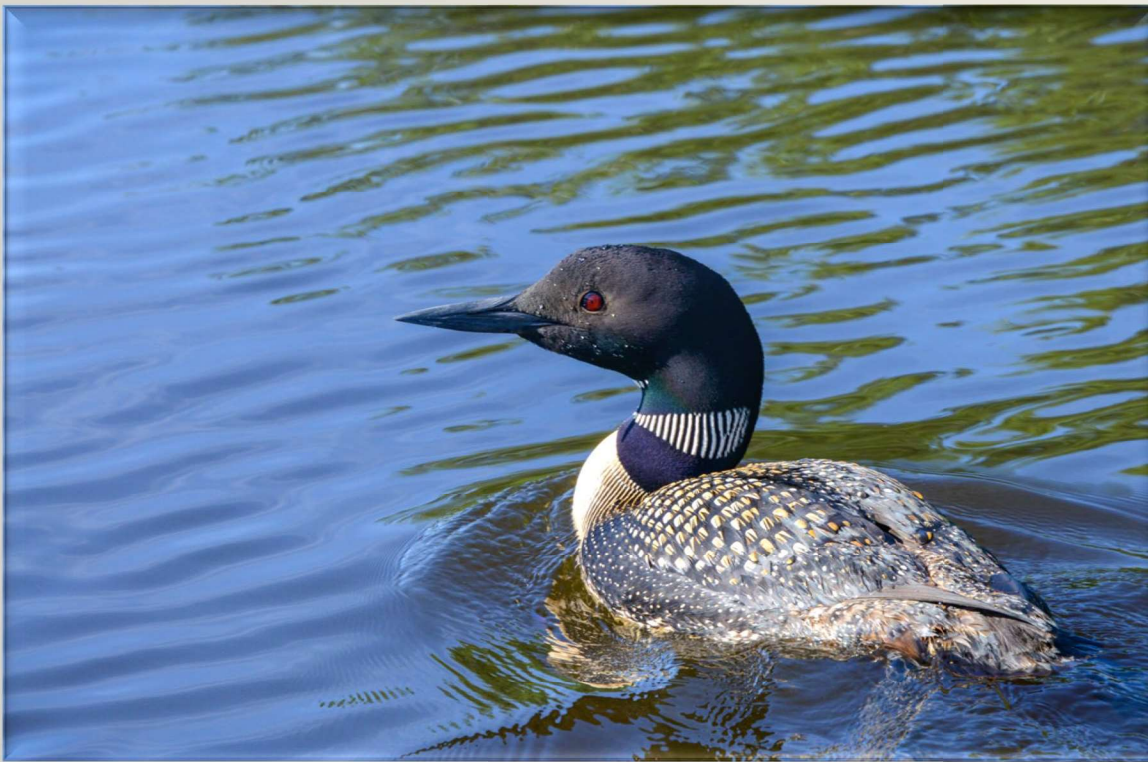


A Pension Trust Fund of the State of Minnesota

2021

For fiscal year ended
June 30, 2021

Employer and Non-Employer GASB 68 Schedules & Notes



Teachers Retirement Association of Minnesota
A Pension Trust Fund of the State of Minnesota

Employer and Non-Employer GASB 68 Schedules & Notes

For the fiscal year ended June 30, 2021

Retirement Systems of Minnesota Building

60 Empire Drive

Suite 400

Saint Paul, MN 55103-4000

651.296.2409

800.657.3669

www.MinnesotaTRA.org

J. Michael Stoffel
Executive Director

Report Prepared by the TRA accounting and executive staff

Cover: Loon; photo by Tammi Mild.

<https://www.istockphoto.com/photo/beautiful-loon-bird-swimming-in-clear-blue-lake-water-gm1301957875-393845338?clarity=false>



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, 2021, 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, 2021, 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.

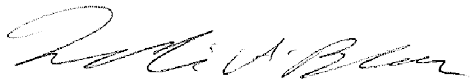
We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

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, 2021, 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

June 9, 2022

**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00001	Aitkin - ISD #1	\$ 494,582	0.1017%
00002	Hill City - ISD #2	156,336	0.0321%
00004	McGregor - ISD #4	234,261	0.0482%
00006	South St Paul Special School Dist. #6	1,629,329	0.3349%
00011	Anoka-Hennepin - ISD #11	21,090,714	4.3351%
00012	Centennial - ISD #12	2,883,179	0.5926%
00013	Columbia Heights - ISD #13	1,630,248	0.3351%
00014	Fridley - ISD #14	1,565,043	0.3217%
00015	St Francis - ISD #15	1,792,229	0.3684%
00016	Spring Lake Park - ISD #16	2,647,395	0.5442%
00022	Detroit Lakes - ISD #22	1,499,732	0.3083%
00023	Frazee-Vergas Public Schools	413,068	0.0849%
00031	Bemidji - ISD #31	2,430,942	0.4997%
00032	Blackduck - ISD #32	272,141	0.0559%
00036	Kelliher - ISD #36	167,635	0.0345%
00038	Red Lake - ISD #38	1,047,938	0.2154%
00047	Sauk Rapids - ISD #47	2,031,503	0.4176%
00051	Foley - ISD #51	803,570	0.1652%
00075	St Clair - ISD #75	266,485	0.0548%
00077	Mankato - ISD #77	4,345,824	0.8933%
00081	Comfrey Public School ISD #81	84,293	0.0173%
00084	Sleepy Eye - ISD #84	253,281	0.0521%
00085	Springfield - ISD #85	269,838	0.0555%
00088	New Ulm - ISD #88	958,426	0.1970%
00091	Barnum - ISD #91	303,073	0.0623%
00093	Carlton - ISD #93	174,710	0.0359%
00094	Cloquet - ISD #94	1,284,432	0.2640%
00095	Cromwell - ISD #95	147,888	0.0304%
00097	Moose Lake - ISD #97	257,016	0.0528%
00099	Esko - ISD #99	516,265	0.1061%
00100	Wrenshall - ISD #100	176,971	0.0364%
00108	Central School District - ISD #108	372,165	0.0765%
00110	Waconia - ISD #110	1,716,832	0.3529%
00111	Watertown-Mayer - ISD #111	633,775	0.1303%
00112	Eastern Carver County Schools - ISD #112	5,130,855	1.0546%
00113	Walker-Hackensack - ISD #113	379,879	0.0781%
00115	Cass Lake - ISD #115	682,984	0.1404%
00116	Pillager - ISD #116	474,751	0.0976%
00118	Northland Community Schools - ISD #118	207,368	0.0426%
00129	Montevideo - ISD #129	756,188	0.1554%
00138	North Branch - ISD #138	970,711	0.1995%
00139	Rush City - ISD #139	327,469	0.0673%
00146	Barnesville - ISD #146	372,585	0.0766%
00150	Hawley - ISD #150	435,910	0.0896%
00152	Moorhead - ISD #152	3,563,418	0.7324%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00162	Bagley - ISD #162	398,171	0.0818%
00166	Cook County - ISD #166	271,476	0.0558%
00173	Mountain Lake - ISD #173	232,133	0.0477%
00177	Windom - ISD #177	506,192	0.1040%
00181	Brainerd - ISD #181	3,119,319	0.6412%
00182	Crosby-Ironton - ISD #182	455,170	0.0936%
00186	Pequot Lakes - ISD #186	709,301	0.1458%
00191	Burnsville - ISD #191	4,530,375	0.9312%
00192	Farmington - ISD #192	3,442,314	0.7076%
00194	Lakeville - ISD #194	5,678,535	1.1672%
00195	Randolph - ISD #195	256,961	0.0528%
00196	Rosemount-Apple Valley-Eagan - ISD #196	15,988,649	3.2864%
00197	West St Paul - ISD #197	2,928,390	0.6019%
00199	Inver Grove Heights - ISD #199	1,725,689	0.3547%
00200	Hastings - ISD #200	1,946,911	0.4002%
00203	Hayfield - ISD #203	306,294	0.0630%
00204	Kasson-Mantorville - ISD #204	838,785	0.1724%
00206	Alexandria - ISD #206	1,955,786	0.4020%
00213	Osakis - ISD #213	348,319	0.0716%
00227	Chatfield - ISD #227	328,188	0.0675%
00229	Lanesboro - ISD #229	152,303	0.0313%
00238	Mabel-Canton - ISD #238	123,871	0.0255%
00239	Rushford - ISD #239	313,556	0.0645%
00241	Albert Lea - ISD #241	1,776,585	0.3652%
00242	Alden - ISD #242	225,802	0.0464%
00246	Central MN ERDC #246	12,784	0.0026%
00252	Cannon Falls - ISD #252	463,077	0.0952%
00253	Goodhue - ISD #253	250,114	0.0514%
00255	Pine Island - ISD #255	572,049	0.1176%
00256	Red Wing - ISD #256	1,171,280	0.2408%
00261	Ashby - ISD #261	125,921	0.0259%
00264	Herman - ISD #264	65,361	0.0134%
00270	Hopkins - ISD #270	3,911,648	0.8040%
00271	Bloomington - ISD #271	6,316,463	1.2983%
00272	Eden Prairie - ISD #272	4,626,533	0.9510%
00273	Edina - ISD #273	4,750,831	0.9765%
00276	Minnnetonka - ISD #276	6,063,465	1.2463%
00277	Westonka - ISD #277	1,245,332	0.2560%
00278	Orono - ISD #278	1,565,067	0.3217%
00279	Osseo - ISD #279	11,326,110	2.3280%
00280	Richfield - ISD #280	2,360,814	0.4853%
00281	Robbinsdale - ISD #281	6,610,496	1.3588%
00282	St Anthony - ISD #282	854,067	0.1755%
00283	St Louis Park - ISD #283	2,613,702	0.5372%
00284	Wayzata - ISD #284	6,761,885	1.3899%

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, 2021

ID	Entity	Employer Contributions	Entity Allocations Percentage
00286	Brooklyn Center - ISD #286	1,088,180	0.2237%
00287	Interm School District #287	2,589,013	0.5322%
00288	Southwest Metro Intermediate District	711,525	0.1463%
00294	Houston - ISD #294	818,265	0.1682%
00297	Spring Grove - ISD #297	177,668	0.0365%
00299	Caledonia - ISD #299	317,970	0.0654%
00300	LaCrescent - ISD #300	453,485	0.0932%
00306	Laporte - ISD #306	136,770	0.0281%
00308	Nevis - ISD #308	248,443	0.0511%
00309	Park Rapids - ISD #309	708,897	0.1457%
00314	Braham - ISD #314	278,473	0.0572%
00316	Greenway Schools - ISD #316	459,321	0.0944%
00317	Deer River - ISD #317	493,640	0.1015%
00318	Grand Rapids - ISD #318	1,976,075	0.4062%
00319	Nashwauk-Keewatin - ISD #319	273,083	0.0561%
00330	Heron Lake-Okabena - ISD #330	139,824	0.0287%
00332	Mora - ISD #332	722,000	0.1484%
00333	Ogilvie - ISD #333	209,788	0.0431%
00345	New London-Spicer - ISD #345	713,723	0.1467%
00347	Willmar - ISD #347	2,053,343	0.4221%
00356	Lancaster - ISD #356	93,989	0.0193%
00361	International Falls - ISD #361	448,425	0.0922%
00362	Littlefork - Big Falls - ISD #362	133,337	0.0274%
00363	So Koochiching-Rainy River - ISD #363	176,835	0.0363%
00378	Dawson - ISD #378	276,010	0.0567%
00381	Lake Superior - ISD #381	719,918	0.1480%
00382	Northwest Reg Intrdst Council #382	56,790	0.0117%
00390	Lake of the Woods - ISD #390	202,924	0.0417%
00391	Cleveland - ISD #391	210,802	0.0433%
00397	Lake Agassiz Spec Ed Coop #397	87,913	0.0181%
00398	Midwest Spec Ed Coop #398	108,179	0.0222%
00402	Hendricks - ISD #402	91,132	0.0187%
00403	Ivanhoe - ISD #403	35,534	0.0073%
00404	Lake Benton - ISD #404	55,773	0.0115%
00413	Marshall - ISD #413	1,295,825	0.2664%
00414	Minneota - ISD #414	209,724	0.0431%
00415	Lynd - ISD #415	87,150	0.0179%
00423	Hutchinson - ISD #423	1,214,288	0.2496%
00424	Lester Prairie - ISD #424	182,099	0.0374%
00432	Mahnomen - ISD #432	325,707	0.0669%
00435	Waubun - ISD #435	331,502	0.0681%
00441	Marshall County Central - ISD #441	193,847	0.0398%
00447	Grygla - ISD #447	96,611	0.0199%
00458	Truman - ISD #458	127,344	0.0262%
00463	Eden Valley - Watkins - ISD #463	364,369	0.0749%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00465	Litchfield - ISD #465	639,709	0.1315%
00466	Dassel-Cokato - ISD #466	925,902	0.1903%
00473	Isle - ISD #473	184,411	0.0379%
00477	Princeton - ISD #477	1,378,749	0.2834%
00480	Onamia - ISD #480	340,065	0.0699%
00482	Little Falls - ISD #482	1,121,915	0.2306%
00484	Pierz - ISD #484	517,278	0.1063%
00485	Royalton - ISD #485	307,748	0.0633%
00486	Swanville - ISD #486	121,142	0.0249%
00487	Upsala - ISD #487	152,943	0.0314%
00492	Austin - ISD #492	2,433,988	0.5003%
00495	Grand Meadow - ISD #495	197,110	0.0405%
00497	Lyle - ISD #497	117,253	0.0241%
00499	LeRoy - ISD #499	129,646	0.0266%
00500	Southland - ISD #500	170,597	0.0351%
00505	Fulda - ISD #505	177,211	0.0364%
00507	Nicollet - ISD #507	153,952	0.0316%
00508	St Peter - ISD #508	997,746	0.2051%
00511	Adrian - ISD #511	226,654	0.0466%
00514	Ellsworth - ISD #514	75,750	0.0156%
00518	Worthington - ISD #518	1,555,581	0.3197%
00531	Byron - ISD #531	875,978	0.1801%
00533	Dover-Eyota - ISD #533	462,736	0.0951%
00534	Stewartville - ISD #534	826,734	0.1699%
00535	Rochester - ISD #535	9,046,829	1.8595%
00542	Battle Lake Public Schools - ISD #542	199,720	0.0411%
00544	Fergus Falls - ISD #544	1,114,242	0.2290%
00545	Henning - ISD #545	161,826	0.0333%
00547	Parkers Prairie - ISD #547	249,837	0.0514%
00548	Pelican Rapids - ISD #548	352,475	0.0724%
00549	Perham - ISD #549	665,842	0.1369%
00550	Underwood - ISD #550	225,250	0.0463%
00553	New York Mills - ISD #553	275,472	0.0566%
00561	Goodridge - ISD #561	108,726	0.0223%
00564	Thief River Falls Public Schools #564	846,116	0.1739%
00577	Willow River - ISD #577	197,242	0.0405%
00578	Pine City - ISD #578	707,323	0.1454%
00581	Edgerton - ISD #581	202,294	0.0416%
00592	Climax - ISD #592	102,498	0.0211%
00593	Crookston - ISD #593	503,812	0.1036%
00595	East Grand Forks - ISD #595	794,264	0.1633%
00599	Fertile-Beltrami - ISD #599	213,641	0.0439%
00600	Fisher - ISD #600	132,631	0.0273%
00601	Fosston - ISD #601	275,459	0.0566%
00621	Mounds View - ISD #621	5,717,541	1.1752%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00622	North St Paul-Maplewood - ISD #622	5,377,731	1.1054%
00623	Roseville - ISD #623	4,033,615	0.8291%
00624	White Bear Lake - ISD #624	4,682,200	0.9624%
00630	Red Lake Falls - ISD #630	207,149	0.0426%
00635	Milroy - ISD #635	30,655	0.0063%
00640	Wabasso - ISD #640	185,144	0.0381%
00656	Faribault - ISD #656	1,894,452	0.3894%
00659	Northfield - ISD #659	2,116,759	0.4351%
00671	Hills-Beaver Creek - ISD #671	151,980	0.0312%
00676	Badger - ISD #676	122,789	0.0252%
00682	Roseau - ISD #682	487,513	0.1002%
00690	Warroad - ISD #690	483,133	0.0993%
00695	Chisholm - ISD #695	299,772	0.0616%
00696	Ely - ISD #696	238,596	0.0490%
00698	Floodwood - ISD #698	99,684	0.0205%
00700	Hermantown - ISD #700	823,875	0.1693%
00701	Hibbing - ISD #701	1,071,908	0.2203%
00704	Proctor - ISD #704	859,447	0.1767%
00706	Virginia - ISD #706	478	0.0001%
00707	Nett Lake - ISD #707	43,110	0.0089%
00709	Duluth - ISD #709	3,979,995	0.8181%
00712	Mountain Iron-Buhl - ISD #712	246,132	0.0506%
00716	Belle Plaine - ISD #716	593,102	0.1219%
00717	Jordan - ISD #717	863,547	0.1775%
00719	Prior Lake - ISD #719	3,930,144	0.8078%
00720	Shakopee - ISD #720	3,885,733	0.7987%
00721	New Prague - ISD #721	1,956,381	0.4021%
00726	Becker - ISD #726	1,250,547	0.2570%
00727	Big Lake - ISD #727	1,249,517	0.2568%
00728	Elk River - ISD #728	5,810,061	1.1942%
00738	Holdingsford - ISD #738	390,679	0.0803%
00739	Kimball - ISD #739	289,469	0.0595%
00740	Melrose - ISD #740	552,217	0.1135%
00741	Paynesville - ISD #741	459,692	0.0945%
00742	St Cloud - ISD #742	5,435,868	1.1173%
00743	Sauk Centre - ISD #743	525,524	0.1080%
00745	Albany - ISD #745	857,757	0.1763%
00748	Sartell - ISD #748	1,753,618	0.3604%
00750	Rocori - ISD #750	930,896	0.1913%
00756	Blooming Prairie - ISD #756	381,813	0.0785%
00761	Owatonna - ISD #761	2,376,834	0.4885%
00763	Medford - ISD #763	354,592	0.0729%
00768	Hancock - ISD #768	168,248	0.0346%
00771	Chokio-Alberta - ISD #771	91,977	0.0189%
00775	Kerkhoven-Murdock-Sunburg - ISD #775	310,708	0.0639%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
00777	Benson - ISD #777	344,099	0.0707%
00786	Bertha-Hewitt - ISD #786	216,104	0.0444%
00787	Browerville - ISD #787	246,064	0.0506%
00801	Browns Valley - ISD #801	87,261	0.0179%
00803	Wheaton - ISD #803	183,250	0.0377%
00811	Wabasha-Kellogg - ISD #811	334,941	0.0688%
00813	Lake City - ISD #813	523,559	0.1076%
00815	Prinsburg - ISD #815	15,216	0.0031%
00818	Verndale - ISD #818	218,345	0.0449%
00820	Sebeka - ISD #820	219,295	0.0451%
00821	Menahga - ISD #821	377,086	0.0775%
00829	Waseca - ISD #829	886,099	0.1821%
00831	Forest Lake - ISD #831	2,756,034	0.5665%
00832	Mahtomedi - ISD #832	1,531,534	0.3148%
00833	South Washington County - ISD #833	9,988,216	2.0530%
00834	Stillwater - ISD #834	4,044,164	0.8313%
00836	Butterfield - ISD #836	119,617	0.0246%
00837	Madelia - ISD #837	252,355	0.0519%
00840	St James - ISD #840	454,707	0.0935%
00846	Breckenridge - ISD #846	276,940	0.0569%
00850	Rothsay - ISD #850	100,018	0.0206%
00852	Campbell-Tintah - ISD #852	71,309	0.0147%
00857	Lewiston - ISD #857	339,941	0.0699%
00858	St Charles - ISD #858	451,378	0.0928%
00861	Winona Area Public Schools - ISD #861	1,385,990	0.2849%
00876	Annandale - ISD #876	856,404	0.1760%
00877	Buffalo - ISD #877	2,503,963	0.5147%
00879	Delano - ISD #879	1,012,802	0.2082%
00881	Maple Lake - ISD #881	348,622	0.0717%
00882	Monticello - ISD #882	2,234,582	0.4593%
00883	Rockford - ISD #883	694,387	0.1427%
00885	St Michael - ISD #885	2,907,036	0.5975%
00891	Canby - ISD #891	225,932	0.0464%
00911	Cambridge-Isanti - ISD #911	1,963,997	0.4037%
00912	Milaca - ISD #912	806,455	0.1658%
00914	Ulen - Hitterdal - ISD #914	140,395	0.0289%
00915	Southern Plains #915	219,108	0.0450%
00916	NE Metro Interm School Dist. #916	2,016,285	0.4144%
00917	Interm School District #917	1,388,069	0.2853%
00920	Metro ECSU #920	83,469	0.0172%
00921	Southeast Service Coop #921	122,279	0.0251%
00922	South Central Serv Coop #922	53,068	0.0109%
00923	Resource Training and Solutions #923	119,916	0.0246%
00924	North Central Service Coop #924	175,430	0.0361%
00925	Sourcwell Technology #925	46,223	0.0095%

