Ohio Public Employees Retirement System

Schedule of Collective Pension Amounts and Employer Allocations

As of and for the year ended December 31, 2018

OHIO AUDITOR OF STATE
KEITH FABER

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Board of Trustees
Ohio Public Employees Retirement System
277 East Town Street
Columbus, Ohio 43215-4642

We have reviewed the *Independent Auditors' Report* for the GASB 68 (Pension) related schedules of the Ohio Public Employees Retirement System, Franklin County, prepared by CliftonLarsonAllen LLP, for the audit period January 1, 2018 through December 31, 2018. Based upon this review, we have accepted these reports. The Auditor of State did not audit the accompanying schedules and, accordingly, we are unable to express, and do not express an opinion on them.

Our review was made in reference to the applicable sections of legislative criteria, as reflected by the Ohio Constitution, and the Revised Code, policies, procedures and guidelines of the Auditor of State, regulations and grant requirements. The Ohio Public Employees Retirement System is responsible for compliance with these laws and regulations.

Keith Faber
Auditor of State
Columbus, Ohio

July 2, 2019

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Ohio Public Employees Retirement System
Schedules of Collective Pension Amounts and Employer Allocations
As of and for the year ended December 31, 2018

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INDEPENDENT AUDITORS' REPORT

Board of Trustees
The Ohio Public Employees Retirement System, and
The Honorable Dave Yost, Auditor of State

Report on Schedules

We have audited the accompanying schedules of employer allocations of the Ohio Public Employees Retirement System's (OPERS) Traditional Pension Plan, Combined Plan and Member-Directed Plan (the specified Plans), for the year ended December 31, 2018, and the related notes.

We have also audited the columns titled net pension liability (asset), total deferred outflows of resources, total deferred inflows of resources, and total employer pension expense as of and for the year ended December 31, 2018 and net pension liability (asset) for the year ended December 31, 2017 (specified column totals), included in the accompanying schedules of collective pension amounts of the specified Plans, 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.

Auditors' Responsibility

Our responsibility is to express opinions on the schedules of employer allocations for the specified Plans and the specified column totals included in the schedules of collective pension amounts based on our audits. We conducted our audits 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. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the schedules of employer allocations for the specified Plans and the specified column totals included in the schedules 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 for the specified Plans and the specified column totals included in the schedules of collective pension amounts. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the schedules of employer allocations for the specified Plans and the specified column totals included in the schedules of collective pension amounts, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to OPERS' preparation and fair presentation of the schedules of employer allocations for the specified Plans and the specified column totals included in the schedules 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 OPERS' 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 for the specified Plans and the specified column totals included in the schedules 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 above present fairly, in all material respects, the employer allocations for the specified Plans and the totals for all participating entities of the columns titled net pension liability (asset), total deferred outflows of resources, total deferred inflows of resources, and total employer pension expense of the specified Plans as of and for the year ended December 31, 2018 and the net pension liability (asset) of the specified Plans for the year ended December 31, 2017, 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 OPERS as of and for the year ended December 31, 2018, and our report thereon, dated June 14, 2019, expressed an unmodified opinion on those statements.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated June 14, 2019 on our consideration of OPERS' internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the OPERS' internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering OPERS' internal control over financial reporting and compliance.

Restriction on Use

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

CliftonLarsonAllen LLP

CliftonLarsonAllen LLP

Toledo, Ohio
June 14, 2019

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF COLLECTIVE PENSION AMOUNTS
AS OF AND FOR THE YEAR ENDED DECEMBER 31, 2018

Note - Employers apply their proportionate share to these values for their financial reporting

			Deferred Outflows of Resources[1]					Deferred Inflows of Resources[1]					Pension Expense		
Plan	Beginning Balance December 31, 2017 Net Pension Liability (Asset)	December 31, 2018 Net Pension Liability (Asset)	Differences Between Expected and Actual Experience	Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	Changes of Assumptions	Change in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Outflows of Resources	Differences Between Expected and Actual Experience	Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	Changes of Assumptions	Change in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Employer Pension Expense
Traditional Pension Plan	$15,688,061,327	$27,387,972,593	$1,263,389	$3,717,314,455	$2,384,190,210	N/A	$6,102,768,054	$359,619,843	$0	$0	N/A	$359,619,843	$0	N/A	$6,065,893,462
Combined Plan	($136,132,362)	($111,822,469)	$0	$24,088,375	$24,974,810	N/A	$49,063,185	$45,671,013	$0	$0	N/A	$45,671,013	$0	N/A	$31,030,433
Member-Directed Plan	($3,490,156)	($2,278,489)	$9,484,843	$754,510	$705,868	N/A	$10,945,221	$0	$0	$0	N/A	$0	$0	N/A	($590,606)

[1]Employer specific amounts are excluded from this schedule, including the change in proportionate share and differences between employer contributions and proportionate share of contributions as defined in paragraphs .54 and .55 of GASB Statement No. 68, *Accounting and Financial Reporting for Pensions.*

The deferred amounts do not include the layer(s) of amortization of deferred outflows and inflows that is recognized in current year pension expense.

The accompanying notes are an integral part of the Schedule of Collective Pension Amounts.

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
100200	100208	$867,152.72	$1,214,013.28	$2,081,166.00	0.064201%	$61,731.91	$86,424.71	0.144337%	$88,645.06	$88,645.19	0.155072%	$35,457.94	$1,017,529.69	$1,424,541.12	$2,442,070.81
100300	100308	9,545,339.55	13,363,485.92	22,908,825.47	0.706708%	425,636.47	595,892.11	0.995194%	656,209.38	656,209.28	1.147942%	262,484.63	10,627,185.40	14,878,071.94	25,505,257.34
100300	981078	190,333.44	264,994.31	455,327.75	0.014046%			0.000000%			0.000000%	9.24	190,333.44	265,003.55	455,336.99
100400	100408	759,993.74	1,064,005.91	1,823,999.65	0.056268%	22,511.40	31,515.81	0.052634%	14,222.95	14,222.96	0.024881%	5,675.88	796,728.09	1,115,420.56	1,912,148.65
100410	100418	83,336.94	116,672.41	200,009.35	0.006170%			0.000000%	6,542.48	6,542.47	0.011445%	2,617.00	89,879.42	125,831.88	215,711.30
100420	100428	24,057.93	33,680.99	57,738.92	0.001781%			0.000000%	137.85	137.83	0.000241%	55.14	24,195.78	33,873.96	58,069.74
100430	100438	76,896.74	107,655.72	184,552.46	0.005693%			0.000000%			0.000000%		76,896.74	107,655.72	184,552.46
100500	100508	211,142.35	295,599.25	506,741.60	0.015632%			0.000000%	22,663.70	22,663.70	0.039647%	9,065.39	233,806.05	327,328.34	561,134.39
100800	100808	7,261,021.84	10,165,435.28	17,426,457.12	0.537584%	201,609.18	282,252.75	0.471388%	238,862.63	238,862.43	0.417855%	95,560.21	7,701,493.65	10,782,110.67	18,483,604.32
101000	101008	147,219.14	206,106.97	353,326.11	0.010900%	6,867.24	9,614.10	0.016056%	19,827.17	19,827.15	0.034685%	7,930.96	173,913.55	243,479.18	417,392.73
101500	101508	7,118,531.18	9,966,206.46	17,084,737.64	0.527042%	245,381.58	343,533.99	0.573733%	378,587.20	378,587.35	0.662283%	151,176.45	7,742,499.96	10,839,504.25	18,582,004.21
101600	101608	747,388.71	1,046,342.49	1,793,731.20	0.055334%	7,380.12	10,332.23	0.017256%	18,911.77	18,911.72	0.033083%	7,564.66	773,680.60	1,083,151.10	1,856,831.70
101600	101628	583,933.69	817,508.42	1,401,442.11	0.043233%	3,825.71	5,356.05	0.008945%	63,272.83	63,273.07	0.110687%	25,309.12	651,032.23	911,446.66	1,562,478.89
101700	101708	492,324.28	689,373.42	1,181,697.70	0.036454%	44,599.75	62,439.75	0.104280%	49,492.55	49,492.59	0.086580%	19,676.53	586,416.58	820,982.29	1,407,398.87
101700	101728	215,353.63	301,494.86	516,848.49	0.015944%			0.000000%	13,416.72	13,416.72	0.023471%	5,366.64	228,770.35	320,278.22	549,048.57
101800	101808	72,423.98	101,393.53	173,817.51	0.005362%			0.000000%	7,024.92	7,024.90	0.012289%	2,809.99	79,448.90	111,228.42	190,677.32
102300	102308	647,300.83	906,191.31	1,553,492.14	0.047923%	41,423.36	57,992.45	0.096853%	88,284.51	88,284.51	0.154441%	35,344.34	777,008.70	1,087,812.61	1,864,821.31
102400	102408	104,836.41	146,770.79	251,607.20	0.007762%	4,266.08	5,972.46	0.009975%	14,950.16	14,950.16	0.026153%	5,979.99	124,052.65	173,673.40	297,726.05
102600	102608	20,390.24	28,546.50	48,936.74	0.001510%	7,382.61	10,335.62	0.017261%	499.20	499.20	0.000873%	199.68	28,272.05	39,581.00	67,853.05
103400	103408	550,313.49	770,846.23	1,321,159.72	0.040756%	29,200.32	40,880.52	0.068274%	184,081.20	184,081.21	0.322023%	73,226.62	763,595.01	1,069,034.58	1,832,629.59
104000	104008	1,276,121.24	1,786,571.09	3,062,692.33	0.094480%	62,040.95	86,857.23	0.145059%	72,200.66	72,200.64	0.126304%	28,880.19	1,410,362.85	1,974,509.15	3,384,872.00
104200	104208	834,459.73	1,168,493.49	2,002,953.22	0.061789%	12,420.37	17,299.94	0.028892%	58,417.11	58,417.07	0.102192%	23,206.14	905,297.21	1,267,416.64	2,172,713.85
104300	104308	16,098.87	22,538.45	38,637.32	0.001192%			0.000000%			0.000000%		16,098.87	22,538.45	38,637.32
104400	104408	20,035.83	28,050.38	48,086.21	0.001483%			0.000000%	78.20	78.20	0.000137%	31.30	20,114.03	28,159.88	48,273.91
104500	104508	3,432.00	4,804.80	8,236.80	0.000254%			0.000000%	17,501.12	17,501.12	0.030616%	7,000.49	20,933.12	29,306.41	50,239.53
105000	105008	31,990.25	44,785.88	76,776.13	0.002368%			0.000000%	2,971.34	2,971.35	0.005198%	1,188.41	34,961.59	48,945.64	83,907.23
105100	105108	570,509.83	798,685.88	1,369,195.71	0.042238%	22,435.47	31,409.63	0.052457%	22,043.03	22,043.02	0.038561%	8,843.64	614,988.33	860,982.17	1,475,970.50
105400	105408	455,423.78	637,593.78	1,093,017.56	0.033718%	9,309.60	13,033.54	0.021767%	15,072.16	15,072.17	0.026367%	6,028.87	479,805.54	671,728.36	1,151,533.90
105500	105508	498,612.30	698,058.24	1,196,670.54	0.036916%	27,578.96	38,610.41	0.064483%	36,666.32	36,666.32	0.064142%	14,666.42	562,857.58	788,001.39	1,350,858.97
105600	105608	818.78	1,146.28	1,965.06	0.000061%			0.000000%			0.000000%		818.78	1,146.28	1,965.06
106000	106008	29,085.48	40,719.67	69,805.15	0.002153%			0.000000%			0.000000%		29,085.48	40,719.67	69,805.15
106100	106108	1,981,396.96	2,773,958.77	4,755,355.73	0.146697%	68,760.10	96,264.19	0.160770%	125,517.66	125,517.63	0.219575%	50,207.40	2,175,674.72	3,045,947.99	5,221,622.71
106700	106708	599,056.33	838,679.27	1,437,735.60	0.044352%	49,856.98	69,799.68	0.116572%	50,903.03	50,903.04	0.089047%	20,361.13	699,816.34	979,743.12	1,679,559.46
107100	107108	458,885.68	642,438.34	1,101,324.02	0.033974%	10,490.95	14,687.49	0.024529%	17,685.11	17,685.11	0.030937%	7,074.13	487,061.74	681,885.07	1,168,946.81
107200	107208	231,005.85	323,408.13	554,413.98	0.017103%	9,695.62	13,573.79	0.022669%	20,099.79	20,099.83	0.035162%	8,039.97	260,801.26	365,121.72	625,922.98
109190	109190	16,657.16	23,319.93	39,977.09	0.001233%			0.000000%			0.000000%		16,657.16	23,319.93	39,977.09
109800	109808	36,339.95	50,876.07	87,216.02	0.002691%	9,252.98	12,954.41	0.021635%	6,174.88	6,174.88	0.010802%	2,469.96	51,767.81	72,475.32	124,243.13
109900	109908	118,382.49	165,735.27	284,117.76	0.008765%	5,855.78	8,198.06	0.013692%	4,655.50	4,655.50	0.008144%	1,862.18	128,893.77	180,451.01	309,344.78
110000	110008	754,767.73	1,056,674.80	1,811,442.53	0.055881%	48,163.30	67,429.02	0.112613%	35,464.09	35,464.09	0.062039%	14,185.59	838,395.12	1,173,753.50	2,012,148.62
110010	110018	11,321.43	15,850.00	27,171.43	0.000838%			0.000000%			0.000000%		11,321.43	15,850.00	27,171.43
110100	110108	1,497,634.51	2,096,685.70	3,594,320.21	0.110880%	28,551.14	39,971.70	0.066756%	42,228.96	42,229.04	0.073873%	16,891.40	1,568,414.61	2,195,777.84	3,764,192.45
110200	110208	1,815.68	2,541.96	4,357.64	0.000134%	6,464.26	9,049.93	0.015114%			0.000000%		8,279.94	11,591.89	19,871.83
110400	110400				0.000000%			0.000000%			0.000000%				
110400	110408	6,329,264.74	8,860,730.43	15,189,995.17	0.468592%	227,334.93	318,269.62	0.531539%	259,718.77	259,718.74	0.454340%	104,124.72	6,816,318.44	9,542,843.51	16,359,161.95
110400	111408	1,556,628.86	2,179,260.43	3,735,889.29	0.115247%	25,087.84	35,122.97	0.058659%	62,517.30	62,517.28	0.109365%	25,025.78	1,644,234.00	2,301,926.46	3,946,160.46
110400	980148	1,171,908.74	1,631,655.77	2,803,564.51	0.086486%			0.000000%			0.000000%		1,171,908.74	1,631,655.77	2,803,564.51
110400	980158	1,269,197.33	1,767,094.72	3,036,292.05	0.093666%			0.000000%			0.000000%	18.20	1,269,197.33	1,767,112.92	3,036,310.25
111100	111108	104,764.82	146,670.73	251,435.55	0.007756%			0.000000%	14,445.18	14,445.19	0.025270%	5,778.06	119,210.00	166,893.98	286,103.98
111500	111508	2,770,144.96	3,878,180.63	6,648,325.59	0.205092%	101,450.44	142,030.64	0.237204%	102,436.13	102,436.10	0.179197%	40,995.31	2,974,031.53	4,163,642.68	7,137,674.21
111510	111518	17,631.48	24,684.11	42,315.59	0.001305%			0.000000%			0.000000%		17,631.48	24,684.11	42,315.59
111530	111538	8,438.18	11,813.62	20,251.80	0.000625%	10,652.72	14,913.86	0.024907%	328.44	328.44	0.000575%	131.46	19,419.34	27,187.38	46,606.72
112300	112308	428,771.88	600,271.52	1,029,043.40	0.031745%	7,954.60	11,136.42	0.018599%	6,774.00	6,774.16	0.011850%	2,718.17	443,500.48	620,900.27	1,064,400.75
112400	112408	36,524.11	51,133.72	87,657.83	0.002704%			0.000000%			0.000000%		36,524.11	51,133.72	87,657.83
112500	112508	4,850,776.60	6,791,095.86	11,641,872.46	0.359137%	164,726.15	230,608.99	0.385138%	262,022.08	262,022.34	0.458370%	104,809.24	5,277,524.83	7,388,536.43	12,666,061.26
114000	114008	500,576.51	700,816.37	1,201,392.88	0.037061%	19,341.30	27,077.85	0.045222%	26,725.09	26,725.10	0.046752%	10,680.09	546,642.90	765,299.41	1,311,942.31
114000	981118	206,859.44	288,234.32	495,093.76	0.015273%			0.000000%			0.000000%	(30.82)	206,859.44	288,203.50	495,062.94
114100	114108	5,722,313.58	8,008,506.41	13,730,819.99	0.423578%	264,523.86	369,948.11	0.617847%	385,617.23	385,617.25	0.674581%	157,362.73	6,372,454.67	8,921,434.50	15,293,889.17
114200	114208	1,248,351.42	1,747,743.10	2,996,094.52	0.092426%	89,571.26	125,400.02	0.209429%	163,720.12	163,720.11	0.286404%	65,437.24	1,501,642.80	2,102,300.47	3,603,943.27
114600	114608	5,565,027.23	7,791,098.85	13,356,126.08	0.412019%	269,773.24	377,639.38	0.630692%	284,709.74	284,709.70	0.498058%	113,867.28	6,119,510.21	8,567,315.21	14,686,825.42
114600	981128	43,155.74	60,085.78	103,241.52	0.003185%			0.000000%			0.000000%		43,155.74	60,085.78	103,241.52
115300	115308				0.000000%			0.000000%			0.000000%				
115400	115408	174,961.72	244,946.54	419,908.26	0.012954%	9,679.48	13,551.23	0.022632%			0.000000%		184,641.20	258,497.77	443,138.97
116010	116018	87,857.00	122,999.47	210,856.47	0.006505%			0.000000%	5,937.24	5,937.35	0.010387%	2,374.82	93,794.24	131,311.64	225,105.88

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
116500	116508	65,884.97	92,238.82	158,123.79	0.004878%			0.000000%	6,786.87	6,786.93	0.011873%	2,714.72	72,671.84	101,740.47	174,412.31
116800	116808	138,034.51	193,248.17	331,282.68	0.010220%			0.000000%	6,892.72	6,892.72	0.012058%	2,757.11	144,927.23	202,898.00	347,825.23
116900	116908	2,207,458.40	3,090,439.72	5,297,898.12	0.163433%	54,417.60	76,184.76	0.127235%	68,534.01	68,534.02	0.119890%	27,413.55	2,330,410.01	3,262,572.05	5,592,982.06
117100	117108	173,968.08	243,555.32	417,523.40	0.012880%			0.000000%	5,801.06	5,801.04	0.010148%	2,320.39	179,769.14	251,676.75	431,445.89
118000	118008	2,667,173.26	3,734,039.17	6,401,212.43	0.197469%	74,008.41	103,611.67	0.173041%	191,893.61	191,893.93	0.335690%	76,757.30	2,933,075.28	4,106,302.07	7,039,377.35
118000	118018	1,702,314.39	2,383,274.13	4,085,588.52	0.126035%	66,986.16	93,780.40	0.156622%	177,176.11	177,176.08	0.309943%	70,836.45	1,946,476.66	2,725,067.06	4,671,543.72
118000	118108	6,758,186.46	9,461,446.55	16,219,633.01	0.500355%	100,271.22	140,379.95	0.234447%	115,084.41	115,084.64	0.201324%	46,033.59	6,973,542.09	9,762,944.73	16,736,486.82
118000	118208	309,226.87	432,917.61	742,144.48	0.022894%			0.000000%			0.000000%		309,226.87	432,917.61	742,144.48
118300	118308	5,091,799.88	7,128,634.00	12,220,433.88	0.376985%	217,431.04	304,285.40	0.508184%	344,062.29	344,062.49	0.601887%	137,624.89	5,653,293.21	7,914,606.78	13,567,899.99
118400	118408	2,167,061.30	3,033,887.45	5,200,948.75	0.160443%	101,756.32	142,458.91	0.237919%	98,710.06	98,710.17	0.172679%	39,480.53	2,367,527.68	3,314,537.06	5,682,064.74
119500	119508	1,465,316.55	2,051,444.14	3,516,760.69	0.108488%	36,615.80	51,262.17	0.085612%	219,751.19	219,751.24	0.384422%	87,900.63	1,721,683.54	2,410,358.18	4,132,041.72
120000	120008				0.000000%			0.000000%			0.000000%				
120100	100900				0.000000%			0.000000%			0.000000%				
120100	100908				0.000000%			0.000000%			0.000000%				
120100	120108	15,036,937.97	21,051,630.29	36,088,568.26	1.113286%	652,729.56	913,819.90	1.526162%	609,849.40	609,849.25	1.066842%	244,031.81	16,299,516.93	22,819,331.25	39,118,848.18
120800	120808	3,788,276.01	5,303,574.50	9,091,850.51	0.280472%	58,295.33	81,613.51	0.136302%	90,474.91	90,474.91	0.158273%	36,205.91	3,937,046.25	5,511,868.83	9,448,915.08
120900	120908	1,216,390.69	1,702,969.21	2,919,359.90	0.090059%	7,423.52	10,392.93	0.017357%	29,548.81	29,548.82	0.051691%	11,786.08	1,253,363.02	1,754,697.04	3,008,060.06
120900	120918	68,512.39	95,917.96	164,430.35	0.005072%			0.000000%			0.000000%		68,512.39	95,917.96	164,430.35
120900	120938	89,531.78	125,344.62	214,876.40	0.006629%			0.000000%			0.000000%		89,531.78	125,344.62	214,876.40
120900	120948	103,183.41	144,450.79	247,634.20	0.007639%			0.000000%			0.000000%	6.63	103,183.41	144,457.42	247,640.83
120900	120958	34,610.71	48,454.94	83,065.65	0.002562%			0.000000%			0.000000%		34,610.71	48,454.94	83,065.65
120900	120968	93,549.30	130,969.27	224,518.57	0.006926%			0.000000%			0.000000%		93,549.30	130,969.27	224,518.57
121800	121808	2,484,416.45	3,478,177.54	5,962,593.99	0.183938%	112,549.51	157,569.25	0.263155%	182,510.22	182,510.16	0.319275%	73,010.95	2,779,476.18	3,891,267.90	6,670,744.08
122000	122008	1,443,448.45	2,020,824.40	3,464,272.85	0.106868%	21,435.71	30,009.94	0.050119%	13,865.02	13,864.93	0.024255%	5,546.06	1,478,749.18	2,070,245.33	3,548,994.51
122300	122308	4,601,610.94	6,442,234.85	11,043,845.79	0.340689%	57,295.64	80,213.45	0.133964%	61,672.32	61,672.23	0.107886%	24,698.27	4,720,578.90	6,608,818.80	11,329,397.70
122400	122408	1,009,261.91	1,412,956.09	2,422,218.00	0.074722%	8,683.89	12,157.50	0.020304%	5,092.53	5,092.49	0.008909%	2,044.87	1,023,038.33	1,432,250.95	2,455,289.28
122400	980478	16,113.73	22,435.33	38,549.06	0.001189%			0.000000%			0.000000%		16,113.73	22,435.33	38,549.06
122700	122708	1,027,482.70	1,438,462.62	2,465,945.32	0.076071%	5,768.96	8,076.46	0.013488%	40,447.37	40,447.31	0.070757%	16,190.30	1,073,699.03	1,503,176.69	2,576,875.72
122700	980448	13,109.34	18,252.21	31,361.55	0.000967%			0.000000%			0.000000%		13,109.34	18,252.21	31,361.55
122800	122808	591,356.76	827,900.03	1,419,256.79	0.043782%	24,615.47	34,461.63	0.057554%	29,340.85	29,340.85	0.051328%	11,736.38	645,313.08	903,438.89	1,548,751.97
123200	123208	3,491,632.97	4,888,281.25	8,379,914.22	0.258510%	155,229.21	217,321.28	0.362946%	178,678.62	178,678.75	0.312572%	71,471.34	3,825,540.80	5,355,752.62	9,181,293.42
124100	124108	4,376,461.73	6,126,921.83	10,503,383.56	0.324016%	216,002.21	302,352.69	0.504956%	221,685.75	221,685.68	0.387806%	88,852.67	4,814,149.69	6,739,812.87	11,553,962.56
125400	125408	3,552,722.18	4,973,794.16	8,526,516.34	0.263032%	152,521.83	213,530.14	0.356615%	75,868.23	75,868.08	0.132720%	30,357.21	3,781,112.24	5,293,549.59	9,074,661.83
130500	130508	2,457,078.19	3,439,893.71	5,896,971.90	0.181914%	136,202.30	190,682.91	0.318458%	199,532.21	199,532.27	0.349052%	79,825.29	2,792,812.70	3,909,934.18	6,702,746.88
130500	980188	163,858.71	228,224.68	392,083.39	0.012095%			0.000000%			0.000000%	0.01	163,858.71	228,224.69	392,083.40
130600	130608	1,523,255.13	2,133,353.69	3,656,608.82	0.112802%	47,089.90	65,840.45	0.109960%	86,998.94	86,998.91	0.152192%	33,770.36	1,657,343.97	2,319,963.41	3,977,307.38
130600	980338	67,892.31	94,475.62	162,367.93	0.005009%			0.000000%			0.000000%	(208.88)	67,892.31	94,266.74	162,159.05
130800	130308				0.000000%			0.000000%			0.000000%				
130800	130808	3,054,476.01	4,276,427.44	7,330,903.45	0.226149%	115,330.59	161,462.80	0.269657%	161,399.03	161,399.05	0.282344%	64,393.20	3,331,205.63	4,663,682.49	7,994,888.12
130800	880328				0.000000%			0.000000%			0.000000%				
130800	980328	58,434.28	81,358.35	139,792.63	0.004312%			0.000000%			0.000000%		58,434.28	81,358.35	139,792.63
130900	130908	3,104,986.75	4,343,153.24	7,448,139.99	0.229766%	98,892.30	138,449.04	0.231222%	216,848.66	216,848.44	0.379344%	90,563.32	3,420,727.71	4,789,014.04	8,209,741.75
130900	980218	85,681.68	121,714.66	207,396.34	0.006398%			0.000000%			0.000000%	(3,821.78)	85,681.68	117,892.88	203,574.56
131100	131108	1,053,250.20	1,474,548.63	2,527,798.83	0.077979%	28,695.01	40,172.96	0.067092%	17,510.58	17,510.56	0.030632%	7,004.18	1,099,455.79	1,539,236.33	2,638,692.12
131100	980228	13,981.03	19,465.86	33,446.89	0.001032%			0.000000%			0.000000%		13,981.03	19,465.86	33,446.89
131300	131300				0.000000%			0.000000%			0.000000%				
131300	131308	1,337,015.48	1,872,336.19	3,209,351.67	0.099004%	32,788.84	45,883.03	0.076629%	73,664.69	73,664.64	0.128865%	28,819.75	1,443,469.01	2,020,703.61	3,464,172.62
131300	880358	909.19	1,202.28	2,111.47	0.000065%			0.000000%			0.000000%	221.41	909.19	1,423.69	2,332.88
131300	980358	57,749.16	80,420.04	138,169.20	0.004262%			0.000000%			0.000000%	(15.44)	57,749.16	80,404.60	138,153.76
132300	132308	1,270,356.47	1,778,497.36	3,048,853.83	0.094053%	33,160.53	46,424.74	0.077534%	25,730.69	25,730.68	0.045012%	10,292.26	1,329,247.69	1,860,945.04	3,190,192.73
132300	980268	21,976.32	30,597.74	52,574.06	0.001622%			0.000000%			0.000000%		21,976.32	30,597.74	52,574.06
132500	132508	847,052.41	1,185,872.72	2,032,925.13	0.062713%	8,591.56	12,028.13	0.020088%			0.000000%		855,643.97	1,197,900.85	2,053,544.82
132500	980468	15,535.09	21,629.72	37,164.81	0.001146%			0.000000%			0.000000%		15,535.09	21,629.72	37,164.81
132600	132608	4,035,047.13	5,649,016.14	9,684,063.27	0.298741%	84,452.58	118,220.32	0.197439%	100,739.45	100,739.33	0.176229%	40,349.40	4,220,239.16	5,908,325.19	10,128,564.35
132600	980438	59,887.28	83,282.95	143,170.23	0.004417%			0.000000%			0.000000%	190.69	59,887.28	83,473.64	143,360.92
132700	132708	1,029,962.29	1,441,945.25	2,471,907.54	0.076255%	18,042.44	25,259.42	0.042186%	30,746.60	30,746.61	0.053787%	12,298.62	1,078,751.33	1,510,249.90	2,589,001.23
132700	980428	12,755.22	17,759.14	30,514.36	0.000941%			0.000000%			0.000000%		12,755.22	17,759.14	30,514.36
133000	133008	990,864.56	1,387,268.95	2,378,133.51	0.073362%	18,463.84	25,786.64	0.043066%	4,186.81	4,186.80	0.007324%	1,675.48	1,013,515.21	1,418,917.87	2,432,433.08
134200	134208	2,092,485.38	2,932,304.44	5,024,789.82	0.155008%	20,293.05	28,410.23	0.047448%	4,924.34	4,924.29	0.008614%	(858.09)	2,117,702.77	2,964,780.87	5,082,483.64
134200	174408				0.000000%			0.000000%			0.000000%				
134400	134408	2,685,269.30	3,759,370.15	6,444,639.45	0.198809%	52,979.09	74,170.78	0.123872%	43,894.77	43,894.60	0.076787%	17,557.98	2,782,143.16	3,894,993.51	6,677,136.67
134500	134508	1,874,400.84	2,624,138.98	4,498,539.82	0.138774%	56,920.71	79,689.14	0.133088%	30,454.68	30,454.65	0.053276%	12,200.38	1,961,776.23	2,746,483.15	4,708,259.38
134600	134608	2,569,549.65	3,597,351.07	6,166,900.72	0.190241%	94,372.78	132,121.94	0.220656%	56,406.16	56,406.15	0.098674%	22,574.86	2,720,328.59	3,808,454.02	6,528,782.61

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
134700	134708	3,137,380.36	4,392,208.67	7,529,589.03	0.232278%	70,404.34	98,566.06	0.164614%	43,297.82	43,297.78	0.075743%	17,432.81	3,251,082.52	4,551,505.32	7,802,587.84
134800	134808	2,379,867.85	3,331,809.15	5,711,677.00	0.176198%	35,504.71	49,706.49	0.083014%	31,117.70	31,117.57	0.054436%	12,447.15	2,446,490.26	3,425,080.36	5,871,570.62
135200	135208	1,320,464.56	1,847,685.41	3,168,149.97	0.097733%	22,181.23	31,053.74	0.051863%	17,818.55	17,818.50	0.031171%	8,089.06	1,360,464.34	1,904,646.71	3,265,111.05
135400	135408	1,973,513.31	2,762,845.00	4,736,358.31	0.146111%	15,983.14	22,376.33	0.037370%	23,787.77	23,787.71	0.041613%	9,584.70	2,013,284.22	2,818,593.74	4,831,877.96
135500	135508	2,848,190.68	3,987,458.87	6,835,649.55	0.210871%	53,465.71	74,852.17	0.125010%	29,823.87	29,823.93	0.052173%	11,929.57	2,931,480.26	4,104,064.54	7,035,544.80
135800	135808	1,467,321.53	2,054,240.20	3,521,561.73	0.108636%	21,933.73	30,707.35	0.051284%	32,602.19	32,602.22	0.057033%	13,047.04	1,521,857.45	2,130,596.81	3,652,454.26
135800	980938	15,835.00	22,047.19	37,882.19	0.001169%			0.000000%			0.000000%		15,835.00	22,047.19	37,882.19
139300	139308	(49.79)	26.91	(22.88)	-0.000001%			0.000000%			0.000000%	(47.66)	(49.79)	(20.75)	(70.54)
140100	140108	29,696,636.06	41,575,328.32	71,271,964.38	2.198649%	819,307.13	1,147,015.13	1.915619%	690,684.93	690,684.87	1.208252%	276,240.30	31,206,628.12	43,689,268.62	74,895,896.74
141800	141808	3,461,311.29	4,845,933.77	8,307,245.06	0.256268%	40,305.09	56,334.06	0.094083%	23,602.06	23,601.87	0.041288%	9,426.89	3,525,218.44	4,935,296.59	8,460,515.03
145000	145008	8,072,925.33	11,302,171.13	19,375,096.46	0.597697%	364,205.98	509,850.03	0.851496%	366,739.60	366,739.70	0.641557%	146,639.45	8,803,870.91	12,325,400.31	21,129,271.22
145000	145108	3,436,055.17	4,810,660.23	8,246,715.40	0.254401%	102,538.91	143,398.03	0.239488%	89,757.54	89,757.56	0.157018%	35,823.78	3,628,351.62	5,079,639.60	8,707,991.22
145000	980898	1,170,379.62	1,625,429.27	2,795,808.89	0.086247%			0.000000%			0.000000%	4,329.36	1,170,379.62	1,629,758.63	2,800,138.25
147100	147108	6,718.81	9,406.31	16,125.12	0.000497%			0.000000%			0.000000%		6,718.81	9,406.31	16,125.12
159700	159708	1,282,961.13	1,796,143.46	3,079,104.59	0.094986%	62,259.33	87,163.10	0.145570%	39,988.44	39,988.48	0.069954%	15,995.18	1,385,208.90	1,939,290.22	3,324,499.12
159700	981098	80,714.42	112,379.39	193,093.81	0.005957%			0.000000%			0.000000%		80,714.42	112,379.39	193,093.81
159800	159808	58,842.76	82,380.15	141,222.91	0.004357%			0.000000%			0.000000%		58,842.76	82,380.15	141,222.91
159900	159908	40,863.51	57,209.04	98,072.55	0.003025%			0.000000%			0.000000%		40,863.51	57,209.04	98,072.55
160300	160308	2,780,991.63	3,892,957.80	6,673,949.43	0.205883%	160,163.70	224,216.77	0.374462%	282,763.51	282,763.25	0.494653%	113,548.59	3,223,918.84	4,513,486.41	7,737,405.25
160600	160608	6,326,231.48	8,856,646.95	15,182,878.43	0.468372%	289,311.43	405,037.01	0.676448%	270,164.99	270,164.80	0.472614%	108,139.41	6,885,707.90	9,639,988.17	16,525,696.07
161100	161108	26,425.89	36,996.43	63,422.32	0.001956%			0.000000%			0.000000%		26,425.89	36,996.43	63,422.32
162100	162108	343,988.67	481,584.00	825,572.67	0.025468%	7,386.66	10,341.31	0.017271%	28,339.78	28,339.82	0.049576%	11,335.80	379,715.11	531,600.93	911,316.04
162200	162208	281,919.14	394,686.82	676,605.96	0.020872%	3,640.16	5,096.30	0.008511%	14,807.39	14,807.54	0.025904%	5,922.77	300,366.69	420,513.43	720,880.12
162900	162908	53,076.43	74,307.14	127,383.57	0.003930%	29,466.20	41,252.61	0.068896%			0.000000%		82,542.63	115,559.75	198,102.38
163000	163008	14,122,035.25	19,771,425.86	33,893,461.11	1.045570%	696,574.09	975,028.08	1.628385%	740,995.99	740,996.00	1.296263%	295,688.54	15,559,605.33	21,783,138.48	37,342,743.81
163000	958968	626,453.44	872,215.96	1,498,669.40	0.046232%			0.000000%			0.000000%		626,453.44	872,215.96	1,498,669.40
163010	163010	319,176.61	446,846.73	766,023.34	0.023631%			0.000000%			0.000000%		319,176.61	446,846.73	766,023.34
163100	163108	5,274,052.92	7,383,635.44	12,657,688.36	0.390474%	173,460.48	242,844.58	0.405572%	188,951.05	188,950.65	0.330541%	75,607.94	5,636,464.45	7,891,038.61	13,527,503.06
163100	163110	2,951.98	4,132.76	7,084.74	0.000219%			0.000000%	797.08	797.08	0.001394%	318.85	3,749.06	5,248.69	8,997.75
163100	958978	206,964.63	288,158.30	495,122.93	0.015274%			0.000000%			0.000000%		206,964.63	288,158.30	495,122.93
163200	163208	9,942,324.21	13,918,199.73	23,860,523.94	0.736067%	309,241.79	432,780.37	0.722782%	326,803.58	326,804.04	0.571696%	129,848.74	10,578,369.58	14,807,632.88	25,386,002.46
163200	958908	292,878.63	407,776.55	700,655.18	0.021614%			0.000000%			0.000000%		292,878.63	407,776.55	700,655.18
163300	163300	315,387.90	441,538.39	756,926.29	0.023350%	4,083.67	5,717.06	0.009548%	12,372.07	12,371.98	0.021643%	4,945.53	331,843.64	464,572.96	796,416.60
163300	163308	7,654,179.83	10,716,903.95	18,371,083.78	0.566725%	284,473.69	398,115.63	0.664889%	461,959.14	461,959.27	0.808130%	183,830.93	8,400,612.66	11,760,809.78	20,161,422.44
163300	958958	296,945.46	413,438.99	710,384.45	0.021914%			0.000000%			0.000000%		296,945.46	413,438.99	710,384.45
163400	163408	10,557,488.07	14,781,833.87	25,339,321.94	0.781686%	259,899.23	363,852.45	0.607666%	325,753.87	325,744.13	0.569841%	128,846.76	11,143,141.17	15,600,277.21	26,743,418.38
163400	958998	306,579.08	426,852.78	733,431.86	0.022625%			0.000000%			0.000000%		306,579.08	426,852.78	733,431.86
163500	163508	912,811.55	1,278,124.04	2,190,935.59	0.067588%	18,758.42	26,261.71	0.043859%	14,176.78	14,176.73	0.024800%	5,483.25	945,746.75	1,324,045.73	2,269,792.48
163500	959108	57,242.07	79,698.48	136,940.55	0.004224%			0.000000%			0.000000%		57,242.07	79,698.48	136,940.55
163600	163608	1,017,700.99	1,415,942.05	2,433,643.04	0.075075%	31,562.25	44,045.39	0.073560%	52,834.77	52,834.73	0.092427%	29,957.65	1,102,098.01	1,542,779.82	2,644,877.83
163600	959140	346,068.09	481,888.22	827,956.31	0.025541%			0.000000%			0.000000%	(52.00)	346,068.09	481,836.22	827,904.31
163700	163708	3,962,301.76	5,552,838.21	9,515,139.97	0.293530%	153,581.70	215,014.91	0.359094%	398,643.24	398,644.10	0.697369%	152,498.32	4,514,526.70	6,318,995.54	10,833,522.24
163700	163710	3,390.00	4,746.00	8,136.00	0.000251%			0.000000%			0.000000%		3,390.00	4,746.00	8,136.00
163700	858988	5,515.19	5,722.27	11,237.46	0.000347%			0.000000%			0.000000%	2,038.36	5,515.19	7,760.63	13,275.82
163700	958988	131,845.83	181,730.65	313,576.48	0.009673%			0.000000%			0.000000%	3,104.71	131,845.83	184,835.36	316,681.19
163800	163808	1,542,820.51	2,159,800.71	3,702,621.22	0.114221%	71,536.48	100,151.04	0.167261%	81,791.74	81,791.70	0.143083%	32,741.41	1,696,148.73	2,374,484.86	4,070,633.59
163800	959218	50,806.72	70,738.15	121,544.87	0.003750%			0.000000%			0.000000%		50,806.72	70,738.15	121,544.87
163900	163908	3,293,196.12	4,610,426.41	7,903,622.53	0.243817%	117,594.06	164,631.46	0.274949%	106,570.49	106,570.54	0.186429%	42,667.40	3,517,360.67	4,924,295.81	8,441,656.48
163900	163910	3,226.14	4,516.59	7,742.73	0.000239%			0.000000%			0.000000%		3,226.14	4,516.59	7,742.73
163900	958948	195,274.22	271,881.90	467,156.12	0.014411%			0.000000%			0.000000%		195,274.22	271,881.90	467,156.12
164100	164108	132,868,711.01	186,012,758.88	318,881,469.89	9.837088%	5,983,981.67	8,375,648.32	13.988089%	7,264,965.86	7,265,086.44	12.709200%	2,908,589.11	146,117,658.54	204,562,082.75	350,679,741.29
164100	164120	83,504.97	116,906.81	200,411.78	0.006182%	7,511.63	10,516.23	0.017563%			0.000000%		91,016.60	127,423.04	218,439.64
164100	958918	764,135.45	1,064,163.80	1,828,299.25	0.056401%			0.000000%			0.000000%	(335.23)	764,135.45	1,063,828.57	1,827,964.02
164500	164508	4,807,644.96	6,729,218.68	11,536,863.64	0.355898%	217,209.34	303,853.86	0.507463%	330,685.44	330,685.63	0.578486%	133,974.63	5,355,539.74	7,497,732.80	12,853,272.54
164500	958928	281,096.51	391,354.14	672,450.65	0.020744%			0.000000%			0.000000%	19.17	281,096.51	391,373.31	672,469.82
164600	164608	400,338.96	560,473.30	960,812.26	0.029640%	12,259.52	17,163.44	0.028664%	5,047.14	5,047.19	0.008829%	2,018.85	417,645.62	584,702.78	1,002,348.40
164710	164710	4,851.32	6,791.87	11,643.19	0.000359%			0.000000%			0.000000%		4,851.32	6,791.87	11,643.19
164800	164708	10,598,606.73	14,839,116.03	25,437,722.76	0.784721%	467,805.80	654,927.00	1.093787%	443,969.71	443,968.97	0.776658%	176,487.79	11,510,382.24	16,114,499.79	27,624,882.03
164800	164808	5,176,920.08	7,248,539.14	12,425,459.22	0.383310%	178,755.19	250,081.49	0.417659%	238,387.00	238,386.59	0.417022%	94,661.34	5,594,062.27	7,831,668.56	13,425,730.83
164800	959008	310,753.36	432,664.62	743,417.98	0.022933%			0.000000%			0.000000%		310,753.36	432,664.62	743,417.98
164900	164908	277,659.50	388,825.79	666,485.29	0.020560%	5,728.70	8,020.18	0.013394%	11,186.75	11,186.87	0.019570%	4,372.26	294,574.95	412,405.10	706,980.05
165000	165008	335,566.29	469,792.99	805,359.28	0.024844%	16,026.99	22,437.68	0.037473%	20,869.40	20,869.38	0.036508%	8,347.77	372,462.68	521,447.82	893,910.50
166000	166008	899,943.07	1,259,574.57	2,159,517.64	0.066618%	15,136.98	21,191.65	0.035392%	17,723.75	17,723.09	0.031004%	7,117.00	932,803.80	1,305,606.31	2,238,410.11

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
166000	959028	37,360.46	52,017.31	89,377.77	0.002757%			0.000000%			0.000000%		37,360.46	52,017.31	89,377.77
166100	166108	349,278.91	488,990.75	838,269.66	0.025860%	15,087.91	21,123.26	0.035278%	10,159.12	10,159.12	0.017772%	4,063.70	374,525.94	524,336.83	898,862.77
166200	166208	328,835.69	460,368.95	789,204.64	0.024346%	36,785.22	51,499.00	0.086008%	16,033.84	16,033.77	0.028049%	6,413.59	381,654.75	534,315.31	915,970.06
168100	168108	430,715.41	603,001.65	1,033,717.06	0.031889%	14,130.76	19,782.97	0.033039%	23,951.43	23,951.50	0.041900%	9,580.40	468,797.60	656,316.52	1,125,114.12
168200	168208	113,434.06	158,807.70	272,241.76	0.008398%			0.000000%	10,352.64	10,352.64	0.018110%	4,141.06	123,786.70	173,301.40	297,088.10
170100	170108	11,366,845.57	15,912,988.28	27,279,833.85	0.841548%	211,355.13	295,897.09	0.494175%	472,465.35	472,465.38	0.826509%	189,579.04	12,050,666.05	16,870,929.79	28,921,595.84
170300	170308	2,370,990.05	3,319,383.61	5,690,373.66	0.175541%	44,060.88	61,685.39	0.103020%	85,662.61	85,662.56	0.149854%	34,265.13	2,500,713.54	3,500,996.69	6,001,710.23
171200	171208	2,525,229.74	3,535,330.38	6,060,560.12	0.186961%	42,744.17	59,841.65	0.099941%	53,561.62	53,561.50	0.093698%	21,409.56	2,621,535.53	3,670,143.09	6,291,678.62
171300	171308				0.000000%			0.000000%			0.000000%		0.00		
171400	171408	945,701.12	1,323,969.90	2,269,671.02	0.070016%	5,384.77	7,538.71	0.012590%	18,867.66	18,867.76	0.033006%	7,556.92	969,953.55	1,357,933.29	2,327,886.84
171500	171508	2,866,039.59	4,012,420.92	6,878,460.51	0.212192%	34,775.95	48,686.25	0.081310%	32,503.69	32,503.72	0.056860%	13,031.16	2,933,319.23	4,106,642.05	7,039,961.28
172000	172008	1,291,048.91	1,807,234.04	3,098,282.95	0.095578%	9,348.32	13,087.72	0.021858%	22,490.65	22,490.69	0.039344%	9,228.38	1,322,887.88	1,852,040.83	3,174,928.71
173210	173218	45,218.36	63,305.69	108,524.05	0.003348%			0.000000%			0.000000%		45,218.36	63,305.69	108,524.05
174100	174108	44,821.02	62,749.35	107,570.37	0.003318%			0.000000%	5,925.16	5,925.16	0.010365%	2,370.04	50,746.18	71,044.55	121,790.73
174500	174508	2,707,349.31	3,790,217.14	6,497,566.45	0.200442%	29,687.00	41,561.45	0.069411%	63,764.24	63,764.15	0.111546%	25,570.54	2,800,800.55	3,921,113.28	6,721,913.83
174600	174608	2,552,517.70	3,573,155.25	6,125,672.95	0.188969%	43,520.55	60,928.58	0.101756%	38,559.56	38,559.55	0.067454%	15,786.95	2,634,597.81	3,688,430.33	6,323,028.14
174700	174708	2,114,857.32	2,960,784.09	5,075,641.41	0.156577%	17,821.68	24,950.11	0.041669%	51,192.14	51,192.12	0.089553%	20,488.73	2,183,871.14	3,057,415.05	5,241,286.19
174800	174808	2,275,363.62	3,185,479.00	5,460,842.62	0.168460%	33,320.38	46,648.38	0.077907%	35,850.19	35,850.23	0.062715%	14,365.87	2,344,534.19	3,282,343.48	5,626,877.67
174900	174908	2,216,206.11	3,102,685.38	5,318,891.49	0.164081%	64,415.39	90,181.04	0.150610%	35,056.93	35,056.91	0.061327%	14,022.50	2,315,678.43	3,241,945.83	5,557,624.26
175000	175008	1,394,698.88	1,952,575.20	3,347,274.08	0.103259%	35,777.16	50,087.88	0.083651%	18,350.45	18,350.41	0.032101%	7,340.13	1,448,826.49	2,028,353.62	3,477,180.11
175100	175108	2,521,878.35	3,530,621.84	6,052,500.19	0.186712%	38,263.20	53,568.43	0.089464%	19,248.58	19,248.74	0.033673%	7,699.32	2,579,390.13	3,611,138.33	6,190,528.46
175200	175208				0.000000%			0.000000%			0.000000%				
175300	175308	9,690.72	13,567.05	23,257.77	0.000717%			0.000000%			0.000000%		9,690.72	13,567.05	23,257.77
175400	175408	2,319,231.08	3,248,926.13	5,568,157.21	0.171771%	35,744.70	50,042.56	0.083576%	28,037.79	28,037.68	0.049048%	9,207.06	2,383,013.57	3,336,213.43	5,719,227.00
175600	175608	1,965,661.96	2,751,921.82	4,717,583.78	0.145531%	56,709.78	79,393.62	0.132595%	26,943.73	26,943.77	0.047134%	10,777.35	2,049,315.47	2,869,036.56	4,918,352.03
175700	175708	1,818,309.33	2,545,628.70	4,363,938.03	0.134622%	13,781.53	19,294.06	0.032223%	18,960.35	18,960.38	0.033168%	7,584.06	1,851,051.21	2,591,467.20	4,442,518.41
177800	177808	2,159,306.28	3,023,022.03	5,182,328.31	0.159868%	49,053.11	68,674.24	0.114692%	23,403.32	23,403.26	0.040941%	9,363.57	2,231,762.71	3,124,463.10	5,356,225.81
177900	177908	2,305,583.92	3,227,812.26	5,533,396.18	0.170698%	45,554.50	63,776.31	0.106512%	37,043.21	37,043.17	0.064802%	14,817.16	2,388,181.63	3,343,448.90	5,731,630.53
178000	178008	19,140.03	26,796.21	45,936.24	0.001417%			0.000000%			0.000000%		19,140.03	26,796.21	45,936.24
187400	187400	11,073.29	15,502.36	26,575.65	0.000820%	7.25	10.15	0.000017%			0.000000%		11,080.54	15,512.51	26,593.05
187400	187408	1,096,819.01	1,535,552.65	2,632,371.66	0.081205%	59,326.64	83,057.21	0.138713%	67,847.62	67,847.45	0.118689%	27,130.80	1,223,993.27	1,713,588.11	2,937,581.38
190300	190308	5,054,165.80	7,075,811.32	12,129,977.12	0.374194%	144,645.97	202,503.48	0.338199%	196,762.12	196,761.85	0.344206%	78,710.60	5,395,573.89	7,553,787.25	12,949,361.14
198110	198118	281,501.79	394,102.60	675,604.39	0.020842%	3,079.36	4,311.22	0.007200%	11,546.08	11,546.08	0.020198%	4,618.38	296,127.23	414,578.28	710,705.51
200100	197010	176.03	246.35	422.38	0.000013%			0.000000%			0.000000%		176.03	246.35	422.38
200100	200100	872,443.95	1,221,491.26	2,093,935.21	0.064595%	2,332.51	3,265.53	0.005454%	6,738.15	6,738.05	0.011787%	2,625.26	881,514.61	1,234,120.10	2,115,634.71
200100	200110	14,369.93	20,117.92	34,487.85	0.001064%			0.000000%			0.000000%		14,369.93	20,117.92	34,487.85
200100	600100	51,605.13	72,247.35	123,852.48	0.003821%			0.000000%			0.000000%		51,605.13	72,247.35	123,852.48
200100	950100	111,124.97	154,720.75	265,845.72	0.008201%			0.000000%			0.000000%		111,124.97	154,720.75	265,845.72
200200	200200	944,173.10	1,321,887.07	2,266,060.17	0.069905%	7,830.31	10,962.38	0.018308%	26,689.95	26,690.10	0.046690%	10,628.05	978,693.36	1,370,167.60	2,348,860.96
200200	200220	8,368.01	11,715.20	20,083.21	0.000620%			0.000000%			0.000000%		8,368.01	11,715.20	20,083.21
200300	197028	301.31	421.81	723.12	0.000022%			0.000000%			0.000000%		301.31	421.81	723.12
200300	200308	3,165,279.39	4,431,707.95	7,596,987.34	0.234357%	95,665.05	133,868.75	0.223573%	79,960.55	79,960.78	0.139880%	31,724.89	3,340,904.99	4,677,262.37	8,018,167.36
200300	200310	40,440.37	56,616.47	97,056.84	0.002994%	2,443.17	3,420.44	0.005712%	5,890.99	5,891.02	0.010305%	2,356.39	48,774.53	68,284.32	117,058.85
200300	600308	183,305.40	256,623.91	439,929.31	0.013571%	7,578.50	10,609.92	0.017720%	4,079.84	4,079.81	0.007137%	1,631.92	194,963.74	272,945.56	467,909.30
200300	950208	443,593.30	617,957.05	1,061,550.35	0.032747%			0.000000%			0.000000%	(329.96)	443,593.30	617,627.09	1,061,220.39
200500	200500	24,734.88	34,628.62	59,363.50	0.001831%			0.000000%			0.000000%		24,734.88	34,628.62	59,363.50
200500	200508	1,035,509.91	1,449,710.92	2,485,220.83	0.076666%	15,055.99	21,078.38	0.035203%	39,531.47	39,531.39	0.069154%	15,812.45	1,090,097.37	1,526,133.14	2,616,230.51
200500	200510	4,615.68	6,461.92	11,077.60	0.000342%			0.000000%			0.000000%		4,615.68	6,461.92	11,077.60
200500	600508	38,455.24	53,836.94	92,292.18	0.002847%	2,022.78	2,831.84	0.004729%			0.000000%		40,478.02	56,668.78	97,146.80
200500	850308				0.000000%			0.000000%			0.000000%				
200500	950308	260,979.56	363,362.56	624,342.12	0.019260%			0.000000%			0.000000%		260,979.56	363,362.56	624,342.12
200700	197048				0.000000%			0.000000%	300.00	300.00	0.000525%	120.00	300.00	420.00	720.00
200700	200708	3,065,536.71	4,291,779.09	7,357,315.80	0.226964%	127,059.41	177,796.31	0.296936%	91,787.54	91,787.08	0.160568%	36,796.64	3,284,383.66	4,598,159.12	7,882,542.78
200700	850408	(164.91)	(222.54)	(387.45)	-0.000012%			0.000000%			0.000000%	(83.46)	(164.91)	(306.00)	(470.91)
200700	950408	256,743.23	357,465.32	614,208.55	0.018948%			0.000000%			0.000000%		256,743.23	357,465.32	614,208.55
200900	197058	252.05	352.84	604.89	0.000019%			0.000000%			0.000000%		252.05	352.84	604.89
200900	200900				0.000000%			0.000000%			0.000000%				
200900	200908	2,227,483.13	3,118,584.95	5,346,068.08	0.164919%	52,497.60	73,496.09	0.122745%	66,756.51	66,756.79	0.116781%	26,589.38	2,346,737.24	3,285,427.21	5,632,164.45
200900	200910	41,651.69	58,312.24	99,963.93	0.003084%			0.000000%			0.000000%		41,651.69	58,312.24	99,963.93
200900	950508	264,192.32	367,835.95	632,028.27	0.019497%			0.000000%			0.000000%		264,192.32	367,835.95	632,028.27
200920	200920	4,170.40	5,838.56	10,008.96	0.000309%			0.000000%			0.000000%		4,170.40	5,838.56	10,008.96
201100	197060	210.00	294.00	504.00	0.000016%			0.000000%			0.000000%		210.00	294.00	504.00
201100	201100	537,330.02	752,259.64	1,289,589.66	0.039782%	32,234.61	45,128.49	0.075369%	18,418.71	18,418.72	0.032221%	7,367.51	587,983.34	823,174.36	1,411,157.70

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
201100	201108	962,922.68	1,348,091.84	2,311,014.52	0.071292%	19,057.73	26,680.96	0.044560%	13,090.30	13,090.37	0.022900%	5,236.13	995,070.71	1,393,099.30	2,388,170.01
201100	201130	17,738.80	24,834.20	42,573.00	0.001313%			0.000000%			0.000000%		17,738.80	24,834.20	42,573.00
201100	950608	206,099.62	286,954.51	493,054.13	0.015210%			0.000000%			0.000000%		206,099.62	286,954.51	493,054.13
202100	197078	260.04	364.03	624.07	0.000019%			0.000000%			0.000000%		260.04	364.03	624.07
202100	202100	192,044.97	268,861.69	460,906.66	0.014218%	4,239.92	5,935.92	0.009914%	18.70	18.69	0.000033%	7.48	196,303.59	274,823.78	471,127.37
202100	202108	2,434,615.65	3,408,451.20	5,843,066.85	0.180251%	45,005.77	63,008.02	0.105229%	48,854.11	48,853.90	0.085463%	19,541.52	2,528,475.53	3,539,854.64	6,068,330.17
202100	950700	289,657.04	403,292.85	692,949.89	0.021377%			0.000000%			0.000000%		289,657.04	403,292.85	692,949.89
202110	202110	2,417.33	3,384.30	5,801.63	0.000179%			0.000000%			0.000000%		2,417.33	3,384.30	5,801.63
202120	202120	3,752.26	5,253.22	9,005.48	0.000278%			0.000000%			0.000000%		3,752.26	5,253.22	9,005.48
202300	202300	804,346.54	1,125,986.15	1,930,332.69	0.059548%	26,074.58	36,504.57	0.060966%	6,514.82	6,514.73	0.011397%	2,716.36	836,935.94	1,171,721.81	2,008,657.75
202300	202308	65,262.89	91,368.35	156,631.24	0.004832%			0.000000%	9,918.61	9,918.73	0.017351%	3,967.48	75,181.50	105,254.56	180,436.06
202300	602300	28,459.73	39,843.59	68,303.32	0.002107%	5,096.00	7,134.40	0.011915%			0.000000%		33,555.73	46,977.99	80,533.72
202300	950800	204,121.18	284,252.06	488,373.24	0.015066%			0.000000%			0.000000%	(110.51)	204,121.18	284,141.55	488,262.73
202320	202320	4,348.74	6,088.21	10,436.95	0.000322%			0.000000%			0.000000%		4,348.74	6,088.21	10,436.95
202500	197098	300.05	420.06	720.11	0.000022%			0.000000%			0.000000%		300.05	420.06	720.11
202500	202508	7,964,209.98	11,154,017.80	19,118,227.78	0.589773%	295,409.96	413,395.34	0.690408%	301,598.99	301,599.24	0.527604%	116,678.68	8,561,218.93	11,985,691.06	20,546,909.99
202500	950908	1,384,687.89	1,936,337.73	3,321,025.62	0.102449%			0.000000%			0.000000%	(8,415.09)	1,384,687.89	1,927,922.64	3,312,610.53
202900	197108	175.92	246.36	422.28	0.000013%			0.000000%			0.000000%		175.92	246.36	422.28
202900	202900	65.29	91.41	156.70	0.000005%			0.000000%			0.000000%		65.29	91.41	156.70
202900	202908	1,157,341.15	1,620,315.05	2,777,656.20	0.085687%	26,800.21	37,479.09	0.062593%	11,936.71	11,936.70	0.020882%	4,774.68	1,196,078.07	1,674,505.52	2,870,583.59
202900	202910	10,239.82	14,335.77	24,575.59	0.000758%			0.000000%			0.000000%		10,239.82	14,335.77	24,575.59
202900	951008	144,672.66	201,428.51	346,101.17	0.010677%			0.000000%			0.000000%		144,672.66	201,428.51	346,101.17
203100	203100	261,763.18	366,468.06	628,231.24	0.019380%	2,756.00	3,858.40	0.006444%	6,521.96	6,521.99	0.011409%	2,608.73	271,041.14	379,457.18	650,498.32
203100	203108	840,479.19	1,176,669.62	2,017,148.81	0.062226%	16,046.04	22,464.30	0.037517%	20,371.38	20,371.46	0.035637%	8,148.56	876,896.61	1,227,653.94	2,104,550.55
203100	203110	8,004.21	11,205.90	19,210.11	0.000593%			0.000000%			0.000000%		8,004.21	11,205.90	19,210.11
203100	603108	50,626.96	70,877.69	121,504.65	0.003748%			0.000000%	5,580.49	5,580.49	0.009762%	2,232.20	56,207.45	78,690.38	134,897.83
203100	693228	50,405.63	70,567.65	120,973.28	0.003732%			0.000000%			0.000000%		50,405.63	70,567.65	120,973.28
203100	951108	155,730.90	216,823.80	372,554.70	0.011493%			0.000000%			0.000000%		155,730.90	216,823.80	372,554.70
203300	203308	3,479,897.28	4,871,915.67	8,351,812.95	0.257643%	97,836.76	136,971.32	0.228754%	90,846.89	90,847.11	0.158924%	36,273.58	3,668,580.93	5,136,007.68	8,804,588.61
203300	951208	912,986.13	1,271,150.54	2,184,136.67	0.067378%			0.000000%			0.000000%	6.91	912,986.13	1,271,157.45	2,184,143.58
203310	203310	18,697.88	26,177.01	44,874.89	0.001384%			0.000000%			0.000000%		18,697.88	26,177.01	44,874.89
203700	197130	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
203700	203708	5,513,832.97	7,719,385.52	13,233,218.49	0.408228%	185,349.77	259,490.21	0.433372%	229,806.87	229,806.05	0.402012%	91,897.87	5,928,989.61	8,300,579.65	14,229,569.26
203700	203720	2,266.99	3,173.74	5,440.73	0.000168%			0.000000%			0.000000%		2,266.99	3,173.74	5,440.73
203700	951308	813,391.38	1,132,489.55	1,945,880.93	0.060028%			0.000000%			0.000000%		813,391.38	1,132,489.55	1,945,880.93
203900	197148	204.00	285.66	489.66	0.000015%			0.000000%			0.000000%		204.00	285.66	489.66
203900	203908	1,223,666.56	1,713,145.08	2,936,811.64	0.090597%	12,958.89	18,142.82	0.030300%	46,848.28	46,848.38	0.081954%	18,726.02	1,283,473.73	1,796,862.30	3,080,336.03
203900	951408	198,779.53	276,762.57	475,542.10	0.014670%			0.000000%			0.000000%		198,779.53	276,762.57	475,542.10
204100	197158	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
204100	204100	13,120.66	18,368.89	31,489.55	0.000971%			0.000000%			0.000000%		13,120.66	18,368.89	31,489.55
204100	204108	1,891,842.84	2,648,563.15	4,540,405.99	0.140066%	38,516.62	53,923.41	0.090057%	38,115.80	38,115.94	0.066678%	15,260.08	1,968,475.26	2,755,862.58	4,724,337.84
204100	204120	8,250.04	11,549.97	19,800.01	0.000611%			0.000000%			0.000000%		8,250.04	11,549.97	19,800.01
204100	204130	4,609.17	6,452.86	11,062.03	0.000341%			0.000000%			0.000000%		4,609.17	6,452.86	11,062.03
204100	604108	68,608.19	95,998.48	164,606.67	0.005078%	4,505.28	6,307.44	0.010534%	2,775.76	2,775.76	0.004856%	1,188.98	75,889.23	106,270.66	182,159.89
204100	951508	163,314.21	227,383.66	390,697.87	0.012053%			0.000000%			0.000000%		163,314.21	227,383.66	390,697.87
204500	197168	191.88	268.78	460.66	0.000014%			0.000000%			0.000000%		191.88	268.78	460.66
204500	204500	87.60	122.64	210.24	0.000006%			0.000000%			0.000000%		87.60	122.64	210.24
204500	204508	1,261,324.49	1,765,840.66	3,027,165.15	0.093384%	49,823.07	69,752.23	0.116493%	37,356.95	37,357.05	0.065351%	14,957.68	1,348,504.51	1,887,907.62	3,236,412.13
204500	604508	43,928.76	61,500.81	105,429.57	0.003252%	3,929.87	5,501.79	0.009188%			0.000000%		47,858.63	67,002.60	114,861.23
204500	851608				0.000000%			0.000000%			0.000000%				
204500	951608	299,119.06	416,466.20	715,585.26	0.022075%			0.000000%			0.000000%		299,119.06	416,466.20	715,585.26
204700	197178	206.04	288.44	494.48	0.000015%			0.000000%			0.000000%		206.04	288.44	494.48
204700	204700	(49.66)	(69.52)	(119.18)	-0.000004%			0.000000%			0.000000%		(49.66)	(69.52)	(119.18)
204700	204708	1,120,636.05	1,568,890.74	2,689,526.79	0.082968%	41,692.31	58,369.14	0.097482%	38,536.16	38,536.22	0.067413%	15,414.18	1,200,864.52	1,681,210.28	2,882,074.80
204700	204710	16,657.55	23,320.52	39,978.07	0.001233%			0.000000%			0.000000%		16,657.55	23,320.52	39,978.07
204700	604708	98,305.44	137,627.04	235,932.48	0.007278%			0.000000%	8,029.59	8,029.54	0.014046%	3,211.84	106,335.03	148,868.42	255,203.45
204700	951708	107,475.40	149,638.99	257,114.39	0.007932%			0.000000%			0.000000%		107,475.40	149,638.99	257,114.39
206100	197198	224.03	313.55	537.58	0.000017%			0.000000%			0.000000%		224.03	313.55	537.58
206100	206108	1,224,386.57	1,714,140.23	2,938,526.80	0.090650%	41,386.51	57,941.26	0.096767%	28,059.53	28,059.36	0.049086%	11,223.76	1,293,832.61	1,811,364.61	3,105,197.22
206100	206110	6,979.04	9,770.60	16,749.64	0.000517%			0.000000%			0.000000%		6,979.04	9,770.60	16,749.64
206100	606108	91,248.56	127,747.93	218,996.49	0.006756%	10,161.09	14,225.49	0.023758%			0.000000%		101,409.65	141,973.42	243,383.07
206100	951908	276,347.62	384,761.29	661,108.91	0.020394%			0.000000%			0.000000%		276,347.62	384,761.29	661,108.91
206300	197208	198.12	277.23	475.35	0.000015%			0.000000%			0.000000%		198.12	277.23	475.35

