### Michigan Public School Employees' Retirement System

A Pension and Other Employee Benefit Trust Fund of the State of Michigan

# Schedules of Employer Allocations and Schedule of Collective Pension Amounts for Fiscal Year Ended September 30, 2015



### **Prepared by**

The Office of Retirement Services P.O. Box 30171 Lansing, MI 48909-7671

517-322-5103 800-381-5111

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### **Doug A. Ringler, CPA, CIA**Auditor General

201 N. Washington Square, Sixth Floor • Lansing, Michigan 48913 • Phone: (517) 334-8050 • www.audgen.michigan.gov

#### Independent Auditor's Report

Mr. Scott Koenigsknecht, Chair
Michigan Public School Employees' Retirement System Board
Stevens T. Mason Building
and
Mr. David B. Behen, Director
Department of Technology, Management, and Budget
Lewis Cass Building
and
Ms. Kerrie L. Vanden Bosch, Director
Office of Retirement Services
Stevens T. Mason Building
Lansing, Michigan

Dear Mr. Koenigsknecht, Mr. Behen, and Ms. Vanden Bosch:

We have audited the accompanying schedules of employer allocations of the Michigan Public School Employees' Retirement System as of and for the fiscal year ended September 30, 2015 and the related notes. We have also audited the respective totals for non-universities and universities for the columns titled September 30, 2015 net pension liability, total deferred outflows of resources excluding employer specific amounts, total deferred inflows of resources excluding employer specific amounts, and pension expense excluding that attributable to employer-paid member contributions (specified column totals) included in the accompanying schedule of collective pension amounts of the System as of and for the fiscal year ended September 30, 2015 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 schedules that are free from material misstatement, whether due to fraud or error.

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

Our responsibility is to express opinions on the schedules of employer allocations and the specified column totals included in the schedule of collective pension amounts 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 schedules of employer allocations and the specified column totals included in the schedule of collective pension amounts are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedules of employer allocations and the specified column totals included in the schedule of collective pension amounts. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the schedules of employer allocations and the specified column totals included in the schedule of collective



Mr. Scott Koenigsknecht, Chair Mr. David B. Behen, Director Ms. Kerrie L. Vanden Bosch, Director Page 2

pension amounts, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the schedules of employer allocations and the specified column totals included in the schedule of collective pension amounts 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 entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the schedules of employer allocations and the specified column totals included in the schedule of collective pension amounts.

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 in the first paragraph present fairly, in all material respects, the employer allocations and the respective non-universities' and universities' September 30, 2015 net pension liability, total deferred outflows of resources excluding employer specific amounts, total deferred inflows of resources excluding employer specific amounts, and pension expense excluding that attributable to employer-paid member contributions for the Michigan Public School Employees' Retirement System as of and for the fiscal year ended September 30, 2015 in accordance with accounting principles generally accepted in the United States of America.

#### **Other Matter**

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the System as of and for the fiscal year ended September 30, 2015, and our report thereon, dated December 30, 2015, expressed an unmodified opinion on those financial statements.

#### **Restriction on Use**

Our report is intended solely for the information and use of the Michigan Public School Employees' Retirement System Board, the Department of Technology, Management, and Budget, the Office of Retirement Services, and the System's participating employers and their auditors and is not intended to be and should not be used by anyone other than these specified parties.

Sincerely,

Doug Ringler Auditor General July 14, 2016

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Employer		Total Required Employer	Proportionate
Number	Employer Name	Contributions	Share
	Detroit Public Schools	\$ 68,163,372	0.0353337397
5900	Alcona Community Schools	782,911	0.0004058362
5930	Autrain-Onota Public Schools	98,194	0.0000509008
5950	Burt Township School District	95,861	0.0000496915
5980	Munising Public Schools	774,818	0.0004016414
5990	Superior Central School District	343,404	0.0001780100
6000	Allegan Area Educational Service Agency	2,026,419	0.0010504317
6370	Glenn-Ganges School District #4	58,672	0.0000304136
7000	Allegan Public Schools	2,778,746	0.0014404143
7020	Plainwell Community School	2,741,998	0.0014213652
7030	Hopkins Public School	1,596,266	0.0008274541
7040	Fennville Public School	1,346,620	0.0006980452
7050	Martin Public Schools	578,263	0.0002997533
7060	Otsego Public Schools	2,386,810	0.0012372470
7070	Saugatuck Public Schools	1,056,230	0.0005475160
7080	Wayland Union Schools	3,062,399	0.0015874508
7090	Alpena-Montmorency-Alcona Educational Service District	769,094	0.0003986742
7120	Alpena Public Schools	4,125,049	0.0021382951
7210	Ellsworth Community School	230,439	0.0001194523
7220	Central Lake-Antrim County Public Schools	432,009	0.0002239400
7230	Alba Public Schools	164,006	0.0000850154
7240	Elk Rapids Schools	1,438,988	0.0007459259
7250	Bellaire Public Schools	377,268	0.0001955636
7270	Mancelona Public Schools	945,807	0.0004902766
7470	Arenac-Eastern High School	197,014	0.0001021260
7480	Au Gres-Sims School District	375,101	0.0001944403
7520	Arvon Township Schools	23,666	0.0000122678
7540	Baraga Township Schools	569,680	0.0002953043
	L'Anse Public Schools	716,269	0.0003712912
	•	613,583	0.0003180623
7980	Delton-Kellogg Schools	1,284,835	0.0006660180
8000	Hastings Area School District	2,665,468	0.0013816945
8020	Thornapple-Kellogg School	3,272,572	0.0016963982
8040	Bay-Arenac Intermediate School District	3,950,015	0.0020475632
8630	Bangor Township Schools	2,569,163	0.0013317731
8640	Bay City Public Schools	9,034,350	0.0046831217
8650	Essexville-Hampton Public Schools	1,775,209	0.0009202123
8680	Pinconning Area Schools	1,358,492	0.0007041995
8830	Berrien Regional Educational Service Agency	3,153,091	0.0016344627
9250	Riverside-Hager School District #6	68,200	0.0000353526
9600	River School	88,195	0.0000457174
9720	Buchanan Community Schools	1,630,017	0.0008449492
9760	Bridgman Public Schools	1,090,321	0.0005651879
9780	New Buffalo Area Schools	1,374,482	0.0007124881

Employer		Total Required Employer	Proportionate
Number	<b>Employer Name</b>	Contributions	Share
9790	Niles Public Schools	3,814,089	0.0019771035
9800	Brandywine Public Schools	1,385,699	0.0007183026
9810	Berrien Springs Public Schools	2,455,447	0.0012728261
9820	Eau Claire Public Schools	1,057,280	0.0005480607
9830	St Joseph Public Schools	3,062,452	0.0015874786
9850	Watervliet Public Schools	1,463,995	0.0007588890
9870	Branch County Intermediate School District	2,255,554	0.0011692078
10150	Bronson Community School	1,045,090	0.0005417417
10160	Coldwater Community Schools	3,009,011	0.0015597763
10180	Quincy Community Schools	1,202,679	0.0006234310
10190	Union City Community Schools	1,245,895	0.0006458325
10200	Calhoun County Intermediate School District	5,330,002	0.0027629045
10790	Albion Public Schools	699,454	0.0003625748
10800	Athens Area School	566,592	0.0002937035
10810	Battle Creek Public Schools	6,298,124	0.0032647485
10820	Lakeview School District	4,586,476	0.0023774843
10860	Harper Creek Community Schools	2,938,577	0.0015232654
10880	Homer Community Schools	1,186,091	0.0006148321
10890	Marshall Public Schools	2,801,863	0.0014523973
10900	Pennfield Schools	2,284,592	0.0011842601
10910	Tekonsha Community School	235,255	0.0001219488
11410	Dowagiac-Union School District	2,458,007	0.0012741533
11430	Cassopolis Public Schools	890,816	0.0004617707
11440	Marcellus Community Schools	707,013	0.0003664932
11450	Edwardsburg Public Schools	2,531,839	0.0013124254
11470	Lewis Cass Intermediate School District	1,100,957	0.0005707012
11560	Beaver Island Community School	184,149	0.0000954569
11570	Boyne Falls Public School	263,205	0.0001364372
11580	Charlevoix Public Schools	1,188,197	0.0006159237
11620	Cheboygan-Otsego-Presque Isle ESD	1,039,119	0.0005386467
11810	Inland Lakes Schools	775,942	0.0004022238
11820	Mackinaw City Public Schools	271,539	0.0001407575
11830	Wolverine Community Schools	391,590	0.0002029877
11840	Eastern U P Intermediate School District	935,920	0.0004851513
11930	DeTour Area Schools	336,367	0.0001743618
11950	Pickford Public Schools	573,635	0.0002973544
11970	Rudyard Public Schools	677,326	0.0003511045
11980	Sault Ste Marie Public Schools	2,502,250	0.0012970876
12000	Brimley Public Schools	637,200	0.0003303045
12010	Whitefish Township School	96,932	0.0000502465
12020	Clare-Gladwin Intermediate School District	1,393,235	0.0007222089
12230	Clare Public Schools	1,549,090	0.0008029991

