686	837,874	7,908	207,156	1,263,624	-	-	-	-	-	1,040,150	41,431	1,081,581
00314	Braham - ISD #314	4,285,118	85,934	341,749	3,225	69,052	499,960	-	-	-	-	-	424,253	13,810	438,063
00316	Greenway Schools - ISD #316	7,003,951	140,458	558,582	5,272	100,922	805,234	-	-	-	-	-	693,434	20,184	713,618
00317	Deer River - ISD #317	7,321,641	146,829	583,919	5,511	-	736,259	-	-	-	106,233	106,233	724,887	(21,247)	703,640
00318	Grand Rapids - ISD #318	29,840,673	598,426	2,379,868	22,461	-	3,000,755	-	-	-	-	-	2,954,407	-	2,954,407
00319	Nashwauk-Keewatin - ISD #319	4,233,401	84,897	337,624	3,186	-	425,707	-	-	-	21,247	21,247	419,132	(4,249)	414,883
00330	Heron Lake-Okabena - ISD #330	2,135,171	42,819	170,285	1,607	37,182	251,893	-	-	-	-	-	211,395	7,436	218,831
00332	Mora - ISD #332	11,163,470	223,873	890,314	8,403	-	1,122,590	-	-	-	58,428	58,428	1,105,251	(11,686)	1,093,565
00333	Ogilvie - ISD #333	3,125,181	62,673	249,241	2,352	-	314,266	-	-	-	127,481	127,481	309,412	(25,496)	283,916
00345	New London-Spicer - ISD #345	10,771,899	216,020	859,086	8,108	1,110,142	2,193,356	-	-	-	-	-	1,066,483	222,028	1,288,511
00347	Willmar - ISD #347	30,705,085	615,761	2,448,807	23,112	-	3,087,680	-	-	-	69,052	69,052	3,039,989	(13,810)	3,026,179
00356	Lancaster - ISD #356	1,352,029	27,114	107,828	1,018	-	135,960	-	-	-	69,052	69,052	133,859	(13,810)	120,049
00361	International Falls - ISD #361	6,774,919	135,865	540,317	5,099	143,416	824,697	-	-	-	-	-	670,758	28,683	699,441
00362	Littlefork - Big Falls - ISD #362	2,031,737	40,745	162,036	1,529	31,870	236,180	-	-	-	-	-	201,154	6,374	207,528
00363	So Koochiching-Rainy River - ISD #363	2,689,281	53,931	214,477	2,024	-	270,432	-	-	-	217,779	217,779	266,255	(43,556)	222,699
00378	Dawson - ISD #378	3,996,980	80,156	318,769	3,009	5,312	407,246	-	-	-	407,246	-	395,725	1,062	396,787
00381	Lake Superior - ISD #381	10,734,959	215,279	856,140	8,080	-	1,079,499	-	-	-	53,117	53,117	1,062,826	(10,623)	1,052,203
00382	Northwest Reg Intrad Council #382	812,695	16,298	64,814	612	-	81,724	-	-	-	90,298	90,298	80,462	(18,060)	62,402
00390	Lake of the Woods - ISD #390	3,139,957	62,969	250,419	2,363	-	315,751	-	-	-	21,247	21,247	310,875	(4,249)	306,626
00391	Cleveland - ISD #391	2,977,418	59,709	237,456	2,241	31,870	331,276	-	-	-	-	-	294,782	6,374	301,156
00397	Lake Agassiz Spec Ed Coop #397	1,366,805	27,410	109,006	1,029	79,675	217,120	-	-	-	-	-	135,322	15,935	151,257
00398	Midwest Spec Ed Coop #398	1,566,284	31,410	124,915	1,179	58,428	215,932	-	-	-	-	-	155,072	11,686	166,758
00402	Hendricks - ISD #402	1,381,581	27,706	110,185	1,040	-	138,931	-	-	-	84,987	84,987	136,785	(16,997)	119,788
00403	Ivanhoe - ISD #403	531,946	10,668	42,424	400	15,935	69,427	-	-	-	-	-	52,666	3,187	55,853
00404	Lake Benton - ISD #404	820,083	16,446	65,404	617	-	82,467	-	-	-	37,182	37,182	81,193	(7,436)	73,757
00413	Marshall - ISD #413	19,711,542	395,296	1,572,044	14,837	440,870	2,423,047	-	-	-	-	-	1,951,562	88,174	2,039,736
00414	Minneota - ISD #414	3,228,615	64,747	257,490	2,430	-	324,667	-	-	-	10,623	10,623	319,652	(2,125)	317,527
00415	Lynd - ISD #415	1,270,759	25,484	101,346	956	-	127,786	-	-	-	47,805	47,805	125,813	(9,561)	116,252
00423	Hutchinson - ISD #423	17,923,613	359,441	1,429,453	13,491	-	1,802,385	-	-	-	828,622	828,622	1,774,546	(165,725)	1,608,821
00424	Lester Prairie - ISD #424	2,689,281	53,931	214,477	2,024	26,558	296,990	-	-	-	-	-	266,255	5,312	271,567
00432	Mahnomen - ISD #432	4,972,214	99,713	396,546	3,743	148,727	648,729	-	-	-	-	-	492,279	29,746	522,025
00435	Waubun - ISD #435	4,913,109	98,528	391,833	3,698	122,168	616,227	-	-	-	-	-	486,428	24,434	510,862
00441	Marshall County Central - ISD #441	2,910,925	58,376	232,153	2,191	90,298	383,018	-	-	-	-	-	288,199	18,060	306,259
00447	Grygla - ISD #447	1,477,627	29,632	117,844	1,112	-	148,588	-	-	-	42,493	42,493	146,294	(8,499)	137,795
00458	Truman - ISD #458	1,773,152	35,559	141,413	1,335	74,363	252,670	-	-	-	-	-	175,553	14,873	190,426
00463	Eden Valley - Watkins - ISD #463	5,725,804	114,826	456,647	4,310	-	575,783	-	-	-	53,117	53,117	566,889	(10,623)	556,266
00465	Litchfield - ISD #465	9,759,725	195,722	778,362	7,346	-	981,430	-	-	-	345,259	345,259	966,272	(69,052)	897,220
00466	Dassel-Cokato - ISD #466	13,963,573	280,026	1,113,630	10,510	26,558	1,430,724	-	-	-	-	-	1,382,478	5,312	1,387,790
00473	Isle - ISD #473	2,822,267	56,598	225,083	2,124	-	283,805	-	-	-	31,870	31,870	279,422	(6,374)	273,048
00477	Princeton - ISD #477	21,270,438	426,558	1,696,370	16,010	111,545	2,250,483	-	-	-	-	-	2,105,902	22,309	2,128,211
00480	Onamia - ISD #480	5,216,023	104,602	415,991	3,926	154,039	678,558	-	-	-	-	-	516,418	30,808	547,226
00482	Little Falls - ISD #482	16,889,274	338,698	1,346,961	12,712	-	1,698,371	-	-	-	79,675	79,675	1,672,140	(15,935)	1,656,205
00484	Pierz - ISD #484	7,402,910	148,458	590,400	5,572	95,610	840,040	-	-	-	-	-	732,933	19,122	752,055
00485	Royalton - ISD #485	4,890,945	98,083	390,065	3,681	-	491,829	-	-	-	106,233	106,233	484,233	(21,247)	462,986
00486	Swanville - ISD #486	1,817,481	36,448	144,949	1,368	42,493	225,258	-	-	-	-	-	179,942	8,499	188,441