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
206300	206308	1,144,753.98	1,602,669.85	2,747,423.83	0.084755%	25,774.11	36,083.89	0.060263%	31,736.91	31,736.84	0.055519%	12,676.96	1,202,265.00	1,683,167.54	2,885,432.54
206300	952008	131,810.85	183,520.72	315,331.57	0.009728%			0.000000%			0.000000%		131,810.85	183,520.72	315,331.57
206500	206508	4,602,619.26	6,443,614.46	11,046,233.72	0.340762%	230,415.19	322,580.53	0.538739%	214,227.86	214,227.93	0.374760%	85,736.13	5,047,262.31	7,066,159.05	12,113,421.36
206500	606508	344,368.15	482,114.96	826,483.11	0.025496%	8,999.59	12,599.44	0.021042%	17,989.75	17,989.79	0.031470%	7,195.89	371,357.49	519,900.08	891,257.57
206500	866508	32,139.78	44,995.68	77,135.46	0.002380%	9,350.23	13,090.35	0.021862%			0.000000%		41,490.01	58,086.03	99,576.04
206500	952108	1,057,274.42	1,470,061.59	2,527,336.01	0.077965%			0.000000%			0.000000%	1,987.28	1,057,274.42	1,472,048.87	2,529,323.29
206700	197228	273.97	383.57	657.54	0.000020%			0.000000%			0.000000%		273.97	383.57	657.54
206700	206700	33,481.35	46,873.81	80,355.16	0.002479%	78.72	110.20	0.000184%			0.000000%		33,560.07	46,984.01	80,544.08
206700	206708	2,782,041.87	3,894,935.58	6,676,977.45	0.205976%	59,088.20	82,641.99	0.138020%	53,411.09	53,411.15	0.093435%	21,364.45	2,894,541.16	4,052,353.17	6,946,894.33
206700	606700	505,131.60	707,182.53	1,212,314.13	0.037398%	14,237.03	19,931.86	0.033288%	24,741.43	24,741.41	0.043281%	9,896.62	544,110.06	761,752.42	1,305,862.48
206700	952200	333,614.72	464,493.89	798,108.61	0.024621%			0.000000%			0.000000%		333,614.72	464,493.89	798,108.61
206700	952208	10,459.87	14,563.53	25,023.40	0.000772%			0.000000%			0.000000%		10,459.87	14,563.53	25,023.40
206720	206720	12,733.44	17,826.67	30,560.11	0.000943%			0.000000%			0.000000%		12,733.44	17,826.67	30,560.11
207100	197238	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
207100	207100	144,785.36	202,699.32	347,484.68	0.010719%	4,514.78	6,320.72	0.010556%			0.000000%		149,300.14	209,020.04	358,320.18
207100	207108	3,172,664.31	4,441,724.03	7,614,388.34	0.234894%	85,273.21	119,382.44	0.199379%	125,345.20	125,345.24	0.219273%	50,138.41	3,383,282.72	4,736,590.12	8,119,872.84
207100	207130	6,374.64	8,924.49	15,299.13	0.000472%			0.000000%			0.000000%		6,374.64	8,924.49	15,299.13
207100	952308	852,716.91	1,187,161.48	2,039,878.39	0.062928%			0.000000%			0.000000%	83.09	852,716.91	1,187,244.57	2,039,961.48
207300	207308	938,161.53	1,313,353.43	2,251,514.96	0.069456%	9,172.26	12,841.21	0.021446%	21,707.12	21,706.55	0.037972%	8,756.85	969,040.91	1,356,658.04	2,325,698.95
207300	607308	174,390.05	244,129.42	418,519.47	0.012911%			0.000000%	259.20	259.20	0.000453%	120.20	174,649.25	244,508.82	419,158.07
207300	952408	174,686.82	243,217.95	417,904.77	0.012892%			0.000000%			0.000000%		174,686.82	243,217.95	417,904.77
207400	207408	1,789,835.57	2,505,897.50	4,295,733.07	0.132518%	20,738.10	29,033.23	0.048488%	101,938.82	101,938.71	0.178327%	40,644.15	1,912,512.49	2,677,513.59	4,590,026.08
207500	197258	300.04	420.02	720.06	0.000022%			0.000000%			0.000000%		300.04	420.02	720.06
207500	207500	181,613.50	254,257.67	435,871.17	0.013446%	1,312.94	1,838.07	0.003070%	15,071.43	15,071.37	0.026365%	6,028.50	197,997.87	277,195.61	475,193.48
207500	207508	28,657,387.83	40,120,927.33	68,778,315.16	2.121724%	923,269.15	1,292,501.57	2.158594%	994,350.39	994,350.61	1.739470%	397,218.93	30,575,007.37	42,804,998.44	73,380,005.81
207500	852508				0.000000%			0.000000%			0.000000%		(0.00)		
207500	952508	7,438,409.53	10,356,563.23	17,794,972.76	0.548952%			0.000000%			0.000000%	0.08	7,438,409.53	10,356,563.31	17,794,972.84
207510	207518	81,099.86	113,539.83	194,639.69	0.006004%			0.000000%	7,261.73	7,261.74	0.012703%	2,904.68	88,361.59	123,706.25	212,067.84
207550	207558	194,079.79	271,744.01	465,823.80	0.014370%			0.000000%			0.000000%	(32.58)	194,079.79	271,711.43	465,791.22
208300	197268	204.10	285.62	489.72	0.000015%			0.000000%			0.000000%		204.10	285.62	489.72
208300	208308	1,118,314.17	1,565,640.06	2,683,954.23	0.082797%	30,964.71	43,350.43	0.072399%	31,779.16	31,779.43	0.055593%	12,711.53	1,181,058.04	1,653,481.45	2,834,539.49
208300	208320	24,451.61	34,232.62	58,684.23	0.001810%			0.000000%			0.000000%		24,451.61	34,232.62	58,684.23
208300	608308	132,238.55	185,133.87	317,372.42	0.009791%	1,594.52	2,232.33	0.003728%	9,055.44	9,055.38	0.015841%	3,622.22	142,888.51	200,043.80	342,932.31
208300	952608	150,204.87	209,131.66	359,336.53	0.011085%			0.000000%			0.000000%		150,204.87	209,131.66	359,336.53
208500	197278	179.93	252.01	431.94	0.000013%			0.000000%			0.000000%		179.93	252.01	431.94
208500	208500	34,404.64	48,166.39	82,571.03	0.002547%			0.000000%	212.66	212.71	0.000372%	85.07	34,617.30	48,464.17	83,081.47
208500	208508	885,078.26	1,239,102.78	2,124,181.04	0.065528%	35,356.19	49,498.66	0.082667%	9,632.34	9,632.39	0.016850%	3,857.67	930,066.79	1,302,091.50	2,232,158.29
208500	208518	104,283.19	145,996.07	250,279.26	0.007721%			0.000000%	5,862.22	5,862.21	0.010255%	2,344.86	110,145.41	154,203.14	264,348.55
208500	208520	5,948.21	8,327.48	14,275.69	0.000440%			0.000000%			0.000000%		5,948.21	8,327.48	14,275.69
208500	852708	29,808.16	44,960.53	74,768.69	0.002307%			0.000000%			0.000000%		29,808.16	44,960.53	74,768.69
208500	952708	117,254.16	163,253.78	280,507.94	0.008653%			0.000000%			0.000000%		117,254.16	163,253.78	280,507.94
208600	208608	54,123.61	75,772.88	129,896.49	0.004007%			0.000000%	6,487.47	6,487.54	0.011349%	2,594.99	60,611.08	84,855.41	145,466.49
208700	208708	3,062,134.09	4,286,902.66	7,349,036.75	0.226708%	90,518.67	126,725.99	0.211644%	132,503.40	132,503.31	0.231795%	53,080.98	3,285,156.16	4,599,212.94	7,884,369.10
208700	608708	96,259.53	134,763.10	231,022.63	0.007127%	5,745.12	8,043.14	0.013433%			0.000000%		102,004.65	142,806.24	244,810.89
208700	852808	34,914.03	52,662.05	87,576.08	0.002702%			0.000000%			0.000000%		34,914.03	52,662.05	87,576.08
208700	952808	545,605.49	759,649.86	1,305,255.35	0.040265%			0.000000%			0.000000%		545,605.49	759,649.86	1,305,255.35
209100	197290	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
209100	209100	164,106.90	229,749.95	393,856.85	0.012150%			0.000000%	2,283.78	2,283.77	0.003995%	913.51	166,390.68	232,947.23	399,337.91
209100	209108	4,167,870.55	5,834,657.64	10,002,528.19	0.308565%	89,519.98	125,327.93	0.209309%	62,927.62	62,927.77	0.110083%	25,532.40	4,320,318.15	6,048,445.74	10,368,763.89
209100	209140	10,891.76	15,248.49	26,140.25	0.000806%			0.000000%			0.000000%		10,891.76	15,248.49	26,140.25
209100	609108	273,614.26	383,059.42	656,673.68	0.020258%	18,429.08	25,800.62	0.043089%	8,196.75	8,196.69	0.014339%	3,278.75	300,240.09	420,335.48	720,575.57
209100	852908	7,802.05	11,768.06	19,570.11	0.000604%			0.000000%			0.000000%		7,802.05	11,768.06	19,570.11
209100	952908	642,300.97	894,653.33	1,536,954.30	0.047413%			0.000000%			0.000000%	(372.04)	642,300.97	894,281.29	1,536,582.26
209300	197308	200.04	279.96	480.00	0.000015%			0.000000%			0.000000%		200.04	279.96	480.00
209300	209300	5,862.45	8,207.49	14,069.94	0.000434%			0.000000%			0.000000%		5,862.45	8,207.49	14,069.94
209300	209308	1,438,788.60	2,014,307.73	3,453,096.33	0.106524%	11,576.05	16,206.48	0.027066%	30,430.43	30,430.45	0.053234%	12,162.25	1,480,795.08	2,073,106.91	3,553,901.99
209300	953008	192,511.07	268,066.31	460,577.38	0.014208%			0.000000%			0.000000%	(30.70)	192,511.07	268,035.61	460,546.68
211100	197320	267.97	375.18	643.15	0.000020%			0.000000%			0.000000%		267.97	375.18	643.15
211100	211108	1,683,877.77	2,358,229.69	4,042,107.46	0.124694%	72,379.37	101,331.39	0.169233%	36,357.16	36,357.38	0.063602%	13,740.17	1,792,614.30	2,509,658.63	4,302,272.93
211100	211110	48,613.31	68,058.66	116,671.97	0.003599%			0.000000%	3,062.47	3,062.53	0.005357%	1,224.88	51,675.78	72,346.07	124,021.85
211100	211120	9,320.13	13,048.46	22,368.59	0.000690%			0.000000%			0.000000%		9,320.13	13,048.46	22,368.59
211100	611108	114,687.74	160,562.56	275,250.30	0.008491%	14,581.04	20,413.46	0.034092%	3,741.55	3,741.55	0.006545%	1,496.62	133,010.33	186,214.19	319,224.52
211100	953208	319,109.42	447,668.95	766,778.37	0.023654%			0.000000%			0.000000%	(2,352.03)	319,109.42	445,316.92	764,426.34

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
211300	197338	184.08	257.58	441.66	0.000014%			0.000000%			0.000000%		184.08	257.58	441.66
211300	211308	1,063,108.98	1,488,348.93	2,551,457.91	0.078709%	18,790.64	26,306.78	0.043935%	8,232.01	8,232.01	0.014401%	3,292.85	1,090,131.63	1,526,180.57	2,616,312.20
211300	211310	18,255.04	25,556.96	43,812.00	0.001352%			0.000000%			0.000000%		18,255.04	25,556.96	43,812.00
211300	611308	39,301.66	55,022.23	94,323.89	0.002910%			0.000000%	3,577.59	3,577.60	0.006258%	1,430.92	42,879.25	60,030.75	102,910.00
211300	953308	124,703.10	173,624.91	298,328.01	0.009203%			0.000000%			0.000000%		124,703.10	173,624.91	298,328.01
211500	197340	120.00	168.00	288.00	0.000009%			0.000000%			0.000000%		120.00	168.00	288.00
211500	211500	88.83	124.37	213.20	0.000007%			0.000000%			0.000000%		88.83	124.37	213.20
211500	211508	761,942.29	1,066,717.52	1,828,659.81	0.056412%	10,927.24	15,298.12	0.025549%	7,074.69	7,074.69	0.012376%	2,829.87	779,944.22	1,091,920.20	1,871,864.42
211500	611508	42,111.62	58,956.12	101,067.74	0.003118%			0.000000%			0.000000%		42,111.62	58,956.12	101,067.74
211500	953408	115,656.20	161,029.42	276,685.62	0.008535%			0.000000%			0.000000%		115,656.20	161,029.42	276,685.62
211600	211600	418.00	585.20	1,003.20	0.000031%			0.000000%			0.000000%		418.00	585.20	1,003.20
211900	197358	176.02	246.42	422.44	0.000013%			0.000000%			0.000000%		176.02	246.42	422.44
211900	211908	794,699.59	1,112,581.00	1,907,280.59	0.058837%	19,637.19	27,491.88	0.045914%	33,108.26	33,108.62	0.057919%	13,243.02	847,445.04	1,186,424.52	2,033,869.56
211900	611908	150,543.27	210,760.34	361,303.61	0.011146%	4,657.25	6,520.15	0.010889%	14,550.50	14,550.59	0.025454%	5,820.13	169,751.02	237,651.21	407,402.23
211900	953508	125,877.37	175,260.67	301,138.04	0.009290%			0.000000%			0.000000%		125,877.37	175,260.67	301,138.04
212300	212300	325,807.36	456,129.40	781,936.76	0.024122%	1,051.00	1,471.44	0.002457%	1,375.29	1,375.28	0.002406%	550.10	328,233.65	459,526.22	787,759.87
212300	212308	629,669.92	881,537.49	1,511,207.41	0.046619%	3,728.07	5,219.31	0.008717%	12,427.66	12,427.52	0.021740%	4,971.02	645,825.65	904,155.34	1,549,980.99
212300	612308	58,874.56	82,424.02	141,298.58	0.004359%			0.000000%			0.000000%		58,874.56	82,424.02	141,298.58
212300	953600	159,434.60	221,982.22	381,416.82	0.011766%			0.000000%			0.000000%		159,434.60	221,982.22	381,416.82
212500	197370	178.10	249.21	427.31	0.000013%			0.000000%			0.000000%		178.10	249.21	427.31
212500	212508	873,999.16	1,223,597.38	2,097,596.54	0.064708%	17,423.62	24,393.22	0.040739%	14,650.15	14,650.14	0.025628%	5,860.00	906,072.93	1,268,500.74	2,174,573.67
212500	212510	4,147.93	5,807.09	9,955.02	0.000307%			0.000000%			0.000000%		4,147.93	5,807.09	9,955.02
212500	612508	73,677.72	103,148.78	176,826.50	0.005455%	13,583.44	19,016.78	0.031760%			0.000000%		87,261.16	122,165.56	209,426.72
212500	953708	152,285.71	212,029.06	364,314.77	0.011239%			0.000000%			0.000000%		152,285.71	212,029.06	364,314.77
212600	212600	15,543.57	21,760.95	37,304.52	0.001151%			0.000000%			0.000000%		15,543.57	21,760.95	37,304.52
212600	212608	1,159,801.00	1,623,717.68	2,783,518.68	0.085868%	21,103.52	29,544.81	0.049343%	23,571.45	23,571.47	0.041235%	9,428.57	1,204,475.97	1,686,262.53	2,890,738.50
212700	197380	204.00	285.67	489.67	0.000015%			0.000000%			0.000000%		204.00	285.67	489.67
212700	212700	323,779.07	453,289.59	777,068.66	0.023972%	7,944.35	11,122.05	0.018575%	8,324.15	8,324.17	0.014562%	3,329.63	340,047.57	476,065.44	816,113.01
212700	212708	828,279.66	1,159,588.88	1,987,868.54	0.061323%	29,321.39	41,049.97	0.068557%	15,226.90	15,226.83	0.026637%	6,090.82	872,827.95	1,221,956.50	2,094,784.45
212700	212810	178,222.28	249,510.96	427,733.24	0.013195%			0.000000%	12,208.56	12,208.55	0.021357%	4,883.40	190,430.84	266,602.91	457,033.75
212700	612708	81,257.71	113,760.79	195,018.50	0.006016%	2,968.22	4,155.54	0.006940%			0.000000%		84,225.93	117,916.33	202,142.26
212700	953808	201,247.08	280,197.74	481,444.82	0.014852%			0.000000%			0.000000%		201,247.08	280,197.74	481,444.82
212900	197398	237.40	332.31	569.71	0.000018%			0.000000%			0.000000%		237.40	332.31	569.71
212900	212908	1,353,932.06	1,895,504.32	3,249,436.38	0.100241%	48,105.39	67,347.55	0.112476%	49,237.04	49,237.11	0.086133%	19,694.96	1,451,274.49	2,031,783.94	3,483,058.43
212900	212910	40,487.65	56,682.68	97,170.33	0.002998%			0.000000%			0.000000%		40,487.65	56,682.68	97,170.33
212900	612908	99,507.94	139,311.86	238,819.80	0.007367%	6,346.00	8,884.48	0.014838%			0.000000%		105,853.94	148,196.34	254,050.28
212900	953908	155,904.77	217,066.98	372,971.75	0.011506%			0.000000%			0.000000%		155,904.77	217,066.98	372,971.75
213300	197400	184.61	258.60	443.21	0.000014%			0.000000%			0.000000%		184.61	258.60	443.21
213300	213300	762,274.84	1,067,178.06	1,829,452.90	0.056436%	3,625.90	5,076.28	0.008478%	11,206.76	11,206.74	0.019605%	4,487.70	777,107.50	1,087,948.78	1,865,056.28
213300	213308	209,088.79	292,723.86	501,812.65	0.015480%			0.000000%	6,808.84	6,808.84	0.011911%	2,723.51	215,897.63	302,256.21	518,153.84
213300	613300	59,050.16	82,670.13	141,720.29	0.004372%			0.000000%	134.73	134.73	0.000236%	53.89	59,184.89	82,858.75	142,043.64
213300	954000	70,668.23	98,392.57	169,060.80	0.005215%			0.000000%			0.000000%		70,668.23	98,392.57	169,060.80
213500	213508	2,242,353.01	3,139,284.11	5,381,637.12	0.166017%	30,529.62	42,741.14	0.071382%	27,921.39	27,921.43	0.048844%	11,175.55	2,300,804.02	3,221,122.23	5,521,926.25
213500	613508	90,197.27	126,275.87	216,473.14	0.006678%	3,106.20	4,348.68	0.007263%	265.49	265.49	0.000464%	106.20	93,568.96	130,996.24	224,565.20
213500	954108	333,179.45	463,889.12	797,068.57	0.024589%			0.000000%			0.000000%		333,179.45	463,889.12	797,068.57
213700	197428	239.98	335.99	575.97	0.000018%			0.000000%			0.000000%		239.98	335.99	575.97
213700	213708	1,459,851.11	2,045,093.65	3,504,944.76	0.108123%	46,458.85	64,980.13	0.108523%	52,921.29	52,921.15	0.092578%	20,133.76	1,559,231.25	2,183,128.69	3,742,359.94
213700	613708	219,235.64	306,929.94	526,165.58	0.016232%	3,278.75	4,590.22	0.007666%	5,826.90	5,826.91	0.010193%	2,330.77	228,341.29	319,677.84	548,019.13
213700	854208	2,078.55	2,201.73	4,280.28	0.000132%			0.000000%			0.000000%	500.98	2,078.55	2,702.71	4,781.26
213700	954208	334,271.19	465,408.28	799,679.47	0.024669%			0.000000%			0.000000%		334,271.19	465,408.28	799,679.47
213900	197438	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
213900	213900	2,016.19	2,822.61	4,838.80	0.000149%			0.000000%			0.000000%		2,016.19	2,822.61	4,838.80
213900	213908	7,740,600.29	10,836,823.68	18,577,423.97	0.573090%	257,860.13	361,003.43	0.602908%	203,928.92	203,928.70	0.356743%	81,575.32	8,202,389.34	11,483,331.13	19,685,720.47
213900	954308	477,799.37	665,244.07	1,143,043.44	0.035261%			0.000000%			0.000000%		477,799.37	665,244.07	1,143,043.44
214500	197440	37.52	52.56	90.08	0.000003%			0.000000%			0.000000%		37.52	52.56	90.08
214500	197448	206.36	289.02	495.38	0.000015%			0.000000%			0.000000%		206.36	289.02	495.38
214500	214508	1,601,525.94	2,239,797.24	3,841,323.18	0.118500%	24,075.87	33,706.23	0.056292%	7,820.04	7,820.14	0.013680%	5,468.75	1,633,421.85	2,286,792.36	3,920,214.21
214500	214510	7,362.26	10,307.15	17,669.41	0.000545%			0.000000%			0.000000%		7,362.26	10,307.15	17,669.41
214500	614500	7,001.75	9,802.49	16,804.24	0.000518%			0.000000%			0.000000%		7,001.75	9,802.49	16,804.24
214500	614508	36,486.80	51,081.77	87,568.57	0.002701%			0.000000%			0.000000%		36,486.80	51,081.77	87,568.57
214500	854400		50.50	50.50	0.000002%			0.000000%			0.000000%	(50.49)	0.00	0.01	0.01
214500	954400	30,095.24	43,317.60	73,412.84	0.002265%			0.000000%			0.000000%	(2,241.63)	30,095.24	41,075.97	71,171.21
214500	954408	214,763.47	299,016.91	513,780.38	0.015849%			0.000000%			0.000000%		214,763.47	299,016.91	513,780.38

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
214700	197450	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
214700	214708	3,955,208.66	5,537,421.99	9,492,630.65	0.292836%	96,685.17	135,227.01	0.225841%	138,184.85	138,185.32	0.241735%	55,273.65	4,190,078.68	5,866,107.97	10,056,186.65
214700	614708	260,754.00	365,055.53	625,809.53	0.019305%	14,023.89	19,633.21	0.032789%	9,122.41	9,122.35	0.015958%	3,648.92	283,900.30	397,460.01	681,360.31
214700	954508	816,578.24	1,136,927.94	1,953,506.18	0.060263%			0.000000%			0.000000%		816,578.24	1,136,927.94	1,953,506.18
214710	214710	3,104.36	4,346.12	7,450.48	0.000230%			0.000000%			0.000000%		3,104.36	4,346.12	7,450.48
214900	197468	192.50	269.50	462.00	0.000014%			0.000000%			0.000000%		192.50	269.50	462.00
214900	214900	396,296.75	554,813.72	951,110.47	0.029341%	13,900.71	19,461.03	0.032502%	1,855.26	1,855.30	0.003246%	742.07	412,052.72	576,872.12	988,924.84
214900	214908	1,169,049.48	1,637,224.87	2,806,274.35	0.086570%	53,961.00	75,405.69	0.125934%	37,965.75	37,965.86	0.066416%	14,768.81	1,260,976.23	1,765,365.23	3,026,341.46
214900	214930	9,601.98	15,090.67	24,692.65	0.000762%			0.000000%	1,097.20	1,097.23	0.001919%	(1,209.11)	10,699.18	14,978.79	25,677.97
214900	614908	76,632.31	107,285.06	183,917.37	0.005674%			0.000000%	3,693.02	3,693.00	0.006460%	1,477.20	80,325.33	112,455.26	192,780.59
214900	954608	213,602.27	297,400.40	511,002.67	0.015764%			0.000000%			0.000000%		213,602.27	297,400.40	511,002.67
215100	197478	300.05	420.04	720.09	0.000022%			0.000000%			0.000000%		300.05	420.04	720.09
215100	215108	7,622,122.85	10,670,766.66	18,292,889.51	0.564312%	205,045.83	287,063.77	0.479422%	236,876.15	236,875.81	0.414379%	94,943.39	8,064,044.83	11,289,649.63	19,353,694.46
215100	615108	549,358.96	769,101.65	1,318,460.61	0.040673%	9,693.18	13,570.45	0.022664%	22,300.58	22,300.43	0.039011%	8,920.21	581,352.72	813,892.74	1,395,245.46
215100	954708	578,989.68	806,069.65	1,385,059.33	0.042727%			0.000000%			0.000000%	59.71	578,989.68	806,129.36	1,385,119.04
215300	215308	2,042,827.60	2,859,947.98	4,902,775.58	0.151244%	38,192.27	53,468.76	0.089298%	108,225.20	108,225.13	0.189324%	43,289.80	2,189,245.07	3,064,931.67	5,254,176.74
215500	197488	299.24	418.86	718.10	0.000022%			0.000000%			0.000000%		299.24	418.86	718.10
215500	215500	71,164.73	99,630.34	170,795.07	0.005269%	333.26	466.56	0.000779%	3,913.49	3,913.48	0.006846%	1,565.38	75,411.48	105,575.76	180,987.24
215500	215508	13,164,322.21	18,430,157.73	31,594,479.94	0.974650%	424,409.87	594,173.58	0.992324%	379,955.12	379,955.79	0.664677%	151,858.21	13,968,687.20	19,556,145.31	33,524,832.51
215500	215510	44,153.70	59,796.09	103,949.79	0.003207%			0.000000%			0.000000%	2,019.03	44,153.70	61,815.12	105,968.82
215500	615508	606,829.04	849,560.67	1,456,389.71	0.044928%	42,050.71	58,870.87	0.098320%	41,089.79	41,089.84	0.071881%	16,436.06	689,969.54	965,957.44	1,655,926.98
215500	854800				0.000000%			0.000000%			0.000000%				
215500	954808	2,270,993.03	3,161,832.02	5,432,825.05	0.167596%			0.000000%			0.000000%	87.91	2,270,993.03	3,161,919.93	5,432,912.96
216500	197498				0.000000%			0.000000%	205.92	205.94	0.000360%	82.42	205.92	288.36	494.28
216500	216500	616,104.84	862,546.62	1,478,651.46	0.045615%	31,128.21	43,579.26	0.072781%	11,549.79	11,549.86	0.020205%	4,619.89	658,782.84	922,295.63	1,581,078.47
216500	216508	516,542.84	723,159.59	1,239,702.43	0.038243%	17,488.58	24,484.16	0.040891%	13,531.83	13,531.98	0.023672%	5,412.77	547,563.25	766,588.50	1,314,151.75
216500	616508	70,997.53	99,396.36	170,393.89	0.005256%	10,950.90	15,331.24	0.025605%	11,368.10	11,368.24	0.019887%	4,547.22	93,316.53	130,643.06	223,959.59
216500	954900	221,950.37	309,023.54	530,973.91	0.016380%			0.000000%			0.000000%		221,950.37	309,023.54	530,973.91
216700	197500				0.000000%			0.000000%	300.04	300.04	0.000525%	119.86	300.04	419.90	719.94
216700	216708	5,959,533.32	8,343,515.27	14,303,048.59	0.441231%	143,545.49	200,964.22	0.335628%	158,674.52	158,675.23	0.277579%	63,284.94	6,261,753.33	8,766,439.66	15,028,192.99
216700	955008	1,497,474.66	2,084,949.67	3,582,424.33	0.110513%			0.000000%			0.000000%		1,497,474.66	2,084,949.67	3,582,424.33
217700	197510	252.00	352.87	604.87	0.000019%			0.000000%			0.000000%		252.00	352.87	604.87
217700	217708	2,014,158.05	2,819,852.13	4,834,010.18	0.149123%	61,288.21	85,769.32	0.143243%	44,123.55	44,123.53	0.077188%	17,649.44	2,119,569.81	2,967,394.42	5,086,964.23
217700	217710	11,249.04	15,748.65	26,997.69	0.000833%			0.000000%			0.000000%		11,249.04	15,748.65	26,997.69
217700	617708	99,737.36	139,632.07	239,369.43	0.007384%	1,680.00	2,352.00	0.003928%			0.000000%		101,417.36	141,984.07	243,401.43
217700	955108	233,008.97	324,417.95	557,426.92	0.017196%			0.000000%			0.000000%	1.20	233,008.97	324,419.15	557,428.12
217900	197528	300.05	420.03	720.08	0.000022%			0.000000%			0.000000%		300.05	420.03	720.08
217900	217908	4,276,433.64	5,987,620.77	10,264,054.41	0.316633%	181,011.82	253,415.40	0.423227%	132,688.48	132,688.06	0.232118%	52,595.25	4,590,133.94	6,426,319.48	11,016,453.42
217900	617908	369,594.24	517,443.74	887,037.98	0.027364%	30,988.33	43,383.63	0.072455%	9,744.10	9,744.11	0.017046%	3,886.07	410,326.67	574,457.55	984,784.22
217900	855208	(97,562.27)	(127,210.33)	(224,772.60)	-0.006934%			0.000000%			0.000000%	(41,253.05)	(97,562.27)	(168,463.38)	(266,025.65)
217900	955208	675,862.63	931,842.25	1,607,704.88	0.049596%			0.000000%			0.000000%	41,112.01	675,862.63	972,954.26	1,648,816.89
218100	197530	69.15	96.85	166.00	0.000005%			0.000000%			0.000000%		69.15	96.85	166.00
218100	197538	96.81	135.59	232.40	0.000007%			0.000000%			0.000000%		96.81	135.59	232.40
218100	218100	143,605.75	201,047.52	344,653.27	0.010632%			0.000000%	5,074.02	5,073.98	0.008876%	2,029.59	148,679.77	208,151.09	356,830.86
218100	218108	635,080.76	889,110.67	1,524,191.43	0.047019%	3,749.76	5,249.60	0.008767%	8,368.18	8,368.16	0.014639%	3,347.24	647,198.70	906,075.67	1,553,274.37
218100	218110	966.13	1,352.59	2,318.72	0.000072%			0.000000%			0.000000%		966.13	1,352.59	2,318.72
218100	618100	24,614.39	34,459.98	59,074.37	0.001822%			0.000000%			0.000000%		24,614.39	34,459.98	59,074.37
218100	618108	36,252.63	50,753.68	87,006.31	0.002684%			0.000000%			0.000000%		36,252.63	50,753.68	87,006.31
218100	955300	34,299.62	47,755.65	82,055.27	0.002531%			0.000000%			0.000000%		34,299.62	47,755.65	82,055.27
218100	955308	51,361.06	71,510.47	122,871.53	0.003790%			0.000000%			0.000000%		51,361.06	71,510.47	122,871.53
218300	197548	200.04	279.96	480.00	0.000015%			0.000000%			0.000000%		200.04	279.96	480.00
218300	218300	8,745.23	12,243.52	20,988.75	0.000647%			0.000000%			0.000000%		8,745.23	12,243.52	20,988.75
218300	218308	1,033,822.39	1,447,352.65	2,481,175.04	0.076541%	62,890.65	88,046.81	0.147046%	29,391.51	29,391.70	0.051416%	11,756.70	1,126,104.55	1,576,547.86	2,702,652.41
218300	218320	25,468.65	35,656.04	61,124.69	0.001886%			0.000000%			0.000000%		25,468.65	35,656.04	61,124.69
218300	618308	59,587.89	83,422.97	143,010.86	0.004412%	5,122.67	7,171.73	0.011977%			0.000000%		64,710.56	90,594.70	155,305.26
218300	955408	163,992.24	228,327.76	392,320.00	0.012103%			0.000000%			0.000000%		163,992.24	228,327.76	392,320.00
218500	197558	300.03	420.02	720.05	0.000022%			0.000000%			0.000000%		300.03	420.02	720.05
218500	218508	2,781,868.04	3,894,609.19	6,676,477.23	0.205961%	57,259.55	80,163.43	0.133880%	116,566.62	116,566.53	0.203916%	46,626.54	2,955,694.21	4,137,965.69	7,093,659.90
218500	218510	31,678.40	44,349.72	76,028.12	0.002345%			0.000000%			0.000000%		31,678.40	44,349.72	76,028.12
218500	618508	179,976.51	251,966.80	431,943.31	0.013325%			0.000000%	14,694.69	14,694.69	0.025706%	5,877.86	194,671.20	272,539.35	467,210.55
218500	955508	432,120.09	601,644.08	1,033,764.17	0.031890%			0.000000%			0.000000%		432,120.09	601,644.08	1,033,764.17
219500	197568	120.13	168.04	288.17	0.000009%			0.000000%			0.000000%		120.13	168.04	288.17
219500	219500	73,941.38	103,516.97	177,458.35	0.005474%	96.71	135.37	0.000226%	405.40	405.40	0.000709%	162.16	74,443.49	104,219.90	178,663.39

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
219500	219508	745,330.23	1,043,459.76	1,788,789.99	0.055182%	24,027.33	33,638.28	0.056179%	5,317.20	5,317.20	0.009302%	2,126.88	774,674.76	1,084,542.12	1,859,216.88
219500	619500	2,631.78	3,684.44	6,316.22	0.000195%			0.000000%			0.000000%		2,631.78	3,684.44	6,316.22
219500	619508	31,612.39	44,257.48	75,869.87	0.002340%			0.000000%			0.000000%		31,612.39	44,257.48	75,869.87
219500	955608	181,353.40	252,499.66	433,853.06	0.013384%			0.000000%			0.000000%		181,353.40	252,499.66	433,853.06
220100	197578	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
220100	220108	17,380,182.96	24,332,119.61	41,712,302.57	1.286771%	605,107.24	847,081.67	1.414703%	748,973.29	748,973.20	1.310218%	299,790.83	18,734,263.49	26,227,965.31	44,962,228.80
220100	220110	23,028.78	32,240.27	55,269.05	0.001705%			0.000000%			0.000000%		23,028.78	32,240.27	55,269.05
220100	620108	1,429,487.77	2,001,456.10	3,430,943.87	0.105840%	91,643.03	128,146.82	0.214017%	73,131.97	73,131.99	0.127934%	29,231.76	1,594,262.77	2,231,966.67	3,826,229.44
220100	693698	170,420.08	238,588.24	409,008.32	0.012617%			0.000000%	23,041.89	23,041.89	0.040308%	9,216.76	193,461.97	270,846.89	464,308.86
220100	955708	2,031,268.57	2,828,134.34	4,859,402.91	0.149906%			0.000000%			0.000000%	18.62	2,031,268.57	2,828,152.96	4,859,421.53
220300	220308	3,234,013.70	4,527,628.22	7,761,641.92	0.239437%	192,291.91	269,188.48	0.449569%	267,124.87	267,125.02	0.467296%	106,852.45	3,693,430.48	5,170,794.17	8,864,224.65
220300	958938	128,923.53	179,501.08	308,424.61	0.009515%			0.000000%			0.000000%		128,923.53	179,501.08	308,424.61
221100	197580	120.00	168.00	288.00	0.000009%			0.000000%			0.000000%		120.00	168.00	288.00
221100	221100	338,178.12	473,449.19	811,627.31	0.025038%			0.000000%	3,079.49	3,079.58	0.005387%	1,231.72	341,257.61	477,760.49	819,018.10
221100	221108	172,775.16	241,884.93	414,660.09	0.012792%	4,774.58	6,684.42	0.011164%	5,163.94	5,163.94	0.009034%	2,065.58	182,713.68	255,798.87	438,512.55
221100	621100	21,929.96	30,701.99	52,631.95	0.001624%			0.000000%			0.000000%		21,929.96	30,701.99	52,631.95
221100	955800	67,983.96	94,659.05	162,643.01	0.005017%			0.000000%			0.000000%	(4.49)	67,983.96	94,654.56	162,638.52
221300	197598	190.08	266.16	456.24	0.000014%			0.000000%			0.000000%		190.08	266.16	456.24
221300	221300	(23.44)	(32.82)	(56.26)	-0.000002%			0.000000%			0.000000%		(23.44)	(32.82)	(56.26)
221300	221308	992,599.09	1,389,638.98	2,382,238.07	0.073489%	25,223.02	35,312.09	0.058974%	33,633.49	33,633.44	0.058837%	13,453.41	1,051,455.60	1,472,037.92	2,523,493.52
221300	621308	67,197.52	94,076.67	161,274.19	0.004975%			0.000000%	3,313.60	3,313.60	0.005797%	1,325.44	70,511.12	98,715.71	169,226.83
221300	955908	166,838.27	232,336.33	399,174.60	0.012314%			0.000000%			0.000000%		166,838.27	232,336.33	399,174.60
221400	221408	825,103.32	1,155,140.61	1,980,243.93	0.061088%	30,609.50	42,853.16	0.071569%	16,473.13	16,473.09	0.028817%	6,589.20	872,185.95	1,221,056.06	2,093,242.01
221500	197608	282.95	395.96	678.91	0.000021%			0.000000%			0.000000%		282.95	395.96	678.91
221500	221508	2,577,835.58	3,608,966.43	6,186,802.01	0.190855%	57,022.60	79,831.34	0.133326%	65,519.42	65,519.62	0.114617%	26,207.65	2,700,377.60	3,780,525.04	6,480,902.64
221500	621508	264,861.17	370,803.70	635,664.87	0.019609%	8,499.52	11,899.29	0.019873%	18,091.59	18,091.68	0.031649%	7,236.42	291,452.28	408,031.09	699,483.37
221500	861508	42,923.11	60,092.26	103,015.37	0.003178%			0.000000%			0.000000%		42,923.11	60,092.26	103,015.37
221500	956008	509,713.12	709,679.95	1,219,393.07	0.037617%			0.000000%			0.000000%		509,713.12	709,679.95	1,219,393.07
221900	197610	120.00	168.00	288.00	0.000009%			0.000000%			0.000000%		120.00	168.00	288.00
221900	221900	112,881.62	158,034.06	270,915.68	0.008357%	3,359.20	4,702.88	0.007854%	5,470.40	5,470.40	0.009570%	2,188.16	121,711.22	170,395.50	292,106.72
221900	221908	355,189.56	497,331.53	852,521.09	0.026299%	3,518.17	4,858.88	0.008115%	960.00	960.00	0.001679%	384.00	359,667.73	503,534.41	863,202.14
221900	621908	107,754.56	150,855.87	258,610.43	0.007978%	8,458.25	11,841.57	0.019776%	2,425.44	2,425.55	0.004243%	970.24	118,638.25	166,093.23	284,731.48
221900	956100	68,450.09	95,303.83	163,753.92	0.005052%			0.000000%			0.000000%		68,450.09	95,303.83	163,753.92
222100	197628	200.04	279.97	480.01	0.000015%			0.000000%			0.000000%		200.04	279.97	480.01
222100	222108	1,876,752.01	2,627,394.84	4,504,146.85	0.138947%	68,762.45	96,267.34	0.160775%	55,042.41	55,042.63	0.096289%	22,069.22	2,000,556.87	2,800,774.03	4,801,330.90
222100	622108	77,345.11	108,283.09	185,628.20	0.005726%	6,611.44	9,256.08	0.015458%			0.000000%		83,956.55	117,539.17	201,495.72
222100	956208	307,597.53	428,199.51	735,797.04	0.022698%			0.000000%			0.000000%	70.88	307,597.53	428,270.39	735,867.92
222200	206120	47.56	66.59	114.15	0.000004%			0.000000%			0.000000%		47.56	66.59	114.15
222200	207120	2,229.91	3,121.87	5,351.78	0.000165%			0.000000%			0.000000%		2,229.91	3,121.87	5,351.78
222200	218310	3,052.69	4,273.76	7,326.45	0.000226%			0.000000%			0.000000%		3,052.69	4,273.76	7,326.45
222200	225520	2,536.98	3,551.77	6,088.75	0.000188%			0.000000%			0.000000%		2,536.98	3,551.77	6,088.75
222300	197638	152.00	212.80	364.80	0.000011%			0.000000%			0.000000%		152.00	212.80	364.80
222300	222308	483,293.65	676,610.13	1,159,903.78	0.035782%	5,946.61	8,325.26	0.013904%	6,583.82	6,583.83	0.011517%	2,633.52	495,824.08	694,152.74	1,189,976.82
222300	222310	7,523.56	10,423.11	17,946.67	0.000554%			0.000000%			0.000000%	109.87	7,523.56	10,532.98	18,056.54
222300	622308	29,418.14	41,185.36	70,603.50	0.002178%			0.000000%			0.000000%		29,418.14	41,185.36	70,603.50
222300	956308	156,083.14	217,315.41	373,398.55	0.011519%			0.000000%			0.000000%		156,083.14	217,315.41	373,398.55
222400	222408	834,215.86	1,167,902.72	2,002,118.58	0.061763%	47,701.77	66,782.33	0.111533%	67,594.49	67,594.65	0.118247%	27,037.64	949,512.12	1,329,317.34	2,278,829.46
222500	197648	192.00	268.80	460.80	0.000014%			0.000000%			0.000000%		192.00	268.80	460.80
222500	222508	1,269,573.37	1,777,398.81	3,046,972.18	0.093995%	34,298.90	48,018.26	0.080195%	19,655.61	19,655.43	0.034384%	7,862.23	1,323,527.88	1,852,934.73	3,176,462.61
222500	222510	1,575.60	2,205.84	3,781.44	0.000117%			0.000000%			0.000000%		1,575.60	2,205.84	3,781.44
222500	622508	55,703.92	77,985.49	133,689.41	0.004124%			0.000000%			0.000000%		55,703.92	77,985.49	133,689.41
222500	956408	76,111.26	105,970.34	182,081.60	0.005617%			0.000000%			0.000000%		76,111.26	105,970.34	182,081.60
222700	197658	231.36	324.00	555.36	0.000017%			0.000000%			0.000000%		231.36	324.00	555.36
222700	222708	1,308,656.67	1,832,141.60	3,140,798.27	0.096890%	59,772.21	83,681.28	0.139755%	24,664.04	24,664.00	0.043146%	9,842.60	1,393,092.92	1,950,329.48	3,343,422.40
222700	956508	206,018.72	286,841.78	492,860.50	0.015204%			0.000000%			0.000000%		206,018.72	286,841.78	492,860.50
222710	222710	3,428.88	4,800.46	8,229.34	0.000254%			0.000000%			0.000000%		3,428.88	4,800.46	8,229.34
222800	222808	2,125,413.52	2,975,571.76	5,100,985.28	0.157359%	101,122.31	141,571.22	0.236437%	104,585.77	104,585.75	0.182957%	41,834.14	2,331,121.60	3,263,562.87	5,594,684.47
222900	197660	173.68	243.10	416.78	0.000013%			0.000000%			0.000000%		173.68	243.10	416.78
222900	222900	207,454.05	290,436.15	497,890.20	0.015359%	132.42	185.41	0.000310%	240.00	240.00	0.000420%	96.00	207,826.47	290,957.56	498,784.03
222900	222908	797,120.29	1,115,967.77	1,913,088.06	0.059016%	12,877.15	18,028.19	0.030109%	3,659.84	3,659.84	0.006402%	1,463.93	813,657.28	1,139,119.73	1,952,777.01
222900	222910	5,842.29	8,179.22	14,021.51	0.000433%			0.000000%			0.000000%		5,842.29	8,179.22	14,021.51
222900	622900	25,643.20	35,900.48	61,543.68	0.001899%	1,920.00	2,688.00	0.004489%	1,843.20	1,843.20	0.003224%	737.28	29,406.40	41,168.96	70,575.36
222900	956608	152,714.53	212,626.20	365,340.73	0.011270%			0.000000%			0.000000%		152,714.53	212,626.20	365,340.73

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
223100	197678	300.00	420.03	720.03	0.000022%			0.000000%			0.000000%		300.00	420.03	720.03
223100	223100	551,396.31	771,953.31	1,323,349.62	0.040824%	10,868.17	15,215.40	0.025411%	10,361.17	10,361.15	0.018125%	4,144.46	572,625.65	801,674.32	1,374,299.97
223100	223108	3,733,269.58	5,226,465.15	8,959,734.73	0.276396%	86,952.81	121,732.40	0.203304%	111,250.58	111,250.81	0.194617%	44,610.39	3,931,472.97	5,504,058.75	9,435,531.72
223100	223130	761.54	1,066.16	1,827.70	0.000056%			0.000000%			0.000000%		761.54	1,066.16	1,827.70
223100	623108	158,750.68	222,251.29	381,001.97	0.011753%			0.000000%			0.000000%		158,750.68	222,251.29	381,001.97
223100	956700	433,516.64	603,587.26	1,037,103.90	0.031993%			0.000000%			0.000000%		433,516.64	603,587.26	1,037,103.90
223110	223110				0.000000%	5,160.30	7,224.46	0.012066%			0.000000%		5,160.30	7,224.46	12,384.76
223120	223120	12,476.23	17,466.66	29,942.89	0.000924%			0.000000%			0.000000%		12,476.23	17,466.66	29,942.89
224100	197680	188.34	263.65	451.99	0.000014%			0.000000%			0.000000%		188.34	263.65	451.99
224100	224100	175,542.72	245,759.45	421,302.17	0.012997%			0.000000%	4,076.13	4,076.16	0.007131%	1,630.45	179,618.85	251,466.06	431,084.91
224100	224108	719,385.49	1,007,140.16	1,726,525.65	0.053261%	41,248.88	57,748.40	0.096445%	35,853.54	35,853.52	0.062720%	14,341.52	796,487.91	1,115,083.60	1,911,571.51
224100	224120	22,970.77	32,159.09	55,129.86	0.001701%			0.000000%			0.000000%		22,970.77	32,159.09	55,129.86
224100	624108	60,480.22	84,672.03	145,152.25	0.004478%	4,992.00	6,988.80	0.011672%	7,700.16	7,700.16	0.013470%	3,080.08	73,172.38	102,441.07	175,613.45
224100	956800	115,577.86	160,920.00	276,497.86	0.008530%			0.000000%			0.000000%		115,577.86	160,920.00	276,497.86
224300	197698	188.04	263.18	451.22	0.000014%			0.000000%			0.000000%		188.04	263.18	451.22
224300	224300	(30,513.58)	(32,907.65)	(63,421.23)	-0.001956%			0.000000%			0.000000%	(10,725.51)	(30,513.58)	(43,633.16)	(74,146.74)
224300	224308	819,393.29	1,137,491.26	1,956,884.55	0.060367%	21,343.81	29,881.31	0.049904%	38,870.53	38,870.50	0.067998%	26,120.48	879,607.63	1,232,363.55	2,111,971.18
224300	224310	29,747.99	41,647.14	71,395.13	0.002202%			0.000000%			0.000000%		29,747.99	41,647.14	71,395.13
224300	224320	43,048.86	61,068.14	104,117.00	0.003212%	8,562.15	11,986.99	0.020019%	1,274.24	1,274.24	0.002229%	(290.35)	52,885.25	74,039.02	126,924.27
224300	624308	244,443.98	342,221.21	586,665.19	0.018098%	9,875.72	13,826.07	0.023091%	13,786.46	13,786.41	0.024117%	5,514.60	268,106.16	375,348.29	643,454.45
224300	956908	161,672.34	225,097.78	386,770.12	0.011931%			0.000000%			0.000000%		161,672.34	225,097.78	386,770.12
224500	197708	300.06	420.01	720.07	0.000022%			0.000000%			0.000000%		300.06	420.01	720.07
224500	224508	2,902,402.93	4,063,343.36	6,965,746.29	0.214884%	97,230.75	136,123.01	0.227338%	58,398.26	58,398.33	0.102159%	23,384.30	3,058,031.94	4,281,249.00	7,339,280.94
224500	224520	111,591.79	156,287.85	267,879.64	0.008264%			0.000000%			0.000000%	(59.50)	111,591.79	156,228.35	267,820.14
224500	624508	273,161.87	382,426.79	655,588.66	0.020224%	4,314.21	6,039.89	0.010087%	7,852.88	7,852.94	0.013738%	3,141.07	285,328.96	399,460.69	684,789.65
224500	864508	719,260.45	1,006,964.83	1,726,225.28	0.053252%	28,495.02	39,893.02	0.066625%	11,591.53	11,591.59	0.020278%	4,636.55	759,347.00	1,063,085.99	1,822,432.99
224500	957008	320,954.47	446,874.24	767,828.71	0.023687%			0.000000%			0.000000%	(19.06)	320,954.47	446,855.18	767,809.65
224900	197710	276.12	386.44	662.56	0.000020%			0.000000%			0.000000%		276.12	386.44	662.56
224900	224900	1,627,289.42	2,277,043.68	3,904,333.10	0.120444%	21,824.52	30,554.36	0.051029%	15,242.46	15,242.49	0.026664%	7,258.68	1,664,356.40	2,330,099.21	3,994,455.61
224900	224908	70,647.53	96,323.27	166,970.80	0.005151%	10,928.29	15,299.59	0.025552%	7,696.16	7,696.16	0.013463%	5,661.71	89,271.98	124,980.73	214,252.71
224900	224920	29,211.70	40,896.35	70,108.05	0.002163%			0.000000%	5,198.28	5,198.28	0.009094%	2,079.30	34,409.98	48,173.93	82,583.91
224900	624908	124,995.43	174,993.81	299,989.24	0.009254%	3,747.90	5,247.06	0.008763%	815.15	815.07	0.001426%	326.02	129,558.48	181,381.96	310,940.44
224900	693460	663,049.99	928,270.31	1,591,320.30	0.049090%	8,355.98	11,698.37	0.019537%	2,457.76	2,457.76	0.004299%	983.10	673,863.73	943,409.54	1,617,273.27
224900	957100	225,403.81	314,696.01	540,099.82	0.016661%			0.000000%			0.000000%	(1,103.20)	225,403.81	313,592.81	538,996.62
225100	197720				0.000000%			0.000000%	238.79	238.79	0.000418%	95.53	238.79	334.32	573.11
225100	225100	898,746.40	1,258,043.52	2,156,789.92	0.066534%	42,181.42	59,054.14	0.098626%	30,896.40	30,896.51	0.054049%	12,560.38	971,824.22	1,360,554.55	2,332,378.77
225100	225108	906,980.81	1,269,358.33	2,176,339.14	0.067137%	33,041.94	46,258.40	0.077256%	11,430.26	11,430.36	0.019996%	4,986.78	951,453.01	1,332,033.87	2,283,486.88
225100	625108	127,535.48	178,549.32	306,084.80	0.009442%			0.000000%	956.04	956.04	0.001672%	382.42	128,491.52	179,887.78	308,379.30
225100	957200	118,264.44	164,860.53	283,124.97	0.008734%			0.000000%			0.000000%	(200.12)	118,264.44	164,660.41	282,924.85
225100	957208	158,976.01	221,721.42	380,697.43	0.011744%			0.000000%			0.000000%	(377.92)	158,976.01	221,343.50	380,319.51
225500	197738	278.03	389.22	667.25	0.000021%			0.000000%			0.000000%		278.03	389.22	667.25
225500	225508	2,203,174.63	3,084,369.82	5,287,544.45	0.163114%	29,867.88	41,814.99	0.069835%	14,541.51	14,541.51	0.025438%	5,919.64	2,247,584.02	3,146,645.96	5,394,229.98
225500	225510	5,760.54	8,064.77	13,825.31	0.000426%	1,812.39	2,537.32	0.004238%			0.000000%		7,572.93	10,602.09	18,175.02
225500	625508	40,852.39	57,193.13	98,045.52	0.003025%	6,190.28	8,666.36	0.014474%			0.000000%		47,042.67	65,859.49	112,902.16
225500	957308	250,587.50	348,895.71	599,483.21	0.018493%			0.000000%			0.000000%		250,587.50	348,895.71	599,483.21
226100	197748	231.96	324.84	556.80	0.000017%			0.000000%			0.000000%		231.96	324.84	556.80
226100	226100				0.000000%			0.000000%			0.000000%				
226100	226108	1,608,066.09	2,251,291.64	3,859,357.73	0.119056%	42,786.51	59,900.91	0.100040%	44,635.21	44,635.14	0.078083%	17,854.14	1,695,487.81	2,373,681.83	4,069,169.64
226100	626108	100,305.17	140,427.39	240,732.56	0.007426%			0.000000%			0.000000%		100,305.17	140,427.39	240,732.56
226100	957408	218,193.11	303,791.46	521,984.57	0.016103%			0.000000%			0.000000%		218,193.11	303,791.46	521,984.57
226500	197758				0.000000%			0.000000%	218.04	218.04	0.000381%	87.12	218.04	305.16	523.20
226500	226508	1,616,178.27	2,262,643.90	3,878,822.17	0.119657%	44,317.53	62,044.47	0.103620%	54,977.86	54,978.00	0.096176%	21,990.76	1,715,473.66	2,401,657.13	4,117,130.79
226500	226520	4,022.71	5,631.80	9,654.51	0.000298%			0.000000%			0.000000%		4,022.71	5,631.80	9,654.51
226500	957508	273,035.18	380,150.85	653,186.03	0.020150%			0.000000%			0.000000%		273,035.18	380,150.85	653,186.03
227100	197760				0.000000%			0.000000%	300.04	300.04	0.000525%	119.86	300.04	419.90	719.94
227100	227100	2,473,681.01	3,463,140.23	5,936,821.24	0.183143%	78,722.41	110,211.34	0.184063%	69,416.35	69,415.63	0.121432%	27,772.32	2,621,819.77	3,670,539.52	6,292,359.29
227100	227108	6,215,830.95	8,701,199.18	14,917,030.13	0.460171%	208,812.90	292,306.76	0.488179%	222,267.93	222,269.46	0.388828%	89,895.06	6,646,911.78	9,305,670.46	15,952,582.24
227100	227130	10,175.95	14,246.25	24,422.20	0.000753%			0.000000%			0.000000%		10,175.95	14,246.25	24,422.20
227100	857600	39,761.07	59,973.09	99,734.16	0.003077%			0.000000%			0.000000%		39,761.07	59,973.09	99,734.16
227100	957600	715,323.72	995,919.47	1,711,243.19	0.052790%			0.000000%			0.000000%	31.20	715,323.72	995,950.67	1,711,274.39
227100	957608	238,744.65	332,393.19	571,137.84	0.017619%			0.000000%			0.000000%	15.18	238,744.65	332,408.37	571,153.02
227500	197778	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
227500	227508	12,264,874.46	17,170,871.48	29,435,745.94	0.908055%	553,186.44	774,379.81	1.293284%	399,229.37	399,230.07	0.698394%	159,704.76	13,217,290.27	18,504,186.12	31,721,476.39

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
227500	227520				0.000000%			0.000000%	13,199.95	13,200.06	0.023092%	5,279.96	13,199.95	18,480.02	31,679.97
227500	627508	988,288.96	1,383,602.53	2,371,891.49	0.073170%	38,121.93	53,371.12	0.089135%	32,544.97	32,545.47	0.056934%	13,017.50	1,058,955.86	1,482,536.62	2,541,492.48
227500	680508	582,014.19	814,867.97	1,396,882.16	0.043092%	7,132.06	9,936.78	0.016595%	12,057.57	12,057.58	0.021093%	4,823.13	601,203.82	841,685.46	1,442,889.28
227500	685100	26,310.42	36,834.43	63,144.85	0.001948%			0.000000%			0.000000%		26,310.42	36,834.43	63,144.85
227500	957708	2,945,182.01	4,100,610.41	7,045,792.42	0.217354%			0.000000%			0.000000%		2,945,182.01	4,100,610.41	7,045,792.42
227500	980098	237,157.20	330,197.03	567,354.23	0.017502%			0.000000%			0.000000%		237,157.20	330,197.03	567,354.23
228100	197788	300.05	420.03	720.08	0.000022%			0.000000%			0.000000%		300.05	420.03	720.08
228100	228100				0.000000%			0.000000%			0.000000%				
228100	228108	5,877,771.88	8,226,198.39	14,103,970.27	0.435090%	94,396.84	132,123.75	0.220659%	98,732.55	98,732.50	0.172718%	42,221.89	6,070,901.27	8,499,276.53	14,570,177.80
228100	228120	14,939.39	20,915.08	35,854.47	0.001106%			0.000000%			0.000000%		14,939.39	20,915.08	35,854.47
228100	228130	1,846.18	2,584.66	4,430.84	0.000137%			0.000000%			0.000000%		1,846.18	2,584.66	4,430.84
228100	628108	170,976.20	239,351.77	410,327.97	0.012658%	11,566.94	16,193.47	0.027045%	10,338.54	10,338.54	0.018086%	4,149.98	192,881.68	270,033.76	462,915.44
228100	957808	387,349.50	538,761.36	926,110.86	0.028569%			0.000000%			0.000000%	505.75	387,349.50	539,267.11	926,616.61
228110	228110	2,853.71	3,995.23	6,848.94	0.000211%			0.000000%			0.000000%		2,853.71	3,995.23	6,848.94
228500	197790	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
228500	228500	219,540.18	307,355.63	526,895.81	0.016254%			0.000000%	7,438.98	7,438.99	0.013013%	2,975.54	226,979.16	317,770.16	544,749.32
228500	228508	1,738,169.10	2,433,416.64	4,171,585.74	0.128688%	39,957.34	55,940.20	0.093425%	42,365.43	42,365.59	0.074112%	16,960.88	1,820,491.87	2,548,683.31	4,369,175.18
228500	228510	18,918.45	26,485.76	45,404.21	0.001401%			0.000000%	3,647.83	3,647.84	0.006381%	1,459.11	22,566.28	31,592.71	54,158.99
228500	628508	199,419.58	279,187.37	478,606.95	0.014764%	9,290.80	13,007.13	0.021723%	4,009.82	4,009.81	0.007015%	1,603.93	212,720.20	297,808.24	510,528.44
228500	957900	237,166.61	330,210.18	567,376.79	0.017503%			0.000000%			0.000000%		237,166.61	330,210.18	567,376.79
228900	197808				0.000000%	224.12	313.66	0.000524%			0.000000%		224.12	313.66	537.78
228900	228900				0.000000%	(99.32)	(139.04)	-0.000232%			0.000000%		(99.32)	(139.04)	(238.36)
228900	228908	1,931,913.05	2,704,760.68	4,636,673.73	0.143035%	74,465.27	104,250.90	0.174108%	72,343.52	72,343.48	0.126554%	28,851.06	2,078,721.84	2,910,206.12	4,988,927.96
228900	228910	8,267.27	11,574.18	19,841.45	0.000612%			0.000000%			0.000000%		8,267.27	11,574.18	19,841.45
228900	958008	369,659.48	514,827.46	884,486.94	0.027285%			0.000000%			0.000000%	(148.30)	369,659.48	514,679.16	884,338.64
229300	197818	159.12	222.74	381.86	0.000012%			0.000000%			0.000000%		159.12	222.74	381.86
229300	229300	1,815.36	2,541.59	4,356.95	0.000134%			0.000000%			0.000000%		1,815.36	2,541.59	4,356.95
229300	229308	727,171.62	1,018,037.81	1,745,209.43	0.053837%	21,417.59	29,984.46	0.050077%	20,005.37	20,005.41	0.034997%	8,002.03	768,594.58	1,076,029.71	1,844,624.29
229300	229310	10,327.20	14,458.14	24,785.34	0.000765%			0.000000%			0.000000%		10,327.20	14,458.14	24,785.34
229300	557100	24,328.08	34,059.49	58,387.57	0.001801%			0.000000%	5,399.66	5,399.65	0.009446%	2,159.92	29,727.74	41,619.06	71,346.80
229300	629300	31,673.15	44,342.38	76,015.53	0.002345%	8,180.20	11,452.16	0.019126%			0.000000%		39,853.35	55,794.54	95,647.89
229300	958108	148,166.15	206,292.84	354,458.99	0.010935%			0.000000%			0.000000%		148,166.15	206,292.84	354,458.99
229700	197820	120.12	168.04	288.16	0.000009%			0.000000%			0.000000%		120.12	168.04	288.16
229700	229700	355,658.95	497,920.91	853,579.86	0.026332%	12,510.90	17,515.26	0.029252%	11,384.39	11,384.42	0.019915%	4,553.77	379,554.24	531,374.36	910,928.60
229700	629700	128,432.89	179,806.04	308,238.93	0.009509%	8,405.45	11,767.68	0.019653%	108.19	108.19	0.000189%	43.28	136,946.53	191,725.19	328,671.72
229700	958200	59,026.20	82,182.38	141,208.58	0.004356%			0.000000%			0.000000%		59,026.20	82,182.38	141,208.58
230100	197830	300.05	420.06	720.11	0.000022%			0.000000%			0.000000%		300.05	420.06	720.11
230100	230108	4,323,402.80	6,052,700.80	10,376,103.60	0.320090%	161,410.23	225,973.66	0.377396%	196,509.98	196,510.05	0.343765%	78,654.27	4,681,323.01	6,553,838.78	11,235,161.79
230100	230110	17,876.05	25,026.47	42,902.52	0.001323%			0.000000%			0.000000%		17,876.05	25,026.47	42,902.52
230100	630108	295,000.05	413,000.62	708,000.67	0.021841%	11,851.79	16,592.61	0.027711%	19,740.43	19,740.43	0.034533%	7,896.01	326,592.27	457,229.67	783,821.94
230100	868308	618,245.70	865,536.05	1,483,781.75	0.045773%	12,443.79	17,421.24	0.029095%	30,840.81	30,840.83	0.053951%	12,343.75	661,530.30	926,141.87	1,587,672.17
230100	958308	1,068,165.45	1,487,214.76	2,555,380.21	0.078830%			0.000000%			0.000000%		1,068,165.45	1,487,214.76	2,555,380.21
231100	197848	242.04	338.79	580.83	0.000018%			0.000000%			0.000000%		242.04	338.79	580.83
231100	231100	58.42	81.78	140.20	0.000004%			0.000000%			0.000000%		58.42	81.78	140.20
231100	231108	1,676,751.65	2,347,569.07	4,024,320.72	0.124145%	59,598.13	83,437.36	0.139348%	64,138.32	64,138.44	0.112201%	25,534.40	1,800,488.10	2,520,679.27	4,321,167.37
231100	231110	17,432.71	24,405.66	41,838.37	0.001291%			0.000000%			0.000000%		17,432.71	24,405.66	41,838.37
231100	958408	296,142.40	412,321.82	708,464.22	0.021855%			0.000000%			0.000000%		296,142.40	412,321.82	708,464.22
231500	231508	2,462,765.96	3,447,969.49	5,910,735.45	0.182339%	89,130.41	124,782.54	0.208398%	120,181.12	120,181.32	0.210240%	47,973.78	2,672,077.49	3,740,907.13	6,412,984.62
231500	958508	428,378.05	596,433.73	1,024,811.78	0.031614%			0.000000%			0.000000%		428,378.05	596,433.73	1,024,811.78
231520	231520	8,604.14	12,136.89	20,741.03	0.000640%			0.000000%			0.000000%	(91.10)	8,604.14	12,045.79	20,649.93
232100	197868	193.45	270.80	464.25	0.000014%			0.000000%			0.000000%		193.45	270.80	464.25
232100	232108	1,177,830.14	1,648,956.31	2,826,786.45	0.087203%	27,676.24	38,746.79	0.064711%	34,031.07	34,031.09	0.059532%	13,612.24	1,239,537.45	1,735,346.43	2,974,883.88
232100	632108	88,660.33	124,124.16	212,784.49	0.006564%	30.00	42.00	0.000070%	1,975.10	1,975.06	0.003455%	790.05	90,665.43	126,931.27	217,596.70
232100	958608	140,688.80	195,882.00	336,570.80	0.010383%			0.000000%			0.000000%		140,688.80	195,882.00	336,570.80
232500	197878	299.26	418.86	718.12	0.000022%			0.000000%			0.000000%		299.26	418.86	718.12
232500	232508	3,778,025.92	5,289,558.67	9,067,584.59	0.279723%	86,909.13	121,548.43	0.202997%	134,264.97	134,265.06	0.234877%	53,500.40	3,999,200.02	5,598,872.56	9,598,072.58
232500	232510	103,067.03	144,293.65	247,360.68	0.007631%			0.000000%			0.000000%		103,067.03	144,293.65	247,360.68
232500	232520	55,371.81	77,520.49	132,892.30	0.004100%			0.000000%			0.000000%		55,371.81	77,520.49	132,892.30
232500	632508	203,943.36	285,517.92	489,461.28	0.015099%	19,951.99	27,932.64	0.046650%	21,410.99	21,410.68	0.037455%	8,564.23	245,306.34	343,425.47	588,731.81
232500	958708	466,752.42	649,862.72	1,116,615.14	0.034446%			0.000000%			0.000000%		466,752.42	649,862.72	1,116,615.14
232900	197888	164.04	229.56	393.60	0.000012%			0.000000%			0.000000%		164.04	229.56	393.60
232900	232900	67.38	94.34	161.72	0.000005%			0.000000%			0.000000%		67.38	94.34	161.72
232900	232908	882,371.42	1,235,316.58	2,117,688.00	0.065328%	16,678.50	23,349.79	0.038996%	38,644.49	38,644.48	0.067603%	15,457.86	937,694.41	1,312,768.71	2,250,463.12

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
232900	632908	68,605.67	96,047.42	164,653.09	0.005079%			0.000000%			0.000000%		68,605.67	96,047.42	164,653.09
232900	958808	118,064.17	164,381.55	282,445.72	0.008713%			0.000000%			0.000000%		118,064.17	164,381.55	282,445.72
240200	240200	(35,109.25)	(31,246.99)	(66,356.24)	-0.002047%			0.000000%			0.000000%	(17,905.94)	(35,109.25)	(49,152.93)	(84,262.18)
240200	240208	38,174,848.97	53,466,590.87	91,641,439.84	2.827022%	1,303,994.93	1,825,438.31	3.048647%	1,154,470.16	1,154,467.07	2.019570%	435,816.45	40,633,314.06	56,882,312.70	97,515,626.76
240200	951800	35,381.35	45,122.05	80,503.40	0.002483%			0.000000%			0.000000%	4,411.81	35,381.35	49,533.86	84,915.21
240200	951808	1,899,696.62	2,657,675.98	4,557,372.60	0.140589%			0.000000%			0.000000%	(8,239.41)	1,899,696.62	2,649,436.57	4,549,133.19
243700	243708	44,029,710.65	61,644,869.00	105,674,579.65	3.259926%	2,020,193.97	2,828,133.86	4.723239%	7,724,554.44	7,724,553.33	13.512970%	3,086,618.95	53,774,459.06	75,284,175.14	129,058,634.20
247100	247108	6,397,599.71	8,956,605.82	15,354,205.53	0.473658%	202,683.45	283,756.55	0.473899%	312,608.55	312,608.25	0.546862%	125,055.05	6,912,891.71	9,678,025.67	16,590,917.38
247100	959118	259,642.77	361,502.42	621,145.19	0.019162%			0.000000%			0.000000%		259,642.77	361,502.42	621,145.19
250000	197318	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
250000	250008	18,873,241.91	26,422,657.69	45,295,899.60	1.397321%	523,636.74	733,092.11	1.224330%	723,105.64	723,103.57	1.264963%	289,076.24	20,119,984.29	28,167,929.61	48,287,913.90
250000	250020	149,709.34	209,593.11	359,302.45	0.011084%			0.000000%			0.000000%		149,709.34	209,593.11	359,302.45
250000	609508	414,291.55	580,007.30	994,298.85	0.030673%	42,026.64	58,836.95	0.098263%	71,667.76	71,667.75	0.125372%	28,667.15	527,985.95	739,179.15	1,267,165.10
250000	853108	100,407.20	151,427.58	251,834.78	0.007769%			0.000000%			0.000000%	(8.63)	100,407.20	151,418.95	251,826.15
250000	953108	3,354,521.03	4,670,527.63	8,025,048.66	0.247563%			0.000000%			0.000000%		3,354,521.03	4,670,527.63	8,025,048.66
250010	250010	16,193.95	22,554.51	38,748.46	0.001195%			0.000000%			0.000000%	117.02	16,193.95	22,671.53	38,865.48
264900	264900	4,586.76	6,421.44	11,008.20	0.000340%			0.000000%			0.000000%		4,586.76	6,421.44	11,008.20
295200	295200				0.000000%			0.000000%	180.00	180.00	0.000315%	72.00	180.00	252.00	432.00
297300	297300	67,661.45	94,726.39	162,387.84	0.005009%	1,694.16	2,371.77	0.003961%	1,719.48	1,719.48	0.003008%	687.80	71,075.09	99,505.44	170,580.53
297300	297308	67,661.45	94,726.33	162,387.78	0.005009%	1,694.16	2,371.76	0.003961%	1,719.48	1,719.48	0.003008%	687.80	71,075.09	99,505.37	170,580.46
300100	300108	5,920,805.93	8,289,054.67	14,209,860.60	0.438356%	135,053.38	189,064.40	0.315755%	111,515.15	111,514.51	0.195078%	44,674.94	6,167,374.46	8,634,308.52	14,801,682.98
300300	300308	624,836.10	874,510.67	1,499,346.77	0.046253%	18,515.01	25,921.06	0.043291%	15,928.13	15,928.30	0.027864%	6,629.15	659,279.24	922,989.18	1,582,268.42
300400	300408	358,424.09	501,792.00	860,216.09	0.026537%	18,264.39	25,570.05	0.042704%	8,101.22	8,101.26	0.014172%	3,240.50	384,789.70	538,703.81	923,493.51
300500	300508	575,947.90	806,462.86	1,382,410.76	0.042646%	18,221.55	25,510.02	0.042604%	42,916.33	42,916.16	0.075076%	17,029.92	637,085.78	891,918.96	1,529,004.74
300600	300608	514,149.61	719,809.34	1,233,958.95	0.038066%	6,418.24	8,985.55	0.015007%	14,326.36	14,326.23	0.025062%	5,730.50	534,894.21	748,851.62	1,283,745.83
300700	300700	16,415.12	22,981.38	39,396.50	0.001215%			0.000000%			0.000000%		16,415.12	22,981.38	39,396.50
300700	300708	395,738.13	554,033.88	949,772.01	0.029299%			0.000000%	8,802.72	8,802.63	0.015399%	3,521.09	404,540.85	566,357.60	970,898.45
300700	640700	5,796.46	8,115.00	13,911.46	0.000429%			0.000000%			0.000000%		5,796.46	8,115.00	13,911.46
300700	640708	15,806.94	22,129.80	37,936.74	0.001170%			0.000000%			0.000000%		15,806.94	22,129.80	37,936.74
300800	300808	835,374.99	1,168,907.73	2,004,282.72	0.061830%	16,799.58	23,519.64	0.039280%	28,394.64	28,394.85	0.049673%	11,973.18	880,569.21	1,232,795.40	2,113,364.61
300900	300900	72,653.83	101,712.83	174,366.66	0.005379%	382.61	535.64	0.000895%	1,068.17	1,068.14	0.001869%	427.29	74,104.61	103,743.90	177,848.51
300900	300908	667,361.91	934,305.43	1,601,667.34	0.049409%	31,637.40	44,292.44	0.073972%	12,554.92	12,554.81	0.021963%	5,021.87	711,554.23	996,174.55	1,707,728.78
301000	301008	412,997.04	578,186.71	991,183.75	0.030577%	9,016.92	12,623.66	0.021083%	3,173.16	3,173.21	0.005551%	1,276.17	425,187.12	595,259.75	1,020,446.87
301100	301100	64,729.01	90,621.74	155,350.75	0.004792%	647.25	906.16	0.001513%	2,351.35	2,351.47	0.004114%	940.47	67,727.61	94,819.84	162,547.45
301100	301108	655,575.11	917,805.12	1,573,380.23	0.048537%	32,331.37	45,264.05	0.075595%	7,751.97	7,752.02	0.013561%	3,100.79	695,658.45	973,921.98	1,669,580.43
301200	301208	1,038,882.99	1,454,394.01	2,493,277.00	0.076914%	1,582.23	2,215.07	0.003699%	3,838.31	3,838.35	0.006715%	1,575.07	1,044,303.53	1,462,022.50	2,506,326.03
301300	301308	644,165.06	901,837.71	1,546,002.77	0.047692%	6,922.54	9,691.53	0.016186%	10,319.45	10,319.54	0.018053%	4,121.69	661,407.05	925,970.47	1,587,377.52
301400	301408	131,361.05	183,905.00	315,266.05	0.009726%			0.000000%			0.000000%		131,361.05	183,905.00	315,266.05
301500	301500	88,699.16	124,178.68	212,877.84	0.006567%	288.60	404.04	0.000675%			0.000000%		88,987.76	124,582.72	213,570.48
301600	301608	425,224.12	595,313.03	1,020,537.15	0.031482%	12,892.48	18,049.48	0.030144%	1,847.25	1,847.38	0.003232%	738.77	439,963.85	615,948.66	1,055,912.51
301700	301700	104,531.43	146,238.12	250,769.55	0.007736%	940.06	1,316.15	0.002198%	9,675.06	9,675.03	0.016925%	3,975.11	115,146.55	161,204.41	276,350.96
301700	301708	251,333.16	351,866.90	603,200.06	0.018608%	10,905.44	15,267.66	0.025498%	346.79	346.79	0.000607%	138.73	262,585.39	367,620.08	630,205.47
301800	301808	469,396.72	657,156.21	1,126,552.93	0.034753%	24,724.30	34,614.17	0.057809%	21,649.18	21,649.20	0.037872%	8,659.58	515,770.20	722,079.16	1,237,849.36
301900	301900	261,097.23	365,880.40	626,977.63	0.019341%	6,155.25	8,617.32	0.014392%	726.00	726.00	0.001270%	(54.25)	267,978.48	375,169.47	643,147.95
302000	302008	531,637.15	744,270.53	1,275,907.68	0.039360%	8,221.94	11,510.65	0.019224%	1,009.58	1,009.58	0.001766%	423.48	540,868.67	757,214.24	1,298,082.91
302100	302108	673,193.30	942,467.80	1,615,661.10	0.049841%	2,662.89	3,727.99	0.006226%	16,979.59	16,979.32	0.029703%	6,791.72	692,835.78	969,966.83	1,662,802.61
302200	302208	734,470.01	1,028,253.95	1,762,723.96	0.054378%	16,371.09	22,919.56	0.038278%	53,775.60	53,775.51	0.094072%	21,510.23	804,616.70	1,126,459.25	1,931,075.95
302300	302300	380,515.37	532,722.50	913,237.87	0.028172%			0.000000%	26,146.26	26,146.33	0.045739%	10,458.39	406,661.63	569,327.22	975,988.85
302300	302308	28,366.23	39,712.80	68,079.03	0.002100%			0.000000%			0.000000%		28,366.23	39,712.80	68,079.03
302400	302400	93,606.32	131,046.93	224,653.25	0.006930%	3,504.78	4,906.69	0.008195%	9,137.64	9,137.55	0.015985%	3,654.93	106,248.74	148,746.10	254,994.84
302400	302408	580,281.68	812,393.04	1,392,674.72	0.042962%	10,835.71	15,169.99	0.025335%	7,029.81	7,029.82	0.012298%	2,811.95	598,147.20	837,404.80	1,435,552.00
302500	302508	1,161,136.69	1,625,590.81	2,786,727.50	0.085967%	82,048.22	114,867.63	0.191839%	23,357.70	23,357.68	0.040861%	9,343.09	1,266,542.61	1,773,159.21	3,039,701.82
302600	302608	537,238.46	753,636.53	1,290,874.99	0.039822%	42,709.70	59,793.39	0.099860%	32,218.02	32,218.07	0.056361%	11,382.60	612,166.18	857,030.59	1,469,196.77
302700	302700	10,435.62	14,610.18	25,045.80	0.000773%	667.92	935.04	0.001562%	667.92	667.91	0.001168%	267.24	11,771.46	16,480.37	28,251.83
302700	302708	235,984.69	330,378.00	566,362.69	0.017472%	14,801.67	20,722.28	0.034608%	5,304.53	5,304.50	0.009279%	2,121.77	256,090.89	358,526.55	614,617.44
302800	302808	371,857.90	520,601.28	892,459.18	0.027531%	12,611.72	17,656.34	0.029488%	1,214.34	1,214.38	0.002124%	485.74	385,683.96	539,957.74	925,641.70
302900	302900	91,845.39	128,583.51	220,428.90	0.006800%			0.000000%	2,411.42	2,411.46	0.004218%	964.52	94,256.81	131,959.49	226,216.30
302900	302908	329,752.80	461,653.88	791,406.68	0.024414%	5,447.62	7,626.62	0.012737%			0.000000%		335,200.42	469,280.50	804,480.92
302900	988058	13,122.20	18,270.06	31,392.26	0.000968%			0.000000%			0.000000%		13,122.20	18,270.06	31,392.26
303000	303008	524,526.91	734,337.98	1,258,864.89	0.038834%	15,003.45	21,004.84	0.035080%	26,368.53	26,368.71	0.046128%	10,547.41	565,898.89	792,258.94	1,358,157.83
303100	303100	447,832.23	627,112.42	1,074,944.65	0.033161%	5,244.12	7,341.74	0.012261%	19,056.15	19,056.11	0.033336%	7,473.10	472,132.50	660,983.37	1,133,115.87
303300	303300	9,610.71	13,455.00	23,065.71	0.000712%			0.000000%	319.60	319.61	0.000559%	127.83	9,930.31	13,902.44	23,832.75
303300	303308	108,081.82	151,314.69	259,396.51	0.008002%			0.000000%	870.70	870.70	0.001523%	348.27	108,952.52	152,533.66	261,486.18