Employer		Total Required Employer	Proportionate
Number	<b>Employer Name</b>	Contributions	Share
12240	Harrison Community Schools	1,419,185	0.0007356608
	Farwell Area Schools	1,481,194	0.0007678042
12260	Clinton County Intermediate School District	1,755,325	0.0009099049
12930	Bath Community Schools	1,202,272	0.0006232198
12940	St Johns Public Schools	3,324,216	0.0017231686
12950	Fowler Public Schools	574,400	0.0002977506
12980	Dewitt Public Schools	3,287,465	0.0017041182
13070	Delta-Schoolcraft Intermediate School District	1,025,669	0.0005316745
13120	Bark River - Harris Schools	729,077	0.0003779305
13130	Escanaba Area Public Schools	2,694,526	0.0013967571
13170	Gladstone Area Schools	1,444,724	0.0007488991
13190	Rapid River Public Schools	358,606	0.0001858901
13220	Dickinson-Iron Intermediate School District	1,006,607	0.0005217931
13250	Breitung Township Schools	1,895,962	0.0009828070
13270	Iron Mountain Public Schools	979,465	0.0005077237
13310	Eaton County Intermediate School District	1,754,137	0.0009092894
13720	Strange-Oneida School #3	11,693	0.0000060613
13890	Bellevue Community Schools	600,903	0.0003114892
13900	Potterville Public Schools	926,202	0.0004801138
13910	Charlotte Public Schools	2,663,587	0.0013807194
13940	Eaton Rapids Public Schools	2,668,720	0.0013833801
13950	Grand Ledge Public Schools	5,785,298	0.0029989158
13980	Olivet Community Schools	1,690,233	0.0008761634
14140	Alanson Public Schools	262,289	0.0001359624
14150	Harbor Springs Public Schools	1,340,842	0.0006950500
14160	Pellston Public Schools	603,091	0.0003126236
14170	Petoskey Public Schools	2,893,435	0.0014998653
14180	Genesee County Intermediate School District	8,690,561	0.0045049127
14300	Goodrich Area Schools	2,040,531	0.0010577467
14310	Bendle Public Schools	1,260,306	0.0006533028
	Bentley Community Schools	786,110	0.0004074947
14330	Atherton Community Schools	777,911	0.0004032445
14340	Davison Community Schools	5,814,565	0.0030140871
14350	Lake Fenton Community School District	2,067,002	0.0010714688
14360	Fenton Area Public Schools	4,026,346	0.0020871307
14370	Linden Community School	3,000,402	0.0015553134
	Flint Community Schools	7,108,779	0.0036849665
14400	Carman-Ainsworth Community School District	5,702,298	0.0029558914
	Flushing Community Schools	4,704,062	0.0024384372
14450	Swartz Creek Community Schools	4,162,798	0.0021578628
14460	Mt Morris Consolidated Schools	2,537,159	0.0013151832
14470	Genesee School District	830,844	0.0004306832

Employer		Total Required Employer	Proportionate
Number	Employer Name	Contributions	Share
	Kearsley Community Schools	3,673,529	0.0019042416
14490	Grand Blanc Community Schools	8,815,368	0.0045696085
14500	Montrose Community Schools	1,433,375	0.0007430164
14510	Beecher Community School District	1,362,801	0.0007064331
	Westwood Heights Schools	1,119,039	0.0005800747
14530	Clio Area School District	3,299,048	0.0017101225
14790	Beaverton Rural School District	1,115,802	0.0005783966
14800	Gladwin Community Schools	1,689,552	0.0008758102
14830	Bessemer Area School District	439,555	0.0002278513
14890	Wakefield Township Schools	356,577	0.0001848385
14900	Watersmeet Township School District	373,957	0.0001938477
14910	Traverse Bay Area Intermediate School District	5,888,131	0.0030522213
15130	Kingsley Area School	1,282,715	0.0006649188
15150	Traverse City Public Schools	11,385,930	0.0059021069
15170	Gratiot-Isabella Intermediate School District	2,098,134	0.0010876064
16060	Alma Public Schools	2,454,911	0.0012725482
16070	Ashley Community School	272,835	0.0001414292
16080	Fulton Schools	1,034,109	0.0005360493
16090	Ithaca Public Schools	1,317,776	0.0006830933
16100	St Louis Public Schools	1,168,345	0.0006056334
16120	Breckenridge Community Schools	771,432	0.0003998858
16130	Hillsdale County Intermediate School District	1,344,228	0.0006968053
16270	North Adams-Jerome Public Schools	311,009	0.0001612171
16280	Camden-Frontier School	545,058	0.0002825406
16290	Jonesville Community Schools	1,548,904	0.0008029028
16300	Hillsdale Community Schools	1,540,674	0.0007986368
16310	Litchfield Community Schools	305,697	0.0001584637
16320	Pittsford Area Schools	626,039	0.0003245186
16330	Reading Community School	856,861	0.0004441698
16340	Waldron Area Schools	268,550	0.0001392079
16350	Copper Country Intermediate School District	880,692	0.0004565231
16390	Adams Township School District	397,843	0.0002062291
16400	Calumet Public Schools	1,439,068	0.0007459672
16420	Chassell Township Schools	210,590	0.0001091630
16440	Elm River Township Schools	27,840	0.0000144314
16450	Hancock Public Schools	718,574	0.0003724859
16470	Dollar Bay-Tamarack City Area Schools	321,360	0.0001665830
16480	Houghton-Portage Township School District	1,295,908	0.0006717575
16490	Lake Linden-Hubbell Public School	456,455	0.0002366121
16500	Stanton Township Public Schools	145,509	0.0000754274
16510	Huron Intermediate School District	1,442,416	0.0007477032
16600	Caseville Public School	287,228	0.0001488902

Employer Number	Employer Name	Total Required Employer Contributions	Proportionate Share
	Big Burning-Colfax #1F School	22,170	0.0000114925
16780	Church School	28,899	0.0000114923
17020	Adams-Sigel #3 School	21,146	0.0000149803
17020	Eccles-Sigel #4 School	21,140	0.0000109014
17030	Kipper School	15,883	0.0000110040
17040	Verona Mills School	24,339	0.0000082330
17110	Ubly Community Schools	852,876	0.0004421038
17110	North Huron Schools	460,386	0.0004421038
17170	Port Hope Community Schools	17,906	0.0002380457
17170	Harbor Beach Community School District	507,832	0.0000632440
17200	Bad Axe Public Schools	1,123,673	0.0002032440
17220	Ingham Intermediate School District	4,909,546	0.0005324707
17710	Holt Public Schools	6,896,856	0.0025449354
17740	East Lansing Public Schools	4,143,828	0.0033731123
	Dansville Schools	836,187	0.0021430233
17760	Lansing Public Schools	16,375,652	0.0084886208
17830	Webberville Community Schools	585,861	0.0003036918
	Leslie Public Schools	1,537,428	0.0007969543
17850	Haslett Public Schools	3,051,206	0.0007707543
17860	Okemos Public Schools	5,305,581	0.0027502454
17890	Stockbridge Community Schools	1,583,907	0.0008210472
17900	Mason Public Schools	3,698,040	0.0019169470
	Williamston Community Schools	2,062,213	0.00101689862
17920	Ionia County Intermediate School District	2,962,152	0.0015354862
17940	Coon-Berlin Township School District #3	23,765	0.0000123193
18140	Haynor- Easton Township School District #6	25,566	0.0000132526
	North Levalley School #2	12,694	0.0000065800
18640	Saranac Community Schools	1,009,353	0.0005232168
18660	Ionia Public Schools	3,120,129	0.0016173761
18680	Pewamo-Westphalia Community School District	641,007	0.0003322776
18700	Belding Area Schools	1,929,607	0.0010002471
18710	Portland Public Schools	1,822,345	0.0009446460
18720	Iosco Regional Educational Service Agency	553,718	0.0002870299
18760	Oscoda Area Schools	1,343,348	0.0006963490
18770	Hale Area Schools	353,643	0.0001833172
18780	Tawas Area Schools	1,284,790	0.0006659944
19220	Shepherd Public Schools	1,857,171	0.0009626991
19230	Mt Pleasant Public Schools	4,376,368	0.0022685709
19240	Beal City Schools	681,544	0.0003532907
19290	Bois Blanc Pines School District	10,000	0.0000051836
19310	Moran Township School District	114,727	0.0000594710
19340	Les Cheneaux Community Schools	281,496	0.0001459184