**Teachers Retirement Association
Schedule of Pension Amounts by Entity
Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in	
														Proportion	Total Pension Expense
00487	Upsala - ISD #487	2,223,828	44,597	177,356	1,674	-	223,627	-	-	-	47,805	47,805	220,172	(9,561)	210,611
00492	Austin - ISD #492	37,797,694	757,997	3,014,460	28,450	207,156	4,008,063	-	-	-	-	-	3,742,201	41,431	3,783,632
00495	Grand Meadow - ISD #495	3,036,523	60,895	242,170	2,286	-	305,351	-	-	-	69,052	69,052	300,634	(13,810)	286,824
00497	Lyle - ISD #497	1,721,435	34,522	137,289	1,296	-	173,107	-	-	-	26,558	26,558	170,433	(5,312)	165,121
00499	LeRoy - ISD #499	1,832,257	36,744	146,127	1,379	-	184,250	-	-	-	95,610	95,610	181,405	(19,122)	162,283
00500	Southland - ISD #500	2,807,491	56,302	223,904	2,113	-	282,319	-	-	-	223,091	223,091	277,959	(44,618)	233,341
00505	Fulda - ISD #505	2,497,189	50,079	199,157	1,880	-	251,116	-	-	-	42,493	42,493	247,237	(8,499)	238,738
00507	Nicollet - ISD #507	2,386,367	47,856	190,319	1,796	-	239,971	-	-	-	69,052	69,052	236,265	(13,810)	222,455
00508	St Peter - ISD #508	15,130,898	303,436	1,206,727	11,389	366,506	1,888,058	-	-	-	-	-	1,498,051	73,301	1,571,352
00511	Adrian - ISD #511	3,228,615	64,747	257,490	2,430	-	324,667	-	-	-	5,312	5,312	319,652	(1,062)	318,590
00514	Ellsworth - ISD #514	1,233,818	24,743	98,400	929	-	124,072	-	-	-	31,870	31,870	122,155	(6,374)	115,781
00518	Worthington - ISD #518	23,412,997	469,525	1,867,245	17,623	148,727	2,503,120	-	-	-	-	-	2,318,028	29,746	2,347,774
00531	Byron - ISD #531	12,862,741	257,950	1,025,836	9,682	313,389	1,606,857	-	-	-	-	-	1,273,489	62,678	1,336,167
00533	Dover-Eyota - ISD #533	7,048,280	141,347	562,118	5,305	-	708,770	-	-	-	-	-	697,822	-	697,822
00534	Stewartville - ISD #534	12,530,275	251,283	999,321	9,431	26,558	1,286,593	-	-	-	-	-	1,240,573	5,312	1,245,885
00535	Rochester - ISD #535	137,278,918	2,752,998	10,948,334	103,329	1,280,116	15,084,777	-	-	-	-	-	13,591,444	256,023	13,847,467
00542	Battle Lake Public Schools - ISD #542	2,837,043	56,894	226,261	2,135	26,558	311,848	-	-	-	-	-	280,884	5,312	286,196
00544	Fergus Falls - ISD #544	16,416,434	329,216	1,309,251	12,357	377,129	2,027,953	-	-	-	-	-	1,625,326	75,426	1,700,752
00545	Henning - ISD #545	2,541,518	50,968	202,692	1,913	42,493	298,066	-	-	-	-	-	251,626	8,499	260,125
00547	Parkers Prairie - ISD #547	3,457,647	69,340	275,756	2,603	-	347,699	-	-	-	111,545	111,545	342,328	(22,309)	320,019
00548	Pelican Rapids - ISD #548	5,511,548	110,529	439,560	4,149	-	554,238	-	-	-	435,558	435,558	545,677	(87,112)	458,565
00549	Perham - ISD #549	9,885,323	198,241	788,379	7,441	254,961	1,249,022	-	-	-	-	-	978,707	50,992	1,029,699
00550	Underwood - ISD #550	3,309,884	66,377	263,971	2,491	21,247	354,086	-	-	-	-	-	327,699	4,249	331,948
00553	New York Mills - ISD #553	4,100,414	82,230	327,018	3,086	-	412,334	-	-	-	-	-	405,966	-	405,966
00561	Goodridge - ISD #561	1,595,837	32,003	127,272	1,201	26,558	187,034	-	-	-	-	-	157,998	5,312	163,310
00564	Thief River Falls Public Schools #564	12,877,518	258,246	1,027,014	9,693	-	1,294,953	-	-	-	31,870	31,870	1,274,952	(6,374)	1,268,578
00577	Willow River - ISD #577	2,977,418	59,709	237,456	2,241	-	299,406	-	-	-	10,623	10,623	294,782	(2,125)	292,657
00578	Pine City - ISD #578	10,941,826	219,428	872,638	8,236	-	1,100,302	-	-	-	26,558	26,558	1,083,307	(5,312)	1,077,995
00581	Edgerton - ISD #581	3,006,971	60,302	239,813	2,263	37,182	339,560	-	-	-	-	-	297,708	7,436	305,144
00592	Climax - ISD #592	1,529,344	30,670	121,969	1,151	-	153,790	-	-	-	21,247	21,247	151,414	(4,249)	147,165
00593	Crookston - ISD #593	7,691,047	154,237	613,380	5,789	-	773,406	-	-	-	180,597	180,597	761,460	(36,120)	725,340
00595	East Grand Forks - ISD #595	12,360,348	247,875	985,768	9,304	180,597	1,423,544	-	-	-	-	-	1,223,749	36,120	1,259,869
00599	Fertile-Beltrami - ISD #599	3,265,555	65,488	260,436	2,458	-	328,382	-	-	-	69,052	69,052	323,310	(13,810)	309,500
00600	Fisher - ISD #600	2,031,737	40,745	162,036	1,529	90,298	294,608	-	-	-	-	-	201,154	18,060	219,214
00601	Fosston - ISD #601	4,440,269	89,045	354,122	3,342	-	446,509	-	-	-	5,312	5,312	439,613	(1,062)	438,551
00621	Mounds View - ISD #621	88,406,411	1,772,906	7,050,630	66,543	1,136,700	10,026,779	-	-	-	-	-	8,752,770	227,340	8,980,110
00622	North St Paul-Maplewood - ISD #622	80,707,976	1,618,522	6,436,661	60,748	733,012	8,848,943	-	-	-	-	-	7,990,578	146,603	8,137,181
00623	Roseville - ISD #623	61,151,585	1,226,337	4,876,990	46,028	-	6,149,355	-	-	-	695,831	695,831	6,054,377	(139,166)	5,915,211
00624	White Bear Lake - ISD #624	70,667,502	1,417,170	5,635,908	53,191	-	7,106,269	-	-	-	169,974	169,974	6,996,511	(33,995)	6,962,516
00630	Red Lake Falls - ISD #630	2,910,925	58,376	232,153	2,191	37,182	329,902	-	-	-	-	-	288,199	7,436	295,635
00635	Milroy - ISD #635	531,946	10,668	42,424	400	31,870	85,362	-	-	-	-	-	52,666	6,374	59,040
00640	Wabasso - ISD #640	2,800,103	56,153	223,315	2,108	63,740	345,316	-	-	-	-	-	277,227	12,748	289,975
00656	Faribault - ISD #656	28,163,567	564,794	2,246,114	21,199	-	2,832,107	-	-	-	339,947	339,947	2,788,364	(67,990)	2,720,374
00659	Northfield - ISD #659	27,646,397	554,422	2,204,869	20,809	-	2,780,100	-	-	-	3,351,672	3,351,672	2,737,161	(670,335)	2,066,826
00671	Hills-Beaver Creek - ISD #671	2,260,769	45,338	180,302	1,702	-	227,342	-	-	-	5,312	5,312	223,830	(1,062)	222,768
00676	Badger - ISD #676	1,883,974	37,781	150,252	1,418	-	189,451	-	-	-	5,312	5,312	186,525	(1,062)	185,463
00682	Roseau - ISD #682	7,351,193	147,421	586,276	5,533	-	739,230	-	-	-	154,039	154,039	727,813	(30,808)	697,005
00690	Warroad - ISD #690	7,188,654	144,162	573,313	5,411	387,753	1,110,639	-	-	-	-	-	711,720	77,551	789,271
00695	Chisholm - ISD #695	4,684,077	93,935	373,567	3,526	175,286	646,314	-	-	-	-	-	463,752	35,057	498,809
00696	Ely - ISD #696	3,568,469	71,562	284,594	2,686	-	358,842	-	-	-	21,247	21,247	353,300	(4,249)	349,051
00698	Floodwood - ISD #698	1,529,344	30,670	121,969	1,151	-	153,790	-	-	-	106,233	106,233	151,414	(21,247)	130,167
00700	Hermantown - ISD #700	12,345,572	247,579	984,590	9,292	-	1,241,461	-	-	-	37,182	37,182	1,222,286	(7,436)	1,214,850
00701	Hibbing - ISD #701	16,202,178	324,919	1,292,164	12,195	223,091	324,369	-	-	-	1,852,369	-	1,604,114	44,618	1,648,732
00704	Proctor - ISD #704	13,113,938	262,988	1,045,869	9,871	26,558	1,345,286	-	-	-	-	-	1,298,359	5,312	1,303,671
00706	Virginia - ISD #706	12,648,485	253,653	1,008,748	9,520	1,168,571	2,440,492	-	-	-	-	-	1,252,277	233,714	1,485,991
00707	Nett Lake - ISD #707	613,215	12,297	48,905	462	5,312	66,976	-	-	-	-	-	60,712	1,062	61,774
00709	Duluth - ISD #709	61,122,033	1,225,744	4,874,634	46,006	-	6,146,384	-	-	-	233,714	233,714	6,051,451	(46,743)	6,004,708
00712	Mountain Iron-Buhl - ISD #712	3,590,633	72,007	286,362	2,703	69,052	430,124	-	-	-	-	-	355,494	13,810	369,304
00716	Belle Plaine - ISD #716	9,020,912	180,906	719,440	6,790	-	907,136	-	-	-	175,286	175,286	893,125	(35,057)	858,068
00717	Jordan - ISD #717	13,283,865	266,395	1,059,421	9,999	318,701	1,654,516	-	-	-	-	-	1,315,183	63,740	1,378,923
00719	Prior Lake - ISD #719	60,656,580	1,216,410	4,837,513	45,656	1,226,999	7,326,578	-	-	-	-	-	6,005,369	245,400	6,250,769
00720	Shakopee - ISD #720	58,683,948	1,176,851	4,680,190	44,171	-	5,901,212	-	-	-	648,026	648,026	5,810,066	(129,605)	5,680,461
00721	New Prague - ISD #721	29,301,339	587,610	2,336,854	22,055	584,285	3,530,804	-	-	-	-	-	2,901,010	116,857	3,017,867
00726	Becker - ISD #726	19,541,614	391,888	1,558,492	14,709	90,298	2,055,387	-	-	-	-	-	1,934,738	18,060	1,952,798
00727	Big Lake - ISD #727	18,839,742	377,813	1,502,516	14,181	-	1,894,510	-	-	-	424,935	424,935	1,865,249	(84,987)	1,780,262
00728	Elk River - ISD #728	87,120,876	1,747,126	6,948,106	65,575	-	8,760,807	-	-	-	2,103,427	2,103,427	8,625,494	(420,685)	8,204,809
00738	Holdingford - ISD #738	5,895,731	118,233	470,199	4,438	15,935	608,805	-	-	-	-	-	583,713	3,187	586,900
00739	Kimball - ISD #739	4,418,104	88,601	352,355	3,325	-	444,281	-	-	-	15,935	15,935	437,419	(3,187)	434,232
00740	Melrose - ISD #740	8,245,158	165,349	657,572	6,206	-	829,127	-	-	-	127,481	127,481	816,321	(25,496)	790,825
00741	Paynesville - ISD #741	6,774,919	135,865	540,317	5,099	-	681,281	-	-	-	31,870	31,870	670,758	(6,374)	664,384
00742	St Cloud - ISD #742	82,355,530	1,651,562	6,568,058	61,988	451,493	8,733,101	-	-	-	-	-	8,153,696	90,299	8,243,995
00743	Sauk Centre - ISD #743	7,498,956	150,384	598,060	5,644	26									