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
303400	303408	580,848.05	813,167.97	1,394,016.02	0.043004%	13,366.70	18,713.42	0.031253%	35,507.37	35,507.25	0.062115%	14,220.37	629,722.12	881,609.01	1,511,331.13
303500	303508	2,724,638.72	3,814,541.73	6,539,180.45	0.201725%	88,701.86	124,182.48	0.207396%	95,477.60	95,477.68	0.167024%	38,142.57	2,908,818.18	4,072,344.46	6,981,162.64
303500	643508	275,663.18	385,928.46	661,591.64	0.020409%	15,434.12	21,607.80	0.036087%	6,290.96	6,290.96	0.011005%	2,516.40	297,388.26	416,343.62	713,731.88
303600	303608	362,437.83	507,360.00	869,797.83	0.026832%	8,902.17	12,461.33	0.020812%	7,621.22	7,621.37	0.013332%	3,101.73	378,961.22	530,544.43	909,505.65
303700	303700	100,968.16	141,355.51	242,323.67	0.007475%	51.95	72.73	0.000121%	1,337.98	1,337.99	0.002341%	535.11	102,358.09	143,301.34	245,659.43
303800	303800	97,646.26	136,704.66	234,350.92	0.007229%			0.000000%			0.000000%		97,646.26	136,704.66	234,350.92
303800	303808	488,470.56	683,857.40	1,172,327.96	0.036165%	20,609.13	28,852.61	0.048186%	23,300.34	23,300.38	0.040761%	9,320.28	532,380.03	745,330.67	1,277,710.70
303900	303900	788,269.55	1,103,063.92	1,891,333.47	0.058345%	21,939.62	30,707.33	0.051284%	27,198.79	27,198.77	0.047580%	11,402.04	837,407.96	1,172,372.06	2,009,780.02
304000	304008	1,105,048.49	1,547,064.33	2,652,112.82	0.081814%	5,641.39	7,897.84	0.013190%	39,575.64	39,575.82	0.069232%	15,829.98	1,150,265.52	1,610,367.97	2,760,633.49
304100	304100	325,136.31	455,191.84	780,328.15	0.024072%	9,511.14	13,315.74	0.022238%	5,518.08	5,518.13	0.009653%	2,207.29	340,165.53	476,233.00	816,398.53
304500	304508	1,211,828.81	1,686,581.82	2,898,410.63	0.089412%	18,188.21	25,463.51	0.042526%	19,098.55	19,098.89	0.033411%	17,621.23	1,249,115.57	1,748,765.45	2,997,881.02
304500	880718	200,571.97	302,529.49	503,101.46	0.015520%			0.000000%			0.000000%		200,571.97	302,529.49	503,101.46
304600	304608	340,751.28	477,051.52	817,802.80	0.025228%	5,385.29	7,539.39	0.012591%	8,278.04	8,278.04	0.014481%	3,311.24	354,414.61	496,180.19	850,594.80
304700	304700				0.000000%			0.000000%			0.000000%				
304700	304708	28,781,144.00	40,293,332.01	69,074,476.01	2.130860%	1,063,001.64	1,488,182.80	2.485400%	1,552,379.74	1,552,379.76	2.715660%	621,236.00	31,396,525.38	43,955,130.57	75,351,655.95
304700	644708	2,488,950.36	3,484,517.93	5,973,468.29	0.184274%	110,279.46	154,390.85	0.257847%	196,704.53	196,704.57	0.344106%	78,694.81	2,795,934.35	3,914,308.16	6,710,242.51
304900	304900	276,641.55	387,313.22	663,954.77	0.020482%	6,539.49	9,155.24	0.015290%	3,740.92	3,740.97	0.006544%	1,481.34	286,921.96	401,690.77	688,612.73
304900	304908	31,299.40	43,819.28	75,118.68	0.002317%			0.000000%			0.000000%		31,299.40	43,819.28	75,118.68
305100	305100	321,942.80	450,721.51	772,664.31	0.023836%			0.000000%	18,322.49	18,322.18	0.032052%	7,326.03	340,265.29	476,369.72	816,635.01
305100	305108	6,325.03	8,855.00	15,180.03	0.000468%			0.000000%			0.000000%		6,325.03	8,855.00	15,180.03
305200	305208	100,416.39	140,398.67	240,815.06	0.007429%			0.000000%			0.000000%	184.23	100,416.39	140,582.90	240,999.29
305300	305308	1,718,742.25	2,406,234.28	4,124,976.53	0.127250%	59,319.00	83,046.93	0.138696%	24,318.44	24,318.75	0.042542%	9,727.15	1,802,379.69	2,523,327.11	4,325,706.80
306100	306100				0.000000%			0.000000%			0.000000%				
306100	306108	7,570,523.04	10,598,333.07	18,168,856.11	0.560486%	235,851.09	330,191.47	0.551450%	290,392.49	290,392.29	0.507999%	116,549.49	8,096,766.62	11,335,466.32	19,432,232.94
306100	981138	36,884.76	51,318.06	88,202.82	0.002721%			0.000000%			0.000000%	36.84	36,884.76	51,354.90	88,239.66
306300	306308	476,222.77	666,711.36	1,142,934.13	0.035258%	13,859.81	19,403.81	0.032406%	53,152.03	53,152.09	0.092982%	21,260.68	543,234.61	760,527.94	1,303,762.55
306400	306400	37,613.47	52,659.58	90,273.05	0.002785%			0.000000%			0.000000%		37,613.47	52,659.58	90,273.05
306400	306408	30,119.32	42,167.12	72,286.44	0.002230%			0.000000%			0.000000%		30,119.32	42,167.12	72,286.44
306500	306508	1,059,828.58	1,483,758.58	2,543,587.16	0.078466%	57,402.70	80,363.89	0.134215%	27,629.82	27,629.84	0.048334%	11,051.85	1,144,861.10	1,602,804.16	2,747,665.26
306700	306708	114,780.27	160,661.72	275,441.99	0.008497%	4,890.17	6,846.22	0.011434%	150.00	150.00	0.000262%	90.40	119,820.44	167,748.34	287,568.78
306900	306900	40,006.57	56,008.41	96,014.98	0.002962%			0.000000%			0.000000%		40,006.57	56,008.41	96,014.98
306900	306908	639,797.42	895,715.36	1,535,512.78	0.047369%	28,604.08	40,045.69	0.066880%			0.000000%		668,401.50	935,761.05	1,604,162.55
307000	307008	300,806.59	421,128.32	721,934.91	0.022271%			0.000000%			0.000000%		300,806.59	421,128.32	721,934.91
307100	307108	152,019.51	212,827.44	364,846.95	0.011255%			0.000000%	11,980.80	11,980.80	0.020959%	4,792.32	164,000.31	229,600.56	393,600.87
307200	307208	227,497.98	318,498.39	545,996.37	0.016843%			0.000000%	224.00	224.00	0.000392%	89.60	227,721.98	318,811.99	546,533.97
307300	307308	341,312.43	477,836.53	819,148.96	0.025270%	3,992.04	5,588.80	0.009334%	2,433.35	2,433.34	0.004257%	973.31	347,737.82	486,831.98	834,569.80
307400	307400	110,831.06	155,163.00	265,994.06	0.008206%			0.000000%			0.000000%		110,831.06	155,163.00	265,994.06
307500	307508	1,681,236.38	2,353,725.00	4,034,961.38	0.124473%	36,673.64	51,343.09	0.085748%	8,355.15	8,355.16	0.014616%	3,342.09	1,726,265.17	2,416,765.34	4,143,030.51
307600	307608	347,137.16	485,990.84	833,128.00	0.025701%			0.000000%	479.22	479.10	0.000838%	191.73	347,616.38	486,661.67	834,278.05
307700	307708	1,011,366.66	1,416,099.06	2,427,465.72	0.074884%	31,708.51	44,294.86	0.073976%	11,876.40	11,876.55	0.020776%	4,663.59	1,054,951.57	1,476,934.06	2,531,885.63
307800	307808	328,695.01	460,172.86	788,867.87	0.024336%			0.000000%	1,956.35	1,956.35	0.003422%	782.55	330,651.36	462,911.76	793,563.12
307900	307908	901,681.82	1,262,354.49	2,164,036.31	0.066758%	27,697.96	38,777.25	0.064762%	24,307.15	24,307.08	0.042522%	9,722.86	953,686.93	1,335,161.68	2,288,848.61
308000	308008	374,040.22	523,561.13	897,601.35	0.027690%	669.62	937.42	0.001566%	15,137.34	15,137.58	0.026481%	6,146.73	389,847.18	545,782.86	935,630.04
308100	308108	972,006.70	1,360,850.61	2,332,857.31	0.071966%	34,218.02	47,905.25	0.080006%	48,501.72	48,501.64	0.084846%	19,359.15	1,054,726.44	1,476,616.65	2,531,343.09
308200	308200	159,695.20	223,570.75	383,265.95	0.011823%	4,659.15	6,522.73	0.010894%	5,555.41	5,555.33	0.009718%	2,222.09	169,909.76	237,870.90	407,780.66
308200	308208	1,083,274.07	1,516,582.55	2,599,856.62	0.080202%	80,355.97	112,498.10	0.187882%	55,286.52	55,286.55	0.096716%	22,114.57	1,218,916.56	1,706,481.77	2,925,398.33
308300	308308	245,901.46	344,261.57	590,163.03	0.018206%	4,156.25	5,818.71	0.009718%	4,182.01	4,182.12	0.007316%	1,672.77	254,239.72	355,935.17	610,174.89
308400	308408	315,929.24	442,298.08	758,227.32	0.023390%	6,405.67	8,967.93	0.014977%	4,524.14	4,524.12	0.007914%	1,809.64	326,859.05	457,599.77	784,458.82
308500	308500	35,598.46	49,836.66	85,435.12	0.002636%	508.68	712.09	0.001189%	1,134.91	1,134.94	0.001985%	454.01	37,242.05	52,137.70	89,379.75
308500	308508	558,153.32	781,413.76	1,339,567.08	0.041324%	5,323.55	7,452.98	0.012447%	2,191.89	2,191.90	0.003834%	876.77	565,668.76	791,935.41	1,357,604.17
308600	308600	26,833.07	37,566.37	64,399.44	0.001987%			0.000000%	579.14	579.13	0.001013%	231.68	27,412.21	38,377.18	65,789.39
308600	308608	287,029.66	401,841.45	688,871.11	0.021251%			0.000000%	27,704.70	27,704.67	0.048465%	11,081.94	314,734.36	440,628.06	755,362.42
308900	308908	752,113.04	1,049,028.45	1,801,141.49	0.055563%	43,173.49	60,328.66	0.100754%	43,273.65	43,219.31	0.075606%	21,405.55	838,560.18	1,173,981.97	2,012,542.15
309100	309108	315,990.11	442,387.00	758,377.11	0.023395%	2,948.21	4,127.49	0.006893%	4,319.20	4,319.20	0.007556%	1,727.68	323,257.52	452,561.37	775,818.89
309300	309300	31,301.41	43,821.39	75,122.80	0.002317%			0.000000%			0.000000%		31,301.41	43,821.39	75,122.80
309300	309308	167,741.17	234,837.48	402,578.65	0.012419%			0.000000%			0.000000%		167,741.17	234,837.48	402,578.65
309500	309500	104,635.06	146,488.67	251,123.73	0.007747%	480.87	673.18	0.001124%	2,442.65	2,442.68	0.004273%	977.07	107,558.58	150,581.60	258,140.18
309500	309508	438,838.20	614,372.92	1,053,211.12	0.032490%	13,663.52	19,128.96	0.031947%	7,800.88	7,800.88	0.013646%	3,120.34	460,302.60	644,423.10	1,104,725.70
309600	309608	176,633.21	247,286.93	423,920.14	0.013077%	14,193.33	19,870.70	0.033186%	708.35	708.36	0.001239%	283.36	191,534.89	268,149.35	459,684.24
309700	309708	234,351.85	328,094.15	562,446.00	0.017351%	2,803.34	3,924.78	0.006555%			0.000000%		237,155.19	332,018.93	569,174.12
309800	309800	12,139.16	16,994.19	29,133.35	0.000899%			0.000000%			0.000000%		12,139.16	16,994.19	29,133.35
309800	309808	21,082.56	29,516.25	50,598.81	0.001561%			0.000000%			0.000000%		21,082.56	29,516.25	50,598.81
309900	309908	274,041.75	383,658.46	657,700.21	0.020289%	8,844.99	12,383.00	0.020681%	8,765.81	8,765.82	0.015335%	3,506.32	291,652.55	408,313.60	699,966.15

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
313100	313108	273,423.77	382,792.11	656,215.88	0.020243%	10,618.61	14,865.99	0.024828%	6,165.96	6,166.03	0.010787%	2,466.34	290,208.34	406,290.47	696,498.81
313200	313208	85,392.49	119,549.55	204,942.04	0.006322%			0.000000%	3,337.99	3,337.99	0.005839%	1,335.18	88,730.48	124,222.72	212,953.20
313300	313308	39,673.76	55,542.90	95,216.66	0.002937%	4,400.57	6,160.80	0.010289%	2,790.72	2,790.72	0.004882%	1,116.30	46,865.05	65,610.72	112,475.77
313400	313408	485,451.50	679,631.93	1,165,083.43	0.035941%	9,334.91	13,068.85	0.021826%	30,001.70	30,001.76	0.052484%	12,000.81	524,788.11	734,703.35	1,259,491.46
313700	313708	779,892.92	1,091,848.47	1,871,741.39	0.057741%	50,428.11	70,599.31	0.117907%	22,209.42	22,209.21	0.038852%	8,883.82	852,530.45	1,193,540.81	2,046,071.26
314100	314108	2,606,449.38	3,648,680.30	6,255,129.68	0.192963%	125,610.75	175,854.83	0.293693%	102,938.42	102,998.34	0.180180%	41,462.12	2,834,998.55	3,968,995.59	6,803,994.14
314200	314200	113,047.16	158,264.85	271,312.01	0.008370%			0.000000%	246.12	246.13	0.000431%	98.44	113,293.28	158,609.42	271,902.70
314200	314208	175,185.30	245,257.94	420,443.24	0.012970%			0.000000%			0.000000%		175,185.30	245,257.94	420,443.24
314300	314300	204,178.45	285,847.65	490,026.10	0.015117%	360.10	504.03	0.000842%	6,825.79	6,826.02	0.011941%	2,730.39	211,364.34	295,908.09	507,272.43
314400	314408	275,194.26	385,270.14	660,464.40	0.020374%	103.36	144.70	0.000242%	14,069.04	14,069.12	0.024612%	5,627.59	289,366.66	405,111.55	694,478.21
314500	314500	163,098.04	228,336.86	391,434.90	0.012075%	11,573.88	16,203.34	0.027061%	5,639.36	5,639.44	0.009865%	2,255.77	180,311.28	252,435.41	432,746.69
314600	314608	489,619.19	685,467.10	1,175,086.29	0.036250%	7,692.70	10,769.79	0.017987%	13,446.92	13,447.04	0.023524%	5,378.87	510,758.81	715,062.80	1,225,821.61
314700	314700	135,842.65	190,176.74	326,019.39	0.010057%	449.39	629.15	0.001051%	4,119.81	4,119.83	0.007207%	1,647.64	140,411.85	196,573.36	336,985.21
314700	314708	598,913.66	838,479.94	1,437,393.60	0.044342%	7,132.15	9,985.06	0.016676%	9,824.20	9,824.08	0.017186%	3,929.66	615,870.01	862,218.74	1,478,088.75
314900	314900	148,557.33	207,980.62	356,537.95	0.010999%			0.000000%	7,169.80	7,169.80	0.012543%	2,867.94	155,727.13	218,018.36	373,745.49
314900	314908	18,551.34	25,954.16	44,505.50	0.001373%			0.000000%	10,909.60	10,909.60	0.019085%	4,381.65	29,460.94	41,245.41	70,706.35
315100	315108	254,904.39	356,865.52	611,769.91	0.018872%	5,936.80	8,311.54	0.013881%	4,704.36	4,704.36	0.008230%	1,881.71	265,545.55	371,763.13	637,308.68
315100	915108	5,049.46	7,030.46	12,079.92	0.000373%			0.000000%			0.000000%		5,049.46	7,030.46	12,079.92
315300	315300	167,209.92	234,094.25	401,304.17	0.012380%	1,178.19	1,649.49	0.002755%	6,602.20	6,602.26	0.011550%	2,640.89	174,990.31	244,986.89	419,977.20
315300	315308	600,793.95	841,110.17	1,441,904.12	0.044481%	26,062.69	36,487.66	0.060938%	63,593.88	63,593.79	0.111248%	25,437.48	690,450.52	966,629.10	1,657,079.62
315400	315408	447,534.19	626,548.38	1,074,082.57	0.033134%	2,754.68	3,856.56	0.006441%	11,664.91	11,664.93	0.020406%	4,665.99	461,953.78	646,735.86	1,108,689.64
316100	316100	404,257.39	565,960.02	970,217.41	0.029930%	8,505.46	11,907.66	0.019887%	420.00	420.00	0.000735%	168.00	413,182.85	578,455.68	991,638.53
317100	317100	822,818.44	1,151,943.10	1,974,761.54	0.060919%	19,681.52	27,554.21	0.046018%	35,877.12	35,876.92	0.062761%	14,350.87	878,377.08	1,229,725.10	2,108,102.18
317300	317300	155,069.36	217,096.11	372,165.47	0.011481%	12,863.62	18,009.00	0.030077%	804.15	803.94	0.001406%	321.67	168,737.13	236,230.72	404,967.85
317500	317500				0.000000%			0.000000%			0.000000%				
317500	317508	1,913,644.45	2,679,246.34	4,592,890.79	0.141685%	79,754.93	111,657.15	0.186478%	110,783.98	110,783.93	0.193800%	44,163.25	2,104,183.36	2,945,850.67	5,050,034.03
317800	317800	2,824.86	3,955.34	6,780.20	0.000209%			0.000000%			0.000000%		2,824.86	3,955.34	6,780.20
317800	317808	163,859.87	229,403.41	393,263.28	0.012132%	2,676.72	3,747.39	0.006258%	65.08	65.08	0.000114%	26.02	166,601.67	233,241.90	399,843.57
318100	318108	1,478,994.64	2,070,779.44	3,549,774.08	0.109506%	36,961.24	51,554.65	0.086101%	61,770.92	61,770.95	0.108059%	24,708.10	1,577,726.80	2,208,813.14	3,786,539.94
318300	318308	1,441,372.73	2,017,912.51	3,459,285.24	0.106715%	40,211.50	56,295.72	0.094019%	54,899.37	54,899.52	0.096039%	21,959.80	1,536,483.60	2,151,067.55	3,687,551.15
318500	318508	1,377,756.16	1,928,856.86	3,306,613.02	0.102005%	48,875.68	68,426.09	0.114278%	48,754.23	48,754.22	0.085288%	19,501.80	1,475,386.07	2,065,538.97	3,540,925.04
318600	318600	24,138.60	33,794.06	57,932.66	0.001787%	2,297.61	3,216.65	0.005372%			0.000000%		26,436.21	37,010.71	63,446.92
318700	318700	50,409.95	70,573.63	120,983.58	0.003732%			0.000000%			0.000000%		50,409.95	70,573.63	120,983.58
318700	318708	36,030.52	50,426.08	86,456.60	0.002667%			0.000000%			0.000000%	16.64	36,030.52	50,442.72	86,473.24
318800	318808	587,061.11	821,886.23	1,408,947.34	0.043464%	34,000.99	47,601.15	0.079498%	7,576.70	7,576.70	0.013254%	3,030.67	628,638.80	880,094.75	1,508,733.55
318900	318900	190,611.62	266,856.75	457,468.37	0.014112%	4,454.00	6,235.61	0.010414%			0.000000%		195,065.62	273,092.36	468,157.98
319000	319000	240,196.00	336,273.40	576,469.40	0.017783%	6,134.83	8,588.68	0.014344%	12,762.03	12,762.04	0.022325%	5,104.79	259,092.86	362,728.91	621,821.77
319100	319108	1,475,592.84	2,065,926.56	3,541,519.40	0.109251%	23,268.32	32,488.54	0.054259%	50,876.96	50,876.98	0.089002%	20,337.35	1,549,738.12	2,169,629.43	3,719,367.55
319200	319208	161,900.27	226,660.08	388,560.35	0.011987%	11,171.49	15,640.09	0.026120%	11,825.37	11,825.39	0.020687%	4,730.15	184,897.13	258,855.71	443,752.84
319300	319308	445,681.63	623,952.31	1,069,633.94	0.032997%	400.41	560.52	0.000936%	6,659.90	6,660.12	0.011651%	2,663.82	452,741.94	633,836.77	1,086,578.71
319400	319408	152,542.07	213,558.98	366,101.05	0.011294%	15,674.18	21,943.81	0.036648%	10,725.89	10,726.28	0.018764%	4,289.96	178,942.14	250,519.03	429,461.17
319800	319808	834,638.47	1,168,490.83	2,003,129.30	0.061794%	41,688.32	58,363.73	0.097473%	50,655.10	50,655.16	0.088614%	20,261.84	926,981.89	1,297,771.56	2,224,753.45
319900	319908	344,978.17	482,968.39	827,946.56	0.025541%			0.000000%	6,746.25	6,746.25	0.011802%	2,698.47	351,724.42	492,413.11	844,137.53
320000	320008	77,857.63	109,000.59	186,858.22	0.005764%			0.000000%	4,150.53	4,150.49	0.007261%	1,660.25	82,008.16	114,811.33	196,819.49
320100	320100	77,631.57	108,684.21	186,315.78	0.005748%			0.000000%	2,079.48	2,079.49	0.003638%	831.79	79,711.05	111,595.49	191,306.54
320100	320108	1,227,908.65	1,719,068.02	2,946,976.67	0.090910%	13,704.19	19,185.85	0.032042%	15,765.65	15,765.75	0.027580%	6,310.65	1,257,378.49	1,760,330.27	3,017,708.76
320300	320308	205,978.60	288,371.87	494,350.47	0.015250%	9,099.92	12,739.94	0.021277%	4,216.19	4,216.18	0.007376%	1,684.46	219,294.71	307,012.45	526,307.16
320500	320500	223,476.58	312,867.12	536,343.70	0.016546%			0.000000%			0.000000%		223,476.58	312,867.12	536,343.70
320500	320508	327,288.59	458,203.48	785,492.07	0.024231%	11,742.45	16,439.45	0.027455%	8,583.09	8,583.04	0.015015%	3,433.23	347,614.13	486,659.20	834,273.33
320500	660508	35,008.49	49,011.77	84,020.26	0.002592%			0.000000%			0.000000%		35,008.49	49,011.77	84,020.26
320700	320700	723,691.94	1,013,166.98	1,736,858.92	0.053580%	14,512.21	20,317.15	0.033931%	13,356.91	13,357.03	0.023366%	5,342.62	751,561.06	1,052,183.78	1,803,744.84
320700	320708	29,373.12	41,122.38	70,495.50	0.002175%			0.000000%	438.00	438.12	0.000766%	175.08	29,811.12	41,735.58	71,546.70
320900	320900	72,390.32	101,346.09	173,736.41	0.005360%			0.000000%	2,420.04	2,419.92	0.004233%	968.04	74,810.36	104,734.05	179,544.41
320900	320908	181,793.52	254,510.87	436,304.39	0.013459%	3,824.84	5,354.74	0.008943%			0.000000%		185,618.36	259,865.61	445,483.97
321000	321000				0.000000%			0.000000%			0.000000%				
321000	321008	101,141.16	141,596.59	242,737.75	0.007488%			0.000000%	8,193.09	8,193.08	0.014333%	3,277.14	109,334.25	153,066.81	262,401.06
321100	321108	783,177.88	1,096,448.06	1,879,625.94	0.057984%	5,486.75	7,681.51	0.012829%	31,666.05	31,666.16	0.055395%	12,666.40	820,330.68	1,148,462.13	1,968,792.81
321200	321200	53,893.93	75,450.84	129,344.77	0.003990%			0.000000%	640.50	640.51	0.001120%	256.19	54,534.43	76,347.54	130,881.97
321200	321208	693,324.02	970,651.68	1,663,975.70	0.051332%	76,482.36	107,075.16	0.178825%	13,034.17	13,034.17	0.022801%	5,213.67	782,840.55	1,095,974.68	1,878,815.23
321300	321308	487,604.41	682,622.13	1,170,226.54	0.036100%	564.58	790.41	0.001320%	365.62	365.74	0.000640%	167.70	488,534.61	683,945.98	1,172,480.59
321400	321408	883,855.40	1,237,089.56	2,120,944.96	0.065428%	20,644.80	28,891.55	0.048251%	13,128.01	13,127.37	0.022964%	5,565.76	917,628.21	1,284,674.24	2,202,302.45
321500	321508	690,415.80	966,580.38	1,656,996.18	0.051116%	20,565.32	28,791.46	0.048084%	3,207.06	3,207.05	0.005610%	1,282.75	714,188.18	999,861.64	1,714,049.82
321600	321600	38,755.61	54,257.72	93,013.33	0.002869%			0.000000%			0.000000%	0.09	38,755.61	54,257.81	93,013.42

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
321600	321608	1,365,789.38	1,911,969.39	3,277,758.77	0.101115%	20,096.06	28,131.64	0.046982%	53,896.14	53,895.96	0.094283%	21,692.50	1,439,781.58	2,015,689.49	3,455,471.07
321700	321708	1,075,231.95	1,505,323.65	2,580,555.60	0.079607%	58,554.68	81,976.63	0.136908%	71,775.01	71,774.92	0.125560%	28,711.05	1,205,561.64	1,687,786.25	2,893,347.89
321700	661708	25,603.46	35,844.91	61,448.37	0.001896%			0.000000%	7,940.97	7,940.99	0.013892%	3,176.40	33,544.43	46,962.30	80,506.73
321800	321808	731,566.69	1,024,234.42	1,755,801.11	0.054164%	4,615.74	6,461.97	0.010792%	5,751.71	5,751.58	0.010062%	2,257.01	741,934.14	1,038,704.98	1,780,639.12
321900	321900	72,397.96	101,356.87	173,754.83	0.005360%			0.000000%			0.000000%		72,397.96	101,356.87	173,754.83
322000	322008	76,742.92	107,440.12	184,183.04	0.005682%	354.36	496.09	0.000829%	409.68	409.80	0.000717%	163.80	77,506.96	108,509.81	186,016.77
322100	322108	444,913.98	622,878.39	1,067,792.37	0.032940%	38,816.69	54,343.44	0.090758%	19,936.94	19,936.92	0.034877%	7,974.75	503,667.61	705,133.50	1,208,801.11
322200	322208	243,296.51	340,614.77	583,911.28	0.018013%	7,214.10	10,099.70	0.016867%	2,381.53	2,381.55	0.004166%	952.64	252,892.14	354,048.66	606,940.80
322300	322308	364,455.41	510,238.19	874,693.60	0.026983%	5,421.04	7,589.45	0.012675%			0.000000%	0.01	369,876.45	517,827.65	887,704.10
322800	322808	469,466.61	657,251.74	1,126,718.35	0.034758%	18,130.68	25,382.90	0.042392%	4,505.47	4,505.44	0.007882%	1,802.18	492,102.76	688,942.26	1,181,045.02
323100	323100	71,191.15	98,804.83	169,995.98	0.005244%			0.000000%			0.000000%	862.82	71,191.15	99,667.65	170,858.80
323100	323108	14,675.12	20,355.10	35,030.22	0.001081%			0.000000%			0.000000%	189.95	14,675.12	20,545.05	35,220.17
323300	323308	937,485.14	1,312,479.26	2,249,964.40	0.069409%	24,217.92	33,905.22	0.056625%	58,789.02	58,789.26	0.102843%	23,516.66	1,020,492.08	1,428,690.40	2,449,182.48
323400	323408	91,775.75	128,485.93	220,261.68	0.006795%			0.000000%	2,728.10	2,728.12	0.004772%	1,091.27	94,503.85	132,305.32	226,809.17
323500	323500	16,010.04	22,414.29	38,424.33	0.001185%			0.000000%	493.52	493.52	0.000863%	197.44	16,503.56	23,105.25	39,608.81
323500	323508	37,698.21	52,805.41	90,503.62	0.002792%			0.000000%	3,150.30	3,150.29	0.005511%	1,232.11	40,848.51	57,187.81	98,036.32
323600	323608	180,094.91	252,132.43	432,227.34	0.013334%			0.000000%	8,727.84	8,727.84	0.015268%	3,491.12	188,822.75	264,351.39	453,174.14
323700	323708	517,342.92	724,279.76	1,241,622.68	0.038302%	3,335.70	4,669.97	0.007799%	11,566.65	11,566.64	0.020234%	4,626.63	532,245.27	745,143.00	1,277,388.27
323800	323800	(12.00)	(16.80)	(28.80)	-0.000001%			0.000000%			0.000000%		(12.00)	(16.80)	(28.80)
323800	323808	364,733.58	510,626.12	875,359.70	0.027004%	23,802.20	33,323.17	0.055653%	12,489.48	12,489.48	0.021849%	4,995.77	401,025.26	561,434.54	962,459.80
323900	323900	419,559.10	587,382.07	1,006,941.17	0.031063%	8,412.82	11,777.87	0.019670%	11,487.03	11,487.11	0.020095%	4,594.72	439,458.95	615,241.77	1,054,700.72
323900	323908	114,509.03	160,312.65	274,821.68	0.008478%			0.000000%	3,735.61	3,735.69	0.006535%	1,494.13	118,244.64	165,542.47	283,787.11
324000	324000	29,452.92	41,233.84	70,686.76	0.002181%	2,915.71	4,082.03	0.006817%			0.000000%		32,368.63	45,315.87	77,684.50
324000	324008	33,189.96	46,465.75	79,655.71	0.002457%			0.000000%			0.000000%		33,189.96	46,465.75	79,655.71
324100	324100	74,118.42	103,764.07	177,882.49	0.005487%	4,442.70	6,219.70	0.010387%	663.72	663.71	0.001161%	265.50	79,224.84	110,912.98	190,137.82
324100	324108	369,683.38	517,556.43	887,239.81	0.027370%	17,494.32	24,492.04	0.040904%	16,880.33	16,880.33	0.029530%	6,752.17	404,058.03	565,680.97	969,739.00
324200	324208	855,436.95	1,197,612.64	2,053,049.59	0.063334%	39,979.59	55,971.26	0.093477%	30,177.15	30,177.33	0.052791%	12,070.66	925,593.69	1,295,831.89	2,221,425.58
324300	324308	306,225.58	428,714.63	734,940.21	0.022672%			0.000000%	13,348.34	13,348.21	0.023351%	5,339.34	319,573.92	447,402.18	766,976.10
324400	324408	661,012.37	925,194.09	1,586,206.46	0.048932%	21,155.98	29,608.96	0.049450%	17,239.75	17,239.82	0.030159%	7,130.10	699,408.10	979,172.97	1,678,581.07
324500	324500	20.04	28.05	48.09	0.000001%			0.000000%			0.000000%		20.04	28.05	48.09
324500	324508	590,734.95	827,004.65	1,417,739.60	0.043735%	33,367.95	46,715.01	0.078018%	8,579.85	8,579.76	0.015009%	3,455.00	632,682.75	885,754.42	1,518,437.17
324600	324608	115,640.00	161,895.55	277,535.55	0.008562%			0.000000%	21,028.73	21,028.71	0.036787%	8,411.52	136,668.73	191,335.78	328,004.51
325100	325100	12,475.56	17,465.89	29,941.45	0.000924%			0.000000%	886.86	886.85	0.001551%	354.74	13,362.42	18,707.48	32,069.90
325100	325108	375,924.60	526,294.49	902,219.09	0.027832%	17,918.83	25,086.38	0.041897%	3,580.20	3,580.40	0.006263%	1,432.16	397,423.63	556,393.43	953,817.06
325300	325308	571,844.67	800,580.46	1,372,425.13	0.042338%	21,084.21	29,517.97	0.049298%	14,170.51	14,170.37	0.024789%	5,668.16	607,099.39	849,936.96	1,457,036.35
325400	325408	153,394.56	214,752.32	368,146.88	0.011357%	166.50	233.10	0.000389%			0.000000%	0.10	153,561.06	214,985.52	368,546.58
325500	325500	27,912.21	39,077.28	66,989.49	0.002067%			0.000000%	362.47	362.47	0.000634%	145.06	28,274.68	39,584.81	67,859.49
325500	325508	654,397.76	916,156.44	1,570,554.20	0.048450%	36,261.97	50,766.70	0.084785%	45,105.22	45,104.99	0.078905%	18,042.15	735,764.95	1,030,070.28	1,765,835.23
325700	325700	50,487.64	70,665.57	121,153.21	0.003737%			0.000000%	84.93	84.94	0.000149%	50.25	50,572.57	70,800.76	121,373.33
325700	325708	862,815.15	1,207,921.06	2,070,736.21	0.063880%	10,102.67	14,143.53	0.023621%	45,590.84	45,590.83	0.079754%	18,257.11	918,508.66	1,285,912.53	2,204,421.19
325800	325800	41,395.24	57,952.77	99,348.01	0.003065%			0.000000%			0.000000%		41,395.24	57,952.77	99,348.01
325800	325808	457,056.05	639,877.99	1,096,934.04	0.033839%	15,024.58	21,034.42	0.035129%	26,878.01	26,878.05	0.047019%	10,751.21	498,958.64	698,541.67	1,197,500.31
326000	326008	192,258.05	269,161.16	461,419.21	0.014234%			0.000000%	819.96	820.08	0.001435%	327.96	193,078.01	270,309.20	463,387.21
326100	326100	57,502.91	80,503.46	138,006.37	0.004257%			0.000000%	436.17	436.15	0.000763%	174.47	57,939.08	81,114.08	139,053.16
326100	326108	932,618.25	1,305,664.14	2,238,282.39	0.069048%	32,536.90	45,551.72	0.076075%	22,282.55	22,282.73	0.038980%	8,912.67	987,437.70	1,382,411.26	2,369,848.96
326100	980818	7,845.95	10,924.00	18,769.95	0.000579%			0.000000%			0.000000%		7,845.95	10,924.00	18,769.95
326200	326208	639,603.22	895,443.52	1,535,046.74	0.047354%	42,158.15	59,021.23	0.098571%	44,733.83	44,733.90	0.078255%	17,893.35	726,495.20	1,017,092.00	1,743,587.20
326300	326308	1,856,822.92	2,599,542.39	4,456,365.31	0.137473%	33,894.84	47,452.33	0.079250%	27,249.23	27,249.01	0.047668%	10,899.53	1,917,966.99	2,685,143.26	4,603,110.25
326400	326400	45,334.48	63,466.83	108,801.31	0.003356%			0.000000%	3,784.40	3,784.42	0.006620%	1,513.61	49,118.88	68,764.86	117,883.74
326400	326408	248,214.61	347,500.27	595,714.88	0.018377%			0.000000%			0.000000%		248,214.61	347,500.27	595,714.88
326500	326500	836,643.05	1,171,298.35	2,007,941.40	0.061942%	12,237.04	17,131.96	0.028612%	22,837.77	22,837.72	0.039951%	9,135.05	871,717.86	1,220,403.08	2,092,120.94
326600	326600	18,982.74	26,576.34	45,559.08	0.001405%	404.27	565.96	0.000945%	318.16	318.17	0.000557%	127.25	19,705.17	27,587.72	47,292.89
326600	326608	180,990.63	253,386.47	434,377.10	0.013400%	4,481.90	6,274.68	0.010479%	6,950.06	6,949.94	0.012158%	2,780.04	192,422.59	269,391.13	461,813.72
326700	326700	19,426.95	27,190.83	46,617.78	0.001438%			0.000000%			0.000000%	7.03	19,426.95	27,197.86	46,624.81
326700	326708	602,146.58	842,887.70	1,445,034.28	0.044577%			0.000000%	7,561.17	7,561.20	0.013227%	3,140.66	609,707.75	853,589.56	1,463,297.31
326700	666708	135,990.77	189,337.43	325,328.20	0.010036%	6,064.54	8,440.10	0.014096%			0.000000%	1,098.51	142,055.31	198,876.04	340,931.35
327100	327108	401,701.91	562,379.86	964,081.77	0.029741%	184.80	258.72	0.000432%	20,128.56	20,128.65	0.035212%	8,051.20	422,015.27	590,818.43	1,012,833.70
327300	327308	166,027.82	232,438.85	398,466.67	0.012292%	5,059.12	7,082.77	0.011829%	11,736.54	11,736.56	0.020531%	4,694.60	182,823.48	255,952.78	438,776.26
327400	327408	453,978.41	635,567.30	1,089,545.71	0.033611%	5,012.34	7,017.28	0.011719%	32,659.84	32,659.57	0.057133%	13,066.10	491,650.59	688,310.25	1,179,960.84
327500	327508	951,389.82	1,331,942.87	2,283,332.69	0.070438%	19,472.81	27,261.93	0.045530%	13,028.21	13,028.06	0.022791%	5,211.17	983,890.84	1,377,444.03	2,361,334.87
327600	327608	169,332.09	237,064.55	406,396.64	0.012537%	1,648.40	2,307.76	0.003854%	2,596.14	2,596.09	0.004541%	1,038.13	173,576.63	243,006.53	416,583.16
327700	327700	55,143.96	77,200.64	132,344.60	0.004083%			0.000000%	2,006.54	2,006.59	0.003510%	802.65	57,150.50	80,009.88	137,160.38
327700	327708	132,443.51	185,420.45	317,863.96	0.009806%	4,037.66	5,652.62	0.009440%			0.000000%		136,481.17	191,073.07	327,554.24

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
327800	327808	101,451.44	142,032.05	243,483.49	0.007511%			0.000000%	415.80	415.80	0.000727%	166.32	101,867.24	142,614.17	244,481.41
328100	328100	38,730.85	54,222.59	92,953.44	0.002867%	1,719.48	2,407.32	0.004020%	71.39	71.38	0.000125%	28.56	40,521.72	56,729.85	97,251.57
328100	328108	144,806.77	202,729.23	347,536.00	0.010721%			0.000000%	7,170.28	7,170.28	0.012543%	2,868.06	151,977.05	212,767.57	364,744.62
328200	328208	538,045.66	749,800.49	1,287,846.15	0.039728%	5,240.82	7,270.02	0.012142%	35,235.19	35,235.11	0.061639%	17,623.86	578,521.67	809,929.48	1,388,451.15
328300	328308	352,495.08	493,489.31	845,984.39	0.026098%	9,540.06	13,356.07	0.022306%	2,011.33	2,011.31	0.003518%	804.55	364,046.47	509,661.24	873,707.71
328400	328408	284,158.87	397,820.15	681,979.02	0.021038%	28.13	39.36	0.000066%	8,617.30	8,617.45	0.015075%	3,446.67	292,804.30	409,923.63	702,727.93
328500	328508	288,886.10	404,439.61	693,325.71	0.021388%	14,762.26	20,667.12	0.034516%	4,015.54	4,015.54	0.007025%	1,606.22	307,663.90	430,728.49	738,392.39
328600	328608	364,332.17	510,063.83	874,396.00	0.026974%	16,166.82	22,633.44	0.037800%	29,200.97	29,200.83	0.051083%	11,680.30	409,699.96	573,578.40	983,278.36
328700	328700	61,488.35	86,083.95	147,572.30	0.004552%			0.000000%	102.88	102.89	0.000180%	41.13	61,591.23	86,227.97	147,819.20
328700	328708	801,007.35	1,121,407.81	1,922,415.16	0.059304%	30,196.02	42,274.26	0.070602%	9,543.28	9,543.26	0.016695%	3,817.36	840,746.65	1,177,042.69	2,017,789.34
328800	328800	36,760.78	51,464.85	88,225.63	0.002722%			0.000000%			0.000000%		36,760.78	51,464.85	88,225.63
328800	328808	277,407.41	388,369.25	665,776.66	0.020538%	5,832.83	8,165.86	0.013638%	21,059.07	21,059.05	0.036840%	8,423.56	304,299.31	426,017.72	730,317.03
328900	328908	263,469.46	368,857.38	632,326.84	0.019506%	15,265.37	21,371.40	0.035692%	10,755.74	10,755.83	0.018816%	4,302.16	289,490.57	405,286.77	694,777.34
329000	329008	150,152.41	210,213.27	360,365.68	0.011117%			0.000000%			0.000000%		150,152.41	210,213.27	360,365.68
329100	329108	1,239,592.93	1,735,710.11	2,975,303.04	0.091784%	23,815.48	32,779.46	0.054745%	35,476.48	35,476.43	0.062061%	14,468.96	1,298,884.89	1,818,434.96	3,117,319.85
329300	329308	706,681.61	989,354.39	1,696,036.00	0.052321%	22,165.11	31,031.07	0.051825%	24,122.97	24,123.01	0.042200%	9,649.15	752,969.69	1,054,157.62	1,807,127.31
329400	329408	330,437.00	462,600.46	793,037.46	0.024464%	9,127.41	12,778.42	0.021341%	6,756.30	6,756.38	0.011819%	2,712.38	346,320.71	484,847.64	831,168.35
329500	329508	1,640,867.66	2,297,210.30	3,938,077.96	0.121485%	45,512.71	63,717.62	0.106414%	24,492.69	24,492.75	0.042846%	9,799.23	1,710,873.06	2,395,219.90	4,106,092.96
329700	329708	494,324.28	692,049.38	1,186,373.66	0.036598%	9,470.46	13,258.66	0.022143%	13,542.10	13,542.05	0.023690%	5,421.69	517,336.84	724,271.78	1,241,608.62
329800	329808	57,852.06	80,992.89	138,844.95	0.004283%			0.000000%			0.000000%		57,852.06	80,992.89	138,844.95
329900	329900	214,532.98	300,374.04	514,907.02	0.015884%			0.000000%	1,397.97	1,397.93	0.002445%	531.51	215,930.95	302,303.48	518,234.43
330000	330008	443,450.15	620,828.56	1,064,278.71	0.032832%	646.50	905.06	0.001512%	13,226.04	13,225.86	0.023137%	5,290.40	457,322.69	640,249.88	1,097,572.57
330100	330108	307,281.83	430,194.54	737,476.37	0.022750%	15,241.96	21,338.88	0.035638%	9,137.11	9,137.29	0.015984%	3,654.73	331,660.90	464,325.44	795,986.34
330200	330208	1,202,785.40	1,683,910.90	2,886,696.30	0.089051%	41,294.16	57,801.61	0.096534%	46,368.44	46,368.18	0.081114%	18,536.72	1,290,448.00	1,806,617.41	3,097,065.41
330300	330308	956,705.43	1,339,380.67	2,296,086.10	0.070831%	17,854.28	24,995.93	0.041745%	8,098.46	8,098.55	0.014167%	3,242.58	982,658.17	1,375,717.73	2,358,375.90
330400	330408	1,270,051.54	1,778,068.37	3,048,119.91	0.094031%	28,293.37	39,610.71	0.066153%	17,746.10	17,745.91	0.031044%	7,098.23	1,316,091.01	1,842,523.22	3,158,614.23
330500	330500	121,673.57	170,342.55	292,016.12	0.009008%	3,259.47	4,563.25	0.007621%	8,618.09	8,618.09	0.015076%	3,447.18	133,551.13	186,971.07	320,522.20
330600	330608	864,153.61	1,209,793.78	2,073,947.39	0.063979%	28,185.08	39,459.28	0.065901%	14,619.59	14,619.55	0.025575%	5,869.76	906,958.28	1,269,742.37	2,176,700.65
330700	330708	640,465.86	896,648.83	1,537,114.69	0.047418%	29,010.60	40,614.71	0.067830%	31,691.83	31,691.71	0.055440%	12,676.56	701,168.29	981,631.81	1,682,800.10
330800	330808	549,628.49	769,503.03	1,319,131.52	0.040694%	25,472.10	35,661.09	0.059557%	21,416.83	21,416.79	0.037466%	8,543.39	596,517.42	835,124.30	1,431,641.72
330900	330908	409,836.77	573,791.20	983,627.97	0.030344%			0.000000%	689.38	689.39	0.001206%	255.74	410,526.15	574,736.33	985,262.48
331000	331008	2,037,142.07	2,852,011.19	4,889,153.26	0.150824%	71,116.89	99,563.59	0.166280%	73,147.21	73,146.94	0.127960%	29,242.59	2,181,406.17	3,053,964.31	5,235,370.48
331100	331100	26,524.33	37,133.93	63,658.26	0.001964%	204.65	286.50	0.000478%			0.000000%		26,728.98	37,420.43	64,149.41
331100	331108	12,011.45	16,815.99	28,827.44	0.000889%	4,881.16	6,833.60	0.011413%			0.000000%		16,892.61	23,649.59	40,542.20
331200	331208	251,431.65	352,004.12	603,435.77	0.018615%	5,163.67	7,229.14	0.012073%	2,691.95	2,691.96	0.004709%	1,076.95	259,287.27	363,002.17	622,289.44
331300	331308	860,849.64	1,205,153.04	2,066,002.68	0.063734%	5,838.51	8,173.93	0.013651%	42,730.35	42,730.34	0.074750%	17,125.95	909,418.50	1,273,183.26	2,182,601.76
331400	331408	211,358.17	295,901.32	507,259.49	0.015648%	4,472.06	6,260.86	0.010456%	4,490.61	4,490.62	0.007856%	1,796.23	220,320.84	308,449.03	528,769.87
331500	331500	275,398.49	385,557.23	660,955.72	0.020390%	4,819.08	6,746.74	0.011268%	10,751.76	10,751.74	0.018809%	4,300.68	290,969.33	407,356.39	698,325.72
331600	331608	361,726.16	506,415.58	868,141.74	0.026781%	13,479.00	18,870.61	0.031516%	4,670.45	4,670.42	0.008170%	1,868.14	379,875.61	531,824.75	911,700.36
331700	331708	200,119.94	280,169.88	480,289.82	0.014816%			0.000000%	4,710.73	4,710.71	0.008241%	1,884.25	204,830.67	286,764.84	491,595.51
331800	331800	43,804.36	61,326.24	105,130.60	0.003243%			0.000000%			0.000000%		43,804.36	61,326.24	105,130.60
331900	331900	27,301.61	38,222.18	65,523.79	0.002021%	2,134.07	2,987.75	0.004990%	281.64	281.52	0.000492%	112.68	29,717.32	41,604.13	71,321.45
331900	331908	216,672.00	303,339.94	520,011.94	0.016042%			0.000000%			0.000000%		216,672.00	303,339.94	520,011.94
332100	332108	249,426.93	349,196.77	598,623.70	0.018467%	17,982.94	25,176.23	0.042047%	11,134.60	11,134.37	0.019478%	4,453.60	278,544.47	389,960.97	668,505.44
332200	332200	134,594.98	188,427.73	323,022.71	0.009965%	936.20	1,310.66	0.002189%	3,120.34	3,120.29	0.005458%	1,248.06	138,651.52	194,106.74	332,758.26
332200	332208	545,263.93	763,369.13	1,308,633.06	0.040370%	15,674.57	21,944.39	0.036649%	5,512.00	5,512.00	0.009642%	2,204.80	566,450.50	793,030.32	1,359,480.82
332300	332300	37,279.83	52,192.72	89,472.55	0.002760%			0.000000%	1,410.90	1,410.91	0.002468%	564.38	38,690.73	54,168.01	92,858.74
332300	332308	493,874.64	691,429.73	1,185,304.37	0.036565%	41,775.25	58,485.84	0.097677%	36,057.30	36,057.73	0.063078%	14,422.93	571,707.19	800,396.23	1,372,103.42
332400	332408	4,458,801.11	6,242,344.47	10,701,145.58	0.330117%	242,826.59	339,918.17	0.567694%	268,915.13	268,914.70	0.470427%	107,565.93	4,970,542.83	6,958,743.27	11,929,286.10
332400	332410	7,293.96	10,211.53	17,505.49	0.000540%			0.000000%			0.000000%		7,293.96	10,211.53	17,505.49
332500	332508	304,183.55	425,777.19	729,960.74	0.022518%	7,160.08	10,024.11	0.016741%	1,048.53	1,048.59	0.001834%	500.24	312,392.16	437,350.13	749,742.29
333100	333108	985,048.48	1,379,064.35	2,364,112.83	0.072930%	40,456.30	56,638.84	0.094592%	22,924.21	22,924.32	0.040103%	9,170.40	1,048,428.99	1,467,797.91	2,516,226.90
333300	333300	292,703.41	409,783.85	702,487.26	0.021671%	14,490.39	20,286.48	0.033880%	23.32	23.31	0.000041%	9.33	307,217.12	430,102.97	737,320.09
333500	333508	1,230,692.48	1,723,056.83	2,953,749.31	0.091119%	31,094.99	43,532.91	0.072704%	13,719.85	13,719.91	0.024001%	5,400.58	1,275,507.32	1,785,710.23	3,061,217.55
333600	333600	61,791.53	86,507.60	148,299.13	0.004575%	2,686.75	3,761.42	0.006282%	2,738.22	2,738.18	0.004790%	1,095.26	67,216.50	94,102.46	161,318.96
333600	333608	231,575.53	324,205.71	555,781.24	0.017145%			0.000000%	5,049.98	5,049.86	0.008834%	2,020.06	236,625.51	331,275.63	567,901.14
333700	333708	378,559.83	529,983.20	908,543.03	0.028027%	748.00	1,047.20	0.001749%	5,528.00	5,527.97	0.009670%	2,211.19	384,835.83	538,769.56	923,605.39
333800	333800	118,884.57	166,437.94	285,322.51	0.008802%			0.000000%	3,996.33	3,996.35	0.006991%	1,598.53	122,880.90	172,032.82	294,913.72
333900	333900	28,723.02	40,212.96	68,935.98	0.002127%	5,527.22	7,737.71	0.012923%	805.18	805.21	0.001409%	322.11	35,055.42	49,077.99	84,133.41
333900	333908	116,397.82	162,956.00	279,353.82	0.008618%			0.000000%	4,656.93	4,656.87	0.008147%	1,862.77	121,054.75	169,475.64	290,530.39
334000	334008	272,431.95	381,403.83	653,835.78	0.020170%	5,217.28	7,304.23	0.012199%	272.69	272.68	0.000477%	109.08	277,921.92	389,089.82	667,011.74
334100	334100	32,073.08	44,901.76	76,974.84	0.002375%			0.000000%			0.000000%		32,073.08	44,901.76	76,974.84
334200	334208	262,350.24	367,286.55	629,636.79	0.019423%	30,816.10	43,142.54	0.072052%	4,671.42	4,671.30	0.008172%	1,868.57	297,837.76	416,968.96	714,806.72

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
334300	334300	558,385.36	781,737.27	1,340,122.63	0.041341%	16,528.45	23,139.72	0.038645%	6,123.06	6,123.07	0.010711%	2,449.23	581,036.87	813,449.29	1,394,486.16
334400	334400	100,442.15	140,616.94	241,059.09	0.007436%	570.52	798.61	0.001334%	773.28	773.29	0.001353%	309.31	101,785.95	142,498.15	244,284.10
334400	334408	769,463.80	1,077,248.68	1,846,712.48	0.056969%	19,629.49	27,481.37	0.045896%	27,993.21	27,993.28	0.048970%	11,197.19	817,086.50	1,143,920.52	1,961,007.02
334600	334608	1,058,800.43	1,482,316.15	2,541,116.58	0.078390%	24,190.84	33,867.14	0.056561%	24,239.65	24,239.54	0.042404%	9,694.34	1,107,230.92	1,550,117.17	2,657,348.09
334700	334700	58,227.33	81,516.89	139,744.22	0.004311%	941.40	1,317.96	0.002201%	3,535.31	3,535.29	0.006184%	1,414.07	62,704.04	87,784.21	150,488.25
334700	334708	170,102.88	238,223.91	408,326.79	0.012596%	25,250.46	35,350.69	0.059039%	14,437.37	14,437.35	0.025256%	5,694.98	209,790.71	293,706.93	503,497.64
334800	334800	238,477.87	333,868.59	572,346.46	0.017656%			0.000000%	6,532.28	6,532.31	0.011427%	2,612.96	245,010.15	343,013.86	588,024.01
334800	334808	241,920.63	338,689.25	580,609.88	0.017911%			0.000000%	9,618.28	9,618.32	0.016826%	3,847.26	251,538.91	352,154.83	603,693.74
334900	334908	709,300.81	993,010.97	1,702,311.78	0.052514%	26,261.33	36,765.48	0.061402%	34,879.69	34,879.70	0.061017%	13,956.09	770,441.83	1,078,612.24	1,849,054.07
335000	335000	12,253.58	17,154.71	29,408.29	0.000907%	1,387.46	1,942.54	0.003244%	643.68	643.68	0.001126%	257.41	14,284.72	19,998.34	34,283.06
335000	335008	127,803.99	178,848.15	306,652.14	0.009460%			0.000000%	4,242.19	4,242.22	0.007421%	1,774.04	132,046.18	184,864.41	316,910.59
335100	335100	38,243.57	53,541.12	91,784.69	0.002831%			0.000000%	170.25	170.24	0.000298%	68.10	38,413.82	53,779.46	92,193.28
335100	335108	705,717.70	988,004.74	1,693,722.44	0.052249%	22,101.20	30,941.72	0.051675%	41,938.48	41,938.49	0.073365%	16,775.51	769,757.38	1,077,660.46	1,847,417.84
335300	335308	217,522.12	304,530.12	522,052.24	0.016105%	9,485.26	13,279.41	0.022178%	6,929.10	6,928.97	0.012121%	2,771.71	233,936.48	327,510.21	561,446.69
336100	336108	2,256,774.76	3,159,542.93	5,416,317.69	0.167087%	31,394.72	43,952.51	0.073405%	29,581.36	29,581.44	0.051748%	11,767.20	2,317,750.84	3,244,844.08	5,562,594.92
337100	337100	882,899.28	1,236,057.83	2,118,957.11	0.065367%	5,274.11	7,383.73	0.012331%	34,484.39	34,484.30	0.060325%	13,793.90	922,657.78	1,291,719.76	2,214,377.54
340000	340000				0.000000%			0.000000%			0.000000%		(0.00)		
340000	340008	27,144,130.43	37,969,885.66	65,114,016.09	2.008685%	827,225.56	1,157,335.34	1.932855%	827,367.67	826,943.53	1.446616%	365,906.48	28,798,723.66	40,320,071.01	69,118,794.67
350000	350000				0.000000%			0.000000%			0.000000%				
350000	350008	12,135,603.22	16,989,116.60	29,124,719.82	0.898461%	205,884.85	288,178.26	0.481284%	252,743.95	252,743.83	0.442138%	101,866.73	12,594,232.02	17,631,905.42	30,226,137.44
350000	959208	1,104,225.64	1,537,418.46	2,641,644.10	0.081491%			0.000000%			0.000000%	(0.02)	1,104,225.64	1,537,418.44	2,641,644.08
360000	360008	7,288,455.30	10,203,873.03	17,492,328.33	0.539616%	227,819.86	318,846.26	0.532502%	294,364.55	294,366.78	0.514951%	117,810.43	7,810,639.71	10,934,896.50	18,745,536.21
370100	370100	322,082.52	450,909.32	772,991.84	0.023846%	10,605.03	14,846.99	0.024796%	14,954.26	14,954.15	0.026160%	5,981.72	347,641.81	486,692.18	834,333.99
370100	370108	1,015,368.33	1,421,508.91	2,436,877.24	0.075175%	42,294.28	59,211.38	0.098888%	50,856.59	50,856.29	0.088966%	20,342.26	1,108,519.20	1,551,918.84	2,660,438.04
370200	370208	26,239.15	36,537.54	62,776.69	0.001937%			0.000000%			0.000000%	197.21	26,239.15	36,734.75	62,973.90
370300	370300	141,132.93	197,586.36	338,719.29	0.010449%			0.000000%			0.000000%		141,132.93	197,586.36	338,719.29
370400	370408	51,356.34	71,900.05	123,256.39	0.003802%	3,190.59	4,466.94	0.007460%	6,755.97	6,756.09	0.011819%	2,702.45	61,302.90	85,825.53	147,128.43
370500	370508	448,570.15	627,997.44	1,076,567.59	0.033211%	19,588.24	27,423.52	0.045800%	31,336.52	31,336.55	0.054819%	12,534.50	499,494.91	699,292.01	1,198,786.92
370600	370608	2,021.77	2,830.46	4,852.23	0.000150%	1,471.17	2,059.72	0.003440%	2,621.40	2,621.33	0.004586%	1,048.55	6,114.34	8,560.06	14,674.40
370700	370708	910,650.16	1,274,890.49	2,185,540.65	0.067421%	65,511.95	91,716.62	0.153175%	54,852.82	54,853.02	0.095957%	21,957.79	1,031,014.93	1,443,417.92	2,474,432.85
370800	370800	61,264.29	85,769.68	147,033.97	0.004536%	10,575.91	14,806.22	0.024728%	9,608.45	9,608.45	0.016809%	3,843.32	81,448.65	114,027.67	195,476.32
370900	370908	3,498,377.80	4,897,604.10	8,395,981.90	0.259005%	137,978.69	193,169.92	0.322611%	98,910.72	98,910.56	0.173029%	39,675.18	3,735,267.21	5,229,359.76	8,964,626.97
371000	371000	79,482.38	111,275.11	190,757.49	0.005885%	6,642.62	9,299.67	0.015531%	2,812.72	2,812.72	0.004920%	1,125.07	88,937.72	124,512.57	213,450.29
371100	371108	673,912.76	943,538.84	1,617,451.60	0.049896%			0.000000%	44,158.61	44,158.78	0.077249%	17,600.59	718,071.37	1,005,298.21	1,723,369.58
371200	371208	8,922.00	12,490.74	21,412.74	0.000661%			0.000000%			0.000000%		8,922.00	12,490.74	21,412.74
371300	371308	676,015.85	946,421.87	1,622,437.72	0.050050%	15,100.00	21,139.97	0.035306%	15,365.78	15,365.73	0.026880%	6,146.30	706,481.63	989,073.87	1,695,555.50
371400	371400	20,820.74	29,149.02	49,969.76	0.001542%	6,191.25	8,667.58	0.014476%			0.000000%		27,011.99	37,816.60	64,828.59
371600	371608	18,478.20	25,869.65	44,347.85	0.001368%			0.000000%			0.000000%		18,478.20	25,869.65	44,347.85
371700	371700	209,412.50	293,177.62	502,590.12	0.015504%	6,893.25	9,650.56	0.016117%	10,153.81	10,153.81	0.017763%	4,061.51	226,459.56	317,043.50	543,503.06
371800	371808	19,135.98	26,790.11	45,926.09	0.001417%			0.000000%			0.000000%		19,135.98	26,790.11	45,926.09
371900	371908	441,302.49	617,821.92	1,059,124.41	0.032673%	24,348.35	34,087.66	0.056929%	9,496.39	9,496.36	0.016612%	3,798.51	475,147.23	665,204.45	1,140,351.68
372000	372000	82,540.07	115,556.23	198,096.30	0.006111%			0.000000%			0.000000%		82,540.07	115,556.23	198,096.30
372100	372108	69,940.17	97,916.36	167,856.53	0.005178%			0.000000%			0.000000%		69,940.17	97,916.36	167,856.53
372200	372208	99,258.48	138,961.76	238,220.24	0.007349%	3,057.26	4,280.13	0.007148%	12,618.69	12,618.69	0.022075%	5,047.47	114,934.43	160,908.05	275,842.48
372300	372300	192,825.31	269,953.64	462,778.95	0.014276%			0.000000%	12,117.16	12,117.06	0.021197%	4,846.76	204,942.47	286,917.46	491,859.93
372400	372400	92,830.54	129,961.87	222,792.41	0.006873%			0.000000%	3,535.43	3,535.41	0.006185%	1,414.15	96,365.97	134,911.43	231,277.40
372500	372508	616,973.29	863,761.84	1,480,735.13	0.045679%	26,811.20	37,535.68	0.062688%	42,303.51	42,303.46	0.074004%	16,921.36	686,088.00	960,522.34	1,646,610.34
372600	372600	139,329.98	195,061.81	334,391.79	0.010316%	6,477.69	9,068.73	0.015146%			0.000000%		145,807.67	204,130.54	349,938.21
372600	372608				0.000000%			0.000000%			0.000000%				
372700	372708	289,784.72	405,698.67	695,483.39	0.021455%	3,943.05	5,520.23	0.009219%	3,959.90	3,959.91	0.006927%	1,583.97	297,687.67	416,762.78	714,450.45
372800	372800	11,771.54	16,480.08	28,251.62	0.000872%			0.000000%			0.000000%		11,771.54	16,480.08	28,251.62
372900	372908	276,085.74	386,519.77	662,605.51	0.020441%	3,475.70	4,865.99	0.008127%	9,634.70	9,634.66	0.016854%	3,853.86	289,196.14	404,874.28	694,070.42
373000	373000	34,491.06	48,287.52	82,778.58	0.002554%			0.000000%			0.000000%		34,491.06	48,287.52	82,778.58
373100	373108	137,412.96	192,378.34	329,791.30	0.010174%	14,263.35	19,968.78	0.033350%	3,176.08	3,176.07	0.005556%	1,270.43	154,852.39	216,793.62	371,646.01
373200	373200	49,767.83	69,674.96	119,442.79	0.003685%			0.000000%			0.000000%		49,767.83	69,674.96	119,442.79
373300	373308	124,275.11	173,985.18	298,260.29	0.009201%			0.000000%			0.000000%		124,275.11	173,985.18	298,260.29
373400	373400	16,621.67	23,270.39	39,892.06	0.001231%			0.000000%	2,094.14	2,094.15	0.003663%	837.68	18,715.81	26,202.22	44,918.03
373500	373500	64,126.05	89,775.82	153,901.87	0.004748%	2,808.00	3,931.20	0.006565%			0.000000%		66,934.05	93,707.02	160,641.07
373700	373700	77,305.53	108,227.51	185,533.04	0.005723%	1,363.81	1,909.32	0.003189%	12,842.24	12,842.45	0.022466%	5,136.80	91,511.58	128,116.08	219,627.66
373900	373908	82,279.39	115,191.05	197,470.44	0.006092%	6,202.56	8,683.53	0.014502%			0.000000%		88,481.95	123,874.58	212,356.53
374000	374008	55,828.10	78,159.57	133,987.67	0.004133%			0.000000%			0.000000%		55,828.10	78,159.57	133,987.67
374100	374108	29,566.24	41,483.95	71,050.19	0.002192%			0.000000%			0.000000%	(91.28)	29,566.24	41,392.67	70,958.91
374200	374208	71,380.25	99,997.79	171,378.04	0.005287%			0.000000%	7,018.96	7,018.96	0.012279%	2,742.07	78,399.21	109,758.82	188,158.03