Employer		Total Required Employer	Proportionate
Number	<b>Employer Name</b>	<b>Contributions</b>	Share
19370	Mackinac Island Public School	160,221	0.0000830538
19390	St Ignace Public Schools	620,643	0.0003217218
19400	Jackson Intermediate School District	6,453,410	0.0033452440
19730	East Jackson Community Schools	1,226,398	0.0006357259
19750	Columbia School District	1,421,785	0.0007370084
19760	Concord Community Schools	725,832	0.0003762482
19770	Grass Lake Community Schools	1,329,117	0.0006889725
19780	Hanover Horton School District	1,313,943	0.0006811065
19800	Jackson Public Schools	6,102,376	0.0031632789
19810	Michigan Center School District	1,596,146	0.0008273916
19830	Napoleon Community School District	1,520,929	0.0007884015
19840	Northwest School District	3,327,440	0.0017248397
19860	Springport Public School	1,024,716	0.0005311806
19880	Vandercook Lake Public Schools	1,439,931	0.0007464150
19890	Kalamazoo Regional Educational Service Agency	5,515,117	0.0028588625
20080	Climax-Scotts Community School	560,471	0.0002905307
20090	Comstock Public Schools	2,070,222	0.0010731377
20100	Galesburg-Augusta Community School District	1,047,648	0.0005430678
20110	Kalamazoo Public Schools	16,266,125	0.0084318456
20140	Parchment School District	1,777,176	0.0009212322
20170	Portage Public Schools	9,755,792	0.0050570943
20200	Vicksburg Community Schools	2,925,078	0.0015162680
20210	Schoolcraft Community Schools	1,098,577	0.0005694675
20260	Crawford-Excelsior School District #1	36,284	0.0000188085
20390	Kalkaska Public Schools	1,637,630	0.0008488959
20400	Kent County Intermediate School District	11,364,678	0.0058910901
21660	Rockford Public Schools	9,314,529	0.0048283576
21670	Byron Center Public Schools	4,350,362	0.0022550901
21680	Caledonia Community Schools	5,512,241	0.0028573719
21700	Grand Rapids Public Schools	24,876,200	0.0128950365
21710	East Grand Rapids Public Schools	3,467,467	0.0017974254
21740	Lowell Area Schools	3,887,633	0.0020152264
21750	Cedar Springs Public Schools	3,583,021	0.0018573249
21780	Godwin Heights Public Schools	2,783,872	0.0014430714
21800	Comstock Park Public Schools	2,410,398	0.0012494743
21820	Sparta Area Schools	2,689,083	0.0013939359
		1,570,593	0.0008141457
21870	Grandville Public Schools	6,401,503	0.0033183369
21900	•	2,153,774	0.0011164482
21910	Kelloggsville Public Schools	2,554,264	0.0013240497
21940	Grant Township School	19,325	0.0000100177
22110	Baldwin Community Schools	837,492	0.0004341296

Employer		Total Required Employer	Proportionate
Number	Employer Name	Contributions	Share
22120	Lapeer County Intermediate School District	1,474,402	0.0007642835
22690	Almont Community Schools	1,498,958	0.0007770127
22700	Dryden Community Schools	533,278	0.0002764344
22710	Imlay City Community Schools	2,175,094	0.0011275000
22720	Lapeer Public Schools	5,993,494	0.0031068382
22730	North Branch Area Schools	2,345,755	0.0012159652
22740	Lakeville Community Schools	1,254,664	0.0006503784
22770	Glen Lake Community Schools	1,283,523	0.0006653380
22790	Northport Public School	441,003	0.0002286021
22800	Leland Public School	702,615	0.0003642132
22810	Suttons Bay Public Schools	721,554	0.0003740310
22830	Lenawee Intermediate School District	3,587,090	0.0018594343
23250	Adrian Public Schools	3,603,567	0.0018679753
23260	Blissfield Community School District	1,038,748	0.0005384543
23270	Onsted Community School	1,531,302	0.0007937787
23280	Clinton Community School	1,190,540	0.0006171384
23300	Hudson Area Schools	1,089,190	0.0005646015
23310	Sand Creek Community Schools	1,001,058	0.0005189168
23320	Madison School District #2	1,967,592	0.0010199377
23330	Britton Deerfield Schools	853,703	0.0004425327
23340	Morenci Area Schools	727,756	0.0003772458
23350	Tecumseh Public Schools	2,442,474	0.0012661014
23360	Addison Community School	975,475	0.0005056556
23370	Livingston Intermediate School District	4,878,265	0.0025287384
23680	Brighton Area Schools	7,178,602	0.0037211608
23690	Fowlerville Community Schools	3,193,632	0.0016554778
23700	Hartland Consolidated Schools	5,831,693	0.0030229653
23710	Howell Public Schools	7,616,195	0.0039479950
23720	Pinckney Community Schools	3,384,053	0.0017541861
23770	Tahquamenon Area School District	737,159	0.0003821198
23780	Macomb Intermediate School District	12,661,946	0.0065635532
23850	Armada Area Schools	2,009,389	0.0010416037
23860	Romeo Community Schools	6,413,157	0.0033243779
23870	Anchor Bay School District	7,040,585	0.0036496170
23890	Mt Clemens Community Schools	1,144,436	0.0005932395
23910	Clintondale Community Schools	2,591,159	0.0013431751
23920	Fraser Public Schools	6,725,922	0.0034865055
23930	East Detroit School District	3,428,962	0.0017774655
23950	Roseville Community Schools	6,275,380	0.0032529587
23970	L'Anse Creuse Public Schools	14,526,067	0.0075298545
23980	Lake Shore Public Schools	5,270,474	0.0027320473
23990	Lakeview Public Schools	4,681,120	0.0024265445