**Teachers Retirement Association
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ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense
00745	Albany - ISD #745	12,980,951	260,321	1,035,263	9,771	-	1,305,355	-	-	-	53,117	53,117	1,285,193	(10,623)	1,274,570
00748	Sartell - ISD #748	25,666,378	514,715	2,046,957	19,319	-	2,580,991	-	-	-	100,922	100,922	2,541,127	(20,184)	2,520,943
00750	Rocori - ISD #750	13,934,021	279,434	1,111,273	10,488	90,298	1,491,493	-	-	-	-	-	1,379,552	18,060	1,397,612
00756	Bloomington Prairie - ISD #756	5,629,758	112,899	448,987	4,237	185,909	752,032	-	-	-	-	-	557,380	37,182	594,562
00761	Owatonna - ISD #761	36,733,802	736,661	2,929,612	27,649	164,662	3,858,584	-	-	-	-	-	3,636,869	32,933	3,669,802
00763	Medford - ISD #763	5,349,009	107,269	426,597	4,026	127,481	665,373	-	-	-	-	-	529,584	25,496	555,080
00768	Hancock - ISD #768	2,364,203	47,412	188,551	1,780	148,727	386,470	-	-	-	-	-	234,070	29,746	263,816
00771	Chokio-Alberta - ISD #771	1,403,745	28,151	111,952	1,057	21,247	162,407	-	-	-	-	-	138,979	4,249	143,228
00775	Kerkhoven-Murdock-Sunburg - ISD #775	4,418,104	88,601	352,355	3,325	53,117	497,398	-	-	-	-	-	437,419	10,623	448,042
00777	Benson - ISD #777	5,304,680	106,380	423,061	3,993	-	533,434	-	-	-	366,506	366,506	525,195	(73,301)	451,894
00786	Bertha-Hewitt - ISD #786	3,154,733	63,265	251,598	2,375	5,312	322,550	-	-	-	-	-	312,338	1,062	313,400
00787	Browerville - ISD #787	3,634,962	72,896	289,897	2,736	-	365,529	-	-	-	106,233	106,233	359,883	(21,247)	338,636
00801	Browns Valley - ISD #801	1,255,983	25,188	100,168	945	26,558	152,859	-	-	-	-	-	124,350	5,312	129,662
00803	Wheaton - ISD #803	2,748,386	55,116	219,191	2,069	-	276,376	-	-	-	69,052	69,052	272,107	(13,810)	258,297
00811	Wabasha-Kellogg - ISD #811	4,477,209	89,786	357,069	3,370	414,312	864,537	-	-	-	-	-	443,271	82,862	526,133
00813	Lake City - ISD #813	7,883,139	158,089	628,700	5,934	-	792,723	-	-	-	84,987	84,987	780,478	(16,997)	763,481
00815	Prinsburg - ISD #815	295,525	5,926	23,569	222	-	29,717	-	-	-	5,312	5,312	29,259	(1,062)	28,197
00818	Verndale - ISD #818	3,339,437	66,969	266,328	2,514	31,870	367,681	-	-	-	-	-	330,624	6,374	336,998
00820	Sebeka - ISD #820	3,524,140	70,673	281,059	2,653	-	354,385	-	-	-	175,286	175,286	348,911	(35,057)	313,854
00821	Menahga - ISD #821	5,725,804	114,826	456,647	4,310	-	575,783	-	-	-	63,740	63,740	566,889	(12,748)	554,141
00829	Waseca - ISD #829	13,246,924	265,654	1,056,475	9,971	26,558	1,358,658	-	-	-	-	-	1,311,526	5,312	1,316,838
00831	Forest Lake - ISD #831	41,632,135	834,893	3,320,266	31,336	2,469,933	6,656,428	-	-	-	-	-	4,121,833	493,987	4,615,820
00832	Mahtomedi - ISD #832	23,228,293	465,821	1,852,514	17,484	-	2,335,819	-	-	-	148,727	148,727	2,299,742	(29,746)	2,269,996
00833	South Washington County - ISD #833	147,245,511	2,952,869	11,743,194	110,831	-	14,806,894	-	-	-	1,880,336	1,880,336	14,578,197	(376,067)	14,202,130
00834	Stillwater - ISD #834	57,302,367	1,149,144	4,570,006	43,131	-	5,762,281	-	-	-	1,094,207	1,094,207	5,673,281	(218,841)	5,454,440
00836	Butterfield - ISD #836	1,795,317	36,003	143,181	1,351	10,623	191,158	-	-	-	-	-	177,747	2,125	179,872
00837	Madelia - ISD #837	3,886,158	77,933	309,931	2,925	-	390,789	-	-	-	21,247	21,247	384,753	(4,249)	380,504
00840	St James - ISD #840	6,907,905	138,531	550,923	5,200	-	694,654	-	-	-	154,039	154,039	683,924	(30,808)	653,116
00846	Breckenridge - ISD #846	4,440,269	89,045	354,122	3,342	-	446,509	-	-	-	-	-	439,613	-	439,613
00850	Rothsay - ISD #850	1,736,211	34,818	138,467	1,307	-	174,592	-	-	-	69,052	69,052	171,895	(13,810)	158,085
00852	Campbell-Tintah - ISD #852	1,130,385	22,669	90,151	851	-	113,671	-	-	-	26,558	26,558	111,915	(5,312)	106,603
00857	Lewiston - ISD #857	5,068,260	101,639	404,206	3,815	53,117	562,777	-	-	-	-	-	501,788	10,623	512,411
00858	St Charles - ISD #858	6,870,965	137,791	547,976	5,172	58,428	749,367	-	-	-	-	-	680,267	11,686	691,953
00861	Winona Area Public Schools - ISD #861	21,691,561	435,004	1,729,956	16,327	-	2,181,287	-	-	-	961,415	961,415	2,147,596	(192,283)	1,955,313
00876	Annandale - ISD #876	12,508,111	250,838	997,553	9,415	472,740	1,730,546	-	-	-	-	-	1,238,379	94,548	1,332,927
00877	Buffalo - ISD #877	38,004,561	762,145	3,030,958	28,606	-	3,821,709	-	-	-	802,064	802,064	3,762,682	(160,413)	3,602,269
00879	Delano - ISD #879	15,699,785	314,844	1,252,097	11,817	69,052	1,647,810	-	-	-	-	-	1,554,374	13,810	1,568,184
00881	Maple Lake - ISD #881	5,090,424	102,084	405,974	3,832	-	511,890	-	-	-	-	-	503,983	-	503,983
00882	Monticello - ISD #882	33,416,530	670,137	2,665,051	25,152	-	3,360,340	-	-	-	297,454	297,454	3,308,439	(59,491)	3,248,948
00883	Rockford - ISD #883	10,365,552	207,871	826,678	7,802	201,844	1,244,195	-	-	-	1,244,195	1,244,195	1,026,252	40,369	1,066,621
00885	St Michael - ISD #885	43,131,926	864,970	3,439,878	32,465	833,934	5,171,247	-	-	-	-	-	4,270,322	166,787	4,437,109
00891	Canby - ISD #891	3,428,094	68,747	273,399	2,580	-	344,726	-	-	-	26,558	26,558	339,402	(5,312)	334,090
00911	Cambridge-Isanti - ISD #911	31,288,747	627,466	2,495,355	23,551	-	3,146,372	-	-	-	1,375,726	1,375,726	3,097,775	(275,145)	2,822,630
00912	Milaca - ISD #912	12,751,919	255,728	1,016,997	9,598	-	1,282,323	-	-	-	244,337	244,337	1,262,517	(48,868)	1,213,649
00914	Ulen - Hitterdal - ISD #914	2,179,500	43,708	173,820	1,640	10,623	229,791	-	-	-	-	-	215,784	2,125	217,909
00915	Southern Plains #915	3,457,647	69,340	275,756	2,603	-	347,699	-	-	-	21,247	21,247	342,328	(4,249)	338,079
00916	NE Metro Interm School Dist. #916	29,973,660	601,093	2,390,474	22,561	1,843,154	4,857,282	-	-	-	-	-	2,967,574	368,631	3,336,205
00917	Interm School District #917	19,512,062	391,296	1,556,135	14,687	817,999	2,780,117	-	-	-	-	-	1,931,812	163,600	2,095,412
00920	Metro ECSU #920	1,115,608	22,372	88,973	840	79,675	191,860	-	-	-	-	-	110,452	15,935	126,387
00921	Southeast Service Coop #921	1,677,106	33,633	133,753	1,262	239,026	407,674	-	-	-	-	-	166,044	47,805	213,849
00922	South Central Serv Coop #922	886,576	17,779	70,707	667	-	89,153	-	-	-	5,312	5,312	87,776	(1,062)	86,714
00923	Resource Training and Solutions #923	2,016,961	40,448	160,858	1,518	217,779	420,603	-	-	-	-	-	199,691	43,556	243,247
00924	North Central Service Coop #924	2,571,071	51,560	205,049	1,935	414,312	672,856	-	-	-	-	-	254,552	82,862	337,414
00925	Sourcewell Technology #925	709,261	14,224	56,565	534	-	71,323	-	-	-	-	-	70,221	-	70,221
00926	Lakes Country Serv Coop #926	3,302,496	66,228	263,382	2,486	244,337	576,433	-	-	-	-	-	326,967	48,868	375,835
00927	Northeast Service Coop #927	731,425	14,668	58,333	551	100,922	174,474	-	-	-	-	-	72,416	20,184	92,600
00928	Northwest MN Service Co-op #928	1,854,422	37,189	147,895	1,396	159,351	345,831	-	-	-	-	-	183,599	31,870	215,469
00935	Fergus Falls Spec Ed Coop #935	2,319,874	46,523	185,016	1,746	-	233,285	-	-	-	207,156	207,156	229,682	(41,431)	188,251
00938	Meeker & Wright Spec Ed Coop #938	5,326,845	106,825	424,829	4,009	164,662	700,325	-	-	-	-	-	527,390	32,933	560,323
00966	Wright Technical Ctr #966	1,935,691	38,818	154,376	1,457	31,870	226,521	-	-	-	-	-	191,645	6,374	198,019
00978	MN Valley Coop Ctr #978	1,847,034	37,041	147,306	1,390	-	185,737	-	-	-	42,493	42,493	182,868	(8,499)	174,369
00985	Pine to Prairie Coop Ctr #985	118,210	2,371	9,428	89	10,623	22,511	-	-	-	-	-	11,704	2,125	13,829
00991	SW/W Central Service Cooperative #991	17,753,686	356,033	1,415,900	13,363	1,752,856	3,538,152	-	-	-	-	-	1,757,722	350,571	2,108,293
00997	Area Special Educ Coop #997	2,046,513	41,041	163,214	1,540	-	205,795	-	-	-	143,416	143,416	202,617	(28,683)	173,934
00998	Bemidji Reg Interdist Council #998	4,669,301	93,638	372,388	3,515	-	469,541	-	-	-	260,272	260,272	462,289	(52,055)	410,234
02071	Lake Crystal-Wellcome Memorial ISD #2071	5,888,343	118,085	469,610	4,432	196,532	788,659	-	-	-	-	-	582,982	39,307	622,289
02125	Triton Schools - ISD #2125	6,656,709	133,494	530,889	5,010	-	669,393	-	-	-	233,714	233,714	659,054	(46,743)	612,311
02134	United South Central - ISD #2134	5,275,128	105,788	420,705	3,971	37,182	567,646	-	-	-	-	-	522,270	7,436	529,706
02135	Maple River - ISD #2135	5,962,224	119,567	475,502	4,488	-	599,557	-	-	-	138,104	138,104	590,296	(27,621)	562,675
02137	Kingsland - ISD #2137	3,450,259	69,192	275,167	2,597	-	346,956	-	-	-	-	-	341,596	(13,810)	327,786
02142	St Louis County Schools - ISD #2142	15,234,332	305,510	1,214,976	11,467	138,104	1,670,057	-	-	-	-	-	1,508,291	27,621	1,535,912
02143	Waterville-Elysian-Morristown ISD #2143	5,312,068	106,528	423,651	3,998	-	534,177	-	-	-	63,740	63,740	525,927	(12,748)	513,179