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
374500	374500	131,854.34	184,596.06	316,450.40	0.009762%			0.000000%	14,775.42	14,775.44	0.025847%	5,910.14	146,629.76	205,281.64	351,911.40
374500	374508	3,751.68	5,252.32	9,004.00	0.000278%			0.000000%			0.000000%		3,751.68	5,252.32	9,004.00
374600	374600	49,391.93	69,148.61	118,540.54	0.003657%			0.000000%			0.000000%		49,391.93	69,148.61	118,540.54
374700	374708	18,894.11	26,451.79	45,345.90	0.001399%	4,147.81	5,806.95	0.009698%			0.000000%		23,041.92	32,258.74	55,300.66
374900	374900	3,710.33	5,194.46	8,904.79	0.000275%			0.000000%	2,771.60	2,771.60	0.004849%	1,108.64	6,481.93	9,074.70	15,556.63
375000	375008	75,400.33	105,560.53	180,960.86	0.005582%	6,495.95	9,094.34	0.015188%			0.000000%		81,896.28	114,654.87	196,551.15
375100	375100	30,474.95	42,665.28	73,140.23	0.002256%			0.000000%			0.000000%		30,474.95	42,665.28	73,140.23
375200	375200	36,334.40	50,867.63	87,202.03	0.002690%			0.000000%			0.000000%		36,334.40	50,867.63	87,202.03
375300	375308	93,570.23	130,998.38	224,568.61	0.006928%			0.000000%	5,352.74	5,352.82	0.009364%	2,141.09	98,922.97	138,492.29	237,415.26
375400	375400	53,896.68	75,455.16	129,351.84	0.003990%			0.000000%			0.000000%		53,896.68	75,455.16	129,351.84
375600	375600	30,461.50	42,646.26	73,107.76	0.002255%			0.000000%			0.000000%		30,461.50	42,646.26	73,107.76
375600	375608	30,462.05	42,647.04	73,109.09	0.002255%			0.000000%			0.000000%		30,462.05	42,647.04	73,109.09
375700	375700	65,238.15	91,333.24	156,571.39	0.004830%	12,200.82	17,081.21	0.028527%			0.000000%		77,438.97	108,414.45	185,853.42
375900	375908	58,444.21	81,821.58	140,265.79	0.004327%			0.000000%			0.000000%		58,444.21	81,821.58	140,265.79
376000	376000	28,303.10	39,624.40	67,927.50	0.002095%			0.000000%			0.000000%		28,303.10	39,624.40	67,927.50
376000	376008	6,963.84	9,749.36	16,713.20	0.000516%			0.000000%			0.000000%		6,963.84	9,749.36	16,713.20
376100	376108	9,360.13	13,104.20	22,464.33	0.000693%			0.000000%			0.000000%		9,360.13	13,104.20	22,464.33
376200	376208	13,605.60	19,048.20	32,653.80	0.001007%			0.000000%			0.000000%		13,605.60	19,048.20	32,653.80
376300	376308	18,548.56	25,967.99	44,516.55	0.001373%			0.000000%			0.000000%		18,548.56	25,967.99	44,516.55
376500	376508	21,056.86	29,479.56	50,536.42	0.001559%	7,067.54	9,894.56	0.016525%			0.000000%		28,124.40	39,374.12	67,498.52
377000	377008	18,660.19	26,184.51	44,844.70	0.001383%			0.000000%			0.000000%	(60.30)	18,660.19	26,124.21	44,784.40
377100	377100	4,950.40	6,930.56	11,880.96	0.000367%			0.000000%	2,246.40	2,246.40	0.003930%	898.56	7,196.80	10,075.52	17,272.32
377200	377200	5,345.00	7,483.04	12,828.04	0.000396%			0.000000%			0.000000%		5,345.00	7,483.04	12,828.04
377300	377308	20,106.86	28,149.63	48,256.49	0.001489%			0.000000%	(6.40)	(6.40)	-0.000011%	(2.56)	20,100.46	28,140.67	48,241.13
377400	377408	3,600.40	5,040.65	8,641.05	0.000267%			0.000000%			0.000000%		3,600.40	5,040.65	8,641.05
377500	377508	63,748.91	89,248.48	152,997.39	0.004720%	3,990.56	5,586.78	0.009330%	4,739.17	4,739.18	0.008290%	1,895.66	72,478.64	101,470.10	173,948.74
400000	400000	1,166.60	1,633.26	2,799.86	0.000086%			0.000000%			0.000000%		1,166.60	1,633.26	2,799.86
400100	400100	13,091.94	18,328.72	31,420.66	0.000969%			0.000000%			0.000000%		13,091.94	18,328.72	31,420.66
400200	400200	75,788.82	106,104.73	181,893.55	0.005611%			0.000000%	874.44	874.32	0.001529%	349.92	76,663.26	107,328.97	183,992.23
400400	400408	45,583.52	63,412.05	108,995.57	0.003362%			0.000000%			0.000000%	405.10	45,583.52	63,817.15	109,400.67
400500	400500	2,030.44	2,842.61	4,873.05	0.000150%			0.000000%			0.000000%		2,030.44	2,842.61	4,873.05
400600	400600	4,842.29	6,779.30	11,621.59	0.000359%	120.00	168.00	0.000281%			0.000000%		4,962.29	6,947.30	11,909.59
400700	400700	17,954.70	25,136.64	43,091.34	0.001329%			0.000000%	120.00	120.00	0.000210%	48.00	18,074.70	25,304.64	43,379.34
400800	400800	5,299.46	7,419.40	12,718.86	0.000392%	120.00	168.00	0.000281%	1,680.00	1,680.00	0.002939%	672.00	7,099.46	9,939.40	17,038.86
400900	400900	11,051.30	15,471.80	26,523.10	0.000818%	526.25	736.75	0.001230%			0.000000%		11,577.55	16,208.55	27,786.10
401100	401108	130,034.20	182,047.69	312,081.89	0.009627%			0.000000%	180.12	179.76	0.000314%	72.12	130,214.32	182,299.57	312,513.89
401200	401200	9,779.74	13,691.83	23,471.57	0.000724%			0.000000%			0.000000%		9,779.74	13,691.83	23,471.57
401300	401308	24,661.17	34,525.36	59,186.53	0.001826%			0.000000%			0.000000%		24,661.17	34,525.36	59,186.53
401400	401400	2,972.08	4,160.87	7,132.95	0.000220%			0.000000%			0.000000%		2,972.08	4,160.87	7,132.95
401600	401600	3,133.50	4,387.40	7,520.90	0.000232%			0.000000%	189.60	189.60	0.000332%	75.84	3,323.10	4,652.84	7,975.94
401700	401700	22,014.84	30,820.96	52,835.80	0.001630%	5,630.09	7,882.02	0.013164%	224.10	224.11	0.000392%	89.63	27,869.03	39,016.72	66,885.75
401800	401800	27,271.96	38,180.75	65,452.71	0.002019%			0.000000%	4,450.39	4,450.34	0.007785%	1,780.17	31,722.35	44,411.26	76,133.61
401900	401900	11,723.67	16,413.15	28,136.82	0.000868%	5,488.72	7,684.19	0.012833%			0.000000%		17,212.39	24,097.34	41,309.73
402000	402000	120.00	168.00	288.00	0.000009%			0.000000%			0.000000%		120.00	168.00	288.00
402100	402100	30,340.25	42,475.78	72,816.03	0.002246%			0.000000%	3,813.77	3,813.68	0.006671%	1,525.47	34,154.02	47,814.93	81,968.95
402200	402200	15,762.91	22,067.94	37,830.85	0.001167%			0.000000%	91.80	91.80	0.000161%	36.72	15,854.71	22,196.46	38,051.17
402300	402300	12,060.52	16,884.58	28,945.10	0.000893%			0.000000%			0.000000%		12,060.52	16,884.58	28,945.10
402400	402400	69,937.79	97,912.79	167,850.58	0.005178%			0.000000%			0.000000%		69,937.79	97,912.79	167,850.58
402500	402508	243,115.98	339,989.21	583,105.19	0.017988%	4,883.04	6,836.21	0.011417%	9,541.47	9,541.42	0.016691%	4,189.02	257,540.49	360,555.86	618,096.35
402600	402600	18,351.28	25,691.49	44,042.77	0.001359%			0.000000%			0.000000%		18,351.28	25,691.49	44,042.77
402700	402700	14,798.31	20,717.91	35,516.22	0.001096%			0.000000%			0.000000%		14,798.31	20,717.91	35,516.22
402800	402800	9,912.58	13,877.73	23,790.31	0.000734%	3,128.24	4,379.55	0.007314%			0.000000%		13,040.82	18,257.28	31,298.10
402900	402908	854.97	1,196.93	2,051.90	0.000063%			0.000000%			0.000000%		854.97	1,196.93	2,051.90
403100	403100	52,793.37	73,910.83	126,704.20	0.003909%			0.000000%			0.000000%		52,793.37	73,910.83	126,704.20
403200	403200	875.40	1,225.56	2,100.96	0.000065%			0.000000%			0.000000%		875.40	1,225.56	2,100.96
403300	403300	18,779.56	26,291.18	45,070.74	0.001390%			0.000000%			0.000000%		18,779.56	26,291.18	45,070.74
403800	403800	9,722.00	13,611.04	23,333.04	0.000720%			0.000000%			0.000000%		9,722.00	13,611.04	23,333.04
403900	403900	544.50	762.37	1,306.87	0.000040%			0.000000%			0.000000%		544.50	762.37	1,306.87
404000	404000	17,003.27	23,803.99	40,807.26	0.001259%	547.20	766.08	0.001279%	445.18	445.18	0.000779%	178.07	17,995.65	25,193.32	43,188.97
404100	404108	69,195.71	96,873.06	166,068.77	0.005123%			0.000000%	1,874.40	1,874.42	0.003279%	749.74	71,070.11	99,497.22	170,567.33
404200	404200	565.50	791.80	1,357.30	0.000042%			0.000000%			0.000000%		565.50	791.80	1,357.30
404300	404300	142,055.32	198,876.53	340,931.85	0.010517%	448.35	627.69	0.001048%	336.00	335.98	0.000588%	134.38	142,839.67	199,974.58	342,814.25
404500	404500	13,424.93	18,794.90	32,219.83	0.000994%			0.000000%			0.000000%		13,424.93	18,794.90	32,219.83

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
404600	404600	36,404.55	50,966.44	87,370.99	0.002695%			0.000000%			0.000000%		36,404.55	50,966.44	87,370.99
404700	404700	822.00	1,150.87	1,972.87	0.000061%			0.000000%			0.000000%		822.00	1,150.87	1,972.87
404900	404900	47,442.13	66,435.28	113,877.41	0.003513%	500.04	699.97	0.001169%	1,466.25	1,466.25	0.002565%	569.67	49,408.42	69,171.17	118,579.59
405100	405100	1,637.64	2,292.68	3,930.32	0.000121%			0.000000%			0.000000%		1,637.64	2,292.68	3,930.32
405200	405200	4,070.96	5,699.79	9,770.75	0.000301%			0.000000%	110.00	110.00	0.000192%	44.00	4,180.96	5,853.79	10,034.75
405300	405300	17,422.99	24,392.34	41,815.33	0.001290%			0.000000%			0.000000%		17,422.99	24,392.34	41,815.33
405400	405408	83,360.92	116,705.72	200,066.64	0.006172%			0.000000%	11,022.39	11,022.46	0.019282%	4,408.97	94,383.31	132,137.15	226,520.46
405500	405500	13,993.87	19,591.22	33,585.09	0.001036%			0.000000%			0.000000%		13,993.87	19,591.22	33,585.09
405500	405508	1,615.38	2,261.43	3,876.81	0.000120%			0.000000%			0.000000%		1,615.38	2,261.43	3,876.81
405600	405600	1,040.49	1,451.48	2,491.97	0.000077%			0.000000%			0.000000%	5.20	1,040.49	1,456.68	2,497.17
406100	406108	42,098.04	58,937.14	101,035.18	0.003117%	4,367.56	6,114.47	0.010212%	723.28	723.41	0.001265%	289.19	47,188.88	66,064.21	113,253.09
406200	406200	13,372.38	18,721.48	32,093.86	0.000990%	997.67	1,396.72	0.002333%	789.34	789.40	0.001381%	315.66	15,159.39	21,223.26	36,382.65
406300	406300	842.62	1,177.56	2,020.18	0.000062%			0.000000%			0.000000%	2.67	842.62	1,180.23	2,022.85
406400	406400	5,882.36	8,235.32	14,117.68	0.000436%			0.000000%			0.000000%		5,882.36	8,235.32	14,117.68
406600	406600	30,103.09	42,144.71	72,247.80	0.002229%			0.000000%	4,337.85	4,337.81	0.007588%	1,735.16	34,440.94	48,217.68	82,658.62
406700	406700	2,727.90	3,819.20	6,547.10	0.000202%			0.000000%	120.00	120.00	0.000210%	48.00	2,847.90	3,987.20	6,835.10
406800	406800	660.00	924.07	1,584.07	0.000049%			0.000000%			0.000000%		660.00	924.07	1,584.07
406900	406900	3,638.91	5,094.58	8,733.49	0.000269%			0.000000%			0.000000%		3,638.91	5,094.58	8,733.49
407100	407100	9,604.44	13,445.91	23,050.35	0.000711%			0.000000%			0.000000%		9,604.44	13,445.91	23,050.35
407200	407200	48,221.11	67,509.30	115,730.41	0.003570%	4,215.23	5,901.30	0.009856%			0.000000%		52,436.34	73,410.60	125,846.94
407200	407208	8,408.10	11,771.28	20,179.38	0.000623%			0.000000%			0.000000%		8,408.10	11,771.28	20,179.38
407300	407300	41,407.45	57,970.64	99,378.09	0.003066%	45.85	64.19	0.000107%	315.00	315.00	0.000551%	126.00	41,768.30	58,475.83	100,244.13
407400	407400	13,735.17	19,229.46	32,964.63	0.001017%			0.000000%	60.00	60.00	0.000105%	24.00	13,795.17	19,313.46	33,108.63
407500	407500	22,495.51	31,493.45	53,988.96	0.001665%			0.000000%			0.000000%		22,495.51	31,493.45	53,988.96
407600	407600	1,365.00	1,911.07	3,276.07	0.000101%			0.000000%			0.000000%		1,365.00	1,911.07	3,276.07
407700	407700	118,458.49	165,868.27	284,326.76	0.008771%			0.000000%	1,076.04	1,075.92	0.001882%	404.37	119,534.53	167,348.56	286,883.09
407800	407800	11,755.14	16,457.25	28,212.39	0.000870%	69.00	96.60	0.000161%	63.00	63.00	0.000110%	25.20	11,887.14	16,642.05	28,529.19
407900	407900	287.41	402.79	690.20	0.000021%			0.000000%	137.04	137.04	0.000240%	54.84	424.45	594.67	1,019.12
408000	408000	570.00	798.03	1,368.03	0.000042%			0.000000%	341.63	341.74	0.000598%	136.63	911.63	1,276.40	2,188.03
408200	408200	7,574.96	10,604.90	18,179.86	0.000561%			0.000000%			0.000000%		7,574.96	10,604.90	18,179.86
408300	408300	15,173.13	21,242.24	36,415.37	0.001123%			0.000000%	51.70	51.69	0.000090%	20.69	15,224.83	21,314.62	36,539.45
408400	408400	69,648.41	97,512.11	167,160.52	0.005157%	459.41	639.31	0.001068%	124.50	124.52	0.000218%	49.77	70,232.32	98,325.71	168,558.03
408500	408508	10,821.26	15,149.84	25,971.10	0.000801%	3,536.00	4,950.40	0.008268%			0.000000%		14,357.26	20,100.24	34,457.50
408600	408608	58,197.35	81,476.97	139,674.32	0.004309%			0.000000%			0.000000%		58,197.35	81,476.97	139,674.32
408700	408700	25,057.83	35,080.90	60,138.73	0.001855%	4,069.31	5,697.03	0.009515%			0.000000%		29,127.14	40,777.93	69,905.07
408800	408808	7,256.46	10,159.15	17,415.61	0.000537%			0.000000%			0.000000%		7,256.46	10,159.15	17,415.61
408900	408900	3,046.15	4,264.66	7,310.81	0.000226%			0.000000%			0.000000%		3,046.15	4,264.66	7,310.81
409000	409000	2,119.70	2,967.48	5,087.18	0.000157%			0.000000%			0.000000%		2,119.70	2,967.48	5,087.18
409000	409008	24,346.31	34,084.78	58,431.09	0.001803%			0.000000%			0.000000%		24,346.31	34,084.78	58,431.09
409200	409200	28,034.01	39,247.49	67,281.50	0.002076%			0.000000%			0.000000%		28,034.01	39,247.49	67,281.50
409300	409300				0.000000%			0.000000%			0.000000%				
409400	409400				0.000000%			0.000000%			0.000000%				
409400	409408	79,368.10	111,115.16	190,483.26	0.005876%			0.000000%			0.000000%		79,368.10	111,115.16	190,483.26
409600	409600	30,842.05	43,179.28	74,021.33	0.002283%			0.000000%			0.000000%		30,842.05	43,179.28	74,021.33
409700	409708	107,625.59	150,658.62	258,284.21	0.007968%			0.000000%	316.97	316.96	0.000554%	143.33	107,942.56	151,118.91	259,061.47
409800	409800	33,039.23	45,928.59	78,967.82	0.002436%	291.20	407.68	0.000681%			0.000000%	326.43	33,330.43	46,662.70	79,993.13
410000	410000	7,970.30	11,158.17	19,128.47	0.000590%			0.000000%			0.000000%		7,970.30	11,158.17	19,128.47
410300	410300	151,700.88	212,380.41	364,081.29	0.011231%	1,022.52	1,431.48	0.002391%			0.000000%		152,723.40	213,811.89	366,535.29
410500	410500	6,061.56	8,486.51	14,548.07	0.000449%			0.000000%			0.000000%		6,061.56	8,486.51	14,548.07
410700	410700	118,932.47	166,505.75	285,438.22	0.008805%			0.000000%			0.000000%		118,932.47	166,505.75	285,438.22
411200	411200	4,718.00	6,605.42	11,323.42	0.000349%			0.000000%			0.000000%		4,718.00	6,605.42	11,323.42
411300	411300	1,080.00	1,512.14	2,592.14	0.000080%			0.000000%			0.000000%		1,080.00	1,512.14	2,592.14
411400	411400	449.86	629.96	1,079.82	0.000033%			0.000000%	1,320.00	1,320.00	0.002309%	528.00	1,769.86	2,477.96	4,247.82
411500	411500	24,530.96	34,343.47	58,874.43	0.001816%	2,612.00	3,656.80	0.006107%	232.62	232.63	0.000407%	93.03	27,375.58	38,325.93	65,701.51
411600	411600	524.96	734.97	1,259.93	0.000039%			0.000000%			0.000000%		524.96	734.97	1,259.93
411800	411800	220.00	308.00	528.00	0.000016%			0.000000%			0.000000%		220.00	308.00	528.00
411900	411900	26,132.31	36,585.17	62,717.48	0.001935%			0.000000%	2,961.60	2,961.61	0.005181%	1,184.63	29,093.91	40,731.41	69,825.32
412100	412100	15,856.76	22,199.55	38,056.31	0.001174%			0.000000%	149.50	149.53	0.000262%	59.77	16,006.26	22,408.85	38,415.11
412200	412208	66,983.78	93,777.42	160,761.20	0.004959%			0.000000%			0.000000%		66,983.78	93,777.42	160,761.20
412400	412408	86,573.82	121,202.80	207,776.62	0.006410%	2,978.80	4,170.29	0.006965%			0.000000%		89,552.62	125,373.09	214,925.71
412500	412500	67,111.05	93,955.46	161,066.51	0.004969%	4,352.92	6,094.08	0.010178%			0.000000%		71,463.97	100,049.54	171,513.51
412600	412600	1,354.00	1,895.64	3,249.64	0.000100%			0.000000%			0.000000%		1,354.00	1,895.64	3,249.64
412700	412700	23,778.75	33,290.15	57,068.90	0.001761%			0.000000%			0.000000%		23,778.75	33,290.15	57,068.90

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
412800	412800	94,268.01	131,974.87	226,242.88	0.006979%	13,185.83	18,460.01	0.030830%	2,060.89	2,060.89	0.003605%	824.35	109,514.73	153,320.12	262,834.85
412900	412908	177,211.68	248,095.94	425,307.62	0.013120%	18,891.70	26,448.35	0.044171%	8,525.12	8,525.12	0.014913%	3,410.07	204,628.50	286,479.48	491,107.98
413000	413000	151,487.19	212,082.60	363,569.79	0.011216%	10,705.49	14,987.66	0.025031%	5,971.03	5,971.05	0.010445%	2,388.39	168,163.71	235,429.70	403,593.41
413100	413100	1,499.50	2,099.39	3,598.89	0.000111%			0.000000%			0.000000%		1,499.50	2,099.39	3,598.89
413400	413408	46,681.42	65,354.27	112,035.69	0.003456%	5,577.64	7,808.76	0.013041%			0.000000%		52,259.06	73,163.03	125,422.09
413600	413600	15,879.17	22,231.03	38,110.20	0.001176%	1,168.92	1,636.48	0.002733%	1,801.19	1,801.21	0.003151%	720.50	18,849.28	26,389.22	45,238.50
413600	413608	88,983.22	124,576.26	213,559.48	0.006588%	6,741.74	9,438.42	0.015763%			0.000000%		95,724.96	134,014.68	229,739.64
413700	413708	58,070.60	81,298.61	139,369.21	0.004299%			0.000000%	4,274.02	4,274.05	0.007477%	1,709.58	62,344.62	87,282.24	149,626.86
413800	413800	13,895.65	19,453.67	33,349.32	0.001029%			0.000000%	453.66	453.62	0.000794%	181.48	14,349.31	20,088.77	34,438.08
414000	414000	68,839.86	96,375.70	165,215.56	0.005097%			0.000000%			0.000000%		68,839.86	96,375.70	165,215.56
414100	414100	13,860.21	19,404.52	33,264.73	0.001026%			0.000000%			0.000000%		13,860.21	19,404.52	33,264.73
414200	414200	4,200.00	5,880.00	10,080.00	0.000311%			0.000000%			0.000000%		4,200.00	5,880.00	10,080.00
414400	414400	2,508.90	3,512.62	6,021.52	0.000186%	666.00	932.40	0.001557%			0.000000%		3,174.90	4,445.02	7,619.92
414500	414500	885.00	1,239.00	2,124.00	0.000066%			0.000000%			0.000000%		885.00	1,239.00	2,124.00
414700	414700	18,126.35	25,377.27	43,503.62	0.001342%			0.000000%	4,019.04	4,019.06	0.007031%	1,607.65	22,145.39	31,003.98	53,149.37
414900	414900	28,382.02	39,734.88	68,116.90	0.002101%			0.000000%			0.000000%		28,382.02	39,734.88	68,116.90
415200	415200	742.50	1,039.56	1,782.06	0.000055%	550.00	770.00	0.001286%			0.000000%		1,292.50	1,809.56	3,102.06
415300	415300				0.000000%			0.000000%			0.000000%				
415300	415308	204,806.46	286,728.64	491,535.10	0.015163%	72.00	100.80	0.000168%	5,777.45	5,777.44	0.010107%	2,310.99	210,655.91	294,917.87	505,573.78
415500	415508	353,363.51	494,708.93	848,072.44	0.026162%	24,622.40	34,471.32	0.057570%	4,113.68	4,113.68	0.007196%	1,645.47	382,099.59	534,939.40	917,038.99
415800	415800	2,115.86	2,962.25	5,078.11	0.000157%			0.000000%			0.000000%		2,115.86	2,962.25	5,078.11
415900	415900	10,339.60	14,475.32	24,814.92	0.000766%			0.000000%			0.000000%		10,339.60	14,475.32	24,814.92
416200	416200	13,963.51	19,548.80	33,512.31	0.001034%			0.000000%			0.000000%		13,963.51	19,548.80	33,512.31
416300	416300	7,594.93	10,633.35	18,228.28	0.000562%			0.000000%			0.000000%	(0.03)	7,594.93	10,633.32	18,228.25
416500	416500	3,366.23	4,712.68	8,078.91	0.000249%	1,842.75	2,579.85	0.004309%			0.000000%		5,208.98	7,292.53	12,501.51
416600	416600	4,322.53	6,051.60	10,374.13	0.000320%			0.000000%			0.000000%		4,322.53	6,051.60	10,374.13
416700	416700	2,449.87	3,429.88	5,879.75	0.000181%			0.000000%	2,336.16	2,336.17	0.004087%	934.46	4,786.03	6,700.51	11,486.54
416900	416900	12,507.22	17,510.11	30,017.33	0.000926%			0.000000%			0.000000%		12,507.22	17,510.11	30,017.33
417000	417008	7,659.74	10,723.58	18,383.32	0.000567%			0.000000%			0.000000%		7,659.74	10,723.58	18,383.32
417100	417100	3,641.16	5,097.69	8,738.85	0.000270%	900.00	1,260.00	0.002104%			0.000000%		4,541.16	6,357.69	10,898.85
417200	417208	146,225.17	204,695.89	350,921.06	0.010825%	14,478.50	20,269.81	0.033852%	7,363.78	7,363.77	0.012882%	2,965.10	168,067.45	235,294.57	403,362.02
417200	983608	35,575.41	49,531.97	85,107.38	0.002625%			0.000000%			0.000000%		35,575.41	49,531.97	85,107.38
417300	417300	60,157.68	84,220.45	144,378.13	0.004454%			0.000000%			0.000000%		60,157.68	84,220.45	144,378.13
417700	417700	7,838.23	10,973.62	18,811.85	0.000580%			0.000000%	168.00	168.00	0.000294%	67.20	8,006.23	11,208.82	19,215.05
417900	417900	1,123.64	1,556.59	2,680.23	0.000083%			0.000000%			0.000000%	16.47	1,123.64	1,573.06	2,696.70
418000	418008	4,518.71	6,326.69	10,845.40	0.000335%			0.000000%			0.000000%		4,518.71	6,326.69	10,845.40
418300	418308	52,163.04	73,028.08	125,191.12	0.003862%			0.000000%	2,073.60	2,073.62	0.003627%	829.42	54,236.64	75,931.12	130,167.76
418500	418500	6,651.99	9,312.83	15,964.82	0.000492%			0.000000%			0.000000%		6,651.99	9,312.83	15,964.82
418800	418808	80,064.22	112,090.21	192,154.43	0.005928%	121.18	169.66	0.000283%	3,722.10	3,722.14	0.006511%	1,488.79	83,907.50	117,470.80	201,378.30
418900	418900	3,437.70	4,812.91	8,250.61	0.000255%			0.000000%			0.000000%		3,437.70	4,812.91	8,250.61
419100	419100	243,549.55	340,967.33	584,516.88	0.018032%	2,237.76	3,132.80	0.005232%	10,110.41	10,110.37	0.017687%	4,044.20	255,897.72	358,254.70	614,152.42
419400	419400	31,084.07	43,517.57	74,601.64	0.002301%	4,781.64	6,694.25	0.011180%	15.00	15.00	0.000026%	6.00	35,880.71	50,232.82	86,113.53
419700	419700	35,827.80	50,158.84	85,986.64	0.002653%			0.000000%			0.000000%		35,827.80	50,158.84	85,986.64
419800	419800	9.00	12.60	21.60	0.000001%			0.000000%			0.000000%		9.00	12.60	21.60
419900	419900	18,102.83	25,343.90	43,446.73	0.001340%			0.000000%			0.000000%		18,102.83	25,343.90	43,446.73
420000	420000	12,579.43	17,611.23	30,190.66	0.000931%			0.000000%			0.000000%		12,579.43	17,611.23	30,190.66
420200	420208	23,913.91	33,479.80	57,393.71	0.001771%			0.000000%			0.000000%		23,913.91	33,479.80	57,393.71
420300	420300	5,984.91	8,378.90	14,363.81	0.000443%			0.000000%			0.000000%		5,984.91	8,378.90	14,363.81
420500	420500	15,233.10	21,286.92	36,520.02	0.001127%			0.000000%			0.000000%	39.53	15,233.10	21,326.45	36,559.55
420700	420700	10,539.80	14,755.82	25,295.62	0.000780%	1,384.52	1,938.39	0.003237%	1,040.00	1,040.00	0.001819%	416.00	12,964.32	18,150.21	31,114.53
420700	420708	69,775.98	97,686.45	167,462.43	0.005166%			0.000000%			0.000000%		69,775.98	97,686.45	167,462.43
420800	420800	1,020.00	1,428.07	2,448.07	0.000076%			0.000000%			0.000000%		1,020.00	1,428.07	2,448.07
420900	420900	47,065.79	65,892.09	112,957.88	0.003485%	4,324.64	6,054.49	0.010112%			0.000000%		51,390.43	71,946.58	123,337.01
421200	421200	33,925.65	47,495.92	81,421.57	0.002512%			0.000000%			0.000000%		33,925.65	47,495.92	81,421.57
421300	421300	2,936.48	4,111.13	7,047.61	0.000217%			0.000000%			0.000000%		2,936.48	4,111.13	7,047.61
421400	421400	30,808.31	43,131.33	73,939.64	0.002281%	220.07	307.94	0.000514%	500.04	499.93	0.000875%	200.04	31,528.42	44,139.24	75,667.66
421500	421500	70,253.38	98,354.10	168,607.48	0.005201%	252.99	354.17	0.000591%			0.000000%		70,506.37	98,708.27	169,214.64
421600	421600	3,279.05	4,590.63	7,869.68	0.000243%			0.000000%			0.000000%		3,279.05	4,590.63	7,869.68
421700	421700	2,057.40	2,880.40	4,937.80	0.000152%			0.000000%			0.000000%		2,057.40	2,880.40	4,937.80
421800	421800	2,678.60	3,750.08	6,428.68	0.000198%			0.000000%	160.32	160.48	0.000281%	64.00	2,838.92	3,974.56	6,813.48
421900	421908	224,006.92	313,609.67	537,616.59	0.016585%	1,321.06	1,849.46	0.003089%			0.000000%		225,327.98	315,459.13	540,787.11
422000	422000	7,510.65	10,442.35	17,953.00	0.000554%			0.000000%			0.000000%	72.71	7,510.65	10,515.06	18,025.71
422300	422300	33,428.42	46,799.72	80,228.14	0.002475%			0.000000%	545.17	545.18	0.000954%	218.05	33,973.59	47,562.95	81,536.54

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
422700	422700	16,378.37	22,929.32	39,307.69	0.001213%			0.000000%			0.000000%		16,378.37	22,929.32	39,307.69
422900	422900	1,201.50	1,682.10	2,883.60	0.000089%			0.000000%			0.000000%		1,201.50	1,682.10	2,883.60
423300	423300	1,900.62	2,660.99	4,561.61	0.000141%			0.000000%			0.000000%		1,900.62	2,660.99	4,561.61
423400	423400	18,426.05	25,796.45	44,222.50	0.001364%			0.000000%			0.000000%		18,426.05	25,796.45	44,222.50
423500	423500	2,099.00	2,938.68	5,037.68	0.000155%			0.000000%			0.000000%		2,099.00	2,938.68	5,037.68
423600	423600	62,843.68	87,981.62	150,825.30	0.004653%	4,075.64	5,705.92	0.009529%	5,661.54	5,661.56	0.009904%	2,264.57	72,580.86	101,613.67	174,194.53
423700	423700	20,081.69	28,114.19	48,195.88	0.001487%	2,593.72	3,631.21	0.006064%			0.000000%		22,675.41	31,745.40	54,420.81
423800	423800	74,517.72	104,324.56	178,842.28	0.005517%			0.000000%			0.000000%		74,517.72	104,324.56	178,842.28
424100	424100	12,774.22	17,883.58	30,657.80	0.000946%	467.50	654.50	0.001093%			0.000000%		13,241.72	18,538.08	31,779.80
424200	424200	1,512.00	2,116.80	3,628.80	0.000112%			0.000000%			0.000000%		1,512.00	2,116.80	3,628.80
424400	424400	58,831.14	82,364.35	141,195.49	0.004356%			0.000000%			0.000000%		58,831.14	82,364.35	141,195.49
424500	424500	31,758.87	44,475.04	76,233.91	0.002352%			0.000000%			0.000000%	(13.24)	31,758.87	44,461.80	76,220.67
424600	424608	2,488,411.92	3,483,767.25	5,972,179.17	0.184234%	71,954.16	100,735.68	0.168238%	134,170.68	134,171.00	0.234712%	53,669.56	2,694,536.76	3,772,343.49	6,466,880.25
424700	424700	10,156.20	14,218.74	24,374.94	0.000752%			0.000000%			0.000000%		10,156.20	14,218.74	24,374.94
424900	424900	1,402.29	1,963.28	3,365.57	0.000104%			0.000000%			0.000000%		1,402.29	1,963.28	3,365.57
425300	425300	24,941.47	34,918.28	59,859.75	0.001847%			0.000000%			0.000000%		24,941.47	34,918.28	59,859.75
425500	425500	11,745.68	16,444.08	28,189.76	0.000870%			0.000000%	54.00	54.12	0.000095%	21.48	11,799.68	16,519.68	28,319.36
425700	425708	53,987.71	75,695.77	129,683.48	0.004001%	1,816.29	2,542.81	0.004247%	8.25	8.26	0.000014%	(109.37)	55,812.25	78,137.47	133,949.72
425800	425800	5,159.24	7,222.85	12,382.09	0.000382%			0.000000%			0.000000%		5,159.24	7,222.85	12,382.09
425900	425908	19,099.90	26,739.54	45,839.44	0.001414%			0.000000%			0.000000%		19,099.90	26,739.54	45,839.44
426100	426100	8,826.50	12,357.23	21,183.73	0.000653%			0.000000%			0.000000%		8,826.50	12,357.23	21,183.73
426300	426308	35,861.79	50,205.96	86,067.75	0.002655%	5,347.46	7,486.43	0.012503%	490.08	489.84	0.000857%	196.08	41,699.33	58,378.31	100,077.64
426500	426500	45,409.32	63,572.83	108,982.15	0.003362%	1,377.06	1,927.88	0.003220%	720.00	720.00	0.001260%	288.00	47,506.38	66,508.71	114,015.09
426700	426700	15,287.79	21,403.00	36,690.79	0.001132%			0.000000%	540.00	540.00	0.000945%	216.00	15,827.79	22,159.00	37,986.79
426900	426900	2,629.45	3,681.21	6,310.66	0.000195%			0.000000%	175.00	175.00	0.000306%	70.00	2,804.45	3,926.21	6,730.66
427000	427008	222,181.04	311,052.70	533,233.74	0.016450%	6,769.63	9,477.46	0.015828%	7,782.75	7,782.75	0.013615%	3,113.17	236,733.42	331,426.08	568,159.50
427200	427200	33,561.16	46,985.70	80,546.86	0.002485%			0.000000%			0.000000%		33,561.16	46,985.70	80,546.86
427200	427208	4,349.78	6,090.09	10,439.87	0.000322%			0.000000%			0.000000%		4,349.78	6,090.09	10,439.87
427300	427300	59,431.60	83,204.69	142,636.29	0.004400%	4,476.32	6,266.82	0.010466%			0.000000%		63,907.92	89,471.51	153,379.43
427500	427508	64,426.35	89,740.37	154,166.72	0.004756%			0.000000%	1,957.71	1,957.72	0.003425%	1,239.98	66,384.06	92,938.07	159,322.13
427800	427800	15,558.00	21,780.78	37,338.78	0.001152%	7,134.96	9,988.95	0.016682%			0.000000%		22,692.96	31,769.73	54,462.69
428000	428008	28,902.17	40,462.95	69,365.12	0.002140%			0.000000%			0.000000%		28,902.17	40,462.95	69,365.12
428100	428100	10,291.27	14,407.87	24,699.14	0.000762%			0.000000%	685.02	684.96	0.001198%	274.02	10,976.29	15,366.85	26,343.14
428200	428200	19,986.50	27,953.68	47,940.18	0.001479%			0.000000%			0.000000%	27.37	19,986.50	27,981.05	47,967.55
428500	428500	3,793.16	5,283.38	9,076.54	0.000280%			0.000000%			0.000000%	27.10	3,793.16	5,310.48	9,103.64
428700	428700	1,658.53	2,322.03	3,980.56	0.000123%			0.000000%	900.05	900.05	0.001575%	360.03	2,558.58	3,582.11	6,140.69
428800	428800	16,194.94	22,672.84	38,867.78	0.001199%			0.000000%			0.000000%		16,194.94	22,672.84	38,867.78
429100	429100	26,907.24	37,670.51	64,577.75	0.001992%			0.000000%	27.00	27.00	0.000047%	10.80	26,934.24	37,708.31	64,642.55
429200	429200	3,785.80	5,300.15	9,085.95	0.000280%			0.000000%	2,973.00	2,973.02	0.005201%	1,189.18	6,758.80	9,462.35	16,221.15
429300	429300	16,804.26	23,525.95	40,330.21	0.001244%	5,265.58	7,371.85	0.012312%	5,068.78	5,068.75	0.008867%	2,027.52	27,138.62	37,994.07	65,132.69
429400	429400	44,772.70	62,681.57	107,454.27	0.003315%			0.000000%			0.000000%		44,772.70	62,681.57	107,454.27
429500	429500	14,419.80	20,187.58	34,607.38	0.001068%			0.000000%	600.00	600.00	0.001050%	240.00	15,019.80	21,027.58	36,047.38
429700	429700	21,640.57	30,296.81	51,937.38	0.001602%			0.000000%			0.000000%		21,640.57	30,296.81	51,937.38
429800	429800	5,167.64	7,234.80	12,402.44	0.000383%			0.000000%			0.000000%		5,167.64	7,234.80	12,402.44
429900	429900	42,372.10	59,320.90	101,693.00	0.003137%			0.000000%	300.00	300.00	0.000525%	120.00	42,672.10	59,740.90	102,413.00
430100	430100	8,140.94	11,340.77	19,481.71	0.000601%			0.000000%			0.000000%	56.59	8,140.94	11,397.36	19,538.30
430400	430400	210.62	294.93	505.55	0.000016%			0.000000%			0.000000%		210.62	294.93	505.55
430900	430900	38,633.13	54,086.38	92,719.51	0.002860%			0.000000%	166.50	166.51	0.000291%	66.59	38,799.63	54,319.48	93,119.11
431100	431100	36,234.37	50,582.03	86,816.40	0.002678%			0.000000%			0.000000%	146.07	36,234.37	50,728.10	86,962.47
431300	431300	67,576.37	94,607.26	162,183.63	0.005003%	512.30	717.22	0.001198%			0.000000%		68,088.67	95,324.48	163,413.15
431400	431408	96,113.39	134,558.68	230,672.07	0.007116%			0.000000%			0.000000%		96,113.39	134,558.68	230,672.07
431600	431600	43,749.95	61,249.59	104,999.54	0.003239%	3,090.90	4,327.26	0.007227%	998.67	998.67	0.001747%	399.46	47,839.52	66,974.98	114,814.50
431700	431700	15,510.22	21,714.47	37,224.69	0.001148%	514.41	720.21	0.001203%	1,080.00	1,080.00	0.001889%	432.00	17,104.63	23,946.68	41,051.31
431700	431708	51,378.51	71,929.87	123,308.38	0.003804%			0.000000%			0.000000%		51,378.51	71,929.87	123,308.38
431800	431800	98,149.66	137,503.00	235,652.66	0.007270%			0.000000%	11,304.76	11,304.80	0.019776%	4,429.02	109,454.42	153,236.82	262,691.24
432200	432200	9,021.82	12,630.52	21,652.34	0.000668%			0.000000%			0.000000%		9,021.82	12,630.52	21,652.34
432200	432208	76,769.47	107,477.28	184,246.75	0.005684%			0.000000%	16,979.15	16,979.16	0.029703%	6,791.62	93,748.62	131,248.06	224,996.68
432300	432300	5,839.49	8,175.21	14,014.70	0.000432%			0.000000%			0.000000%		5,839.49	8,175.21	14,014.70
432400	432400	6,978.30	9,769.99	16,748.29	0.000517%	191.47	268.07	0.000448%	540.00	540.00	0.000945%	216.00	7,709.77	10,794.06	18,503.83
432400	432408	31,368.40	43,915.70	75,284.10	0.002322%			0.000000%	3,204.01	3,204.02	0.005605%	1,281.60	34,572.41	48,401.32	82,973.73
432500	432500	418.63	589.51	1,008.14	0.000031%			0.000000%			0.000000%	(3.34)	418.63	586.17	1,004.80
432600	432600	12,144.32	17,002.17	29,146.49	0.000899%	6,349.46	8,889.21	0.014846%	415.68	415.68	0.000727%	166.32	18,909.46	26,473.38	45,382.84
432800	432800	18,868.62	26,415.98	45,284.60	0.001397%			0.000000%			0.000000%		18,868.62	26,415.98	45,284.60

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
432800	432808	68,981.90	96,574.64	165,556.54	0.005107%			0.000000%			0.000000%		68,981.90	96,574.64	165,556.54
432900	432900	1,200.00	1,680.00	2,880.00	0.000089%			0.000000%			0.000000%		1,200.00	1,680.00	2,880.00
433100	433100	1,376.23	1,926.84	3,303.07	0.000102%			0.000000%			0.000000%		1,376.23	1,926.84	3,303.07
433200	433208	107,165.45	150,049.91	257,215.36	0.007935%	1,952.22	2,721.30	0.004545%	3,200.72	3,200.88	0.005599%	1,274.10	112,318.39	157,246.19	269,564.58
433300	433300	3,359.21	4,702.90	8,062.11	0.000249%	120.00	168.00	0.000281%	90.00	90.12	0.000158%	35.88	3,569.21	4,996.90	8,566.11
433400	433400	37,454.90	52,436.76	89,891.66	0.002773%			0.000000%			0.000000%		37,454.90	52,436.76	89,891.66
433500	433508	19,420.91	27,189.11	46,610.02	0.001438%			0.000000%			0.000000%		19,420.91	27,189.11	46,610.02
433600	433600	199.50	279.31	478.81	0.000015%			0.000000%	200.04	199.92	0.000350%	80.05	399.54	559.28	958.82
433700	433700	79,572.90	111,401.66	190,974.56	0.005891%			0.000000%	341.49	341.48	0.000597%	136.56	79,914.39	111,879.70	191,794.09
433800	433800	17,407.89	24,370.72	41,778.61	0.001289%			0.000000%			0.000000%		17,407.89	24,370.72	41,778.61
434000	434000	134.55	188.39	322.94	0.000010%			0.000000%			0.000000%		134.55	188.39	322.94
434200	434200	20,943.12	29,320.08	50,263.20	0.001551%			0.000000%	1,631.38	1,631.34	0.002854%	652.56	22,574.50	31,603.98	54,178.48
434200	434208	120,945.07	169,323.29	290,268.36	0.008954%	10,074.64	14,104.33	0.023556%	5,911.62	5,911.61	0.010341%	2,364.64	136,931.33	191,703.87	328,635.20
434300	434300	31,155.20	43,386.07	74,541.27	0.002300%	2,620.09	3,644.95	0.006087%	1,092.87	1,092.91	0.001912%	691.82	34,868.16	48,815.75	83,683.91
434400	434400	70.00	98.00	168.00	0.000005%			0.000000%			0.000000%		70.00	98.00	168.00
434500	434500	1,292.00	1,809.18	3,101.18	0.000096%			0.000000%			0.000000%		1,292.00	1,809.18	3,101.18
434700	434700	15,689.33	21,964.90	37,654.23	0.001162%	4,658.28	6,521.52	0.010892%			0.000000%		20,347.61	28,486.42	48,834.03
434800	434800	30,218.63	42,305.99	72,524.62	0.002237%			0.000000%			0.000000%		30,218.63	42,305.99	72,524.62
435000	435008	426,444.07	597,020.88	1,023,464.95	0.031573%	13,495.76	18,894.09	0.031555%	13,096.83	13,096.84	0.022911%	5,238.79	453,036.66	634,250.60	1,087,287.26
435100	435100	2,230.00	3,122.07	5,352.07	0.000165%			0.000000%			0.000000%		2,230.00	3,122.07	5,352.07
435200	435200	14,033.22	19,646.02	33,679.24	0.001039%	144.00	201.60	0.000337%	209.25	209.26	0.000366%	83.68	14,386.47	20,140.56	34,527.03
435400	435400	8,426.44	11,797.04	20,223.48	0.000624%			0.000000%	1,501.95	1,501.95	0.002627%	600.77	9,928.39	13,899.76	23,828.15
435500	435500	15,362.41	21,507.66	36,870.07	0.001137%			0.000000%			0.000000%		15,362.41	21,507.66	36,870.07
435600	435600	8,168.89	11,502.39	19,671.28	0.000607%			0.000000%			0.000000%	(65.97)	8,168.89	11,436.42	19,605.31
436000	436000	6,044.33	8,462.00	14,506.33	0.000448%			0.000000%			0.000000%		6,044.33	8,462.00	14,506.33
436100	436100	2,400.00	3,360.00	5,760.00	0.000178%			0.000000%			0.000000%		2,400.00	3,360.00	5,760.00
436400	436400	2,524.72	3,534.35	6,059.07	0.000187%			0.000000%			0.000000%		2,524.72	3,534.35	6,059.07
436600	436600				0.000000%			0.000000%			0.000000%				
436700	436700	2,205.00	3,087.47	5,292.47	0.000163%			0.000000%			0.000000%		2,205.00	3,087.47	5,292.47
436900	436900	50,623.92	70,873.38	121,497.30	0.003748%	4,263.95	5,969.57	0.009970%			0.000000%		54,887.87	76,842.95	131,730.82
437000	437008	184,417.61	258,205.30	442,622.91	0.013654%	18,349.59	25,689.42	0.042904%	24,755.28	24,755.22	0.043306%	9,881.09	227,522.48	318,531.03	546,053.51
437100	437100	870.00	1,218.00	2,088.00	0.000064%			0.000000%			0.000000%		870.00	1,218.00	2,088.00
437200	437200	3,491.14	4,887.53	8,378.67	0.000258%			0.000000%	1,274.40	1,274.40	0.002229%	509.76	4,765.54	6,671.69	11,437.23
437300	437300	2,190.00	3,066.07	5,256.07	0.000162%			0.000000%	600.00	600.00	0.001050%	240.00	2,790.00	3,906.07	6,696.07
437400	437400	8,962.90	12,547.78	21,510.68	0.000664%			0.000000%			0.000000%		8,962.90	12,547.78	21,510.68
437500	437500	29,089.84	40,725.69	69,815.53	0.002154%	854.72	1,196.63	0.001998%	2,478.00	2,478.04	0.004335%	991.16	32,422.56	45,391.52	77,814.08
437600	437600	944.96	1,323.39	2,268.35	0.000070%	60.00	84.00	0.000140%			0.000000%		1,004.96	1,407.39	2,412.35
437700	437700	4,519.70	6,327.58	10,847.28	0.000335%	1,080.00	1,512.00	0.002525%			0.000000%		5,599.70	7,839.58	13,439.28
437800	437800	83,817.48	117,344.60	201,162.08	0.006206%	5,778.48	8,089.88	0.013511%			0.000000%		89,595.96	125,434.48	215,030.44
437900	437900	1,260.00	1,764.07	3,024.07	0.000093%			0.000000%			0.000000%		1,260.00	1,764.07	3,024.07
438100	438100	557.50	780.58	1,338.08	0.000041%			0.000000%			0.000000%		557.50	780.58	1,338.08
438200	438200	83,072.27	116,306.44	199,378.71	0.006151%			0.000000%	2,640.37	2,640.37	0.004619%	1,050.13	85,712.64	119,996.94	205,709.58
438300	438300	7,045.73	9,864.08	16,909.81	0.000522%			0.000000%			0.000000%		7,045.73	9,864.08	16,909.81
438400	438400	1,680.00	2,352.00	4,032.00	0.000124%			0.000000%			0.000000%		1,680.00	2,352.00	4,032.00
438500	438508	121,863.46	170,224.69	292,088.15	0.009011%	7,846.08	10,984.66	0.018345%	7,608.22	7,608.14	0.013309%	3,426.53	137,317.76	192,244.02	329,561.78
439100	439100	18,436.08	25,810.02	44,246.10	0.001365%			0.000000%			0.000000%		18,436.08	25,810.02	44,246.10
439300	439300	41,377.21	57,928.19	99,305.40	0.003063%	100.38	140.53	0.000235%	341.90	341.77	0.000598%	136.74	41,819.49	58,547.23	100,366.72
439400	439400	19,778.58	27,689.89	47,468.47	0.001464%			0.000000%	145.00	145.00	0.000254%	58.00	19,923.58	27,892.89	47,816.47
439500	439508	41,809.02	58,532.28	100,341.30	0.003095%			0.000000%	109.66	109.66	0.000192%	43.86	41,918.68	58,685.80	100,604.48
439600	439600	8,528.08	11,939.58	20,467.66	0.000631%	399.97	560.04	0.000935%			0.000000%		8,928.05	12,499.62	21,427.67
439700	439700	255.96	358.44	614.40	0.000019%			0.000000%			0.000000%		255.96	358.44	614.40
439800	439800	4,882.96	6,836.17	11,719.13	0.000362%			0.000000%			0.000000%		4,882.96	6,836.17	11,719.13
439900	439900	1,901.50	2,662.20	4,563.70	0.000141%			0.000000%			0.000000%		1,901.50	2,662.20	4,563.70
440100	440100	19,925.14	27,895.38	47,820.52	0.001475%			0.000000%			0.000000%		19,925.14	27,895.38	47,820.52
440300	440300	455.00	637.07	1,092.07	0.000034%			0.000000%			0.000000%		455.00	637.07	1,092.07
440900	440908	1,056,196.91	1,478,675.16	2,534,872.07	0.078198%	54,501.19	76,301.64	0.127431%	40,842.20	40,842.32	0.071448%	16,336.80	1,151,540.30	1,612,155.92	2,763,696.22
441000	441008	68,525.27	95,935.66	164,460.93	0.005073%			0.000000%			0.000000%		68,525.27	95,935.66	164,460.93
441100	441100	2,388.94	3,326.84	5,715.78	0.000176%			0.000000%			0.000000%	17.69	2,388.94	3,344.53	5,733.47
441300	441300	1,372.78	1,921.90	3,294.68	0.000102%			0.000000%	240.00	240.00	0.000420%	96.00	1,612.78	2,257.90	3,870.68
442100	442108	77,099.91	107,939.51	185,039.42	0.005708%			0.000000%			0.000000%		77,099.91	107,939.51	185,039.42
442200	442200	6,006.03	8,408.38	14,414.41	0.000445%			0.000000%			0.000000%		6,006.03	8,408.38	14,414.41
442300	442300	49,459.46	69,243.46	118,702.92	0.003662%			0.000000%			0.000000%		49,459.46	69,243.46	118,702.92
442400	442400	14,273.66	19,983.09	34,256.75	0.001057%			0.000000%			0.000000%		14,273.66	19,983.09	34,256.75

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
442400	442408	74,109.35	103,752.81	177,862.16	0.005487%			0.000000%			0.000000%		74,109.35	103,752.81	177,862.16
442500	442508	22,404.37	31,365.92	53,770.29	0.001659%			0.000000%			0.000000%		22,404.37	31,365.92	53,770.29
443100	443100	1,608.11	2,251.42	3,859.53	0.000119%	458.37	641.63	0.001072%			0.000000%		2,066.48	2,893.05	4,959.53
443200	443200	5,443.70	7,634.52	13,078.22	0.000403%			0.000000%			0.000000%	(13.33)	5,443.70	7,621.19	13,064.89
443300	443300	682.61	955.59	1,638.20	0.000051%			0.000000%			0.000000%		682.61	955.59	1,638.20
443400	443400	436.50	611.10	1,047.60	0.000032%			0.000000%			0.000000%		436.50	611.10	1,047.60
443500	443500	14,746.02	20,644.59	35,390.61	0.001092%			0.000000%	15.00	15.00	0.000026%	6.00	14,761.02	20,665.59	35,426.61
444100	444100	73,430.52	102,802.78	176,233.30	0.005437%	360.00	504.00	0.000842%			0.000000%		73,790.52	103,306.78	177,097.30
444100	444108				0.000000%	8,650.72	12,111.04	0.020227%			0.000000%		8,650.72	12,111.04	20,761.76
444200	444200	8,699.42	12,176.04	20,875.46	0.000644%			0.000000%			0.000000%	3.60	8,699.42	12,179.64	20,879.06
444400	444400	27,605.66	38,647.81	66,253.47	0.002044%	336.00	470.40	0.000786%	336.00	336.00	0.000588%	134.40	28,277.66	39,588.61	67,866.27
444500	444500	44,394.69	62,152.61	106,547.30	0.003287%			0.000000%	7,800.85	7,800.87	0.013646%	3,120.32	52,195.54	73,073.80	125,269.34
444500	444508	6,499.63	9,099.51	15,599.14	0.000481%			0.000000%			0.000000%		6,499.63	9,099.51	15,599.14
444600	444600	180.00	252.07	432.07	0.000013%			0.000000%			0.000000%		180.00	252.07	432.07
444700	444700	11,291.57	15,808.21	27,099.78	0.000836%	6,233.45	8,726.87	0.014575%			0.000000%		17,525.02	24,535.08	42,060.10
444900	444900	6,357.10	8,899.98	15,257.08	0.000471%			0.000000%			0.000000%		6,357.10	8,899.98	15,257.08
445000	445000	563.00	788.23	1,351.23	0.000042%			0.000000%			0.000000%		563.00	788.23	1,351.23
445100	445100	3,016.58	4,223.27	7,239.85	0.000223%			0.000000%			0.000000%		3,016.58	4,223.27	7,239.85
445300	445308	26,144.77	36,602.73	62,747.50	0.001936%	9,492.37	13,289.17	0.022194%	404.85	404.84	0.000708%	161.94	36,041.99	50,458.68	86,500.67
445400	445400	140,670.88	196,938.16	337,609.04	0.010415%			0.000000%	405.03	405.05	0.000709%	161.99	141,075.91	197,505.20	338,581.11
445600	445600	5,886.87	8,237.75	14,124.62	0.000436%			0.000000%			0.000000%	3.91	5,886.87	8,241.66	14,128.53
445700	445708	50,409.46	70,573.23	120,982.69	0.003732%			0.000000%	4,460.10	4,460.10	0.007802%	1,784.04	54,869.56	76,817.37	131,686.93
445800	445800	1,026.72	1,429.73	2,456.45	0.000076%			0.000000%			0.000000%	7.65	1,026.72	1,437.38	2,464.10
445900	445900	41,718.72	58,406.08	100,124.80	0.003089%			0.000000%	1,553.83	1,553.83	0.002718%	621.54	43,272.55	60,581.45	103,854.00
446000	446008	26,957.16	37,739.87	64,697.03	0.001996%			0.000000%	120.00	120.00	0.000210%	48.00	27,077.16	37,907.87	64,985.03
446100	446108	1,338.26	1,873.57	3,211.83	0.000099%			0.000000%	562.50	562.59	0.000984%	224.91	1,900.76	2,661.07	4,561.83
446200	446200	2,286.00	3,200.40	5,486.40	0.000169%			0.000000%	1,149.00	1,149.00	0.002010%	459.48	3,435.00	4,808.88	8,243.88
446300	446300	7,912.98	11,077.87	18,990.85	0.000586%			0.000000%			0.000000%		7,912.98	11,077.87	18,990.85
446400	446400	8,004.65	11,206.60	19,211.25	0.000593%			0.000000%			0.000000%		8,004.65	11,206.60	19,211.25
446800	446800	28,651.62	40,112.04	68,763.66	0.002121%			0.000000%			0.000000%		28,651.62	40,112.04	68,763.66
446900	446900	1,138.40	1,593.81	2,732.21	0.000084%			0.000000%			0.000000%		1,138.40	1,593.81	2,732.21
447100	447100	60,380.20	84,531.40	144,911.60	0.004470%			0.000000%	373.60	373.62	0.000654%	149.42	60,753.80	85,054.44	145,808.24
447400	447400	60,576.59	84,807.71	145,384.30	0.004485%			0.000000%			0.000000%		60,576.59	84,807.71	145,384.30
447500	447500	45,117.02	63,176.15	108,293.17	0.003341%	1,682.60	2,355.63	0.003934%	703.10	703.10	0.001230%	268.75	47,502.72	66,503.63	114,006.35
447800	447800	66,049.86	92,470.11	158,519.97	0.004890%			0.000000%			0.000000%		66,049.86	92,470.11	158,519.97
448000	448008	98,256.57	137,559.15	235,815.72	0.007275%			0.000000%	139.20	139.20	0.000244%	55.68	98,395.77	137,754.03	236,149.80
448100	448108	28,517.37	39,924.58	68,441.95	0.002111%	624.96	875.04	0.001461%			0.000000%		29,142.33	40,799.62	69,941.95
448400	448400	6,003.20	8,404.64	14,407.84	0.000444%			0.000000%			0.000000%		6,003.20	8,404.64	14,407.84
448500	448500	20,204.62	28,285.95	48,490.57	0.001496%			0.000000%	3,931.20	3,931.20	0.006877%	1,572.48	24,135.82	33,789.63	57,925.45
448600	448608	61,723.17	86,412.77	148,135.94	0.004570%	7,219.46	10,107.29	0.016880%	84.00	84.00	0.000147%	33.60	69,026.63	96,637.66	165,664.29
448700	448700	20,028.41	28,039.72	48,068.13	0.001483%			0.000000%	2,852.85	2,852.95	0.004991%	1,141.04	22,881.26	32,033.71	54,914.97
448800	448800	4,663.50	6,528.91	11,192.41	0.000345%			0.000000%			0.000000%		4,663.50	6,528.91	11,192.41
449000	449000	465.41	651.63	1,117.04	0.000034%			0.000000%			0.000000%		465.41	651.63	1,117.04
449100	449100	92,964.84	130,150.43	223,115.27	0.006883%			0.000000%	1,233.00	1,233.12	0.002157%	493.08	94,197.84	131,876.63	226,074.47
449200	449200	3,867.70	5,414.78	9,282.48	0.000286%			0.000000%			0.000000%		3,867.70	5,414.78	9,282.48
449400	449400	70,204.09	98,283.63	168,487.72	0.005198%			0.000000%			0.000000%	1.72	70,204.09	98,285.35	168,489.44
449700	449700	12,040.75	16,857.16	28,897.91	0.000891%			0.000000%			0.000000%	(0.01)	12,040.75	16,857.15	28,897.90
449800	449800	33,588.56	47,023.95	80,612.51	0.002487%	420.00	588.00	0.000982%	3,679.58	3,679.59	0.006437%	1,471.82	37,688.14	52,763.36	90,451.50
449900	449900	249.98	349.97	599.95	0.000019%			0.000000%			0.000000%		249.98	349.97	599.95
450000	450000	14,639.27	20,495.06	35,134.33	0.001084%			0.000000%			0.000000%		14,639.27	20,495.06	35,134.33
450100	450100	15,051.00	21,071.32	36,122.32	0.001114%			0.000000%	1,684.12	1,684.12	0.002946%	673.65	16,735.12	23,429.09	40,164.21
450300	450300	21,318.13	29,845.59	51,163.72	0.001578%			0.000000%			0.000000%		21,318.13	29,845.59	51,163.72
450500	450500	12,095.38	16,933.39	29,028.77	0.000896%			0.000000%			0.000000%		12,095.38	16,933.39	29,028.77
450900	450900	36,809.00	51,532.69	88,341.69	0.002725%			0.000000%	421.00	421.00	0.000736%	168.40	37,230.00	52,122.09	89,352.09
451100	451100	3,565.92	4,992.43	8,558.35	0.000264%	1,500.00	2,100.00	0.003507%			0.000000%		5,065.92	7,092.43	12,158.35
451200	451200	22,435.93	31,409.66	53,845.59	0.001661%	6,364.80	8,910.72	0.014882%	187.83	187.84	0.000329%	75.12	28,988.56	40,583.34	69,571.90
451300	451300	36,846.40	51,585.39	88,431.79	0.002728%	3,818.82	5,346.35	0.008929%			0.000000%		40,665.22	56,931.74	97,596.96
451400	451408	50,197.84	70,277.09	120,474.93	0.003716%			0.000000%			0.000000%		50,197.84	70,277.09	120,474.93
451600	451600	5,846.08	8,161.47	14,007.55	0.000432%			0.000000%	6,780.06	6,780.05	0.011861%	2,734.97	12,626.14	17,676.49	30,302.63
452000	452008	65,854.59	92,196.78	158,051.37	0.004876%			0.000000%	540.00	540.00	0.000945%	216.00	66,394.59	92,952.78	159,347.37
452200	452200	16,499.10	23,099.24	39,598.34	0.001222%			0.000000%			0.000000%		16,499.10	23,099.24	39,598.34
452300	452300	192.59	269.71	462.30	0.000014%			0.000000%			0.000000%		192.59	269.71	462.30
452300	452308	16,630.63	23,282.62	39,913.25	0.001231%			0.000000%	2,818.12	2,818.12	0.004930%	1,127.24	19,448.75	27,227.98	46,676.73

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
452400	452400	6,498.13	9,096.96	15,595.09	0.000481%			0.000000%			0.000000%		6,498.13	9,096.96	15,595.09
452500	452500	16,055.44	22,478.04	38,533.48	0.001189%			0.000000%	2,441.17	2,441.27	0.004271%	976.40	18,496.61	25,895.71	44,392.32
452700	452700	21,516.94	30,133.71	51,650.65	0.001593%			0.000000%	2,366.00	2,366.00	0.004139%	936.83	23,882.94	33,436.54	57,319.48
452900	452900	29,793.96	41,711.80	71,505.76	0.002206%	1,037.96	1,453.14	0.002427%			0.000000%		30,831.92	43,164.94	73,996.86
453000	453008	53,833.16	75,366.34	129,199.50	0.003986%			0.000000%			0.000000%		53,833.16	75,366.34	129,199.50
453300	453300	4,301.00	6,021.75	10,322.75	0.000318%	4,257.00	5,959.80	0.009953%			0.000000%		8,558.00	11,981.55	20,539.55
453400	453400	23,812.68	33,337.56	57,150.24	0.001763%			0.000000%	1,809.40	1,809.39	0.003165%	723.67	25,622.08	35,870.62	61,492.70
453400	453408	53,709.55	75,193.42	128,902.97	0.003976%			0.000000%			0.000000%		53,709.55	75,193.42	128,902.97
453500	453500	41,391.03	57,947.06	99,338.09	0.003064%			0.000000%	240.00	240.00	0.000420%	96.00	41,631.03	58,283.06	99,914.09
453600	453600	4,401.40	6,161.97	10,563.37	0.000326%			0.000000%			0.000000%		4,401.40	6,161.97	10,563.37
453800	453800	22,982.06	32,147.42	55,129.48	0.001701%			0.000000%			0.000000%	27.07	22,982.06	32,174.49	55,156.55
453900	453900	1,630.50	2,282.70	3,913.20	0.000121%			0.000000%			0.000000%		1,630.50	2,282.70	3,913.20
454300	454300	447.80	626.92	1,074.72	0.000033%			0.000000%			0.000000%		447.80	626.92	1,074.72
454400	454400	820.20	1,148.27	1,968.47	0.000061%			0.000000%			0.000000%		820.20	1,148.27	1,968.47
454400	454408	611,133.88	855,587.40	1,466,721.28	0.045246%	54,790.05	76,706.32	0.128106%	31,907.52	31,907.63	0.055818%	12,762.82	697,831.45	976,964.17	1,674,795.62
454800	454808	355,586.84	497,820.25	853,407.09	0.026327%	8,197.70	11,476.77	0.019167%	1,447.55	1,447.54	0.002532%	579.01	365,232.09	511,323.57	876,555.66
455000	455008	47,782.73	66,895.61	114,678.34	0.003538%			0.000000%	999.96	999.98	0.001749%	399.98	48,782.69	68,295.57	117,078.26
455100	455100	364.50	510.30	874.80	0.000027%			0.000000%			0.000000%		364.50	510.30	874.80
455200	455200	16,477.51	23,068.42	39,545.93	0.001220%			0.000000%			0.000000%		16,477.51	23,068.42	39,545.93
455700	455708	9,459.53	13,243.44	22,702.97	0.000700%			0.000000%	1,095.50	1,095.53	0.001916%	438.17	10,555.03	14,777.14	25,332.17
455800	455800	1,680.00	2,352.00	4,032.00	0.000124%			0.000000%			0.000000%		1,680.00	2,352.00	4,032.00
456000	456000				0.000000%			0.000000%			0.000000%				
456000	456008	60,339.76	84,475.58	144,815.34	0.004467%			0.000000%	246.72	246.72	0.000432%	98.69	60,586.48	84,820.99	145,407.47
456100	456100	15,080.01	21,111.98	36,191.99	0.001116%			0.000000%			0.000000%		15,080.01	21,111.98	36,191.99
456300	456300	69,951.94	97,931.80	167,883.74	0.005179%			0.000000%			0.000000%		69,951.94	97,931.80	167,883.74
456300	456308	5,987.46	8,382.41	14,369.87	0.000443%			0.000000%			0.000000%		5,987.46	8,382.41	14,369.87
456400	456400	732.00	1,025.01	1,757.01	0.000054%			0.000000%			0.000000%		732.00	1,025.01	1,757.01
456500	456500	17,263.30	24,067.47	41,330.77	0.001275%			0.000000%			0.000000%	100.97	17,263.30	24,168.44	41,431.74
456600	456600	480.00	668.00	1,148.00	0.000035%			0.000000%			0.000000%	4.00	480.00	672.00	1,152.00
456700	456700	2,159.08	3,022.71	5,181.79	0.000160%	890.04	1,245.97	0.002081%			0.000000%		3,049.12	4,268.68	7,317.80
456800	456800	51,241.70	71,738.50	122,980.20	0.003794%			0.000000%	6,094.70	6,094.71	0.010662%	2,437.85	57,336.40	80,271.06	137,607.46
456900	456908	181,030.22	253,441.95	434,472.17	0.013403%			0.000000%			0.000000%		181,030.22	253,441.95	434,472.17
457000	457000	6,418.07	8,985.41	15,403.48	0.000475%			0.000000%	190.00	190.00	0.000332%	76.00	6,608.07	9,251.41	15,859.48
457100	457100	11,486.79	16,081.63	27,568.42	0.000850%			0.000000%	1,794.25	1,794.30	0.003139%	717.65	13,281.04	18,593.58	31,874.62
457300	457300	428.75	600.25	1,029.00	0.000032%			0.000000%			0.000000%		428.75	600.25	1,029.00
457700	457708	76,124.54	106,574.59	182,699.13	0.005636%	6,412.63	8,977.73	0.014994%			0.000000%		82,537.17	115,552.32	198,089.49
457800	457808	39,105.74	54,747.90	93,853.64	0.002895%			0.000000%			0.000000%		39,105.74	54,747.90	93,853.64
457900	457900	2,130.85	2,983.17	5,114.02	0.000158%			0.000000%			0.000000%		2,130.85	2,983.17	5,114.02
458100	458100	96.00	134.40	230.40	0.000007%			0.000000%			0.000000%		96.00	134.40	230.40
458200	458200	1,555.11	2,177.14	3,732.25	0.000115%			0.000000%			0.000000%		1,555.11	2,177.14	3,732.25
458300	458300	68,103.98	95,346.06	163,450.04	0.005042%	3,132.08	4,384.91	0.007323%			0.000000%		71,236.06	99,730.97	170,967.03
458300	458308	30,290.28	42,406.37	72,696.65	0.002243%	1,342.32	1,879.24	0.003139%			0.000000%		31,632.60	44,285.61	75,918.21
458400	458408	30,140.39	42,194.96	72,335.35	0.002231%	2,021.63	2,830.30	0.004727%	571.09	571.14	0.000999%	229.71	32,733.11	45,826.11	78,559.22
458500	458500	23,491.64	32,887.12	56,378.76	0.001739%			0.000000%	78.44	78.45	0.000137%	31.35	23,570.08	32,996.92	56,567.00
458500	458508	104,596.34	146,435.05	251,031.39	0.007744%			0.000000%			0.000000%		104,596.34	146,435.05	251,031.39
458600	458600	52,348.47	73,287.41	125,635.88	0.003876%	83.33	116.67	0.000195%	2,160.92	2,160.93	0.003780%	864.34	54,592.72	76,429.35	131,022.07
458700	458708	292,946.95	410,124.78	703,071.73	0.021689%	3,993.76	5,591.22	0.009338%	6,226.42	6,226.44	0.010892%	2,490.58	303,167.13	424,433.02	727,600.15
459100	459100	319.75	447.72	767.47	0.000024%			0.000000%			0.000000%		319.75	447.72	767.47
459200	459200	53,327.09	74,657.74	127,984.83	0.003948%			0.000000%			0.000000%		53,327.09	74,657.74	127,984.83
459200	459208	2,025.26	2,835.36	4,860.62	0.000150%			0.000000%			0.000000%		2,025.26	2,835.36	4,860.62
459500	459508	155,668.99	217,937.23	373,606.22	0.011525%	5,243.36	7,340.70	0.012260%	5,257.50	5,257.48	0.009197%	2,103.02	166,169.85	232,638.43	398,808.28
459700	459700	126,244.57	176,742.32	302,986.89	0.009347%	600.00	840.00	0.001403%	11,604.13	11,604.13	0.020300%	4,641.58	138,448.70	193,828.03	332,276.73
459800	459800	1,222.20	1,711.26	2,933.46	0.000090%			0.000000%			0.000000%		1,222.20	1,711.26	2,933.46
460100	460100	3,916.23	5,482.81	9,399.04	0.000290%			0.000000%			0.000000%		3,916.23	5,482.81	9,399.04
460200	460200	18,657.03	26,119.57	44,776.60	0.001381%			0.000000%			0.000000%		18,657.03	26,119.57	44,776.60
460300	460300	14,375.77	20,125.98	34,501.75	0.001064%			0.000000%			0.000000%		14,375.77	20,125.98	34,501.75
460400	460400	8,278.42	11,589.86	19,868.28	0.000613%			0.000000%			0.000000%		8,278.42	11,589.86	19,868.28
460500	460500	547.50	766.56	1,314.06	0.000041%			0.000000%			0.000000%		547.50	766.56	1,314.06
460600	460600	10,254.83	14,356.80	24,611.63	0.000759%			0.000000%			0.000000%		10,254.83	14,356.80	24,611.63
460800	460800	68,924.84	96,494.45	165,419.29	0.005103%			0.000000%			0.000000%		68,924.84	96,494.45	165,419.29
461000	461008	74,571.79	104,400.38	178,972.17	0.005521%			0.000000%	6,811.78	6,811.87	0.011916%	2,724.69	81,383.57	113,936.94	195,320.51
461100	461100	7,393.69	10,350.88	17,744.57	0.000547%			0.000000%			0.000000%		7,393.69	10,350.88	17,744.57
461300	461308	22,809.37	31,957.98	54,767.35	0.001690%			0.000000%			0.000000%	(24.65)	22,809.37	31,933.33	54,742.70