Employer		Total Required Employer	Proportionate
Number	<b>Employer Name</b>	Contributions	Share
24000	South Lake Public Schools	2,685,768	0.0013922175
24010	New Haven Community Schools	1,350,089	0.0006998434
24020	Memphis Community Schools	977,161	0.0005065295
24030	Richmond Community Schools	1,588,603	0.0008234816
24040	Utica Community Schools	35,809,703	0.0185626196
24060	Warren Consolidated Schools	20,722,531	0.0107419057
24070	Center Line Public Schools	4,051,405	0.0021001206
24080	Warren Woods Public Schools	4,653,547	0.0024122521
24090	Vandyke Public Schools	3,443,801	0.0017851579
24100	Fitzgerald Public Schools	3,422,261	0.0017739923
24110	Manistee Intermediate School District	638,547	0.0003310025
24250	Bear Lake School	302,183	0.0001566423
24270	Manistee Public Schools	1,623,427	0.0008415333
24300	Onekama Consolidated Schools	409,753	0.0002124032
24350	Wells Township School #18	35,906	0.0000186126
24390	Gwinn Area Community Schools	1,215,757	0.0006302100
24400	Ishpeming Public Schools	890,415	0.0004615628
24420	Marquette Area Public Schools	3,534,190	0.0018320122
24450	Negaunee Public School	1,762,085	0.0009134090
24460	Powell Township School District	107,421	0.0000556835
24470	Republic-Michigamme Schools	266,756	0.0001382777
24500	West Shore Educational Service District	1,935,218	0.0010031559
24680	Mason County Central School District	1,207,242	0.0006257959
24690	Mason County-Eastern-Custer #5 School District	459,551	0.0002382168
24710	Ludington Area Schools	2,322,019	0.0012036616
24720	Mecosta-Osceola Intermediate School District	2,181,959	0.0011310587
24880	Big Rapids Public Schools	1,975,965	0.0010242777
24930	Menominee County Intermediate School District	464,923	0.0002410016
25050	Menominee Area Public Schools	1,512,496	0.0007840302
25070	Carney-Nadeau Public School	335,611	0.0001739703
25100	Midland County Educational Service Agency	1,720,281	0.0008917391
25600	Midland Public Schools	9,956,195	0.0051609769
25610	Bullock Creek School District	2,169,511	0.0011246059
25620	Coleman Community Schools	801,415	0.0004154281
25740	Lake City Area Schools	1,183,997	0.0006137469
25750	McBain Rural Agricultural Schools	1,049,845	0.0005442064
25760	Monroe County Intermediate School District	4,712,320	0.0024427179
25920	Airport Community Schools	2,658,646	0.0013781584
25930	Bedford Public Schools	5,237,007	0.0027146991
25940	Dundee Community Schools	1,457,371	0.0007554554
25950	Jefferson Schools	2,610,404	0.0013531511
25960	Ida Public Schools	1,569,161	0.0008134035

Employer Number	Employer Name	Total Required Employer Contributions	Proportionate Share
	Monroe Public Schools	5,701,662	0.0029555618
25990	Mason Consolidated Schools	1,176,760	0.0006099952
26000	Summerfield Schools	728,211	0.0003774814
	Whiteford Agricultural Schools	618,396	0.0003205570
26020	Montcalm Area Intermediate School District	2,044,175	0.0010596355
	Lakeview Community Schools	1,176,487	0.0006098538
26560	Greenville Public Schools	4,227,002	0.0021911443
26600	Vestaburg Community School	616,451	0.0003195485
26660	Atlanta Community Schools	265,908	0.0001378385
	Hillman Community School	531,213	0.0002753641
26680	Muskegon Area Intermediate School District	2,919,454	0.0015133529
27080	Fruitport Community Schools	3,472,368	0.0017999659
27100	Holton Public Schools	821,223	0.0004256962
27120	Montague Area Public Schools	1,685,880	0.0008739070
	Muskegon City Public Schools	5,136,480	0.0026625889
27160	Orchard View Schools	3,057,678	0.0015850036
	Reeths-Puffer Schools	4,292,224	0.0022249532
27200	Muskegon Heights City Public Schools	18,041	0.0000093520
27210	North Muskegon Public Schools	1,044,474	0.0005414223
27270	Ravenna Public Schools #24	1,199,603	0.0006218362
27280	Whitehall District Schools	2,710,770	0.0014051775
27300	Newaygo County RESA	1,948,497	0.0010100393
27690	Big Jackson School District	25,725	0.0000133351
27830	Grant Public Schools	1,932,294	0.0010016400
27840	Newaygo Public Schools	1,738,421	0.0009011425
27860	Hesperia Community Schools	1,163,613	0.0006031801
27880	Fremont Public Schools	2,465,543	0.0012780594
27890	White Cloud Public Schools	966,766	0.0005011410
27900	Oakland County Intermediate School District	8,887,478	0.0046069881
27970	Rochester Community Schools	19,199,906	0.0099526249
27980	Avondale School District	4,399,178	0.0022803951
27990	Birmingham Public Schools	14,602,167	0.0075693021
28000	Bloomfield Hills School District	12,032,387	0.0062372093
28020	Brandon School District	2,867,002	0.0014861634
28030	Walled Lake Consolidated School	19,370,304	0.0100409539
28040	Farmington Public Schools	18,708,567	0.0096979307
28050	Clarenceville School District	2,499,624	0.0012957259
28060	Holly Area Schools	3,859,595	0.0020006920
28070	Clarkston Community Schools #3F	10,040,657	0.0052047594
28080	South Lyon Community Schools	8,324,181	0.0043149926
28090	Huron Valley School Dist #4f	11,461,285	0.0059411681
28100	Novi Community School District	9,022,432	0.0046769440

Employer		Total Required Employer	Proportionate
Number	<b>Employer Name</b>	Contributions	Share
	Lake Orion Community School #3	9,631,193	0.0049925062
	Oxford Area Community School	5,875,664	0.0030457589
	Pontiac City School District	5,365,168	0.0027811335
28150	Oak Park School District	3,929,327	0.0020368389
28160	Lamphere Public Schools	4,172,951	0.0021631258
28170	Royal Oak City School District	6,051,796	0.0031370598
28180	Berkley School District	6,378,302	0.0033063105
28190	Hazel Park Public Schools	5,029,451	0.0026071085
28200	Ferndale City School District	3,733,297	0.0019352232
28210	Madison District Public Schools	1,576,271	0.0008170893
28220	Southfield Public Schools	10,911,624	0.0056562415
28230	Troy City School District	16,281,923	0.0084400351
28240	Clawson City School District	2,473,486	0.0012821769
28250	Waterford School District	13,208,744	0.0068469959
28260	West Bloomfield Schools	7,365,180	0.0038178770
28820	Hart Public Schools	1,422,334	0.0007372928
28830	Walkerville Public Schools	321,303	0.0001665533
28840	Pentwater Public Schools	344,247	0.0001784469
28850	Shelby Public Schools	1,633,894	0.0008469590
29180	Ontonagon Area School District	386,658	0.0002004311
29540	Marion Public School	593,811	0.0003078131
29550	Evart Public Schools	1,011,418	0.0005242874
29560	Reed City Public School District	1,389,556	0.0007203020
29600	Mio-AuSable Schools	652,181	0.0003380701
29610	Fairview Area Schools	351,221	0.0001820618
29650	Gaylord Community Schools	3,258,258	0.0016889781
29660	Johannesburg-Lewiston Area Schools	761,770	0.0003948773
29670	Vanderbilt Area School	122,997	0.0000637578
29690	Ottawa Area Intermediate School District	5,006,311	0.0025951134
30620	Hudsonville Public Schools	7,624,096	0.0039520909
30630	Grand Haven Public Schools	8,051,225	0.0041735006
30640	Holland Public Schools	5,211,443	0.0027014474
30700	Coopersville Public Schools	2,875,176	0.0014904005
30720	Spring Lake Public Schools	2,877,138	0.0014914173
30740	Zeeland Public Schools	7,506,630	0.0038912001
30950	Onaway Area Community Schools	707,657	0.0003668272
	Posen Consolidated School	252,536	0.0001309065
30980	Rogers City Area Schools	577,642	0.0002994316
	Roscommon Area Public Schools	1,247,782	0.0006468109
31030	Houghton Lake Community Schools	1,578,053	0.0008180128
31040	Saginaw County Intermediate School District	5,147,981	0.0026685506
31650	Birch Run Area Schools	1,692,111	0.0008771369