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

**Teachers Retirement Association
Schedule of Pension Amounts by Entity
Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	
														Proportion	Total Pension Expense
02144	Chisago Lakes Area - ISD #2144	22,053,580	442,264	1,758,828	16,600	-	2,217,692	-	-	-	382,442	382,442	2,183,438	(76,488)	2,106,950
02149	Minnewaska Area - ISD #2149	9,249,944	185,499	737,706	6,962	95,610	1,025,777	-	-	-	-	-	915,800	19,122	934,922
02154	Eveleth-Gilbert - ISD #2154	6,641,932	133,198	529,711	4,999	483,363	1,151,271	-	-	-	-	-	657,592	96,673	754,265
02155	Wadena-Deer Creek - ISD #2155	6,568,051	131,716	523,818	4,944	42,493	702,971	-	-	-	-	-	650,277	8,499	658,776
02159	Buffalo Lake-Hector - ISD #2159	3,782,725	75,859	301,682	2,847	148,727	529,115	-	-	-	-	-	374,513	29,746	404,259
02164	Dilworth-Glyndon-Felton - ISD #2164	10,749,735	215,576	857,318	8,091	-	1,080,985	-	-	-	116,857	116,857	1,064,289	(23,371)	1,040,918
02165	Hinckley-Finlayson - ISD #2165	6,649,321	133,346	530,300	5,005	-	668,651	-	-	-	79,675	79,675	658,323	(15,935)	642,388
02167	Lakeview - ISD #2167	4,262,953	85,489	339,981	3,209	-	428,679	-	-	-	148,727	148,727	422,058	(29,746)	392,312
02168	NRHEG - ISD #2168	5,481,995	109,936	437,203	4,126	-	551,265	-	-	-	228,402	228,402	542,751	(45,681)	497,070
02169	Murray County Central - ISD #2169	4,794,899	96,157	382,405	3,609	-	482,171	-	-	-	58,428	58,428	474,724	(11,686)	463,038
02170	Staples-Motley - ISD #2170	6,575,439	131,864	524,408	4,949	31,870	693,091	-	-	-	-	-	651,008	6,374	657,382
02171	Kittson Central - ISD #2171	2,083,454	41,782	166,161	1,568	69,052	278,563	-	-	-	-	-	206,275	13,810	220,085
02172	Kenyon-Wanamingo - ISD #2172	4,684,077	93,935	373,567	3,526	-	471,028	-	-	-	122,168	122,168	463,752	(24,434)	439,318
02174	Pine River-Backus - ISD #2174	6,464,617	129,642	515,569	4,866	53,117	703,194	-	-	-	-	-	640,036	10,623	650,659
02176	Warren-Alvarado-Oslo - ISD #2176	3,361,601	67,414	268,096	2,530	-	338,040	-	-	-	42,493	42,493	332,819	(8,499)	324,320
02180	MACCRAY - ISD #2180	5,230,799	104,899	417,169	3,937	138,104	664,109	-	-	-	-	-	517,881	27,621	545,502
02184	Luverne - ISD #2184	8,799,268	176,461	701,763	6,623	154,039	1,038,886	-	-	-	-	-	871,181	30,808	901,989
02190	Yellow Medicine East - ISD #2190	3,775,336	75,711	301,092	2,842	-	379,645	-	-	-	254,961	254,961	373,781	(50,992)	322,789
02198	Fillmore Central - ISD #2198	4,033,921	80,896	321,715	3,036	74,363	480,010	-	-	-	-	-	399,383	14,873	414,256
02215	Norman County East - ISD #2215	2,238,605	44,893	178,534	1,685	53,117	278,229	-	-	-	-	-	221,635	10,623	232,258
02310	Sibley East - ISD #2310	6,819,248	136,754	543,852	5,133	-	685,739	-	-	-	366,506	366,506	675,147	(73,301)	601,846
02311	Clearbrook-Gonvick - ISD #2311	2,873,984	57,635	229,207	2,163	53,117	342,122	-	-	-	-	-	284,542	10,623	295,165
02342	West Central Area - ISD #2342	5,548,489	111,270	442,506	4,176	90,298	648,250	-	-	-	-	-	549,334	18,060	567,394
02358	Tri-County - ISD #2358	1,477,627	29,632	117,844	1,112	-	148,588	-	-	-	21,247	21,247	146,294	(4,249)	142,045
02364	Belgrade-Brooten-Elrosa - ISD #2364	4,122,579	82,674	328,786	3,103	265,584	680,147	-	-	-	-	-	408,160	53,117	461,277
02365	Gibbon-Fairfax-Winthrop - ISD #2365	4,617,584	92,601	368,264	3,476	-	464,341	-	-	-	361,194	361,194	457,169	(72,239)	384,930
02396	Atwater-Cosmos-Grove City - ISD #2396	5,895,731	118,233	470,199	4,438	-	592,870	-	-	-	95,610	95,610	583,713	(19,122)	564,591
02397	Le Sueur-Henderson - ISD #2397	5,977,000	119,863	476,681	4,499	-	601,043	-	-	-	90,298	90,298	591,759	(18,060)	573,699
02448	Martin County West - ISD #2448	4,684,077	93,935	373,567	3,526	-	471,028	-	-	-	138,104	138,104	463,752	(27,621)	436,131
02527	Norman County West - ISD #2527	842,247	16,890	67,171	634	-	84,695	-	-	-	159,351	159,351	83,388	(31,870)	51,518
02534	BOLD - ISD #2534	3,878,770	77,785	309,342	2,920	-	390,047	-	-	-	361,194	361,194	384,022	(72,239)	311,783
02536	Granada-Huntley-E Chain - ISD #2536	1,758,376	35,263	140,235	1,324	138,104	314,926	-	-	-	-	-	174,090	27,621	201,711
02580	East Central - ISD #2580	4,905,721	98,380	391,243	3,693	127,481	620,797	-	-	-	-	-	485,696	25,496	511,192
02609	Win-E-Mac - ISD #2609	2,740,998	54,968	218,601	2,063	53,117	328,749	-	-	-	-	-	271,375	10,623	281,998
02683	Greenbush-Middle River - ISD #2683	2,127,783	42,671	169,696	1,602	-	213,969	-	-	-	127,481	127,481	210,663	(25,496)	185,167
02687	Howard Lake-Waverly-Winsted - ISD #2687	7,949,632	159,422	634,003	5,984	26,558	825,967	-	-	-	-	-	787,062	5,312	792,374
02689	Pipestone Area Schools - ISD #2689	7,063,056	141,643	563,296	5,316	-	710,255	-	-	-	106,233	106,233	699,285	(21,247)	678,038
02711	Mesabi East - ISD #2711	6,250,361	125,345	498,482	4,705	63,740	692,272	-	-	-	-	-	618,824	12,748	631,572
02752	Fairmont-Ceylon - ISD #2752	10,801,452	216,613	861,443	8,130	132,792	1,218,978	-	-	-	-	-	1,069,409	26,559	1,095,968
02753	Long Prairie-Grey Eagle - ISD #2753	6,198,644	124,308	494,357	4,666	239,026	862,357	-	-	-	862,357	862,357	613,703	47,805	661,508
02754	Cedar Mountain - ISD #2754	2,888,760	57,931	230,386	2,174	-	290,491	-	-	-	15,935	15,935	286,005	(3,187)	282,818
02769	Morris Area Schools - ISD #2769	6,900,517	138,383	550,333	5,194	5,312	699,222	-	-	-	-	-	683,193	1,062	684,255
02805	Zumbrota-Mazeppa - ISD #2805	7,631,942	153,051	608,666	5,745	63,740	831,202	-	-	-	-	-	755,609	12,748	768,357
02835	Janesville-Waldorf-Pemberton - ISD #2835	4,824,452	96,750	384,762	3,631	154,039	639,182	-	-	-	-	-	477,650	30,808	508,458
02853	Lac qui Parle Valley - ISD #2853	6,294,690	126,234	502,017	4,738	-	632,989	-	-	-	53,117	53,117	623,212	(10,623)	612,589
02854	Ada-Borup - ISD #2854	4,070,862	81,637	324,661	3,064	143,416	552,778	-	-	-	-	-	403,040	28,683	431,723
02856	Stephen-Argyle - ISD #2856	2,194,276	44,004	174,999	1,652	143,416	364,071	-	-	-	-	-	217,247	28,683	245,930
02859	Glencoe-Silver Lake - ISD #2859	9,951,816	199,574	793,682	7,491	-	1,000,747	-	-	-	207,156	207,156	985,290	(41,431)	943,859
02860	Blue Earth Area Public Schools #2860	7,358,581	147,569	586,865	5,539	-	739,973	-	-	-	244,337	244,337	728,544	(48,868)	679,676
02884	Red Rock Central - ISD #2884	2,888,760	57,931	230,386	2,174	74,363	364,854	-	-	-	-	-	286,005	14,873	300,878
02886	Glenville-Emmons - ISD #2886	1,625,389	32,596	129,629	1,223	-	163,448	-	-	-	42,493	42,493	160,923	(8,499)	152,424
02888	Clinton-Graceville-Beardsley - ISD #2888	2,046,513	41,041	163,214	1,540	15,935	221,730	-	-	-	-	-	202,617	3,187	205,804
02889	Lake Park-Audubon District - ISD #2889	4,033,921	80,896	321,715	3,036	-	405,647	-	-	-	26,558	26,558	399,383	(5,312)	394,071
02890	Renville County West - ISD #2890	4,100,414	82,230	327,018	3,086	26,558	438,892	-	-	-	-	-	405,966	5,312	411,278
02895	Jackson County Central Schools ISD #2895	8,459,413	169,645	674,659	6,367	-	850,671	-	-	-	175,286	175,286	837,533	(35,057)	802,476
02897	Redwood Area Schools - ISD #2897	7,691,047	154,237	613,380	5,789	127,481	900,887	-	-	-	-	-	761,460	25,496	786,956
02898	Westbrook-Walnut Grove Public School #2898	3,125,181	62,673	249,241	2,352	5,312	319,578	-	-	-	-	-	309,412	1,062	310,474
02899	Plainview-Elgin-Millville ISD #2899	9,198,227	184,462	733,581	6,923	47,805	972,771	-	-	-	-	-	910,680	9,561	920,241
02902	RTR Public School #2902	3,176,898	63,710	253,365	2,391	31,870	351,336	-	-	-	-	-	314,532	6,374	320,906
02903	Ortonville Public School #2903	3,819,665	76,600	304,628	2,875	-	384,103	-	-	-	21,247	21,247	378,170	(4,249)	373,921
02904	Tracy Area School District #2904	4,743,182	95,120	378,281	3,570	-	476,971	-	-	-	5,312	5,312	469,604	(1,062)	468,542
02905	Tri-City United ISD #2905	12,552,440	251,727	1,001,088	9,448	-	1,262,263	-	-	-	95,610	95,610	1,242,768	(19,122)	1,223,646
02906	Red Lake County Central - ISD #2906	2,829,655	56,746	225,672	2,130	-	284,548	-	-	-	26,558	26,558	280,153	(5,312)	274,841
02907	Round Lake/Brewster - ISD #2907	1,891,362	37,929	150,841	1,424	143,416	333,610	-	-	-	-	-	187,256	28,683	215,939
02908	Brandon/Evansville - ISD #2908	2,947,865	59,117	235,100	2,219	47,805	344,241	-	-	-	-	-	291,857	9,561	301,418
03333	Pine Point - ISD #3333	960,457	19,261	76,599	723	53,117	149,700	-	-	-	-	-	95,091	10,623	105,714
04000	City Academy	672,320	13,483	53,619	506	-	67,608	-	-	-	122,168	122,168	66,564	(24,434)	42,130
04001	Bluffview Montessori	1,093,444	21,928	87,205	823	-	109,956	-	-	-	15,935	15,935	108,258	(3,187)	105,071
04003	New Heights School	923,517	18,520	73,653	695	-	92,868	-	-	-	-	-	91,434	-	91,434
04004	Cedar-Riverside Community School	1,137,773	22,817	90,740	856	-	114,413	-	-	-	148,727	148,727	112,646	(29,746)	82,900
04005	Metro Deaf School	3,708,843	74,377	295,789	2,792	10,623	383,581	-	-	-	-	-	367,198	2,125	369,323
04007	New Country Charter School	1,418,522	28,447	113,131	1,068	47,805	190,451	-	-	-	-	-	140,442	9,561	150,003