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, 2021

ID	Entity	Employer Contributions	Entity Allocations Percentage
00926	Lakes Country Serv Coop #926	228,927	0.0471%
00927	Northeast Service Coop #927	48,479	0.0100%
00928	Northwest MN Service Co-op #928	111,582	0.0229%
00935	Fergus Falls Spec Ed Coop #935	145,010	0.0298%
00938	Meeker & Wright Spec Ed Coop #938	346,792	0.0713%
00966	Wright Technical Ctr #966	129,080	0.0265%
00978	MN Valley Coop Ctr #978	133,761	0.0275%
00985	Pine to Prairie Coop Ctr #985	7,858	0.0016%
00991	SW/W Central Service Cooperative #991	1,104,994	0.2271%
00997	Area Special Educ Coop #997	160,193	0.0329%
00998	Bemidji Reg Interdist Council #998	290,747	0.0598%
02071	Lake Crystal-Wellcome Memorial ISD #2071	403,306	0.0829%
02125	Triton Schools - ISD #2125	438,352	0.0901%
02134	United South Central - ISD #2134	352,183	0.0724%
02135	Maple River - ISD #2135	371,552	0.0764%
02137	Kingsland - ISD #2137	226,525	0.0466%
02142	St Louis County Schools - ISD #2142	1,044,714	0.2147%
02143	Waterville-Elysian-Morristown ISD #2143	340,403	0.0700%
02144	Chisago Lakes Area - ISD #2144	1,423,930	0.2927%
02149	Minnewaska Area - ISD #2149	606,411	0.1246%
02155	Wadena-Deer Creek - ISD #2155	451,364	0.0928%
02159	Buffalo Lake-Hector - ISD #2159	238,620	0.0490%
02164	Dilworth-Glyndon-Felton - ISD #2164	675,278	0.1388%
02165	Hinckley-Finlayson - ISD #2165	450,210	0.0925%
02167	Lakeview - ISD #2167	290,493	0.0597%
02168	NRHEG - ISD #2168	341,917	0.0703%
02169	Murray County Central - ISD #2169	315,317	0.0648%
02170	Staples-Motley - ISD #2170	411,076	0.0845%
02171	Kittson Central - ISD #2171	144,347	0.0297%
02172	Kenyon-Wanamingo - ISD #2172	291,221	0.0599%
02174	Pine River-Backus - ISD #2174	418,568	0.0860%
02176	Warren-Alvarado-Oslo - ISD #2176	244,948	0.0503%
02180	MACCRAY - ISD #2180	344,117	0.0707%
02184	Luverne - ISD #2184	582,860	0.1198%
02190	Yellow Medicine East - ISD #2190	249,759	0.0513%
02198	Fillmore Central - ISD #2198	260,724	0.0536%
02215	Norman County East - ISD #2215	142,234	0.0292%
02310	Sibley East - ISD #2310	446,668	0.0918%
02311	Clearbrook-Gonvick - ISD #2311	195,756	0.0402%
02342	West Central Area - ISD #2342	378,424	0.0778%
02358	Tri-County - ISD #2358	100,548	0.0207%
02364	Belgrade-Brooten-Elrosa - ISD #2364	279,105	0.0574%
02365	Gibbon-Fairfax-Winthrop - ISD #2365	292,982	0.0602%
02396	Atwater-Cosmos-Grove City - ISD #2396	397,636	0.0817%
02397	Le Sueur-Henderson - ISD #2397	392,205	0.0806%

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**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
02448	Martin County West - ISD #2448	301,882	0.0621%
02527	Norman County West - ISD #2527	44,803	0.0092%
02534	BOLD - ISD #2534	248,175	0.0510%
02536	Granada-Huntley-E Chain - ISD #2536	122,708	0.0252%
02580	East Central - ISD #2580	332,432	0.0683%
02609	Win-E-Mac - ISD #2609	182,172	0.0374%
02683	Greenbush-Middle River - ISD #2683	138,779	0.0285%
02687	Howard Lake-Waverly-Winsted - ISD #2687	549,323	0.1129%
02689	Pipestone Area Schools - ISD #2689	457,080	0.0940%
02711	Mesabi East - ISD #2711	436,155	0.0896%
02752	Fairmont-Ceylon - ISD #2752	719,822	0.1480%
02753	Long Prairie-Grey Eagle - ISD #2753	414,288	0.0852%
02754	Cedar Mountain - ISD #2754	185,682	0.0382%
02769	Morris Area Schools - ISD #2769	457,158	0.0940%
02805	Zumbrota-Mazeppa - ISD #2805	544,213	0.1119%
02835	Janesville-Waldorf-Pemberton - ISD #2835	321,030	0.0660%
02853	Lac qui Parle Valley - ISD #2853	413,890	0.0851%
02854	Ada-Borup - ISD #2854	277,107	0.0570%
02856	Stephen-Argyle - ISD #2856	151,968	0.0312%
02859	Glencoe-Silver Lake - ISD #2859	662,199	0.1361%
02860	Blue Earth Area Public Schools #2860	441,846	0.0908%
02884	Red Rock Central - ISD #2884	200,705	0.0413%
02886	Glenville-Emmons - ISD #2886	105,363	0.0217%
02888	Clinton-Graceville-Beardsley - ISD #2888	133,840	0.0275%
02889	Lake Park-Audubon District - ISD #2889	275,869	0.0567%
02890	Renville County West - ISD #2890	271,277	0.0558%
02895	Jackson County Central Schools ISD #2895	548,666	0.1128%
02897	Redwood Area Schools - ISD #2897	513,310	0.1055%
02898	Westbrook-Walnut Grove Public School #2898	204,282	0.0420%
02899	Plainview-Elgin-Millville ISD #2899	592,974	0.1219%
02902	RTR Public School #2902	212,940	0.0438%
02903	Ortonville Public School #2903	264,921	0.0545%
02904	Tracy Area School District #2904	301,454	0.0620%
02905	Tri-City United ISD #2905	815,279	0.1676%
02906	Red Lake County Central - ISD #2906	187,591	0.0386%
02907	Round Lake/Brewster - ISD #2907	154,079	0.0317%
02908	Brandon/Evansville - ISD #2908	198,964	0.0409%
02909	Rock Ridge Public Schools	935,952	0.1924%
03333	Pine Point - ISD #3333	68,379	0.0141%
04000	City Academy	54,394	0.0112%
04001	Bluffview Montessori	73,123	0.0150%
04003	New Heights School	48,971	0.0101%
04004	Cedar-Riverside Community School	87,101	0.0179%
04005	Metro Deaf School	259,873	0.0534%
04007	New Country Charter School	91,438	0.0188%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
04008	PACT Charter School	201,251	0.0414%
04011	Athlos Leadership Academy	336,965	0.0693%
04015	Community of Peace	377,931	0.0777%
04016	World Learner School	72,838	0.0150%
04017	MN Transitions Charter School	629,951	0.1295%
04018	Achieve Language Academy	203,402	0.0418%
04020	Duluth Edison Charter School	585,047	0.1203%
04025	Cyber Village Academy	143,654	0.0295%
04026	ECHO Charter School	23,484	0.0048%
04027	Higher Ground	335,188	0.0689%
04029	St Paul City School	240,064	0.0493%
04031	Jennings Experiential High School	29,503	0.0061%
04035	Life Prep Academy	113,868	0.0234%
04036	Face to Face Academy	58,801	0.0121%
04038	Sojourner Truth Academy	174,419	0.0359%
04039	High School for Recording Arts	81,028	0.0167%
04043	Math & Science Academy	166,003	0.0341%
04049	Northwest Passage High School	74,120	0.0152%
04050	Lafayette Charter School	23,317	0.0048%
04053	North Lakes Academy	239,387	0.0492%
04054	LaCrescent Montessori Academy	29,878	0.0061%
04055	Nerstrand Elementary School	47,527	0.0098%
04056	Rosa Parks Charter High School Total	23,068	0.0047%
04057	El Colegio Charter School	60,191	0.0124%
04058	Schoolcraft Learning Community	71,178	0.0146%
04059	Crosslake Community School	154,752	0.0318%
04064	Riverway Learning Community	49,718	0.0102%
04066	Kato Public Charter School	36,342	0.0075%
04067	Aurora Charter School	173,234	0.0356%
04068	Excell Academy for Higher Learning	194,862	0.0401%
04070	HOPE Community Academy	229,742	0.0472%
04073	Academia Cesar Chavez	192,394	0.0395%
04074	AFSA High School	189,565	0.0390%
04075	Avalon School	160,452	0.0330%
04078	MN International Middle School	375,634	0.0772%
04079	Friendship Academy of Fine Arts	97,862	0.0201%
04080	Pillager Area Charter School	16,020	0.0033%
04081	Discovery Public School of Faribault	29,344	0.0060%
04082	BlueSky Charter School	313,422	0.0644%
04083	Ridgeway Community School	34,386	0.0071%
04084	North Shore Community School	138,141	0.0284%
04085	Harbor City International	92,177	0.0189%
04087	SAGE Academy	41,945	0.0086%
04088	Urban Academy	127,012	0.0261%
04089	New City School Charter School	107,080	0.0220%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
04090	Prairie Creek Community School	78,825	0.0162%
04091	Arcadia Charter School	59,924	0.0123%
04092	Watershed High School	27,936	0.0057%
04093	New Century Charter School	48,702	0.0100%
04095	Trio Wolf Creek Distance Learning	73,167	0.0150%
04097	Partnership Academy, Inc.	262,672	0.0540%
04098	Nova Classical Academy	325,403	0.0669%
04100	Great Expectations School	41,882	0.0086%
04102	Mn Internship Center	142,656	0.0293%
04103	Hmong Academy	781,888	0.1607%
04104	Paladin Academy (Liberty High School)	64,616	0.0133%
04105	Great River School	284,452	0.0585%
04106	Trek North High School	111,543	0.0229%
04107	Voyageurs Expeditionary School	55,274	0.0114%
04110	Performing Institute of Minnesota Arts High School	156,345	0.0321%
04111	Augsburg Academy for Health Careers	36,222	0.0074%
04112	St Paul Conservatory for Performing Arts	146,067	0.0300%
04113	Spero Academy	183,182	0.0377%
04116	Lakes International Language Academy	448,766	0.0922%
04118	Kaleidoscope Charter School	253,592	0.0521%
04119	Academic Arts High School	55,890	0.0115%
04120	St Croix Preparatory School	420,640	0.0865%
04121	UBAH Medical Academy	112,904	0.0232%
04122	Eagle Ridge Academy	513,100	0.1055%
04124	Beacon Academy	258,168	0.0531%
04126	Prairie Seeds Academy	275,061	0.0565%
04127	TEAM Academy	61,076	0.0126%
04131	Metro School Charter Total	165,457	0.0340%
04132	Twin Cities Academy High School	223,794	0.0460%
04135	Rochester Math and Science Academy	141,916	0.0292%
04137	Swan River Montessori	63,576	0.0131%
04139	LoveWorks Academy	58,212	0.0120%
04140	Yinghua Academy	308,644	0.0634%
04142	Stride Academy	203,108	0.0417%
04143	New Millennium Academy	262,168	0.0539%
04144	Green Isle Community School	25,650	0.0053%
04145	Birch Grove Charter School	21,605	0.0044%
04146	Northern Lights Community School	58,286	0.0120%
04150	Minnesota Online High School	115,174	0.0237%
04151	EdVisions Off-Campus Charter School	53,344	0.0110%
04152	Twin Cities German Immersion School	206,508	0.0424%
04153	Dugsi Academy	113,746	0.0234%
04155	Naytahwaush Community School	81,167	0.0167%
04159	Seven Hills Classical	434,912	0.0894%
04160	Spectrum HS	266,351	0.0547%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
04161	New Discoveries Montessori Academy	120,390	0.0247%
04162	Southside Family Charter School	35,984	0.0074%
04164	Laura Jeffrey Academy	60,153	0.0124%
04166	East Range Academy of Tech and Science	64,329	0.0132%
04167	International Spanish Language Academy	107,708	0.0221%
04168	Glacial Hills Elementary School	52,991	0.0109%
04169	Stonebridge Community School	115,008	0.0236%
04170	Hiawatha Academies	800,710	0.1646%
04171	Noble Academy	184,480	0.0379%
04172	Clarkfield Area Charter School	23,008	0.0047%
04177	Minisinaakwaang Leadership Academy	23,740	0.0049%
04178	Lincoln International Charter School	67,962	0.0140%
04181	Community School of Excellence	390,476	0.0803%
04183	Lionsgate Academy	512,456	0.1053%
04184	Aspen Academy	200,747	0.0413%
04185	DaVinci Academy of Art and Science	318,063	0.0654%
04186	Global Academy, Inc.	206,626	0.0425%
04188	Cologne Academy	277,156	0.0570%
04189	Bright Water Elementary Charter School	35,176	0.0072%
04191	KIPP Minnesota	339,100	0.0697%
04192	Best Academy	310,081	0.0637%
04193	College Prep Elementary	112,955	0.0232%
04194	Cannon River STEM School	150,306	0.0309%
04195	Oshki Ogimaag Charter School	22,441	0.0046%
04198	Discovery Woods Montessori	37,554	0.0077%
04199	Parnassus Preparatory School	403,580	0.0830%
04200	Step Academy	224,980	0.0462%
04201	Cornerstone Montessori Elementary School	42,731	0.0088%
04204	Rochester STEM Academy	40,841	0.0084%
04205	Hennepin Elementary School	198,423	0.0408%
04207	Vermilion Country School	16,981	0.0035%
04208	Nasha Shkola Charter School	44,442	0.0091%
04209	Mastery School	61,926	0.0127%
04210	Upper Mississippi Academy	172,144	0.0354%
04213	Prodeo Academy	348,921	0.0717%
04215	Sejong Academy	121,603	0.0250%
04217	Technical Academies of Minnesota	55,740	0.0115%
04218	Venture Academy	222,543	0.0457%
04219	Northeast College Prep Charter School	177,520	0.0365%
04220	Agamim Hebrew Language School	113,979	0.0234%
04221	Discovery Charter School	76,538	0.0157%
04223	Saint Cloud Math and Science Academy	110,807	0.0228%
04224	Star of the North Academy	56,770	0.0117%
04225	Universal Academy Charter School	142,570	0.0293%
04226	Bdote Learning Center	78,779	0.0162%