Employer Number	Employer Name	Total Required Employer Contributions	Proportionate Share
	Bridgeport-Spaulding Community School District	1,551,521	0.0008042596
*31680	Buena Vista School District	-	-
31700		2,253,721	0.0011682578
		1,590,063	0.0008242386
	Frankenmuth School District	1,254,666	0.0006503791
31730	Merrill Community Schools	671,902	0.0003482930
31740	Hemlock Public Schools	1,203,392	0.0006238005
31750	Saginaw City Schools	6,428,189	0.0033321704
31780	St Charles Community Schools	1,049,144	0.0005438431
	Freeland Community Schools	1,737,173	0.0009004959
31820	•	2,981,332	0.0015454285
32110	East China School District #3	5,160,037	0.0026748005
32410	Yale Public School District	2,309,720	0.0011972861
32420	Algonac Community Schools	1,852,753	0.0009604086
32470	•	1,152,942	0.0005976488
32480	Marysville Public Schools	2,934,168	0.0015209800
	Port Huron Area Schools	10,287,640	0.0053327875
32520	St Joseph County Intermediate School District	1,608,047	0.0008335605
32830	Burr Oak Community Schools	280,194	0.0001452439
32840	Colon Community School	575,789	0.0002984707
32850	Constantine Public Schools	1,345,731	0.0006975843
32860	Mendon Community School	637,955	0.0003306956
32870	Centreville Public Schools	734,651	0.0003808198
32880	Sturgis Public School	3,560,246	0.0018455189
32890	Three Rivers Public Schools	2,733,794	0.0014171127
32900	White Pigeon Community Schools	768,187	0.0003982041
32910	Sanilac County Intermediate School District	870,793	0.0004513917
33390	Carsonville-Port Sanilac School	377,109	0.0001954813
33400	Peck Community Schools	393,663	0.0002040627
33420	Croswell-Lexington Schools	2,163,669	0.0011215775
33430	Brown City Community Schools	916,607	0.0004751399
33440	Deckerville Community School District	659,300	0.0003417601
33450	Marlette Community School	938,709	0.0004865970
33460	Sandusky Community Schools	985,615	0.0005109119
33870	Manistique Area Schools	909,196	0.0004712987
33880	Shiawassee Regional Educational Service District	2,293,598	0.0011889288
34650	Byron Area School	1,060,215	0.0005495821
34660	Corunna Public Schools	2,230,727	0.0011563384
34670	New Lothrop Area Public Schools	902,947	0.0004680594
34680	Owosso Public Schools	3,500,494	0.0018145458
34690	Perry Public Schools	1,189,883	0.0006167976
34700	Morrice Area School	603,988	0.0003130884

<sup>\*</sup>Employer had no statutorily required contributions. See Note 2. The accompanying notes are an integral part of this schedule.

Employer		Total Required Employer	Proportionate
Number	Employer Name	Contributions	Share
	Laingsburg Community Schools	1,140,827	0.0005913686
	Tuscola County Intermediate School District	2,526,295	0.0013095516
35410	Reese Public Schools	825,970	0.0004281569
35420	Cass City Public Schools	1,074,460	0.0005569663
35450	Mayville Community School	710,254	0.0003681732
	Caro Community Schools	1,880,631	0.0009748599
35470	Kingston Community School	650,062	0.0003369716
35480	Millington Community School District	1,180,505	0.0006119366
35490	Vassar Public Schools	1,288,738	0.0006680412
35500	Van Buren County Intermediate School District	4,911,984	0.0025462172
35660	Wood School District #8	20,940	0.0000108545
36080	Mattawan Consolidated School	3,775,988	0.0019573530
36090	Lawton Community Schools	1,044,033	0.0005411936
36100	Bangor Public Schools	1,411,129	0.0007314846
36110	Gobles Public Schools	776,863	0.0004027010
36120	Bloomingdale Public Schools	1,195,530	0.0006197249
36130	Covert Public Schools	569,878	0.0002954066
36140	Decatur Public Schools	884,422	0.0004584567
36150	Hartford Public Schools	1,473,771	0.0007639561
36160	Lawrence Public Schools	711,758	0.0003689530
36170	Paw Paw Public Schools	2,153,408	0.0011162585
36180	South Haven Public Schools	2,338,710	0.0012123134
36190	Washtenaw Intermediate School District	4,963,918	0.0025731382
36590	Ann Arbor Public Schools	24,524,473	0.0127127126
36600	Lincoln Consolidated School	4,827,941	0.0025026523
36610	Manchester Community Schools	1,354,096	0.0007019207
36620	Whitmore Lake Public Schools	1,185,046	0.0006142905
36650	Saline Area Schools	7,495,683	0.0038855254
36660	Dexter Community Schools	4,836,283	0.0025069767
36670	Chelsea School District	3,363,580	0.0017435736
36680	Milan Area Schools	2,847,525	0.0014760671
36690	Ypsilanti Community Schools	5,471,767	0.0028363912
36710	Wayne County RESA	3,393,817	0.0017592474
36740	Flat Rock Community Schools	1,892,943	0.0009812420
36790	Gibraltar School District	3,920,710	0.0020323723
36810	Dearborn Public Schools	27,140,228	0.0140686374
36811	Henry Ford College	8,570,555	0.0044427052
36840	Crestwood School District	4,464,285	0.0023141443
36850	Dearborn Heights School District #7	2,767,282	0.0014344717
36860	Westwood Community Schools	2,278,225	0.0011809599
36870	Ecorse Public Schools	1,129,669	0.0005855846
36880	River Rouge Public School	1,667,870	0.0008645713
36890	Lincoln Park Public Schools	6,194,073	0.0032108119

Employer Number	Employer Name	Total Required Employer Contributions	Proportionate Share
36910	Southgate Community School District	5,616,057	0.0029111866
36920	Allen Park Public Schools	4,493,383	0.0023292280
36930	Melvindale-Northern Allen Park School District	3,215,358	0.0016667402
36940	Grosse Ile Township Schools	2,503,158	0.0012975578
36950	Grosse Pointe Public Schools	12,689,313	0.0065777393
36960	Hamtramck Public Schools	3,315,786	0.0017187987
36970	Harper Woods Public Schools	1,743,424	0.0009037358
36980	Highland Park School District	18,523	0.0000096019
36990	Huron School District	2,927,731	0.0015176435
37000	Livonia Public Schools	22,103,505	0.0114577589
37010	Trenton Public Schools	3,704,229	0.0019201555
37020	Riverview Public Schools	3,028,315	0.0015697828
37040	Garden City Public Schools	6,531,823	0.0033858910
*37070	Inkster Public Schools	-	-
37080	Wayne-Westland Community Schools	15,542,888	0.0080569426
37090	Northville Public Schools	9,770,618	0.0050647799
37100	Plymouth-Canton Community School District	19,962,550	0.0103479558
37110	Redford-Union School District #1	3,902,621	0.0020229956
37120	South Redford School District	3,625,035	0.0018791039
37130	Romulus Community Schools	2,977,416	0.0015433986
37150	Taylor School District	9,563,950	0.0049576499
37160	Van Buren Public Schools	5,490,272	0.0028459839
37170	Wyandotte Public Schools	7,301,152	0.0037846865
37180	Wexford-Missaukee Intermediate School District	2,070,912	0.0010734954
37390	Cadillac Area Public Schools	3,218,022	0.0016681210
37400	Manton Consolidated School District	903,594	0.0004683948
37410	Buckley Community School	382,042	0.0001980385
37430	Mesick Consolidated Schools	675,602	0.0001500303
	Allendale Public Schools	2,856,505	0.0003302103
	Standish-Sterling Community School District	1,760,199	0.0009124316
	Lakeshore Public Schools	3,066,061	0.0015893492
39410	Whittemore-Prescott Area Schools	824,096	0.0004271853
39420	Forest Hills Public Schools	12,831,363	0.0066513735
	Northwestern Michigan College	3,479,346	0.0018035829
39810	Coloma Community Schools	1,817,131	0.0009419434
39830	Morley-Stanwood Community School	1,270,327	0.0006584975
39880	Laker Schools	951,112	0.0004930264
39890	Western School District	3,163,418	0.0016398159
39900	Meridian Public Schools	1,467,430	0.0007606695
39910	Hamilton Community Schools	3,045,044	0.0015784546
39920	Owendale-Gagetown Area Schools	184,365	0.0000955692
39980	Kentwood Public Schools	10,878,169	0.0056388996
39990	Saginaw Township Community Schools	5,545,286	0.0028745013
	West Ottawa Public Schools	8,916,331	0.0046219447
	d no statutorily required contributions. See Note 2.	0,710,001	16 of 30

<sup>\*</sup>Employer had no statutorily required contributions. See Note 2. The accompanying notes are an integral part of this schedule.