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

**Teachers Retirement Association
Schedule of Pension Amounts by Entity
Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense
04008	PACT Charter School	2,940,477	58,968	234,510	2,213	53,117	348,808	-	-	-	-	291,125	10,623	301,748	
04011	Athlos Leadership Academy	5,134,753	102,973	409,509	3,865	15,935	532,282	-	-	-	-	508,372	3,187	511,559	
04015	Community of Peace	5,289,904	106,084	421,883	3,982	-	531,949	-	-	-	260,272	523,733	(52,055)	471,678	
04016	World Learner School	1,026,951	20,595	81,902	773	-	103,270	-	-	-	10,623	101,674	(2,125)	99,549	
04017	MN Transitions Charter School	9,419,871	188,907	751,258	7,090	122,168	1,069,423	-	-	-	-	932,624	24,434	957,058	
04018	Achieve Language Academy	3,095,628	62,080	246,884	2,330	286,831	598,125	-	-	-	-	306,486	57,366	363,852	
04020	Duluth Edison Charter School	9,575,022	192,018	763,632	7,207	-	962,857	-	-	-	201,844	947,985	(40,369)	907,616	
04025	Cyber Village Academy	2,105,618	42,226	167,928	1,585	90,298	302,037	-	-	-	-	208,469	18,060	226,529	
04026	ECHO Charter School	472,841	9,482	37,710	356	-	47,548	-	-	-	47,805	46,814	(9,561)	37,253	
04027	Higher Ground	4,314,670	86,527	344,106	3,248	679,896	1,113,777	-	-	-	-	427,178	135,979	563,157	
04029	St Paul City School	3,398,542	68,155	271,042	2,558	493,987	835,742	-	-	-	-	336,476	98,797	435,273	
04031	Jennings Experiential High School	568,886	11,408	45,370	428	31,870	89,076	-	-	-	-	56,323	6,374	62,697	
04035	Life Prep Academy	2,083,454	41,782	166,161	1,568	-	209,511	-	-	-	21,247	206,275	(4,249)	202,026	
04036	Face to Face Academy	893,964	17,928	71,296	673	63,740	153,637	-	-	-	-	88,508	12,748	101,256	
04038	Sojourner Truth Academy	2,696,669	54,079	215,066	2,030	-	271,175	-	-	-	84,987	266,987	(16,997)	249,990	
04039	High School for Recording Arts	1,292,923	25,928	103,114	973	-	130,015	-	-	-	58,428	128,007	(11,686)	116,321	
04043	Math & Science Academy	2,578,459	51,709	205,638	1,941	95,610	354,898	-	-	-	-	255,283	19,122	274,405	
04049	Northwest Passage High School	1,041,727	20,891	83,080	784	53,117	157,872	-	-	-	-	103,137	10,623	113,760	
04050	Lafayette Charter School	376,795	7,556	30,050	284	-	37,890	-	-	-	42,493	37,305	(8,499)	28,806	
04053	North Lakes Academy	3,428,094	68,747	273,399	2,580	584,285	929,011	-	-	-	-	339,402	116,857	456,259	
04054	LaCrescent Montessori Academy	472,841	9,482	37,710	356	21,247	68,795	-	-	-	-	46,814	4,249	51,063	
04055	Nerstrand Elementary School	753,590	15,113	60,101	567	-	75,781	-	-	-	-	74,610	-	74,610	
04056	Rosa Parks Charter High School Total	413,736	8,297	32,996	311	5,312	46,916	-	-	-	-	40,962	1,062	42,024	
04057	El Colegio Charter School	901,352	18,076	71,885	678	10,623	101,262	-	-	-	-	89,239	2,125	91,364	
04058	Schoolcraft Learning Community	1,012,174	20,298	80,723	762	-	101,783	-	-	-	21,247	100,211	(4,249)	95,962	
04059	Crosslake Community School	2,068,678	41,485	164,982	1,557	265,584	473,608	-	-	-	-	204,812	53,117	257,929	
04064	Riverway Learning Community	753,590	15,113	60,101	567	-	75,781	-	-	-	-	74,610	-	74,610	
04066	Kato Public Charter School	635,380	12,742	50,673	478	79,675	143,568	-	-	-	-	62,906	15,935	78,841	
04067	Aurora Charter School	2,718,833	54,524	216,834	2,046	-	273,404	-	-	-	95,610	269,181	(19,122)	250,059	
04068	Excell Academy for Higher Learning	3,043,911	61,043	242,759	2,291	191,221	497,314	-	-	-	-	301,366	38,244	339,610	
04070	HOPE Community Academy	3,236,003	64,895	258,079	2,436	228,402	553,812	-	-	-	-	320,384	45,681	366,065	
04073	Academia Cesar Chavez	3,442,870	69,043	274,577	2,591	-	346,211	-	-	-	5,312	340,865	(1,062)	339,803	
04074	AFSA High School	2,970,030	59,561	236,867	2,236	350,571	649,235	-	-	-	-	294,051	70,114	364,165	
04075	Avalon School	2,415,920	48,449	192,676	1,818	164,662	407,605	-	-	-	-	239,191	32,933	272,124	
04078	MN International Middle School	5,555,877	111,418	443,095	4,182	-	558,695	-	-	-	339,947	550,065	(67,990)	482,075	
04079	Friendship Academy of Fine Arts	886,576	17,779	70,707	667	47,805	136,958	-	-	-	-	87,776	9,561	97,337	
04080	Pillager Area Charter School	273,361	5,482	21,801	206	-	27,489	-	-	-	-	27,064	-	27,064	
04081	Discovery Public School of Faribault	428,512	8,593	34,175	323	15,935	59,026	-	-	-	-	42,425	3,187	45,612	
04082	BlueSky Charter School	4,358,999	87,416	347,641	3,281	191,221	629,559	-	-	-	-	431,567	38,244	469,811	
04083	Ridgeway Community School	554,110	11,112	44,192	417	5,312	61,033	-	-	-	-	54,860	1,062	55,922	
04084	North Shore Community School	2,009,572	40,300	160,268	1,513	5,312	207,393	-	-	-	-	198,960	1,062	200,022	
04085	Harbor City International	1,433,298	28,743	114,309	1,079	-	144,131	-	-	-	10,623	141,905	(2,125)	139,780	
04087	SAGE Academy	598,439	12,001	47,727	450	74,363	134,541	-	-	-	-	59,249	14,873	74,122	
04088	Urban Academy	1,802,705	36,152	143,770	1,357	47,805	229,084	-	-	-	-	178,479	9,561	188,040	
04089	New City School Charter School	1,750,988	35,114	139,646	1,318	116,857	292,935	-	-	-	-	173,358	23,371	196,729	
04090	Prairie Creek Community School	1,182,101	23,706	94,276	890	15,935	134,807	-	-	-	-	117,035	3,187	120,222	
04091	Arcadia Charter School	997,398	20,002	79,545	751	74,363	174,661	-	-	-	-	98,748	14,873	113,621	
04092	Watershed High School	487,617	9,779	38,889	367	-	49,035	-	-	-	10,623	48,277	(2,125)	46,152	
04093	New Century Charter School	790,530	15,853	63,047	595	-	79,495	-	-	-	31,870	78,267	(6,374)	71,893	
04095	Trio Wolf Creek Distance Learning	1,108,220	22,224	88,383	834	-	111,441	-	-	-	5,312	109,721	(1,062)	108,659	
04097	Partnership Academy, Inc.	3,575,857	71,710	285,183	2,692	563,038	922,623	-	-	-	-	354,031	112,608	466,639	
04098	Nova Classical Academy	5,238,187	105,047	417,758	3,943	-	526,748	-	-	-	493,987	518,612	(98,797)	419,815	
04100	Great Expectations School	642,768	12,890	51,262	484	5,312	69,948	-	-	-	-	63,638	1,062	64,700	
04102	Mn Internship Center	2,260,769	45,338	180,302	1,702	-	227,342	-	-	-	10,623	223,830	(2,125)	221,705	
04103	Hmong Academy	11,990,941	240,467	956,307	9,026	754,259	1,960,059	-	-	-	-	1,187,176	150,852	1,338,028	
04104	Paladin Academy (Liberty High School)	1,012,174	20,298	80,723	762	100,922	202,705	-	-	-	-	100,211	20,184	120,395	
04105	Great River School	4,292,506	86,082	342,338	3,231	387,753	819,404	-	-	-	-	424,984	77,551	502,535	
04106	Trek North High School	1,750,988	35,114	139,646	1,318	-	176,078	-	-	-	-	173,358	-	173,358	
04107	Voyageurs Expeditionary School	901,352	18,076	71,885	678	-	90,639	-	-	-	-	89,239	-	89,239	
04110	Performing Institute of Minnesota Arts High School	2,164,723	43,411	172,642	1,629	26,558	244,240	-	-	-	-	214,321	5,312	219,633	
04111	Augsburg Academy for Health Careers	517,169	10,371	41,246	389	-	52,006	-	-	-	58,428	51,203	(11,686)	39,517	
04112	St Paul Conservatory for Performing Arts	2,534,130	50,820	202,103	1,907	63,740	318,570	-	-	-	-	250,894	12,748	263,642	
04113	Spero Academy	2,622,788	52,598	209,174	1,974	217,779	481,525	-	-	-	-	259,672	43,556	303,228	
04116	Lakes International Language Academy	6,693,649	134,235	533,835	5,038	759,571	1,432,679	-	-	-	-	662,712	151,914	814,626	
04118	Kaleidoscope Charter School	3,694,067	74,081	294,611	2,781	-	371,473	-	-	-	106,233	365,735	(21,247)	344,488	
04119	Academic Arts High School	827,471	16,594	65,993	623	69,052	152,262	-	-	-	-	81,925	13,810	95,735	
04120	St Croix Preparatory School	6,464,617	129,642	515,569	4,866	430,247	1,080,324	-	-	-	-	640,036	86,049	726,085	
04121	UBAH Medical Academy	1,714,047	34,374	136,700	1,290	-	172,364	-	-	-	5,312	169,701	(1,062)	168,639	
04122	Eagle Ridge Academy	7,447,239	149,347	593,936	5,605	217,779	966,667	-	-	-	-	737,322	43,556	780,878	
04124	Beacon Academy	3,383,765	67,858	269,864	2,547	350,571	690,840	-	-	-	-	335,013	70,114	405,127	
04126	Prairie Seeds Academy	3,886,158	77,933	309,931	2,925	217,779	608,568	-	-	-	-	384,753	43,556	428,309	
04127	TEAM Academy	945,681	18,965	75,420	712	15,935	111,032	-	-	-	-	93,628	3,187	96,815	