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, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
04227	Art and Science Academy	137,250	0.0282%
04228	Woodbury Leadership Academy	159,981	0.0329%
04229	Jane Goodall Environmental Sciences Acad	45,685	0.0094%
04230	Minnesota Excellence in Learning Academy	81,290	0.0167%
04231	Minnesota Math and Science Academy	203,645	0.0419%
04232	Success Academy School	40,978	0.0084%
04233	Level Up Academy Charter School	63,730	0.0131%
04237	Career Pathways	47,517	0.0098%
04238	Rochester Beacon Academy	78,789	0.0162%
04239	TESFA International School	85,287	0.0175%
04240	New Century Academy	132,269	0.0272%
04243	North Metro Flex Academy	84,198	0.0173%
04244	FIT Academy	134,777	0.0277%
04250	Athlos Academy of St Cloud	222,147	0.0457%
04253	Phoenix Academy	35,719	0.0073%
04254	Marine Area Charter School	79,971	0.0164%
04255	Skyline Math & Science Academy	87,618	0.0180%
04258	The Journey School	25,812	0.0053%
04261	SciTech Academy	78,905	0.0162%
04263	Progeny Academy	20,556	0.0042%
04264	Gateway STEM Academy Charter School	67,928	0.0140%
04265	Minnesota Wildflower Montessori School	29,361	0.0060%
04266	Three Rivers Montessori School	22,251	0.0046%
04267	Horizon Science Academy Twin Cities	33,062	0.0068%
04268	Great Oaks Academy	22,886	0.0047%
04269	Quantum STEAM Academy Charter School	24,633	0.0051%
04271	Aurora Waasakone Community of Learners	43,723	0.0090%
04273	Modern Montessori Charter School	41,553	0.0085%
04275	St. Paul Northern Lights Charter School	52,903	0.0109%
04276	Notre Ecole Academy Charter School	13,243	0.0027%
04277	Metro Tech Academy Charter School	13,364	0.0027%
04278	Minneapolis School of New Music Charter	7,480	0.0015%
04280	Aspire Academy Charter School	1,220	0.0003%
04282	Innovation Science & Technology Academy	20,382	0.0042%
04286	Link Public Schools Charter School	4,065	0.0008%
04287	Cross River Charter School	1,220	0.0003%
04288	Kandiyohi Academy Charter School	1,455	0.0003%
05001	MN Family Career & Comm Leaders of America	6,861	0.0014%
05002	MN Business Professionals of America	2,478	0.0005%
05004	MN Delta Epsilon / DECA	2,444	0.0005%
06004	Freshwater Education Dist. #6004	414,620	0.0852%
06009	St. Croix River Education District	295,681	0.0608%
06012	Zumbro Education District #6012	284,340	0.0584%
06013	Hiawatha Valley Ed Dist. #6013	310,929	0.0639%
06014	Runestone Area Education Dist. #6014	140,354	0.0288%

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**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
06017	MN Transitions - Connections Academy	635,431	0.1306%
06026	W Central Education Dist. #6026	163,526	0.0336%
06027	MN Valley Educ Dist. #6027	192,936	0.0397%
06049	Riverbend Educational Dist. #6049	261,236	0.0537%
06051	Goodhue County Ed Dist. #6051	444,167	0.0913%
06067	East Metro Integration District	30,298	0.0062%
06070	Itasca Area Schools Collaborative	127,847	0.0263%
06076	Northland Learning Center - ISD #6076	294,414	0.0605%
06078	Northwest Suburban ISD #6078	9,600	0.0020%
06079	Rum River Special Education Coop	290,018	0.0596%
06080	Minnesota's Digital Academy	19,878	0.0041%
06083	Southern Minnesota Education Consortium	182,275	0.0375%
06094	Cannon Valley Special Education Coop	176,866	0.0364%
06383	Benton-Stearns Educ Dist. #6383	321,676	0.0661%
06979	Midstate Educational Dist. #6979	152,779	0.0314%
08800037	Dept of Education	915,351	0.1881%
08825000	Perpich Center for Arts Education	123,056	0.0253%
08837001	Minnesota State Academies	325,242	0.0669%
09700004	Education Minnesota	18,666	0.0038%
10100011	System Office 101-11	298,367	0.0613%
10100012	Bemidji State Univ 101-12	479,849	0.0986%
10100013	Minnesota State Univ, Mankato 101-13	885,775	0.1821%
10100014	Minnesota St. University Moorhead 101-14	475,392	0.0977%
10100015	St Cloud State Univ 101-15	787,116	0.1618%
10100016	Southwest Minnesota State Univ 101-16	293,495	0.0603%
10100017	Winona State Univ 101-17	887,767	0.1825%
10100018	Metropolitan State Univ 101-18	682,861	0.1404%
10100020	Alexandria Tech College 101-20	329,179	0.0677%
10100021	Anoka Technical College 101-21	215,325	0.0443%
10100022	Central Lakes College 101-22	451,382	0.0928%
10100023	Dakota County Tech College 101-23	256,617	0.0527%
10100024	Lake Superior College 101-24	348,298	0.0716%
10100025	Hennepin Tech College 101-25	615,723	0.1266%
10100026	Ridgewater College 101-26	486,367	0.1000%
10100027	Minneapolis Comm & Tech College 101-27	532,584	0.1095%
10100028	Century Comm and Tech College 101-28	729,200	0.1499%
10100029	Northwest Tech College - Bemidji 101-29	79,617	0.0164%
10100030	Pine Tech College 101-30	132,126	0.0272%
10100031	Mesabi Range Comm & Tech College 101-31	220,275	0.0453%
10100032	Hibbing Comm College 101-32	233,730	0.0480%
10100033	Minnesota State College-SE Tech 101-33	244,817	0.0503%
10100034	Riverland Community College 101-34	323,788	0.0666%
10100035	South Central College 101-35	412,280	0.0847%
10100036	Minnesota West Comm & Tech College 101-36	394,617	0.0811%
10100037	St Cloud Tech College 101-37	471,837	0.0970%

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**Teachers Retirement Association
Schedule of Employer and Non-Employer Allocations
As of and For the Year Ended June 30, 2021**

ID	Entity	Employer Contributions	Entity Allocations Percentage
10100038	St Paul College 101-38	523,381	0.1076%
10100039	Northeast Service Unit 101-39	17,220	0.0035%
10100040	Fond du Lac Tribal & Comm College 101-40	139,827	0.0287%
10100041	North Hennepin Comm College 101-41	467,637	0.0961%
10100042	Northland Community & Tech College 101-42	372,248	0.0765%
10100043	Normandale Community College 101-43	501,540	0.1031%
10100044	Inver Hills Community College 101-44	325,685	0.0669%
10100045	Itasca Community College 101-45	174,064	0.0358%
10100046	Rainy River Community College 101-46	39,180	0.0081%
10100048	Rochester Comm & Tech College 101-48	464,709	0.0955%
10100049	Anoka-Ramsey Comm College 101-49	569,328	0.1170%
10100050	Vermilion Comm College 101-50	83,619	0.0172%
10100051	MN State Comm and Tech College 101-51	460,379	0.0946%
S0001	Minneapolis - Special School Dist. #1	31,001,585	6.3716%
CITY	City of Minneapolis	2,250,000	0.4625%
MSPSD	MPS	2,250,000	0.4625%
STATE	State of MN	33,340,073	6.8529%
	Total	\$ 486,510,097	100.0%

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Teachers Retirement Association
 Schedule of Pension Amounts By Entity
 Current Reporting Period Only
 As of and For the Year Ended June 30, 2021

ID	Entity	Deferred Outflows of Resources			Deferred Inflows of Resources			Pension Expense			
		Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Outflows of Resources	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense	
00001	Alton - ISO #1	\$ 4,450,696	\$ 1,626,488	\$ 36,941	\$ 1,663,429	\$ 55,889	\$ 4,082,264	\$ 4,137,953	\$ (57,176)	\$ 7,388	\$ (49,788)
00002	Hill City - ISO #2	1,404,792	513,375	-	1,288,502	17,577	1,366,117	1,288,502	(18,047)	1,961,154	(84,055)
00004	McGregor - ISO #4	2,109,376	770,863	141,606	912,469	26,393	1,934,761	1,934,761	(27,098)	1,961,154	1,223
00006	South St Paul Special School Dist. #6	14,656,225	5,356,056	-	5,356,056	183,385	14,692,973	14,692,973	(188,281)	1,071,229	(14,256)
00011	Aranda-Hennepin - ISO #11	189,716,918	69,331,154	-	69,331,154	2,373,814	174,017,041	177,352,469	(2,677,193)	(193,933)	(7,600,151)
00012	Aranda-Hennepin - ISO #12	25,933,948	9,477,452	104,665	9,582,117	324,466	23,787,118	24,111,614	(333,160)	20,933	(3,122,227)
00013	Columbia Heights - ISO #13	14,664,978	5,359,254	-	5,359,254	183,994	13,851,001	13,851,001	(188,393)	(188,393)	(233,953)
00014	Franklin - ISO #14	16,122,286	5,144,948	332,466	5,477,414	176,156	11,991,122	12,167,536	(180,860)	66,493	(114,367)
00015	St Francis - ISO #15	2,845,819	8,703,391	886,576	9,591,821	207,728	10,789,672	10,789,672	(305,694)	(417,750)	(128,634)
00016	Spring Lake Park - ISO #16	13,942,130	4,930,642	190,860	5,124,502	168,819	21,844,329	22,142,332	(305,949)	177,315	(138,634)
00022	Detroit Lakes - ISO #22	3,715,478	1,357,806	-	1,357,806	46,490	12,375,242	12,375,242	(173,326)	(19,702)	(38,172)
00023	Frazer-Vergas Public Schools	21,868,366	7,991,702	-	7,991,702	273,626	20,068,088	20,068,088	(280,913)	3,407,900	(67,433)
00031	Blackduck - ISO #31	2,446,351	894,009	123,136	1,071,145	30,610	3,142,741	3,142,741	(31,427)	2,472,755	(6,800)
00036	Kellier - ISO #36	1,509,823	3,444,892	110,822	660,581	18,892	1,884,839	1,884,839	(121,098)	2,164	(2,768)
00038	Red Lake - ISO #38	9,426,548	3,444,892	-	3,444,892	117,949	8,887,297	8,887,297	(123,136)	1,030,960	(145,275)
00047	Sawd Branch - ISO #47	18,275,425	6,678,677	406,347	2,085,024	238,669	16,991,242	16,991,242	(153,505)	81,720	(13,505)
00051	Foley - ISO #51	7,429,646	2,642,044	86,195	2,728,239	50,469	6,631,151	6,631,151	(92,875)	17,239	(75,636)
00075	St Clair - ISO #75	2,388,212	876,416	-	876,416	30,007	2,191,686	2,191,686	(67,724)	(30,869)	(44,334)
00077	Franklin - ISO #77	39,093,499	14,286,547	-	14,286,547	489,153	35,857,294	36,500,386	(302,714)	(30,784)	(53,974)
00081	Conroy Public School ISO #81	757,100	276,679	24,627	301,306	9,473	694,426	703,899	(9,726)	4,526	(4,800)
00084	Springfield - ISO #84	2,280,052	833,235	-	833,235	28,529	2,091,308	2,091,308	(36,941)	2,156,778	(166,679)
00085	Springfield - ISO #85	4,428,846	887,612	49,254	936,866	30,391	2,227,784	2,227,784	(31,202)	9,851	(21,351)
00088	New Ulm - ISO #88	8,621,309	3,150,021	357,093	3,507,714	107,873	7,907,631	8,015,504	(110,753)	71,419	(39,334)
00091	Barnum - ISO #91	2,726,434	996,364	246,271	1,242,635	34,114	2,534,738	(35,025)	49,254	14,229	(174,229)
00093	Cloneton - ISO #93	1,571,091	574,149	-	1,441,035	19,658	1,441,035	1,645,396	(20,183)	(36,941)	(175,124)
00094	Cloneton - ISO #94	11,533,429	4,222,152	-	4,222,152	144,361	10,977,029	10,977,029	(148,421)	(27,090)	(175,511)
00095	Crowell - ISO #95	1,330,395	486,187	73,882	560,069	16,646	1,202,264	1,202,264	(17,091)	14,776	(2,315)
00097	Moose Lake - ISO #97	2,310,666	844,430	28,912	844,430	28,912	2,296,080	2,296,080	(29,684)	(29,684)	(59,237)
00099	Esko - ISO #99	4,643,293	1,696,867	135,449	1,832,306	58,998	4,338,882	4,338,882	(59,648)	1,416,980	(31,559)
00100	Wrentham - ISO #100	1,592,973	582,145	-	582,145	19,932	1,461,105	1,461,105	(20,464)	1,483,037	(20,464)
00108	Central School District - ISO #108	3,347,869	1,223,465	-	1,223,465	41,890	3,070,739	3,070,739	(43,008)	(103,434)	(146,442)
00110	Watsonia - ISO #110	15,443,959	5,693,930	193,241	5,693,930	193,241	14,165,494	15,171,434	(138,400)	(162,539)	(660,939)
00111	Watsonia-Meyer - ISO #111	5,702,318	2,083,888	116,979	2,200,867	71,500	5,300,276	5,300,276	(73,255)	23,966	(49,859)
00112	Eastern Carver County Schools - ISO #112	46,152,449	16,866,218	-	16,866,218	577,478	42,314,918	46,381,819	(3,472,423)	(932,896)	(694,485)
00113	Walker-Hackensack - ISO #113	3,417,890	1,249,053	-	1,249,053	42,766	3,134,954	3,239,287	(43,908)	(12,314)	(56,222)
00115	Cass Lake - ISO #115	6,144,324	2,245,417	-	2,245,417	76,880	5,655,693	5,940,374	(27,801)	(45,560)	(124,493)
00116	Pillsbury - ISO #116	4,271,268	1,560,917	363,250	1,924,167	53,444	3,917,689	3,917,689	(54,871)	72,650	(17,779)
00118	Northland Community Schools - ISO #118	1,864,303	681,302	-	681,302	23,327	1,709,975	1,862,594	(23,950)	(25,859)	(88,809)
00129	Montevideo - ISO #129	6,800,769	2,485,312	-	2,485,312	85,094	6,237,796	6,237,796	(87,366)	(1,231)	(48,597)
00138	North Branch - ISO #138	8,240,717	3,190,604	-	3,190,604	109,242	8,007,927	8,517,415	(400,91)	(12,159)	(80,038)
00139	Rush City - ISO #139	2,945,248	1,076,529	215,487	1,076,529	36,852	2,701,439	2,863,427	(133,136)	(24,627)	(62,463)
00146	Barnesville - ISO #146	3,532,245	1,235,064	-	1,405,551	41,945	3,074,744	3,116,689	(43,665)	43,988	33
00150	Hawley - ISO #150	3,921,164	1,432,973	129,292	1,562,265	49,083	3,965,660	3,965,660	(50,373)	23,859	(24,514)
00152	McIntosh - ISO #152	32,052,014	11,713,773	3,175,406	14,988,679	401,048	29,386,776	29,799,774	(411,795)	655,081	(243,376)
00162	Bagley - ISO #162	3,579,813	1,308,227	-	1,412,892	44,292	3,283,473	3,283,473	(45,988)	20,933	(25,055)
00166	Cook County - ISO #166	2,441,975	892,409	104,072	1,366,481	30,555	2,239,877	2,270,382	(31,371)	94,814	63,443
00173	Mountain Lake - ISO #173	2,087,495	762,866	-	762,866	26,120	1,914,690	1,914,690	(30,784)	4,231,535	(6,157)
00177	Windom - ISO #177	4,551,351	1,663,272	277,095	1,940,327	56,948	4,174,587	4,174,587	(58,469)	55,411	(3,058)
00181	Brainerd - ISO #181	28,060,829	10,254,712	178,547	10,254,712	351,088	25,737,935	26,006,212	(267,275)	(103,434)	(463,917)
00182	Crosby-Fonton - ISO #182	4,096,216	1,496,045	-	1,675,492	51,253	3,757,128	3,808,381	(52,622)	35,709	(16,913)
00186	Pewaukee - ISO #186	6,380,644	2,331,779	277,801	2,559,580	79,837	5,822,287	5,932,287	(81,969)	45,560	(36,409)
00191	Burlington - ISO #191	40,752,096	14,892,682	-	14,892,682	509,906	37,786,610	37,786,610	(4,722,249)	(944,450)	(1,467,971)
00192	Farmington - ISO #192	39,966,662	11,316,647	387,668	11,316,647	387,668	28,870,754	28,870,754	(618,883)	(16,008)	(143,821)
00194	Lakeland - ISO #194	51,089,162	18,667,030	-	18,667,030	639,135	46,851,711	51,511,723	(4,079,377)	(894,075)	(1,660,275)
00195	Lakeland - ISO #195	23,036,666	844,430	-	844,430	28,912	2,119,406	2,119,406	(29,684)	(7,388)	(37,072)
00196	Resourcement-Apache Valley-Egan - ISO #196	143,622,660	56,370,441	3,811,046	56,370,441	1,799,567	131,916,950	131,916,950	(1,847,614)	(672,269)	(1,085,405)
00197	West St Paul - ISO #197	26,340,944	9,626,187	517,169	9,626,187	329,588	24,160,422	24,490,010	(328,588)	103,934	(234,954)
00199	Inver Grove Heights - ISO #199	15,522,733	5,672,717	709,331	5,672,717	194,277	14,431,977	14,431,977	(199,412)	41,866	(157,546)
00200	Hastings - ISO #200	17,513,949	6,400,399	67,724	6,468,123	219,427	16,064,132	16,283,274	(219,147)	13,545	(211,447)
00203	Wayfield - ISO #203	2,757,068	1,007,559	190,860	1,198,419	34,498	2,528,836	2,528,836	(35,419)	38,172	2,753
00204	Kasson-Mantova - ISO #204	7,544,739	2,757,193	-	2,757,193	94,403	6,920,181	7,014,584	(96,923)	17,239	(79,684)
00206	Alexandria - ISO #206	17,592,722	6,429,186	584,894	7,014,080	220,127	16,136,385	16,366,512	(220,127)	116,979	(109,025)
00213	Osakis - ISO #213	3,133,430	1,145,099	135,449	1,280,548	39,207	2,874,043	2,913,250	(40,254)	(27,090)	(13,164)
00227	Chaffee - ISO #227	2,954,002	1,079,528	-	1,079,528	36,962	2,709,468	2,709,468	(172,390)	2,918,820	(34,747)
00229	Lanesboro - ISO #229	1,369,782	500,981	-	500,981	17,139	1,256,390	1,256,390	(17,139)	1,750,529	(17,597)
00238	Maple-Canton - ISO #238	1,115,956	406,392	18,470	406,392	13,963	1,033,549	1,033,549	(14,386)	3,694	(10,643)
00241	Rushford - ISO #241	2,822,713	1,031,549	-	1,031,549	35,319	2,693,047	2,693,047	(67,724)	2,693,047	(49,807)
00242	Alden - ISO #242	15,822,244	5,840,644	-	5,840,644	199,976	14,659,223	15,676,023	(818,652)	(165,770)	(389,085)
00246	Central MN Educ. #246	2,080,603	722,859	30,784	722,859	25,408	1,867,916	1,867,916	(26,086)	105,789	(1,462)
00252	Camden Falls - ISO #252	4,166,237	1,522,534	-	1,522,534	52,130	3,821,353	3,821,353	(197,017)	4,070,500	(39,403)