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
461400	461400	5,420.38	7,588.53	13,008.91	0.000401%			0.000000%			0.000000%		5,420.38	7,588.53	13,008.91
461600	461600	3,131.30	4,383.99	7,515.29	0.000232%			0.000000%			0.000000%		3,131.30	4,383.99	7,515.29
461700	461708	82,668.90	115,730.27	198,399.17	0.006120%			0.000000%			0.000000%	6.05	82,668.90	115,736.32	198,405.22
461800	461800	4,114.72	5,760.82	9,875.54	0.000305%			0.000000%			0.000000%		4,114.72	5,760.82	9,875.54
462300	462300	1,925.70	2,681.79	4,607.49	0.000142%			0.000000%			0.000000%	14.16	1,925.70	2,695.95	4,621.65
462500	462500	60,906.68	85,268.80	146,175.48	0.004509%			0.000000%			0.000000%		60,906.68	85,268.80	146,175.48
462900	462900	1,383.76	1,937.33	3,321.09	0.000102%			0.000000%			0.000000%		1,383.76	1,937.33	3,321.09
463200	463208	375,562.07	525,785.31	901,347.38	0.027805%	46,122.56	64,571.66	0.107841%	15,258.48	15,258.39	0.026692%	6,103.41	436,943.11	611,718.77	1,048,661.88
463300	463300	610.50	854.88	1,465.38	0.000045%			0.000000%			0.000000%		610.50	854.88	1,465.38
463400	463400	6,678.25	9,306.24	15,984.49	0.000493%			0.000000%			0.000000%	43.17	6,678.25	9,349.41	16,027.66
463500	463500	819.96	1,148.04	1,968.00	0.000061%			0.000000%	592.13	592.14	0.001036%	236.84	1,412.09	1,977.02	3,389.11
463600	463600	95,124.06	132,391.37	227,515.43	0.007019%	1,157.12	1,619.98	0.002706%	4,064.66	4,064.67	0.007111%	2,802.45	100,345.84	140,878.47	241,224.31
463600	463608	15,381.62	21,205.76	36,587.38	0.001129%	289.28	404.98	0.000676%	1,035.26	1,035.26	0.001811%	936.62	16,706.16	23,582.62	40,288.78
463600	822400		0.01	0.01	0.000000%			0.000000%			0.000000%	(0.02)	(0.00)	(0.01)	(0.01)
463600	883508	(3,211.72)	(4,164.63)	(7,376.35)	-0.000228%			0.000000%			0.000000%	(1,795.01)	(3,211.72)	(5,959.64)	(9,171.36)
463600	983508	45,465.48	63,301.57	108,767.05	0.003355%			0.000000%			0.000000%		45,465.48	63,301.57	108,767.05
463700	463700	132,459.84	185,443.21	317,903.05	0.009807%			0.000000%	7,220.48	7,220.48	0.012631%	2,888.20	139,680.32	195,551.89	335,232.21
463800	463800	68,018.47	95,247.31	163,265.78	0.005037%	3,423.71	4,771.62	0.007969%	720.00	720.00	0.001260%	288.00	72,162.18	101,026.93	173,189.11
464000	464008	60,014.46	84,020.19	144,034.65	0.004443%	6,438.42	9,013.75	0.015054%	2,563.33	2,563.30	0.004484%	1,025.37	69,016.21	96,622.61	165,638.82
464100	464108	17,906.20	25,068.67	42,974.87	0.001326%			0.000000%	2,557.47	2,557.47	0.004474%	1,023.00	20,463.67	28,649.14	49,112.81
464200	464200	32,900.98	46,061.03	78,962.01	0.002436%	65.04	90.96	0.000152%			0.000000%		32,966.02	46,151.99	79,118.01
464400	464400	480.00	672.00	1,152.00	0.000036%			0.000000%			0.000000%		480.00	672.00	1,152.00
464500	464500	64,677.22	90,548.13	155,225.35	0.004789%			0.000000%	5,160.78	5,160.81	0.009028%	2,064.30	69,838.00	97,773.24	167,611.24
464600	464608	86,442.96	121,019.26	207,462.22	0.006400%			0.000000%	1,599.51	1,599.51	0.002798%	639.78	88,042.47	123,258.55	211,301.02
464700	464700	41,889.40	58,643.09	100,532.49	0.003101%	3,289.38	4,605.06	0.007691%	2,691.13	2,690.98	0.004707%	1,076.44	47,869.91	67,015.57	114,885.48
464700	464708	30,352.40	42,494.16	72,846.56	0.002247%	3,289.38	4,605.17	0.007691%	2,691.13	2,691.18	0.004708%	1,076.48	36,332.91	50,866.99	87,199.90
464800	464800	11,634.59	16,286.00	27,920.59	0.000861%			0.000000%			0.000000%	2.40	11,634.59	16,288.40	27,922.99
464900	464900	21,525.16	30,135.15	51,660.31	0.001594%			0.000000%			0.000000%		21,525.16	30,135.15	51,660.31
465000	465000	38,147.95	53,407.29	91,555.24	0.002824%			0.000000%	765.75	765.77	0.001340%	306.28	38,913.70	54,479.34	93,393.04
465100	465100	15,425.87	21,596.13	37,022.00	0.001142%			0.000000%	673.68	673.67	0.001178%	269.44	16,099.55	22,539.24	38,638.79
465200	465200	19,567.23	27,394.00	46,961.23	0.001449%			0.000000%			0.000000%		19,567.23	27,394.00	46,961.23
465300	465308	42,656.54	59,719.04	102,375.58	0.003158%			0.000000%			0.000000%		42,656.54	59,719.04	102,375.58
465400	465400	1,600.00	2,240.07	3,840.07	0.000118%			0.000000%	337.71	337.72	0.000591%	135.07	1,937.71	2,712.86	4,650.57
465500	465500	8,933.76	12,506.78	21,440.54	0.000661%			0.000000%	60.00	60.00	0.000105%	24.96	8,993.76	12,591.74	21,585.50
465600	465600	213.96	299.63	513.59	0.000016%			0.000000%			0.000000%		213.96	299.63	513.59
465700	465700	1,434.38	2,008.19	3,442.57	0.000106%			0.000000%			0.000000%		1,434.38	2,008.19	3,442.57
465800	465800	33,353.67	46,695.62	80,049.29	0.002469%			0.000000%			0.000000%		33,353.67	46,695.62	80,049.29
465900	465900	10,933.80	15,307.35	26,241.15	0.000810%	2,131.70	2,984.30	0.004984%			0.000000%		13,065.50	18,291.65	31,357.15
466100	466100	13,979.04	19,570.56	33,549.60	0.001035%			0.000000%			0.000000%		13,979.04	19,570.56	33,549.60
466300	466300				0.000000%			0.000000%			0.000000%				
466300	466308	39,002.36	54,603.17	93,605.53	0.002888%			0.000000%			0.000000%		39,002.36	54,603.17	93,605.53
466400	466400	120.00	168.00	288.00	0.000009%			0.000000%			0.000000%		120.00	168.00	288.00
466500	466500	4,689.47	6,565.30	11,254.77	0.000347%			0.000000%			0.000000%		4,689.47	6,565.30	11,254.77
466700	466700	79,711.51	111,596.22	191,307.73	0.005902%			0.000000%	6,371.42	6,371.38	0.011146%	2,548.60	86,082.93	120,516.20	206,599.13
467300	467300	4,845.50	6,783.78	11,629.28	0.000359%			0.000000%	694.67	694.71	0.001215%	277.83	5,540.17	7,756.32	13,296.49
467400	467400	37,374.64	52,323.83	89,698.47	0.002767%	294.53	412.34	0.000689%	1,713.13	1,713.13	0.002997%	685.24	39,382.30	55,134.54	94,516.84
467400	467408	65,032.17	91,044.96	156,077.13	0.004815%			0.000000%			0.000000%		65,032.17	91,044.96	156,077.13
467500	467500	13,391.27	18,747.83	32,139.10	0.000991%	720.00	1,008.00	0.001683%	720.00	720.00	0.001260%	288.00	14,831.27	20,763.83	35,595.10
467800	467800	80,978.14	113,369.01	194,347.15	0.005995%	480.00	672.00	0.001122%	6,563.60	6,563.59	0.011482%	2,625.40	88,021.74	123,230.00	211,251.74
467900	467900	8,421.46	11,789.86	20,211.32	0.000623%	98.70	138.18	0.000231%			0.000000%		8,520.16	11,928.04	20,448.20
468000	468008	41,438.20	58,013.61	99,451.81	0.003068%	4,075.40	5,705.56	0.009529%	1,253.07	1,253.08	0.002192%	501.22	46,766.67	65,473.47	112,240.14
468100	468100	21,910.51	30,597.52	52,508.03	0.001620%			0.000000%			0.000000%	77.18	21,910.51	30,674.70	52,585.21
468300	468300	33,260.69	46,564.58	79,825.27	0.002463%	1,043.20	1,460.48	0.002439%	5,103.50	5,103.51	0.008928%	2,041.39	39,407.39	55,169.96	94,577.35
468400	468400	12,718.40	17,806.11	30,524.51	0.000942%			0.000000%	1,065.00	1,065.00	0.001863%	426.00	13,783.40	19,297.11	33,080.51
468400	468408	74,901.69	104,861.83	179,763.52	0.005545%			0.000000%			0.000000%		74,901.69	104,861.83	179,763.52
468600	468600	1,378.36	1,929.77	3,308.13	0.000102%			0.000000%			0.000000%		1,378.36	1,929.77	3,308.13
468900	468900	117.00	163.80	280.80	0.000009%			0.000000%	238.50	238.51	0.000417%	95.39	355.50	497.70	853.20
469100	469100				0.000000%			0.000000%			0.000000%				
469100	469108	121,515.05	170,120.54	291,635.59	0.008997%	9,555.69	13,377.93	0.022342%	4,650.93	4,650.96	0.008136%	1,860.33	135,721.67	190,009.76	325,731.43
469200	469200	21,107.11	29,550.22	50,657.33	0.001563%	1,848.13	2,587.38	0.004321%	3,472.37	3,472.37	0.006074%	1,388.99	26,427.61	36,998.96	63,426.57
469200	469208	90,365.04	126,511.05	216,876.09	0.006690%	5,327.54	7,458.55	0.012456%			0.000000%		95,692.58	133,969.60	229,662.18
469300	469308	237,713.71	332,798.19	570,511.90	0.017600%	8,530.29	11,942.44	0.019945%	648.00	648.00	0.001134%	259.20	246,892.00	345,647.83	592,539.83
469400	469400	24,937.82	34,912.64	59,850.46	0.001846%			0.000000%			0.000000%		24,937.82	34,912.64	59,850.46

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
469500	469500	11,372.41	15,921.29	27,293.70	0.000842%			0.000000%	2,502.89	2,502.85	0.004378%	1,001.18	13,875.30	19,425.32	33,300.62
469600	469608	173,672.46	243,140.70	416,813.16	0.012858%	4,613.25	6,458.41	0.010786%	3,131.62	3,131.64	0.005478%	1,252.64	181,417.33	253,983.39	435,400.72
469700	469700	4,051.22	5,671.78	9,723.00	0.000300%			0.000000%			0.000000%		4,051.22	5,671.78	9,723.00
469800	469800	18,337.50	25,672.71	44,010.21	0.001358%			0.000000%			0.000000%		18,337.50	25,672.71	44,010.21
469900	469900	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
470100	470108	125,308.95	175,432.57	300,741.52	0.009277%	9,086.77	12,721.46	0.021246%	2,520.00	2,520.00	0.004408%	1,008.00	136,915.72	191,682.03	328,597.75
470200	470200	431.25	603.84	1,035.09	0.000032%			0.000000%			0.000000%		431.25	603.84	1,035.09
470300	470300	154,602.52	216,443.90	371,046.42	0.011446%	6,281.64	8,794.36	0.014687%	741.00	741.02	0.001296%	296.38	161,625.16	226,275.66	387,900.82
470500	470500	37,991.76	53,188.43	91,180.19	0.002813%			0.000000%			0.000000%		37,991.76	53,188.43	91,180.19
470700	470700	1,080.00	1,512.14	2,592.14	0.000080%			0.000000%			0.000000%		1,080.00	1,512.14	2,592.14
470800	470800	3,802.96	5,324.60	9,127.56	0.000282%			0.000000%			0.000000%		3,802.96	5,324.60	9,127.56
470900	470900	98,029.65	137,241.82	235,271.47	0.007258%	3,059.95	4,284.03	0.007155%	3,171.87	3,171.91	0.005549%	1,268.70	104,261.47	145,966.46	250,227.93
471000	471008	89,455.03	125,237.55	214,692.58	0.006623%			0.000000%			0.000000%		89,455.03	125,237.55	214,692.58
471100	471100	24,831.24	34,763.61	59,594.85	0.001838%			0.000000%			0.000000%		24,831.24	34,763.61	59,594.85
471300	471300	7,055.44	9,877.87	16,933.31	0.000522%			0.000000%			0.000000%		7,055.44	9,877.87	16,933.31
471600	471600	859.76	1,203.66	2,063.42	0.000064%			0.000000%			0.000000%		859.76	1,203.66	2,063.42
471700	471700	17,253.06	24,154.32	41,407.38	0.001277%			0.000000%	720.00	720.00	0.001260%	288.00	17,973.06	25,162.32	43,135.38
472000	472000	498.00	697.20	1,195.20	0.000037%			0.000000%			0.000000%		498.00	697.20	1,195.20
472100	472108	157,299.77	220,219.60	377,519.37	0.011646%	20,625.92	28,876.32	0.048226%	499.98	499.98	0.000875%	200.06	178,425.67	249,795.96	428,221.63
472200	472200	363.08	508.43	871.51	0.000027%			0.000000%			0.000000%		363.08	508.43	871.51
472300	472300	55,419.09	77,587.04	133,006.13	0.004103%	402.82	563.94	0.000942%	14,814.41	14,814.50	0.025916%	5,924.91	70,636.32	98,890.39	169,526.71
472500	472500	14,254.07	19,928.69	34,182.76	0.001054%			0.000000%	2,122.89	2,122.85	0.003714%	875.95	16,376.96	22,927.49	39,304.45
472600	472608	30,174.71	42,244.91	72,419.62	0.002234%			0.000000%			0.000000%		30,174.71	42,244.91	72,419.62
472700	472700	41,425.78	57,994.12	99,419.90	0.003067%			0.000000%	180.00	180.00	0.000315%	72.00	41,605.78	58,246.12	99,851.90
472700	472708	9,057.71	12,682.95	21,740.66	0.000671%			0.000000%			0.000000%		9,057.71	12,682.95	21,740.66
472800	472800	25,312.64	35,437.69	60,750.33	0.001874%	329.14	460.79	0.000770%			0.000000%		25,641.78	35,898.48	61,540.26
472800	472808	315.78	442.09	757.87	0.000023%			0.000000%			0.000000%		315.78	442.09	757.87
473000	473000	21,462.62	30,047.90	51,510.52	0.001589%			0.000000%	4,602.28	4,602.30	0.008051%	1,840.88	26,064.90	36,491.08	62,555.98
473300	473300	11,351.47	15,892.15	27,243.62	0.000840%			0.000000%			0.000000%		11,351.47	15,892.15	27,243.62
473400	473408	9,467.87	13,254.95	22,722.82	0.000701%			0.000000%			0.000000%		9,467.87	13,254.95	22,722.82
473500	473508	340,721.97	477,010.13	817,732.10	0.025226%	10,509.73	14,713.49	0.024573%	14,171.76	14,171.72	0.024791%	5,668.74	365,403.46	511,564.08	876,967.54
473600	473600	40,669.52	56,936.62	97,606.14	0.003011%	2,893.47	4,050.86	0.006765%	2,839.20	2,839.20	0.004967%	1,135.68	46,402.19	64,962.36	111,364.55
473700	473700	48,058.94	67,282.41	115,341.35	0.003558%	1,405.20	1,967.28	0.003286%			0.000000%		49,464.14	69,249.69	118,713.83
473800	473800	1,020.00	1,428.07	2,448.07	0.000076%			0.000000%			0.000000%		1,020.00	1,428.07	2,448.07
473900	473900	78,495.17	109,892.81	188,387.98	0.005812%	5,100.66	7,140.98	0.011926%			0.000000%		83,595.83	117,033.79	200,629.62
474000	474000	660.00	924.35	1,584.35	0.000049%			0.000000%			0.000000%		660.00	924.35	1,584.35
474100	474100	6,074.90	8,504.93	14,579.83	0.000450%			0.000000%			0.000000%		6,074.90	8,504.93	14,579.83
474300	474300	14,344.94	20,082.87	34,427.81	0.001062%			0.000000%			0.000000%		14,344.94	20,082.87	34,427.81
474500	474500	11,198.50	15,690.51	26,889.01	0.000829%			0.000000%			0.000000%	(12.83)	11,198.50	15,677.68	26,876.18
474600	474600	48,572.09	68,000.57	116,572.66	0.003596%			0.000000%			0.000000%		48,572.09	68,000.57	116,572.66
474700	474700	22,600.45	31,640.38	54,240.83	0.001673%			0.000000%	2,594.60	2,594.64	0.004539%	1,037.80	25,195.05	35,272.82	60,467.87
474800	474800	1,193.75	1,671.40	2,865.15	0.000088%			0.000000%			0.000000%		1,193.75	1,671.40	2,865.15
474900	474900	50,708.68	70,991.74	121,700.42	0.003754%			0.000000%			0.000000%		50,708.68	70,991.74	121,700.42
474900	474908	5,500.04	7,700.02	13,200.06	0.000407%			0.000000%			0.000000%		5,500.04	7,700.02	13,200.06
475100	475100	3,611.42	5,055.93	8,667.35	0.000267%			0.000000%			0.000000%		3,611.42	5,055.93	8,667.35
475200	475200	894.43	1,252.38	2,146.81	0.000066%			0.000000%	206.80	206.85	0.000362%	82.67	1,101.23	1,541.90	2,643.13
475300	475300	5,277.33	7,388.29	12,665.62	0.000391%			0.000000%			0.000000%		5,277.33	7,388.29	12,665.62
475400	475400	1,275.00	1,785.43	3,060.43	0.000094%			0.000000%			0.000000%		1,275.00	1,785.43	3,060.43
475500	475500	43,429.20	60,800.56	104,229.76	0.003215%			0.000000%	765.86	765.83	0.001340%	306.35	44,195.06	61,872.74	106,067.80
475600	475600	20,280.11	28,392.14	48,672.25	0.001501%			0.000000%			0.000000%		20,280.11	28,392.14	48,672.25
475700	475700	26,348.68	36,888.28	63,236.96	0.001951%			0.000000%			0.000000%		26,348.68	36,888.28	63,236.96
475800	475800	65,173.04	91,242.18	156,415.22	0.004825%	15,438.95	21,614.32	0.036098%	2,261.19	2,261.20	0.003956%	904.45	82,873.18	116,022.15	198,895.33
475900	475908	191,451.84	268,032.77	459,484.61	0.014175%	993.75	1,391.25	0.002324%	25,419.67	25,419.68	0.044468%	10,167.91	217,865.26	305,011.61	522,876.87
476100	476100	5,023.76	7,033.16	12,056.92	0.000372%			0.000000%			0.000000%		5,023.76	7,033.16	12,056.92
476200	476200	13,742.69	19,239.70	32,982.39	0.001017%			0.000000%			0.000000%		13,742.69	19,239.70	32,982.39
476300	476300	4,059.85	5,683.80	9,743.65	0.000301%			0.000000%			0.000000%		4,059.85	5,683.80	9,743.65
476400	476400	16,243.86	22,741.58	38,985.44	0.001203%			0.000000%			0.000000%		16,243.86	22,741.58	38,985.44
476600	476600	4,701.27	6,581.85	11,283.12	0.000348%			0.000000%			0.000000%		4,701.27	6,581.85	11,283.12
476800	476800	8,272.28	11,581.03	19,853.31	0.000612%			0.000000%	1,485.72	1,485.72	0.002599%	594.24	9,758.00	13,660.99	23,418.99
477000	477000	4,649.51	6,509.39	11,158.90	0.000344%			0.000000%			0.000000%		4,649.51	6,509.39	11,158.90
477300	477308	275,625.02	385,874.60	661,499.62	0.020406%			0.000000%	3,909.99	3,909.98	0.006840%	1,564.25	279,535.01	391,348.83	670,883.84
477400	477408	28,036.78	39,251.60	67,288.38	0.002076%			0.000000%			0.000000%		28,036.78	39,251.60	67,288.38
477500	477508	80,422.03	112,590.61	193,012.64	0.005954%	756.00	1,058.40	0.001768%	242.92	242.93	0.000425%	97.15	81,420.95	113,989.09	195,410.04

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
477600	477600	51,972.51	72,761.04	124,733.55	0.003848%	7,760.62	10,864.88	0.018145%			0.000000%		59,733.13	83,625.92	143,359.05
477700	477700	6,660.65	9,324.95	15,985.60	0.000493%			0.000000%			0.000000%		6,660.65	9,324.95	15,985.60
477800	477800	1,300.07	1,819.98	3,120.05	0.000096%			0.000000%			0.000000%		1,300.07	1,819.98	3,120.05
477900	477900	579.96	812.11	1,392.07	0.000043%			0.000000%			0.000000%		579.96	812.11	1,392.07
478000	478008	122,209.37	171,068.55	293,277.92	0.009047%	7,084.41	9,918.24	0.016564%	8,747.16	8,747.28	0.015302%	3,523.97	138,040.94	193,258.04	331,298.98
478100	478100	574.08	803.84	1,377.92	0.000043%			0.000000%			0.000000%		574.08	803.84	1,377.92
478200	478200	9,809.56	13,733.33	23,542.89	0.000726%			0.000000%			0.000000%		9,809.56	13,733.33	23,542.89
478300	478308	17,548.03	24,567.49	42,115.52	0.001299%			0.000000%	8,814.20	8,814.33	0.015419%	3,525.54	26,362.23	36,907.36	63,269.59
478400	478400	600.00	840.00	1,440.00	0.000044%	480.00	672.00	0.001122%			0.000000%		1,080.00	1,512.00	2,592.00
478700	478700	21,370.19	29,918.48	51,288.67	0.001582%			0.000000%			0.000000%		21,370.19	29,918.48	51,288.67
478800	478800	28,118.20	39,365.53	67,483.73	0.002082%	2,576.08	3,606.49	0.006023%			0.000000%		30,694.28	42,972.02	73,666.30
478900	478900	573.96	803.92	1,377.88	0.000043%			0.000000%			0.000000%		573.96	803.92	1,377.88
479000	479000	1,990.60	2,786.95	4,777.55	0.000147%			0.000000%			0.000000%		1,990.60	2,786.95	4,777.55
479100	479100	5,484.22	7,677.94	13,162.16	0.000406%	4,036.93	5,651.70	0.009439%			0.000000%		9,521.15	13,329.64	22,850.79
479200	479200	3,311.08	4,635.47	7,946.55	0.000245%			0.000000%			0.000000%		3,311.08	4,635.47	7,946.55
479300	479300	21,750.57	30,450.61	52,201.18	0.001610%	82.50	115.50	0.000193%			0.000000%		21,833.07	30,566.11	52,399.18
479400	479400	6,318.84	8,795.54	15,114.38	0.000466%			0.000000%			0.000000%	51.00	6,318.84	8,846.54	15,165.38
479500	479500	2,159.90	3,078.30	5,238.20	0.000162%			0.000000%			0.000000%	(54.45)	2,159.90	3,023.85	5,183.75
479600	479600	22,814.47	31,940.34	54,754.81	0.001689%			0.000000%	1,494.58	1,494.60	0.002615%	597.80	24,309.05	34,032.74	58,341.79
479800	479808	157,296.17	220,214.96	377,511.13	0.011646%			0.000000%	480.00	480.00	0.000840%	192.00	157,776.17	220,886.96	378,663.13
479900	479908	57,126.85	79,977.20	137,104.05	0.004229%	2,195.35	3,073.50	0.005133%	2,253.55	2,253.55	0.003942%	901.33	61,575.75	86,205.58	147,781.33
480000	480000	20,329.21	28,461.15	48,790.36	0.001505%			0.000000%	7,740.36	7,740.38	0.013541%	3,096.06	28,069.57	39,297.59	67,367.16
480100	480100	5,466.34	7,652.77	13,119.11	0.000405%			0.000000%	163.28	163.29	0.000286%	65.30	5,629.62	7,881.36	13,510.98
480500	480500	13,686.31	19,160.72	32,847.03	0.001013%			0.000000%			0.000000%		13,686.31	19,160.72	32,847.03
480600	480600	475.20	665.28	1,140.48	0.000035%			0.000000%			0.000000%		475.20	665.28	1,140.48
480800	480800	22,744.45	31,842.19	54,586.64	0.001684%			0.000000%			0.000000%		22,744.45	31,842.19	54,586.64
480900	480900	15,247.66	21,346.77	36,594.43	0.001129%			0.000000%			0.000000%		15,247.66	21,346.77	36,594.43
480900	480908	8,208.24	11,491.37	19,699.61	0.000608%			0.000000%			0.000000%		8,208.24	11,491.37	19,699.61
481000	481000	2,151.98	3,012.80	5,164.78	0.000159%			0.000000%			0.000000%		2,151.98	3,012.80	5,164.78
481100	481100	18,680.68	26,153.14	44,833.82	0.001383%			0.000000%	1,541.18	1,541.19	0.002696%	616.43	20,221.86	28,310.76	48,532.62
481200	481200	1,734.69	2,428.63	4,163.32	0.000128%			0.000000%			0.000000%		1,734.69	2,428.63	4,163.32
481300	481300	14,373.54	20,123.15	34,496.69	0.001064%			0.000000%			0.000000%		14,373.54	20,123.15	34,496.69
481400	481400	17,539.79	24,555.77	42,095.56	0.001299%			0.000000%			0.000000%		17,539.79	24,555.77	42,095.56
481400	481408	87,266.32	122,171.84	209,438.16	0.006461%			0.000000%	6,586.74	6,586.72	0.011522%	2,634.70	93,853.06	131,393.26	225,246.32
481500	481500	7,004.00	9,805.77	16,809.77	0.000519%			0.000000%			0.000000%		7,004.00	9,805.77	16,809.77
481700	481708	4,523.71	6,333.68	10,857.39	0.000335%	27.00	37.80	0.000063%	245.95	245.97	0.000430%	98.36	4,796.66	6,715.81	11,512.47
481800	481808	110,563.82	154,789.70	265,353.52	0.008186%	600.00	840.00	0.001403%			0.000000%		111,163.82	155,629.70	266,793.52
482200	482200	7,023.80	9,833.41	16,857.21	0.000520%			0.000000%			0.000000%		7,023.80	9,833.41	16,857.21
482300	482308	125,655.47	175,918.08	301,573.55	0.009303%	13,670.31	19,138.47	0.031963%	8,696.52	8,696.51	0.015213%	3,478.53	148,022.30	207,231.59	355,253.89
482500	482500	1,851.25	2,591.75	4,443.00	0.000137%			0.000000%	30.00	30.12	0.000053%	11.88	1,881.25	2,633.75	4,515.00
482600	482600	17,522.71	24,531.62	42,054.33	0.001297%			0.000000%			0.000000%		17,522.71	24,531.62	42,054.33
482700	482708	13,279.03	18,590.59	31,869.62	0.000983%			0.000000%	2,453.53	2,453.53	0.004292%	981.41	15,732.56	22,025.53	37,758.09
482800	482800	18,185.39	25,459.44	43,644.83	0.001346%			0.000000%	1,769.20	1,769.20	0.003095%	707.66	19,954.59	27,936.30	47,890.89
482900	482908	69,577.34	97,408.48	166,985.82	0.005151%	300.00	420.00	0.000701%	7,472.72	7,472.73	0.013072%	2,989.12	77,350.06	108,290.33	185,640.39
483200	483200	6,800.57	9,520.78	16,321.35	0.000503%			0.000000%			0.000000%		6,800.57	9,520.78	16,321.35
483300	483300	16,020.46	22,428.52	38,448.98	0.001186%	3,348.17	4,687.41	0.007828%			0.000000%		19,368.63	27,115.93	46,484.56
483500	483500	29,631.71	41,484.40	71,116.11	0.002194%			0.000000%			0.000000%		29,631.71	41,484.40	71,116.11
483700	483700	29,416.41	41,182.21	70,598.62	0.002178%	602.75	843.85	0.001409%	331.80	331.80	0.000580%	132.72	30,350.96	42,490.58	72,841.54
483800	483800	35,844.39	50,182.00	86,026.39	0.002654%			0.000000%			0.000000%		35,844.39	50,182.00	86,026.39
483900	483900	27,971.67	39,159.85	67,131.52	0.002071%	766.76	1,073.39	0.001793%			0.000000%		28,738.43	40,233.24	68,971.67
484100	484108	8,722.49	12,211.41	20,933.90	0.000646%			0.000000%	4,318.15	4,318.14	0.007554%	1,727.24	13,040.64	18,256.79	31,297.43
484200	484200	11,515.99	16,122.94	27,638.93	0.000853%			0.000000%			0.000000%		11,515.99	16,122.94	27,638.93
484300	484300	59,462.75	83,247.81	142,710.56	0.004402%			0.000000%			0.000000%		59,462.75	83,247.81	142,710.56
484400	484400	70,968.20	99,355.42	170,323.62	0.005254%			0.000000%	240.00	240.00	0.000420%	96.00	71,208.20	99,691.42	170,899.62
484500	484508	60,448.19	84,627.49	145,075.68	0.004475%			0.000000%			0.000000%		60,448.19	84,627.49	145,075.68
484600	484600	1,787.50	2,502.85	4,290.35	0.000132%			0.000000%			0.000000%		1,787.50	2,502.85	4,290.35
484700	484700	2,456.68	3,439.37	5,896.05	0.000182%			0.000000%			0.000000%		2,456.68	3,439.37	5,896.05
484800	484800	2,358.25	3,284.39	5,642.64	0.000174%			0.000000%			0.000000%	17.43	2,358.25	3,301.82	5,660.07
484900	484900	31,884.00	44,636.05	76,520.05	0.002361%			0.000000%			0.000000%		31,884.00	44,636.05	76,520.05
485000	485000	2,085.96	2,920.32	5,006.28	0.000154%			0.000000%			0.000000%		2,085.96	2,920.32	5,006.28
485100	485100	23,178.89	32,450.57	55,629.46	0.001716%	240.00	336.00	0.000561%			0.000000%		23,418.89	32,786.57	56,205.46
485200	485200	40,859.07	56,798.95	97,658.02	0.003013%			0.000000%			0.000000%	403.29	40,859.07	57,202.24	98,061.31
485300	485300	50,442.00	70,617.91	121,059.91	0.003735%			0.000000%	470.25	470.23	0.000823%	188.13	50,912.25	71,276.27	122,188.52

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
485300	485308	333,754.79	467,256.77	801,011.56	0.024710%	14,455.75	20,237.85	0.033799%	16,684.41	16,684.32	0.029187%	6,673.73	364,894.95	510,852.67	875,747.62
485500	485508	6,265.68	8,771.79	15,037.47	0.000464%			0.000000%			0.000000%		6,265.68	8,771.79	15,037.47
485700	485700	8,447.21	11,826.41	20,273.62	0.000625%			0.000000%			0.000000%		8,447.21	11,826.41	20,273.62
485800	485800	1,097.57	1,536.58	2,634.15	0.000081%			0.000000%			0.000000%		1,097.57	1,536.58	2,634.15
485900	485908	47,510.41	66,514.92	114,025.33	0.003518%	635.00	889.00	0.001485%			0.000000%		48,145.41	67,403.92	115,549.33
486000	486000	43,981.37	61,575.07	105,556.44	0.003256%			0.000000%			0.000000%		43,981.37	61,575.07	105,556.44
486200	486200	28,241.13	39,537.46	67,778.59	0.002091%	851.25	1,191.75	0.001990%			0.000000%		29,092.38	40,729.21	69,821.59
486300	486300	49,889.16	69,848.65	119,737.81	0.003694%	3,209.34	4,493.08	0.007504%	5,743.36	5,743.35	0.010047%	2,293.46	58,841.86	82,378.54	141,220.40
486400	486400	14,835.56	20,769.35	35,604.91	0.001098%			0.000000%			0.000000%		14,835.56	20,769.35	35,604.91
486500	486500	1,329.40	1,850.71	3,180.11	0.000098%			0.000000%	53.90	53.93	0.000094%	31.97	1,383.30	1,936.61	3,319.91
486600	486600	74,786.19	104,700.40	179,486.59	0.005537%	1,373.69	1,923.17	0.003212%			0.000000%		76,159.88	106,623.57	182,783.45
486700	486708	58,669.49	82,141.78	140,811.27	0.004344%	11,356.71	15,895.23	0.026546%	3,392.36	3,392.42	0.005935%	1,356.88	73,418.56	102,786.31	176,204.87
486800	486800	23,544.23	32,961.53	56,505.76	0.001743%			0.000000%			0.000000%		23,544.23	32,961.53	56,505.76
486900	486900	1,714.00	2,399.60	4,113.60	0.000127%			0.000000%			0.000000%		1,714.00	2,399.60	4,113.60
487000	487000	10,721.15	15,009.92	25,731.07	0.000794%			0.000000%			0.000000%		10,721.15	15,009.92	25,731.07
487100	487100	2,165.50	3,031.77	5,197.27	0.000160%			0.000000%			0.000000%		2,165.50	3,031.77	5,197.27
487200	487200	5,874.33	8,224.32	14,098.65	0.000435%			0.000000%			0.000000%		5,874.33	8,224.32	14,098.65
487300	487300	12,365.13	17,311.40	29,676.53	0.000915%			0.000000%			0.000000%		12,365.13	17,311.40	29,676.53
487400	487400	27,090.66	37,926.81	65,017.47	0.002006%			0.000000%	25.50	25.51	0.000045%	10.17	27,116.16	37,962.49	65,078.65
487500	487500	30,743.42	43,040.97	73,784.39	0.002276%			0.000000%	2,857.13	2,857.20	0.004998%	1,142.82	33,600.55	47,040.99	80,641.54
487700	487700	3,076.11	4,306.53	7,382.64	0.000228%			0.000000%			0.000000%		3,076.11	4,306.53	7,382.64
487800	487800	19,082.07	26,715.05	45,797.12	0.001413%			0.000000%			0.000000%		19,082.07	26,715.05	45,797.12
488000	488000	298.50	417.96	716.46	0.000022%			0.000000%			0.000000%		298.50	417.96	716.46
488200	488200	4,454.80	6,236.79	10,691.59	0.000330%			0.000000%			0.000000%		4,454.80	6,236.79	10,691.59
488400	488400	20,995.97	29,394.14	50,390.11	0.001554%			0.000000%			0.000000%		20,995.97	29,394.14	50,390.11
488500	488500	3,814.50	5,340.44	9,154.94	0.000282%			0.000000%			0.000000%		3,814.50	5,340.44	9,154.94
488600	488600	3,182.30	4,455.25	7,637.55	0.000236%			0.000000%			0.000000%		3,182.30	4,455.25	7,637.55
488700	488708	130,784.01	183,096.52	313,880.53	0.009683%			0.000000%			0.000000%		130,784.01	183,096.52	313,880.53
488800	488800	20,368.41	28,516.69	48,885.10	0.001508%			0.000000%			0.000000%		20,368.41	28,516.69	48,885.10
489400	489400	41,566.65	58,193.35	99,760.00	0.003077%			0.000000%	1,510.16	1,510.17	0.002642%	604.05	43,076.81	60,307.57	103,384.38
489500	489508	219,447.36	307,340.87	526,788.23	0.016251%	4,857.61	6,683.94	0.011163%	7,475.04	7,474.91	0.013076%	2,989.99	231,780.01	324,489.71	556,269.72
489600	489600	1,355.08	1,897.34	3,252.42	0.000100%			0.000000%			0.000000%		1,355.08	1,897.34	3,252.42
489800	489800	4,047.87	5,667.14	9,715.01	0.000300%			0.000000%			0.000000%		4,047.87	5,667.14	9,715.01
489900	489900				0.000000%	390.00	546.00	0.000912%			0.000000%		390.00	546.00	936.00
490000	490000	8,829.17	12,360.79	21,189.96	0.000654%			0.000000%	1,300.00	1,300.00	0.002274%	520.00	10,129.17	14,180.79	24,309.96
490200	490208	4,231.68	5,924.39	10,156.07	0.000313%			0.000000%	1,650.00	1,650.12	0.002887%	659.88	5,881.68	8,234.39	14,116.07
490300	490308	124,498.58	174,297.69	298,796.27	0.009217%	4,215.20	5,901.28	0.009856%	8,321.86	8,321.85	0.014558%	3,328.64	137,035.64	191,849.46	328,885.10
490400	490400	17,288.16	24,203.89	41,492.05	0.001280%	1,320.00	1,848.00	0.003086%			0.000000%		18,608.16	26,051.89	44,660.05
490500	490500	3,197.50	4,476.50	7,674.00	0.000237%			0.000000%			0.000000%		3,197.50	4,476.50	7,674.00
490600	490600	18,620.03	26,068.24	44,688.27	0.001379%	388.76	544.26	0.000909%			0.000000%		19,008.79	26,612.50	45,621.29
490700	490700	17,766.75	24,873.40	42,640.15	0.001315%			0.000000%			0.000000%		17,766.75	24,873.40	42,640.15
490800	490800	1,899.46	2,659.20	4,558.66	0.000141%			0.000000%			0.000000%		1,899.46	2,659.20	4,558.66
490800	490808	24,363.45	34,109.00	58,472.45	0.001804%			0.000000%			0.000000%		24,363.45	34,109.00	58,472.45
490900	490900	29,097.80	40,737.21	69,835.01	0.002154%	924.39	1,294.14	0.002161%	720.00	720.00	0.001260%	288.00	30,742.19	43,039.35	73,781.54
491000	491000	1,500.00	2,100.00	3,600.00	0.000111%			0.000000%	88.20	88.20	0.000154%	35.28	1,588.20	2,223.48	3,811.68
491200	491200	17,841.61	24,978.17	42,819.78	0.001321%			0.000000%			0.000000%		17,841.61	24,978.17	42,819.78
491300	491308	80,906.31	113,268.58	194,174.89	0.005990%	9,548.28	13,367.50	0.022325%	1,069.20	1,069.32	0.001871%	427.56	91,523.79	128,132.96	219,656.75
491400	491408	189,746.78	265,645.28	455,392.06	0.014048%			0.000000%	11,538.22	11,538.22	0.020184%	4,615.33	201,285.00	281,798.83	483,083.83
491600	491600	10,893.66	15,250.83	26,144.49	0.000807%	122.03	170.76	0.000285%			0.000000%		11,015.69	15,421.59	26,437.28
491700	491700	8,550.05	11,969.72	20,519.77	0.000633%			0.000000%			0.000000%		8,550.05	11,969.72	20,519.77
491800	491800	16,842.74	23,579.74	40,422.48	0.001247%	3,836.78	5,371.48	0.008971%			0.000000%		20,679.52	28,951.22	49,630.74
491900	491908	37,404.49	52,381.34	89,785.83	0.002770%			0.000000%	1,543.46	1,543.47	0.002700%	602.07	38,947.95	54,526.88	93,474.83
492000	492008	197,454.12	276,435.48	473,889.60	0.014619%	8,462.66	11,847.77	0.019787%	6,850.52	6,850.51	0.011984%	2,740.21	212,767.30	297,873.97	510,641.27
492100	492108	31,519.64	44,127.26	75,646.90	0.002334%			0.000000%			0.000000%		31,519.64	44,127.26	75,646.90
492200	492200	737.00	1,031.80	1,768.80	0.000055%			0.000000%			0.000000%		737.00	1,031.80	1,768.80
492400	492408	142,539.58	199,554.04	342,093.62	0.010553%	6,791.59	9,508.20	0.015880%			0.000000%		149,331.17	209,062.24	358,393.41
492500	492500	500.04	700.03	1,200.07	0.000037%			0.000000%			0.000000%		500.04	700.03	1,200.07
492600	492600	780.48	1,092.72	1,873.20	0.000058%	1,149.96	1,610.04	0.002689%			0.000000%		1,930.44	2,702.76	4,633.20
493000	493000	25,908.88	36,272.48	62,181.36	0.001918%	417.46	584.44	0.000976%	205.40	205.32	0.000359%	82.24	26,531.74	37,144.48	63,676.22
493100	493100	5,465.21	7,651.48	13,116.69	0.000405%	1,792.77	2,509.80	0.004192%			0.000000%		7,257.98	10,161.28	17,419.26
493200	493200	33,117.88	46,364.80	79,482.68	0.002452%	5,705.87	7,988.24	0.013341%	744.15	744.17	0.001302%	297.64	39,567.90	55,394.85	94,962.75
493300	493308	116,670.09	163,337.50	280,007.59	0.008638%	1,992.96	2,790.09	0.004660%			0.000000%		118,663.05	166,127.59	284,790.64
493400	493400	850.08	1,189.92	2,040.00	0.000063%			0.000000%			0.000000%		850.08	1,189.92	2,040.00

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
493500	493508	8,260.12	11,564.07	19,824.19	0.000612%			0.000000%			0.000000%		8,260.12	11,564.07	19,824.19
493600	493608	62,888.62	88,043.98	150,932.60	0.004656%			0.000000%			0.000000%		62,888.62	88,043.98	150,932.60
493700	493700	16,089.37	22,524.75	38,614.12	0.001191%			0.000000%			0.000000%	(0.01)	16,089.37	22,524.74	38,614.11
493800	493800	466.36	695.43	1,161.79	0.000036%			0.000000%			0.000000%	(42.61)	466.36	652.82	1,119.18
493900	493900	734.00	1,027.60	1,761.60	0.000054%			0.000000%			0.000000%		734.00	1,027.60	1,761.60
494100	494100	374.85	524.79	899.64	0.000028%			0.000000%			0.000000%		374.85	524.79	899.64
494200	494200	32,473.18	45,462.19	77,935.37	0.002404%			0.000000%			0.000000%		32,473.18	45,462.19	77,935.37
494300	494300	13,827.12	19,355.55	33,182.67	0.001024%	45.30	63.42	0.000106%	170.04	170.03	0.000297%	67.93	14,042.46	19,656.93	33,699.39
494300	494308	74,117.60	103,767.83	177,885.43	0.005488%	407.70	570.78	0.000953%	1,530.00	1,530.10	0.002677%	611.90	76,055.30	106,480.61	182,535.91
494400	494400	24,965.22	34,951.53	59,916.75	0.001848%	7,716.50	10,803.12	0.018042%			0.000000%		32,681.72	45,754.65	78,436.37
494800	494800	14,299.44	20,019.52	34,318.96	0.001059%			0.000000%			0.000000%		14,299.44	20,019.52	34,318.96
494900	494900	13,727.00	19,217.95	32,944.95	0.001016%			0.000000%	2,699.89	2,699.90	0.004723%	1,079.94	16,426.89	22,997.79	39,424.68
494900	494908	74,758.24	104,661.53	179,419.77	0.005535%			0.000000%	1,940.20	1,940.20	0.003394%	776.06	76,698.44	107,377.79	184,076.23
495000	495000	2,412.75	3,324.53	5,737.28	0.000177%			0.000000%			0.000000%	53.36	2,412.75	3,377.89	5,790.64
495100	495100	68,254.98	95,556.69	163,811.67	0.005053%			0.000000%			0.000000%		68,254.98	95,556.69	163,811.67
495100	495108	5,130.00	7,182.14	12,312.14	0.000380%			0.000000%	600.00	600.00	0.001050%	240.00	5,730.00	8,022.14	13,752.14
495200	495200	390.00	543.00	933.00	0.000029%			0.000000%			0.000000%	3.00	390.00	546.00	936.00
495400	495400	36,949.37	51,729.45	88,678.82	0.002736%			0.000000%	360.00	360.00	0.000630%	144.00	37,309.37	52,233.45	89,542.82
495500	495500	6,574.13	9,203.83	15,777.96	0.000487%	305.00	427.00	0.000713%			0.000000%		6,879.13	9,630.83	16,509.96
495800	495800	7,613.71	10,663.41	18,277.12	0.000564%			0.000000%			0.000000%	(4.00)	7,613.71	10,659.41	18,273.12
495900	495900	4,056.17	5,678.40	9,734.57	0.000300%			0.000000%			0.000000%		4,056.17	5,678.40	9,734.57
496000	496000	12,536.83	17,551.29	30,088.12	0.000928%			0.000000%			0.000000%		12,536.83	17,551.29	30,088.12
496100	496100	28,058.21	39,281.44	67,339.65	0.002077%	4,762.04	6,666.88	0.011134%	5,255.46	5,255.54	0.009194%	2,102.12	38,075.71	53,305.98	91,381.69
496200	496200	102,838.63	143,973.67	246,812.30	0.007614%	4,168.58	5,836.02	0.009747%			0.000000%		107,007.21	149,809.69	256,816.90
496300	496300	3,775.60	5,285.96	9,061.56	0.000280%			0.000000%			0.000000%		3,775.60	5,285.96	9,061.56
496400	496400	48,976.86	68,567.80	117,544.66	0.003626%			0.000000%	723.00	723.02	0.001265%	289.18	49,699.86	69,580.00	119,279.86
496600	496600	1,093.07	1,530.45	2,623.52	0.000081%			0.000000%			0.000000%		1,093.07	1,530.45	2,623.52
496800	496808	175,671.26	245,940.14	421,611.40	0.013006%			0.000000%	6,720.15	6,720.13	0.011756%	2,688.06	182,391.41	255,348.33	437,739.74
496900	496900	660.36	924.53	1,584.89	0.000049%			0.000000%			0.000000%		660.36	924.53	1,584.89
497000	497000	22,307.42	31,230.86	53,538.28	0.001652%			0.000000%	40.00	40.00	0.000070%	16.00	22,347.42	31,286.86	53,634.28
497100	497100	3,360.83	4,680.62	8,041.45	0.000248%			0.000000%			0.000000%	24.60	3,360.83	4,705.22	8,066.05
497200	497200	650.00	910.02	1,560.02	0.000048%			0.000000%			0.000000%		650.00	910.02	1,560.02
497300	497300				0.000000%			0.000000%	504.00	504.00	0.000882%	201.60	504.00	705.60	1,209.60
497500	497508	107,662.67	150,729.66	258,392.33	0.007971%	3,057.11	4,279.97	0.007148%			0.000000%	(2.40)	110,719.78	155,007.23	265,727.01
497600	497600	78,105.60	109,347.79	187,453.39	0.005783%			0.000000%			0.000000%		78,105.60	109,347.79	187,453.39
497700	497700	1,790.13	2,506.24	4,296.37	0.000133%			0.000000%			0.000000%		1,790.13	2,506.24	4,296.37
500100	500100	15,285.32	21,399.70	36,685.02	0.001132%			0.000000%			0.000000%		15,285.32	21,399.70	36,685.02
500300	500300	46,333.08	64,866.21	111,199.29	0.003430%	654.07	915.70	0.001529%	4,053.35	4,053.54	0.007091%	1,621.31	51,040.50	71,456.76	122,497.26
500300	500308	1,167,250.11	1,634,129.13	2,801,379.24	0.086419%	21,790.19	30,505.29	0.050947%	42,725.80	42,725.23	0.074742%	17,089.83	1,231,766.10	1,724,449.48	2,956,215.58
500700	500700	13,453.39	18,834.55	32,287.94	0.000996%			0.000000%	720.00	720.00	0.001260%	288.00	14,173.39	19,842.55	34,015.94
500800	500800	3,327.79	4,658.90	7,986.69	0.000246%			0.000000%			0.000000%		3,327.79	4,658.90	7,986.69
500900	500908	98,894.45	138,452.14	237,346.59	0.007322%			0.000000%	1,872.00	1,872.00	0.003275%	748.80	100,766.45	141,072.94	241,839.39
501100	501108	54,079.30	75,710.91	129,790.21	0.004004%			0.000000%	892.29	892.32	0.001561%	356.90	54,971.59	76,960.13	131,931.72
501300	501300	16,023.19	22,431.60	38,454.79	0.001186%			0.000000%	1,765.54	1,765.56	0.003089%	707.32	17,788.73	24,904.48	42,693.21
501500	501500	11,853.24	16,594.41	28,447.65	0.000878%			0.000000%	3,955.20	3,955.20	0.006919%	1,582.08	15,808.44	22,131.69	37,940.13
501700	501700	19,768.41	27,675.79	47,444.20	0.001464%			0.000000%	844.40	844.40	0.001477%	337.75	20,612.81	28,857.94	49,470.75
501900	501908	56,394.26	78,952.09	135,346.35	0.004175%	3,622.48	5,071.64	0.008470%			0.000000%		60,016.74	84,023.73	144,040.47
502100	502100	10,652.42	14,913.29	25,565.71	0.000789%	2,241.89	3,138.65	0.005242%			0.000000%		12,894.31	18,051.94	30,946.25
502300	502308	87,467.78	122,454.60	209,922.38	0.006476%	978.23	1,369.51	0.002287%	7,956.08	7,956.08	0.013918%	3,182.41	96,402.09	134,962.60	231,364.69
502500	502500	28,884.71	40,438.35	69,323.06	0.002139%			0.000000%			0.000000%		28,884.71	40,438.35	69,323.06
502900	502900	11,502.98	16,103.83	27,606.81	0.000852%			0.000000%			0.000000%		11,502.98	16,103.83	27,606.81
503100	503108	118,838.68	166,378.85	285,217.53	0.008799%	11,492.26	16,088.89	0.026870%	6,965.46	6,965.63	0.012185%	2,780.67	137,296.40	192,214.04	329,510.44
504300	504308	73,706.01	103,188.09	176,894.10	0.005457%			0.000000%	3,445.26	3,445.28	0.006027%	1,378.10	77,151.27	108,011.47	185,162.74
504500	504508	28,695.74	40,174.10	68,869.84	0.002125%			0.000000%			0.000000%		28,695.74	40,174.10	68,869.84
504700	504700	371,770.69	520,478.51	892,249.20	0.027525%	10,825.73	15,156.16	0.025312%	13,615.55	13,615.44	0.023818%	5,446.25	396,211.97	554,696.36	950,908.33
505100	505100	21,247.68	29,746.55	50,994.23	0.001573%			0.000000%			0.000000%		21,247.68	29,746.55	50,994.23
505700	505700	3,564.73	4,990.52	8,555.25	0.000264%			0.000000%			0.000000%		3,564.73	4,990.52	8,555.25
505900	505900	61,157.42	85,620.48	146,777.90	0.004528%	452.14	632.94	0.001057%			0.000000%		61,609.56	86,253.42	147,862.98
506100	506100	33,084.27	46,317.91	79,402.18	0.002449%			0.000000%			0.000000%		33,084.27	46,317.91	79,402.18
506300	506300				0.000000%			0.000000%			0.000000%				
506300	506308	28,760.61	40,264.83	69,025.44	0.002129%	1,242.61	1,739.62	0.002905%	6,262.50	6,262.62	0.010956%	2,505.08	36,265.72	50,772.15	87,037.87
506500	506500	5,657.59	7,920.56	13,578.15	0.000419%			0.000000%			0.000000%		5,657.59	7,920.56	13,578.15
506700	506708	130,600.93	182,840.67	313,441.60	0.009669%			0.000000%	12,747.41	12,747.53	0.022300%	5,099.00	143,348.34	200,687.20	344,035.54

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
506900	506900	30,876.40	43,227.01	74,103.41	0.002286%			0.000000%			0.000000%		30,876.40	43,227.01	74,103.41
507100	507100	4,500.96	6,301.33	10,802.29	0.000333%	1,614.78	2,260.67	0.003776%			0.000000%		6,115.74	8,562.00	14,677.74
507300	507308	16,433.81	23,006.90	39,440.71	0.001217%			0.000000%	1,782.83	1,782.82	0.003119%	713.12	18,216.64	25,502.84	43,719.48
507500	507508	8,612.40	12,057.19	20,669.59	0.000638%			0.000000%			0.000000%		8,612.40	12,057.19	20,669.59
507700	507700	109,453.28	153,231.83	262,685.11	0.008104%			0.000000%	3,675.41	3,675.33	0.006429%	1,470.12	113,128.69	158,377.28	271,505.97
507900	507900	9,042.77	12,659.74	21,702.51	0.000669%			0.000000%			0.000000%		9,042.77	12,659.74	21,702.51
508000	508000	112,208.05	157,090.63	269,298.68	0.008308%			0.000000%			0.000000%		112,208.05	157,090.63	269,298.68
508100	508108	11,778.36	16,489.62	28,267.98	0.000872%	2,883.55	4,037.02	0.006742%	1,564.49	1,564.48	0.002737%	625.79	16,226.40	22,716.91	38,943.31
508500	508508	113,485.41	158,878.95	272,364.36	0.008402%			0.000000%	204.43	204.44	0.000358%	81.73	113,689.84	159,165.12	272,854.96
508700	508708	26,239.61	36,735.09	62,974.70	0.001943%			0.000000%	22.00	22.00	0.000038%	8.80	26,261.61	36,765.89	63,027.50
508900	508908	42,165.93	59,032.24	101,198.17	0.003122%			0.000000%	2,662.74	2,662.71	0.004658%	1,065.08	44,828.67	62,760.03	107,588.70
509100	509108	37,287.71	52,202.68	89,490.39	0.002761%			0.000000%			0.000000%		37,287.71	52,202.68	89,490.39
509300	509300	19,831.96	27,764.69	47,596.65	0.001468%			0.000000%			0.000000%		19,831.96	27,764.69	47,596.65
509500	509500	67,512.94	94,518.24	162,031.18	0.004998%			0.000000%	5,913.43	5,913.45	0.010345%	2,365.38	73,426.37	102,797.07	176,223.44
509900	509900	23,639.44	33,094.52	56,733.96	0.001750%			0.000000%	1,675.80	1,675.73	0.002931%	670.30	25,315.24	35,440.55	60,755.79
509900	509908	546,043.78	764,460.71	1,310,504.49	0.040427%	29,444.68	41,222.60	0.068845%	27,535.33	27,535.37	0.048169%	11,014.10	603,023.79	844,232.78	1,447,256.57
510000	510000	50,345.33	70,459.15	120,804.48	0.003727%	166.62	233.29	0.000390%	(241.40)	(241.42)	-0.000422%	(72.41)	50,270.55	70,378.61	120,649.16
510100	510100	7,031.03	9,843.14	16,874.17	0.000521%			0.000000%	5,295.68	5,295.68	0.009264%	2,118.24	12,326.71	17,257.06	29,583.77
510300	510300	22,043.27	30,859.99	52,903.26	0.001632%			0.000000%			0.000000%		22,043.27	30,859.99	52,903.26
510500	510500	31,885.04	44,638.97	76,524.01	0.002361%	578.93	810.51	0.001354%	1,752.36	1,752.38	0.003066%	700.92	34,216.33	47,902.78	82,119.11
510900	510900	54,844.66	76,687.44	131,532.10	0.004058%	1,270.86	1,779.17	0.002971%	3,598.94	3,598.99	0.006296%	1,533.92	59,714.46	83,599.52	143,313.98
511100	511108	15,704.00	21,985.60	37,689.60	0.001163%			0.000000%			0.000000%		15,704.00	21,985.60	37,689.60
511300	511308	261,753.26	366,453.42	628,206.68	0.019379%	22,958.55	32,141.89	0.053680%	12,106.08	12,106.11	0.021178%	4,842.33	296,817.89	415,543.75	712,361.64
511500	511508	361,285.86	505,798.82	867,084.68	0.026748%	7,354.26	10,295.92	0.017195%	24,125.15	24,124.93	0.042203%	9,649.95	392,765.27	549,869.62	942,634.89
511900	511900	13,905.67	19,467.97	33,373.64	0.001030%			0.000000%	743.38	743.37	0.001300%	297.37	14,649.05	20,508.71	35,157.76
512100	512108	159,515.75	223,321.66	382,837.41	0.011810%			0.000000%	4,048.60	4,048.60	0.007082%	1,619.44	163,564.35	228,989.70	392,554.05
512300	512308	2,522,259.69	3,531,607.41	6,053,867.10	0.186754%	90,231.14	126,251.58	0.210852%	184,522.89	184,522.73	0.322795%	73,438.54	2,797,013.72	3,915,820.26	6,712,833.98
512500	512508	89,383.19	125,136.33	214,519.52	0.006618%			0.000000%	5,330.04	5,330.04	0.009324%	2,132.04	94,713.23	132,598.41	227,311.64
512600	512608	2,738,822.22	3,834,335.06	6,573,157.28	0.202774%	52,382.67	73,335.26	0.122477%	116,004.52	116,004.29	0.202932%	46,396.51	2,907,209.41	4,070,071.12	6,977,280.53
512700	512708	2,832,077.95	3,964,899.08	6,796,977.03	0.209678%	75,612.13	105,857.11	0.176791%	54,936.31	54,936.40	0.096103%	21,982.30	2,962,626.39	4,147,674.89	7,110,301.28
512900	512908	388,670.64	544,138.81	932,809.45	0.028776%	25,171.86	35,240.49	0.058855%	25,323.68	25,323.63	0.044300%	10,129.37	439,166.18	614,832.30	1,053,998.48
513100	513100	27,909.89	39,073.80	66,983.69	0.002066%	4,033.92	5,647.42	0.009432%			0.000000%		31,943.81	44,721.22	76,665.03
513300	513300	15,308.47	21,431.29	36,739.76	0.001133%			0.000000%			0.000000%		15,308.47	21,431.29	36,739.76
513500	513508	37,251.90	52,152.72	89,404.62	0.002758%	1,050.36	1,470.51	0.002456%	1,800.03	1,800.10	0.003149%	720.05	40,102.29	56,143.38	96,245.67
513700	513708	2,865,107.19	4,011,157.01	6,876,264.20	0.212124%	134,579.47	188,411.28	0.314664%	167,347.65	167,348.66	0.292752%	66,925.87	3,167,034.31	4,433,842.82	7,600,877.13
513900	513900	47,024.79	65,834.75	112,859.54	0.003482%			0.000000%			0.000000%		47,024.79	65,834.75	112,859.54
514100	514108	73,801.24	103,321.21	177,122.45	0.005464%			0.000000%	577.17	577.19	0.001010%	230.86	74,378.41	104,129.26	178,507.67
514300	514300	12,888.96	18,044.21	30,933.17	0.000954%			0.000000%			0.000000%		12,888.96	18,044.21	30,933.17
514500	514500	25,801.52	36,121.95	61,923.47	0.001910%			0.000000%			0.000000%		25,801.52	36,121.95	61,923.47
514700	514708	107,562.41	150,586.55	258,148.96	0.007964%	4,571.22	6,399.67	0.010688%	3,154.60	3,154.68	0.005519%	1,261.87	115,288.23	161,402.77	276,691.00
515100	515108	1,356,642.46	1,899,299.23	3,255,941.69	0.100442%	35,899.98	50,259.82	0.083938%	76,626.18	76,626.30	0.134046%	30,650.52	1,469,168.62	2,056,835.87	3,526,004.49
515300	515300	82,565.96	115,592.58	198,158.54	0.006113%	1,582.11	2,214.99	0.003699%			0.000000%		84,148.07	117,807.57	201,955.64
515500	515508	238,861.26	334,405.03	573,266.29	0.017685%	2,368.54	3,315.96	0.005538%	4,664.25	4,664.25	0.008159%	1,865.70	245,894.05	344,250.94	590,144.99
515700	515700	24,352.62	34,093.40	58,446.02	0.001803%			0.000000%			0.000000%		24,352.62	34,093.40	58,446.02
515900	515900	9,406.99	13,169.66	22,576.65	0.000696%			0.000000%	2,813.42	2,813.52	0.004922%	1,125.27	12,220.41	17,108.45	29,328.86
515900	515908	9,407.28	13,170.24	22,577.52	0.000696%			0.000000%	2,813.71	2,813.83	0.004922%	1,125.37	12,220.99	17,109.44	29,330.43
516200	516200	15,340.10	21,475.99	36,816.09	0.001136%			0.000000%			0.000000%		15,340.10	21,475.99	36,816.09
516300	516300	10,974.57	15,364.34	26,338.91	0.000813%			0.000000%	2,849.66	2,849.69	0.004985%	1,139.86	13,824.23	19,353.89	33,178.12
516500	516500	40,814.59	57,140.34	97,954.93	0.003022%			0.000000%	3,589.96	3,589.96	0.006280%	1,435.96	44,404.55	62,166.26	106,570.81
516700	516708	226,402.63	316,963.53	543,366.16	0.016762%	9,595.29	13,433.39	0.022435%	21,531.12	21,531.12	0.037666%	8,612.39	257,529.04	360,540.43	618,069.47
516800	516800	4,341.17	6,077.61	10,418.78	0.000321%			0.000000%			0.000000%		4,341.17	6,077.61	10,418.78
517100	517100	110,083.72	154,129.31	264,213.03	0.008151%			0.000000%	2,427.18	2,427.19	0.004246%	958.48	112,510.90	157,514.98	270,025.88
517200	517208	27,256.90	38,159.37	65,416.27	0.002018%			0.000000%			0.000000%		27,256.90	38,159.37	65,416.27
517300	517300	19,078.48	26,709.64	45,788.12	0.001413%			0.000000%			0.000000%		19,078.48	26,709.64	45,788.12
517600	517600	29,420.56	41,188.91	70,609.47	0.002178%			0.000000%	2,501.29	2,501.29	0.004376%	1,000.54	31,921.85	44,690.74	76,612.59
517900	517908	172,327.23	241,257.91	413,585.14	0.012759%	11,313.11	15,838.41	0.026452%	15,548.36	15,548.56	0.027200%	6,219.19	199,188.70	278,864.07	478,052.77
518000	518008	239,508.90	335,311.96	574,820.86	0.017732%			0.000000%	367.41	367.39	0.000643%	146.96	239,876.31	335,826.31	575,702.62
518100	518100	17,573.87	24,603.50	42,177.37	0.001301%			0.000000%	1,050.36	1,050.48	0.001838%	420.12	18,624.23	26,074.10	44,698.33
518300	518300	7,609.17	10,652.59	18,261.76	0.000563%			0.000000%	55.33	55.34	0.000097%	22.12	7,664.50	10,730.05	18,394.55
518500	518508	146,938.83	205,714.08	352,652.91	0.010879%	3,476.48	4,867.02	0.008128%	2,304.92	2,304.92	0.004032%	921.97	152,720.23	213,807.99	366,528.22
518700	518700	8,228.70	11,519.96	19,748.66	0.000609%			0.000000%			0.000000%		8,228.70	11,519.96	19,748.66
518900	518900	3,874.10	5,423.65	9,297.75	0.000287%	2,823.08	3,952.24	0.006601%			0.000000%		6,697.18	9,375.89	16,073.07
519100	519100	31,898.29	44,657.51	76,555.80	0.002362%			0.000000%	1,919.54	1,919.54	0.003358%	767.81	33,817.83	47,344.86	81,162.69