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**Teachers Retirement Association
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Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense
04131	Metro School Charter Total	2,600,623	52,153	207,406	1,957	127,481	388,997	-	-	-	-	257,477	25,496	282,973	
04132	Twin Cities Academy High School	3,605,409	72,303	287,540	2,714	37,182	399,739	-	-	-	-	356,957	7,436	364,393	
04135	Rochester Math and Science Academy	2,201,664	44,152	175,588	1,657	106,233	327,630	-	-	-	-	217,978	21,247	239,225	
04137	Swan River Montessori	953,069	19,113	76,010	717	5,312	101,152	-	-	-	-	94,360	1,062	95,422	
04139	LoveWorks Academy	879,188	17,631	70,117	662	-	88,410	-	-	-	15,935	87,045	(3,187)	83,858	
04140	Yinghua Academy	4,469,821	89,638	356,479	3,364	132,792	582,273	-	-	-	-	442,539	26,559	469,098	
04142	Stride Academy	2,482,413	49,782	197,979	1,868	377,129	626,758	-	-	-	-	245,774	75,426	321,200	
04143	New Millennium Academy	3,472,423	69,636	276,934	2,614	329,324	678,508	-	-	-	-	343,791	65,865	409,656	
04144	Green Isle Community School	317,690	6,371	25,337	239	31,870	63,817	-	-	-	-	31,453	6,374	37,827	
04145	Birch Grove Charter School	310,302	6,223	24,747	234	10,623	41,827	-	-	-	-	30,722	2,125	32,847	
04146	Northern Lights Community School	879,188	17,631	70,117	662	-	88,410	-	-	-	10,623	87,045	(2,125)	84,920	
04150	Minnesota Online High School	1,662,330	33,336	132,575	1,251	228,402	395,564	-	-	-	-	164,581	45,681	210,262	
04151	EdVisions Off-Campus Charter School	886,576	17,779	70,707	667	69,052	158,205	-	-	-	-	87,776	13,810	101,586	
04152	Twin Cities German Immersion School	3,176,898	63,710	253,365	2,391	-	319,466	-	-	-	100,922	314,532	(20,184)	294,348	
04153	Dugsi Academy	1,514,567	30,373	120,791	1,140	-	152,304	-	-	-	462,117	149,951	(92,423)	57,528	
04155	Naytahwaush Community School	1,219,042	24,447	97,222	918	95,610	218,197	-	-	-	-	120,693	19,122	139,815	
04159	Seven Hills Classical	6,198,644	124,308	494,357	4,666	308,077	931,408	-	-	-	-	613,703	61,616	675,319	
04160	Spectrum HS	3,952,652	79,267	315,234	2,975	42,493	439,969	-	-	-	-	391,336	8,499	399,835	
04161	New Discoveries Montessori Academy	1,706,659	34,225	136,110	1,285	180,597	352,217	-	-	-	-	168,970	36,120	205,090	
04162	Southside Family Charter School	627,991	12,594	50,084	473	-	63,151	-	-	-	53,117	62,175	(10,623)	51,552	
04164	Laura Jeffrey Academy	893,964	17,928	71,296	673	-	89,897	-	-	-	95,610	88,508	(19,122)	69,386	
04166	East Range Academy of Tech and Science	953,069	19,113	76,010	717	-	95,840	-	-	-	37,182	94,360	(7,436)	86,924	
04167	International Spanish Language Academy	1,847,034	37,041	147,306	1,390	90,298	276,035	-	-	-	-	182,868	18,060	200,928	
04168	Glacial Hills Elementary School	938,293	18,817	74,831	706	10,623	104,977	-	-	-	-	92,897	2,125	95,022	
04169	Stonebridge Community School	1,824,869	36,596	145,538	1,374	37,182	220,690	-	-	-	-	180,673	7,436	188,109	
04170	Hiawatha Academies	12,463,782	249,949	994,018	9,381	812,687	2,066,035	-	-	-	-	1,233,990	162,538	1,396,528	
04171	Noble Academy	4,056,086	81,341	323,483	3,053	-	407,877	-	-	-	95,610	401,577	(19,122)	382,455	
04172	Clarkfield Area Charter School	280,749	5,630	22,390	211	-	28,231	-	-	-	21,247	27,796	(4,249)	23,547	
04177	Minisinaakwaang Leadership Academy	384,183	7,704	30,640	289	-	38,633	-	-	-	5,312	38,036	(1,062)	36,974	
04178	Lincoln International Charter School	886,576	17,779	70,707	667	-	89,153	-	-	-	42,493	87,776	(8,499)	79,277	
04181	Community School of Excellence	5,866,178	117,641	467,842	4,415	345,259	935,157	-	-	-	-	580,787	69,052	649,839	
04183	Lionsgate Academy	6,974,398	139,865	556,226	5,250	525,857	1,227,198	-	-	-	-	690,508	105,171	795,679	
04184	Aspen Academy	2,822,267	56,598	225,083	2,124	-	283,805	-	-	-	10,623	279,422	(2,125)	277,297	
04185	DaVinci Academy of Art and Science	4,285,118	85,934	341,749	3,225	239,026	669,934	-	-	-	-	424,253	47,805	472,058	
04186	Global Academy, Inc.	2,888,760	57,931	230,386	2,174	53,117	343,608	-	-	-	-	286,005	10,623	296,628	
04187	Natural Science Academy	546,722	10,964	43,602	412	47,805	102,783	-	-	-	-	54,129	9,561	63,690	
04188	Cologne Academy	4,070,862	81,637	324,661	3,064	132,792	542,154	-	-	-	-	403,040	26,559	429,599	
04189	Bright Water Elementary Charter School	627,991	12,594	50,084	473	-	63,151	-	-	-	100,922	62,175	(20,184)	41,991	
04190	River's Edge Academy	73,881	1,482	5,892	56	-	7,430	-	-	-	393,065	7,315	(78,613)	(71,298)	
04191	KIPP Minnesota	3,960,040	79,415	315,823	2,981	642,714	1,040,933	-	-	-	-	392,068	128,543	520,611	
04192	Best Academy	4,898,333	98,231	390,654	3,687	217,779	710,351	-	-	-	-	484,965	43,556	528,521	
04193	College Prep Elementary	1,980,020	39,707	157,911	1,490	53,117	252,225	-	-	-	-	196,034	10,623	206,657	
04194	Cannon River STEM School	2,127,783	42,671	169,696	1,602	-	213,969	-	-	-	21,247	210,663	(4,249)	206,414	
04195	Oshki Ogimaag Charter School	280,749	5,630	22,390	211	-	28,231	-	-	-	58,428	27,796	(11,686)	16,110	
04198	Discovery Woods Montessori	568,886	11,408	45,370	428	-	57,206	-	-	-	21,247	56,323	(4,249)	52,074	
04199	Parnassus Preparatory School	5,844,014	117,196	466,075	4,399	185,909	773,579	-	-	-	-	578,593	37,182	615,775	
04200	Step Academy	3,258,167	65,339	259,847	2,452	578,973	906,611	-	-	-	-	322,578	115,795	438,373	
04201	Cornerstone Montessori Elementary School	568,886	11,408	45,370	428	37,182	94,388	-	-	-	-	56,323	7,436	63,759	
04204	Rochester STEM Academy	687,096	13,779	54,798	517	5,312	74,406	-	-	-	-	68,027	1,062	69,089	
04205	Hennepin Elementary School	3,206,450	64,302	255,722	2,413	127,481	449,918	-	-	-	-	317,458	25,496	342,954	
04207	Vermilion Country School	265,973	5,334	21,212	200	-	26,746	-	-	-	15,935	26,333	(3,187)	23,146	
04208	Nasha Shkola Charter School	679,708	13,631	54,208	512	37,182	105,533	-	-	-	-	67,295	7,436	74,731	
04209	Mastery School	1,839,645	36,892	146,716	1,385	276,207	461,200	-	-	-	-	182,136	55,242	237,378	
04210	Upper Mississippi Academy	2,393,755	48,004	190,908	1,802	185,909	426,623	-	-	-	-	236,996	37,182	274,178	
04212	West Side Summit Charter School	29,553	593	2,357	22	-	2,972	-	-	-	908,298	2,926	(181,660)	(178,734)	
04213	Prodeo Academy	4,477,209	89,786	357,069	3,370	674,584	1,124,809	-	-	-	-	443,271	134,917	578,188	
04215	Sejong Academy	1,477,627	29,632	117,844	1,112	138,104	286,692	-	-	-	-	146,294	27,621	173,915	
04217	Technical Academies of Minnesota	805,307	16,150	64,225	606	15,935	96,916	-	-	-	-	79,730	3,187	82,917	
04218	Venture Academy	3,088,240	61,932	246,295	2,324	270,896	581,447	-	-	-	-	305,754	54,179	359,933	
04219	Northeast College Prep Charter School	2,504,577	50,227	199,746	1,885	207,156	459,014	-	-	-	-	247,968	41,431	289,399	
04220	Agamim Hebrew Language School	1,581,061	31,707	126,094	1,190	154,039	313,030	-	-	-	-	156,535	30,808	187,343	
04221	Discovery Charter School	1,248,595	25,039	99,579	940	74,363	199,921	-	-	-	-	123,618	14,873	138,491	
04223	Saint Cloud Math and Science Academy	1,477,627	29,632	117,844	1,112	90,298	238,886	-	-	-	-	146,294	18,060	164,354	
04224	Star of the North Academy	871,800	17,483	69,528	656	-	87,667	-	-	-	-	86,313	-	86,313	
04225	Universal Academy Charter School	1,750,988	35,114	139,646	1,318	212,467	388,545	-	-	-	-	173,358	42,494	215,852	
04226	Bdote Learning Center	1,189,490	23,854	94,865	895	154,039	273,653	-	-	-	-	117,767	30,808	148,575	
04227	Art and Science Academy	2,186,888	43,856	174,410	1,646	-	219,912	-	-	-	84,987	216,515	(16,997)	199,518	
04228	Woodbury Leadership Academy	1,913,527	38,374	152,608	1,440	297,454	489,876	-	-	-	-	189,451	59,491	248,942	
04229	Jane Goodall Environmental Sciences Acad	672,320	13,483	53,619	506	15,935	83,543	-	-	-	-	66,564	3,187	69,751	
04230	Minnesota Excellence in Learning Academy	1,159,937	23,261	92,508	873	37,182	153,824	-	-	-	-	114,841	7,436	122,277	
04231	Minnesota Math and Science Academy	2,814,879	56,450	224,494	2,119	47,805	330,868	-	-	-	-	278,690	9,561	288,251	
04232	Success Academy School	568,886	11,408	45,370	428	10,623	67,829	-	-	-	-	56,323	2,125	58,448	