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, 2021

ID	Entity	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense			
		Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Outflows of Resources	Changes in Proportion	Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Inflows of Resources	Changes in Proportion	Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion		
00253	Goodhue - ISD #253	-	822,040	822,040	-	28,146	2,063,209	2,135,349	-	28,897	18,470	28,897	18,470
00255	Pine Island - ISD #255	5,146,528	-	1,880,777	-	64,895	4,720,495	6,615,920	-	66,115	27,090	66,115	27,090
00256	Red Wing - ISD #256	10,538,128	123,136	3,851,114	-	131,857	9,665,775	14,524,927	-	132,115	53,251	132,115	53,251
00261	Ashby - ISD #261	1,183,461	141,606	555,825	-	14,182	1,039,633	1,633,287	-	14,563	38,821	14,563	38,821
00264	Herman - ISD #264	886,424	67,724	282,030	-	7,338	537,693	1,413,717	-	7,333	13,545	7,333	13,545
00270	Wadena - ISD #270	35,185,444	-	12,898,372	-	440,254	32,277,669	48,173,843	-	440,254	195,174	440,254	195,174
00271	Bloomington - ISD #271	56,817,490	20,763,712	20,763,712	-	710,923	55,114,100	102,584,512	-	710,923	299,331	710,923	299,331
00272	Elm Prairie - ISD #272	41,618,603	-	15,209,343	-	520,749	38,173,387	80,792,990	-	520,749	331,652	520,749	331,652
00273	Edina - ISD #273	42,734,560	15,617,165	394,034	-	534,712	39,196,964	82,352,526	-	534,712	78,807	534,712	78,807
00276	Minnetonka - ISD #276	54,541,814	19,932,076	2,885,847	-	682,449	50,026,806	104,548,653	-	682,449	51,169	682,449	51,169
00277	Westonka - ISD #277	11,203,325	4,094,208	283,212	-	140,180	12,075,907	16,368,815	-	140,180	56,602	140,180	56,602
00278	Waconia - ISD #278	14,078,554	5,144,948	5,144,948	-	176,156	12,913,122	20,188,778	-	176,156	103,434	176,156	103,434
00279	Oseo - ISD #279	101,880,241	37,231,704	37,231,704	-	1,274,766	93,486,525	145,367,249	-	1,274,766	62,800	1,274,766	62,800
00280	Richfield - ISD #280	2,238,179	7,761,403	2,238,179	-	265,741	19,480,068	24,984,248	-	265,741	9,851	265,741	9,851
00281	Robinsdale - ISD #281	59,465,151	21,731,288	21,731,288	-	744,052	58,726,336	110,463,674	-	744,052	45,116	744,052	45,116
00282	Park Rapids - ISD #282	7,680,405	2,806,772	2,806,772	-	96,100	7,484,616	10,281,386	-	96,100	36,941	96,100	36,941
00283	St Cloud Park - ISD #283	33,509,478	8,591,440	8,591,440	-	294,160	21,568,348	42,070,818	-	294,160	16,004	294,160	16,004
00284	Wayzata - ISD #284	60,826,380	2,228,071	1,739,309	-	701,881	55,790,947	112,087,367	-	701,881	35,862	701,881	35,862
00286	Brooklyn Center - ISD #286	9,289,781	3,715,531	151,919	-	122,894	8,979,376	12,969,155	-	122,894	30,784	122,894	30,784
00287	Interim School District #287	23,090,663	8,511,475	8,511,475	-	291,422	21,889,646	29,881,118	-	291,422	10,728	291,422	10,728
00288	Southwest Metro Intermediate District	6,402,525	2,439,776	2,439,776	-	80,111	5,872,520	8,315,096	-	80,111	49,254	80,111	49,254
00294	Houston - ISD #294	7,380,935	2,690,023	1,791,622	-	92,033	6,841,645	9,531,668	-	92,033	263,763	92,033	263,763
00297	Spring Grove - ISD #297	1,597,349	583,745	97,352	-	19,887	1,465,119	2,062,167	-	19,887	18,470	19,887	18,470
00299	Caledonia - ISD #299	2,862,100	1,045,942	35,812	-	51,034	2,625,173	3,911,086	-	51,034	17,239	51,034	17,239
00300	Lacrescent - ISD #300	4,078,711	1,490,548	1,490,548	-	15,034	3,741,172	5,232,346	-	15,034	48,023	15,034	48,023
00306	Laporte - ISD #306	1,229,740	449,403	449,403	-	27,981	1,172,941	1,615,342	-	27,981	19,702	27,981	19,702
00308	Niles - ISD #308	2,236,289	817,242	2,236,289	-	15,716	2,051,167	2,768,383	-	15,716	43,698	15,716	43,698
00309	Park Rapids - ISD #309	6,576,248	2,330,800	2,330,800	-	79,782	5,848,436	8,187,218	-	79,782	81,913	79,782	81,913
00314	Brabant - ISD #314	2,503,343	914,800	914,800	-	31,322	2,986,023	3,901,825	-	31,322	12,000	31,322	12,000
00316	Greenway Schools - ISD #316	4,131,226	1,509,739	1,509,739	-	51,699	3,681,490	5,181,235	-	51,699	4,260	51,699	4,260
00317	Deer River - ISD #317	4,441,943	1,623,290	1,623,290	-	55,579	4,129,815	5,753,110	-	55,579	29,533	55,579	29,533
00318	Grand Rapids - ISD #318	17,776,527	6,496,357	6,496,357	-	222,827	16,304,974	24,201,851	-	222,827	28,321	222,827	28,321
00319	Nashwaubee-Keweenaw - ISD #319	2,455,104	897,207	897,207	-	30,719	2,251,869	3,149,088	-	30,719	13,539	30,719	13,539
00330	Heron Lake-Oaklands - ISD #330	1,255,998	458,999	458,999	-	15,716	1,152,073	1,613,815	-	15,716	2,463	15,716	2,463
00332	Mora - ISD #332	6,494,428	2,373,361	2,373,361	-	81,261	5,956,815	8,309,626	-	81,261	83,430	81,261	83,430
00333	Ogish - ISD #333	1,886,185	689,298	689,298	-	23,601	1,753,646	2,442,944	-	23,601	9,851	23,601	9,851
00345	New London-Spicer - ISD #345	6,420,031	2,346,173	55,411	-	80,330	5,888,576	8,234,707	-	80,330	11,082	80,330	11,082
00347	Willmar - ISD #347	18,472,938	6,750,655	6,750,655	-	231,134	16,043,204	25,226,133	-	231,134	80,038	231,134	80,038
00356	Lancaster - ISD #356	844,626	308,665	308,665	-	10,568	730,932	1,041,594	-	10,568	12,314	10,568	12,314
00361	International Falls - ISD #361	4,034,946	1,474,555	1,474,555	-	50,487	3,751,419	5,225,914	-	50,487	6,157	50,487	6,157
00362	Litellack - Big Falls - ISD #362	1,189,106	438,708	438,708	-	15,004	1,099,843	1,538,647	-	15,004	1,231	15,004	1,231
00363	So Koochiching-Busy River - ISD #363	1,588,697	580,546	580,546	-	19,877	1,457,691	2,038,387	-	19,877	20,488	19,877	20,488
00378	Dawson - ISD #378	2,481,362	906,833	160,076	-	31,048	2,275,953	3,187,877	-	31,048	32,015	31,048	32,015
00381	Lake Superior - ISD #381	6,476,923	2,365,964	166,233	-	81,042	5,949,758	8,318,700	-	81,042	33,247	81,042	33,247
00382	Northwest Reg. Inland Council #382	512,027	157,118	43,097	-	6,407	469,641	621,738	-	6,407	8,620	6,407	8,620
00390	Lake of the Woods - ISD #390	1,824,917	666,908	666,908	-	22,834	1,678,849	2,347,757	-	22,834	23,444	22,834	23,444
00391	Cleveland - ISD #391	1,894,937	692,497	184,703	-	23,710	1,738,073	2,587,470	-	23,710	36,941	23,710	36,941
00397	Lake Agassiz Spec Ed Coop #397	792,110	289,473	289,473	-	9,911	726,539	1,016,012	-	9,911	12,481	9,911	12,481
00398	Midwest Spec Ed Coop #398	971,538	355,045	61,567	-	12,156	891,114	1,236,673	-	12,156	12,314	12,156	12,314
00402	Hendricks - ISD #402	818,368	299,069	299,069	-	10,240	750,623	1,049,692	-	10,240	10,513	10,240	10,513
00403	Ivanhoe - ISD #403	319,470	116,749	61,527	-	3,997	293,024	408,021	-	3,997	1,231	3,997	1,231
00404	Lake Benton - ISD #404	503,274	183,920	24,627	-	6,297	461,613	647,910	-	6,297	4,926	6,297	4,926
00413	Marshall - ISD #413	11,658,461	4,260,535	145,975	-	145,975	10,661,961	14,922,436	-	145,975	154,696	145,975	154,696
00414	Minnetonka - ISD #414	1,886,185	689,988	689,988	-	23,601	1,740,045	2,426,033	-	23,601	7,888	23,601	7,888
00415	Lynd - ISD #415	783,358	285,273	43,097	-	9,892	718,511	1,003,808	-	9,892	8,620	9,892	8,620
00423	Hutchinson - ISD #423	10,923,242	3,991,653	4,829,974	-	136,676	10,019,009	14,849,185	-	136,676	14,445	136,676	14,445
00424	Lester Prairie - ISD #424	1,636,736	598,138	61,567	-	20,719	1,501,246	2,128,005	-	20,719	12,314	20,719	12,314
00432	Mahnomen - ISD #432	2,927,744	1,069,932	36,633	-	3,633	2,885,348	3,913,017	-	3,633	37,611	3,633	37,611
00435	Waubesa - ISD #435	2,980,260	1,089,123	98,508	-	1,872,631	2,733,552	3,816,183	-	1,872,631	19,702	1,872,631	19,702
00441	Marshall County Central - ISD #441	7,801,884	318,261	21,794	-	10,897	7,988,791	10,778,582	-	10,897	4,926	10,897	4,926
00447	Grigula - ISD #447	1,741,767	636,321	24,627	-	66,148	1,597,182	2,163,376	-	66,148	17,450	66,148	17,450
00458	Truman - ISD #458	1,146,590	419,017	135,449	-	554,466	1,051,675	1,606,022	-	554,466	27,090	554,466	27,090
00463	Eden Valley - Workins - ISD #463	3,277,848	1,197,876	41,014	-	41,014	3,066,505	4,264,381	-	41,014	32,015	41,014	32,015
00465	Litchfield - ISD #465	5,754,833	2,103,080	2,103,080	-	72,007	5,278,444	7,381,488	-	72,007	27,090	72,007	27,090
00466	Dassel-Colton - ISD #466	8,328,097	3,043,468	80,038	-	104,204	7,284,691	10,369,389	-	104,204	16,004	104,204	16,004
00473	Ike - ISD #473	1,658,617	606,135	606,135	-	20,763	1,521,316	2,137,632	-	20,763	3,008	20,763	3,008
00477	Princeton - ISD #477	12,022,431	4,532,416	155,184	-	11,735,750	11,735,750	16,270,496	-	11,735,750	19,327	11,735,750	19,327
00480	Onamia - ISD #480	3,059,033	1,117,911	382,76	-								

Teachers Retirement Association
 Schedule of Pension Amounts By Entity
 Current Reporting Period Only
 As of and For the Year Ended June 30, 2021

ID	Entity	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense			
		Difference Between Expected and Actual Experience	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	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		
00487	Upsala - ISO #487	-	-	502,180	80,038	582,218	17,194	1,260,404	-	1,777,598	17,653	16,008	(1,645)
00492	Aurora - ISO #492	-	-	21,894,624	-	21,894,624	-	20,982,172	-	21,051,842	(281,269)	(139,143)	(420,412)
00495	Grand Meadow - ISO #495	-	-	1,772,401	-	1,772,401	-	1,625,681	-	1,624,799	(7,388)	(30,157)	(40,157)
00497	Libe - ISO #497	-	-	385,631	48,254	434,685	13,197	867,380	-	866,577	(13,549)	9,851	(1,688)
00499	LeRoy - ISO #499	-	-	1,164,056	110,822	1,274,878	14,566	1,667,771	-	1,662,797	(14,955)	27,164	7,209
00500	Southland - ISO #500	-	-	1,536,081	-	1,536,081	19,220	1,408,923	-	1,406,690	(19,733)	(95,709)	(15,442)
00505	Fulda - ISO #505	-	-	1,592,973	160,076	1,753,049	19,932	1,461,105	-	1,481,037	(20,464)	37,015	11,551
00507	Nicollet - ISO #507	-	-	505,379	-	505,379	17,304	1,238,432	-	1,238,833	(17,766)	(6,620)	(16,386)
00508	St Peter - ISO #508	-	-	3,280,164	18,470	3,298,634	112,309	8,237,767	-	8,245,076	(115,307)	3,694	(111,613)
00511	Adrian - ISO #511	-	-	2,039,355	745,274	2,784,629	25,517	1,890,536	-	1,895,053	(6,799)	35,709	9,510
00514	Elkworth - ISO #514	-	-	249,491	-	249,491	8,562	626,188	-	627,244	(70,454)	(13,545)	(12,315)
00518	Worthington - ISO #518	-	-	5,112,962	172,390	5,285,352	175,061	12,832,841	-	13,007,902	(179,735)	34,778	(145,257)
00531	Byron - ISO #531	-	-	2,880,339	369,407	3,249,746	98,619	7,229,261	-	7,327,880	(101,252)	73,881	(27,371)
00533	Dover-Eyota - ISO #533	-	-	1,520,934	-	1,520,934	52,075	3,817,339	-	3,817,884	(53,465)	(7,159)	(57,159)
00534	Stowelle - ISO #534	-	-	2,435,332	18,470	2,453,802	93,034	6,819,830	-	6,812,864	(69,518)	3,694	(91,824)
00535	Recheater - ISO #535	-	-	81,377,280	-	81,377,280	1,018,225	74,640,813	-	75,659,038	(1,018,225)	17,739	(1,018,172)
00542	Battle Lake Public Schools - ISO #542	-	-	1,798,659	166,233	1,964,892	22,506	1,649,765	-	1,672,771	(23,108)	33,947	10,141
00545	Fergus Falls - ISO #545	-	-	3,021,725	418,661	3,440,386	125,996	9,192,120	-	9,317,516	(128,744)	83,732	(65,012)
00545	Heming - ISO #545	-	-	1,457,308	-	1,457,308	18,234	1,336,671	-	1,336,671	(18,271)	(13,545)	(14,266)
00547	Parsons Prairie - ISO #547	-	-	822,040	283,212	1,105,252	28,146	2,065,209	-	2,091,355	(28,897)	56,642	27,745
00548	Pelican Rapids - ISO #548	-	-	1,157,893	-	1,157,893	39,645	2,906,155	-	2,981,249	(40,703)	(27,090)	(67,793)
00549	Adrian - ISO #549	-	-	2,189,442	190,860	2,380,302	74,964	5,495,202	-	5,570,166	(76,965)	38,172	(38,793)
00550	Underwood - ISO #550	-	-	2,026,226	92,362	2,118,588	25,353	1,883,847	-	1,883,847	(26,030)	18,470	(7,560)
00553	New York Mills - ISO #553	-	-	2,476,985	905,204	3,382,189	30,993	2,271,939	-	2,302,932	(13,821)	13,545	(18,276)
00556	Goodridge - ISO #556	-	-	356,644	43,097	399,741	12,211	895,128	-	907,339	(12,537)	8,620	(3,917)
00564	Thief River Falls Public Schools #564	-	-	2,781,183	43,097	2,824,280	95,224	6,980,391	-	7,100,242	(97,767)	24,627	(102,693)
00577	Willow River - ISO #577	-	-	1,772,401	12,313	1,784,714	22,177	1,647,681	-	1,647,858	(22,769)	2,463	(20,306)
00578	Pine City - ISO #578	-	-	2,325,382	-	2,325,382	29,618	5,836,394	-	6,082,245	(81,744)	(33,242)	(114,991)
00581	Edgerton - ISO #581	-	-	665,309	55,411	720,720	27,779	1,669,614	-	1,669,614	(23,888)	11,882	(12,906)
00592	Climax - ISO #592	-	-	377,652	24,627	402,279	11,554	846,959	-	848,513	(1,662)	4,926	(6,396)
00593	Crookston - ISO #593	-	-	1,656,875	56,729	1,713,604	56,729	4,246,044	-	4,246,044	(58,244)	(61,517)	(64,401)
00595	East Grand Forks - ISO #595	-	-	2,611,657	89,220	2,700,877	17,084	6,594,904	-	6,590,395	(19,807)	(49,259)	(141,061)
00599	Fertile-Bertram - ISO #599	-	-	702,693	-	702,693	24,039	1,762,157	-	1,804,666	(24,681)	(3,694)	(28,375)
00600	Fisher - ISO #600	-	-	436,609	14,949	451,558	14,949	1,095,879	-	1,123,091	(15,348)	(17,811)	(17,811)
00601	Fontana - ISO #601	-	-	905,204	30,993	936,197	30,993	2,271,939	-	2,271,939	(13,821)	(43,098)	(74,919)
00621	Mounds View - ISO #621	-	-	18,794,974	643,516	19,438,490	643,516	47,177,834	-	49,133,901	(2,635,100)	(924,210)	(3,559,310)
00622	North St Paul-Maplewood - ISO #622	-	-	17,678,966	800,381	18,479,347	605,295	44,371,043	-	44,976,338	(621,456)	(60,076)	(461,880)
00623	Roseville - ISO #623	-	-	13,259,296	86,195	13,345,491	453,999	33,280,290	-	33,734,289	(448,881)	(488,881)	(488,881)
00624	White Bear Lake - ISO #624	-	-	15,391,663	363,250	15,754,913	526,991	38,630,986	-	39,157,977	(541,061)	(74,650)	(468,411)
00630	Beal Lake - ISO #630	-	-	681,302	197,017	878,319	23,327	1,709,975	-	1,733,302	(23,990)	39,403	15,453
00635	Milroy - ISO #635	-	-	100,756	-	100,756	3,490	252,884	-	252,884	(3,542)	(11,882)	(14,620)
00640	Wabasso - ISO #640	-	-	699,333	12,313	711,646	20,863	1,529,344	-	1,529,344	(21,428)	2,463	(18,957)
00646	Farmburg - ISO #646	-	-	6,227,674	504,836	6,732,510	213,228	15,630,617	-	15,843,845	(218,921)	(100,971)	(117,950)
00659	Northfield - ISO #659	-	-	6,988,554	3,749,478	10,738,032	238,252	17,062,077	-	17,062,077	(24,613)	(79,996)	(505,283)
00671	Hwy-Beaver Creek - ISO #671	-	-	498,387	36,941	535,328	17,084	1,252,376	-	1,269,480	(17,541)	7,388	(10,153)
00676	Balger - ISO #676	-	-	403,024	-	403,024	13,799	1,011,535	-	1,043,804	(14,167)	(3,694)	(7,861)
00682	Roseau - ISO #682	-	-	1,602,699	43,097	1,645,796	54,868	4,022,054	-	4,076,922	(56,332)	8,620	(47,712)
00690	Warroad - ISO #690	-	-	1,588,105	123,136	1,711,241	54,375	3,983,928	-	4,040,303	(55,826)	24,627	(31,199)
00695	Chisholm - ISO #695	-	-	985,169	33,721	1,018,890	33,721	2,472,640	-	2,472,640	(27,548)	8,620	(18,928)
00696	Ely - ISO #696	-	-	783,657	43,097	826,754	26,831	1,966,873	-	1,993,704	(27,548)	8,620	(18,928)
00698	Floodwood - ISO #698	-	-	327,857	43,097	370,954	11,225	822,875	-	846,413	(11,529)	(2,463)	(13,988)
00700	Hermantown - ISO #700	-	-	2,707,615	135,449	2,843,064	92,705	6,795,746	-	6,888,451	(95,180)	27,090	(68,090)
00701	Hibbing - ISO #701	-	-	3,523,528	61,567	3,585,095	120,632	8,842,899	-	8,963,531	(123,853)	12,314	(111,539)
00704	Proctor - ISO #704	-	-	2,825,963	-	2,825,963	36,757	7,092,784	-	7,129,541	(99,341)	(9,851)	(109,192)
00706	Virginia - ISO #706	-	-	1,599	-	1,599	55	4,014	-	4,014	(56)	(2,463)	(2,463)
00707	Wet Lake - ISO #707	-	-	389,491	36,941	426,432	48,733	957,248	-	957,248	(5,004)	7,388	(2,384)
00709	DuSoy - ISO #709	-	-	15,083,873	-	15,083,873	447,275	32,838,747	-	33,853,145	(459,998)	(113,285)	(573,221)
00712	Mountain Iron-Buhl - ISO #712	-	-	809,246	123,136	932,382	27,708	2,091,997	-	2,098,805	(28,477)	24,627	(3,820)
00716	Bellevue - ISO #716	-	-	1,949,547	-	1,949,547	66,750	4,893,098	-	4,972,161	(68,532)	(2,463)	(70,995)
00717	Jordan - ISO #717	-	-	2,838,758	97,195	2,935,953	97,195	7,124,964	-	7,263,679	(99,791)	(28,321)	(128,112)
00719	Pringle - ISO #719	-	-	12,919,145	442,335	13,361,480	442,335	32,065,302	-	33,680,332	(454,145)	(162,639)	(616,849)
00720	Shokopee - ISO #720	-	-	1,773,609	270,898	2,044,507	437,352	32,065,302	-	32,497,378	(449,029)	54,180	(394,849)
00721	New Prague - ISO #721	-	-	6,430,785	338,622	6,769,407	220,182	16,140,399	-	16,360,533	(220,182)	67,725	(158,336)
00726	Becker - ISO #726	-	-	4,110,201	140,728	4,250,929	140,728	10,918,533	-	11,069,261	(144,485)	(92,952)	(236,837)
00727	Big Lake - ISO #727	-	-	4,217,842	140,619	4,358,461	140,619	10,908,019	-	11,048,638	(144,373)	22,164	(122,209)
00728	Elk River - ISO #728	-	-	19,098,841	933,517	20,032,358	653,920	47,935,498	-	48,589,418	(671,370)	184,703	(886,676)
00738	Holdingford - ISO #738	-	-	1,284,238	30,784	1,315,022	43,971	3,272,263	-	3,272,263	(45,145)	6,157	(38,988)
00739	Kimball - ISO #739	-	-	2,603,886	-	2,603,886	32,381	2,388,345	-	2,388,345	(33,451)	(37,145)	(70,590)
00740	Wadena - ISO #740	-	-	1,815,266	116,979	1,932,245	62,150	4,555,500	-	4,618,010	(53,810)	23,994	(40,414)
00741	Paynesville - ISO #741	-	-	1,511,339	-	1,511,339	151,746	3,993,255	-	3,993,255	(53,128)	34,778	(18,650)
00742	St Cloud - ISO #742	-	-	17,868,979	160,076	18,029,055	611,811	44,848,712	-	45,460,523	(628,146)	32,015	(596,131)
00743	Sauk Centre - ISO #743	-	-	4,726,403	400,191	5,126,594	59,						