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
519500	519508	95,287.95	133,402.61	228,690.56	0.007055%	1,143.80	1,601.29	0.002674%	836.96	837.00	0.001464%	334.72	97,268.71	136,175.62	233,444.33
519700	519708	95,077.84	133,108.15	228,185.99	0.007039%	3,202.02	4,482.78	0.007487%	15,963.00	15,962.95	0.027925%	6,385.14	114,242.86	159,939.02	274,181.88
520100	520100	3,046.42	4,264.84	7,311.26	0.000226%			0.000000%			0.000000%		3,046.42	4,264.84	7,311.26
520100	520108	24,415.95	34,182.32	58,598.27	0.001808%	3,134.17	4,387.92	0.007328%			0.000000%		27,550.12	38,570.24	66,120.36
520300	520300	60,541.66	84,758.42	145,300.08	0.004482%			0.000000%	3,678.49	3,678.52	0.006435%	1,471.39	64,220.15	89,908.33	154,128.48
520900	520908	61,527.37	86,137.30	147,664.67	0.004555%	327.25	458.15	0.000765%	858.12	858.12	0.001501%	343.22	62,712.74	87,796.79	150,509.53
521100	521108	40,071.26	56,099.35	96,170.61	0.002967%			0.000000%	259.27	259.26	0.000454%	103.70	40,330.53	56,462.31	96,792.84
521300	521300	41,460.53	58,044.77	99,505.30	0.003070%			0.000000%	1,739.71	1,739.71	0.003043%	695.86	43,200.24	60,480.34	103,680.58
521500	521500	9,428.80	13,200.27	22,629.07	0.000698%			0.000000%			0.000000%		9,428.80	13,200.27	22,629.07
521600	521608	56,755.27	79,491.77	136,247.04	0.004203%	7,609.80	10,653.98	0.017793%			0.000000%	(31.93)	64,365.07	90,113.82	154,478.89
521700	521708	159,103.40	222,744.83	381,848.23	0.011780%	550.00	770.00	0.001286%	2,040.30	2,040.31	0.003569%	816.10	161,693.70	226,371.24	388,064.94
521900	521900	37,839.24	52,974.35	90,813.59	0.002801%	4,027.08	5,637.86	0.009416%	8,504.46	8,504.46	0.014877%	3,401.73	50,370.78	70,518.40	120,889.18
522100	522100	2,509.81	3,513.74	6,023.55	0.000186%			0.000000%			0.000000%		2,509.81	3,513.74	6,023.55
522500	522500	61,045.93	84,110.55	145,156.48	0.004478%	1,604.85	2,246.78	0.003752%	3,103.46	3,103.45	0.005429%	2,595.30	65,754.24	92,056.08	157,810.32
522700	522708	262,066.87	366,892.37	628,959.24	0.019403%	8,887.90	12,443.06	0.020781%	21,710.83	21,710.69	0.037980%	8,684.40	292,665.60	409,730.52	702,396.12
523100	523108	270,309.04	378,430.35	648,739.39	0.020013%	7,229.86	10,121.63	0.016904%	15,821.02	15,821.02	0.027677%	6,328.54	293,359.92	410,701.54	704,061.46
523500	523508	57,119.53	79,986.53	137,106.06	0.004230%	6,230.08	8,722.02	0.014567%	2,386.77	2,386.81	0.004175%	935.41	65,736.38	92,030.77	157,767.15
523700	523700	71,384.15	99,937.78	171,321.93	0.005285%	735.28	1,029.40	0.001719%	3,388.10	3,388.10	0.005927%	1,355.22	75,507.53	105,710.50	181,218.03
523700	523708	38,437.03	53,811.73	92,248.76	0.002846%	395.90	554.26	0.000926%	1,824.36	1,824.38	0.003191%	729.74	40,657.29	56,920.11	97,577.40
523900	523900	8,999.61	12,599.21	21,598.82	0.000666%			0.000000%			0.000000%		8,999.61	12,599.21	21,598.82
524100	524100	8,441.77	11,818.54	20,260.31	0.000625%			0.000000%			0.000000%		8,441.77	11,818.54	20,260.31
524300	524308	44,611.47	62,455.77	107,067.24	0.003303%	4,958.34	6,941.83	0.011593%	975.90	975.89	0.001707%	390.37	50,545.71	70,763.86	121,309.57
524500	524508	138,920.44	194,488.54	333,408.98	0.010285%	7,105.21	9,947.27	0.016613%	7,994.67	7,994.64	0.013985%	3,197.85	154,020.32	215,628.30	369,648.62
524700	524700	29,028.66	40,640.20	69,668.86	0.002149%	4,501.15	6,301.55	0.010524%	1,286.51	1,286.65	0.002251%	514.56	34,816.32	48,742.96	83,559.28
526100	526100	11,718.51	16,405.77	28,124.28	0.000868%			0.000000%			0.000000%		11,718.51	16,405.77	28,124.28
526100	526108	7,813.87	10,939.57	18,753.44	0.000579%			0.000000%			0.000000%		7,813.87	10,939.57	18,753.44
526300	526308	21,047.08	29,465.84	50,512.92	0.001558%	351.73	492.43	0.000822%			0.000000%		21,398.81	29,958.27	51,357.08
527100	527100	88,715.40	124,200.82	212,916.22	0.006568%	2,049.10	2,868.80	0.004791%	1,756.29	1,756.28	0.003072%	702.51	92,520.79	129,528.41	222,049.20
527300	527300	31,247.89	43,746.87	74,994.76	0.002313%			0.000000%			0.000000%		31,247.89	43,746.87	74,994.76
527700	527700	9,663.68	13,529.11	23,192.79	0.000715%	5,138.65	7,194.11	0.012015%	3,875.58	3,875.67	0.006780%	1,550.20	18,677.91	26,149.09	44,827.00
527900	527900	20,421.51	28,589.77	49,011.28	0.001512%			0.000000%			0.000000%		20,421.51	28,589.77	49,011.28
527900	527908	11,403.12	15,964.37	27,367.49	0.000844%			0.000000%			0.000000%		11,403.12	15,964.37	27,367.49
528100	528108	42,229.72	59,121.51	101,351.23	0.003127%			0.000000%			0.000000%		42,229.72	59,121.51	101,351.23
529100	529100	43,786.11	61,300.34	105,086.45	0.003242%	2,061.67	2,886.37	0.004820%	2,383.01	2,383.07	0.004169%	953.13	48,230.79	67,522.91	115,753.70
529100	529108	151,986.35	212,780.94	364,767.29	0.011253%			0.000000%			0.000000%		151,986.35	212,780.94	364,767.29
529300	529308	186,966.53	261,748.96	448,715.49	0.013842%			0.000000%	6,119.98	6,119.69	0.010705%	2,447.93	193,086.51	270,316.58	463,403.09
529500	529500	3,068.54	4,295.77	7,364.31	0.000227%			0.000000%	828.33	828.35	0.001449%	331.27	3,896.87	5,455.39	9,352.26
529500	529508	73,582.00	103,014.48	176,596.48	0.005448%			0.000000%			0.000000%		73,582.00	103,014.48	176,596.48
529600	529600	34,495.08	48,293.02	82,788.10	0.002554%			0.000000%	3,662.46	3,662.54	0.006407%	1,464.93	38,157.54	53,420.49	91,578.03
529600	529608	30,701.41	42,981.96	73,683.37	0.002273%			0.000000%			0.000000%		30,701.41	42,981.96	73,683.37
529900	529900	11,481.43	16,073.66	27,555.09	0.000850%			0.000000%	856.69	856.71	0.001499%	342.64	12,338.12	17,273.01	29,611.13
530100	530100	5,657.15	7,926.78	13,583.93	0.000419%			0.000000%			0.000000%	(6.96)	5,657.15	7,919.82	13,576.97
530100	530108	1,185.40	1,666.54	2,851.94	0.000088%			0.000000%			0.000000%	(6.96)	1,185.40	1,659.58	2,844.98
530300	530308	10,748.70	15,048.27	25,796.97	0.000796%			0.000000%	432.43	432.44	0.000756%	172.96	11,181.13	15,653.67	26,834.80
530500	530508	114,381.48	160,133.79	274,515.27	0.008468%	8,654.46	12,116.32	0.020235%			0.000000%		123,035.94	172,250.11	295,286.05
530700	530700	16,375.10	22,924.82	39,299.92	0.001212%	2,298.24	3,217.51	0.005374%	1,304.00	1,304.03	0.002281%	521.56	19,977.34	27,967.92	47,945.26
531100	531108	36,226.01	50,716.24	86,942.25	0.002682%			0.000000%			0.000000%		36,226.01	50,716.24	86,942.25
531300	531308	36,733.75	51,427.18	88,160.93	0.002720%	5,251.20	7,351.56	0.012278%			0.000000%		41,984.95	58,778.74	100,763.69
531500	531508	371,603.97	520,243.62	891,847.59	0.027512%	1,599.73	2,239.61	0.003740%	13,822.62	13,822.44	0.024180%	5,529.01	387,026.32	541,834.68	928,861.00
531700	531708	29,041.84	40,660.11	69,701.95	0.002150%	2,741.64	3,838.32	0.006410%			0.000000%		31,783.48	44,498.43	76,281.91
531900	531900	43,922.16	61,490.77	105,412.93	0.003252%	3,043.58	4,261.02	0.007116%	541.30	541.36	0.000947%	216.46	47,507.04	66,509.61	114,016.65
533100	533100	20,184.84	28,258.60	48,443.44	0.001494%			0.000000%			0.000000%		20,184.84	28,258.60	48,443.44
533300	533300	14,603.79	20,445.12	35,048.91	0.001081%			0.000000%			0.000000%		14,603.79	20,445.12	35,048.91
533500	533500	26,412.88	36,978.04	63,390.92	0.001956%			0.000000%	1,177.52	1,177.53	0.002060%	470.95	27,590.40	38,626.52	66,216.92
533700	533708	66,827.11	93,557.56	160,384.67	0.004948%			0.000000%	2,765.79	2,765.81	0.004838%	1,106.30	69,592.90	97,429.67	167,022.57
534100	534108	435,315.91	609,442.30	1,044,758.21	0.032229%	4,991.26	6,987.77	0.011670%	11,425.78	11,425.82	0.019988%	4,570.33	451,732.95	632,426.22	1,084,159.17
534300	534308	121,503.91	170,105.49	291,609.40	0.008996%	9,013.77	12,619.19	0.021075%	1,521.60	1,521.60	0.002662%	608.64	132,039.28	184,854.92	316,894.20
534500	534508	85,606.52	119,849.08	205,455.60	0.006338%	5,731.07	8,023.51	0.013400%	11,527.36	11,527.36	0.020165%	4,610.92	102,864.95	144,010.87	246,875.82
534900	534900	65,319.78	91,447.01	156,766.79	0.004836%			0.000000%			0.000000%		65,319.78	91,447.01	156,766.79
535100	535108	66,232.83	92,818.22	159,051.05	0.004907%	11,407.42	15,970.41	0.026672%	9,306.58	9,306.59	0.016281%	3,630.06	86,946.83	121,725.28	208,672.11
535300	535300	116,190.88	162,629.13	278,820.01	0.008601%	600.59	840.81	0.001404%	13,537.85	13,537.83	0.023682%	5,452.31	130,329.32	182,460.08	312,789.40
535700	535700	20,959.41	29,343.18	50,302.59	0.001552%			0.000000%	967.27	967.28	0.001692%	386.91	21,926.68	30,697.37	52,624.05
535900	535908	377,548.12	528,563.22	906,111.34	0.027952%	25,467.53	35,654.24	0.059546%	25,711.12	25,711.08	0.044978%	10,284.26	428,726.77	600,212.80	1,028,939.57

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
536100	536108	171,867.21	240,612.41	412,479.62	0.012724%	4,629.92	6,481.91	0.010825%	15,859.24	15,859.23	0.027743%	6,343.67	192,356.37	269,297.22	461,653.59
536300	536300	13,707.44	19,190.39	32,897.83	0.001015%			0.000000%	590.04	590.04	0.001032%	236.01	14,297.48	20,016.44	34,313.92
536700	536708	52,049.23	72,870.81	124,920.04	0.003854%			0.000000%			0.000000%		52,049.23	72,870.81	124,920.04
536900	536908	264,504.22	370,322.74	634,826.96	0.019584%	5,179.33	7,251.01	0.012110%	24,817.94	24,817.84	0.043415%	9,908.63	294,501.49	412,300.22	706,801.71
537500	537500	53,212.10	74,496.17	127,708.27	0.003940%			0.000000%			0.000000%		53,212.10	74,496.17	127,708.27
537700	537708	28,550.52	39,970.59	68,521.11	0.002114%	1,242.63	1,739.65	0.002905%	1,647.58	1,647.58	0.002882%	659.03	31,440.73	44,016.85	75,457.58
537800	537800	7,441.86	10,418.72	17,860.58	0.000551%			0.000000%			0.000000%		7,441.86	10,418.72	17,860.58
537900	537900	11,914.23	16,679.76	28,593.99	0.000882%			0.000000%			0.000000%		11,914.23	16,679.76	28,593.99
538100	538100	45,213.26	63,338.34	108,551.60	0.003349%			0.000000%	325.37	325.36	0.000569%	90.46	45,538.63	63,754.16	109,292.79
538300	538300	17,572.26	24,600.98	42,173.24	0.001301%			0.000000%			0.000000%		17,572.26	24,600.98	42,173.24
538500	538500	13,714.54	19,200.34	32,914.88	0.001015%			0.000000%			0.000000%		13,714.54	19,200.34	32,914.88
538700	538708	145,699.27	203,978.27	349,677.54	0.010787%	1,044.75	1,462.59	0.002443%	3,378.13	3,377.99	0.005909%	1,351.18	150,122.15	210,170.03	360,292.18
538900	538900	5,664.23	7,929.95	13,594.18	0.000419%			0.000000%			0.000000%		5,664.23	7,929.95	13,594.18
539100	539100	23,856.25	33,398.64	57,254.89	0.001766%	6,918.33	9,685.56	0.016176%	2,760.34	2,760.37	0.004829%	1,104.10	33,534.92	46,948.67	80,483.59
539200	539200	11,628.11	16,279.18	27,907.29	0.000861%			0.000000%			0.000000%		11,628.11	16,279.18	27,907.29
539300	539300	134,681.21	188,553.93	323,235.14	0.009971%	2,628.93	3,680.54	0.006147%	9,887.63	9,887.74	0.017297%	3,954.97	147,197.77	206,077.18	353,274.95
539500	539500	207,170.56	290,037.80	497,208.36	0.015338%	8,338.82	11,674.20	0.019497%	9,946.17	9,946.24	0.017399%	3,978.40	225,455.55	315,636.64	541,092.19
539700	539700	28,226.64	39,517.10	67,743.74	0.002090%			0.000000%	391.05	391.02	0.000684%	156.41	28,617.69	40,064.53	68,682.22
539900	539900	20,978.37	29,369.49	50,347.86	0.001553%			0.000000%			0.000000%		20,978.37	29,369.49	50,347.86
540100	540108	48,009.84	67,212.72	115,222.56	0.003554%			0.000000%			0.000000%		48,009.84	67,212.72	115,222.56
540300	540300	13,610.95	19,054.94	32,665.89	0.001008%			0.000000%	1,677.10	1,677.10	0.002934%	670.81	15,288.05	21,402.85	36,690.90
540500	540508	16,231.43	22,723.85	38,955.28	0.001202%	270.57	378.77	0.000633%			0.000000%		16,502.00	23,102.62	39,604.62
540900	540908	121,099.15	169,539.14	290,638.29	0.008966%	10,108.96	14,152.45	0.023636%	3,184.65	3,184.65	0.005571%	1,272.30	134,392.76	188,148.54	322,541.30
541100	541100	4,908.50	6,871.92	11,780.42	0.000363%			0.000000%			0.000000%		4,908.50	6,871.92	11,780.42
541300	541308	36,042.17	50,458.80	86,500.97	0.002668%			0.000000%			0.000000%		36,042.17	50,458.80	86,500.97
541500	541508	47,203.52	66,084.84	113,288.36	0.003495%			0.000000%			0.000000%		47,203.52	66,084.84	113,288.36
541700	541708	17,981.81	25,174.15	43,155.96	0.001331%			0.000000%	2,020.06	2,020.15	0.003534%	808.00	20,001.87	28,002.30	48,004.17
541900	541908	101,893.34	142,651.05	244,544.39	0.007544%	4,990.15	6,986.10	0.011667%	1,648.58	1,648.58	0.002884%	659.33	108,532.07	151,945.06	260,477.13
542100	542108	43,734.63	61,228.27	104,962.90	0.003238%			0.000000%	1,142.39	1,142.36	0.001998%	456.98	44,877.02	62,827.61	107,704.63
543100	543100	14,164.33	19,830.00	33,994.33	0.001049%	7,461.53	10,446.15	0.017446%			0.000000%		21,625.86	30,276.15	51,902.01
543300	543308	13,139.35	18,394.86	31,534.21	0.000973%			0.000000%	262.50	262.51	0.000459%	104.99	13,401.85	18,762.36	32,164.21
543500	543508	70,355.51	98,497.30	168,852.81	0.005209%			0.000000%	12,101.19	12,101.26	0.021169%	4,840.40	82,456.70	115,438.96	197,895.66
543700	543700	12,023.51	16,832.46	28,855.97	0.000890%			0.000000%			0.000000%		12,023.51	16,832.46	28,855.97
543700	543708	46,622.60	65,270.95	111,893.55	0.003452%			0.000000%			0.000000%		46,622.60	65,270.95	111,893.55
543900	543900	46,759.68	65,463.42	112,223.10	0.003462%	1,362.61	1,907.65	0.003186%	1,565.92	1,565.93	0.002739%	626.34	49,688.21	69,563.34	119,251.55
544100	544100	19,444.21	27,221.75	46,665.96	0.001440%	1,210.79	1,695.10	0.002831%			0.000000%		20,655.00	28,916.85	49,571.85
544300	544300	55,875.79	78,225.88	134,101.67	0.004137%			0.000000%	2,719.61	2,719.64	0.004758%	1,087.79	58,595.40	82,033.31	140,628.71
545100	545100	701.83	982.52	1,684.35	0.000052%			0.000000%			0.000000%		701.83	982.52	1,684.35
545100	545108	109,553.45	153,374.54	262,927.99	0.008111%	1,907.88	2,670.98	0.004461%	10,108.96	10,109.07	0.017684%	4,043.47	121,570.29	170,198.06	291,768.35
545200	545208	30,005.39	42,006.97	72,012.36	0.002221%			0.000000%	8,674.63	8,674.64	0.015175%	3,469.88	38,680.02	54,151.49	92,831.51
545300	545300	47,960.83	67,144.98	115,105.81	0.003551%			0.000000%	9,375.96	9,375.95	0.016402%	3,750.34	57,336.79	80,271.27	137,608.06
545500	545508	64,693.24	90,570.88	155,264.12	0.004790%			0.000000%			0.000000%		64,693.24	90,570.88	155,264.12
545700	545708	22,764.52	31,870.34	54,634.86	0.001685%			0.000000%			0.000000%		22,764.52	31,870.34	54,634.86
545900	545900	10,364.79	14,510.63	24,875.42	0.000767%			0.000000%			0.000000%		10,364.79	14,510.63	24,875.42
545900	545908	34,621.24	48,469.30	83,090.54	0.002563%			0.000000%	3,409.01	3,409.01	0.005964%	1,363.66	38,030.25	53,241.97	91,272.22
546100	546100	45,960.84	64,343.72	110,304.56	0.003403%	4,705.44	6,587.64	0.011002%	1,855.72	1,855.65	0.003246%	742.26	52,522.00	73,529.27	126,051.27
546100	546108	38,882.54	54,436.94	93,319.48	0.002879%	4,705.44	6,587.52	0.011002%			0.000000%		43,587.98	61,024.46	104,612.44
546300	546300	80,453.67	112,634.81	193,088.48	0.005957%	1,746.39	2,444.98	0.004083%	1,306.73	1,306.72	0.002286%	522.67	83,506.79	116,909.18	200,415.97
546400	546400	23,641.49	33,098.06	56,739.55	0.001750%			0.000000%			0.000000%		23,641.49	33,098.06	56,739.55
546500	546500	52,240.46	73,136.38	125,376.84	0.003868%	1,464.71	2,050.55	0.003425%			0.000000%		53,705.17	75,186.93	128,892.10
546700	546700	43,586.27	61,020.75	104,607.02	0.003227%			0.000000%			0.000000%		43,586.27	61,020.75	104,607.02
547100	547100	47,782.85	66,895.77	114,678.62	0.003538%	681.20	953.67	0.001593%	10,402.23	10,402.19	0.018197%	4,160.96	58,866.28	82,412.59	141,278.87
547300	547308	163,856.83	229,399.36	393,256.19	0.012131%			0.000000%			0.000000%		163,856.83	229,399.36	393,256.19
547700	547708	87,823.52	122,956.48	210,780.00	0.006502%	3,203.76	4,485.24	0.007491%	2,137.52	2,137.52	0.003739%	851.20	93,164.80	130,430.44	223,595.24
548100	548108	221,010.72	309,415.08	530,425.80	0.016363%	627.00	877.78	0.001466%			0.000000%		221,637.72	310,292.86	531,930.58
548300	548308	81,747.71	114,447.08	196,194.79	0.006052%	3,976.96	5,567.68	0.009299%	855.51	855.54	0.001497%	342.18	86,580.18	121,212.48	207,792.66
548500	548500	15,946.24	22,324.47	38,270.71	0.001181%			0.000000%			0.000000%		15,946.24	22,324.47	38,270.71
548700	548700	30,784.67	43,098.41	73,883.08	0.002279%	2,003.84	2,805.40	0.004685%			0.000000%		32,788.51	45,903.81	78,692.32
548900	548900	10,026.95	14,037.65	24,064.60	0.000742%			0.000000%	212.30	212.30	0.000371%	84.92	10,239.25	14,334.87	24,574.12
549100	549100	10,006.62	14,009.07	24,015.69	0.000741%			0.000000%			0.000000%		10,006.62	14,009.07	24,015.69
549300	549300	37,104.56	51,946.51	89,051.07	0.002747%			0.000000%	2,739.84	2,739.77	0.004793%	1,095.91	39,844.40	55,782.19	95,626.59
550100	550100	16,418.71	22,962.58	39,381.29	0.001215%			0.000000%			0.000000%	23.75	16,418.71	22,986.33	39,405.04
550300	550308	224,528.64	314,340.19	538,868.83	0.016623%	11,008.30	15,411.64	0.025739%	8,115.38	8,115.32	0.014197%	3,246.22	243,652.32	341,113.37	584,765.69

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
550400	550400	25,423.04	35,592.17	61,015.21	0.001882%			0.000000%	5,481.68	5,481.78	0.009590%	2,192.56	30,904.72	43,266.51	74,171.23
550500	550500	31,066.80	43,493.27	74,560.07	0.002300%	3,161.60	4,426.24	0.007392%			0.000000%		34,228.40	47,919.51	82,147.91
550700	550708	16,161.38	22,625.73	38,787.11	0.001197%			0.000000%			0.000000%		16,161.38	22,625.73	38,787.11
550800	550800	9,380.46	13,132.55	22,513.01	0.000694%	1,244.98	1,742.95	0.002911%			0.000000%		10,625.44	14,875.50	25,500.94
550900	550900	49,175.96	68,845.97	118,021.93	0.003641%	179.26	250.94	0.000419%	3,961.06	3,961.07	0.006929%	1,584.41	53,316.28	74,642.39	127,958.67
551100	551100	122,974.47	172,163.69	295,138.16	0.009105%	5,647.44	7,906.32	0.013204%			0.000000%		128,621.91	180,070.01	308,691.92
551300	551308	35,438.74	49,613.82	85,052.56	0.002624%			0.000000%			0.000000%		35,438.74	49,613.82	85,052.56
551700	551700	74,282.79	103,995.71	178,278.50	0.005500%	732.47	1,025.43	0.001713%	1,959.99	1,959.98	0.003429%	783.98	76,975.25	107,765.10	184,740.35
552500	552500	239,473.10	335,262.08	574,735.18	0.017730%			0.000000%	8,401.62	8,401.58	0.014697%	3,360.61	247,874.72	347,024.27	594,898.99
552700	552700	130,028.74	182,039.81	312,068.55	0.009627%			0.000000%	1,274.68	1,274.74	0.002230%	509.85	131,303.42	183,824.40	315,127.82
552700	552708	21,824.28	30,553.96	52,378.24	0.001616%			0.000000%			0.000000%		21,824.28	30,553.96	52,378.24
552900	552908	148,460.41	207,844.21	356,304.62	0.010992%	5,797.62	8,116.64	0.013556%	3,988.40	3,988.40	0.006977%	1,595.36	158,246.43	221,544.61	379,791.04
553200	553200	51,507.58	72,110.50	123,618.08	0.003813%	2,861.76	4,006.46	0.006691%			0.000000%		54,369.34	76,116.96	130,486.30
553300	553300	20,320.55	28,448.36	48,768.91	0.001504%			0.000000%	2,499.90	2,500.00	0.004373%	999.98	22,820.45	31,948.34	54,768.79
553400	553400	14,307.68	20,030.76	34,338.44	0.001059%	2,061.22	2,885.69	0.004819%			0.000000%		16,368.90	22,916.45	39,285.35
554100	554100	80,711.71	112,995.27	193,706.98	0.005976%	3,790.50	5,306.64	0.008863%	291.78	291.74	0.000510%	116.71	84,793.99	118,710.36	203,504.35
554300	554308	32,193.67	45,070.92	77,264.59	0.002384%	1,099.12	1,538.76	0.002570%	5,241.67	5,241.61	0.009169%	2,096.62	38,534.46	53,947.91	92,482.37
554500	554508	1,712,672.25	2,397,731.06	4,110,403.31	0.126801%	21,659.74	30,323.60	0.050643%	60,470.71	60,470.83	0.105785%	24,187.70	1,794,802.70	2,512,713.19	4,307,515.89
554700	554708	78,286.02	109,600.40	187,886.42	0.005796%	1,019.77	1,427.66	0.002384%	1,618.18	1,618.26	0.002831%	647.24	80,923.97	113,293.56	194,217.53
554900	554908	128,556.43	179,976.97	308,533.40	0.009518%	9,135.58	12,789.63	0.021360%	7,603.71	7,603.82	0.013302%	3,041.27	145,295.72	203,411.69	348,707.41
556300	556300	17,108.56	23,951.57	41,060.13	0.001267%			0.000000%	5,235.50	5,235.50	0.009159%	2,094.22	22,344.06	31,281.29	53,625.35
556500	556500	48,215.17	67,500.85	115,716.02	0.003570%			0.000000%			0.000000%		48,215.17	67,500.85	115,716.02
557300	557300	49,754.96	69,656.86	119,411.82	0.003684%	3,790.14	5,306.21	0.008862%	12,156.04	12,156.06	0.021265%	4,862.37	65,701.14	91,981.50	157,682.64
557500	557500	4,076.54	5,707.14	9,783.68	0.000302%	1,737.99	2,433.18	0.004064%			0.000000%		5,814.53	8,140.32	13,954.85
557500	557508	9,522.35	13,331.41	22,853.76	0.000705%			0.000000%			0.000000%		9,522.35	13,331.41	22,853.76
558100	558108	103,604.86	145,046.82	248,651.68	0.007671%	9,420.28	13,188.44	0.022026%	2,225.37	2,225.40	0.003893%	890.15	115,250.51	161,350.81	276,601.32
558300	558300	41,528.38	58,139.44	99,667.82	0.003075%			0.000000%	4,775.87	4,775.90	0.008355%	1,910.28	46,304.25	64,825.62	111,129.87
558300	558308	4,915.04	6,881.09	11,796.13	0.000364%			0.000000%	6,520.00	6,520.00	0.011406%	2,608.00	11,435.04	16,009.09	27,444.13
558500	558500	295,865.65	414,212.52	710,078.17	0.021905%	7,172.63	10,041.74	0.016771%	4,211.64	4,211.65	0.007368%	1,684.66	307,249.92	430,150.57	737,400.49
558500	558508	34,197.81	47,877.23	82,075.04	0.002532%	1,793.21	2,510.49	0.004193%			0.000000%		35,991.02	50,387.72	86,378.74
558700	558708	48,691.00	68,166.47	116,857.47	0.003605%	412.68	577.76	0.000965%	1,280.75	1,280.86	0.002241%	512.19	50,384.43	70,537.28	120,921.71
558900	558900	17,503.72	24,505.09	42,008.81	0.001296%			0.000000%			0.000000%		17,503.72	24,505.09	42,008.81
559000	559008	59,465.69	83,256.82	142,722.51	0.004403%			0.000000%			0.000000%	(5.00)	59,465.69	83,251.82	142,717.51
559100	559100	51,676.50	72,346.90	124,023.40	0.003826%			0.000000%			0.000000%		51,676.50	72,346.90	124,023.40
559200	559208	14,304.81	20,026.65	34,331.46	0.001059%			0.000000%			0.000000%		14,304.81	20,026.65	34,331.46
559300	559308	24,163.47	33,828.95	57,992.42	0.001789%			0.000000%			0.000000%		24,163.47	33,828.95	57,992.42
559500	559508	23,880.06	33,431.91	57,311.97	0.001768%			0.000000%			0.000000%		23,880.06	33,431.91	57,311.97
559600	559608	8,507.84	11,910.86	20,418.70	0.000630%			0.000000%			0.000000%		8,507.84	11,910.86	20,418.70
559700	559700	18,559.40	25,983.01	44,542.41	0.001374%			0.000000%			0.000000%		18,559.40	25,983.01	44,542.41
559900	559900	49,762.35	69,666.95	119,429.30	0.003684%			0.000000%	2,026.32	2,026.38	0.003545%	810.46	51,788.67	72,503.79	124,292.46
559900	559908	248,310.41	347,634.59	595,945.00	0.018384%	4,707.44	6,590.39	0.011007%	10,900.19	10,900.12	0.019068%	4,360.03	263,918.04	369,485.13	633,403.17
560100	560108	23,118.64	32,366.02	55,484.66	0.001712%			0.000000%			0.000000%		23,118.64	32,366.02	55,484.66
560300	560300	23,133.06	32,386.22	55,519.28	0.001713%			0.000000%	371.70	371.72	0.000650%	148.66	23,504.76	32,906.60	56,411.36
560500	560508	18,608.84	26,052.20	44,661.04	0.001378%			0.000000%			0.000000%		18,608.84	26,052.20	44,661.04
560700	560708	52,450.40	73,430.51	125,880.91	0.003883%	1,774.08	2,483.74	0.004148%			0.000000%		54,224.48	75,914.25	130,138.73
560900	560908	62,525.52	87,535.30	150,060.82	0.004629%			0.000000%	967.98	967.99	0.001693%	387.20	63,493.50	88,890.49	152,383.99
561100	561108	252,007.55	352,810.60	604,818.15	0.018658%	5,463.48	7,648.90	0.012774%	10,754.01	10,754.01	0.018813%	4,301.62	268,225.04	375,515.13	643,740.17
561700	561708	46,763.49	65,468.81	112,232.30	0.003462%			0.000000%	777.64	777.64	0.001360%	311.03	47,541.13	66,557.48	114,098.61
562100	562100	19,103.45	26,744.32	45,847.77	0.001414%	7,783.30	10,896.69	0.018198%			0.000000%		26,886.75	37,641.01	64,527.76
562500	562508	209,371.61	293,117.75	502,489.36	0.015501%	3,166.80	4,433.52	0.007404%	6,704.15	6,704.19	0.011728%	2,681.61	219,242.56	306,937.07	526,179.63
562900	562908	424,712.76	594,598.34	1,019,311.10	0.031444%	56,031.55	78,444.30	0.131009%	33,731.28	33,731.43	0.059008%	13,492.62	514,475.59	720,266.69	1,234,742.28
563100	563108	278,011.62	389,214.82	667,226.44	0.020583%	9,728.25	13,619.44	0.022746%	24,385.48	24,385.54	0.042659%	9,754.06	312,125.35	436,973.86	749,099.21
564100	564108	441,854.06	620,391.72	1,062,245.78	0.032769%	11,247.48	15,784.99	0.026362%	31,421.89	31,422.23	0.054969%	10,735.67	484,523.43	678,334.61	1,162,858.04
564500	564508	615,144.81	861,205.63	1,476,350.44	0.045544%	48,283.41	67,592.31	0.112885%	10,857.97	10,857.96	0.018994%	4,343.15	674,286.19	943,999.05	1,618,285.24
565100	565100	3,219.36	4,507.09	7,726.45	0.000238%			0.000000%	188.59	188.59	0.000330%	75.42	3,407.95	4,771.10	8,179.05
565500	565508	173,323.05	242,652.43	415,975.48	0.012832%	1,607.04	2,249.82	0.003757%	20,078.76	20,078.81	0.035125%	8,031.46	195,008.85	273,012.52	468,021.37
570000	570000	15,693.45	21,970.84	37,664.29	0.001162%			0.000000%			0.000000%		15,693.45	21,970.84	37,664.29
570000	570008	10,541.85	14,758.63	25,300.48	0.000780%			0.000000%			0.000000%		10,541.85	14,758.63	25,300.48
626900	626900				0.000000%	2,438.56	3,414.08	0.005702%			0.000000%		2,438.56	3,414.08	5,852.64
627200	627208	203,033.98	284,247.32	487,281.30	0.015032%			0.000000%	120.00	120.00	0.000210%	48.00	203,153.98	284,415.32	487,569.30
633000	633008	24,745.31	34,643.36	59,388.67	0.001832%	5,681.10	7,953.52	0.013283%			0.000000%		30,426.41	42,596.88	73,023.29
633100	633100	49,751.84	69,652.31	119,404.15	0.003683%			0.000000%			0.000000%		49,751.84	69,652.31	119,404.15
633200	633208	302.50	423.50	726.00	0.000022%			0.000000%			0.000000%		302.50	423.50	726.00

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
633300	633308	697,996.75	977,243.76	1,675,240.51	0.051679%	50,619.14	70,843.73	0.118315%	33,200.37	33,200.32	0.058079%	13,253.28	781,816.26	1,094,541.09	1,876,357.35
633400	633400	11,196.80	15,675.84	26,872.64	0.000829%			0.000000%			0.000000%		11,196.80	15,675.84	26,872.64
633500	633500	10,788.48	15,103.84	25,892.32	0.000799%			0.000000%			0.000000%		10,788.48	15,103.84	25,892.32
633600	633600	19,253.86	26,955.64	46,209.50	0.001426%	300.00	420.00	0.000701%	300.00	300.00	0.000525%	120.00	19,853.86	27,795.64	47,649.50
633700	633708	4,460.29	6,244.46	10,704.75	0.000330%			0.000000%			0.000000%		4,460.29	6,244.46	10,704.75
633800	633800	5,842.62	8,180.00	14,022.62	0.000433%			0.000000%			0.000000%		5,842.62	8,180.00	14,022.62
633900	633900	21,593.57	30,230.99	51,824.56	0.001599%			0.000000%			0.000000%		21,593.57	30,230.99	51,824.56
634000	634000	18,035.52	25,249.80	43,285.32	0.001335%	4,229.20	5,920.89	0.009888%	4,118.08	4,118.08	0.007204%	1,647.23	26,382.80	36,936.00	63,318.80
634200	634200	1,679.50	2,351.36	4,030.86	0.000124%			0.000000%			0.000000%		1,679.50	2,351.36	4,030.86
634300	634300	14,385.52	20,139.88	34,525.40	0.001065%			0.000000%			0.000000%		14,385.52	20,139.88	34,525.40
634500	634508	428,603.86	600,044.82	1,028,648.68	0.031733%	11,346.97	15,885.73	0.026531%	23,665.81	23,665.90	0.041400%	9,466.31	463,616.64	649,062.76	1,112,679.40
634600	634608	45,310.45	63,434.37	108,744.82	0.003355%	200.09	280.11	0.000468%	7,835.64	7,835.67	0.013707%	3,134.29	53,346.18	74,684.44	128,030.62
634700	634700	1,670.00	2,338.20	4,008.20	0.000124%	120.00	168.00	0.000281%	930.80	930.84	0.001628%	372.28	2,720.80	3,809.32	6,530.12
635000	635008	67,286.56	94,201.04	161,487.60	0.004982%			0.000000%			0.000000%		67,286.56	94,201.04	161,487.60
635100	635100		(0.01)	(0.01)	0.000000%			0.000000%			0.000000%	0.01		0.00	0.00
635100	635108	17,747.65	24,847.03	42,594.68	0.001314%			0.000000%			0.000000%		17,747.65	24,847.03	42,594.68
635300	635300	9,464.47	13,250.27	22,714.74	0.000701%			0.000000%			0.000000%		9,464.47	13,250.27	22,714.74
635600	635600	984.85	1,378.69	2,363.54	0.000073%			0.000000%			0.000000%		984.85	1,378.69	2,363.54
635700	635700	327.73	458.89	786.62	0.000024%			0.000000%			0.000000%		327.73	458.89	786.62
635800	635800	1,116.00	1,562.47	2,678.47	0.000083%			0.000000%			0.000000%		1,116.00	1,562.47	2,678.47
635900	635900	1,831.51	2,564.11	4,395.62	0.000136%			0.000000%			0.000000%		1,831.51	2,564.11	4,395.62
636000	636000	200.00	280.00	480.00	0.000015%			0.000000%			0.000000%		200.00	280.00	480.00
636100	636100	4,952.70	6,933.80	11,886.50	0.000367%			0.000000%			0.000000%		4,952.70	6,933.80	11,886.50
636200	636200	4,686.45	6,561.10	11,247.55	0.000347%	1,475.00	2,065.00	0.003449%			0.000000%		6,161.45	8,626.10	14,787.55
636400	636400	240.00	336.00	576.00	0.000018%			0.000000%			0.000000%		240.00	336.00	576.00
636700	636700	37,000.38	51,800.35	88,800.73	0.002739%			0.000000%			0.000000%		37,000.38	51,800.35	88,800.73
636800	636800	47,204.89	66,086.58	113,291.47	0.003495%			0.000000%			0.000000%		47,204.89	66,086.58	113,291.47
636900	636900	720.00	1,008.00	1,728.00	0.000053%			0.000000%			0.000000%		720.00	1,008.00	1,728.00
637000	637000	24,623.53	34,472.97	59,096.50	0.001823%			0.000000%			0.000000%		24,623.53	34,472.97	59,096.50
637100	637100	8,067.29	11,294.23	19,361.52	0.000597%	705.40	987.54	0.001649%			0.000000%		8,772.69	12,281.77	21,054.46
637200	637200	1,229.04	1,720.91	2,949.95	0.000091%			0.000000%	568.08	568.20	0.000994%	227.16	1,797.12	2,516.27	4,313.39
637300	637300	46,861.38	65,605.50	112,466.88	0.003469%			0.000000%	5,305.30	5,305.32	0.009281%	2,122.07	52,166.68	73,032.89	125,199.57
637400	637400	15,261.42	21,380.17	36,641.59	0.001130%			0.000000%			0.000000%	(14.19)	15,261.42	21,365.98	36,627.40
637600	637600	9,134.71	12,788.58	21,923.29	0.000676%			0.000000%			0.000000%		9,134.71	12,788.58	21,923.29
637900	637900	31,679.03	44,350.59	76,029.62	0.002345%			0.000000%			0.000000%		31,679.03	44,350.59	76,029.62
638100	638108	12,389.81	17,345.70	29,735.51	0.000917%			0.000000%			0.000000%		12,389.81	17,345.70	29,735.51
638200	638200	13,845.75	19,384.07	33,229.82	0.001025%			0.000000%			0.000000%		13,845.75	19,384.07	33,229.82
638300	638308	6,999.96	9,800.04	16,800.00	0.000518%			0.000000%	3,915.00	3,915.00	0.006849%	1,566.00	10,914.96	15,281.04	26,196.00
638400	638400	28,203.47	39,483.96	67,687.43	0.002088%			0.000000%	21.95	21.94	0.000038%	8.75	28,225.42	39,514.65	67,740.07
638500	638500	25,645.58	35,903.67	61,549.25	0.001899%	3,578.97	5,010.63	0.008368%	14,255.91	14,255.92	0.024939%	5,702.28	43,480.46	60,872.50	104,352.96
638800	638808	146,693.23	205,370.41	352,063.64	0.010861%	3,870.36	5,418.52	0.009049%			0.000000%		150,563.59	210,788.93	361,352.52
638900	638900	180.00	252.07	432.07	0.000013%			0.000000%			0.000000%		180.00	252.07	432.07
639100	639100	2,574.87	3,604.82	6,179.69	0.000191%			0.000000%			0.000000%		2,574.87	3,604.82	6,179.69
639200	639200	27,019.34	37,826.83	64,846.17	0.002000%			0.000000%			0.000000%		27,019.34	37,826.83	64,846.17
639300	639300	1,277.52	1,788.48	3,066.00	0.000095%			0.000000%	1,809.97	1,809.94	0.003166%	723.99	3,087.49	4,322.41	7,409.90
639400	639400	1,008.00	1,411.34	2,419.34	0.000075%	24.00	33.60	0.000056%			0.000000%		1,032.00	1,444.94	2,476.94
639600	639600	3,507.69	4,910.74	8,418.43	0.000260%			0.000000%			0.000000%		3,507.69	4,910.74	8,418.43
639800	639808	15,881.81	22,234.57	38,116.38	0.001176%	6,227.52	8,718.48	0.014561%			0.000000%		22,109.33	30,953.05	53,062.38
639900	639900	15,906.68	22,269.40	38,176.08	0.001178%			0.000000%			0.000000%		15,906.68	22,269.40	38,176.08
661600	661600	1,409.10	1,962.37	3,371.47	0.000104%			0.000000%			0.000000%	10.74	1,409.10	1,973.11	3,382.21
675900	675900	77,036.77	107,851.53	184,888.30	0.005704%			0.000000%			0.000000%		77,036.77	107,851.53	184,888.30
675900	675908	4,953.87	6,935.37	11,889.24	0.000367%			0.000000%			0.000000%		4,953.87	6,935.37	11,889.24
676000	676008	3,157.74	4,420.83	7,578.57	0.000234%			0.000000%			0.000000%		3,157.74	4,420.83	7,578.57
676200	676200	801.05	1,121.52	1,922.57	0.000059%			0.000000%			0.000000%		801.05	1,121.52	1,922.57
676300	676300	5,034.69	7,048.38	12,083.07	0.000373%			0.000000%			0.000000%		5,034.69	7,048.38	12,083.07
676330	676330	11,177.60	15,648.71	26,826.31	0.000828%			0.000000%			0.000000%		11,177.60	15,648.71	26,826.31
676400	676400	720.00	1,008.00	1,728.00	0.000053%			0.000000%			0.000000%		720.00	1,008.00	1,728.00
676600	676600	497.04	695.84	1,192.88	0.000037%			0.000000%			0.000000%		497.04	695.84	1,192.88
676700	676708	21,002.03	29,402.78	50,404.81	0.001555%			0.000000%	240.00	240.00	0.000420%	96.00	21,242.03	29,738.78	50,980.81
676800	676800	2,289.00	3,204.60	5,493.60	0.000169%			0.000000%			0.000000%		2,289.00	3,204.60	5,493.60
676900	676900	13,788.41	19,303.66	33,092.07	0.001021%			0.000000%	417.50	417.50	0.000730%	166.99	14,205.91	19,888.15	34,094.06
676900	676908	49,054.02	68,675.41	117,729.43	0.003632%			0.000000%	9,295.94	9,295.93	0.016262%	3,718.33	58,349.96	81,689.67	140,039.63
677000	677008	126,031.26	176,443.86	302,475.12	0.009331%	302.50	423.50	0.000707%	1,413.49	1,413.51	0.002473%	565.37	127,747.25	178,846.24	306,593.49

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
677010	677010	232.68	325.68	558.36	0.000017%			0.000000%			0.000000%		232.68	325.68	558.36
677200	677200	32,158.04	45,021.15	77,179.19	0.002381%			0.000000%	780.00	780.00	0.001364%	312.00	32,938.04	46,113.15	79,051.19
677400	677408	844,179.92	1,181,882.27	2,026,062.19	0.062501%	32,612.63	45,657.35	0.076252%	98,208.53	98,208.16	0.171801%	39,250.09	975,001.08	1,364,997.87	2,339,998.95
677400	677508	3,851,677.32	5,393,162.64	9,244,839.96	0.285192%	123,255.20	171,559.57	0.286520%	74,052.35	74,052.23	0.129543%	29,794.99	4,048,984.87	5,668,569.43	9,717,554.30
677700	677700	1,700.04	2,380.03	4,080.07	0.000126%			0.000000%			0.000000%		1,700.04	2,380.03	4,080.07
677800	677808	329,311.52	461,030.15	790,341.67	0.024381%			0.000000%			0.000000%		329,311.52	461,030.15	790,341.67
677900	677900	1,281.25	1,793.81	3,075.06	0.000095%			0.000000%			0.000000%		1,281.25	1,793.81	3,075.06
678000	678008	855,669.55	1,197,935.00	2,053,604.55	0.063351%	48,469.81	67,857.71	0.113329%	43,067.62	43,067.48	0.075340%	17,227.10	947,206.98	1,326,087.29	2,273,294.27
678000	678108	2,450,319.04	3,430,499.93	5,880,818.97	0.181416%	55,809.37	78,067.67	0.130380%	49,445.00	49,444.90	0.086497%	19,777.95	2,555,573.41	3,577,790.45	6,133,363.86
678200	678200	2,183.73	3,057.06	5,240.79	0.000162%			0.000000%			0.000000%		2,183.73	3,057.06	5,240.79
678300	678300	39,625.71	55,475.77	95,101.48	0.002934%			0.000000%	1,391.44	1,391.43	0.002434%	556.58	41,017.15	57,423.78	98,440.93
678400	678400	560.03	783.95	1,343.98	0.000041%			0.000000%			0.000000%		560.03	783.95	1,343.98
678500	678500	5,495.27	7,693.49	13,188.76	0.000407%			0.000000%			0.000000%		5,495.27	7,693.49	13,188.76
678700	678700	2,567.20	3,594.08	6,161.28	0.000190%			0.000000%			0.000000%		2,567.20	3,594.08	6,161.28
678900	678900	1,850.04	2,589.96	4,440.00	0.000137%			0.000000%			0.000000%		1,850.04	2,589.96	4,440.00
679000	679000	19,742.70	27,724.72	47,467.42	0.001464%	4,126.72	5,692.38	0.009507%			0.000000%	0.02	23,869.42	33,417.12	57,286.54
679100	679108	36,037.20	50,452.01	86,489.21	0.002668%			0.000000%			0.000000%		36,037.20	50,452.01	86,489.21
679200	679200	6,924.41	9,694.00	16,618.41	0.000513%			0.000000%			0.000000%		6,924.41	9,694.00	16,618.41
679300	679300	694.00	976.60	1,670.60	0.000052%	42.00	58.80	0.000098%			0.000000%	(5.00)	736.00	1,030.40	1,766.40
679400	679408	132,063.03	184,887.95	316,950.98	0.009778%	358.00	501.20	0.000837%	10,807.44	10,807.57	0.018906%	4,322.85	143,228.47	200,519.57	343,748.04
679500	679500	18,248.19	25,547.74	43,795.93	0.001351%			0.000000%			0.000000%		18,248.19	25,547.74	43,795.93
679700	679708	113,359.51	158,702.94	272,062.45	0.008393%	12,741.65	17,838.24	0.029791%	36,843.76	36,843.82	0.064453%	14,737.44	162,944.92	228,122.44	391,067.36
679800	679800	5,443.43	7,620.81	13,064.24	0.000403%			0.000000%			0.000000%		5,443.43	7,620.81	13,064.24
679900	679900	30,039.10	42,054.70	72,093.80	0.002224%			0.000000%			0.000000%		30,039.10	42,054.70	72,093.80
680100	680100	104,334.61	146,067.83	250,402.44	0.007725%	1,092.29	1,529.22	0.002554%	80.89	80.89	0.000142%	32.36	105,507.79	147,710.30	253,218.09
680100	680108	197,330.23	276,262.46	473,592.69	0.014610%	17,833.54	24,966.96	0.041697%	11,970.94	11,970.89	0.020941%	4,788.39	227,134.71	317,988.70	545,123.41
680100	989608	79,903.75	111,202.67	191,106.42	0.005895%			0.000000%			0.000000%	47.87	79,903.75	111,250.54	191,154.29
680200	680200	56,662.32	79,327.06	135,989.38	0.004195%			0.000000%	3,667.89	3,667.85	0.006416%	1,467.15	60,330.21	84,462.06	144,792.27
680300	680300	2,060.04	2,884.03	4,944.07	0.000153%			0.000000%			0.000000%		2,060.04	2,884.03	4,944.07
680400	680400	8,583.85	12,017.47	20,601.32	0.000636%			0.000000%			0.000000%		8,583.85	12,017.47	20,601.32
680600	680600	1,579.38	2,211.08	3,790.46	0.000117%			0.000000%			0.000000%		1,579.38	2,211.08	3,790.46
680700	680708	28,998.91	40,598.50	69,597.41	0.002147%			0.000000%			0.000000%		28,998.91	40,598.50	69,597.41
680800	680800	533.00	746.24	1,279.24	0.000039%			0.000000%			0.000000%		533.00	746.24	1,279.24
680900	680900	2,214.50	3,100.36	5,314.86	0.000164%			0.000000%			0.000000%		2,214.50	3,100.36	5,314.86
680910	680910	402.83	564.01	966.84	0.000030%			0.000000%			0.000000%		402.83	564.01	966.84
680910	680918	30,864.47	43,210.28	74,074.75	0.002285%			0.000000%			0.000000%		30,864.47	43,210.28	74,074.75
681200	681200	2,095.50	2,939.72	5,035.22	0.000155%			0.000000%	470.52	470.58	0.000823%	182.10	2,566.02	3,592.40	6,158.42
681300	681300	1,085.40	1,519.63	2,605.03	0.000080%			0.000000%			0.000000%		1,085.40	1,519.63	2,605.03
681400	681400				0.000000%			0.000000%			0.000000%		(0.00)		
681400	681408	1,101,081.04	1,541,501.14	2,642,582.18	0.081520%	31,492.49	44,086.86	0.073629%	85,262.88	85,262.89	0.149155%	34,109.72	1,217,836.41	1,704,960.61	2,922,797.02
681400	980488	246,763.83	343,570.20	590,334.03	0.018211%			0.000000%			0.000000%	(0.01)	246,763.83	343,570.19	590,334.02
681500	681500	65,855.07	92,197.27	158,052.34	0.004876%	2,451.53	3,432.16	0.005732%	5,599.71	5,599.72	0.009796%	2,239.83	73,906.31	103,468.98	177,375.29
681500	681508	444,787.01	622,852.09	1,067,639.10	0.032935%	12,240.31	17,136.51	0.028620%	39,988.75	39,988.77	0.069954%	15,845.58	497,016.07	695,822.95	1,192,839.02
681500	980298	166,265.36	231,493.09	397,758.45	0.012270%			0.000000%			0.000000%		166,265.36	231,493.09	397,758.45
681600	681600	9,509.37	13,313.18	22,822.55	0.000704%			0.000000%			0.000000%		9,509.37	13,313.18	22,822.55
681700	681700	3,633.62	5,059.86	8,693.48	0.000268%			0.000000%			0.000000%	27.07	3,633.62	5,086.93	8,720.55
681800	681800	4,197.43	5,876.31	10,073.74	0.000311%			0.000000%			0.000000%		4,197.43	5,876.31	10,073.74
681900	681900	14,711.04	20,595.45	35,306.49	0.001089%			0.000000%			0.000000%		14,711.04	20,595.45	35,306.49
682000	682000	12,485.85	17,479.99	29,965.84	0.000924%			0.000000%			0.000000%		12,485.85	17,479.99	29,965.84
682100	682100	7,457.22	10,440.13	17,897.35	0.000552%			0.000000%			0.000000%		7,457.22	10,440.13	17,897.35
682300	682300	3,799.92	5,320.06	9,119.98	0.000281%			0.000000%			0.000000%		3,799.92	5,320.06	9,119.98
682700	682708	15,353.80	21,496.13	36,849.93	0.001137%			0.000000%	6,808.07	6,808.21	0.011910%	2,723.28	22,161.87	31,027.62	53,189.49
682800	682800	10,899.96	15,259.72	26,159.68	0.000807%			0.000000%			0.000000%		10,899.96	15,259.72	26,159.68
682900	682900	19,813.27	27,738.48	47,551.75	0.001467%			0.000000%			0.000000%		19,813.27	27,738.48	47,551.75
683000	683000	1,797.60	2,516.64	4,314.24	0.000133%			0.000000%			0.000000%		1,797.60	2,516.64	4,314.24
683100	683100	625.54	875.76	1,501.30	0.000046%			0.000000%			0.000000%		625.54	875.76	1,501.30
683100	683108	6,198.43	8,677.80	14,876.23	0.000459%	932.73	1,305.87	0.002181%			0.000000%		7,131.16	9,983.67	17,114.83
683200	683200	2,940.00	4,116.07	7,056.07	0.000218%			0.000000%			0.000000%		2,940.00	4,116.07	7,056.07
683300	683300	11,413.39	15,978.52	27,391.91	0.000845%			0.000000%			0.000000%		11,413.39	15,978.52	27,391.91
683500	683500	10,293.10	14,410.30	24,703.40	0.000762%			0.000000%			0.000000%		10,293.10	14,410.30	24,703.40
683600	683600	250.00	350.00	600.00	0.000019%			0.000000%			0.000000%		250.00	350.00	600.00
683700	683700	5,742.82	8,040.00	13,782.82	0.000425%			0.000000%			0.000000%		5,742.82	8,040.00	13,782.82
684100	684100	6,555.70	9,177.92	15,733.62	0.000485%			0.000000%			0.000000%		6,555.70	9,177.92	15,733.62

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
684200	684200	714.02	999.70	1,713.72	0.000053%			0.000000%			0.000000%		714.02	999.70	1,713.72
684300	684300	4,542.49	6,359.50	10,901.99	0.000336%			0.000000%			0.000000%		4,542.49	6,359.50	10,901.99
684400	684400	2,331.62	3,264.33	5,595.95	0.000173%			0.000000%			0.000000%		2,331.62	3,264.33	5,595.95
684500	684500	74,638.13	104,493.43	179,131.56	0.005526%	8,326.91	11,657.66	0.019469%	4,560.94	4,560.90	0.007979%	1,824.33	87,525.98	122,536.32	210,062.30
684600	684600	1,213.46	1,698.91	2,912.37	0.000090%			0.000000%			0.000000%		1,213.46	1,698.91	2,912.37
684700	684708	9,037.03	12,651.78	21,688.81	0.000669%	544.44	762.12	0.001273%			0.000000%		9,581.47	13,413.90	22,995.37
684800	684800	14,395.87	20,153.99	34,549.86	0.001066%			0.000000%			0.000000%		14,395.87	20,153.99	34,549.86
685000	685000	3,504.00	4,905.60	8,409.60	0.000259%			0.000000%			0.000000%		3,504.00	4,905.60	8,409.60
685400	685400	8,972.00	12,560.87	21,532.87	0.000664%			0.000000%			0.000000%		8,972.00	12,560.87	21,532.87
685500	685500	5,950.14	8,329.90	14,280.04	0.000441%	540.00	756.00	0.001263%			0.000000%		6,490.14	9,085.90	15,576.04
685600	685608	8,569.32	11,996.87	20,566.19	0.000634%			0.000000%			0.000000%		8,569.32	11,996.87	20,566.19
685700	685700	21,779.19	30,490.81	52,270.00	0.001612%			0.000000%			0.000000%		21,779.19	30,490.81	52,270.00
685800	685800	1,938.00	2,713.20	4,651.20	0.000143%	260.04	363.97	0.000608%			0.000000%		2,198.04	3,077.17	5,275.21
685900	685900	17,917.45	25,023.70	42,941.15	0.001325%			0.000000%			0.000000%	60.68	17,917.45	25,084.38	43,001.83
686000	686008	3,662,923.22	5,128,147.19	8,791,070.41	0.271193%	201,737.09	282,388.84	0.471615%	365,014.63	365,014.74	0.638540%	145,995.78	4,229,674.94	5,921,546.55	10,151,221.49
686400	686400	1,518,643.80	2,126,098.25	3,644,742.05	0.112436%	30,664.39	42,930.14	0.071697%	57,675.41	57,675.32	0.100894%	23,070.17	1,606,983.60	2,249,773.88	3,856,757.48
686700	686708	1,825,836.90	2,556,166.80	4,382,003.70	0.135179%	72,085.38	100,919.43	0.168545%	59,126.40	59,126.35	0.103433%	23,650.49	1,957,048.68	2,739,863.07	4,696,911.75
686800	686808				0.000000%			0.000000%			0.000000%				
686800	686820	315,772.00	442,080.65	757,852.65	0.023379%	10,716.89	15,003.70	0.025058%	6,734.56	6,734.51	0.011781%	2,693.79	333,223.45	466,512.65	799,736.10
687000	687008	1,013,959.41	1,419,541.58	2,433,500.99	0.075070%	61,850.00	86,589.77	0.144613%	150,551.61	150,551.51	0.263368%	60,220.51	1,226,361.02	1,716,903.37	2,943,264.39
687100	687108	611,067.73	855,494.10	1,466,561.83	0.045242%	12,017.04	16,823.88	0.028097%	38,299.60	38,299.64	0.067000%	15,319.75	661,384.37	925,937.37	1,587,321.74
687100	980088	152,194.78	211,901.90	364,096.68	0.011232%			0.000000%			0.000000%		152,194.78	211,901.90	364,096.68
687400	687400	7,891.97	11,048.73	18,940.70	0.000584%			0.000000%			0.000000%		7,891.97	11,048.73	18,940.70
687500	687508	260,413.89	364,579.65	624,993.54	0.019280%	22,185.57	31,059.83	0.051873%	11,777.52	11,777.52	0.020603%	4,710.99	294,376.98	412,127.99	706,504.97
687600	687600	1,063.69	1,489.17	2,552.86	0.000079%			0.000000%			0.000000%		1,063.69	1,489.17	2,552.86
687700	687700	810.00	1,134.12	1,944.12	0.000060%			0.000000%			0.000000%		810.00	1,134.12	1,944.12
687800	687808	1,507,348.63	2,110,402.73	3,617,751.36	0.111603%	61,383.76	85,817.83	0.143324%	115,698.97	115,698.90	0.202398%	46,279.50	1,684,431.36	2,358,198.96	4,042,630.32
687900	687900	2,515.35	3,521.57	6,036.92	0.000186%			0.000000%			0.000000%		2,515.35	3,521.57	6,036.92
688000	688000	1,168.00	1,635.20	2,803.20	0.000086%			0.000000%			0.000000%		1,168.00	1,635.20	2,803.20
688010	688018	441,405.86	617,965.19	1,059,371.05	0.032680%	158.28	221.59	0.000370%	16,107.46	16,107.44	0.028178%	6,442.80	457,671.60	640,737.02	1,098,408.62
688100	688100	2,400.00	3,360.00	5,760.00	0.000178%			0.000000%			0.000000%		2,400.00	3,360.00	5,760.00
688400	688400	22,365.30	31,311.42	53,676.72	0.001656%	5,501.60	7,702.24	0.012863%			0.000000%		27,866.90	39,013.66	66,880.56
688500	688500	5,587.63	7,822.61	13,410.24	0.000414%			0.000000%			0.000000%		5,587.63	7,822.61	13,410.24
688600	688600	209.39	293.13	502.52	0.000016%			0.000000%			0.000000%		209.39	293.13	502.52
688700	688700				0.000000%			0.000000%	600.00	600.00	0.001050%	240.00	600.00	840.00	1,440.00
688800	688800	30,396.02	42,554.39	72,950.41	0.002250%	1,455.29	2,037.38	0.003403%	807.76	807.74	0.001413%	323.08	32,659.07	45,722.59	78,381.66
688800	688808	224,956.50	315,260.08	540,216.58	0.016665%	8,246.44	11,545.04	0.019281%	18,069.89	18,069.89	0.031611%	6,906.70	251,272.83	351,781.71	603,054.54
688900	688908	102,960.08	144,143.00	247,103.08	0.007623%			0.000000%			0.000000%		102,960.08	144,143.00	247,103.08
689100	689108	259,165.46	362,831.61	621,997.07	0.019188%	6,665.43	9,331.55	0.015585%	11,136.14	11,136.11	0.019481%	4,454.40	276,967.03	387,753.67	664,720.70
689200	689208	26,693.74	37,371.21	64,064.95	0.001976%			0.000000%	367.00	367.00	0.000642%	146.80	27,060.74	37,885.01	64,945.75
689500	689508	1,292,295.30	1,809,211.33	3,101,506.63	0.095678%	59,199.13	82,878.59	0.138415%	44,074.90	44,074.94	0.077103%	17,629.85	1,395,569.33	1,953,794.71	3,349,364.04
689700	689700	988.80	1,384.32	2,373.12	0.000073%			0.000000%			0.000000%		988.80	1,384.32	2,373.12
689800	689800	265,888.90	372,244.26	638,133.16	0.019686%			0.000000%	4,076.44	4,076.43	0.007131%	1,630.60	269,965.34	377,951.29	647,916.63
689900	689908	116,309.40	162,833.29	279,142.69	0.008611%	36,238.45	50,733.98	0.084730%	39,661.78	39,661.79	0.069382%	15,864.47	192,209.63	269,093.53	461,303.16
690000	690000	16,679.15	23,350.84	40,029.99	0.001235%	590.00	825.96	0.001379%	150.00	150.00	0.000262%	60.00	17,419.15	24,386.80	41,805.95
690020	690020	48,950.30	68,530.24	117,480.54	0.003624%			0.000000%	8,846.17	8,846.18	0.015475%	3,538.42	57,796.47	80,914.84	138,711.31
690030	690030	13,490.17	18,886.12	32,376.29	0.000999%			0.000000%			0.000000%		13,490.17	18,886.12	32,376.29
690040	690048	56,460.35	79,044.21	135,504.56	0.004180%			0.000000%			0.000000%		56,460.35	79,044.21	135,504.56
690060	690060	2,146.09	3,004.59	5,150.68	0.000159%			0.000000%			0.000000%		2,146.09	3,004.59	5,150.68
690070	690078	110,707.84	154,990.64	265,698.48	0.008196%			0.000000%			0.000000%		110,707.84	154,990.64	265,698.48
690080	690080	24,660.28	34,260.12	58,920.40	0.001818%			0.000000%			0.000000%	264.18	24,660.28	34,524.30	59,184.58
690090	690090	2,633.26	3,686.57	6,319.83	0.000195%			0.000000%			0.000000%		2,633.26	3,686.57	6,319.83
690400	690408	4,925,295.55	6,886,347.01	11,811,642.56	0.364374%	141,813.93	198,392.06	0.331333%	570,946.00	570,944.95	0.998784%	237,582.56	5,638,055.48	7,893,266.58	13,531,322.06
690500	690508	1,296,542.06	1,814,938.38	3,111,480.44	0.095985%	92,915.72	130,081.97	0.217249%	131,001.60	131,001.52	0.229168%	52,620.83	1,520,459.38	2,128,642.70	3,649,102.08
690700	690708	845,704.27	1,183,986.30	2,029,690.57	0.062613%	53,287.30	74,602.15	0.124592%	148,241.91	148,241.91	0.259327%	59,296.80	1,047,233.48	1,466,127.16	2,513,360.64
690800	690808	61,150.35	85,610.54	146,760.89	0.004527%	7,538.35	10,553.71	0.017626%			0.000000%		68,688.70	96,164.25	164,852.95
690900	690908	27,915.92	39,082.25	66,998.17	0.002067%			0.000000%			0.000000%		27,915.92	39,082.25	66,998.17
690910	690918	149,451.84	209,232.75	358,684.59	0.011065%	4,463.35	6,248.63	0.010436%			0.000000%		153,915.19	215,481.38	369,396.57
691010	691010	2,457.15	3,440.01	5,897.16	0.000182%	13.45	18.83	0.000031%			0.000000%		2,470.60	3,458.84	5,929.44
691100	691100	31,226.46	43,716.71	74,943.17	0.002312%			0.000000%			0.000000%		31,226.46	43,716.71	74,943.17
691110	691110	1,054.20	1,475.88	2,530.08	0.000078%			0.000000%			0.000000%		1,054.20	1,475.88	2,530.08
691130	691130	2,543.83	3,561.47	6,105.30	0.000188%			0.000000%			0.000000%		2,543.83	3,561.47	6,105.30
691140	691148	19,643.01	27,500.04	47,143.05	0.001454%			0.000000%			0.000000%		19,643.01	27,500.04	47,143.05

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
691150	691150	14,998.03	20,879.95	35,877.98	0.001107%	90.00	125.26	0.000209%	7.20	7.20	0.000013%	120.95	15,095.23	21,133.36	36,228.59
691160	691160	2,813.90	3,939.47	6,753.37	0.000208%			0.000000%	900.00	900.00	0.001574%	360.00	3,713.90	5,199.47	8,913.37
691180	691180	13,194.32	18,471.99	31,666.31	0.000977%	2.00	2.80	0.000005%	82.64	82.63	0.000145%	33.07	13,278.96	18,590.49	31,869.45
691180	691188	56,653.93	79,315.47	135,969.40	0.004194%			0.000000%			0.000000%		56,653.93	79,315.47	135,969.40
691190	691198	35,022.16	49,030.87	84,053.03	0.002593%			0.000000%	2,630.74	2,630.76	0.004602%	1,052.31	37,652.90	52,713.94	90,366.84
691200	691200	21,157.61	29,620.62	50,778.23	0.001566%			0.000000%			0.000000%		21,157.61	29,620.62	50,778.23
691220	691220	528.00	739.20	1,267.20	0.000039%			0.000000%			0.000000%		528.00	739.20	1,267.20
691230	691230	13,926.06	19,782.45	33,708.51	0.001040%			0.000000%			0.000000%	(286.00)	13,926.06	19,496.45	33,422.51
691240	691240	37,629.56	52,680.97	90,310.53	0.002786%			0.000000%			0.000000%		37,629.56	52,680.97	90,310.53
691250	691258	2,195.39	3,073.28	5,268.67	0.000163%			0.000000%			0.000000%		2,195.39	3,073.28	5,268.67
691260	691260	36,975.40	51,765.18	88,740.58	0.002738%	362.30	507.24	0.000847%	355.68	355.68	0.000622%	142.28	37,693.38	52,770.38	90,463.76
691270	691270	532.00	744.80	1,276.80	0.000039%			0.000000%			0.000000%		532.00	744.80	1,276.80
691280	691280	963.00	1,348.27	2,311.27	0.000071%			0.000000%			0.000000%		963.00	1,348.27	2,311.27
691290	691290	255.00	357.00	612.00	0.000019%			0.000000%			0.000000%		255.00	357.00	612.00
691300	691300	9,177.37	12,848.26	22,025.63	0.000679%			0.000000%			0.000000%		9,177.37	12,848.26	22,025.63
691320	691320	6,362.90	8,908.10	15,271.00	0.000471%	1,901.86	2,662.61	0.004447%			0.000000%		8,264.76	11,570.71	19,835.47
691340	691340	1,080.09	1,512.08	2,592.17	0.000080%			0.000000%			0.000000%		1,080.09	1,512.08	2,592.17
691350	691350	11,378.76	15,930.05	27,308.81	0.000842%			0.000000%			0.000000%		11,378.76	15,930.05	27,308.81
691360	691360	6,043.71	8,461.16	14,504.87	0.000447%			0.000000%	4,344.51	4,344.51	0.007600%	1,737.83	10,388.22	14,543.50	24,931.72
691370	691370	489.60	685.44	1,175.04	0.000036%			0.000000%			0.000000%		489.60	685.44	1,175.04
691390	691390	3,559.56	4,983.42	8,542.98	0.000264%			0.000000%			0.000000%		3,559.56	4,983.42	8,542.98
691400	691400	32,422.23	45,390.88	77,813.11	0.002400%			0.000000%	7,374.76	7,374.80	0.012901%	2,949.83	39,796.99	55,715.51	95,512.50
691410	691410	15,868.19	22,215.63	38,083.82	0.001175%			0.000000%			0.000000%		15,868.19	22,215.63	38,083.82
691420	691420	520.00	728.00	1,248.00	0.000038%			0.000000%			0.000000%		520.00	728.00	1,248.00
691430	691430	500.04	700.03	1,200.07	0.000037%			0.000000%			0.000000%		500.04	700.03	1,200.07
691440	691440	1,851.08	2,591.55	4,442.63	0.000137%			0.000000%			0.000000%		1,851.08	2,591.55	4,442.63
691460	691468	7,933.38	11,106.72	19,040.10	0.000587%			0.000000%			0.000000%		7,933.38	11,106.72	19,040.10
691470	691478	63,829.19	89,360.79	153,189.98	0.004726%	6,410.54	8,974.79	0.014989%	8,238.76	8,238.76	0.014412%	3,295.51	78,478.49	109,869.85	188,348.34
691480	691480	468.00	655.20	1,123.20	0.000035%	72.00	100.80	0.000168%	24.00	24.00	0.000042%	9.60	564.00	789.60	1,353.60
691490	691498	1,638.00	2,293.20	3,931.20	0.000121%			0.000000%			0.000000%		1,638.00	2,293.20	3,931.20
691500	691500	96,135.88	134,590.20	230,726.08	0.007118%	10,822.08	15,150.92	0.025303%	328.80	328.80	0.000575%	131.52	107,286.76	150,201.44	257,488.20
691520	691520	4,055.32	5,677.36	9,732.68	0.000300%			0.000000%			0.000000%		4,055.32	5,677.36	9,732.68
691530	691530	4,957.27	6,940.18	11,897.45	0.000367%	3,846.11	5,384.53	0.008993%	75.00	75.10	0.000131%	29.90	8,878.38	12,429.71	21,308.09
691550	691550	32,803.00	45,924.25	78,727.25	0.002429%			0.000000%			0.000000%		32,803.00	45,924.25	78,727.25
691580	691580	10,650.63	14,910.86	25,561.49	0.000789%			0.000000%			0.000000%		10,650.63	14,910.86	25,561.49
691580	691588	120,215.77	168,302.17	288,517.94	0.008900%			0.000000%	11,834.74	11,834.73	0.020703%	4,733.87	132,050.51	184,870.77	316,921.28
691590	691590	1,272.00	1,780.94	3,052.94	0.000094%			0.000000%			0.000000%		1,272.00	1,780.94	3,052.94
691610	691610	141.00	197.40	338.40	0.000010%			0.000000%			0.000000%		141.00	197.40	338.40
691630	691630	72.00	100.80	172.80	0.000005%			0.000000%	240.00	240.00	0.000420%	96.00	312.00	436.80	748.80
691640	691648	45,532.97	63,746.00	109,278.97	0.003371%			0.000000%	2,596.98	2,596.94	0.004543%	1,038.77	48,129.95	67,381.71	115,511.66
691650	691650	252.00	352.74	604.74	0.000019%			0.000000%			0.000000%		252.00	352.74	604.74
691660	691660	1,039.19	1,455.05	2,494.24	0.000077%			0.000000%			0.000000%		1,039.19	1,455.05	2,494.24
691680	691680	666.00	932.40	1,598.40	0.000049%			0.000000%			0.000000%		666.00	932.40	1,598.40
691690	691690	570.00	798.00	1,368.00	0.000042%			0.000000%			0.000000%		570.00	798.00	1,368.00
691720	691720	536.03	750.42	1,286.45	0.000040%			0.000000%			0.000000%		536.03	750.42	1,286.45
691730	691738	740,081.36	1,036,128.88	1,776,210.24	0.054794%	33,644.46	47,082.64	0.078632%	30,012.83	30,012.70	0.052503%	12,005.09	803,738.65	1,125,229.31	1,928,967.96
691730	980128	80,566.00	112,172.55	192,738.55	0.005946%			0.000000%			0.000000%		80,566.00	112,172.55	192,738.55
691740	691740	3,370.32	4,718.46	8,088.78	0.000250%			0.000000%			0.000000%		3,370.32	4,718.46	8,088.78
691740	691748	83,620.74	117,069.14	200,689.88	0.006191%	8,145.47	11,403.68	0.019045%	18,512.29	18,512.31	0.032385%	7,404.88	110,278.50	154,390.01	264,668.51
691750	691758	74,032.62	103,645.41	177,678.03	0.005481%			0.000000%	1,178.73	1,178.74	0.002062%	471.48	75,211.35	105,295.63	180,506.98
691760	691760	40,618.74	56,866.18	97,484.92	0.003007%			0.000000%			0.000000%		40,618.74	56,866.18	97,484.92
691770	691770	1,221.00	1,709.61	2,930.61	0.000090%			0.000000%			0.000000%		1,221.00	1,709.61	2,930.61
691790	691790	4,016.63	5,623.47	9,640.10	0.000297%			0.000000%	300.00	300.00	0.000525%	120.00	4,316.63	6,043.47	10,360.10
691810	691810	550.00	769.99	1,319.99	0.000041%			0.000000%			0.000000%		550.00	769.99	1,319.99
691820	691828	34,469.34	48,249.94	82,719.28	0.002552%	766.22	1,072.71	0.001792%			0.000000%	6.98	35,235.56	49,329.63	84,565.19
691830	691830	7,242.90	10,139.99	17,382.89	0.000536%			0.000000%			0.000000%		7,242.90	10,139.99	17,382.89
691840	691840	792.00	1,108.80	1,900.80	0.000059%			0.000000%			0.000000%		792.00	1,108.80	1,900.80
691870	691878				0.000000%			0.000000%			0.000000%				
691890	691890	2,376.90	3,327.60	5,704.50	0.000176%			0.000000%			0.000000%		2,376.90	3,327.60	5,704.50
691900	691900	12,412.31	17,377.20	29,789.51	0.000919%	115.40	161.56	0.000270%			0.000000%		12,527.71	17,538.76	30,066.47
691910	691910	506.59	709.20	1,215.79	0.000038%			0.000000%			0.000000%		506.59	709.20	1,215.79
691930	691930	2,747.53	3,846.77	6,594.30	0.000203%			0.000000%			0.000000%		2,747.53	3,846.77	6,594.30
691940	691948	3,951,743.02	5,532,419.55	9,484,162.57	0.292574%	153,328.75	214,659.10	0.358500%	222,445.32	222,445.02	0.389135%	88,977.53	4,327,517.09	6,058,501.20	10,386,018.29