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

**Teachers Retirement Association
Schedule of Pension Amounts by Entity
Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense
04233	Level Up Academy Charter School	997,398	20,002	79,545	751	79,675	179,973	-	-	-	-	-	98,748	15,935	114,683
04237	Career Pathways	716,649	14,372	57,155	539	58,428	130,494	-	-	-	-	-	70,953	11,686	82,639
04238	Rochester Beacon Academy	1,152,549	23,113	91,919	868	-	115,900	-	-	-	313,389	313,389	114,109	(62,678)	51,431
04239	TESFA International School	1,219,042	24,447	97,222	918	31,870	154,457	-	-	-	-	-	120,693	6,374	127,067
04240	New Century Academy	1,603,225	32,151	127,861	1,207	292,142	453,361	-	-	-	-	-	158,729	58,429	217,158
04243	North Metro Flex Academy	1,359,417	27,262	108,417	1,023	116,857	253,559	-	-	-	-	-	134,590	23,371	157,961
04244	FIT Academy	1,906,139	38,226	152,019	1,435	180,597	372,277	-	-	-	-	-	188,719	36,120	224,839
04250	Athlos Academy of St Cloud	3,095,628	62,080	246,884	2,330	201,844	513,138	-	-	-	-	-	306,486	40,369	346,855
04253	Phoenix Academy	435,900	8,742	34,764	328	69,052	112,886	-	-	-	-	-	43,157	13,810	56,967
04254	Marine Area Charter School	1,122,996	22,521	89,562	845	159,351	272,279	-	-	-	-	-	111,183	31,870	143,053
04255	Skyline Math & Science Academy	1,100,832	22,076	87,794	829	10,623	121,322	-	-	-	-	-	108,989	2,125	111,114
04258	The Journey School	339,854	6,815	27,104	256	244,337	278,512	-	-	-	-	-	33,648	48,868	82,516
04261	SciTech Academy	1,100,832	22,076	87,794	829	339,947	450,646	-	-	-	-	-	108,989	67,990	176,979
04263	Progeny Academy	302,913	6,075	24,158	228	196,532	226,993	-	-	-	-	-	29,990	39,307	69,297
04264	Gateway STEM Academy Charter School	1,049,115	21,039	83,670	790	212,467	317,966	-	-	-	-	-	103,869	42,494	146,363
04265	Minnesota Wildflower Montessori School	487,617	9,779	38,889	367	138,104	187,139	-	-	-	-	-	48,277	27,621	75,898
04267	Horizon Science Academy Twin Cities	391,571	7,853	31,229	295	276,207	315,584	-	-	-	-	-	38,768	55,242	94,010
04268	Great Oaks Academy	88,658	1,778	7,071	67	53,117	62,033	-	-	-	-	-	8,778	10,623	19,401
04271	Aurora Waasakone Community of Learners	450,676	9,038	35,943	339	260,272	305,592	-	-	-	-	-	44,620	52,055	96,675
04272	Odaa Academy Science & Technology	51,717	1,037	4,125	39	21,247	26,448	-	-	-	-	-	5,120	4,249	9,369
04273	Modern Montessori Charter School	421,124	8,445	33,586	317	302,766	345,114	-	-	-	-	-	41,694	60,553	102,247
04274	East-West International Education Academy	44,329	889	3,535	33	31,870	36,327	-	-	-	-	-	4,389	6,374	10,763
04275	St. Paul Northern Lights Charter School	487,617	9,779	38,889	367	350,571	399,606	-	-	-	-	-	48,277	70,114	118,391
04276	Notre Ecole Academy Charter School	14,776	296	1,178	11	10,623	12,108	-	-	-	-	-	1,463	2,125	3,588
04277	Metro Tech Academy Charter School	81,269	1,630	6,481	61	58,428	66,600	-	-	-	-	-	8,046	11,686	19,732
05001	MN Family Career & Comm Leaders of America	110,822	2,222	8,838	83	5,312	16,455	-	-	-	-	-	10,972	1,062	12,034
05002	MN Business Professionals of America	36,941	741	2,946	28	-	3,715	-	-	-	-	-	3,657	-	3,657
05004	MN Delta Epsilon / DECA	36,941	741	2,946	28	-	3,715	-	-	-	-	-	3,657	-	3,657
06004	Freshwater Education Dist. #6004	5,962,224	119,567	475,502	4,488	84,987	684,544	-	-	-	-	-	590,296	16,997	607,293
06009	St. Croix River Education District	4,418,104	88,601	352,355	3,325	5,312	449,593	-	-	-	-	-	437,419	1,062	438,481
06012	Zumbro Education District #6012	4,358,999	87,416	347,641	3,281	-	438,338	-	-	-	111,545	111,545	431,567	(22,309)	409,258
06013	Hiawatha Valley Ed Dist. #6013	4,499,374	90,231	358,836	3,387	-	452,454	-	-	-	223,091	223,091	445,465	(44,618)	400,847
06014	Runestone Area Education Dist. #6014	2,231,216	44,745	177,945	1,679	-	224,369	-	-	-	122,168	122,168	220,904	(24,434)	196,470
06017	MN Transitions - Connections Academy	6,900,517	138,383	550,333	5,194	531,168	1,225,078	-	-	-	-	-	683,193	106,234	789,427
06026	W Central Education Dist. #6026	2,467,637	49,486	196,800	1,857	228,402	476,545	-	-	-	-	-	244,311	45,681	289,992
06027	MN Valley Educ Dist. #6027	3,110,404	62,376	248,062	2,341	47,805	360,584	-	-	-	-	-	307,949	9,561	317,510
06049	Riverbend Educational Dist. #6049	4,137,355	82,971	329,964	3,114	74,363	490,412	-	-	-	-	-	409,623	14,873	424,496
06051	Goodhue County Ed Dist. #6051	6,235,585	125,049	497,303	4,693	233,714	860,759	-	-	-	-	-	617,361	46,743	664,104
06067	East Metro Integration District	524,558	10,520	41,835	395	10,623	63,373	-	-	-	-	-	51,934	2,125	54,059
06070	Itasca Area Schools Collaborative	1,950,467	39,115	155,555	1,468	254,961	451,099	-	-	-	-	-	193,108	50,992	244,100
06076	Northland Learning Center - ISD #6076	4,255,565	85,341	339,392	3,203	138,104	566,040	-	-	-	-	-	421,327	27,621	448,948
06078	Northwest Suburban ISD #6078	147,763	2,963	11,784	111	-	14,858	-	-	-	-	-	14,629	-	14,629
06079	Rum River Special Education Coop	4,440,269	89,045	354,122	3,342	435,558	882,067	-	-	-	-	-	439,613	87,112	526,725
06080	Minnesota's Digital Academy	384,183	7,704	30,640	289	31,870	70,503	-	-	-	-	-	38,036	6,374	44,410
06083	Southern Minnesota Education Consortium	2,342,038	46,967	186,783	1,763	504,610	740,123	-	-	-	-	-	231,876	100,922	332,798
06094	Cannon Valley Special Education Coop	2,881,372	57,783	229,797	2,169	106,233	395,982	-	-	-	-	-	285,273	21,247	306,520
06383	Benton-Stearns Educ Dist. #6383	4,824,452	96,750	384,762	3,631	185,909	671,052	-	-	-	-	-	477,650	37,182	514,832
06979	Midstate Educational Dist. #6979	2,253,381	45,189	179,713	1,696	-	226,598	-	-	-	148,727	148,727	223,098	(29,746)	193,352
08800037	Dept of Education	13,808,422	276,915	1,101,256	10,394	743,636	2,132,201	-	-	-	-	-	1,367,117	148,727	1,515,844
08825000	Perpich Center for Arts Education	1,699,271	34,077	135,521	1,279	111,545	282,422	-	-	-	-	-	168,238	22,309	190,547
08837001	Minnesota State Academies	4,661,913	93,490	371,799	3,509	-	468,798	-	-	-	164,662	164,662	461,558	(32,933)	428,625
09700004	Education Minnesota	302,913	6,075	24,158	228	-	30,461	-	-	-	53,117	53,117	29,990	(10,623)	19,367
10100011	System Office 101-11	4,255,565	85,341	339,392	3,203	164,662	592,598	-	-	-	-	-	421,327	32,933	454,260
10100012	Bemidji State Univ 101-12	7,240,371	145,199	577,438	5,450	-	728,087	-	-	-	185,909	185,909	716,841	(37,182)	679,659
10100013	Minnesota State Univ, Mankato 101-13	11,983,553	240,319	955,718	9,020	-	1,205,057	-	-	-	876,427	876,427	1,186,444	(175,286)	1,011,158
10100014	Minnesota St. University Moorhead 101-14	7,085,221	142,087	565,064	5,333	47,805	760,289	-	-	-	-	-	701,480	9,561	711,041
10100015	St Cloud State Univ 101-15	13,239,536	265,506	1,055,886	9,965	26,558	1,357,915	-	-	-	-	-	1,310,794	5,312	1,316,106
10100016	Southwest Minnesota State Univ 101-16	4,787,511	96,009	381,816	3,604	419,623	901,052	-	-	-	-	-	473,993	83,925	557,918
10100017	Winona State Univ 101-17	14,584,177	292,472	1,163,124	10,977	-	1,466,573	-	-	-	21,247	21,247	1,443,922	(4,249)	1,439,673
10100018	Metropolitan State Univ 101-18	10,712,794	214,835	854,372	8,063	371,817	1,449,087	-	-	-	-	-	1,060,632	74,364	1,134,996
10100020	Alexandria Tech College 101-20	5,201,246	104,306	414,812	3,915	-	523,033	-	-	-	382,442	382,442	514,955	(76,488)	438,467
10100021	Anoka Technical College 101-21	3,213,838	64,450	256,312	2,419	69,052	392,233	-	-	-	-	-	318,189	13,810	331,999
10100022	Central Lakes College 101-22	6,154,316	123,419	490,822	4,632	-	618,873	-	-	-	69,052	69,052	609,315	(13,810)	595,505
10100023	Dakota County Tech College 101-23	4,129,967	82,823	329,375	3,109	-	415,307	-	-	-	207,156	207,156	408,892	(41,431)	367,461
10100024	Lake Superior College 101-24	5,179,082	103,862	413,045	3,898	-	520,805	-	-	-	164,662	164,662	512,760	(32,933)	479,827
10100025	Hennepin Tech College 101-25	9,737,561	195,278	776,595	7,329	-	979,202	-	-	-	339,947	339,947	964,077	(67,990)	896,087
10100026	Ridgewater College 101-26	7,447,239	149,347	593,936	5,605	-	748,888	-	-	-	509,922	509,922	737,322	(101,984)	635,338
10100027	Minneapolis Comm & Tech College 101-27	8,134,336	163,126	648,733	6,123	-	817,982	-	-	-	701,142	701,142	805,348	(140,229)	665,119
10100028	Century Comm and Tech College 101-28	11,784,074	236,318	939,809	8,870	-	1,184,997	-	-	-	281,519	281,519	1,166,695	(56,304)	1,110,391
10100029	Northwest Tech College - Bemidji 101-29	1,182,101	23,706	94,276	890	-	118,872	-	-	-	154,039	154,039	117,035	(30,808)	86,227
10100030	Pine Tech College 101-30	2,098,230	42,078	167,339	1,579	-	210,996	-	-	-	122,168	122,168	207,737	(24,434)	183,303
10100031	Mesabi Range Comm & Tech College 101-31	3,627,574	72,748	289,308	2,730	116,857	481,643	-	-	-	-	-	359,152	23,371	382,523

**Teachers Retirement Association
Schedule of Pension Amounts by Entity
Current Reporting Period Only
As of and For the Year Ended June 30, 2020**