Teachers Retirement Association
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ID	Entity	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense			
		Net Pension Liability	Difference Between Expected and Actual Experience	Changes in Assumptions	Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Changes in Assumptions	Proportion	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	
00745	Albany - ISO #745	7,715,413	-	2,819,566	36,941	2,856,507	96,538	7,076,728	-	7,173,266	(99,118)	7,888	(91,728)
00748	Sarcel - ISO #748	15,772,482	-	5,763,877	800,381	6,564,258	197,248	800,381	14,663,880	(202,617)	14,663,880	(42,541)	(202,617)
00750	Beccol - ISO #750	8,371,860	-	3,059,461	166,233	3,225,694	104,752	7,678,583	-	7,853,584	(107,549)	33,247	(74,302)
00756	Bloomington Prairie - ISO #756	3,495,985	-	1,255,651	141,666	1,397,307	42,885	3,151,017	-	3,151,017	(44,133)	38,821	(5,813)
00761	Ontonagon - ISO #761	3,178,221	-	7,812,381	-	2,673,693	19,608,517	-	535,640	20,411,650	(774,633)	(107,128)	(881,763)
00763	Medford - ISO #763	3,190,322	-	1,165,890	30,784	1,196,674	39,919	2,966,184	-	2,966,184	(40,984)	6,157	(34,827)
00768	Hancock - ISO #768	1,514,199	-	553,538	160,076	713,434	18,946	1,388,853	-	1,407,799	(19,452)	32,015	(12,563)
00771	Chokio-Alberta - ISO #771	827,121	-	302,268	10,349	302,268	10,349	758,651	-	1,026,629	(12,311)	(11,857)	(11,857)
00775	Kerkowen-Murlock-Sumburg - ISO #775	2,796,645	-	1,021,563	752,427	1,021,563	34,990	2,564,963	-	2,599,953	(59,925)	50,486	(14,561)
00777	Benson - ISO #777	3,094,043	-	1,130,705	38,714	1,130,705	38,714	2,847,916	-	2,847,916	(37,748)	(13,545)	(53,293)
00786	Bertha-Hewitt - ISO #786	1,943,077	-	710,089	84,655	844,544	24,313	1,782,228	-	1,806,541	(24,962)	20,933	(4,029)
00787	Browerville - ISO #787	2,214,407	-	809,246	106,965	809,246	27,708	2,031,097	-	2,058,805	(28,447)	17,239	(11,208)
00801	Browns Valley - ISO #801	783,358	-	286,275	55,411	341,686	9,802	718,511	-	718,511	(10,063)	11,882	(1,019)
00803	Whitman - ISO #803	1,649,865	-	602,936	30,784	633,720	20,644	1,513,288	-	1,513,288	(21,952)	6,657	(15,038)
00811	Wabasha-Kellogg - ISO #811	3,010,894	-	1,100,318	504,856	1,405,174	37,674	2,761,650	-	2,799,324	(38,679)	100,971	(62,292)
00813	Lake City - ISO #813	4,708,898	-	1,720,847	55,411	1,776,258	58,920	4,319,092	-	4,319,092	(60,493)	11,882	(69,411)
00815	Prinsburg - ISO #815	135,665	-	49,578	-	1,697	1,697	104,435	-	104,435	(1,743)	(17,483)	(12,835)
00818	Vermillion - ISO #818	1,964,958	-	718,086	24,586	718,086	24,586	1,802,298	-	1,845,354	(25,243)	(3,684)	(28,937)
00820	Saksela - ISO #820	1,973,711	-	721,284	24,696	721,284	24,696	1,510,376	-	1,595,098	(25,355)	(32,015)	(57,370)
00821	Manalga - ISO #821	3,951,632	-	1,239,458	42,437	1,239,458	42,437	3,110,870	-	3,153,307	(43,571)	-	(43,571)
00829	Vascon - ISO #829	7,969,240	-	2,912,325	172,390	3,084,715	99,714	7,309,541	-	7,409,255	(102,377)	34,478	(67,899)
00831	Forest Lake - ISO #831	24,951,734	-	9,080,035	184,703	9,244,738	310,204	22,739,457	-	23,049,661	(318,486)	36,941	(318,486)
00832	Mahomet - ISO #832	13,776,589	-	5,034,596	24,627	5,034,596	172,378	12,656,154	-	12,808,532	(176,981)	4,926	(172,055)
00833	South Washington County - ISO #833	89,845,418	-	32,833,629	3,694,026	36,527,696	1,124,182	82,407,954	-	83,532,136	(1,154,197)	738,813	(415,384)
00834	Shilwater - ISO #834	36,380,174	-	13,294,981	3,429,326	16,724,307	455,203	33,823,801	-	33,823,801	(467,357)	685,865	(218,508)
00836	Butterfield - ISO #836	1,076,570	-	393,428	18,470	411,898	13,470	987,450	-	1,000,920	(3,830)	3,694	(10,136)
00837	Madelia - ISO #837	2,271,299	-	830,037	18,470	830,037	28,419	2,088,279	-	2,154,795	(29,178)	(8,620)	(37,798)
00840	St James - ISO #840	4,091,840	-	1,495,346	51,199	1,495,346	51,199	3,753,114	-	3,804,313	(52,566)	(52,566)	(52,566)
00846	Breckenridge - ISO #846	2,469,114	-	910,002	-	910,002	91,989	2,983,981	-	2,983,981	(31,889)	(39,003)	(71,392)
00850	Rothsay - ISO #850	903,516	-	329,456	11,280	329,456	11,280	2,668,880	-	2,668,880	(26,888)	(26,888)	(26,888)
00852	Cambridge Saint - ISO #852	643,516	-	235,097	8,099	235,097	8,099	590,602	-	635,052	(12,864)	(7,388)	(15,452)
00857	Lewiston - ISO #857	3,059,033	-	1,117,911	80,038	1,197,949	38,278	2,805,804	-	2,844,080	(39,298)	16,008	(23,290)
00858	St Charles - ISO #858	4,061,205	-	1,484,150	50,815	1,484,150	50,815	3,725,016	-	3,725,016	(52,172)	(2,463)	(54,635)
00861	Winona Area Public Schools - ISO #861	12,468,076	-	4,556,406	156,006	4,556,406	156,006	11,435,960	-	11,435,960	(160,171)	(107,128)	(267,299)
00876	Annandale - ISO #876	7,702,286	-	2,814,768	412,504	2,814,768	96,374	7,064,686	-	7,161,060	(98,947)	82,501	(16,446)
00877	Buffalo - ISO #877	22,524,811	-	8,231,597	18,470	8,231,597	281,839	20,942,031	-	20,942,031	(38,364)	3,694	(38,364)
00879	Delano - ISO #879	9,111,455	-	3,329,743	114,006	3,329,743	114,006	8,375,950	-	8,375,950	(107,050)	(169,998)	(169,998)
00881	Maple Lake - ISO #881	3,137,806	-	1,146,698	172,390	1,319,088	39,261	2,878,057	-	2,917,318	(40,310)	34,478	(5,832)
00882	Monticello - ISO #882	20,100,341	-	7,345,985	147,762	7,345,985	251,603	18,456,421	-	18,687,924	(231,503)	86,195	(172,023)
00883	Rosford - ISO #883	6,244,974	-	2,282,201	140,762	2,282,201	78,140	5,728,015	-	5,806,155	(80,226)	29,533	(50,673)
00885	St Michael - ISO #885	26,148,387	-	9,555,818	843,478	10,399,296	327,179	23,983,806	-	24,310,984	(326,915)	168,696	(167,219)
00891	Gandy - ISO #891	2,039,603	-	742,075	-	742,075	25,088	1,868,508	-	1,868,508	(26,088)	(26,088)	(26,088)
00911	Cambridge Saint - ISO #911	1,667,119	-	645,674	221,038	645,674	221,038	1,624,023	-	1,749,642	(125,623)	(243,809)	(243,809)
00912	Wileca - ISO #912	1,255,904	-	2,651,639	90,789	2,651,639	90,789	6,655,255	-	7,164,705	(83,742)	(83,742)	(176,945)
00914	Ulen - Hittered - ISO #914	1,264,750	-	462,198	15,825	462,198	15,825	1,160,054	-	1,217,870	(16,248)	(7,388)	(23,636)
00915	Southern Plains #915	1,969,335	-	719,685	24,641	719,685	24,641	1,806,312	-	1,941,775	(25,299)	(22,164)	(47,463)
00916	NE Metro Intern School Dist. #916	18,135,383	-	6,627,899	535,640	7,163,139	226,917	16,634,124	-	16,861,041	(226,917)	107,128	(125,848)
00917	Metro Intern School District #917	12,485,581	-	4,562,803	1,305,237	4,562,803	156,225	11,452,016	-	11,608,241	(160,396)	26,007	(100,651)
00920	South Central Serv Coop #920	752,723	-	275,080	129,292	404,372	9,418	690,412	-	699,830	(6,700)	25,859	(16,189)
00921	South Central Serv Coop #921	1,098,451	-	401,424	147,762	549,186	13,744	1,007,521	-	1,021,265	(14,111)	29,533	(15,442)
00922	South Central Serv Coop #922	477,017	-	174,324	174,324	5,969	477,017	477,017	-	511,222	(6,128)	(33,545)	(39,673)
00923	North Central Serv Coop #923	1,076,570	-	393,428	33,470	393,428	13,470	987,450	-	1,021,265	(33,815)	15,442	(18,373)
00924	North Central Serv Coop #924	1,579,844	-	577,347	80,038	657,385	19,768	1,449,063	-	1,448,831	(20,295)	16,008	(4,287)
00935	Sourcewell Technology #935	415,748	-	151,934	5,202	151,934	5,202	3,373,638	-	3,373,638	(39,403)	39,403	(39,403)
00936	Lakes County serv Coop #936	2,061,237	-	733,270	147,762	901,032	25,971	1,896,606	-	1,916,397	(26,480)	29,533	(3,073)
00927	Northwest Service Coop #927	437,630	-	159,590	6,157	159,590	5,276	401,403	-	406,879	(5,622)	1,231	(4,391)
00928	Northwest MN Service Co-op #928	1,002,172	-	366,240	-	366,240	12,540	919,212	-	1,067,201	(12,874)	(27,990)	(39,964)
00935	Fergus Falls Spec Ed Coop #935	1,304,137	-	476,991	16,118	476,991	16,118	1,196,180	-	1,311,006	(16,754)	(19,702)	(36,456)
00938	Mesker & Wright Spec Ed Coop #938	3,120,301	-	1,140,301	39,042	1,140,301	39,042	2,862,001	-	2,950,297	(40,885)	(9,851)	(49,936)
00966	Wright Technical Ctr #966	1,159,719	-	423,815	18,470	423,815	14,511	1,063,717	-	1,078,228	(14,898)	(3,694)	(11,204)
00978	MN Valley Coop Ctr #978	1,203,482	-	439,808	153,919	593,727	15,058	1,103,857	-	1,118,915	(15,461)	30,784	(15,323)
00985	Pine to Prairie Coop Ctr #985	70,021	-	25,589	876	25,589	876	64,224	-	65,100	(900)	(900)	(900)
00991	SW/W Central Service Cooperative #991	9,938,575	-	3,632,010	320,152	3,632,010	124,955	9,115,833	-	9,115,833	(812,695)	10,052,903	(490,215)
00997	AW Special Educ. Coop. #997	1,439,802	-	526,170	846,322	846,322	18,015	1,320,615	-	1,320,615	(17,676)	64,031	(64,031)
00998	Bondell Reg Interdistrict Council #998	2,617,027	-	956,881	3,745	2,400,388	2,400,388	2,400,388	-	2,400,388	(2,400,388)	(2,400,388)	(2,400,388)
00701	Lake Crystal-Walkers Memorial ISO #701	3,627,952	-	1,325,820	197,017	1,522,837	45,904	3,373,638	-	3,373,638	(46,696)	39,403	(7,203)
02135	Triton Schools - ISO #2135	3,943,045	-	1,440,869	61,567	1,440,869	49,337	3,656,974	-	3,656,974	(50,654)	(50,654)	(50,654)
02134	United South Central - ISO #2134	3,188,440	-	1,157,893	3,188,440	3,188,440	39,645	2,945,800	-	2,945,			

Teachers Retirement Association
 Schedule of Pension Amounts By Entity
 Current Reporting Period Only
 As of and For the Year Ended June 30, 2021