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
691940	980378	812,470.34	1,130,120.67	1,942,591.01	0.059926%			0.000000%			0.000000%	1,088.48	812,470.34	1,131,209.15	1,943,679.49
691950	691958	713,698.64	999,175.78	1,712,874.42	0.052840%	19,276.74	26,987.52	0.045072%	28,166.65	28,166.55	0.049273%	11,266.68	761,142.03	1,065,596.53	1,826,738.56
691960	691960	113,232.57	158,525.94	271,758.51	0.008383%			0.000000%			0.000000%		113,232.57	158,525.94	271,758.51
691970	691970	14,061.92	19,686.56	33,748.48	0.001041%			0.000000%			0.000000%	(0.08)	14,061.92	19,686.48	33,748.40
691980	691980	1,413.60	1,979.04	3,392.64	0.000105%			0.000000%			0.000000%		1,413.60	1,979.04	3,392.64
691990	691990	223.14	312.42	535.56	0.000017%			0.000000%			0.000000%		223.14	312.42	535.56
692000	692000	12,825.50	17,955.76	30,781.26	0.000950%	2,257.50	3,160.50	0.005278%			0.000000%		15,083.00	21,116.26	36,199.26
692010	692010	1,163.78	1,629.29	2,793.07	0.000086%			0.000000%			0.000000%		1,163.78	1,629.29	2,793.07
692020	692028	28,118.21	39,365.54	67,483.75	0.002082%			0.000000%	5,692.44	5,692.44	0.009958%	2,276.97	33,810.65	47,334.95	81,145.60
692040	692040	7,111.94	9,956.07	17,068.01	0.000527%			0.000000%			0.000000%		7,111.94	9,956.07	17,068.01
692050	692050	2,234.00	3,127.60	5,361.60	0.000165%			0.000000%			0.000000%		2,234.00	3,127.60	5,361.60
692060	692068	64,279.88	89,991.76	154,271.64	0.004759%			0.000000%			0.000000%		64,279.88	89,991.76	154,271.64
692090	692090	14,752.42	20,653.86	35,406.28	0.001092%			0.000000%			0.000000%		14,752.42	20,653.86	35,406.28
692110	692118	759,886.45	1,063,833.51	1,823,719.96	0.056259%	19,261.19	26,965.59	0.045035%	41,465.61	41,465.51	0.072538%	16,592.07	820,613.25	1,148,856.68	1,969,469.93
692110	980528	233,515.16	325,124.13	558,639.29	0.017233%			0.000000%			0.000000%		233,515.16	325,124.13	558,639.29
692130	692130	1,410.66	1,975.00	3,385.66	0.000104%			0.000000%			0.000000%		1,410.66	1,975.00	3,385.66
692140	692148	77,123.26	107,972.62	185,095.88	0.005710%			0.000000%	576.75	576.76	0.001009%	230.69	77,700.01	108,780.07	186,480.08
692160	692160	15,663.84	21,929.36	37,593.20	0.001160%			0.000000%			0.000000%		15,663.84	21,929.36	37,593.20
692170	692170	2,717.92	3,805.06	6,522.98	0.000201%	44.40	62.16	0.000104%			0.000000%		2,762.32	3,867.22	6,629.54
692190	692198	2,299,603.61	3,219,442.92	5,519,046.53	0.170256%	123,179.63	172,451.41	0.288009%	205,777.46	205,777.52	0.359978%	82,311.16	2,628,560.70	3,679,983.01	6,308,543.71
692190	981198	111,471.19	155,202.04	266,673.23	0.008227%			0.000000%			0.000000%		111,471.19	155,202.04	266,673.23
692200	692208	29,906.12	41,868.44	71,774.56	0.002214%			0.000000%			0.000000%		29,906.12	41,868.44	71,774.56
692210	692210				0.000000%			0.000000%			0.000000%				
692220	692220	37,299.77	52,219.58	89,519.35	0.002762%	3,018.48	4,225.90	0.007058%			0.000000%		40,318.25	56,445.48	96,763.73
692230	692230	6,702.85	9,383.86	16,086.71	0.000496%	97.50	136.50	0.000228%			0.000000%		6,800.35	9,520.36	16,320.71
692240	692240	4,053.68	5,675.14	9,728.82	0.000300%			0.000000%			0.000000%		4,053.68	5,675.14	9,728.82
692250	692250	9,245.21	12,943.20	22,188.41	0.000684%			0.000000%			0.000000%		9,245.21	12,943.20	22,188.41
692250	692258	627,665.64	878,739.13	1,506,404.77	0.046471%	13,628.73	19,080.21	0.031866%	74,489.89	74,489.85	0.130309%	29,788.31	715,784.26	1,002,097.50	1,717,881.76
692260	692260	24,123.19	33,772.38	57,895.57	0.001786%			0.000000%			0.000000%		24,123.19	33,772.38	57,895.57
692270	692270				0.000000%			0.000000%	1,692.44	1,692.33	0.002960%	676.94	1,692.44	2,369.27	4,061.71
692280	692280	600.00	840.00	1,440.00	0.000044%			0.000000%			0.000000%		600.00	840.00	1,440.00
692290	692290	4,486.47	6,276.65	10,763.12	0.000332%			0.000000%			0.000000%	4.28	4,486.47	6,280.93	10,767.40
692310	692310	14,102.79	19,743.81	33,846.60	0.001044%			0.000000%			0.000000%		14,102.79	19,743.81	33,846.60
692330	692330	4,493.93	6,291.49	10,785.42	0.000333%			0.000000%			0.000000%		4,493.93	6,291.49	10,785.42
692330	692338	125.00	175.03	300.03	0.000009%			0.000000%			0.000000%		125.00	175.03	300.03
692340	692340	517.56	724.59	1,242.15	0.000038%			0.000000%			0.000000%		517.56	724.59	1,242.15
692360	692360	270.00	378.00	648.00	0.000020%			0.000000%			0.000000%		270.00	378.00	648.00
692370	692370	9,103.96	12,745.55	21,849.51	0.000674%			0.000000%	172.38	172.39	0.000302%	68.94	9,276.34	12,986.88	22,263.22
692380	692380	31,979.58	44,771.67	76,751.25	0.002368%			0.000000%			0.000000%		31,979.58	44,771.67	76,751.25
692410	692410	480.00	672.00	1,152.00	0.000036%			0.000000%			0.000000%		480.00	672.00	1,152.00
692420	692428	5,035.68	7,049.98	12,085.66	0.000373%			0.000000%			0.000000%		5,035.68	7,049.98	12,085.66
692430	692430	4,485.55	6,279.86	10,765.41	0.000332%	3,503.00	4,904.20	0.008190%			0.000000%		7,988.55	11,184.06	19,172.61
692440	692440	433.00	606.22	1,039.22	0.000032%			0.000000%			0.000000%		433.00	606.22	1,039.22
692470	692470				0.000000%			0.000000%			0.000000%				
692480	692480	34,358.26	48,105.11	82,463.37	0.002544%	660.09	923.94	0.001543%			0.000000%	(3.60)	35,018.35	49,025.45	84,043.80
692500	692500	28,094.89	39,332.93	67,427.82	0.002080%			0.000000%	402.00	402.12	0.000703%	160.68	28,496.89	39,895.73	68,392.62
692510	692510	27,511.05	38,515.56	66,026.61	0.002037%	4,849.43	6,789.22	0.011339%			0.000000%		32,360.48	45,304.78	77,665.26
692520	692528	468,033.41	655,244.51	1,123,277.92	0.034652%	10,100.74	14,140.89	0.023617%	22,029.37	22,029.26	0.038537%	8,811.62	500,163.52	700,226.28	1,200,389.80
692530	692538	999.98	1,399.98	2,399.96	0.000074%			0.000000%			0.000000%		999.98	1,399.98	2,399.96
692540	692540	240.00	336.00	576.00	0.000018%			0.000000%			0.000000%		240.00	336.00	576.00
692550	692550	720.00	1,008.00	1,728.00	0.000053%			0.000000%			0.000000%		720.00	1,008.00	1,728.00
692560	692568	51,943.00	72,720.38	124,663.38	0.003846%			0.000000%			0.000000%		51,943.00	72,720.38	124,663.38
692570	692578	10,442.90	14,619.99	25,062.89	0.000773%			0.000000%			0.000000%		10,442.90	14,619.99	25,062.89
692580	692580	741.25	1,037.76	1,779.01	0.000055%			0.000000%			0.000000%		741.25	1,037.76	1,779.01
692590	692598	54,902.55	76,863.59	131,766.14	0.004065%			0.000000%	9,538.14	9,538.15	0.016686%	3,815.23	64,440.69	90,216.97	154,657.66
692600	692600	81,087.74	113,522.73	194,610.47	0.006003%			0.000000%			0.000000%		81,087.74	113,522.73	194,610.47
692610	692610	13,502.26	18,906.97	32,409.23	0.001000%	498.80	694.72	0.001160%	172.90	172.97	0.000303%	69.09	14,173.96	19,843.75	34,017.71
692620	692628	7,760.58	10,864.81	18,625.39	0.000575%			0.000000%			0.000000%		7,760.58	10,864.81	18,625.39
692630	692630	317.50	444.68	762.18	0.000024%			0.000000%			0.000000%		317.50	444.68	762.18
692640	692640	730,464.59	1,022,649.26	1,753,113.85	0.054081%	21,646.86	30,305.66	0.050613%	83,174.24	83,174.10	0.145501%	33,269.49	835,285.69	1,169,398.51	2,004,684.20
692650	692658	86,070.84	120,499.32	206,570.16	0.006372%			0.000000%			0.000000%		86,070.84	120,499.32	206,570.16
692660	692668	32,867.34	46,014.14	78,881.48	0.002433%			0.000000%	621.61	621.61	0.001087%	248.64	33,488.95	46,884.39	80,373.34
692670	692678	121,061.80	169,486.63	290,548.43	0.008963%	7,119.82	9,967.76	0.016647%	660.05	660.04	0.001155%	264.02	128,841.67	180,378.45	309,220.12

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
692680	692688	217,740.89	304,836.00	522,576.89	0.016121%			0.000000%			0.000000%		217,740.89	304,836.00	522,576.89
692690	692690	20,799.45	29,119.14	49,918.59	0.001540%			0.000000%			0.000000%		20,799.45	29,119.14	49,918.59
692700	692708	4,200.00	5,880.00	10,080.00	0.000311%			0.000000%			0.000000%		4,200.00	5,880.00	10,080.00
692710	692710	3,174.62	4,444.48	7,619.10	0.000235%			0.000000%			0.000000%		3,174.62	4,444.48	7,619.10
692730	692730	3,151.41	4,411.98	7,563.39	0.000233%			0.000000%	1,167.44	1,167.46	0.002042%	466.96	4,318.85	6,046.40	10,365.25
692740	692748	361,833.56	506,562.67	868,396.23	0.026789%	4,449.52	6,229.32	0.010404%	4,867.94	4,867.84	0.008516%	1,947.09	371,151.02	519,606.92	890,757.94
692740	980728	79,741.75	111,024.92	190,766.67	0.005885%			0.000000%			0.000000%		79,741.75	111,024.92	190,766.67
692750	692750	130.00	181.00	311.00	0.000010%			0.000000%			0.000000%	1.00	130.00	182.00	312.00
692760	692760	1,235.00	1,729.00	2,964.00	0.000091%			0.000000%			0.000000%		1,235.00	1,729.00	2,964.00
692770	692778	85,071.43	119,098.60	204,170.03	0.006298%			0.000000%	2,658.36	2,658.33	0.004650%	1,063.34	87,729.79	122,820.27	210,550.06
692780	692780	233.24	326.49	559.73	0.000017%			0.000000%			0.000000%		233.24	326.49	559.73
692790	692790	240.00	336.00	576.00	0.000018%			0.000000%			0.000000%		240.00	336.00	576.00
692800	692808	165,962.85	232,348.29	398,311.14	0.012287%			0.000000%			0.000000%		165,962.85	232,348.29	398,311.14
692810	692810	300.00	420.07	720.07	0.000022%			0.000000%			0.000000%		300.00	420.07	720.07
692820	692828	6,654.97	9,316.91	15,971.88	0.000493%			0.000000%			0.000000%		6,654.97	9,316.91	15,971.88
692830	692830	(216.00)	(167.40)	(383.40)	-0.000012%			0.000000%			0.000000%	(135.00)	(216.00)	(302.40)	(518.40)
692830	692838	16,328.91	24,095.26	40,424.17	0.001247%	624.91	874.88	0.001461%			0.000000%	(1,234.76)	16,953.82	23,735.38	40,689.20
692840	692840	4,628.69	6,480.38	11,109.07	0.000343%			0.000000%			0.000000%		4,628.69	6,480.38	11,109.07
692850	692850	1,007.20	1,410.18	2,417.38	0.000075%			0.000000%			0.000000%		1,007.20	1,410.18	2,417.38
692860	692860	321.35	449.89	771.24	0.000024%			0.000000%			0.000000%		321.35	449.89	771.24
692870	692870	44,885.96	62,840.28	107,726.24	0.003323%			0.000000%			0.000000%		44,885.96	62,840.28	107,726.24
692880	692880	21,982.64	30,775.25	52,757.89	0.001628%			0.000000%	5,374.50	5,374.50	0.009402%	2,149.86	27,357.14	38,299.61	65,656.75
692890	692890	33,814.50	47,340.53	81,155.03	0.002504%			0.000000%			0.000000%		33,814.50	47,340.53	81,155.03
692910	692910	108,025.82	151,235.86	259,261.68	0.007998%			0.000000%			0.000000%		108,025.82	151,235.86	259,261.68
692910	692918	6,923.06	9,692.29	16,615.35	0.000513%			0.000000%			0.000000%		6,923.06	9,692.29	16,615.35
692920	692920	5,501.95	7,705.16	13,207.11	0.000407%			0.000000%	2,597.73	2,597.74	0.004544%	1,036.49	8,099.68	11,339.39	19,439.07
692930	692930	500.04	699.96	1,200.00	0.000037%			0.000000%			0.000000%		500.04	699.96	1,200.00
692940	692940	1,212.00	1,696.87	2,908.87	0.000090%			0.000000%			0.000000%		1,212.00	1,696.87	2,908.87
692960	692960	3,233.17	4,526.55	7,759.72	0.000239%			0.000000%			0.000000%		3,233.17	4,526.55	7,759.72
692970	692970	2,831.83	3,964.56	6,796.39	0.000210%			0.000000%			0.000000%		2,831.83	3,964.56	6,796.39
692980	692980	8,687.53	12,162.68	20,850.21	0.000643%			0.000000%			0.000000%		8,687.53	12,162.68	20,850.21
692990	692990	4,375.50	6,125.73	10,501.23	0.000324%			0.000000%			0.000000%		4,375.50	6,125.73	10,501.23
693010	693018	73,318.50	102,645.47	175,963.97	0.005428%			0.000000%	4,301.88	4,301.88	0.007526%	1,720.74	77,620.38	108,668.09	186,288.47
693020	693020	1,737.08	2,431.91	4,168.99	0.000129%			0.000000%			0.000000%		1,737.08	2,431.91	4,168.99
693030	693030	39.97	56.04	96.01	0.000003%			0.000000%			0.000000%		39.97	56.04	96.01
693040	693048	181,210.38	253,694.24	434,904.62	0.013416%			0.000000%	95,637.97	95,638.52	0.167306%	38,255.16	276,848.35	387,587.92	664,436.27
693050	693050				0.000000%			0.000000%	2,083.65	2,083.69	0.003645%	833.41	2,083.65	2,917.10	5,000.75
693060	693060	600.00	840.00	1,440.00	0.000044%			0.000000%			0.000000%		600.00	840.00	1,440.00
693070	693070	240.00	336.00	576.00	0.000018%			0.000000%			0.000000%		240.00	336.00	576.00
693080	693080	52,848.12	73,987.25	126,835.37	0.003913%			0.000000%	4,794.37	4,794.38	0.008387%	1,917.72	57,642.49	80,699.35	138,341.84
693090	693090	5,634.49	7,888.24	13,522.73	0.000417%			0.000000%			0.000000%		5,634.49	7,888.24	13,522.73
693100	693108	74,634.67	104,488.37	179,123.04	0.005526%	5,590.07	7,826.09	0.013070%			0.000000%		80,224.74	112,314.46	192,539.20
693110	693110	386.88	541.64	928.52	0.000029%			0.000000%			0.000000%		386.88	541.64	928.52
693120	693128	40,219.33	56,307.12	96,526.45	0.002978%			0.000000%	11,712.86	11,712.75	0.020490%	4,685.18	51,932.19	72,705.05	124,637.24
693130	693130	34,329.84	48,079.19	82,409.03	0.002542%	14,465.68	20,251.94	0.033823%			0.000000%	(17.41)	48,795.52	68,313.72	117,109.24
693140	693140	14,658.91	20,522.48	35,181.39	0.001085%			0.000000%	27.00	27.00	0.000047%	10.80	14,685.91	20,560.28	35,246.19
693150	693150	857.50	1,200.50	2,058.00	0.000063%			0.000000%	137.50	137.61	0.000241%	54.89	995.00	1,393.00	2,388.00
693160	693160	5,213.98	7,299.56	12,513.54	0.000386%			0.000000%			0.000000%		5,213.98	7,299.56	12,513.54
693170	693170	665.00	931.07	1,596.07	0.000049%			0.000000%			0.000000%		665.00	931.07	1,596.07
693200	693200	6,374.53	8,924.58	15,299.11	0.000472%			0.000000%			0.000000%		6,374.53	8,924.58	15,299.11
693230	693230	47,454.74	66,436.59	113,891.33	0.003513%			0.000000%	11,908.51	11,908.50	0.020832%	4,763.37	59,363.25	83,108.46	142,471.71
693250	693250	106,873.15	149,622.67	256,495.82	0.007913%			0.000000%	26,201.05	26,200.92	0.045835%	10,480.38	133,074.20	186,303.97	319,378.17
693260	693260	1,842.04	2,578.84	4,420.88	0.000136%			0.000000%			0.000000%		1,842.04	2,578.84	4,420.88
693280	693280	441.00	617.40	1,058.40	0.000033%			0.000000%			0.000000%		441.00	617.40	1,058.40
693300	693300	784.53	1,098.35	1,882.88	0.000058%			0.000000%			0.000000%		784.53	1,098.35	1,882.88
693310	693310	8,462.98	11,848.22	20,311.20	0.000627%			0.000000%			0.000000%		8,462.98	11,848.22	20,311.20
693320	693320	1,200.00	1,680.00	2,880.00	0.000089%			0.000000%			0.000000%		1,200.00	1,680.00	2,880.00
693330	693330	916.63	1,283.37	2,200.00	0.000068%			0.000000%			0.000000%		916.63	1,283.37	2,200.00
693340	693340	400.00	560.00	960.00	0.000030%			0.000000%			0.000000%		400.00	560.00	960.00
693350	693350	3,544.36	4,961.92	8,506.28	0.000262%			0.000000%			0.000000%		3,544.36	4,961.92	8,506.28
693370	693378	64,477.62	90,269.00	154,746.62	0.004774%			0.000000%			0.000000%		64,477.62	90,269.00	154,746.62
693370	981048	9,972.32	13,884.80	23,857.12	0.000736%			0.000000%			0.000000%		9,972.32	13,884.80	23,857.12
693380	693388	244,759.10	342,662.21	587,421.31	0.018121%	5,353.34	7,494.66	0.012517%	22,706.38	22,706.31	0.039721%	9,082.57	272,818.82	381,945.75	654,764.57

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
693390	693390	1,080.00	1,512.00	2,592.00	0.000080%			0.000000%			0.000000%		1,080.00	1,512.00	2,592.00
693400	693408	95,016.48	133,023.20	228,039.68	0.007035%	5,182.72	7,255.82	0.012118%	26,019.29	26,019.26	0.045517%	10,407.78	126,218.49	176,706.06	302,924.55
693410	693418	36,743.66	51,441.07	88,184.73	0.002720%	4,596.42	6,434.99	0.010747%			0.000000%		41,340.08	57,876.06	99,216.14
693420	693420	4,056.78	5,679.57	9,736.35	0.000300%			0.000000%	2.70	2.71	0.000005%	1.07	4,059.48	5,683.35	9,742.83
693430	693430	820.27	1,148.43	1,968.70	0.000061%			0.000000%	400.00	400.00	0.000700%	160.00	1,220.27	1,708.43	2,928.70
693450	693450	156.00	218.47	374.47	0.000012%			0.000000%			0.000000%		156.00	218.47	374.47
693470	693470	48,587.73	68,025.08	116,612.81	0.003597%			0.000000%			0.000000%		48,587.73	68,025.08	116,612.81
693480	693480	2,616.72	3,663.33	6,280.05	0.000194%			0.000000%			0.000000%		2,616.72	3,663.33	6,280.05
693490	693490	1,650.00	2,310.00	3,960.00	0.000122%			0.000000%			0.000000%		1,650.00	2,310.00	3,960.00
693500	693500	21,463.00	30,047.94	51,510.94	0.001589%			0.000000%	530.92	530.92	0.000929%	212.30	21,993.92	30,791.16	52,785.08
693500	980980	8,134.83	11,326.44	19,461.27	0.000600%			0.000000%			0.000000%	(0.01)	8,134.83	11,326.43	19,461.26
693520	693520	9,227.22	12,918.09	22,145.31	0.000683%			0.000000%			0.000000%		9,227.22	12,918.09	22,145.31
693530	693530	130,164.20	182,235.45	312,399.65	0.009637%	5,256.98	7,359.72	0.012291%	3,257.21	3,257.24	0.005698%	1,297.09	138,678.39	194,149.50	332,827.89
693540	693540	1,149.96	1,610.04	2,760.00	0.000085%			0.000000%			0.000000%		1,149.96	1,610.04	2,760.00
693550	693558	22,970.79	32,159.12	55,129.91	0.001701%			0.000000%			0.000000%		22,970.79	32,159.12	55,129.91
693570	693578	49,256.13	68,957.92	118,214.05	0.003647%	3,294.41	4,612.13	0.007703%	6,160.17	6,160.30	0.010777%	2,464.06	58,710.71	82,194.41	140,905.12
693590	693598	123,341.08	172,634.87	295,975.95	0.009130%	7,965.15	11,151.25	0.018624%	5,592.94	5,592.98	0.009784%	2,279.76	136,899.17	191,658.86	328,558.03
693610	693618	43,481.92	60,874.52	104,356.44	0.003219%	2,240.25	3,136.33	0.005238%			0.000000%		45,722.17	64,010.85	109,733.02
693620	693620	864.00	1,209.60	2,073.60	0.000064%			0.000000%			0.000000%		864.00	1,209.60	2,073.60
693630	693638	307,736.55	430,830.97	738,567.52	0.022784%	9,135.22	12,789.33	0.021359%			0.000000%		316,871.77	443,620.30	760,492.07
693640	693640	78,592.24	110,030.50	188,622.74	0.005819%			0.000000%			0.000000%		78,592.24	110,030.50	188,622.74
693650	693658	449.60	629.44	1,079.04	0.000033%			0.000000%			0.000000%		449.60	629.44	1,079.04
693660	693660	515.04	720.96	1,236.00	0.000038%			0.000000%			0.000000%		515.04	720.96	1,236.00
693670	693670	1,604.15	2,245.83	3,849.98	0.000119%	6,259.21	8,762.90	0.014635%			0.000000%		7,863.36	11,008.73	18,872.09
693680	693680	5,552.49	7,773.53	13,326.02	0.000411%			0.000000%			0.000000%		5,552.49	7,773.53	13,326.02
693710	693710	400.00	560.00	960.00	0.000030%			0.000000%			0.000000%		400.00	560.00	960.00
693720	693720	401.10	561.54	962.64	0.000030%			0.000000%			0.000000%		401.10	561.54	962.64
693730	693730	1,200.00	1,680.00	2,880.00	0.000089%			0.000000%			0.000000%		1,200.00	1,680.00	2,880.00
693740	693740				0.000000%			0.000000%			0.000000%				
693750	693750				0.000000%			0.000000%	844.80	844.80	0.001478%	337.92	844.80	1,182.72	2,027.52
693760	693760	915.89	1,255.94	2,171.83	0.000067%			0.000000%			0.000000%	26.17	915.89	1,282.11	2,198.00
693770	693770	9,596.08	13,434.53	23,030.61	0.000710%			0.000000%			0.000000%		9,596.08	13,434.53	23,030.61
693770	693778	9,596.08	13,434.53	23,030.61	0.000710%			0.000000%			0.000000%		9,596.08	13,434.53	23,030.61
693780	693780	519.72	727.56	1,247.28	0.000038%			0.000000%			0.000000%		519.72	727.56	1,247.28
693790	693790	720.00	1,008.00	1,728.00	0.000053%			0.000000%			0.000000%		720.00	1,008.00	1,728.00
693810	693810	14,312.48	20,037.52	34,350.00	0.001060%	3,861.42	5,405.92	0.009028%			0.000000%		18,173.90	25,443.44	43,617.34
693820	693828	79,513.77	111,284.80	190,798.57	0.005886%			0.000000%	13,928.75	13,928.69	0.024366%	5,605.95	93,442.52	130,819.44	224,261.96
693850	693850	83.40	116.76	200.16	0.000006%			0.000000%			0.000000%		83.40	116.76	200.16
693860	693860	158,009.19	221,212.55	379,221.74	0.011699%			0.000000%	12,639.17	12,639.16	0.022110%	5,055.67	170,648.36	238,907.38	409,555.74
693870	693870	670.00	931.00	1,601.00	0.000049%			0.000000%			0.000000%	7.00	670.00	938.00	1,608.00
693880	693880				0.000000%			0.000000%			0.000000%				
693880	693888	4,250.00	5,950.00	10,200.00	0.000315%			0.000000%			0.000000%		4,250.00	5,950.00	10,200.00
693910	693910	75.00	105.00	180.00	0.000006%			0.000000%			0.000000%		75.00	105.00	180.00
694010	694018	2,323.39	3,252.72	5,576.11	0.000172%			0.000000%			0.000000%		2,323.39	3,252.72	5,576.11
694210	694210	31,874.85	44,624.63	76,499.48	0.002360%			0.000000%	151.32	151.32	0.000265%	60.51	32,026.17	44,836.46	76,862.63
694310	694318	9,537.88	13,352.95	22,890.83	0.000706%			0.000000%			0.000000%		9,537.88	13,352.95	22,890.83
694410	694410	360.00	504.00	864.00	0.000027%			0.000000%	557.80	557.82	0.000976%	223.11	917.80	1,284.93	2,202.73
694430	694430	500.03	700.02	1,200.05	0.000037%			0.000000%			0.000000%		500.03	700.02	1,200.05
694500	694500	2,211.24	3,095.75	5,306.99	0.000164%			0.000000%	198.16	198.16	0.000347%	79.26	2,409.40	3,373.17	5,782.57
694600	694600	74,023.48	103,632.79	177,656.27	0.005480%			0.000000%			0.000000%		74,023.48	103,632.79	177,656.27
694600	694608	1,548,737.06	2,168,231.27	3,716,968.33	0.114664%	84,404.44	118,166.22	0.197348%	180,898.65	180,898.50	0.316455%	72,359.43	1,814,040.15	2,539,655.42	4,353,695.57
695100	695100	265.00	371.01	636.01	0.000020%			0.000000%			0.000000%		265.00	371.01	636.01
695400	695400	236.00	330.61	566.61	0.000017%			0.000000%			0.000000%		236.00	330.61	566.61
695500	695500	3,639.00	5,094.62	8,733.62	0.000269%			0.000000%			0.000000%		3,639.00	5,094.62	8,733.62
695600	695608	954,357.84	1,336,100.93	2,290,458.77	0.070658%	40,276.99	56,387.84	0.094173%	63,348.70	63,348.74	0.110819%	25,339.45	1,057,983.53	1,481,176.96	2,539,160.49
695800	695808	196,005.61	274,406.75	470,412.36	0.014512%	2,203.51	3,084.85	0.005152%	13,538.19	13,538.25	0.023683%	5,415.20	211,747.31	296,445.05	508,192.36
695820	695828	15,558.19	21,781.37	37,339.56	0.001152%	7,618.85	10,666.37	0.017814%	36,216.81	36,216.53	0.063355%	14,486.88	59,393.85	83,151.15	142,545.00
695900	695900	1,101.35	1,541.96	2,643.31	0.000082%			0.000000%			0.000000%		1,101.35	1,541.96	2,643.31
696000	696000	4,599.31	6,439.04	11,038.35	0.000341%			0.000000%	925.00	925.00	0.001618%	370.00	5,524.31	7,734.04	13,258.35
696100	696100	5,629.72	7,881.59	13,511.31	0.000417%			0.000000%			0.000000%		5,629.72	7,881.59	13,511.31
696100	696108	609.96	853.92	1,463.88	0.000045%			0.000000%			0.000000%		609.96	853.92	1,463.88
696200	696200	45,568.11	63,795.56	109,363.67	0.003374%			0.000000%			0.000000%		45,568.11	63,795.56	109,363.67
696500	696500	395.04	553.03	948.07	0.000029%			0.000000%			0.000000%		395.04	553.03	948.07

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
696600	696600	58,411.73	81,776.08	140,187.81	0.004325%	46.95	65.72	0.000110%	4,594.94	4,594.92	0.008038%	1,837.93	63,053.62	88,274.65	151,328.27
696700	696708	4,788,855.36	6,701,299.24	11,490,154.60	0.354457%	271,515.92	379,988.32	0.634615%	497,396.75	497,397.39	0.870124%	202,193.19	5,557,768.03	7,780,878.14	13,338,646.17
697100	697100	48,991.43	68,587.89	117,579.32	0.003627%			0.000000%			0.000000%		48,991.43	68,587.89	117,579.32
697200	697200	1,276.35	1,786.98	3,063.33	0.000094%	60.00	84.00	0.000140%			0.000000%		1,336.35	1,870.98	3,207.33
697300	697300	103,358.25	144,700.99	248,059.24	0.007652%	2,270.79	3,179.10	0.005309%	14,931.78	14,931.80	0.026121%	5,972.76	120,560.82	168,784.65	289,345.47
697500	697500	569,067.61	796,657.23	1,365,724.84	0.042131%			0.000000%	5,327.33	5,327.29	0.009319%	2,167.68	574,394.94	804,152.20	1,378,547.14
697600	697608	5,442,074.20	7,619,036.89	13,061,111.09	0.402919%	188,356.16	263,698.37	0.440400%	311,076.38	311,077.48	0.544184%	124,296.93	5,941,506.74	8,318,109.67	14,259,616.41
697700	697708	894,109.71	1,251,703.01	2,145,812.72	0.066196%	17,633.50	24,686.79	0.041229%	24,213.75	24,213.77	0.042358%	9,735.32	935,956.96	1,310,338.89	2,246,295.85
698000	698008	2,275,808.72	3,186,212.72	5,462,021.44	0.168496%	67,962.07	95,146.67	0.158904%	26,124.02	26,123.94	0.045700%	10,364.99	2,369,894.81	3,317,848.32	5,687,743.13
698000	988018	9,548.52	13,294.40	22,842.92	0.000705%			0.000000%			0.000000%		9,548.52	13,294.40	22,842.92
698210	698218	64,813.49	90,738.80	155,552.29	0.004799%			0.000000%			0.000000%		64,813.49	90,738.80	155,552.29
698310	698310	1,799.88	2,519.97	4,319.85	0.000133%			0.000000%			0.000000%		1,799.88	2,519.97	4,319.85
698500	698500	3,284.43	4,598.21	7,882.64	0.000243%			0.000000%			0.000000%		3,284.43	4,598.21	7,882.64
698600	698600	4,274.93	5,984.80	10,259.73	0.000316%	5,739.92	8,035.96	0.013421%			0.000000%		10,014.85	14,020.76	24,035.61
698700	698700	5,609.30	7,852.90	13,462.20	0.000415%			0.000000%			0.000000%		5,609.30	7,852.90	13,462.20
698800	698800	282,536.47	394,474.72	677,011.19	0.020885%	5,898.65	8,237.00	0.013757%			0.000000%	1,096.81	288,435.12	403,808.53	692,243.65
698900	698900	1,825.95	2,556.37	4,382.32	0.000135%			0.000000%			0.000000%		1,825.95	2,556.37	4,382.32
699000	699000	347.71	486.86	834.57	0.000026%			0.000000%			0.000000%		347.71	486.86	834.57
699100	699100	4,054.13	5,675.69	9,729.82	0.000300%			0.000000%			0.000000%		4,054.13	5,675.69	9,729.82
699200	699208	222,044.23	310,862.11	532,906.34	0.016439%	4,591.01	6,427.41	0.010734%	17,034.92	17,034.95	0.029800%	6,813.89	243,670.16	341,138.36	584,808.52
699300	699300	1,895.94	2,654.23	4,550.17	0.000140%			0.000000%			0.000000%		1,895.94	2,654.23	4,550.17
699500	699500	480.00	672.07	1,152.07	0.000036%			0.000000%			0.000000%		480.00	672.07	1,152.07
699600	699600	6,857.36	9,600.31	16,457.67	0.000508%			0.000000%	92.00	92.00	0.000161%	36.80	6,949.36	9,729.11	16,678.47
699700	699700	3,427.24	4,798.16	8,225.40	0.000254%			0.000000%			0.000000%		3,427.24	4,798.16	8,225.40
699900	699900	66,703.09	94,542.20	161,245.29	0.004974%	3,649.18	5,172.61	0.008639%	4,971.06	4,971.15	0.008696%	764.06	75,323.33	105,450.02	180,773.35
700100	700100	5,580.58	7,812.79	13,393.37	0.000413%			0.000000%			0.000000%		5,580.58	7,812.79	13,393.37
700200	700200	5,978.62	8,370.03	14,348.65	0.000443%			0.000000%			0.000000%		5,978.62	8,370.03	14,348.65
700300	700300	5,280.68	7,392.61	12,673.29	0.000391%			0.000000%			0.000000%		5,280.68	7,392.61	12,673.29
700400	700400	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
700500	700500	5,902.92	8,264.08	14,167.00	0.000437%			0.000000%			0.000000%		5,902.92	8,264.08	14,167.00
700600	700600	4,320.48	6,048.57	10,369.05	0.000320%	518.93	726.50	0.001213%			0.000000%		4,839.41	6,775.07	11,614.48
700700	700700	4,140.24	5,796.22	9,936.46	0.000307%			0.000000%			0.000000%		4,140.24	5,796.22	9,936.46
700800	700800	8,454.18	11,835.56	20,289.74	0.000626%			0.000000%			0.000000%		8,454.18	11,835.56	20,289.74
700900	700900	9,319.71	13,047.32	22,367.03	0.000690%			0.000000%			0.000000%		9,319.71	13,047.32	22,367.03
701000	701000	6,176.03	8,646.32	14,822.35	0.000457%			0.000000%			0.000000%		6,176.03	8,646.32	14,822.35
701100	701100	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
701200	701200	9,978.65	13,969.71	23,948.36	0.000739%			0.000000%			0.000000%		9,978.65	13,969.71	23,948.36
701300	701300	8,585.75	12,019.75	20,605.50	0.000636%			0.000000%			0.000000%		8,585.75	12,019.75	20,605.50
701400	701400	6,494.58	9,092.13	15,586.71	0.000481%			0.000000%			0.000000%		6,494.58	9,092.13	15,586.71
701500	701500	5,044.08	7,061.70	12,105.78	0.000373%			0.000000%			0.000000%		5,044.08	7,061.70	12,105.78
701600	701600	7,582.81	10,615.83	18,198.64	0.000561%			0.000000%	936.00	936.00	0.001637%	374.40	8,518.81	11,926.23	20,445.04
701700	701700	42.84	47.38	90.22	0.000003%			0.000000%			0.000000%	22.93	42.84	70.31	113.15
701700	701708	33,735.89	47,230.18	80,966.07	0.002498%			0.000000%			0.000000%		33,735.89	47,230.18	80,966.07
701800	701800	7,884.13	11,037.59	18,921.72	0.000584%			0.000000%	1,559.76	1,559.76	0.002729%	623.88	9,443.89	13,221.23	22,665.12
701900	701908	27,183.93	38,057.54	65,241.47	0.002013%	1,361.17	1,905.72	0.003183%	1,326.95	1,326.97	0.002321%	530.71	29,872.05	41,820.94	71,692.99
702000	702000	8,230.22	11,522.05	19,752.27	0.000609%			0.000000%			0.000000%		8,230.22	11,522.05	19,752.27
702100	702100	10,378.45	14,529.69	24,908.14	0.000768%	1,134.23	1,587.84	0.002652%			0.000000%		11,512.68	16,117.53	27,630.21
702200	702200	8,831.08	12,363.21	21,194.29	0.000654%			0.000000%			0.000000%		8,831.08	12,363.21	21,194.29
702400	702400	26,872.30	37,621.76	64,494.06	0.001990%	2,451.04	3,431.36	0.005731%	293.76	293.76	0.000514%	117.48	29,617.10	41,464.36	71,081.46
702500	702500	8,186.24	11,460.58	19,646.82	0.000606%			0.000000%	1,923.73	1,923.72	0.003365%	769.47	10,109.97	14,153.77	24,263.74
702600	702608	90,885.67	127,239.53	218,125.20	0.006729%	2,588.70	3,624.10	0.006053%	2,350.03	2,350.03	0.004111%	940.01	95,824.40	134,153.67	229,978.07
702600	989308	95,061.01	132,354.27	227,415.28	0.007015%			0.000000%			0.000000%		95,061.01	132,354.27	227,415.28
702700	702700	9,397.39	13,156.34	22,553.73	0.000696%			0.000000%			0.000000%		9,397.39	13,156.34	22,553.73
702800	702800	8,365.10	11,711.14	20,076.24	0.000619%	936.00	1,310.40	0.002188%			0.000000%		9,301.10	13,021.54	22,322.64
702900	702900	7,697.74	10,776.88	18,474.62	0.000570%			0.000000%	1,403.88	1,403.88	0.002456%	561.60	9,101.62	12,742.36	21,843.98
703000	703000	13,003.62	18,204.69	31,208.31	0.000963%			0.000000%			0.000000%		13,003.62	18,204.69	31,208.31
703100	703100	11,705.62	16,387.79	28,093.41	0.000867%			0.000000%			0.000000%		11,705.62	16,387.79	28,093.41
703200	703200	8,909.76	12,473.70	21,383.46	0.000660%			0.000000%			0.000000%		8,909.76	12,473.70	21,383.46
703300	703300	3,087.94	4,335.83	7,423.77	0.000229%	1,689.74	2,352.61	0.003929%			0.000000%		4,777.68	6,688.44	11,466.12
703400	703400	7,300.31	10,220.18	17,520.49	0.000540%			0.000000%			0.000000%		7,300.31	10,220.18	17,520.49
703500	703500	8,649.34	12,108.84	20,758.18	0.000640%			0.000000%			0.000000%		8,649.34	12,108.84	20,758.18
703600	703600	10,198.88	14,278.03	24,476.91	0.000755%			0.000000%			0.000000%		10,198.88	14,278.03	24,476.91
703700	703700	11,392.38	15,949.51	27,341.89	0.000843%	3,612.33	5,057.19	0.008446%			0.000000%		15,004.71	21,006.70	36,011.41

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
703800	703800	12,149.21	17,009.32	29,158.53	0.000900%			0.000000%			0.000000%		12,149.21	17,009.32	29,158.53
703900	703900	8,469.99	11,857.64	20,327.63	0.000627%			0.000000%			0.000000%		8,469.99	11,857.64	20,327.63
704000	704000	6,919.80	9,687.79	16,607.59	0.000512%	936.00	1,310.40	0.002188%			0.000000%		7,855.80	10,998.19	18,853.99
704100	704100	11,222.12	15,711.17	26,933.29	0.000831%			0.000000%			0.000000%		11,222.12	15,711.17	26,933.29
704200	704200	7,532.84	10,545.96	18,078.80	0.000558%			0.000000%			0.000000%		7,532.84	10,545.96	18,078.80
704300	704300	11,203.65	15,685.33	26,888.98	0.000829%	2,183.64	3,057.01	0.005105%			0.000000%		13,387.29	18,742.34	32,129.63
704400	704400	13,402.57	18,763.51	32,166.08	0.000992%	1,134.24	1,587.84	0.002652%	1,134.24	1,134.24	0.001984%	453.60	15,671.05	21,939.19	37,610.24
704500	704500	50,954.73	71,336.24	122,290.97	0.003773%			0.000000%			0.000000%		50,954.73	71,336.24	122,290.97
704600	704600	19,971.13	27,959.97	47,931.10	0.001479%			0.000000%			0.000000%		19,971.13	27,959.97	47,931.10
704700	704700	7,356.64	10,299.24	17,655.88	0.000545%			0.000000%			0.000000%		7,356.64	10,299.24	17,655.88
704800	704800	5,331.58	7,464.20	12,795.78	0.000395%			0.000000%			0.000000%		5,331.58	7,464.20	12,795.78
705000	705000	2,942.34	4,119.34	7,061.68	0.000218%			0.000000%			0.000000%		2,942.34	4,119.34	7,061.68
705100	705100	5,000.28	7,000.08	12,000.36	0.000370%			0.000000%			0.000000%		5,000.28	7,000.08	12,000.36
705200	705200	19,441.15	27,217.67	46,658.82	0.001439%	1,339.00	1,874.59	0.003131%			0.000000%		20,780.15	29,092.26	49,872.41
705300	705300	18,264.99	25,570.92	43,835.91	0.001352%			0.000000%			0.000000%		18,264.99	25,570.92	43,835.91
705400	705400	10,490.46	14,686.40	25,176.86	0.000777%			0.000000%			0.000000%		10,490.46	14,686.40	25,176.86
705500	705500	7,263.73	10,168.91	17,432.64	0.000538%	4,555.50	6,377.70	0.010651%			0.000000%		11,819.23	16,546.61	28,365.84
705600	705600	15,996.01	22,394.28	38,390.29	0.001184%			0.000000%			0.000000%		15,996.01	22,394.28	38,390.29
705700	705700	9,428.65	13,199.79	22,628.44	0.000698%	181.70	254.37	0.000425%	1,559.76	1,559.76	0.002729%	623.88	11,170.11	15,637.80	26,807.91
705800	705800	12,392.89	17,349.57	29,742.46	0.000918%			0.000000%			0.000000%		12,392.89	17,349.57	29,742.46
705900	705900	7,177.06	10,047.54	17,224.60	0.000531%			0.000000%			0.000000%		7,177.06	10,047.54	17,224.60
706000	706000	9,218.49	12,905.64	22,124.13	0.000683%			0.000000%			0.000000%		9,218.49	12,905.64	22,124.13
706100	706100	9,759.36	13,662.73	23,422.09	0.000723%			0.000000%			0.000000%		9,759.36	13,662.73	23,422.09
706200	706200	9,951.52	13,932.07	23,883.59	0.000737%			0.000000%			0.000000%		9,951.52	13,932.07	23,883.59
706300	706300	14,866.54	20,812.81	35,679.35	0.001101%			0.000000%			0.000000%		14,866.54	20,812.81	35,679.35
706400	706400	3,780.16	5,292.15	9,072.31	0.000280%			0.000000%			0.000000%		3,780.16	5,292.15	9,072.31
706500	706500	9,455.12	13,237.07	22,692.19	0.000700%			0.000000%			0.000000%		9,455.12	13,237.07	22,692.19
706600	706600	65,120.73	91,169.09	156,289.82	0.004821%			0.000000%	2,339.64	2,339.64	0.004093%	935.76	67,460.37	94,444.49	161,904.86
706700	706700	11,999.04	16,798.36	28,797.40	0.000888%			0.000000%			0.000000%		11,999.04	16,798.36	28,797.40
706800	706800	11,599.27	16,239.00	27,838.27	0.000859%			0.000000%			0.000000%		11,599.27	16,239.00	27,838.27
706900	706900	2,874.24	4,024.11	6,898.35	0.000213%			0.000000%			0.000000%		2,874.24	4,024.11	6,898.35
707000	707000	9,425.37	13,195.20	22,620.57	0.000698%			0.000000%			0.000000%		9,425.37	13,195.20	22,620.57
707100	707108	12,816.55	17,942.87	30,759.42	0.000949%			0.000000%			0.000000%		12,816.55	17,942.87	30,759.42
707200	707200	15,356.61	21,498.93	36,855.54	0.001137%			0.000000%			0.000000%		15,356.61	21,498.93	36,855.54
707300	707300	12,230.13	17,122.19	29,352.32	0.000905%			0.000000%			0.000000%		12,230.13	17,122.19	29,352.32
707400	707400	17,065.58	23,891.84	40,957.42	0.001263%	1,247.77	1,746.96	0.002918%	1,247.77	1,247.88	0.002183%	499.07	19,561.12	27,385.75	46,946.87
707500	707500	6,845.09	9,583.08	16,428.17	0.000507%	936.00	1,310.40	0.002188%			0.000000%		7,781.09	10,893.48	18,674.57
707600	707600	17,615.47	24,661.60	42,277.07	0.001304%			0.000000%			0.000000%		17,615.47	24,661.60	42,277.07
707700	707700	11,759.84	16,463.75	28,223.59	0.000871%			0.000000%			0.000000%		11,759.84	16,463.75	28,223.59
707800	707800	11,617.28	16,263.90	27,881.18	0.000860%			0.000000%	1,102.74	1,102.67	0.001929%	441.07	12,720.02	17,807.64	30,527.66
707900	707900	12,526.21	17,536.44	30,062.65	0.000927%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	13,660.45	19,124.28	32,784.73
708000	708000	4,877.76	6,828.55	11,706.31	0.000361%	8,869.62	12,417.43	0.020738%			0.000000%		13,747.38	19,245.98	32,993.36
708100	708100	14,186.06	19,860.45	34,046.51	0.001050%			0.000000%			0.000000%		14,186.06	19,860.45	34,046.51
708200	708200	12,897.98	18,057.03	30,955.01	0.000955%			0.000000%			0.000000%		12,897.98	18,057.03	30,955.01
708300	708300	13,789.76	19,305.35	33,095.11	0.001021%			0.000000%			0.000000%		13,789.76	19,305.35	33,095.11
708400	708400	15,795.97	22,114.03	37,910.00	0.001169%			0.000000%			0.000000%		15,795.97	22,114.03	37,910.00
708500	708500	26,440.95	37,016.87	63,457.82	0.001958%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	27,575.19	38,604.71	66,179.90
708600	708600	3,965.03	5,550.91	9,515.94	0.000294%			0.000000%	992.64	992.64	0.001736%	397.00	4,957.67	6,940.55	11,898.22
708700	708708	9,087.48	12,722.19	21,809.67	0.000673%			0.000000%			0.000000%		9,087.48	12,722.19	21,809.67
708800	708800	3,743.28	5,240.88	8,984.16	0.000277%			0.000000%	2,183.64	2,183.52	0.003820%	873.48	5,926.92	8,297.88	14,224.80
708900	708900	4,372.23	6,120.85	10,493.08	0.000324%			0.000000%			0.000000%	(0.01)	4,372.23	6,120.84	10,493.07
709000	709000	4,739.16	6,634.92	11,374.08	0.000351%	1,247.76	1,746.96	0.002918%			0.000000%		5,986.92	8,381.88	14,368.80
709100	709100	5,881.68	8,235.59	14,117.27	0.000435%			0.000000%			0.000000%		5,881.68	8,235.59	14,117.27
709200	709208	5,706.48	7,988.76	13,695.24	0.000422%			0.000000%			0.000000%		5,706.48	7,988.76	13,695.24
709300	709300	4,895.89	6,854.05	11,749.94	0.000362%	992.64	1,389.60	0.002321%			0.000000%		5,888.53	8,243.65	14,132.18
709400	709400	5,248.68	7,347.84	12,596.52	0.000389%			0.000000%			0.000000%		5,248.68	7,347.84	12,596.52
709500	709500	7,940.13	11,116.40	19,056.53	0.000588%			0.000000%			0.000000%		7,940.13	11,116.40	19,056.53
709600	709600	4,758.38	6,661.42	11,419.80	0.000352%			0.000000%			0.000000%		4,758.38	6,661.42	11,419.80
709700	709700	4,620.34	6,468.26	11,088.60	0.000342%			0.000000%			0.000000%		4,620.34	6,468.26	11,088.60
709800	709800	3,775.32	5,285.16	9,060.48	0.000280%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	5,647.08	7,905.60	13,552.68
709900	709900	5,213.08	7,298.00	12,511.08	0.000386%			0.000000%			0.000000%		5,213.08	7,298.00	12,511.08
710000	710000	16,331.43	22,863.59	39,195.02	0.001209%			0.000000%			0.000000%		16,331.43	22,863.59	39,195.02
710100	710100	11,677.01	16,347.45	28,024.46	0.000865%			0.000000%			0.000000%		11,677.01	16,347.45	28,024.46

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
710200	710200	11,034.92	15,448.60	26,483.52	0.000817%			0.000000%			0.000000%		11,034.92	15,448.60	26,483.52
710300	710300	10,846.81	15,185.55	26,032.36	0.000803%			0.000000%			0.000000%		10,846.81	15,185.55	26,032.36
710400	710408	16,293.38	22,810.42	39,103.80	0.001206%			0.000000%			0.000000%		16,293.38	22,810.42	39,103.80
710500	710500	16,011.83	22,416.26	38,428.09	0.001185%			0.000000%			0.000000%		16,011.83	22,416.26	38,428.09
710600	710600	16,773.31	23,482.76	40,256.07	0.001242%			0.000000%			0.000000%		16,773.31	23,482.76	40,256.07
710700	710700	32,788.23	45,903.89	78,692.12	0.002428%			0.000000%			0.000000%	0.05	32,788.23	45,903.94	78,692.17
710800	710800	11,925.46	16,695.31	28,620.77	0.000883%			0.000000%			0.000000%		11,925.46	16,695.31	28,620.77
710900	710900	13,435.46	18,714.87	32,150.33	0.000992%			0.000000%			0.000000%	94.47	13,435.46	18,809.34	32,244.80
711000	711000	13,860.42	19,404.41	33,264.83	0.001026%			0.000000%	992.64	992.64	0.001736%	396.96	14,853.06	20,794.01	35,647.07
711100	711100	14,087.71	19,722.45	33,810.16	0.001043%			0.000000%			0.000000%		14,087.71	19,722.45	33,810.16
711200	711200	11,219.48	15,706.97	26,926.45	0.000831%			0.000000%			0.000000%		11,219.48	15,706.97	26,926.45
711300	711300	11,218.84	15,706.07	26,924.91	0.000831%			0.000000%			0.000000%		11,218.84	15,706.07	26,924.91
711400	711400	8,087.63	11,322.66	19,410.29	0.000599%			0.000000%	3,455.64	3,455.64	0.006045%	1,382.27	11,543.27	16,160.57	27,703.84
711500	711500	8,354.81	11,696.51	20,051.32	0.000619%			0.000000%			0.000000%		8,354.81	11,696.51	20,051.32
711600	711600	3,275.88	4,586.21	7,862.09	0.000243%	936.00	1,310.40	0.002188%			0.000000%		4,211.88	5,896.61	10,108.49
711700	711700	5,274.38	7,384.03	12,658.41	0.000390%			0.000000%			0.000000%		5,274.38	7,384.03	12,658.41
711800	711800	5,042.98	7,059.90	12,102.88	0.000373%			0.000000%			0.000000%		5,042.98	7,059.90	12,102.88
711900	711900	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
712000	712000	5,886.84	8,241.28	14,128.12	0.000436%			0.000000%	462.40	462.44	0.000809%	184.92	6,349.24	8,888.64	15,237.88
712100	712100	5,035.04	7,048.82	12,083.86	0.000373%			0.000000%			0.000000%		5,035.04	7,048.82	12,083.86
712200	712200	3,544.98	4,962.95	8,507.93	0.000262%			0.000000%			0.000000%		3,544.98	4,962.95	8,507.93
712300	712300	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
712400	712400	5,732.85	8,025.72	13,758.57	0.000424%			0.000000%			0.000000%		5,732.85	8,025.72	13,758.57
712500	712500	7,869.48	11,017.09	18,886.57	0.000583%	1,056.73	1,479.34	0.002471%	650.03	649.92	0.001137%	260.04	9,576.24	13,406.39	22,982.63
712600	712600	6,000.28	8,400.09	14,400.37	0.000444%			0.000000%			0.000000%		6,000.28	8,400.09	14,400.37
712700	712700	5,926.92	8,297.88	14,224.80	0.000439%			0.000000%			0.000000%		5,926.92	8,297.88	14,224.80
712800	712800	4,537.68	6,352.47	10,890.15	0.000336%			0.000000%			0.000000%		4,537.68	6,352.47	10,890.15
712900	712900	4,679.16	6,550.92	11,230.08	0.000346%	1,247.76	1,746.96	0.002918%			0.000000%		5,926.92	8,297.88	14,224.80
713000	713000	5,464.30	7,649.91	13,114.21	0.000405%			0.000000%			0.000000%		5,464.30	7,649.91	13,114.21
713100	713100	4,529.88	6,341.81	10,871.69	0.000335%			0.000000%	90.00	90.00	0.000157%	36.00	4,619.88	6,467.81	11,087.69
713200	713200				0.000000%			0.000000%			0.000000%				
713200	713208	97,274.89	135,909.87	233,184.76	0.007193%			0.000000%	6,585.88	6,585.91	0.011521%	2,908.97	103,860.77	145,404.75	249,265.52
713200	986608	182,159.82	253,049.53	435,209.35	0.013426%			0.000000%			0.000000%	572.97	182,159.82	253,622.50	435,782.32
713300	713308	38,946.32	54,525.06	93,471.38	0.002883%			0.000000%			0.000000%		38,946.32	54,525.06	93,471.38
713400	713408	4,140.23	5,796.11	9,936.34	0.000307%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	5,274.47	7,383.95	12,658.42
713500	713508	138,141.76	193,398.25	331,540.01	0.010228%	11,946.50	16,725.10	0.027932%	12,843.03	12,842.91	0.022467%	5,137.23	162,931.29	228,103.49	391,034.78
713600	713600	61,800.17	86,520.70	148,320.87	0.004576%	1,322.40	1,851.36	0.003092%	67.80	67.80	0.000119%	27.12	63,190.37	88,466.98	151,657.35
713700	713700	15,255.59	21,357.86	36,613.45	0.001129%			0.000000%	4,633.15	4,633.16	0.008105%	1,853.24	19,888.74	27,844.26	47,733.00
713800	713800	22,121.56	30,970.09	53,091.65	0.001638%	1,247.76	1,746.96	0.002918%			0.000000%		23,369.32	32,717.05	56,086.37
713900	713900	27,044.09	37,861.83	64,905.92	0.002002%	1,416.19	1,982.71	0.003311%			0.000000%		28,460.28	39,844.54	68,304.82
713900	984900	12,261.37	17,071.68	29,333.05	0.000905%			0.000000%			0.000000%		12,261.37	17,071.68	29,333.05
714000	714000	16,772.24	23,481.33	40,253.57	0.001242%			0.000000%			0.000000%		16,772.24	23,481.33	40,253.57
714100	714100	78,019.82	109,227.24	187,247.06	0.005776%	5,074.25	7,103.93	0.011864%	5,262.28	5,262.21	0.009205%	2,104.84	88,356.35	123,698.22	212,054.57
714200	714200	52,787.54	73,902.40	126,689.94	0.003908%	3,654.01	5,115.56	0.008543%			0.000000%		56,441.55	79,017.96	135,459.51
714300	714300	(8.57)	(11.99)	(20.56)	-0.000001%			0.000000%			0.000000%		(8.57)	(11.99)	(20.56)
714300	714308	483,925.67	677,494.87	1,161,420.54	0.035828%	37,856.87	52,999.64	0.088514%	16,406.46	16,406.29	0.028700%	6,562.54	538,189.00	753,463.34	1,291,652.34
714300	983408	895,954.23	1,247,443.97	2,143,398.20	0.066121%			0.000000%			0.000000%		895,954.23	1,247,443.97	2,143,398.20
714400	714400	20,945.62	29,323.98	50,269.60	0.001551%			0.000000%			0.000000%		20,945.62	29,323.98	50,269.60
714500	714500	8,062.85	11,287.78	19,350.63	0.000597%	996.92	1,395.60	0.002331%			0.000000%		9,059.77	12,683.38	21,743.15
714600	714600	13,956.70	19,538.98	33,495.68	0.001033%			0.000000%			0.000000%		13,956.70	19,538.98	33,495.68
714700	714700	14,107.78	19,750.49	33,858.27	0.001044%			0.000000%			0.000000%		14,107.78	19,750.49	33,858.27
714800	714808	4,563.83	6,389.24	10,953.07	0.000338%			0.000000%	992.64	992.64	0.001736%	396.96	5,556.47	7,778.84	13,335.31
714900	714900	8,774.22	12,283.87	21,058.09	0.000650%			0.000000%			0.000000%		8,774.22	12,283.87	21,058.09
715000	715000	10,234.88	14,328.83	24,563.71	0.000758%			0.000000%			0.000000%		10,234.88	14,328.83	24,563.71
715100	715100	4,477.18	6,266.59	10,743.77	0.000331%			0.000000%	1,349.95	1,349.98	0.002362%	541.48	5,827.13	8,158.05	13,985.18
715200	715200	8,730.00	12,221.65	20,951.65	0.000646%			0.000000%			0.000000%		8,730.00	12,221.65	20,951.65
715300	715300	11,793.81	16,511.01	28,304.82	0.000873%			0.000000%			0.000000%		11,793.81	16,511.01	28,304.82
715400	715400	7,896.88	11,055.32	18,952.20	0.000585%			0.000000%			0.000000%		7,896.88	11,055.32	18,952.20
715500	715500	9,223.74	12,913.03	22,136.77	0.000683%			0.000000%			0.000000%		9,223.74	12,913.03	22,136.77
715600	715600	10,755.22	15,057.29	25,812.51	0.000796%			0.000000%			0.000000%		10,755.22	15,057.29	25,812.51
715700	715700	10,237.87	14,332.64	24,570.51	0.000758%			0.000000%			0.000000%		10,237.87	14,332.64	24,570.51
715800	715800	8,642.92	12,099.89	20,742.81	0.000640%	1,134.24	1,587.84	0.002652%			0.000000%		9,777.16	13,687.73	23,464.89
715900	715900	5,121.12	7,169.20	12,290.32	0.000379%			0.000000%			0.000000%		5,121.12	7,169.20	12,290.32

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
716000	716000	5,495.68	7,693.65	13,189.33	0.000407%			0.000000%			0.000000%		5,495.68	7,693.65	13,189.33
716100	716100	8,693.64	12,170.66	20,864.30	0.000644%			0.000000%			0.000000%		8,693.64	12,170.66	20,864.30
716200	716200	4,451.79	6,232.49	10,684.28	0.000330%			0.000000%			0.000000%		4,451.79	6,232.49	10,684.28
716300	716300	5,503.08	7,704.00	13,207.08	0.000407%			0.000000%			0.000000%		5,503.08	7,704.00	13,207.08
716400	716400	8,800.83	12,321.40	21,122.23	0.000652%			0.000000%			0.000000%		8,800.83	12,321.40	21,122.23
716500	716500	6,008.58	8,412.38	14,420.96	0.000445%			0.000000%	2,183.64	2,183.64	0.003820%	873.36	8,192.22	11,469.38	19,661.60
716600	716600	7,867.76	11,014.85	18,882.61	0.000583%			0.000000%			0.000000%		7,867.76	11,014.85	18,882.61
716700	716700	6,181.08	8,653.28	14,834.36	0.000458%	4,510.10	6,314.14	0.010545%			0.000000%		10,691.18	14,967.42	25,658.60
716800	716800	8,194.40	11,471.90	19,666.30	0.000607%			0.000000%			0.000000%		8,194.40	11,471.90	19,666.30
716900	716900	9,018.02	12,625.43	21,643.45	0.000668%			0.000000%			0.000000%		9,018.02	12,625.43	21,643.45
717000	717000	10,217.47	14,304.44	24,521.91	0.000756%	992.63	1,389.60	0.002321%			0.000000%		11,210.10	15,694.04	26,904.14
717100	717100	23,744.66	33,242.52	56,987.18	0.001758%			0.000000%			0.000000%		23,744.66	33,242.52	56,987.18
717200	717200	22,204.25	31,086.24	53,290.49	0.001644%			0.000000%			0.000000%		22,204.25	31,086.24	53,290.49
717200	989500	12,052.62	16,780.97	28,833.59	0.000889%			0.000000%			0.000000%		12,052.62	16,780.97	28,833.59
717300	717300	24,113.32	33,768.10	57,881.42	0.001786%	320.04	447.97	0.000748%	2,780.16	2,780.18	0.004864%	1,101.46	27,213.52	38,097.71	65,311.23
717400	717400	22,311.06	31,235.07	53,546.13	0.001652%			0.000000%	1,247.87	1,247.87	0.002183%	499.08	23,558.93	32,982.02	56,540.95
717500	717500	15,864.16	22,209.08	38,073.24	0.001175%	306.42	428.99	0.000716%			0.000000%		16,170.58	22,638.07	38,808.65
717600	717600	59,565.47	83,391.15	142,956.62	0.004410%	182.82	255.96	0.000427%	161.32	161.33	0.000282%	64.51	59,909.61	83,872.95	143,782.56
717700	717700	41,585.59	58,219.87	99,805.46	0.003079%			0.000000%	1,579.48	1,579.49	0.002763%	631.88	43,165.07	60,431.24	103,596.31
717800	717800	15,109.00	21,152.82	36,261.82	0.001119%			0.000000%			0.000000%		15,109.00	21,152.82	36,261.82
717900	717900	5,484.79	7,718.18	13,202.97	0.000407%	2,385.20	3,363.04	0.005617%	904.48	904.38	0.001582%	298.40	8,774.47	12,284.00	21,058.47
718000	718000	32,506.05	45,508.40	78,014.45	0.002407%			0.000000%	1,760.61	1,760.61	0.003080%	704.21	34,266.66	47,973.22	82,239.88
718100	718100	43,008.03	60,210.96	103,218.99	0.003184%			0.000000%	1,286.89	1,286.89	0.002251%	514.80	44,294.92	62,012.65	106,307.57
718200	718200	13,412.86	18,778.26	32,191.12	0.000993%			0.000000%			0.000000%		13,412.86	18,778.26	32,191.12
718300	718308	32,693.49	45,716.86	78,410.35	0.002419%	4,304.21	6,025.89	0.010064%			0.000000%	53.89	36,997.70	51,796.64	88,794.34
718300	984108	120,410.34	167,702.23	288,112.57	0.008888%			0.000000%			0.000000%	(53.84)	120,410.34	167,648.39	288,058.73
718400	718400	16,240.58	22,737.08	38,977.66	0.001202%			0.000000%			0.000000%		16,240.58	22,737.08	38,977.66
718500	718508	223,013.39	312,225.32	535,238.71	0.016511%			0.000000%	11,633.35	11,633.35	0.020351%	4,646.42	234,646.74	328,505.09	563,151.83
718500	985508	472,913.65	658,408.57	1,131,322.22	0.034900%			0.000000%			0.000000%	32.07	472,913.65	658,440.64	1,131,354.29
718600	718600	15,623.26	21,872.64	37,495.90	0.001157%			0.000000%	2,183.63	2,183.63	0.003820%	873.37	17,806.89	24,929.64	42,736.53
718700	718700	11,189.16	15,664.92	26,854.08	0.000828%			0.000000%	1,247.76	1,247.88	0.002183%	499.08	12,436.92	17,411.88	29,848.80
718800	718800	96,074.90	134,504.50	230,579.40	0.007113%			0.000000%	3,106.44	3,106.33	0.005434%	1,242.60	99,181.34	138,853.43	238,034.77
718800	980410	134,185.65	186,827.24	321,012.89	0.009903%			0.000000%			0.000000%		134,185.65	186,827.24	321,012.89
718900	718900	7,017.98	9,825.38	16,843.36	0.000520%	0.00		0.000000%	1,617.20	1,617.20	0.002829%	646.90	8,635.18	12,089.48	20,724.66
718900	718908	8,542.12	11,958.97	20,501.09	0.000632%			0.000000%	1,103.53	1,103.49	0.001930%	441.42	9,645.65	13,503.88	23,149.53
719000	719000	24,490.90	34,287.47	58,778.37	0.001813%			0.000000%			0.000000%		24,490.90	34,287.47	58,778.37
719100	719108	290,925.89	407,295.65	698,221.54	0.021539%	2,267.72	3,174.72	0.005302%	10,541.71	10,541.55	0.018441%	4,216.60	303,735.32	425,228.52	728,963.84
719100	986708	606,666.42	844,666.75	1,451,333.17	0.044772%			0.000000%			0.000000%		606,666.42	844,666.75	1,451,333.17
719200	719200	24,048.77	33,668.54	57,717.31	0.001781%	308.82	432.35	0.000722%			0.000000%		24,357.59	34,100.89	58,458.48
719300	719308	12,416.05	17,382.49	29,798.54	0.000919%			0.000000%	1,247.74	1,247.86	0.002183%	499.08	13,663.79	19,129.43	32,793.22
719400	719400	21,855.58	30,597.81	52,453.39	0.001618%			0.000000%			0.000000%		21,855.58	30,597.81	52,453.39
719500	719500	7,866.05	11,012.25	18,878.30	0.000582%			0.000000%			0.000000%		7,866.05	11,012.25	18,878.30
719600	719600	12,067.26	16,894.09	28,961.35	0.000893%			0.000000%			0.000000%		12,067.26	16,894.09	28,961.35
719700	719700	9,405.78	13,167.79	22,573.57	0.000696%			0.000000%			0.000000%		9,405.78	13,167.79	22,573.57
719800	719800	5,274.41	7,383.96	12,658.37	0.000390%			0.000000%			0.000000%		5,274.41	7,383.96	12,658.37
719900	719900	3,955.10	5,536.86	9,491.96	0.000293%			0.000000%	1,782.60	1,782.60	0.003118%	713.04	5,737.70	8,032.50	13,770.20
720000	720000	9,072.86	12,701.72	21,774.58	0.000672%			0.000000%			0.000000%		9,072.86	12,701.72	21,774.58
720100	720100	9,736.84	13,631.24	23,368.08	0.000721%			0.000000%			0.000000%		9,736.84	13,631.24	23,368.08
720200	720200	8,579.22	12,010.88	20,590.10	0.000635%			0.000000%			0.000000%		8,579.22	12,010.88	20,590.10
720300	720300	12,020.37	16,832.87	28,853.24	0.000890%			0.000000%			0.000000%	(4.33)	12,020.37	16,828.54	28,848.91
720400	720400	5,201.36	7,281.62	12,482.98	0.000385%			0.000000%			0.000000%		5,201.36	7,281.62	12,482.98
720500	720500	4,537.71	6,352.47	10,890.18	0.000336%			0.000000%			0.000000%		4,537.71	6,352.47	10,890.18
720600	720600	4,999.46	6,999.30	11,998.76	0.000370%			0.000000%			0.000000%		4,999.46	6,999.30	11,998.76
720700	720700	5,248.08	7,347.02	12,595.10	0.000389%			0.000000%			0.000000%		5,248.08	7,347.02	12,595.10
720800	720800	21,586.05	30,220.16	51,806.21	0.001598%			0.000000%			0.000000%		21,586.05	30,220.16	51,806.21
720900	720900	16,141.34	22,597.66	38,739.00	0.001195%			0.000000%	1,782.60	1,782.60	0.003118%	713.04	17,923.94	25,093.30	43,017.24
721000	721000	13,322.71	18,651.48	31,974.19	0.000986%			0.000000%			0.000000%		13,322.71	18,651.48	31,974.19
721100	721100	28,750.58	40,251.00	69,001.58	0.002129%			0.000000%			0.000000%		28,750.58	40,251.00	69,001.58
721200	721200	9,799.58	13,719.34	23,518.92	0.000726%			0.000000%	992.64	992.64	0.001736%	396.96	10,792.22	15,108.94	25,901.16
721300	721300	18,296.66	25,602.02	43,898.68	0.001354%			0.000000%			0.000000%	13.58	18,296.66	25,615.60	43,912.26
721400	721400	13,378.86	18,730.49	32,109.35	0.000991%	44.23	61.92	0.000103%			0.000000%		13,423.09	18,792.41	32,215.50
721500	721500	24,285.08	33,999.17	58,284.25	0.001798%			0.000000%			0.000000%		24,285.08	33,999.17	58,284.25
721500	980000	37,420.54	52,100.91	89,521.45	0.002762%			0.000000%			0.000000%		37,420.54	52,100.91	89,521.45