ID	Entity	Net Pension Liability	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense		
			Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Changes in Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense
10100032	Hibbing Comm College 101-32	3,368,989	67,562	268,685	2,536	74,363	413,146	-	-	-	-	-	333,550	14,873	348,423
10100033	Minnesota State College-SE Tech 101-33	3,479,811	69,784	277,524	2,619	-	349,927	-	-	-	164,662	164,662	344,522	(32,933)	311,589
10100034	Riverland Community College 101-34	5,068,260	101,639	404,206	3,815	-	509,660	-	-	-	122,168	122,168	501,788	(24,434)	477,354
10100035	South Central College 101-35	6,095,211	122,234	486,108	4,588	-	612,930	-	-	-	228,402	228,402	603,463	(45,681)	557,782
10100036	Minnesota West Comm &Tech College 101-36	6,331,631	126,975	504,963	4,766	169,974	806,678	-	-	-	-	-	626,870	33,995	660,865
10100037	St Cloud Tech College 101-37	7,306,865	146,532	582,741	5,500	-	734,773	-	-	-	228,402	228,402	723,424	(45,681)	677,743
10100038	St Paul College 101-38	7,927,468	158,978	632,235	5,967	122,168	919,348	-	-	-	-	-	784,867	24,434	809,301
10100039	Northeast Service Unit 101-39	265,973	5,334	21,212	200	-	26,746	-	-	-	37,182	37,182	26,333	(7,436)	18,897
10100040	Fond du Lac Tribal & Comm College 101-40	2,016,961	40,448	160,858	1,518	207,156	409,980	-	-	-	-	-	199,691	41,431	241,122
10100041	North Hennepin Comm College 101-41	7,528,509	150,977	600,417	5,667	-	757,061	-	-	-	254,961	254,961	745,368	(50,992)	694,376
10100042	Northland Community &Tech College 101-42	5,445,055	109,195	434,257	4,098	-	547,550	-	-	-	31,870	31,870	539,093	(6,374)	532,719
10100043	Normandale Community College 101-43	7,277,312	145,940	580,384	5,478	-	731,802	-	-	-	371,817	371,817	720,498	(74,364)	646,134
10100044	Inver Hills Community College 101-44	4,986,990	100,009	397,725	3,754	-	501,488	-	-	-	31,870	31,870	493,742	(6,374)	487,368
10100045	Itasca Community College 101-45	2,763,162	55,413	220,369	2,080	-	277,862	-	-	-	111,545	111,545	273,570	(22,309)	251,261
10100046	Rainy River Community College 101-46	524,558	10,520	41,835	395	-	52,750	-	-	-	37,182	37,182	51,934	(7,436)	44,498
10100048	Rochester Comm & Tech College 101-48	7,085,221	142,087	565,064	5,333	-	712,484	-	-	-	132,792	132,792	701,480	(26,559)	674,921
10100049	Anoka-Ramsey Comm College 101-49	8,666,281	173,794	691,157	6,523	-	871,474	-	-	-	185,909	185,909	858,014	(37,182)	820,832
10100050	Vermilion Comm College 101-50	1,403,745	28,151	111,952	1,057	143,416	284,576	-	-	-	-	-	138,979	28,683	167,662
10100051	MN State Comm and Tech College 101-51	7,417,687	148,755	591,579	5,583	-	745,917	-	-	-	764,882	764,882	734,396	(152,977)	581,419
	Schools Dropped During the Year	-	-	-	-	-	-	-	-	-	239,026	239,026	-	(47,805)	(47,805)
S0001	Minneapolis - Special School Dist. #1	492,005,394	9,866,704	39,238,650	370,339	-	49,475,693	-	-	-	7,765,668	7,765,668	48,711,524	(1,553,156)	47,158,368
CITY	City of Minneapolis	36,120,587	724,364	2,880,706	27,188	-	3,632,258	-	-	-	1,333,232	1,333,232	3,576,157	(266,647)	3,309,510
MSPSD	MPS	36,120,587	724,364	2,880,706	27,188	-	3,632,258	-	-	-	1,333,232	1,333,232	3,576,157	(266,647)	3,309,510
STATE	State of MN	499,031,511	10,007,602	39,799,000	375,618	-	50,182,220	-	-	-	18,468,726	18,468,726	49,407,141	(3,693,745)	45,713,396
	Total	\$ 7,388,134,000	\$ 148,162,000	\$ 589,222,000	\$ 5,561,000	\$ 86,065,182	\$ 829,010,182	\$ -	\$ -	\$ -	\$ 86,065,182	\$ 86,065,182	\$ 731,470,000	\$ -	\$ 731,470,000

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, 2020

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 educators employed by St. Paul public schools and Minnesota State Colleges and Universities) are required to be TRA members. State university, community college, and technical college educators first employed by Minnesota State may elect TRA coverage within one year of eligible employment. Alternatively, these educators may elect coverage through the Defined Contribution Retirement Plan (DCR) administered by Minnesota State.

TRA serves 596 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, 2020, are used as the basis for determining each entity's employer proportionate share (EPS) 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, 2019) to the end of the current measurement period (June 30, 2020) 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

(dollars in thousands)

	<u>Differences between expected and actual experience</u>	<u>Changes of assumptions</u>	<u>Difference between projected and actual investment earnings</u>
Amortization period	6 years	6 years	5 years
Current period additions	\$177,794	\$6,673	\$736,527
Amortized in period ending June 30,			
2020	29,632	1,112	147,305
2021	29,632	1,112	147,305
2022	29,632	1,112	147,305
2023	29,632	1,112	147,305
2024	29,632	1,112	147,307
2025	29,634	1,113	-

Deferred inflows of resources

(dollars in thousands)

The only deferred inflows arising in fiscal year ending June 30, 2020 relate to changes in proportion.

The TRA actuary has determined the average of the expected remaining service lives of all members for fiscal year 2020 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.

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, 2020, calculated in accordance with GASB Statement No. 67, are shown below (in thousands).

Total pension liability (A)	\$30,133,130
Plan fiduciary net position (B)	<u>\$22,744,996</u>
Net pension liability (A-B)	\$7,388,134
Plan fiduciary net position as a percentage of the total pension liability (B/A)	75.48%

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 the *Schedule of Employer and Non-Employer Allocations*.

(dollars in thousands)

Employer contributions reported in TRA’s CAFR, Statement of Changes in Fiduciary Net Position	\$425,223
Employer contributions not related to future contribution efforts	(56)
TRA’s contributions not included in allocation	<u>(508)</u>
Total employer contributions	\$424,659
Total non-employer contributions	<u>35,587</u>
Total contributions reported in the <i>Schedule of Employer and Non-Employer Allocations</i>	<u>\$460,246</u>

NOTE 3: CHANGES OF BENEFIT AND FUNDING TERMS

2020: None

NOTE 4: ACTUARIAL METHODS AND ASSUMPTIONS

The actuarial assumptions used in the July 1, 2020 actuarial funding valuation are prescribed in Minnesota Statutes 356.215, and the Standards for Actuarial Work promulgated by the Legislative Commission on Pensions and Retirement (LCPR). Many of the assumptions prescribed are based on the full experience study report, dated June 28, 2019, that covered the four-year period beginning July 1, 2014 and ending June 30, 2018.

On March 3, 2020, the LCPR modified the following demographic assumptions (effective 7/1/2020 evaluation):

- Assumed termination rates were changed to more closely reflect actual experience.
- The pre-retirement mortality assumption was changed to the RP-2014 white collar employee table, male rates set back 5 years and female rates set back 7 years. Generational projection uses MP-2015 scale.

- Assumed form of annuity election proportions were changed to more closely reflect actual experience for female retirees.

The recommendations are reflected in the July 1, 2020 funding valuation report and in the Total Pension Liability (TPL) at the current measurement date. The total pension liability in the June 30, 2020, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement.

Key Methods and Assumptions Used in Valuation of Total Pension Liability	
Actuarial Information	
Valuation date	July 1, 2020
Measurement date	June 30, 2020
Experience studies	June 28, 2019 (demographic assumptions) November 6, 2017 (economic assumptions)
Actuarial cost method	Entry Age Normal
Actuarial assumptions:	
Investment rate of return	7.50%
Price inflation	2.50%
Wage growth rate	2.85% before July 1, 2028 and 3.25% after June 30, 2028
Projected salary increase	2.85% to 8.85% before July 1, 2028 and 3.25% to 9.25% after June 30, 2028
Cost of living adjustment	1.00% for January 2019 through January 2023, then increasing by 0.10% each year, up to 1.50% annually.
Mortality assumptions:	
Pre-retirement:	RP- 2014 white collar employee table, male rates set back five years and female rates set back seven 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 discount rate used to measure the TPL as of the Measurement Date was 7.50 percent. There was no change since the Prior Measurement Date.

The projection of cash flows used to determine the discount rate assumed that plan contributions from members and employers will be made at the current and future contribution rates as set out in state statute and supplemental aid of \$35.59 million annually will be received, as currently provided in statute.

Based on those assumptions, the Financial Net Position (FNP) was projected to be available to make all projected future benefit payments of current TRA members. Therefore, the long-term expected rate of return on investments of 7.50 percent was applied to all periods of projected benefit payments to determine TPL. Projected future benefit payments for all current plan members were projected through the year 2119. The projections are not reflective of cash flows and asset accumulations that would occur on an ongoing basis, reflecting the impact of future members.

Long-Term Rate of Return:

The long-term expected rate of return on pension plan investments is reviewed regularly as part of the experience study. An experience study of the economic assumptions was prepared in 2017 that resulted in a recommendation to reduce the long-term rate of return to 7.50 percent. Generally, several factors are considered in evaluating the long-term rate of return assumption including long-term historical data, estimates inherent in current market data, and an analysis in which best-estimate ranges of expected future real rates of return (expected returns, net of investment expense and inflation) were developed using assumptions for each major asset class, as well as estimates of variabilities and correlations, provided by TRA's investment consultant (the Minnesota State Board of Investment). These ranges were 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 then adding expected inflation. The assumption is intended to be a long-term assumption (30 to 50 years) and is not expected to change absent a significant change in the asset allocation, a change in the inflation assumption, or a fundamental change in the market that alters expected returns in future years.

Asset Allocation:

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

Asset Class	Target Allocation	Long-term Expected Real Rate of Return (Geometric Mean)
Domestic Equity	35.5%	5.10%
International Equity	17.5%	5.30%
Private Markets	25.0%	5.90%
Fixed Income	20.0%	0.75%
Unallocated cash	2.0%	0.00%
Total	100.0%	

Sensitivity Analysis:

The following disclosure presents the sensitivity of the NPL of TRA to potential changes in the discount rate. The following presents the NPL of TRA, calculated using the discount rate of 7.50 percent, as well as TRA's NPL that is 1-percentage-point lower (6.50 percent) or 1-percentage point higher (8.50 percent) than the current rate:

Sensitivity of Net Pension Liability (NPL) to Changes in the Discount Rate <i>(dollars in thousands)</i>			
	1% Decrease (6.50%)	Current Discount Rate (7.50%)	1% Increase (8.50%)
NPL	\$11,311,155	\$7,388,134	\$4,155,763

NOTE 5: 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, 2020, are presented below.

(dollars in thousands)

Service cost	\$	489,790
Interest on the total pension liability		2,123,261
Expensed portion of current-period difference between expected and actual experience in the total pension liability		29,632
Expensed portion of current-period changes of assumptions		1,112
Member contributions		(396,679)
Projected earnings on plan investments		(1,676,275)
Expensed portion of current-period differences between actual and projected earnings on plan investments		147,305
Administrative expense		15,392
Other		(1,560)
Total pension expense	\$	731,978
Less TRA employer contributions and miscellaneous adjustments		(508)
Pension expense - Schedule of Pension Amounts by Entity, Current Reporting Period Only	\$	<u>731,470</u>

NOTE 6: 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, 2020. The supporting actuarial information can be found in the GASB 67-68 report. Both reports can be obtained at <https://minnesotatra.org/wp-content/uploads/2021/02/FY-2020-MN-TRA-GASB-67-68-Combined.pdf>