ID	Entity	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense			
		Difference Between Expected and Actual Experience	Changes in Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	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		
02144	Chicago Lakes Area - ISD #2144	-	4,681,151	-	160,277	-	11,749,054	-	357,093	12,266,424	(164,556)	(71,419)	(235,975)
02149	Minnesota Area - ISD #2149	-	1,992,278	-	68,228	-	70,050	-	36,941	5,106,645	(6,288)	(77,488)	(17,438)
02155	Wadena-Beet Creek - ISD #2155	-	1,484,150	-	50,815	-	3,725,016	-	3,725,016	3,725,016	(52,172)	48,023	(4,149)
02159	Bud Lake-Hector - ISD #2159	-	783,657	-	26,831	-	1,986,873	-	135,449	2,128,153	(27,548)	(27,980)	(54,638)
02164	Dhondt-Spivakov-Fetion - ISD #2164	-	2,219,828	-	70,004	-	5,711,468	-	417,504	6,659,976	(78,033)	(82,501)	(160,534)
02185	Hindrich-Timmonson - ISD #2185	-	1,479,353	-	50,551	-	3,710,974	-	52,004	3,763,625	(30,784)	(21,220)	(8,565)
02167	Lakewood - ISD #2167	-	954,282	-	32,691	-	2,429,085	-	2,429,085	2,429,085	(33,563)	(46,527)	(81,936)
02168	NRHEG - ISD #2168	-	1,124,308	-	38,495	-	2,821,860	-	240,114	3,100,469	(39,523)	(48,023)	(87,546)
02169	Murray County Central - ISD #2169	-	1,036,346	-	35,483	-	2,601,089	-	6,157	2,647,779	(56,431)	(1,231)	(37,662)
02170	Staples-Mooley - ISD #2170	-	1,351,409	-	46,271	-	3,311,852	-	277,055	3,715,178	(47,506)	(55,411)	(102,917)
02171	Kittson Central - ISD #2171	-	1,299,761	-	16,263	-	1,192,166	-	1,208,429	1,208,429	(16,697)	(18,470)	(1,773)
02172	Kennon-Wanamingo - ISD #2172	-	957,981	-	32,800	-	2,404,402	-	215,487	2,652,689	(33,676)	(43,098)	(76,774)
02174	Pine River-Backus - ISD #2174	-	1,375,398	-	47,092	-	3,452,062	-	92,352	3,591,506	(48,349)	(18,470)	(66,819)
02176	Warren-Abnash-Odo - ISD #2176	-	804,448	-	27,643	-	2,019,055	-	-	2,046,598	(28,279)	59,105	(30,826)
02180	MACCAW - ISD #2180	-	1,130,205	-	38,714	-	2,837,916	-	6,157	2,882,787	(1,231)	(39,748)	(40,979)
02184	Loonier - ISD #2184	-	1,915,961	-	65,600	-	4,874,403	-	-	4,874,403	(67,953)	8,620	(58,732)
02190	Yellow Medicine East - ISD #2190	-	827,554	-	28,091	-	2,059,195	-	-	2,087,286	(28,843)	7,463	(21,380)
02198	Filmore Central - ISD #2198	-	857,225	-	29,530	-	2,151,518	-	61,567	2,242,435	(50,134)	(23,314)	(27,448)
02215	Norman County East - ISD #2215	-	466,996	-	15,989	-	1,172,096	-	67,724	1,255,809	(16,416)	(13,545)	(29,961)
02310	Sibley East - ISD #2310	-	1,468,157	-	50,268	-	3,684,876	-	30,784	3,765,928	(51,610)	(61,577)	(113,191)
02311	Clearbrook-Gonick - ISD #2311	-	1,759,272	-	22,013	-	1,613,638	-	-	1,635,651	(22,600)	16,008	(6,592)
02342	West Central Area - ISD #2342	-	1,244,255	-	140,488	-	3,122,912	-	-	3,165,514	(43,739)	33,247	(10,487)
02358	Tri-County - ISD #2358	-	331,055	-	11,335	-	820,903	-	-	820,903	(11,638)	8,620	(3,018)
02364	Belgrade-Brookton-Etross - ISD #2364	-	1,511,996	-	917,998	-	3,143,111	-	2,305,482	3,270,144	(32,270)	19,702	(12,568)
02365	Gilbourn-Fairfax-Winthrop - ISD #2365	-	962,779	-	32,964	-	2,416,444	-	141,606	2,591,014	(33,844)	(28,321)	(62,165)
02396	Alvator-Cosmos-Grove City - ISD #2396	-	1,306,628	-	44,737	-	3,279,459	-	-	3,324,196	(45,932)	23,996	(21,936)
02397	Le Sueur-Henderson - ISD #2397	-	1,289,036	-	44,135	-	3,235,305	-	18,470	3,297,910	(45,313)	(3,694)	(49,007)
02448	Marble County West - ISD #2448	-	993,165	-	34,005	-	2,482,710	-	80,048	2,606,753	(44,913)	(16,008)	(60,921)
02527	Norman County West - ISD #2527	-	147,136	-	5,038	-	369,280	-	-	369,280	(5,172)	17,900	(12,728)
02534	BOD - ISD #2534	-	815,643	-	27,927	-	2,001,153	-	92,352	2,167,432	(28,672)	(88,700)	(61,028)
02536	Granada-Huntley-E Chain - ISD #2536	-	403,024	-	13,799	-	1,025,334	-	-	1,025,334	(14,167)	17,239	3,072
02580	Granville-Huntley - ISD #2580	-	1,092,322	-	37,400	-	2,741,980	-	-	2,741,980	(38,998)	23,996	(15,002)
02609	Win-F-Mac - ISD #2609	-	1,636,756	-	20,479	-	1,501,246	-	-	1,521,725	(21,026)	3,694	(17,332)
02683	Greenbush-Middle River - ISD #2683	-	1,247,245	-	45,801	-	1,178,073	-	18,470	1,178,073	(16,023)	(3,694)	(19,717)
02687	Wadena-Lake-Waverly-Winnet - ISD #2687	-	1,805,510	-	61,822	-	4,531,835	-	-	4,593,657	(63,472)	65,762	1,790
02689	Pipestone Area Schools - ISD #2689	-	1,503,342	-	51,473	-	3,956,567	-	98,508	3,923,165	(52,847)	(19,702)	(72,549)
02711	Mesaiah East - ISD #2711	-	1,432,973	-	40,063	-	3,956,567	-	-	3,645,630	(60,379)	61,668	(11,739)
02752	Fairmont-Clyton - ISD #2752	-	2,465,964	-	81,042	-	5,940,758	-	-	6,021,800	(83,206)	22,164	(61,042)
02753	Long Prairie-Grey Eagle - ISD #2753	-	1,362,604	-	46,654	-	3,419,950	-	-	3,466,604	(47,899)	16,008	(31,891)
02754	Cedar Mountain - ISD #2754	-	610,933	-	20,918	-	1,533,358	-	55,411	1,666,604	(21,476)	(11,882)	(32,558)
02769	Merits Area Schools - ISD #2769	-	1,503,342	-	51,473	-	3,956,567	-	-	3,824,657	(63,847)	7,888	(45,959)
02835	Zumbrota-Matropa - ISD #2835	-	1,789,617	-	61,774	-	4,491,695	-	-	4,553,969	(62,910)	105,897	(42,987)
02853	Jacqui Parle Valley - ISD #2853	-	1,025,338	-	36,340	-	2,694,257	-	6,157	2,685,397	(37,105)	8,620	(28,485)
02854	Ada-Berup - ISD #2854	-	1,361,004	-	46,999	-	3,415,936	-	-	3,468,692	(47,843)	(2,311)	(69,074)
02856	Stephen-Angile - ISD #2856	-	911,601	-	31,272	-	2,287,995	-	-	2,319,207	(37,045)	23,996	(13,049)
02859	Glencoe-Silver Lake - ISD #2859	-	498,982	-	17,084	-	1,252,376	-	-	1,269,460	(17,541)	18,470	929
02860	Bite Earth Area Public Schools #2860	-	1,452,164	-	49,720	-	3,644,736	-	541,797	4,236,253	(51,048)	(108,359)	(159,407)
02884	Red Rock Central - ISD #2884	-	660,311	-	22,615	-	1,657,793	-	18,470	1,680,408	(23,219)	27,090	3,871
02886	Glennville-Emmons - ISD #2886	-	347,048	-	11,882	-	871,044	-	-	901,396	(12,694)	(3,694)	(15,894)
02888	Lake Park-Audubon-Beardsley - ISD #2888	-	439,808	-	15,098	-	1,103,853	-	12,313	1,131,228	(15,461)	(2,463)	(17,924)
02889	Lake Park-Audubon District - ISD #2889	-	906,803	-	31,048	-	2,275,953	-	-	2,307,001	(31,877)	25,859	(6,018)
02890	Renoville County West - ISD #2890	-	892,409	-	30,555	-	2,230,827	-	-	2,270,382	(31,371)	3,694	(27,677)
02895	Jackson County Central Schools ISD #2895	-	1,804,010	-	61,767	-	4,572,821	-	104,865	4,694,253	(63,416)	(20,933)	(84,349)
02897	Redwood Area Schools - ISD #2897	-	1,627,362	-	57,770	-	4,234,797	-	-	4,293,567	(59,312)	17,239	(42,073)
02898	Westwood-Winnet Grove Public School #2898	-	1,838,046	-	22,998	-	1,685,891	-	18,470	1,727,359	(23,612)	(3,694)	(27,306)
02899	Plainview-Eglin-Millville ISD #2899	-	1,949,547	-	66,750	-	4,893,098	-	160,076	5,119,924	(68,552)	(32,015)	(100,547)
02902	RTF Public School #2902	-	700,493	-	23,884	-	1,758,143	-	-	1,782,127	(24,624)	9,851	(14,773)
02903	Ortonville Public School #2903	-	871,619	-	29,843	-	2,187,644	-	-	2,217,487	(30,640)	34,478	3,838
02904	Tracy Area School District #2904	-	991,566	-	33,950	-	2,488,696	-	135,449	2,628,095	(34,856)	(61,946)	(96,802)
02905	Tri-City United ISD #2905	-	2,680,427	-	91,774	-	6,727,508	-	141,606	6,960,888	(94,225)	(122,546)	(154,791)
02906	Red Lake County Central - ISD #2906	-	636,800	-	21,137	-	1,570,414	-	-	1,570,414	(3,694)	(18,007)	(21,701)
02907	Round Lake/Brewster - ISD #2907	-	506,978	-	882,541	-	1,272,446	-	-	1,289,804	(22,922)	75,113	(52,191)
02908	Brandon/Evanville - ISD #2908	-	654,114	-	22,968	-	1,641,737	-	-	1,664,133	(17,894)	(12,314)	(30,208)
02909	Rock Ridge Public Schools	-	1,845,642	-	105,354	-	4,942,699	-	7,828,360	7,722,986	(108,167)	2,369,128	2,760,961
03333	Pine Point - ISD #3333	-	293,225	-	7,721	-	565,978	-	-	573,699	(7,927)	13,545	5,618
04000	City Academy	-	179,122	-	6,133	-	449,571	-	-	455,704	(6,297)	25,939	19,562
04001	Buttrick Montessori	-	239,895	-	8,214	-	602,104	-	-	603,318	(2,463)	2,463	(5,970)
04003	New Heights School	-	161,529	-	5,511	-	405,417	-	147,762	558,710	(5,970)	(29,555)	(34,525)
04004	Cedar-Riverdale Community School	-	286,275	-	9,802	-	718,511	-	-	728,313	(10,065)	30,784	20,711
04005	Metro Deaf School	-	1,051,043	-	29,241	-	2,143,490	-	-	2,172,731	(30,021)	39,403	9,382
04007	New Country Charter School	-	300,668	-	10,295	-	754,637	-	24,627	789,559	(10,569)	(4,926)	(15,495)

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, 2021

ID	Entity	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense		
		Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Outflows of Resources	Proportion	Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Inflows of Resources	Proportion	Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	
04008	PACT Charter School	-	662,110	98,508	760,618	22,670	1,661,807	-	1,684,477	(23,275)	19,702	(3,573)
04011	Athlos Leadership Academy	-	3,092,775	-	1,108,315	37,947	2,811,980	-	2,781,720	12,313	(41,423)	(4,243)
04015	Community of Peace	-	1,242,656	375,563	1,618,219	42,547	3,118,898	-	3,161,445	(43,683)	75,113	31,430
04016	World Learner School	-	289,895	67,724	357,619	8,214	602,104	-	610,318	(8,433)	13,545	5,112
04017	MM Transitions Charter School	-	2,071,094	123,116	2,194,230	70,912	5,198,164	-	5,269,076	(72,865)	24,627	(48,178)
04018	Achieve Language Academy	-	1,829,293	688,507	2,517,800	22,889	5,167,863	6,157	5,174,000	(1,231)	(24,731)	(82,149)
04020	Duluth Edison Charter School	-	5,264,688	1,923,958	7,188,646	65,874	4,828,873	572,580	5,401,453	(67,633)	(114,516)	(182,149)
04025	Cyber Village Academy	-	1,291,008	471,994	1,762,999	16,154	1,841,138	-	1,841,138	(16,585)	12,314	(4,271)
04026	ECHO Charter School	-	210,062	76,766	286,828	7,228	192,673	98,108	293,809	(2,699)	(27,401)	(29,100)
04027	High Ground	-	3,015,270	1,101,918	4,117,188	37,728	2,803,392	-	2,803,392	(38,736)	129,292	90,556
04029	St Paul City School	-	2,157,515	788,455	2,945,970	26,996	1,978,915	-	2,005,911	(27,716)	40,635	12,919
04031	Jennings Experiential High School	-	266,954	97,557	364,511	3,340	244,856	98,108	342,964	(19,702)	(19,702)	-
04035	Life Prep Academy	-	1,024,054	374,236	1,398,290	12,813	939,282	295,275	1,234,557	(13,155)	(59,105)	(72,260)
04036	Face to Face Academy	-	529,532	193,515	723,047	6,626	485,697	-	492,323	(6,803)	48,599	(6,803)
04038	Soujourner Truth Academy	-	1,571,091	574,149	2,145,240	19,658	1,441,033	36,941	1,477,974	(20,183)	(7,888)	(27,511)
04039	High School for Recording Arts	-	790,842	267,083	1,057,925	9,105	670,342	49,254	719,596	(9,389)	(9,389)	-
04043	Meth S Science Academy	-	1,492,318	545,361	2,037,679	18,672	1,868,783	49,254	1,918,037	(19,171)	(9,951)	(29,022)
04049	Northwest Passage High School	-	665,197	243,094	908,291	8,233	610,132	610,132	610,132	(8,545)	33,545	5,000
04050	Lafayette Charter School	-	210,062	76,766	286,828	7,228	192,673	18,170	210,843	(2,699)	(3,694)	(6,393)
04053	North Lakes Academy	-	786,656	171,990	958,646	26,941	1,974,901	-	2,001,842	(27,660)	34,778	6,818
04054	Lafayette Montessori Academy	-	266,954	97,557	364,511	3,340	244,856	38,470	283,326	(3,429)	(3,429)	-
04055	Nestrand Elementary School	-	428,877	156,731	585,608	5,366	393,375	24,627	418,002	(5,510)	(4,926)	(10,436)
04056	Rosa Parks Charter High School Total	-	205,686	75,167	280,853	7,574	188,659	55,411	244,070	(2,642)	(11,082)	(13,724)
04057	El Colegio Charter School	-	542,661	198,313	740,974	6,790	497,739	(6,971)	504,529	(6,971)	24,627	(4,508)
04058	Schoolcraft Learning Community	-	638,940	233,498	872,438	7,995	586,048	-	594,043	(8,208)	11,482	2,874
04059	Crosslake Community School	-	1,391,663	508,577	1,900,240	17,413	1,276,460	17,413	1,293,873	(17,878)	46,792	28,914
04064	Riverway Learning Community	-	446,382	163,129	609,511	5,885	409,431	-	415,016	(5,734)	-	-
04066	Kato Public Charter School	-	328,222	119,948	448,170	4,107	301,052	67,724	372,883	(4,217)	(13,545)	(17,762)
04067	Avoca Charter School	-	1,557,862	569,951	2,127,813	19,884	1,478,993	73,882	1,552,875	(20,014)	(14,776)	(44,790)
04068	Excel Academy for Higher Learning	-	1,734,896	641,319	2,376,215	21,958	1,669,624	67,724	1,737,348	(23,544)	(33,545)	(66,889)
04070	HOPE Community Academy	-	2,065,613	734,870	2,800,483	25,846	1,894,600	-	1,920,446	(26,536)	41,866	15,330
04073	Academia Clear Charter	-	1,278,638	631,724	1,910,362	21,629	1,585,500	487,132	2,072,632	(22,207)	(87,428)	(109,633)
04074	AFSA High School	-	1,706,757	623,727	2,330,484	21,356	1,650,708	73,882	1,724,590	(21,976)	(44,776)	(66,702)
04075	Avdon School	-	1,444,179	527,769	1,971,948	18,070	1,342,629	-	1,342,629	(18,553)	3,694	(14,859)
04078	MM International Middle School	-	3,378,503	1,234,660	4,613,163	42,273	3,098,828	-	3,141,101	(43,402)	99,740	88,440
04079	Friendship Academy of Fine Arts	-	879,636	313,136	1,192,772	11,006	806,819	-	817,825	(11,300)	4,242	(6,781)
04080	Pillager Area Charter School	-	144,418	52,777	197,195	1,807	132,463	24,627	157,090	(1,855)	(4,926)	(6,781)
04081	Discovery Public School of Fairbault	-	262,578	95,958	358,536	3,285	240,842	33,373	274,215	(3,373)	2,463	(910)
04082	Blueway Community School	-	2,818,337	1,029,949	3,848,286	35,764	2,885,033	-	2,920,797	(66,206)	66,493	30,287
04083	Blodway Community School	-	310,717	113,550	424,267	3,888	284,996	24,627	309,623	(3,992)	(4,926)	(8,918)
04084	North Shore Community School	-	1,242,869	454,021	1,696,890	15,551	1,139,983	-	1,155,534	(15,966)	14,776	(1,190)
04085	Harbor City International	-	877,121	302,168	1,179,289	10,949	798,151	30,784	828,935	(10,638)	(6,157)	(16,783)
04087	SAGE Academy	-	376,362	137,540	513,902	4,709	345,206	-	349,915	(4,835)	6,157	1,332
04088	Urban Academy	-	1,442,214	417,417	1,859,631	14,292	1,041,661	-	1,061,953	(14,673)	20,933	6,280
04089	New City School Charter School	-	962,786	351,846	1,314,632	12,047	883,086	-	905,798	(12,368)	(20,933)	(33,301)
04090	Prairie Creek Community School	-	708,960	259,087	968,047	8,871	650,272	104,665	754,937	(9,108)	2,463	(6,645)
04091	Aradia Charter School	-	538,285	196,714	734,999	6,735	493,175	73,882	574,342	(6,915)	(14,776)	(21,691)
04092	Waterhead High School	-	249,449	91,160	340,609	3,121	228,799	55,411	284,210	(3,205)	(11,082)	(14,282)
04093	New Century Charter School	-	437,630	159,930	597,560	5,476	401,403	43,097	444,500	(5,622)	(8,620)	(14,242)
04095	Trio Wolf Creek Distance Learning	-	656,445	239,895	896,340	8,214	602,104	-	610,318	(8,433)	-	-
04097	Partnership Academy, Inc.	-	2,363,201	863,622	3,226,823	29,569	2,167,574	-	2,197,143	(30,359)	68,956	38,597
04098	Novo Classical Academy	-	2,927,744	1,069,932	3,997,676	36,633	2,885,383	246,271	3,131,654	(69,254)	(49,254)	(86,865)
04100	Great Expectations School	-	376,362	137,540	513,902	4,709	345,206	6,157	351,363	(1,231)	(6,066)	(6,066)
04102	MM Internship Center	-	1,282,256	468,595	1,750,851	16,004	1,176,110	80,038	1,256,148	(16,472)	(16,038)	(32,480)
04103	Minning Academy	-	732,712	257,075	989,787	8,796	645,540	98,508	744,048	(90,346)	(19,702)	(110,048)
04104	Paladin Academy (Liberty High School)	-	582,048	212,207	794,255	7,283	533,865	24,627	558,492	(7,477)	(4,926)	(12,403)
04105	Great River School	-	2,560,135	955,991	3,516,126	32,033	2,348,205	-	2,386,205	(32,889)	4,926	(27,963)
04106	Trek North High School	-	1,002,172	366,240	1,368,412	12,540	919,212	49,254	968,466	(12,874)	(9,851)	(22,725)
04107	Voyagers Expeditionary School	-	498,898	182,320	681,218	6,242	457,599	49,254	506,853	(6,409)	(9,851)	(16,260)
04110	Performing Institute of Minnesota Arts High School	-	1,404,792	513,735	1,918,527	17,577	1,288,502	-	1,306,079	(18,047)	34,478	16,431
04111	Augsburg Academy for Health Careers	-	323,846	118,948	442,794	4,052	297,038	-	301,090	(4,160)	4,926	766
04112	St Paul Conservatory for Performing Arts	-	1,312,890	479,390	1,792,280	16,427	1,204,208	764,742	1,968,950	(16,866)	(52,948)	(69,814)
04113	Spero Academy	-	1,649,865	602,936	2,252,801	20,644	1,513,288	-	1,533,932	(21,195)	27,000	5,895
04116	Lex International Language Academy	-	4,034,948	1,474,555	5,509,503	50,487	3,700,932	-	3,751,419	(51,835)	19,702	(32,133)
04118	Kalidass Charter School	-	2,280,052	833,235	3,113,287	28,529	2,091,308	-	2,119,837	(29,291)	25,899	(3,432)
04119	Academic Arts High School	-	503,274	183,920	687,194	6,997	461,613	-	467,910	(6,465)	3,694	(2,771)
04120	St Croix Preparatory School	-	3,785,469	1,383,595	5,169,064	47,366	3,771,132	-	3,818,065	(46,933)	(12,314)	(60,944)
04121	Udall Medical Academy	-	1,015,301	371,038	1,386,339	12,704	931,254	-	943,958	(13,043)	57,374	(13,043)
04122	Eagle Ridge Academy	-	4,616,995	1,687,462	6,304,457	197,770	4,234,797	-	4,291,567	(19,312)	29,853	(60,936)
04124	Bescom Academy	-	2,323,815	849,228	3,173,043	29,076	2,131,448	-	2,160,524	(29,853)	89,889	60,259
04126	Prairie Seeds Academy	-	2,472,609	903,605	3,376,214	30,938	2,467,975	-	2,496,863	(48,023)	66,259	16,259
04127	TEAM Academy	-	551,414	201,512	752,926	6,900	505,767	-	524,980	(7,084)	(2,463)	(9,547)