Employer Number	Employer Name	Total Required Employer Contributions	Proportionate Share
	Delta College	6,929,499	0.0035920337
	North Central Michigan College	986,277	0.0005112548
	Akron-Fairgrove Schools	294,971	0.0001529038
	Nottawa Community School	124,036	0.0000642965
40360	Stephenson Area Public Schools	568,374	0.0002946274
40370	Chippewa Valley Schools	19,159,501	0.0099316802
40410	Mona Shores School District #29	4,074,405	0.0021120429
40650	Waverly Community Schools	3,634,581	0.0018840521
40660	Northview Public Schools	4,249,359	0.0022027334
	Lakewood School District	1,940,874	0.0010060876
41040	Kenowa Hills Public Schools	3,620,014	0.0018765011
	Wyoming Public Schools	5,128,115	0.0026582530
41440	Durand Area Schools	1,524,737	0.0007903754
	Benzie County Central Schools	1,646,531	0.0008535096
	Frankfort-Elberta Area Schools	679,443	0.0003522018
41470	Tri-County Area Schools	2,094,941	0.0010859515
41490	Gull Lake Community Schools	3,351,986	0.0017375636
41500	Schoolcraft Community College	8,101,320	0.0041994685
41540	Mar Lee School District	350,770	0.0001818279
41690	Maple Valley Schools	1,116,459	0.0005787371
41700	•	1,007,589	0.0005223023
41710	Bay De Noc Community College	1,195,165	0.0006195359
41720	Kaleva Norman Dickson School District	572,161	0.0002965903
41740		1,935,673	0.0010033915
41750		1,675,632	0.0008685949
41790	Macomb Community College	13,328,735	0.0069091955
41810	Charlevoix-Emmet Intermediate School District	2,291,410	0.0011877946
41820	Marquette-Alger Intermediate School District	1,215,597	0.0006301268
	Muskegon County Community College	2,710,505	0.0014050400
	River Valley School District	894,834	0.0004638539
42070	Norway-Vulcan Area Schools	774,756	0.0004016091
	Lake Michigan College	1,323,362	0.0006859888
42120	Ovid-Elsie Area Schools	1,730,572	0.0008970737
42300	Monroe County Community College	2,582,318	0.0013385923
42310	Southwestern Michigan College	854,671	0.0004430344
42370	Pine River Area Schools	1,060,854	0.0005499133
42380	Oakland Community College	13,885,986	0.0071980568
	Lansing Community College	10,628,153	0.0055092989
	Benton Harbor Area Schools	2,578,097	0.0013364039
42500	Montcalm Community College	1,312,512	0.0006803647
42510	Jackson College	2,002,054	0.0010378018
	Gogebic-Ontonagon Intermediate School District	532,387	0.0002759726

Employer		Total Required Employer	Proportionate
Number	<b>Employer Name</b>	Contributions	Share
42560	Coor Intermediate School District	744,771	0.0003860658
42580	Cheboygan Area School District	2,035,195	0.0010549811
42600	West Branch-Rose City Area Schools	2,025,111	0.0010497535
42640	Washtenaw Community College	8,744,763	0.0045330089
42650	North Dickinson School	265,629	0.0001376936
42680	Glen Oaks Community College	468,009	0.0002426012
42730	Mid-Michigan Community College	2,518,698	0.0013056137
42740	Engadine Consolidated School District #4	290,996	0.0001508430
42810	Montabella Community Schools	787,399	0.0004081630
42820	Swan Valley School District	1,814,428	0.0009405421
42850	Crawford-AuSable School District	1,819,558	0.0009432016
42870	Big Bay De Noc School District	226,849	0.0001175916
42900	Gogebic Community College	827,573	0.0004289875
42980	Kalamazoo Valley Community College	4,404,292	0.0022830460
43020	Chippewa Hills School District	2,440,274	0.0012649611
43030	West Iron County Public Schools	914,628	0.0004741141
43040	Forest Park School District	467,357	0.0002422629
43060	Ironwood-Gogebic City Area Schools	969,257	0.0005024320
43080	Ewen-Trout Creek Consolidated School District	245,736	0.0001273817
43100	Kirtland Community College	1,477,066	0.0007656642
43170	West Shore Community College	1,103,370	0.0005719524
43240	St Clair County Community College	2,476,738	0.0012838630
43310	Unionville-Sebewaing Area Schools	735,510	0.0003812650
43440	Jenison Public Schools	5,808,722	0.0030110582
43450	Woodhaven-Brownstown School Dist	5,856,832	0.0030359967
44010	Wayne County Community College	9,456,374	0.0049018856
44920	Charles S Mott Community College	5,981,032	0.0031003779
44960	North Central Area Schools	371,086	0.0001923592
45000	Kellogg Community College	3,069,110	0.0015909296
45780	NICE Community Schools	1,408,728	0.0007302401
46510	Forest Area Schools	575,534	0.0002983388
47180	East Jordan Public Schools	1,091,279	0.0005656847
47190	Boyne City Public Schools	1,433,402	0.0007430304
47200	Mid Peninsula Schools	216,039	0.0001119877
47930	Alpena Community College	1,653,949	0.0008573547
49130	Kalamazoo Public Library	257,511	0.0001334856
49230	Grand Rapids Community College	11,518,880	0.0059710239
60000	Macomb Academy	211,668	0.0001097222
60010	New Branches School	45,259	0.0000234610
	Walden Green Day School Inc	24,423	0.0000126600
60050	Nah Tah Wahsh Public School Academy	309,805	0.0001605933
60070	Windover High School	22,634	0.0000117326

Employer Number	Employer Name	Total Required Employer Contributions	Proportionate Share
	Honey Creek Community School	296,225	0.0001535537
60110	•	150,003	0.0000777570
	Da Vinci Institute	310,226	0.0001608112
	El-Hajj Malik El-Shabazz Academy	252,176	0.0001307199
	A G B U Alex & Marie Manoogian School	354,261	0.0001836378
60300	_	22,886	0.0000118633
60380	· ·	943,453	0.0004890564
	Martin Luther King Jr. Public School Academy	344,407	0.0001785295
	Woodland Park Academy	313,390	0.0001624517
	St Clair County Learning Academy	-	-
	Central Academy	28,188	0.0000146117
	Woodward Academy		-
60510	•	13,990	0.0000072518
	Commonwealth Community Development Academy	209,260	0.0001084735
	Countryside Charter School	492,979	0.0002555450
	Henry Ford Academy	458,957	0.0002379089
	Dearborn Academy	13,918	0.0000072146
	North Star Academy	225,537	0.0001169112
		263,703	0.0001366954
	Summit Academy North	19,819	0.0000102735
	Creative Technologies Academy	273,626	0.0001418391
	Hope Academy	-	-
	Edison Public School Academy	105,070	0.0000544649
	Holly Academy	837,043	0.0004338965
	International Academy Of Flint	-	-
	West Village Academy	27,087	0.0000140411
	Grand Rapids Child Discovery Center	248,860	0.0001290010
	Blue Water Learning Academy	18,149	0.0000094077
61960	Arts Academy In The Woods	268,546	0.0001392059
	Presque Isle Academy II	9,102	0.0000047184
62060	Outlook Academy	89,384	0.0000463337
*62120	St Clair County Academy Of Style	-	-
*62490	Wavecrest Career Academy	-	-
62590	Three Lakes Academy	96,477	0.0000500105
62610	Virtual Learning Academy Of St Clair	130,074	0.0000674260
62620	Michigan Math And Science Academy	17,451	0.0000090460
*62810	St Clair County Career Prep Academy	-	-
62950	Blue Water Middle College Academy	70,147	0.0000363617
63050	Relevant Academy Of Eaton County	25,085	0.0000130034
63430	Muskegon Heights Public School Academy	32,467	0.0000168299
63440	Greater Heights Academy	55,041	0.0000285315
	Rising Stars Academy	90	0.0000000466

<sup>\*</sup>Employer had no statutorily required contributions. See Note 2. The accompanying notes are an integral part of this schedule.