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, 2021

ID	Entity	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense				
		Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Outflows of Resources	Changes in Proportion	Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Inflows of Resources	Changes in Proportion	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense		
04131	Metro School Charter Total	-	543,762	-	543,762	18,618	-	1,864,769	-	73,882	1,457,269	(19,115)	(14,767)	(33,891)
04132	Twin Cities Academy High School	-	735,678	-	735,678	25,189	-	1,846,451	-	172,390	2,044,031	(25,861)	(34,738)	(60,339)
04135	Rochester Math and Science Academy	-	466,996	-	466,996	15,989	-	1,172,096	-	36,941	1,225,026	(16,416)	(21,806)	(23,804)
04137	Swan River Montessori	-	221,821	-	221,821	7,173	-	525,837	-	63,010	533,010	(7,865)	(7,463)	(4,902)
04139	LoveWorks Academy	-	193,073	-	193,073	6,371	-	481,683	-	488,254	67,468	(6,748)	1,231	(5,115)
04140	Yinghua Academy	-	1,093,933	-	1,093,933	34,717	-	2,549,893	-	2,579,609	(35,643)	(35,709)	35,709	66
04142	Stride Academy	-	1,165,607	-	1,165,607	22,834	-	1,679,849	-	2,344,444	1,696,683	(23,444)	99,740	76,296
04143	New Millennium Academy	-	862,023	-	862,023	29,515	-	2,163,560	-	2,193,075	(30,303)	(30,303)	44,864	54,661
04144	Green Isle Community School	-	231,944	-	231,944	8,763	-	212,743	-	215,645	(2,900)	(2,900)	12,314	9,334
04145	Birch Grove Charter School	-	70,369	-	70,369	2,489	-	176,617	-	(2,474)	179,026	2,463	2,463	(11)
04146	Northern Lights Community School	-	191,916	-	191,916	6,571	-	481,683	-	488,254	(6,746)	(6,746)	1,231	(5,515)
04150	Minnesota Online High School	-	1,037,183	-	1,037,183	12,978	-	951,324	-	(13,324)	964,302	(13,324)	14,776	1,452
04151	EdVisions Off-Campus Charter School	-	481,393	-	481,393	6,023	-	441,543	-	61,567	509,133	(6,184)	(12,314)	(18,498)
04152	Twin Cities German Immersion School	-	678,103	-	678,103	23,217	-	1,701,947	-	36,941	1,762,105	(23,837)	(7,888)	(31,225)
04153	DuSang Academy	-	374,236	-	374,236	552,783	-	939,282	-	-	952,095	(13,155)	35,709	22,554
04155	Northwaukash Community School	-	267,683	-	267,683	9,145	-	670,342	-	(9,389)	679,487	(9,389)	2,463	(6,926)
04159	Seven Hills Classical	-	1,429,774	-	1,429,774	48,954	-	3,588,159	-	3,617,493	(30,263)	67,725	67,725	17,464
04160	Spectrum HS	-	874,817	-	874,817	29,953	-	2,195,672	-	2,225,625	(30,752)	(30,752)	14,776	(15,976)
04161	New Discoveries Montessori Academy	-	395,027	-	395,027	13,525	-	991,464	-	1,004,989	(13,886)	(13,886)	19,702	5,816
04162	Southside Family Charter School	-	118,348	-	118,348	4,052	-	297,038	-	67,724	368,814	(4,160)	(3,545)	(17,705)
04164	Laura Jeffrey Academy	-	198,313	-	198,313	6,790	-	497,739	-	504,529	(6,971)	(6,971)	3,694	(3,272)
04166	East Range Academy of Tech and Science	-	353,445	-	353,445	12,102	-	887,100	-	178,547	1,077,749	(12,425)	(35,709)	(48,134)
04167	International Spanish Language Academy	-	477,017	-	477,017	5,969	-	437,529	-	110,822	554,320	(6,128)	(22,164)	(28,292)
04168	Global Hills Elementary School	-	377,435	-	377,435	12,923	-	947,310	-	67,724	1,027,957	(13,545)	(13,545)	(26,813)
04169	Stonebridge Community School	-	2,032,388	-	2,032,388	90,132	-	6,949,646	-	252,427	6,949,646	(92,538)	(143,024)	(143,024)
04170	Hawthala Academics	-	606,135	-	606,135	20,753	-	1,921,316	-	1,046,652	2,588,721	(21,307)	(209,331)	(230,638)
04171	Noble Academy	-	205,866	-	205,866	25,167	-	130,528	-	191,233	212,840	(11,882)	(11,882)	(8,440)
04172	Chalfield Area Charter School	-	78,366	-	78,366	7,663	-	196,687	-	18,470	217,840	(2,755)	(3,640)	(6,440)
04173	Muskawauk Leadership Academy	-	223,932	-	223,932	7,666	-	561,964	-	569,630	(7,334)	(7,334)	24,627	16,756
04178	Union International Charter School	-	340,038	-	340,038	45,971	-	3,273,234	-	3,267,234	(45,145)	(45,145)	11,882	(34,063)
04181	Community School of Excellence	-	1,284,238	-	1,284,238	57,660	-	4,284,789	-	4,284,789	(59,200)	(59,200)	134,218	75,018
04183	Longgate Academy	-	660,511	-	660,511	22,615	-	1,657,793	-	1,650,408	(7,385)	(7,385)	38,172	14,953
04184	Aspen Academy	-	1,867,411	-	1,867,411	35,812	-	2,625,173	-	2,660,985	(35,812)	(35,812)	91,120	54,352
04185	DaVinci Academy of Art and Science	-	1,045,942	-	1,045,942	32,272	-	2,705,961	-	2,729,233	(23,894)	(23,894)	41,866	(17,972)
04186	Global Academy, Inc.	-	1,859,927	-	1,859,927	69,703	-	2,089,580	-	2,287,995	(32,045)	(32,045)	23,396	(8,649)
04188	Cologne Academy	-	2,494,490	-	2,494,490	91,601	-	2,827,995	-	2,919,207	(32,045)	(32,045)	23,396	(8,649)
04189	Bright Water Elementary Charter School	-	315,094	-	315,094	3,943	-	289,010	-	80,038	372,991	(4,048)	(10,008)	(20,056)
04191	KIPP Minnesota	-	3,050,280	-	3,050,280	38,166	-	2,835,942	-	3,071,776	(39,185)	(39,185)	198,248	159,063
04192	Best Academy	-	1,018,254	-	1,018,254	34,881	-	2,556,935	-	160,076	2,751,892	(35,812)	(32,015)	(67,827)
04193	College Prep Elementary	-	371,038	-	371,038	12,704	-	1,165,620	-	221,644	1,407,264	(13,043)	(44,329)	(57,372)
04194	Canon River STEM School	-	494,184	-	494,184	16,920	-	1,240,334	-	1,252,254	(11,920)	(11,920)	25,859	7,265
04195	Osht Gignaw Charter School	-	75,568	-	75,568	2,519	-	184,645	-	187,164	(2,519)	(2,519)	9,851	7,265
04198	Osht Woods Montessori	-	123,146	-	123,146	4,216	-	309,080	-	311,296	(2,216)	(2,216)	48,023	(4,325)
04199	Paraisus Preparatory School	-	1,327,419	-	1,327,419	45,449	-	3,317,091	-	3,317,091	(46,663)	(46,663)	25,859	1,490
04200	Step Academy	-	2,021,850	-	2,021,850	25,298	-	1,854,480	-	2,597,974	(75,974)	(75,974)	38,172	(115)
04201	Cornerstone Montessori Elementary School	-	385,114	-	385,114	4,519	-	353,234	-	208,462	583,053	(4,947)	(13,545)	8,598
04204	Rochester STEM Academy	-	134,341	-	134,341	4,600	-	337,178	-	55,411	397,189	(4,722)	(11,082)	(15,804)
04205	Hennepin Elementary School	-	652,514	-	652,514	22,341	-	1,637,723	-	160,076	1,820,140	(22,938)	(32,015)	(54,953)
04207	Vermilion Country School	-	55,976	-	55,976	1,917	-	140,491	-	6,157	148,565	(1,968)	(1,231)	(3,199)
04208	Nasha Shola Charter School	-	145,536	-	145,536	4,883	-	365,276	-	6,157	376,416	(5,116)	(1,231)	(6,347)
04209	Mastery School	-	555,790	-	555,790	6,954	-	509,781	-	75,127	1,267,862	(7,140)	(150,225)	(157,365)
04210	Upper Mississippi Academy	-	1,549,210	-	1,549,210	184,703	-	1,420,965	-	1,440,349	(19,384)	(19,384)	36,941	17,039
04213	Proctor Academy	-	1,146,698	-	1,146,698	683,402	-	2,838,057	-	2,917,318	(40,310)	(40,310)	136,881	96,371
04215	Sjogren Academy	-	899,825	-	899,825	307,839	-	1,003,507	-	1,017,197	(14,655)	(14,655)	61,568	47,513
04217	Technical Academics of Minnesota	-	853,274	-	853,274	36,941	-	661,613	-	667,910	(6,297)	(6,297)	7,888	933
04218	Venture Academy	-	1,999,969	-	1,999,969	240,114	-	1,834,410	-	1,859,434	(25,024)	(25,024)	48,023	22,330
04219	Northgate Prep Charter School	-	1,597,349	-	1,597,349	160,076	-	1,465,119	-	1,485,106	(20,520)	(20,520)	32,015	11,495
04220	Agham Hedrew Language School	-	1,024,054	-	1,024,054	123,136	-	939,282	-	939,282	(13,155)	(13,155)	24,627	11,472
04221	Rochester Charter School	-	251,090	-	251,090	8,597	-	630,202	-	73,882	717,681	(8,827)	(14,776)	(23,603)
04223	Saint Cloud Math and Science Academy	-	364,640	-	364,640	12,485	-	915,198	-	6,157	927,683	(12,818)	(34,478)	(21,660)
04224	Star of the North Academy	-	187,118	-	187,118	6,407	-	469,641	-	6,157	482,205	(6,578)	(12,314)	(7,809)
04225	Universal Academy Charter School	-	488,195	-	488,195	16,044	-	1,176,110	-	16,044	1,192,154	(16,472)	(68,956)	(52,484)
04226	Bolton Learning Center	-	259,087	-	259,087	8,871	-	650,272	-	650,143	(9,108)	(9,108)	17,231	(8,777)
04227	Art and Science Academy	-	451,003	-	451,003	15,442	-	1,131,955	-	86,105	1,233,592	(15,854)	(17,231)	(33,093)
04228	Woodbury Leadership Academy	-	526,170	-	526,170	18,015	-	1,320,615	-	1,338,630	(18,499)	(18,499)	86,195	67,699
04229	Jane Goodall Environmental Sciences Acad	-	160,340	-	160,340	5,147	-	382,465	-	382,465	(5,147)	(5,147)	3,604	(1,591)
04230	Minnesota Excellence in Learning Academy	-	267,683	-	267,683	9,145	-	670,342	-	670,342	(9,389)	(9,389)	12,314	7,972
04231	Minnesota Math and Science Academy	-	600,007	-	600,007	22,944	-	1,081,877	-	1,048,821	(33,056)	(33,056)	46,929	23,236
04232	Success Academy School	-	134,341	-	134,341	4,600	-	341,178	-	341,178	(4,722)	(4,722)	8,520	3,898
04233	Green Pathways	-	209,508	-	209,508	7,173	-	525,837	-	24,627	575,697	(7,365)	(4,278)	(12,291)
04237	Center Pathways	-	428,877	-	428,877	156,731	-	628,888	-	398,741	551,000	(5,100)	(4,278)	(4,278)
04238	Rochester Beacon Academy	-	299,087	-	299,087	8,871	-	650,272	-	650,143	(9,108)	(9,108)	7,888	(1,720)