Employer		Total Required Employer	Proportionate
Number	<b>Employer Name</b>	Contributions	Share
63780	Waterford Montessori Academy	73	0.0000000380
70000	Cheboygan Area Public Library	18,193	0.0000094309
70010	Bacon Memorial District Library	9,343	0.0000048433
70020	Willard Library	94,689	0.0000490837
70030	Grosse Pointe Public Library	50,100	0.0000259703
70040	Public Libraries Of Saginaw	147,753	0.0000765907
*70060	Houghton Lake Public Library	-	-
70070	Ann Arbor District Library	143,589	0.0000744319
70090	Flint Public Library	156,931	0.0000813479
70100	Hackley Public Library	127,909	0.0000663040
70120	Mount Clemens Public Library	127,434	0.0000660575
Total		\$ 1,929,129,843	0.9999999997

<sup>\*</sup>Employer had no statutorily required contributions. See Note 2. The accompanying notes are an integral part of this schedule.

Employer Number	Employer Name	tal Required Employer ontributions	Proportionate Share
44730	Central Michigan University	\$ 8,061,201	0.2349278694
44740	Eastern Michigan University	4,720,008	0.1375553560
44750	Michigan Technological University	3,433,137	0.1000520402
44760	Northern Michigan University	3,402,937	0.0991719014
44770	Western Michigan University	7,381,028	0.2151055417
44780	Ferris State University	6,240,513	0.1818674970
44790	Lake Superior State University	1,074,692	0.0313197943
Total		\$ 34,313,516	1.0000000000

### MICHIGAN PUBLIC SCHOOL EMPLOYEES' RETIREMENT SYSTEM SCHEDULE OF COLLECTIVE PENSION AMOUNTS AS OF AND FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2015

Deferred Outflows of Resources Deferred Inflows of Resources

	•	otember 30, 2015 Pension Liability	Ex	ifferences Between pected and Actual xperience	Bet	et Difference ween Projected and Actual Investment Earnings on Pension Plan Investments	hanges of sumptions	(	otal Deferred Outflows of Resources Excluding Employer Specific Amounts*	E	Differences Between xpected and Actual Experience	nges of mptions	I F I	tal Deferred Inflows of Resources Excluding Employer Specific Amounts*	E: A E	nsion Expense xcluding That ttributable to mployer-Paid Member ontributions*
Non-Universities**	\$	24,425,026,747	\$	-	\$	124,670,060	\$ 601,395,886	\$	726,065,946	\$	80,902,842	\$ -	\$	80,902,842	\$	2,064,438,770
Universities**		548,599,975		7,535,352		1,588,713	-		9,124,065		-	-		-		173,706,470
System Total	\$	24,973,626,722	\$	7,535,352	\$	126,258,773	\$ 601,395,886	\$	735,190,011	\$	80,902,842	\$ -	\$	80,902,842	\$	2,238,145,240

<sup>\*</sup> Employer-specific amounts that are excluded from this schedule are the changes in proportion and differences between employer contributions and proportionate share of contributions as well as the related amortization as defined in paragraphs 54-55 of GASB Statement No. 68, Accounting and Financial Reporting for Pensions.

The accompanying notes are an integral part of this schedule.

<sup>\*\*</sup> Employer-level results may not add to the System-wide results due to rounding.

# Michigan Public School Employees' Retirement System Notes to the Schedules of Employer Allocations and Collective Pension Amounts As of and for the Fiscal Year Ended September 30, 2015

#### **Note 1: Plan Description**

#### **Organization**

The Michigan Public School Employees' Retirement System (System or MPSERS) is a cost-sharing, multiple employer, state-wide, defined benefit public employee retirement plan governed by the State of Michigan (State) originally created under Public Act 136 of 1945, re-codified and currently operating under the provisions of Public Act 300 of 1980, as amended. Section 25 of this act establishes the board's authority to promulgate or amend the provisions of the System. The board consists of twelve members – eleven appointed by the Governor and the State Superintendent of Instruction, who serves as an exofficio member.

The System is administered by the Office of Retirement Services within the Michigan Department of Technology, Management & Budget. The Department Director appoints the Office Director, with whom the general oversight of the System resides. The State Treasurer serves as the investment officer and custodian for the System.

### **Plan Membership**

The System's pension plan was established by the State to provide retirement, survivor and disability benefits to public school employees. In addition, the System's health plan provides all retirees with the option of receiving health, dental and vision coverage under the Michigan Public School Employees' Retirement Act. There are 695 participating employers, adjusted for changes to employer status that occurred during the measurement period. The System is a qualified pension trust fund under section 401(a) of the Internal Revenue Code.

By statute, employees of K-12 public school districts, public school academies, district libraries, tax-supported community colleges and seven universities may be members. In 1995, Public Act 272 amended the Retirement Act to exclude new university employees from MPSERS, effective January 1, 1996. These employees became members of an alternative plan. As a result of PA 272, the seven participating university employers (Eastern Michigan University, Central Michigan University, Northern Michigan University, Western Michigan University, Ferris State University, Michigan Technological University, and Lake Superior State University) would be responsible for their own unfunded actuarial accrued liability (UAAL).

Additionally, due to PA 272, separate actuarial valuations are performed for the university employers and the non-university employers (K12 districts, intermediate school districts, charter schools/public school academies, district libraries, and community colleges), and separate employer contribution rates are calculated for the two employer types based on those actuarial valuations. Therefore the net pension liability and pension expense are presented separately for the two employer types.

The System's financial statements are available at www.michigan.gov/mpsers-cafr.

### **Note 2: Summary of Significant Accounting Policies**

#### Governmental Accounting Standards Board (GASB) Statement No. 68

Employers participating in the System are required to report pension information in their financial statements for fiscal periods beginning on or after June 15, 2014, in accordance with Governmental Accounting Standards Board (GASB) Statement No. 68, Accounting and Financial Reporting for Pensions.

The requirements of GASB 68 incorporate provisions intended to reflect the effects of transactions and events related to pensions in the measurement of employer liabilities for pensions and recognition of pension expense and deferred outflows of resources and deferred inflows of resources related to pensions.

The Schedules of Employer Allocations recognize the employers' proportionate share of the collective net pension liability determined in conformity with GASB 68. The Schedule of Collective Pension Amounts recognizes the collective pension expense, including ending net pension liability, deferred inflows of resources and deferred outflows of resources related to the System's pension plan. These schedules were prepared by ORS with assistance from its third-party actuaries and provide employers with the required information for financial reporting related to the System's pension plan as of and for the fiscal year ended September 30, 2015 (the measurement period).

### **Basis of Accounting and Presentation**

The System's financial statements are prepared using the accrual basis of accounting, in accordance with accounting principles generally accepted in the United States (GAAP). Employer contributions are recognized as revenue when due and payable. Benefits and refunds are recognized when due and payable in accordance with the terms of the System.

The Schedules of Employer Allocations and Schedule of Collective Pension Amounts were prepared in conformity with GAAP. The preparation of these schedules required management to make estimates and assumptions that affect certain amounts and disclosures. Actual results could differ from those estimates.

The schedules present elements of the financial statements of the System and its participating employers and are not a complete financial presentation of the System or its participating employers.

#### **Proportionate Share Allocation Methodology**

In determining the proportionate share allocation, GASB 68 requires the basis for each employer's proportion be consistent with the determination of the System's contributions. The System has determined that utilizing the statutorily required employer pension contributions based on reportable compensation during the System's fiscal year is an appropriate allocation methodology. Each employer's proportionate share allocation is determined by dividing each employer's statutorily required pension contributions to the system during the measurement period by the percent of pension contributions required from all applicable employers during the measurement period.

In fiscal year ended September 30, 1995, the System's actuaries allocated the System's net position between non-university employers and university employers based on the employer groups' share of the unfunded actuarial accrued liability. Starting in fiscal year ended September 30, 1996, the actuaries accounted for the member activity and applied the applicable actuarial assumptions for university employers to determine the university employers' net position. With the implementation of GASB Statement No. 68, the actuaries prepared separate valuations for non-university employers and university employers that calculate the total pension liability, net position and net pension liability.

The Schedules of Employer Allocations display the proportionate allocation to contributing employers within the System. Required employer contributions for non-university employers are comprised of pension normal cost, pension unfunded actuarial accrued liability (UAAL), and pension early retirement incentive contributions. Required employer contributions for university employers are comprised of pension normal cost and pension UAAL.

Employers that had no statutorily required contributions for the fiscal year are identified with an asterisk (\*) in the employer allocation schedules. These employers have residual deferred inflows and/or deferred outflows which are being amortized over the current and future year's pension expense.

The Schedules of Employer Allocations have been rounded and present the first ten decimal places.

### **Note 3: Net Pension Liability**

The System's net pension liability is measured as the total pension liability, less the amount of the pension plan's fiduciary net position. In actuarial terms, this is the accrued liability less the market value of assets.

### Net Pension Liability As of October 1, 2014

110 01 0110001 1, 2011	Non-University Employers	University Employers	System Total
Pension Liability	\$ 65,160,887,182	\$ 1,013,910,892	\$ 66,174,798,074
Fiduciary Net Position	(43,134,384,072)	(638,804,892)	(43,773,188,964)
Net Pension Liability	\$ 22,026,503,110	\$ 375,106,000	\$ 22,401,609,110
Fiduciary Net Position as a Percentage of Total Pension Liability	(( 20%	62.00W	(( <b>1 5</b> 0)
Not Dension Lightlites as a Densembers of	66.20%	63.00%	66.15%
Net Pension Liability as a Percentage of Covered-Employee Payroll	250.11%	424.35%	251.84%
<b>Net Pension Liability</b> As of September 30, 2015	NT TI-les-autte	II.	Contant
	Non-University Employers	University Employers	System Total
Pension Liability	\$ 66,312,041,902	\$ 1,043,945,699	\$ 67,355,987,601
Fiduciary Net Position	(41,887,015,147)	(495,345,725)	(42,382,360,872)
Net Pension Liability	\$ 24,425,026,755	\$ 548,599,974	\$ 24,973,626,729
Fiduciary Net Position as a Percentage			
of Total Pension Liability	63.17%	47.45%	62.92%
Net Pension Liability as a Percentage of			
Covered-Employee Payroll	292.61%	691.61%	296.36%

#### **Discount Rate**

A discount rate of 8.0% was used to measure the total pension liability (7.0% for the Pension Plus plan, a hybrid plan provided through non-university employers only). This discount rate was based on the long term expected rate of return on pension plan investments of 8.0% (7.0% for the Pension Plus plan). The projection of cash flows used to determine this discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

#### Sensitivity of the Net Pension Liability to Changes in the Discount Rate

As required by GASB Statement No. 68, the following presents the System's net pension liability for university employers and non-university employers, as well as what the System's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower or 1 percentage point higher:

	1% Decrease (Non-Hybrid/ Hybrid)* 7.0% / 6.0%	Current Single Discount Rate Assumption (Non-Hybrid/ Hybrid)* 8.0% / 7.0%	1% Increase (Non-Hybrid/ Hybrid)* 9.0% / 8.0%
Non-University Employers	\$ 31,490,120,786	\$ 24,425,026,755	\$ 18,468,863,194
University Employers	643,692,607	548,599,974	466,520,603
System Total**	\$ 32,133,813,393	\$ 24,973,626,729	\$ 18,935,383,797

<sup>\*</sup>University employers provide non-hybrid plans only. For non-university employers, the Basic plan and the Member Investment Plan (MIP) are non-hybrid plans. Pension Plus is a hybrid plan, with a defined benefit (pension) component and a defined contribution (DC) component.

#### **Timing of the Valuation**

An actuarial valuation to determine the total pension liability is required to be performed every year. If the actuarial valuation is not calculated as of the System's fiscal year end, the total pension liability is required to be rolled forward from the actuarial valuation date to the System's fiscal year end.

The total pension liability as of September 30, 2015, is based on the results of an actuarial valuation date of September 30, 2014, and rolled forward using generally accepted actuarial procedures.

<sup>\*\*</sup>Employer-level results may not add to the System-wide results due to rounding.

#### **Actuarial Valuations and Assumptions**

Actuarial valuations for the pension plan involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment and mortality.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing of benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

Additional information as of the latest actuarial valuation follows:

#### **Summary of Actuarial Assumptions**

Valuation Date: September 30, 2014 Actuarial Cost Method: Entry Age, Normal

Wage Inflation Rate: 3.5%

Investment Rate of Return

MIP and Basic Plans (Non-Hybrid): 8.0%Pension Plus Plan (Hybrid): 7.0%

Projected Salary Increases: 3.5 - 12.3%, including wage inflation at 3.5%

Cost-of-Living Pension Adjustments: 3% Annual Non-Compounded for MIP Members

Mortality:

RP-2000 Male and Female Combined Healthy Life Mortality Tables, adjusted for mortality improvements to 2025 using projection scale BB. This assumption was first used for the September 30, 2014 valuation of the System. For retirees, 100% of the table rates were used. For active members, 80% of the table rates were used for males and 70% of the table rates were used for females.

#### Notes:

- Assumption changes as a result of an experience study for the periods 2007 through 2012 have been
  adopted by the System for use in the annual pension valuations beginning with the September 30, 2014
  valuation.
- Recognition period for liabilities is the average of the expected remaining service lives of all employees in years is as follows:
  - o University employers: 1.3923
  - o Non-university employers: 4.7158
- Recognition period for assets in years is 5.0000
- Full actuarial assumptions are available in the 2015 MPSERS CAFR (<u>www.michigan.gov/mpsers-cafr</u>).

### Note 4: Pension Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

The following table provides details of the System pension expense for the fiscal year ended September 30, 2015.

Expense	ľ	Non-University Employers	University Employers	System Total
Service Cost	\$	669,326,761	\$ 5,615,952	\$ 674,942,713
Interest on the Total Pension Liability		5,059,407,645	78,119,735	5,137,527,380
Current-Period Benefit Changes		-	-	-
Employee Contributions (shown as negative for addition here)		(393,177,015)	(2,545,277)	(395,722,292)
Projected Earnings on Plan Investments (shown as negative for addition here)		(3,363,267,173)	(49,357,406)	(3,412,624,579)
Pension Plan Administrative Expense <sup>1</sup>		24,133,321	354,004	24,487,325
Other Changes in Plan Fiduciary Net Position <sup>2</sup>		(524,662)	112,992,904	112,468,242
Recognition of Outflow (Inflow) of Resources due to Liabilities		189,562,296	30,383,322	219,945,618
Recognition of Outflow (Inflow) of Resources due to Assets <sup>1</sup>		(121,022,415)	 (1,856,764)	 (122,879,179)
<b>Total Pension Expense</b>	\$	2,064,438,758	\$ 173,706,470	\$ 2,238,145,228

<sup>&</sup>lt;sup>1</sup>The net investment income and the administrative expenses attributable to university and non-university employers are derived by allocating the total MPSERS values in proportion to the average market values of assets.

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in future years' pension expense as follows:

Net Deferred Outflows (Inflows) of Resources

Fiscal Year Ending September 30	_	Non-University Employers	_	University Employers		System Total
2016	\$	68,539,881	\$	5,678,589	\$	74,218,470
2017		68,539,881		(1,856,764)		66,683,117
2018		35,930,898		(1,856,765)		34,074,133
2019		472,152,434		7,159,005		479,311,439
2020		-		-		-
Thereafter	_	<u>-</u>	_	<u>-</u>	_	_
Total	\$	645,163,094	\$_	9,124,065	\$	654,287,159

<sup>&</sup>lt;sup>2</sup>Other includes \$112,468,242 attributable to University employer contribution refund and \$524,662 attributable to a transfer of assets from the University MPSERS group associated with demographic movement between groups.

### **Note 5: Subsequent Event**

On June 21, 2016, the Governor signed into law Public Act 192 of 2016, which transfers the education functions of the Detroit Public Schools to the Detroit Public Schools Community District effective July 1, 2016. Required employer contributions from Detroit Public Schools will end June 30, 2016. Required employer contributions for the Detroit Public Schools Community District will commence July 1, 2016. The Detroit Public Schools will dissolve upon certification that all outstanding debt and operating obligations have been repaid.