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, 2021

ID	Entity	Deferred Outflows of Resources				Deferred Inflows of Resources				Pension Expense		
		Difference Between Expected and Actual Experience	Changes in Investment Assumptions	Changes in Proportion	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Changes in Investment 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
04239	TESFA International School	-	279,878	61,567	341,445	9,183	702,455	-	712,038	(9,839)	12,134	2,475
04240	North Century Academy	-	1,190,353	435,010	1,625,363	14,894	1,091,815	-	1,066,709	(15,292)	67,275	52,433
04241	North Metro High Academy	-	9,472	276,629	286,101	9,472	694,426	-	711,623	(2,726)	(13,545)	(23,271)
04242	HT Academy	-	1,212,235	443,006	1,655,241	15,168	1,111,885	-	1,127,053	(15,573)	23,896	7,823
04243	Albion Academy of St Cloud	-	730,880	233,957	964,837	25,024	1,834,410	-	1,859,434	(23,603)	46,799	21,099
04244	Phoenia Academy	-	319,470	116,749	436,219	3,997	293,024	-	297,021	(4,004)	17,239	13,135
04254	Marine Area Charter School	-	262,285	336,167	598,452	8,980	638,300	-	672,800	(34,498)	14,776	5,556
04255	Skylark Math & Science Academy	-	287,874	190,860	478,734	9,856	722,525	-	732,381	(10,120)	38,172	28,052
04258	The Journey School	-	231,944	84,763	316,707	2,802	212,743	-	215,545	(2,986)	8,620	5,640
04261	Sci Tech Academy	-	708,960	80,038	788,998	8,871	659,143	-	659,143	(9,108)	16,008	6,900
04263	Gateway STEM Academy Charter School	-	67,171	6,157	73,328	2,300	168,589	-	170,889	(2,361)	1,231	(1,130)
04264	Gateway STEM Academy Charter School	-	612,682	223,902	836,584	7,666	581,943	-	581,943	(7,871)	(2,463)	(10,334)
04265	Minnesota Wildflower Montessori School	-	262,578	-	262,578	3,285	240,842	-	240,842	(10,761)	(7,888)	(10,761)
04266	Three Rivers Montessori School	-	201,310	73,568	274,878	2,519	184,645	-	187,164	(2,586)	56,642	54,056
04267	Horizon Science Academy Twin Cities	-	297,588	108,752	406,340	3,724	272,954	-	276,678	(14,724)	18,470	14,647
04268	Great Oaks Academy	-	205,686	75,167	280,853	2,574	188,659	-	191,233	(2,643)	43,098	40,456
04269	Quantum STEAM Academy Charter School	-	233,191	313,996	547,187	2,793	204,715	-	207,508	(2,867)	62,799	59,932
04271	Aurora Wisconsin Community of Learners	-	393,807	324,684	718,491	4,828	381,262	-	386,190	(5,060)	35,769	30,649
04273	Midwest Montessori Charter School	-	371,985	135,941	507,926	4,654	341,192	-	345,846	(4,799)	34,478	29,699
04275	St. Paul Northern Lights Charter School	-	477,017	774,324	1,251,341	5,969	437,599	-	443,498	(6,128)	52,948	46,820
04276	Noire Ecole Academy Charter School	-	118,160	43,181	161,341	1,478	108,379	-	109,857	(1,518)	30,784	29,266
04277	Metro Tech Academy Charter School	-	118,160	43,181	161,341	1,478	108,379	-	109,857	(1,518)	19,702	18,184
04278	Metropolitan School of New Music Charter	-	65,644	23,990	89,634	821	60,210	-	61,031	(843)	18,470	17,627
04280	Aspire Academy Charter School	-	13,129	4,798	18,470	164	12,042	-	12,042	(169)	3,694	3,525
04282	Innovation Science & Technology Academy	-	183,805	258,585	442,390	2,300	168,589	-	170,889	(2,361)	51,717	49,356
04286	Link Public Schools Charter School	-	35,010	12,794	47,804	438	32,112	-	32,550	(450)	9,851	9,401
04287	Cross River Charter School	-	13,129	4,798	18,470	164	12,042	-	12,042	(169)	3,694	3,525
04288	Kanishki Academy Charter School	-	13,129	4,798	18,470	164	12,042	-	12,042	(169)	3,694	3,525
06001	MN Family Career & Comm Leaders of America	-	61,268	22,890	84,158	767	56,186	-	56,186	(787)	63,120	(7,018)
06002	MN Business Professionals of America	-	21,881	7,997	29,878	274	20,070	-	20,344	(281)	-	(281)
06004	MN Delta Epsilon / DECA	-	21,881	7,997	29,878	274	20,070	-	20,344	(281)	-	(281)
06004	Freshwater Education Dist. #6004	-	3,288,607	1,362,694	4,651,301	46,654	3,419,950	-	3,466,604	(47,899)	55,411	7,512
06009	St. Croix River Education District	-	2,660,790	972,374	3,633,164	33,293	2,440,528	-	2,473,821	(34,182)	12,316	(21,868)
06012	Zumbro Education District #6012	-	2,555,759	933,991	3,489,750	31,729	2,344,191	-	2,369,382	(36,941)	2,433,111	(7,388)
06013	Hawatha Valley Ed Dist. #6013	-	2,796,455	1,021,953	3,818,408	34,990	2,564,962	-	2,599,953	(35,925)	36,941	1,016
06014	Rum River Area Education Dist. #6014	-	1,260,374	460,598	1,720,972	15,700	1,156,039	-	1,156,039	(16,191)	(17,239)	(33,430)
06017	MN Transitions - Connections Academy	-	5,715,446	2,088,886	7,804,332	17,514	5,242,318	-	5,242,318	(18,890)	458,064	884,641
06026	W. Central Education Dist. #6026	-	1,470,436	537,365	2,007,801	18,999	1,348,713	-	1,367,112	(24,323)	16,427	(16,427)
06027	MN Valley Ed Dist. #6027	-	1,737,391	634,922	2,372,313	21,799	1,693,568	-	1,719,292	(22,319)	(29,553)	(51,872)
06029	Riverbend Educational Dist. #6029	-	2,350,073	858,824	3,208,897	29,405	2,155,532	-	2,155,532	(30,190)	(28,321)	(58,511)
06051	East Metro Integration District	-	3,995,561	1,460,161	5,455,722	49,994	3,664,806	-	3,714,800	(51,329)	84,964	33,635
06057	East Metro Integration District	-	271,331	89,157	360,488	3,395	248,370	-	251,765	(3,486)	(11,888)	(14,588)
06070	Itasca Area Schools Collaborative	-	1,150,367	420,616	1,570,983	14,401	1,055,689	-	1,076,247	(21,211)	10,017	(16,017)
06076	Northland Learning Center - ISD #6076	-	2,847,661	987,577	3,835,238	33,129	2,828,486	-	2,861,615	(34,013)	35,749	1,696
06078	Northwest Suburban ISD #6078	-	87,526	31,986	119,512	1,995	80,281	-	81,376	(1,094)	-	(1,124)
06079	Rum River Special Education Coop	-	2,608,274	953,183	3,561,457	32,636	2,892,359	-	2,907,799	(33,507)	(6,157)	(39,664)
06080	Minnesota's Digital Academy	-	179,428	65,571	245,000	2,245	164,575	-	164,575	(2,305)	234,544	(15,850)
06083	Southern Minnesota Education Consortium	-	1,641,112	599,738	2,240,850	20,534	1,505,260	-	1,525,794	(21,083)	71,419	50,336
06094	Canton Valley Special Education Coop	-	2,892,734	1,057,137	3,949,871	36,195	2,633,271	-	2,689,466	(37,161)	(8,479)	(27,310)
06383	Midstate Educational Dist. #6383	-	1,374,158	502,180	1,876,338	17,194	1,260,404	-	1,277,598	(17,653)	11,892	(6,571)
06979	Diocese of Education	-	8,231,818	3,088,283	11,320,101	103,000	7,550,483	-	7,653,383	(105,750)	14,776	(90,974)
088200037	Perich Center for Arts Education	-	1,107,204	404,623	1,511,827	13,854	1,015,549	-	1,029,403	(14,224)	28,321	14,097
088200001	Minnesota State Academies	-	2,927,744	1,089,932	4,017,676	36,633	2,885,383	-	2,927,016	(37,613)	46,792	9,181
09700004	Education Minnesota	-	666,299	60,773	727,072	2,881	152,333	-	152,333	(2,136)	(3,694)	(5,389)
10100011	System Office 101-11	-	2,827,671	980,371	3,808,042	33,567	2,860,598	-	2,894,165	(34,463)	45,560	(11,097)
10100012	Minnesota State Univ. 101-12	-	4,315,031	1,526,310	5,841,341	53,991	3,957,830	-	4,011,821	(55,433)	7,988	(48,045)
10100013	Minnesota State Univ. Mankato 101-13	-	7,969,240	4,137,325	12,106,565	99,714	7,409,255	-	7,409,255	(102,377)	245,040	(48,663)
10100014	St Cloud State Univ. 101-14	-	4,275,644	1,562,516	5,838,160	53,499	3,921,703	-	3,975,202	(54,977)	22,164	(32,763)
10100015	St Cloud State Univ. 101-15	-	7,080,852	2,587,667	9,668,519	88,598	6,494,694	-	6,549,279	(90,964)	(214,256)	(305,220)
10100016	Southwest Minnesota State Univ. 101-16	-	2,638,908	964,478	3,603,386	33,019	2,420,458	-	2,470,952	(33,901)	(55,411)	(89,674)
10100017	Winona State Univ. 101-17	-	7,986,746	2,918,723	10,905,469	99,933	7,325,597	-	7,325,597	(102,602)	(88,472)	(286,074)
10100018	Metropolitan Tech College 101-18	-	6,444,324	2,245,417	8,689,741	76,800	5,635,693	-	5,635,693	(78,036)	(56,642)	(135,575)
10100019	Alexandria Tech College 101-19	-	2,982,754	1,082,276	4,065,030	37,071	2,920,800	-	2,920,800	(38,247)	(71,308)	(109,554)
10100021	Anoka Technical College 101-21	-	1,948,700	708,690	2,657,390	24,248	1,778,214	-	1,802,472	(24,905)	9,851	(15,054)
10100022	Central Lakes College 101-22	-	4,061,205	1,484,150	5,545,355	50,815	3,725,016	-	3,725,016	(3,752)	116,979	(64,807)
10100023	Dakota County Tech College 101-23	-	2,266,310	842,631	3,108,941	28,857	2,115,392	-	2,115,392	(29,638)	(39,463)	(69,031)
10100024	Lake Superior College 101-24	-	3,133,430	1,195,099	4,328,529	39,207	2,937,043	-	2,937,043	(40,234)	38,740	(21,784)
10100025	Hennepin Tech College 101-25	-	5,340,595	2,024,714	7,365,309	69,321	5,081,757	-	5,081,757	(70,254)	(64,031)	(135,206)
10100026	Ridgewater College 101-26	-	4,376,299	1,599,300	5,975,599	54,758	4,014,056	-	4,014,056	(56,220)	(9,851)	(66,071)
10100027	Winona State Univ. 101-27	-	4,792,047	1,751,234	6,543,281	59,960	4,995,359	-	4,995,359	(61,561)	(7,388)	(68,949)
10100028	Century Comm and Tech College 101-28	-	6,560,072	2,397,351	8,957,423	82,082	6,017,025	-	6,017,025	(94,048)	(118,210)	(202,484)

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, 2021

ID	Entity	Net Pension Liability	Deferred Outflows of Resources			Deferred Inflows of Resources			Pension Expense					
			Difference Between Expected and Actual Experience	Changes in Assumptions	Total Deferred Outflows of Resources	Difference Between Expected and Actual Experience	Difference Between Projected and Actual Investment Earnings	Changes in Assumptions	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion	Total Pension Expense		
10100029	Northwest Tech College - Bemidji 101-29	717,713	262,985	-	286,932	8,890	658,300	-	667,280	(9,220)	4,926	(4,294)		
10100030	Pine Tech College 101-30	1,190,353	-	435,010	-	14,894	1,091,815	-	1,180,591	(15,292)	(14,776)	(30,068)		
10100031	Mesabi Range Comm & Tech College 101-31	1,982,463	-	724,483	-	24,895	1,218,354	-	2,071,116	(25,468)	(46,792)	(72,260)		
10100032	Hibbing Comm College 101-32	2,100,624	-	767,664	-	26,384	1,916,712	-	1,953,016	(56,886)	39,553	2,567		
10100033	Minnesota State College-St Tech 101-33	2,201,278	-	804,448	-	27,543	2,010,655	-	2,046,598	(28,275)	39,463	11,124		
10100034	Riverland Community College 101-34	2,914,615	-	1,085,134	-	36,469	2,673,341	-	2,832,986	(37,443)	(24,627)	(62,070)		
10100035	South Central College 101-35	3,706,725	-	1,354,607	-	46,380	3,999,880	-	3,446,280	(47,618)	27,090	(20,528)		
10100036	Minnesota West Comm & Tech College 101-36	3,549,178	-	1,297,032	-	44,409	3,255,375	-	3,425,342	(45,594)	(56,642)	(102,236)		
10100037	St Cloud Tech College 101-37	4,245,010	-	1,551,321	-	53,115	3,693,695	-	4,063,699	(64,533)	(23,396)	(77,929)		
10100038	St Paul College 101-38	4,708,898	-	1,720,847	-	58,220	4,319,092	-	4,378,012	(60,493)	3,694	(56,799)		
10100039	Northwest State 101-39	153,170	-	55,976	-	1,917	140,491	-	148,565	(1,968)	(1,231)	(3,199)		
10100040	Fond du Lac Tribal & Comm College 101-40	1,255,998	-	458,999	-	15,716	1,152,025	-	1,167,741	(16,135)	17,239	(1,104)		
10100041	North Hennepin Comm College 101-41	4,205,623	-	1,536,927	-	52,622	3,657,479	-	4,267,194	(54,027)	(71,419)	(125,446)		
10100042	Northland Community & Tech College 101-42	3,347,869	-	1,223,465	-	41,890	3,070,730	-	3,112,620	(43,008)	34,478	(8,530)		
10100043	Normandale Community College 101-43	4,511,964	-	1,648,278	-	56,455	4,138,461	-	4,194,916	(57,963)	56,642	(1,321)		
10100044	Lower Hills Community College 101-44	2,927,744	-	1,069,932	-	36,633	2,885,383	-	2,788,957	(37,611)	(7,888)	(48,999)		
10100045	Itasca Community College 101-45	1,566,715	-	572,549	-	19,603	1,437,021	-	1,555,132	(20,127)	(19,792)	(19,822)		
10100046	Rainy River Community College 101-46	354,460	-	129,943	-	4,433	325,136	-	325,571	(4,554)	32,314	7,600		
10100048	Rochester Comm & Tech College 101-48	4,179,366	-	1,527,332	-	52,294	3,633,395	-	3,910,316	(53,690)	(4,248)	(58,616)		
10100049	Anoka-Ramsey Comm College 101-49	5,120,270	-	1,871,181	-	64,067	4,696,410	-	4,778,947	(65,777)	(3,694)	(69,471)		
10100050	Vermilion Comm College 101-50	752,723	-	275,080	-	9,418	690,412	-	810,652	(9,670)	(22,164)	(31,834)		
10100051	MN State Comm and Tech College 101-51	4,139,979	-	1,512,938	-	51,801	3,797,269	-	3,797,693	(53,184)	(71,419)	(124,603)		
	Schools Dropped During the Year		-	-	-	-	-	-	6,156,778	-	(1,231,356)	(1,231,356)		
S0001	Minneapolis - Special School Dist. #1	278,840,274	-	101,900,985	-	3,488,966	255,757,690	-	17,719,193	(3,382,104)	(3,543,856)	(7,125,960)		
CITY	City of Minneapolis	20,240,383	-	7,396,763	-	253,256	18,564,870	-	20,443,515	(260,018)	(325,078)	(85,096)		
MSPSD	MPSD	20,240,383	-	7,396,763	-	253,256	18,564,870	-	20,443,515	(260,018)	(325,078)	(85,096)		
STATE	State of MN	299,903,394	-	109,598,430	-	3,742,511	275,077,188	-	278,879,699	(3,852,700)	1,211,654	(2,641,046)		
	Total	4,376,299,000	\$	1,599,300,000	\$	100,989,601	\$	4,014,026,000	\$	100,989,601	\$	4,169,773,601	\$	(56,220,000)

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

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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, 2021

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 599 employer units. During the fiscal year TRA received direct aid contributions from the following sources: State of Minnesota \$33,340,073; 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, 2021, 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, 2020) to the end of the current measurement period (June 30, 2021) 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>Changes of assumptions</u>
Amortization period	6 years
Current period additions	\$1,919,160
Amortized in period ending June 30,	
2021	319,860
2022	319,860
2023	319,860
2024	319,860
2025	319,860
2026	319,860

Deferred inflows of resources

(dollars in thousands)

	<u>Differences between expected and actual experience</u>	<u>Difference between projected and actual investment earnings</u>
Amortization period	6 years	5 years
Current period additions	\$65,710	\$5,017,533
Amortized in period ending June 30,		
2021	10,952	1,003,507
2022	10,952	1,003,507
2023	10,952	1,003,507
2024	10,952	1,003,507
2025	10,952	1,003,505
2026	10,950	-

The TRA actuary has determined the average of the expected remaining service lives of all members for fiscal year 2021 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, 2021, calculated in accordance with GASB Statement No. 67, are shown below (in thousands).

Total pension liability (A)	\$32,738,056
Plan fiduciary net position (B)	<u>\$28,361,757</u>
Net pension liability (A-B)	\$4,376,299
Plan fiduciary net position as a percentage of the total pension liability (B/A)	86.63%

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 Annual Comprehensive Financial Report (ACFR) "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 ACFR, Statement of Changes in Fiduciary Net Position	\$448,829
Employer contributions not related to future contribution efforts	379
TRA's contributions not included in allocation	<u>(538)</u>
Total employer contributions	\$448,670
Total non-employer contributions	<u>37,840</u>
Total contributions reported in the <i>Schedule of Employer and Non-Employer Allocations</i>	<u>\$486,510</u>

NOTE 3: CHANGES OF BENEFIT AND FUNDING TERMS

2021: None

NOTE 4: ACTUARIAL METHODS AND ASSUMPTIONS

The actuarial assumptions used in the July 1, 2021 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.

Key Methods and Assumptions Used in Valuation of Total Pension Liability	
Actuarial Information	
Valuation date	July 1, 2021
Measurement date	June 30, 2021
Experience studies	June 28, 2019 (demographic assumptions) November 6, 2017 (economic assumptions)
Actuarial cost method	Entry Age Normal
Actuarial assumptions:	
Investment rate of return	7.00%
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 7.00 percent. The discount rate used to measure the TPL at the Prior Measurement Date was 7.50 percent.

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 7.00 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 2120. 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. 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 7.00 percent, as well as TRA's NPL that is 1-percentage-point lower (6.00 percent) or 1-percentage point higher (8.00 percent) than the current rate:

Sensitivity of Net Pension Liability (NPL) to Changes in the Discount Rate <i>(dollars in thousands)</i>			
	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)
NPL	\$8,840,337	\$4,376,299	\$715,432

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, 2021, are presented below.

(dollars in thousands)

Service cost	\$	513,165
Interest on the total pension liability		2,188,186
Expensed portion of current-period difference between expected and actual experience in the total pension liability		(10,952)
Expensed portion of current-period changes of assumptions		319,860
Member contributions		(410,162)
Projected earnings on plan investments		(1,666,573)
Expensed portion of current-period differences between actual and projected earnings on plan investments		(1,003,507)
Administrative expense		16,022
Other		(1,721)
Total pension expense	\$	(55,682)
Less TRA employer contributions and miscellaneous adjustments		(538)
Pension expense - Schedule of Pension Amounts by Entity, Current Reporting Period Only	\$	<u>(56,220)</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 Annual Comprehensive Financial Report for the fiscal year ended June 30, 2021. 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/2022/03/2021-TRA-GASB-6768-report-for-accounting-purposes.pdf>