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
721600	721600	14,671.56	20,539.89	35,211.45	0.001086%			0.000000%			0.000000%		14,671.56	20,539.89	35,211.45
721700	721700	14,778.21	20,689.14	35,467.35	0.001094%			0.000000%			0.000000%		14,778.21	20,689.14	35,467.35
721800	721800	22,849.13	31,988.95	54,838.08	0.001692%	372.42	521.37	0.000871%			0.000000%		23,221.55	32,510.32	55,731.87
721800	983900	25,908.05	36,071.86	61,979.91	0.001912%			0.000000%			0.000000%		25,908.05	36,071.86	61,979.91
721900	721900	28,259.09	39,562.65	67,821.74	0.002092%			0.000000%			0.000000%		28,259.09	39,562.65	67,821.74
721900	982500	80,354.20	111,877.72	192,231.92	0.005930%			0.000000%			0.000000%		80,354.20	111,877.72	192,231.92
722000	722000	15,585.25	21,819.02	37,404.27	0.001154%			0.000000%			0.000000%		15,585.25	21,819.02	37,404.27
722100	722100	23,337.60	32,672.24	56,009.84	0.001728%			0.000000%	1,134.23	1,134.23	0.001984%	453.61	24,471.83	34,260.08	58,731.91
722200	722200	8,059.66	11,283.26	19,342.92	0.000597%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	9,931.42	13,903.70	23,835.12
722300	722300	8,556.89	11,979.57	20,536.46	0.000634%			0.000000%			0.000000%		8,556.89	11,979.57	20,536.46
722500	722500	13,003.32	18,204.40	31,207.72	0.000963%			0.000000%			0.000000%		13,003.32	18,204.40	31,207.72
722600	722600	14,482.27	20,275.06	34,757.33	0.001072%			0.000000%			0.000000%		14,482.27	20,275.06	34,757.33
722700	722700	4,342.27	6,079.06	10,421.33	0.000321%			0.000000%			0.000000%		4,342.27	6,079.06	10,421.33
722800	722800	6,553.51	9,174.91	15,728.42	0.000485%			0.000000%			0.000000%		6,553.51	9,174.91	15,728.42
722900	722900	7,462.19	10,447.06	17,909.25	0.000552%			0.000000%	209.36	209.37	0.000366%	83.73	7,671.55	10,740.16	18,411.71
723000	723000	4,934.16	6,907.86	11,842.02	0.000365%			0.000000%	808.20	808.20	0.001414%	323.28	5,742.36	8,039.34	13,781.70
723100	723100	3,209.80	4,493.72	7,703.52	0.000238%			0.000000%	1,403.88	1,403.88	0.002456%	561.59	4,613.68	6,459.19	11,072.87
723200	723200	12,139.36	16,995.16	29,134.52	0.000899%			0.000000%	1,247.77	1,247.88	0.002183%	499.08	13,387.13	18,742.12	32,129.25
723300	723300	6,412.07	8,976.69	15,388.76	0.000475%			0.000000%			0.000000%		6,412.07	8,976.69	15,388.76
723400	723400	4,278.90	5,990.46	10,269.36	0.000317%			0.000000%			0.000000%		4,278.90	5,990.46	10,269.36
723500	723500	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
723600	723600	10,880.52	15,232.46	26,112.98	0.000806%			0.000000%			0.000000%		10,880.52	15,232.46	26,112.98
723700	723700	6,698.13	9,332.11	16,030.24	0.000495%			0.000000%			0.000000%	45.24	6,698.13	9,377.35	16,075.48
723800	723800	6,565.28	9,191.40	15,756.68	0.000486%			0.000000%			0.000000%		6,565.28	9,191.40	15,756.68
723900	723900	4,963.38	6,948.72	11,912.10	0.000367%			0.000000%	936.00	936.00	0.001637%	374.40	5,899.38	8,259.12	14,158.50
724000	724000	3,800.95	5,321.30	9,122.25	0.000281%			0.000000%			0.000000%		3,800.95	5,321.30	9,122.25
724100	724100	6,704.43	9,386.18	16,090.61	0.000496%			0.000000%			0.000000%		6,704.43	9,386.18	16,090.61
724200	724200	5,877.29	8,228.11	14,105.40	0.000435%			0.000000%			0.000000%		5,877.29	8,228.11	14,105.40
724300	724300	4,886.39	6,839.21	11,725.60	0.000362%	936.00	1,310.40	0.002188%			0.000000%	1.75	5,822.39	8,151.36	13,973.75
724400	724400	3,275.88	4,586.21	7,862.09	0.000243%			0.000000%			0.000000%		3,275.88	4,586.21	7,862.09
724500	724500	9,333.17	13,066.17	22,399.34	0.000691%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	11,204.93	15,686.61	26,891.54
724600	724600	4,081.52	5,714.18	9,795.70	0.000302%			0.000000%			0.000000%		4,081.52	5,714.18	9,795.70
724700	724700	4,013.11	5,618.33	9,631.44	0.000297%			0.000000%			0.000000%		4,013.11	5,618.33	9,631.44
724800	724800	5,762.62	8,067.66	13,830.28	0.000427%			0.000000%			0.000000%		5,762.62	8,067.66	13,830.28
724900	724900	4,238.55	5,933.95	10,172.50	0.000314%			0.000000%			0.000000%		4,238.55	5,933.95	10,172.50
725000	725000	8,333.64	11,666.83	20,000.47	0.000617%			0.000000%			0.000000%		8,333.64	11,666.83	20,000.47
725100	725100	5,013.88	7,019.37	12,033.25	0.000371%			0.000000%			0.000000%		5,013.88	7,019.37	12,033.25
725200	725200	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
725300	725300	3,204.38	4,485.95	7,690.33	0.000237%			0.000000%	909.90	909.91	0.001592%	363.89	4,114.28	5,759.75	9,874.03
725400	725400	5,566.17	7,792.46	13,358.63	0.000412%			0.000000%			0.000000%		5,566.17	7,792.46	13,358.63
725500	725500	3,793.11	5,310.38	9,103.49	0.000281%			0.000000%			0.000000%		3,793.11	5,310.38	9,103.49
725600	725600	4,860.89	6,805.26	11,666.15	0.000360%			0.000000%			0.000000%		4,860.89	6,805.26	11,666.15
725700	725700	4,140.22	5,796.12	9,936.34	0.000307%			0.000000%			0.000000%		4,140.22	5,796.12	9,936.34
725800	725800	4,716.38	6,601.73	11,318.11	0.000349%			0.000000%			0.000000%	1.04	4,716.38	6,602.77	11,319.15
725900	725900	8,440.06	11,813.58	20,253.64	0.000625%			0.000000%			0.000000%	2.25	8,440.06	11,815.83	20,255.89
726000	726000	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
726100	726100	3,516.36	4,922.93	8,439.29	0.000260%			0.000000%			0.000000%		3,516.36	4,922.93	8,439.29
726200	726200	3,781.11	5,293.58	9,074.69	0.000280%			0.000000%			0.000000%		3,781.11	5,293.58	9,074.69
726300	726300	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
726400	726400	5,562.17	7,786.83	13,349.00	0.000412%	1,134.24	1,587.84	0.002652%			0.000000%		6,696.41	9,374.67	16,071.08
727400	727400	1,724.17	2,413.86	4,138.03	0.000128%			0.000000%			0.000000%		1,724.17	2,413.86	4,138.03
729800	729800	83,424.15	116,776.17	200,200.32	0.006176%	722.24	1,011.13	0.001689%	3,165.01	3,165.01	0.005537%	1,283.29	87,311.40	122,235.60	209,547.00
729800	983300	144,521.23	201,241.05	345,762.28	0.010666%			0.000000%			0.000000%	(23.98)	144,521.23	201,217.07	345,738.30
731800	731800	4,536.10	6,350.59	10,886.69	0.000336%			0.000000%			0.000000%		4,536.10	6,350.59	10,886.69
731900	731900	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
732000	732000	4,319.96	6,047.92	10,367.88	0.000320%			0.000000%			0.000000%		4,319.96	6,047.92	10,367.88
732100	732100	3,893.64	5,450.82	9,344.46	0.000288%			0.000000%	992.64	992.64	0.001736%	396.96	4,886.28	6,840.42	11,726.70
732200	732200	3,402.72	4,763.55	8,166.27	0.000252%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	5,274.48	7,383.99	12,658.47
732300	732300	65,339.29	91,475.14	156,814.43	0.004838%	24.97	34.96	0.000058%			0.000000%		65,364.26	91,510.10	156,874.36
732400	732400	7,091.91	9,928.63	17,020.54	0.000525%			0.000000%			0.000000%		7,091.91	9,928.63	17,020.54
732500	732500	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
732600	732600	5,107.33	7,149.92	12,257.25	0.000378%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	6,979.09	9,770.36	16,749.45
732700	732700	3,275.88	4,586.21	7,862.09	0.000243%			0.000000%	936.00	936.00	0.001637%	374.40	4,211.88	5,896.61	10,108.49

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
732800	732800	6,250.68	8,750.78	15,001.46	0.000463%			0.000000%			0.000000%		6,250.68	8,750.78	15,001.46
732900	732900	6,170.92	8,639.48	14,810.40	0.000457%			0.000000%			0.000000%		6,170.92	8,639.48	14,810.40
733000	733000	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
733100	733100	5,724.48	8,013.96	13,738.44	0.000424%			0.000000%			0.000000%		5,724.48	8,013.96	13,738.44
733200	733200	8,690.80	12,167.21	20,858.01	0.000643%			0.000000%			0.000000%		8,690.80	12,167.21	20,858.01
733300	733300	10,862.54	15,207.20	26,069.74	0.000804%			0.000000%			0.000000%		10,862.54	15,207.20	26,069.74
733400	733400	4,537.71	6,352.47	10,890.18	0.000336%			0.000000%			0.000000%		4,537.71	6,352.47	10,890.18
733500	733500	3,084.51	4,318.19	7,402.70	0.000228%			0.000000%			0.000000%		3,084.51	4,318.19	7,402.70
733600	733600	5,274.45	7,383.96	12,658.41	0.000390%			0.000000%			0.000000%		5,274.45	7,383.96	12,658.41
733700	733700	3,516.36	4,922.88	8,439.24	0.000260%			0.000000%			0.000000%		3,516.36	4,922.88	8,439.24
733800	733800	5,989.78	8,385.71	14,375.49	0.000443%			0.000000%			0.000000%		5,989.78	8,385.71	14,375.49
733900	733900	7,530.40	10,542.30	18,072.70	0.000558%			0.000000%			0.000000%		7,530.40	10,542.30	18,072.70
734000	734000	8,574.85	12,004.47	20,579.32	0.000635%			0.000000%			0.000000%		8,574.85	12,004.47	20,579.32
734100	734100	9,576.55	13,406.83	22,983.38	0.000709%			0.000000%			0.000000%		9,576.55	13,406.83	22,983.38
734200	734200	5,894.98	8,252.66	14,147.64	0.000436%			0.000000%			0.000000%		5,894.98	8,252.66	14,147.64
734300	734300	6,999.68	9,799.24	16,798.92	0.000518%	452.40	633.36	0.001058%			0.000000%		7,452.08	10,432.60	17,884.68
734400	734400	5,900.99	8,261.07	14,162.06	0.000437%			0.000000%			0.000000%		5,900.99	8,261.07	14,162.06
734500	734500	7,790.28	10,906.09	18,696.37	0.000577%	1,134.24	1,587.84	0.002652%			0.000000%		8,924.52	12,493.93	21,418.45
734600	734600	9,394.23	13,151.69	22,545.92	0.000696%			0.000000%			0.000000%		9,394.23	13,151.69	22,545.92
734700	734700	21,774.56	30,350.92	52,125.48	0.001608%			0.000000%			0.000000%	133.01	21,774.56	30,483.93	52,258.49
734800	734800	11,218.84	15,706.31	26,925.15	0.000831%			0.000000%			0.000000%		11,218.84	15,706.31	26,925.15
734900	734900	8,334.40	11,667.83	20,002.23	0.000617%			0.000000%			0.000000%		8,334.40	11,667.83	20,002.23
735000	735000	28,495.25	39,893.58	68,388.83	0.002110%			0.000000%	480.00	480.00	0.000840%	192.00	28,975.25	40,565.58	69,540.83
735100	735108	23,638.41	33,093.81	56,732.22	0.001750%			0.000000%	10,089.82	10,089.75	0.017651%	4,035.96	33,728.23	47,219.52	80,947.75
735200	735200	9,404.04	13,165.85	22,569.89	0.000696%			0.000000%	679.50	679.52	0.001189%	271.78	10,083.54	14,117.15	24,200.69
735300	735300	32,162.11	45,027.46	77,189.57	0.002381%	2,267.64	3,174.60	0.005302%	71.50	71.51	0.000125%	27.84	34,501.25	48,301.41	82,802.66
735400	735400	14,396.76	20,155.01	34,551.77	0.001066%			0.000000%			0.000000%		14,396.76	20,155.01	34,551.77
735500	735508	160,961.01	225,344.63	386,305.64	0.011917%	596.75	835.45	0.001395%			0.000000%		161,557.76	226,180.08	387,737.84
735500	988008	262,219.45	365,090.09	627,309.54	0.019352%			0.000000%			0.000000%		262,219.45	365,090.09	627,309.54
735600	735600	25,925.52	36,296.07	62,221.59	0.001919%	941.01	1,317.44	0.002200%			0.000000%		26,866.53	37,613.51	64,480.04
735700	735700	8,048.03	11,267.02	19,315.05	0.000596%			0.000000%	1,039.72	1,039.72	0.001819%	415.80	9,087.75	12,722.54	21,810.29
735800	735800				0.000000%			0.000000%			0.000000%				
735800	735808	85,326.33	119,456.88	204,783.21	0.006317%	3,639.20	5,094.90	0.008509%	15,151.52	15,151.40	0.026505%	6,060.51	104,117.05	145,763.69	249,880.74
735900	735900	5,421.48	7,589.76	13,011.24	0.000401%			0.000000%			0.000000%		5,421.48	7,589.76	13,011.24
736000	736000	108,601.37	152,026.66	260,628.03	0.008040%	2,267.64	3,174.60	0.005302%	14,070.63	14,070.61	0.024614%	5,643.09	124,939.64	174,914.96	299,854.60
736100	736100	11,908.11	16,671.03	28,579.14	0.000882%			0.000000%			0.000000%		11,908.11	16,671.03	28,579.14
736200	736200	9,030.65	12,642.62	21,673.27	0.000669%			0.000000%			0.000000%		9,030.65	12,642.62	21,673.27
736300	736300	11,725.83	16,416.20	28,142.03	0.000868%			0.000000%			0.000000%		11,725.83	16,416.20	28,142.03
736400	736400	12,799.22	17,918.93	30,718.15	0.000948%			0.000000%			0.000000%		12,799.22	17,918.93	30,718.15
736500	736500	2,916.76	4,083.46	7,000.22	0.000216%			0.000000%	1,403.88	1,403.88	0.002456%	561.59	4,320.64	6,048.93	10,369.57
736600	736600	12,072.55	16,901.27	28,973.82	0.000894%			0.000000%			0.000000%		12,072.55	16,901.27	28,973.82
736700	736700	6,937.19	9,711.73	16,648.92	0.000514%			0.000000%			0.000000%		6,937.19	9,711.73	16,648.92
736800	736800	17,300.26	24,220.06	41,520.32	0.001281%			0.000000%			0.000000%		17,300.26	24,220.06	41,520.32
736900	736900	12,583.78	17,616.96	30,200.74	0.000932%	750.00	1,050.00	0.001754%			0.000000%		13,333.78	18,666.96	32,000.74
737000	737000	11,223.70	15,713.32	26,937.02	0.000831%			0.000000%	1,247.76	1,247.88	0.002183%	499.08	12,471.46	17,460.28	29,931.74
737100	737100	37,961.50	53,146.06	91,107.56	0.002811%			0.000000%			0.000000%		37,961.50	53,146.06	91,107.56
737300	737300	20,662.73	28,927.77	49,590.50	0.001530%	1,247.76	1,746.96	0.002918%			0.000000%		21,910.49	30,674.73	52,585.22
737400	737400	13,580.91	19,013.15	32,594.06	0.001005%	1,247.77	1,746.96	0.002918%	1,247.77	1,247.88	0.002183%	499.08	16,076.45	22,507.07	38,583.52
737400	737408	4,261.75	5,966.63	10,228.38	0.000316%			0.000000%			0.000000%		4,261.75	5,966.63	10,228.38
737500	737500	9,923.52	13,892.88	23,816.40	0.000735%			0.000000%			0.000000%		9,923.52	13,892.88	23,816.40
737600	737600	83,191.35	116,467.44	199,658.79	0.006159%			0.000000%	3,346.28	3,346.28	0.005854%	1,338.51	86,537.63	121,152.23	207,689.86
737600	983800	166,503.72	231,824.37	398,328.09	0.012288%			0.000000%			0.000000%		166,503.72	231,824.37	398,328.09
737800	737800	20,723.69	29,013.53	49,737.22	0.001534%	8,100.04	11,340.04	0.018939%			0.000000%	0.01	28,823.73	40,353.58	69,177.31
737900	737900	7,006.94	9,809.88	16,816.82	0.000519%			0.000000%			0.000000%		7,006.94	9,809.88	16,816.82
738000	738000	10,125.28	14,175.43	24,300.71	0.000750%			0.000000%	2,531.42	2,531.29	0.004428%	1,012.59	12,656.70	17,719.31	30,376.01
738100	738108	30,562.02	42,786.61	73,348.63	0.002263%			0.000000%			0.000000%		30,562.02	42,786.61	73,348.63
738200	738200	15,718.59	22,006.24	37,724.83	0.001164%			0.000000%			0.000000%		15,718.59	22,006.24	37,724.83
738300	738300	11,885.51	16,639.85	28,525.36	0.000880%			0.000000%			0.000000%		11,885.51	16,639.85	28,525.36
738300	738308	11,255.38	15,639.38	26,894.76	0.000830%			0.000000%			0.000000%	118.16	11,255.38	15,757.54	27,012.92
738400	738400	13,557.96	18,981.22	32,539.18	0.001004%	1,247.76	1,746.96	0.002918%			0.000000%		14,805.72	20,728.18	35,533.90
738600	738600	13,948.78	19,528.25	33,477.03	0.001033%			0.000000%	2,187.54	2,187.54	0.003827%	874.93	16,136.32	22,590.72	38,727.04
738700	738700	4,822.50	6,751.55	11,574.05	0.000357%			0.000000%			0.000000%		4,822.50	6,751.55	11,574.05
738800	738800	13,631.33	19,083.80	32,715.13	0.001009%			0.000000%	1,763.77	1,763.88	0.003086%	705.48	15,395.10	21,553.16	36,948.26

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
738900	738900	9,536.12	13,350.27	22,886.39	0.000706%			0.000000%			0.000000%		9,536.12	13,350.27	22,886.39
739000	739000	18,022.09	25,230.70	43,252.79	0.001334%			0.000000%			0.000000%		18,022.09	25,230.70	43,252.79
739100	739100				0.000000%			0.000000%			0.000000%				
739100	739108	120,069.05	168,095.94	288,164.99	0.008890%	8,000.57	11,200.75	0.018706%			0.000000%		128,069.62	179,296.69	307,366.31
739200	739200	9,906.58	13,869.48	23,776.06	0.000733%			0.000000%	4,720.60	4,720.62	0.008258%	1,888.23	14,627.18	20,478.33	35,105.51
739300	739300	5,929.28	8,300.70	14,229.98	0.000439%			0.000000%			0.000000%		5,929.28	8,300.70	14,229.98
739400	739400	5,966.99	8,353.40	14,320.39	0.000442%			0.000000%			0.000000%		5,966.99	8,353.40	14,320.39
739500	739500	10,420.74	14,588.67	25,009.41	0.000772%			0.000000%	169.00	169.02	0.000296%	67.58	10,589.74	14,825.27	25,415.01
739600	739600	10,569.53	14,797.53	25,367.06	0.000783%			0.000000%			0.000000%		10,569.53	14,797.53	25,367.06
739700	739700	6,047.80	8,466.59	14,514.39	0.000448%			0.000000%			0.000000%		6,047.80	8,466.59	14,514.39
739800	739800	4,932.38	6,905.31	11,837.69	0.000365%			0.000000%			0.000000%		4,932.38	6,905.31	11,837.69
739900	739900	5,561.88	7,786.33	13,348.21	0.000412%			0.000000%			0.000000%		5,561.88	7,786.33	13,348.21
740000	740000	4,529.95	6,341.73	10,871.68	0.000335%			0.000000%	992.64	992.64	0.001736%	396.96	5,522.59	7,731.33	13,253.92
740100	740100	12,520.82	17,528.85	30,049.67	0.000927%			0.000000%	1,134.24	1,134.24	0.001984%	453.61	13,655.06	19,116.70	32,771.76
740300	740300	7,664.25	10,729.56	18,393.81	0.000567%			0.000000%			0.000000%		7,664.25	10,729.56	18,393.81
740500	740500	77,567.01	108,593.30	186,160.31	0.005743%	4,972.79	6,961.93	0.011627%			0.000000%		82,539.80	115,555.23	198,095.03
740500	980400	122,479.54	170,529.33	293,008.87	0.009039%			0.000000%			0.000000%		122,479.54	170,529.33	293,008.87
740600	740600	8,252.75	11,553.94	19,806.69	0.000611%			0.000000%	1,361.16	1,361.16	0.002381%	544.56	9,613.91	13,459.66	23,073.57
740700	740700	48,656.67	68,119.08	116,775.75	0.003602%			0.000000%	3,106.44	3,106.32	0.005434%	1,242.60	51,763.11	72,468.00	124,231.11
740700	884500				0.000000%			0.000000%			0.000000%				
740700	984508	109,430.31	152,360.73	261,791.04	0.008076%			0.000000%			0.000000%		109,430.31	152,360.73	261,791.04
740800	740800	18,655.64	26,027.92	44,683.56	0.001378%			0.000000%			0.000000%	103.07	18,655.64	26,130.99	44,786.63
740800	740808	28,319.48	39,647.80	67,967.28	0.002097%			0.000000%			0.000000%		28,319.48	39,647.80	67,967.28
740800	980500	35,750.91	49,775.17	85,526.08	0.002638%			0.000000%			0.000000%		35,750.91	49,775.17	85,526.08
740800	980508	43,754.69	60,920.78	104,675.47	0.003229%			0.000000%			0.000000%		43,754.69	60,920.78	104,675.47
741000	741000	19,661.52	27,526.11	47,187.63	0.001456%			0.000000%	6,136.17	6,136.18	0.010734%	2,454.47	25,797.69	36,116.76	61,914.45
741100	741108	59,007.35	82,610.06	141,617.41	0.004369%			0.000000%	4,810.84	4,810.73	0.008416%	1,924.32	63,818.19	89,345.11	153,163.30
741200	741208	89,085.69	124,719.59	213,805.28	0.006596%			0.000000%	9,715.07	9,714.96	0.016995%	3,886.03	98,800.76	138,320.58	237,121.34
741300	741300	5,499.77	7,699.49	13,199.26	0.000407%	2,267.64	3,174.61	0.005302%	2,078.67	2,078.57	0.003636%	831.49	9,846.08	13,784.16	23,630.24
741300	741308	68,002.63	95,203.56	163,206.19	0.005035%			0.000000%			0.000000%		68,002.63	95,203.56	163,206.19
741300	987008	141,864.00	197,518.29	339,382.29	0.010470%			0.000000%			0.000000%		141,864.00	197,518.29	339,382.29
741500	741500	27,704.88	38,682.07	66,386.95	0.002048%	3,759.53	5,263.32	0.008790%	4,236.21	4,236.25	0.007411%	1,798.47	35,700.62	49,980.11	85,680.73
741500	741508	122,417.47	171,384.53	293,802.00	0.009063%			0.000000%			0.000000%		122,417.47	171,384.53	293,802.00
741500	986908	33,764.76	47,010.95	80,775.71	0.002492%			0.000000%			0.000000%		33,764.76	47,010.95	80,775.71
741600	741600	37,409.63	52,373.11	89,782.74	0.002770%	9,073.66	12,703.13	0.021215%	4,219.76	4,219.76	0.007382%	1,687.88	50,703.05	70,983.88	121,686.93
741700	741708	66,281.69	92,778.47	159,060.16	0.004907%			0.000000%	2,101.75	2,101.88	0.003677%	856.48	68,383.44	95,736.83	164,120.27
741700	980608	118,419.13	164,526.73	282,945.86	0.008729%			0.000000%			0.000000%	349.35	118,419.13	164,876.08	283,295.21
741800	741808	61,329.53	85,860.85	147,190.38	0.004541%			0.000000%	7,017.62	7,017.46	0.012276%	2,807.07	68,347.15	95,685.38	164,032.53
741900	741900	8,029.50	11,241.56	19,271.06	0.000594%			0.000000%			0.000000%		8,029.50	11,241.56	19,271.06
741900	741908	11,397.65	15,956.73	27,354.38	0.000844%			0.000000%	4,380.56	4,380.56	0.007663%	1,752.21	15,778.21	22,089.50	37,867.71
742000	742000	78,813.93	110,338.88	189,152.81	0.005835%	358.59	502.03	0.000838%	3,982.60	3,982.65	0.006967%	1,592.93	83,155.12	116,416.49	199,571.61
742000	742008	101,515.51	142,191.25	243,706.76	0.007518%			0.000000%	3,740.40	3,740.39	0.006543%	1,426.35	105,255.91	147,357.99	252,613.90
742100	742108	45,531.93	63,744.32	109,276.25	0.003371%			0.000000%			0.000000%		45,531.93	63,744.32	109,276.25
742100	980708	57,648.67	80,264.78	137,913.45	0.004254%			0.000000%			0.000000%		57,648.67	80,264.78	137,913.45
742200	742200	4,535.28	6,349.20	10,884.48	0.000336%	2,267.64	3,174.60	0.005302%	3,106.44	3,106.32	0.005434%	1,242.60	9,909.36	13,872.72	23,782.08
742200	742208	14,473.53	20,262.93	34,736.46	0.001072%			0.000000%			0.000000%		14,473.53	20,262.93	34,736.46
742400	742400	99,310.48	139,034.50	238,344.98	0.007353%			0.000000%			0.000000%		99,310.48	139,034.50	238,344.98
742500	742500	15,291.82	21,408.92	36,700.74	0.001132%			0.000000%	554.40	554.40	0.000970%	221.76	15,846.22	22,185.08	38,031.30
742600	742600	5,810.04	8,133.76	13,943.80	0.000430%			0.000000%	1,559.76	1,559.76	0.002729%	623.88	7,369.80	10,317.40	17,687.20
742700	742700	5,575.08	7,805.28	13,380.36	0.000413%			0.000000%	727.86	727.93	0.001273%	291.13	6,302.94	8,824.34	15,127.28
742700	742708	9,831.72	13,764.42	23,596.14	0.000728%			0.000000%			0.000000%		9,831.72	13,764.42	23,596.14
742800	742800	7,125.01	9,974.73	17,099.74	0.000528%			0.000000%			0.000000%		7,125.01	9,974.73	17,099.74
742900	742900	4,537.68	6,352.44	10,890.12	0.000336%	3,620.04	5,067.96	0.008464%			0.000000%		8,157.72	11,420.40	19,578.12
743000	743000	6,360.06	8,903.81	15,263.87	0.000471%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	7,494.30	10,491.65	17,985.95
743100	743100	3,993.60	5,591.04	9,584.64	0.000296%	9,913.15	13,878.45	0.023178%	1,247.77	1,247.88	0.002183%	499.08	15,154.52	21,216.45	36,370.97
743200	743200	9,644.52	13,483.19	23,127.71	0.000713%	58.20	80.48	0.000134%			0.000000%	19.85	9,702.72	13,583.52	23,286.24
743300	743300	8,587.67	12,022.32	20,609.99	0.000636%			0.000000%			0.000000%		8,587.67	12,022.32	20,609.99
743400	743400	7,510.84	10,515.13	18,025.97	0.000556%			0.000000%			0.000000%		7,510.84	10,515.13	18,025.97
743500	743500	19,932.87	27,905.97	47,838.84	0.001476%			0.000000%			0.000000%		19,932.87	27,905.97	47,838.84
743600	743600	14,087.23	19,722.24	33,809.47	0.001043%			0.000000%			0.000000%		14,087.23	19,722.24	33,809.47
743700	743700	8,082.45	11,315.45	19,397.90	0.000598%			0.000000%			0.000000%		8,082.45	11,315.45	19,397.90
743800	743800	9,257.83	12,960.65	22,218.48	0.000685%			0.000000%			0.000000%		9,257.83	12,960.65	22,218.48
743900	743900	4,071.65	5,700.27	9,771.92	0.000301%			0.000000%			0.000000%		4,071.65	5,700.27	9,771.92

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
744000	744000	4,623.74	6,473.04	11,096.78	0.000342%	992.64	1,389.61	0.002321%			0.000000%		5,616.38	7,862.65	13,479.03
744100	744100	10,629.14	14,880.65	25,509.79	0.000787%	992.64	1,389.61	0.002321%			0.000000%		11,621.78	16,270.26	27,892.04
744200	744200	5,619.81	7,867.68	13,487.49	0.000416%			0.000000%			0.000000%		5,619.81	7,867.68	13,487.49
744300	744300	2,611.56	3,651.85	6,263.41	0.000193%			0.000000%			0.000000%	4.38	2,611.56	3,656.23	6,267.79
744400	744400	3,545.68	4,963.90	8,509.58	0.000263%			0.000000%			0.000000%		3,545.68	4,963.90	8,509.58
744500	744500	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
744600	744600	3,827.71	5,358.84	9,186.55	0.000283%			0.000000%			0.000000%		3,827.71	5,358.84	9,186.55
744700	744700	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
744800	744800	5,028.09	7,039.08	12,067.17	0.000372%			0.000000%			0.000000%		5,028.09	7,039.08	12,067.17
744900	744900	5,426.46	7,596.76	13,023.22	0.000402%			0.000000%			0.000000%		5,426.46	7,596.76	13,023.22
745000	745000	7,409.65	10,373.22	17,782.87	0.000549%			0.000000%			0.000000%		7,409.65	10,373.22	17,782.87
745100	745100	4,291.86	5,974.96	10,266.82	0.000317%			0.000000%			0.000000%	33.67	4,291.86	6,008.63	10,300.49
745200	745200	46,624.03	65,273.40	111,897.43	0.003452%			0.000000%			0.000000%		46,624.03	65,273.40	111,897.43
745300	745300	192,981.82	270,174.01	463,155.83	0.014288%	13,816.38	19,342.96	0.032304%	4,892.99	4,893.09	0.008560%	1,957.16	211,691.19	296,367.22	508,058.41
745300	982400	175,862.71	244,854.93	420,717.64	0.012979%			0.000000%			0.000000%		175,862.71	244,854.93	420,717.64
745400	745400	12,080.87	16,913.46	28,994.33	0.000894%			0.000000%	5,966.58	5,966.60	0.010438%	2,386.61	18,047.45	25,266.67	43,314.12
745500	745508	36,447.97	51,027.35	87,475.32	0.002699%			0.000000%			0.000000%		36,447.97	51,027.35	87,475.32
745600	745600	3,764.80	5,270.72	9,035.52	0.000279%			0.000000%			0.000000%		3,764.80	5,270.72	9,035.52
745600	745608	78,216.39	109,502.54	187,718.93	0.005791%	6,541.61	9,158.23	0.015295%	4,449.01	4,449.01	0.007783%	1,779.60	89,207.01	124,889.38	214,096.39
745600	985900	119,118.02	165,848.71	284,966.73	0.008791%			0.000000%			0.000000%		119,118.02	165,848.71	284,966.73
745700	745700	10,471.61	14,660.38	25,131.99	0.000775%			0.000000%	2,183.64	2,183.52	0.003820%	873.48	12,655.25	17,717.38	30,372.63
745800	745808	24,940.99	34,917.51	59,858.50	0.001847%			0.000000%			0.000000%		24,940.99	34,917.51	59,858.50
745900	745900	16,308.06	22,831.03	39,139.09	0.001207%			0.000000%			0.000000%		16,308.06	22,831.03	39,139.09
746000	746000	12,872.24	18,021.31	30,893.55	0.000953%			0.000000%			0.000000%		12,872.24	18,021.31	30,893.55
746100	746100	9,074.43	12,703.81	21,778.24	0.000672%			0.000000%			0.000000%		9,074.43	12,703.81	21,778.24
746200	746208	45,178.94	63,244.99	108,423.93	0.003345%			0.000000%	3,870.08	3,870.10	0.006770%	1,553.68	49,049.02	68,668.77	117,717.79
746300	746300	30,409.92	42,569.41	72,979.33	0.002251%	1,247.76	1,746.95	0.002918%	1,534.65	1,534.68	0.002685%	618.27	33,192.33	46,469.31	79,661.64
746400	746400	14,532.22	20,345.14	34,877.36	0.001076%			0.000000%	672.00	672.00	0.001176%	268.80	15,204.22	21,285.94	36,490.16
746500	746500	102,911.66	144,075.84	246,987.50	0.007619%			0.000000%	9,903.85	9,903.65	0.017325%	3,961.72	112,815.51	157,941.21	270,756.72
746500	980800	88,912.22	123,793.12	212,705.34	0.006562%			0.000000%			0.000000%		88,912.22	123,793.12	212,705.34
746600	746600	19,098.13	26,737.02	45,835.15	0.001414%			0.000000%			0.000000%		19,098.13	26,737.02	45,835.15
746700	746700	7,474.46	10,464.34	17,938.80	0.000553%			0.000000%			0.000000%		7,474.46	10,464.34	17,938.80
746800	746800	45,936.54	64,311.07	110,247.61	0.003401%	1,361.17	1,905.72	0.003183%			0.000000%		47,297.71	66,216.79	113,514.50
746900	746908	118,795.79	166,313.77	285,109.56	0.008795%	2,267.63	3,174.60	0.005302%			0.000000%		121,063.42	169,488.37	290,551.79
747000	747000	7,523.37	10,532.76	18,056.13	0.000557%	1,637.46	2,292.50	0.003829%	1,495.36	1,495.48	0.002616%	598.12	10,656.19	14,918.86	25,575.05
747100	747100	12,375.43	17,325.92	29,701.35	0.000916%			0.000000%	2,183.64	2,183.53	0.003820%	873.48	14,559.07	20,382.93	34,942.00
747200	747200	9,163.45	12,828.66	21,992.11	0.000678%			0.000000%			0.000000%		9,163.45	12,828.66	21,992.11
747300	747300	11,590.94	16,227.43	27,818.37	0.000858%			0.000000%			0.000000%		11,590.94	16,227.43	27,818.37
747400	747400	6,430.47	9,002.25	15,432.72	0.000476%	1,871.76	2,620.43	0.004376%			0.000000%		8,302.23	11,622.68	19,924.91
747500	747500	8,423.97	11,793.57	20,217.54	0.000624%			0.000000%			0.000000%		8,423.97	11,793.57	20,217.54
747600	747600	14,151.88	19,812.34	33,964.22	0.001048%			0.000000%			0.000000%		14,151.88	19,812.34	33,964.22
747700	747708	18,144.75	25,402.76	43,547.51	0.001343%			0.000000%			0.000000%		18,144.75	25,402.76	43,547.51
747800	747808	83,130.31	116,382.06	199,512.37	0.006155%			0.000000%	9,657.34	9,657.28	0.016894%	3,862.80	92,787.65	129,902.14	222,689.79
747800	988908	138,928.22	193,430.92	332,359.14	0.010253%			0.000000%			0.000000%		138,928.22	193,430.92	332,359.14
747900	747900	31,894.89	44,621.49	76,516.38	0.002360%			0.000000%			0.000000%	31.06	31,894.89	44,652.55	76,547.44
748000	748000	8,156.77	11,419.36	19,576.13	0.000604%			0.000000%	1,559.76	1,559.76	0.002729%	623.88	9,716.53	13,603.00	23,319.53
748100	748100	14,134.09	19,787.38	33,921.47	0.001046%	1,871.76	2,620.44	0.004376%			0.000000%		16,005.85	22,407.82	38,413.67
748200	748200	6,300.82	8,821.03	15,121.85	0.000466%			0.000000%			0.000000%		6,300.82	8,821.03	15,121.85
748300	748300	16,077.68	22,508.50	38,586.18	0.001190%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	17,949.44	25,128.94	43,078.38
748400	748400	5,539.32	7,755.00	13,294.32	0.000410%			0.000000%			0.000000%		5,539.32	7,755.00	13,294.32
748500	748500	4,269.50	5,977.27	10,246.77	0.000316%			0.000000%			0.000000%		4,269.50	5,977.27	10,246.77
748600	748600	5,667.78	7,934.91	13,602.69	0.000420%			0.000000%			0.000000%		5,667.78	7,934.91	13,602.69
748700	748700	8,854.83	12,396.48	21,251.31	0.000656%			0.000000%			0.000000%		8,854.83	12,396.48	21,251.31
748800	748800	6,063.95	8,489.54	14,553.49	0.000449%	935.92	1,310.32	0.002188%			0.000000%		6,999.87	9,799.86	16,799.73
748900	748900	4,140.24	5,796.12	9,936.36	0.000307%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	5,274.48	7,383.96	12,658.44
749000	749000	5,531.88	7,744.61	13,276.49	0.000410%			0.000000%			0.000000%		5,531.88	7,744.61	13,276.49
749100	749100	8,171.98	11,440.47	19,612.45	0.000605%			0.000000%			0.000000%		8,171.98	11,440.47	19,612.45
749200	749200	13,624.41	19,073.76	32,698.17	0.001009%			0.000000%			0.000000%		13,624.41	19,073.76	32,698.17
749300	749300	5,634.48	7,887.99	13,522.47	0.000417%			0.000000%			0.000000%		5,634.48	7,887.99	13,522.47
749400	749400	11,214.93	15,701.19	26,916.12	0.000830%			0.000000%			0.000000%	(0.71)	11,214.93	15,700.48	26,915.41
749500	749500	5,797.08	8,115.90	13,912.98	0.000429%			0.000000%			0.000000%		5,797.08	8,115.90	13,912.98
749600	749600	12,923.84	18,107.41	31,031.25	0.000957%			0.000000%			0.000000%	(14.35)	12,923.84	18,093.06	31,016.90
749700	749700	6,508.68	9,112.13	15,620.81	0.000482%			0.000000%			0.000000%		6,508.68	9,112.13	15,620.81

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
749800	749800	2,552.40	3,573.24	6,125.64	0.000189%	3,518.00	4,925.20	0.008226%	992.64	992.64	0.001736%	396.96	7,063.04	9,888.04	16,951.08
749900	749908	188,362.54	263,750.14	452,112.68	0.013947%	4,929.78	6,858.50	0.011454%	14,405.57	14,405.58	0.025200%	5,762.25	207,697.89	290,776.47	498,474.36
749900	981088	7,088.59	9,869.42	16,958.01	0.000523%			0.000000%			0.000000%		7,088.59	9,869.42	16,958.01
750000	750008	233,768.67	327,303.84	561,072.51	0.017308%	17,786.40	24,900.88	0.041587%	15,822.33	15,822.35	0.027679%	6,300.49	267,377.40	374,327.56	641,704.96
750000	980908	527,228.26	734,064.05	1,261,292.31	0.038909%			0.000000%			0.000000%		527,228.26	734,064.05	1,261,292.31
750100	750108	52,871.93	74,020.72	126,892.65	0.003914%	1,296.37	1,815.00	0.003031%			0.000000%		54,168.30	75,835.72	130,004.02
750200	750200	14,125.27	19,775.54	33,900.81	0.001046%			0.000000%			0.000000%		14,125.27	19,775.54	33,900.81
750300	750308	151,968.77	212,754.74	364,723.51	0.011251%			0.000000%	13,875.84	13,875.82	0.024274%	5,550.25	165,844.61	232,180.81	398,025.42
750300	981008	325,734.87	453,522.87	779,257.74	0.024039%			0.000000%			0.000000%		325,734.87	453,522.87	779,257.74
750400	750400	4,763.45	6,668.52	11,431.97	0.000353%			0.000000%	41.25	41.26	0.000072%	16.49	4,804.70	6,726.27	11,530.97
750400	750408	260,849.53	365,188.69	626,038.22	0.019312%	2,267.66	3,174.63	0.005302%	10,702.17	10,702.06	0.018722%	4,280.89	273,819.36	383,346.27	657,165.63
750400	981108	407,667.97	567,599.92	975,267.89	0.030086%			0.000000%			0.000000%		407,667.97	567,599.92	975,267.89
750500	750508	12,373.08	17,322.49	29,695.57	0.000916%			0.000000%			0.000000%		12,373.08	17,322.49	29,695.57
750700	750708	70,523.43	98,732.17	169,255.60	0.005221%	5,191.57	7,268.21	0.012139%	15.95	15.95	0.000028%	6.38	75,730.95	106,022.71	181,753.66
751000	751008	195,794.39	274,111.33	469,905.72	0.014496%	14,396.08	20,154.48	0.033660%	12,865.74	12,865.75	0.022507%	5,146.21	223,056.21	312,277.77	535,333.98
751000	980108	519,116.45	722,770.39	1,241,886.84	0.038311%			0.000000%			0.000000%		519,116.45	722,770.39	1,241,886.84
751100	751100	137,270.13	192,177.67	329,447.80	0.010163%	2,267.64	3,174.60	0.005302%	1,399.41	1,399.43	0.002448%	559.74	140,937.18	197,311.44	338,248.62
751200	751208	84,788.81	118,703.98	203,492.79	0.006277%			0.000000%	2,267.64	2,267.53	0.003967%	907.08	87,056.45	121,878.59	208,935.04
751300	751300	20,059.97	28,083.89	48,143.86	0.001485%			0.000000%	1,200.00	1,200.00	0.002099%	480.00	21,259.97	29,763.89	51,023.86
751400	751400	11,106.40	15,549.12	26,655.52	0.000822%	172.20	241.08	0.000403%			0.000000%		11,278.60	15,790.20	27,068.80
751500	751500	8,857.68	12,400.51	21,258.19	0.000656%			0.000000%			0.000000%		8,857.68	12,400.51	21,258.19
751600	751600	4,022.54	5,631.54	9,654.08	0.000298%			0.000000%	1,782.60	1,782.60	0.003118%	713.04	5,805.14	8,127.18	13,932.32
751700	751708	5,058.67	7,081.63	12,140.30	0.000375%			0.000000%			0.000000%		5,058.67	7,081.63	12,140.30
751800	751800	5,137.68	7,192.44	12,330.12	0.000380%			0.000000%			0.000000%		5,137.68	7,192.44	12,330.12
751900	751900	4,872.24	6,820.99	11,693.23	0.000361%			0.000000%			0.000000%		4,872.24	6,820.99	11,693.23
752000	752000	5,185.27	7,259.16	12,444.43	0.000384%	172.51	241.51	0.000403%			0.000000%		5,357.78	7,500.67	12,858.45
752200	752200	6,345.83	8,883.93	15,229.76	0.000470%			0.000000%			0.000000%		6,345.83	8,883.93	15,229.76
752300	752300	17,045.94	23,864.54	40,910.48	0.001262%			0.000000%			0.000000%		17,045.94	23,864.54	40,910.48
752400	752400	3,527.13	4,937.97	8,465.10	0.000261%			0.000000%	936.00	936.00	0.001637%	374.40	4,463.13	6,248.37	10,711.50
752500	752500	7,206.06	10,088.62	17,294.68	0.000534%			0.000000%	1,247.76	1,247.88	0.002183%	499.07	8,453.82	11,835.57	20,289.39
752600	752600	4,473.92	6,263.17	10,737.09	0.000331%			0.000000%			0.000000%		4,473.92	6,263.17	10,737.09
752700	752700	5,614.98	7,860.69	13,475.67	0.000416%			0.000000%			0.000000%		5,614.98	7,860.69	13,475.67
752800	752800	3,822.23	5,350.93	9,173.16	0.000283%			0.000000%	2,552.40	2,552.40	0.004465%	1,020.84	6,374.63	8,924.17	15,298.80
752900	752900	7,713.16	10,798.30	18,511.46	0.000571%			0.000000%			0.000000%		7,713.16	10,798.30	18,511.46
753000	753000	5,260.90	7,365.04	12,625.94	0.000389%			0.000000%			0.000000%		5,260.90	7,365.04	12,625.94
753100	753100	5,889.71	8,245.29	14,135.00	0.000436%			0.000000%			0.000000%		5,889.71	8,245.29	14,135.00
753200	753200	5,673.45	7,942.91	13,616.36	0.000420%	1,299.96	1,820.04	0.003040%			0.000000%		6,973.41	9,762.95	16,736.36
753300	753300	6,270.48	8,778.43	15,048.91	0.000464%			0.000000%			0.000000%		6,270.48	8,778.43	15,048.91
753400	753400	5,336.77	7,471.28	12,808.05	0.000395%			0.000000%			0.000000%		5,336.77	7,471.28	12,808.05
753500	753500	2,201.89	3,082.46	5,284.35	0.000163%			0.000000%	2,552.40	2,552.40	0.004465%	1,020.84	4,754.29	6,655.70	11,409.99
753600	753600	5,274.48	7,383.96	12,658.44	0.000390%			0.000000%			0.000000%		5,274.48	7,383.96	12,658.44
753700	753700	6,875.61	9,625.61	16,501.22	0.000509%			0.000000%			0.000000%		6,875.61	9,625.61	16,501.22
753800	753800	8,170.76	11,437.18	19,607.94	0.000605%			0.000000%			0.000000%		8,170.76	11,437.18	19,607.94
753900	753900	10,299.24	14,454.98	24,754.22	0.000764%			0.000000%			0.000000%	(36.00)	10,299.24	14,418.98	24,718.22
754000	754000	4,840.64	6,776.76	11,617.40	0.000358%			0.000000%			0.000000%		4,840.64	6,776.76	11,617.40
754100	754100	7,081.60	9,913.98	16,995.58	0.000524%			0.000000%			0.000000%		7,081.60	9,913.98	16,995.58
754200	754200	4,507.85	6,311.01	10,818.86	0.000334%	817.08	1,144.00	0.001911%			0.000000%		5,324.93	7,455.01	12,779.94
754300	754300	5,703.92	7,985.23	13,689.15	0.000422%			0.000000%			0.000000%		5,703.92	7,985.23	13,689.15
754400	754400	5,695.68	7,973.64	13,669.32	0.000422%			0.000000%			0.000000%		5,695.68	7,973.64	13,669.32
754500	754500	3,285.60	4,599.84	7,885.44	0.000243%			0.000000%			0.000000%		3,285.60	4,599.84	7,885.44
754600	754600	6,378.49	8,929.58	15,308.07	0.000472%			0.000000%			0.000000%		6,378.49	8,929.58	15,308.07
754700	754700	6,185.58	8,659.51	14,845.09	0.000458%			0.000000%			0.000000%		6,185.58	8,659.51	14,845.09
754800	754800	9,960.24	13,944.18	23,904.42	0.000737%			0.000000%			0.000000%		9,960.24	13,944.18	23,904.42
754900	754900	8,855.66	12,397.60	21,253.26	0.000656%			0.000000%			0.000000%		8,855.66	12,397.60	21,253.26
755000	755000	4,967.48	6,954.16	11,921.64	0.000368%			0.000000%			0.000000%		4,967.48	6,954.16	11,921.64
755100	755100	7,053.23	9,874.50	16,927.73	0.000522%			0.000000%			0.000000%		7,053.23	9,874.50	16,927.73
755200	755200	9,119.77	12,767.37	21,887.14	0.000675%			0.000000%			0.000000%		9,119.77	12,767.37	21,887.14
755300	755300	8,152.92	11,414.03	19,566.95	0.000604%			0.000000%			0.000000%		8,152.92	11,414.03	19,566.95
755400	755400	9,287.06	13,001.62	22,288.68	0.000688%			0.000000%			0.000000%		9,287.06	13,001.62	22,288.68
755500	755500	8,899.80	12,459.47	21,359.27	0.000659%			0.000000%			0.000000%		8,899.80	12,459.47	21,359.27
755600	755600	13,216.99	18,503.40	31,720.39	0.000979%			0.000000%			0.000000%		13,216.99	18,503.40	31,720.39
755700	755700	7,990.42	11,186.56	19,176.98	0.000592%			0.000000%			0.000000%		7,990.42	11,186.56	19,176.98
755800	755800	8,905.52	12,467.71	21,373.23	0.000659%			0.000000%	992.62	992.56	0.001736%	397.08	9,898.14	13,857.35	23,755.49

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
755900	755900	7,370.95	10,319.35	17,690.30	0.000546%			0.000000%			0.000000%		7,370.95	10,319.35	17,690.30
756000	756000	5,772.89	8,081.83	13,854.72	0.000427%			0.000000%			0.000000%		5,772.89	8,081.83	13,854.72
756100	756100	5,588.71	7,824.11	13,412.82	0.000414%			0.000000%			0.000000%		5,588.71	7,824.11	13,412.82
756200	756200	4,774.43	6,683.93	11,458.36	0.000353%			0.000000%			0.000000%		4,774.43	6,683.93	11,458.36
756300	756300	8,418.63	11,786.26	20,204.89	0.000623%			0.000000%			0.000000%		8,418.63	11,786.26	20,204.89
756400	756400	7,045.55	9,864.00	16,909.55	0.000522%			0.000000%			0.000000%		7,045.55	9,864.00	16,909.55
756500	756500	5,155.64	7,218.08	12,373.72	0.000382%			0.000000%			0.000000%		5,155.64	7,218.08	12,373.72
756600	756600	7,032.42	9,838.40	16,870.82	0.000520%			0.000000%			0.000000%	6.70	7,032.42	9,845.10	16,877.52
756700	756700	6,758.97	9,462.61	16,221.58	0.000500%			0.000000%			0.000000%		6,758.97	9,462.61	16,221.58
756800	756800	10,229.07	14,320.56	24,549.63	0.000757%			0.000000%			0.000000%		10,229.07	14,320.56	24,549.63
756900	756900	6,085.31	8,519.19	14,604.50	0.000451%			0.000000%			0.000000%		6,085.31	8,519.19	14,604.50
757000	757000	5,972.46	8,361.10	14,333.56	0.000442%			0.000000%			0.000000%		5,972.46	8,361.10	14,333.56
757100	757100	5,919.27	8,287.28	14,206.55	0.000438%			0.000000%	2,183.63	2,183.63	0.003820%	873.37	8,102.90	11,344.28	19,447.18
757200	757200	5,447.98	7,626.91	13,074.89	0.000403%			0.000000%			0.000000%		5,447.98	7,626.91	13,074.89
757300	757300	9,110.51	12,754.46	21,864.97	0.000675%			0.000000%			0.000000%		9,110.51	12,754.46	21,864.97
757400	757400	5,322.58	7,451.43	12,774.01	0.000394%			0.000000%	2,183.60	2,183.60	0.003820%	873.40	7,506.18	10,508.43	18,014.61
757500	757500	4,750.17	6,650.67	11,400.84	0.000352%			0.000000%			0.000000%		4,750.17	6,650.67	11,400.84
757600	757600	3,545.04	4,962.84	8,507.88	0.000262%			0.000000%			0.000000%		3,545.04	4,962.84	8,507.88
757700	757700	4,332.04	6,064.91	10,396.95	0.000321%			0.000000%			0.000000%		4,332.04	6,064.91	10,396.95
757800	757800	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
757900	757900	5,017.68	7,024.47	12,042.15	0.000371%			0.000000%			0.000000%		5,017.68	7,024.47	12,042.15
758000	758000	3,275.89	4,586.22	7,862.11	0.000243%	936.00	1,310.40	0.002188%			0.000000%		4,211.89	5,896.62	10,108.51
758100	758100	2,744.78	3,842.70	6,587.48	0.000203%	936.00	1,310.40	0.002188%			0.000000%		3,680.78	5,153.10	8,833.88
758200	758200	7,245.55	10,143.43	17,388.98	0.000536%			0.000000%			0.000000%		7,245.55	10,143.43	17,388.98
758300	758300	5,613.56	7,859.13	13,472.69	0.000416%			0.000000%			0.000000%		5,613.56	7,859.13	13,472.69
758400	758400	4,537.68	6,352.47	10,890.15	0.000336%			0.000000%			0.000000%		4,537.68	6,352.47	10,890.15
758500	758500	4,905.15	6,866.92	11,772.07	0.000363%			0.000000%			0.000000%		4,905.15	6,866.92	11,772.07
758600	758600	8,100.56	11,340.49	19,441.05	0.000600%			0.000000%			0.000000%		8,100.56	11,340.49	19,441.05
758700	758700	5,274.48	7,383.96	12,658.44	0.000390%			0.000000%			0.000000%		5,274.48	7,383.96	12,658.44
758800	758800	2,808.00	3,931.20	6,739.20	0.000208%	1,403.88	1,965.48	0.003283%			0.000000%		4,211.88	5,896.68	10,108.56
758900	758900	3,275.87	4,586.21	7,862.08	0.000243%			0.000000%	936.00	936.00	0.001637%	374.40	4,211.87	5,896.61	10,108.48
759000	759000	5,274.48	7,383.96	12,658.44	0.000390%			0.000000%			0.000000%		5,274.48	7,383.96	12,658.44
759100	759100	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
759200	759200	10,388.47	14,543.58	24,932.05	0.000769%			0.000000%			0.000000%		10,388.47	14,543.58	24,932.05
759300	759300	20,830.17	29,161.86	49,992.03	0.001542%			0.000000%			0.000000%		20,830.17	29,161.86	49,992.03
759400	759400	8,551.83	11,972.36	20,524.19	0.000633%			0.000000%	992.64	992.64	0.001736%	396.96	9,544.47	13,361.96	22,906.43
759500	759500	12,491.02	17,486.96	29,977.98	0.000925%	1,429.78	2,001.67	0.003343%			0.000000%		13,920.80	19,488.63	33,409.43
759600	759600	10,176.29	14,246.49	24,422.78	0.000753%			0.000000%			0.000000%		10,176.29	14,246.49	24,422.78
759700	759700	13,114.03	18,359.47	31,473.50	0.000971%			0.000000%			0.000000%		13,114.03	18,359.47	31,473.50
759800	759800	8,425.23	11,795.10	20,220.33	0.000624%			0.000000%	992.64	992.64	0.001736%	396.96	9,417.87	13,184.70	22,602.57
759900	759900	8,276.30	11,586.55	19,862.85	0.000613%			0.000000%			0.000000%		8,276.30	11,586.55	19,862.85
760000	760000	8,230.98	11,523.36	19,754.34	0.000609%			0.000000%			0.000000%		8,230.98	11,523.36	19,754.34
760100	760100	4,811.00	6,735.40	11,546.40	0.000356%			0.000000%			0.000000%		4,811.00	6,735.40	11,546.40
760200	760200	10,862.08	15,206.63	26,068.71	0.000804%			0.000000%			0.000000%		10,862.08	15,206.63	26,068.71
760300	760300	14,875.86	20,825.80	35,701.66	0.001101%			0.000000%			0.000000%		14,875.86	20,825.80	35,701.66
760400	760400	11,283.56	15,796.75	27,080.31	0.000835%			0.000000%	1,134.23	1,134.23	0.001984%	453.61	12,417.79	17,384.59	29,802.38
760500	760500	13,173.98	18,443.28	31,617.26	0.000975%	1,479.75	2,071.65	0.003460%			0.000000%		14,653.73	20,514.93	35,168.66
760600	760600	7,321.69	10,250.19	17,571.88	0.000542%			0.000000%	909.92	909.92	0.001592%	363.88	8,231.61	11,523.99	19,755.60
760700	760700	7,724.11	10,813.73	18,537.84	0.000572%			0.000000%	936.00	936.00	0.001637%	374.40	8,660.11	12,124.13	20,784.24
760800	760800	9,342.33	13,078.94	22,421.27	0.000692%			0.000000%			0.000000%		9,342.33	13,078.94	22,421.27
760900	760900	11,222.58	15,711.45	26,934.03	0.000831%			0.000000%			0.000000%		11,222.58	15,711.45	26,934.03
761000	761000	12,555.63	17,577.61	30,133.24	0.000930%			0.000000%			0.000000%		12,555.63	17,577.61	30,133.24
761100	761100	7,312.93	10,237.88	17,550.81	0.000541%			0.000000%			0.000000%		7,312.93	10,237.88	17,550.81
761200	761200	8,583.18	12,016.36	20,599.54	0.000635%			0.000000%			0.000000%		8,583.18	12,016.36	20,599.54
761300	761300	11,701.82	16,382.51	28,084.33	0.000866%			0.000000%			0.000000%		11,701.82	16,382.51	28,084.33
761400	761400	13,265.45	18,571.34	31,836.79	0.000982%			0.000000%			0.000000%		13,265.45	18,571.34	31,836.79
761500	761500	15,437.15	21,612.20	37,049.35	0.001143%			0.000000%			0.000000%		15,437.15	21,612.20	37,049.35
761600	761600	10,746.80	15,045.23	25,792.03	0.000796%	1,559.76	2,183.64	0.003647%			0.000000%		12,306.56	17,228.87	29,535.43
761800	761800	5,094.12	7,131.36	12,225.48	0.000377%			0.000000%			0.000000%		5,094.12	7,131.36	12,225.48
761900	761900	5,125.78	7,176.08	12,301.86	0.000379%			0.000000%			0.000000%		5,125.78	7,176.08	12,301.86
762000	762000	5,384.52	7,537.92	12,922.44	0.000399%			0.000000%			0.000000%		5,384.52	7,537.92	12,922.44
762100	762100	3,006.00	4,208.28	7,214.28	0.000223%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	4,140.24	5,796.12	9,936.36
762200	762200	4,702.68	6,583.45	11,286.13	0.000348%			0.000000%			0.000000%		4,702.68	6,583.45	11,286.13

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
762300	762300	4,145.04	5,803.03	9,948.07	0.000307%			0.000000%			0.000000%		4,145.04	5,803.03	9,948.07
762400	762400	5,436.48	7,610.77	13,047.25	0.000402%			0.000000%			0.000000%		5,436.48	7,610.77	13,047.25
762500	762500	7,712.89	10,797.93	18,510.82	0.000571%			0.000000%			0.000000%		7,712.89	10,797.93	18,510.82
762600	762600	7,789.39	10,904.75	18,694.14	0.000577%			0.000000%			0.000000%		7,789.39	10,904.75	18,694.14
762700	762700	4,696.38	6,574.91	11,271.29	0.000348%			0.000000%			0.000000%		4,696.38	6,574.91	11,271.29
762800	762800	5,652.84	7,913.66	13,566.50	0.000419%			0.000000%			0.000000%		5,652.84	7,913.66	13,566.50
762900	762900	5,472.19	7,660.78	13,132.97	0.000405%			0.000000%			0.000000%		5,472.19	7,660.78	13,132.97
763000	763000	5,234.41	7,327.91	12,562.32	0.000388%			0.000000%			0.000000%		5,234.41	7,327.91	12,562.32
763100	763100	4,386.03	6,140.14	10,526.17	0.000325%			0.000000%			0.000000%		4,386.03	6,140.14	10,526.17
763200	763200	8,860.05	12,403.82	21,263.87	0.000656%			0.000000%			0.000000%		8,860.05	12,403.82	21,263.87
763300	763300	4,717.57	6,604.45	11,322.02	0.000349%			0.000000%			0.000000%		4,717.57	6,604.45	11,322.02
763400	763400	3,781.29	5,293.59	9,074.88	0.000280%			0.000000%	992.64	992.64	0.001736%	396.96	4,773.93	6,683.19	11,457.12
763500	763500	6,710.91	9,395.45	16,106.36	0.000497%			0.000000%			0.000000%		6,710.91	9,395.45	16,106.36
763600	763600	9,434.42	13,208.20	22,642.62	0.000698%			0.000000%			0.000000%		9,434.42	13,208.20	22,642.62
763700	763700	8,443.91	11,821.19	20,265.10	0.000625%			0.000000%			0.000000%		8,443.91	11,821.19	20,265.10
763800	763800	5,675.89	7,946.30	13,622.19	0.000420%			0.000000%			0.000000%		5,675.89	7,946.30	13,622.19
763900	763900	8,231.23	11,523.39	19,754.62	0.000609%			0.000000%			0.000000%		8,231.23	11,523.39	19,754.62
764000	764000	4,789.87	6,672.14	11,462.01	0.000354%			0.000000%			0.000000%	33.67	4,789.87	6,705.81	11,495.68
764100	764100	6,290.79	8,806.93	15,097.72	0.000466%			0.000000%			0.000000%		6,290.79	8,806.93	15,097.72
764200	764200	7,455.28	10,437.08	17,892.36	0.000552%			0.000000%			0.000000%		7,455.28	10,437.08	17,892.36
764300	764300	12,119.45	16,966.90	29,086.35	0.000897%			0.000000%			0.000000%		12,119.45	16,966.90	29,086.35
764400	764400	12,058.16	16,881.34	28,939.50	0.000893%			0.000000%			0.000000%		12,058.16	16,881.34	28,939.50
764500	764500	6,575.66	9,205.60	15,781.26	0.000487%			0.000000%			0.000000%		6,575.66	9,205.60	15,781.26
764600	764600	10,487.34	14,682.21	25,169.55	0.000776%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	11,621.58	16,270.05	27,891.63
764700	764700	9,642.30	13,423.02	23,065.32	0.000712%			0.000000%			0.000000%	75.96	9,642.30	13,498.98	23,141.28
764800	764800	3,358.92	4,702.36	8,061.28	0.000249%			0.000000%			0.000000%		3,358.92	4,702.36	8,061.28
765000	765000	7,531.34	10,543.87	18,075.21	0.000558%			0.000000%			0.000000%		7,531.34	10,543.87	18,075.21
765100	765100	23,178.10	32,449.21	55,627.31	0.001716%	598.68	838.08	0.001400%	717.52	717.52	0.001255%	286.99	24,494.30	34,291.80	58,786.10
765100	959230	4,547.43	6,331.40	10,878.83	0.000336%			0.000000%			0.000000%		4,547.43	6,331.40	10,878.83
765200	765200	16,882.70	23,635.59	40,518.29	0.001250%			0.000000%			0.000000%		16,882.70	23,635.59	40,518.29
765300	765300	11,129.97	15,550.60	26,680.57	0.000823%			0.000000%			0.000000%	31.12	11,129.97	15,581.72	26,711.69
765400	765400	8,515.84	11,922.17	20,438.01	0.000630%			0.000000%			0.000000%		8,515.84	11,922.17	20,438.01
765500	765500	4,838.31	6,769.43	11,607.74	0.000358%			0.000000%	1,585.77	1,585.77	0.002774%	638.25	6,424.08	8,993.45	15,417.53
765600	765600	10,872.42	15,221.10	26,093.52	0.000805%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	12,744.18	17,841.54	30,585.72
765700	765708	40,736.92	56,866.14	97,603.06	0.003011%			0.000000%	129.23	129.20	0.000226%	217.14	40,866.15	57,212.48	98,078.63
765700	987708	33,567.21	46,595.31	80,162.52	0.002473%			0.000000%			0.000000%	140.65	33,567.21	46,735.96	80,303.17
765800	765800	9,961.40	13,945.85	23,907.25	0.000738%			0.000000%			0.000000%		9,961.40	13,945.85	23,907.25
765900	765900	14,932.28	20,904.88	35,837.16	0.001106%			0.000000%			0.000000%		14,932.28	20,904.88	35,837.16
766000	766000	9,750.34	13,650.49	23,400.83	0.000722%			0.000000%			0.000000%		9,750.34	13,650.49	23,400.83
766100	766100	9,822.18	13,751.02	23,573.20	0.000727%			0.000000%			0.000000%		9,822.18	13,751.02	23,573.20
766200	766200	11,253.75	15,754.95	27,008.70	0.000833%			0.000000%			0.000000%		11,253.75	15,754.95	27,008.70
766300	766300	35,426.01	49,596.45	85,022.46	0.002623%	851.40	1,191.96	0.001991%			0.000000%		36,277.41	50,788.41	87,065.82
766300	980910	22,414.04	31,207.21	53,621.25	0.001654%			0.000000%			0.000000%		22,414.04	31,207.21	53,621.25
766400	766400	7,417.97	10,385.14	17,803.11	0.000549%			0.000000%			0.000000%		7,417.97	10,385.14	17,803.11
766500	766500	9,531.48	13,344.31	22,875.79	0.000706%			0.000000%			0.000000%		9,531.48	13,344.31	22,875.79
766600	766600	1,872.00	2,620.80	4,492.80	0.000139%			0.000000%			0.000000%		1,872.00	2,620.80	4,492.80
766700	766700	4,907.98	6,870.87	11,778.85	0.000363%			0.000000%	1,559.76	1,559.76	0.002729%	623.88	6,467.74	9,054.51	15,522.25
766800	766800	10,652.26	14,912.84	25,565.10	0.000789%			0.000000%			0.000000%		10,652.26	14,912.84	25,565.10
766900	766908	11,337.77	15,872.87	27,210.64	0.000839%			0.000000%			0.000000%		11,337.77	15,872.87	27,210.64
767000	767000	5,241.04	7,337.46	12,578.50	0.000388%			0.000000%			0.000000%		5,241.04	7,337.46	12,578.50
767100	767100	14,300.22	20,020.08	34,320.30	0.001059%			0.000000%	1,221.78	1,221.79	0.002137%	488.68	15,522.00	21,730.55	37,252.55
767200	767200	11,041.66	15,458.01	26,499.67	0.000817%	3,934.60	5,508.45	0.009200%			0.000000%		14,976.26	20,966.46	35,942.72
767300	767300	8,635.26	12,089.37	20,724.63	0.000639%			0.000000%			0.000000%		8,635.26	12,089.37	20,724.63
767400	767400	8,536.04	11,950.51	20,486.55	0.000632%			0.000000%			0.000000%		8,536.04	11,950.51	20,486.55
767500	767500	8,680.90	12,153.26	20,834.16	0.000643%	1,403.88	1,965.48	0.003283%			0.000000%		10,084.78	14,118.74	24,203.52
767600	767600	5,889.72	8,245.68	14,135.40	0.000436%			0.000000%	537.24	537.24	0.000940%	214.92	6,426.96	8,997.84	15,424.80
767700	767700	8,656.70	12,119.12	20,775.82	0.000641%			0.000000%	2,624.71	2,624.70	0.004592%	1,049.78	11,281.41	15,793.60	27,075.01
767800	767800	7,569.23	10,596.88	18,166.11	0.000560%			0.000000%			0.000000%		7,569.23	10,596.88	18,166.11
767900	767900	11,300.24	15,820.04	27,120.28	0.000837%	1,134.24	1,587.84	0.002652%			0.000000%		12,434.48	17,407.88	29,842.36
768000	768000	5,052.46	7,073.12	12,125.58	0.000374%			0.000000%	630.91	630.90	0.001104%	252.35	5,683.37	7,956.37	13,639.74
768100	768100	9,696.21	13,574.63	23,270.84	0.000718%			0.000000%			0.000000%		9,696.21	13,574.63	23,270.84
768200	768200	7,141.88	9,998.59	17,140.47	0.000529%	806.40	1,128.96	0.001885%			0.000000%		7,948.28	11,127.55	19,075.83
768300	768300	10,372.68	14,521.56	24,894.24	0.000768%			0.000000%	992.64	992.64	0.001736%	396.96	11,365.32	15,911.16	27,276.48

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
768400	768400	8,724.17	12,213.85	20,938.02	0.000646%			0.000000%	889.20	889.32	0.001556%	355.56	9,613.37	13,458.73	23,072.10
768500	768500	5,683.08	7,956.29	13,639.37	0.000421%			0.000000%	390.00	390.12	0.000682%	155.88	6,073.08	8,502.29	14,575.37
768600	768608	129,887.26	181,841.67	311,728.93	0.009616%	14,396.87	20,155.58	0.033662%	7,471.98	7,472.08	0.013071%	2,988.69	151,756.11	212,458.02	364,214.13
768800	768800	29,880.86	41,833.37	71,714.23	0.002212%	676.35	946.89	0.001581%			0.000000%		30,557.21	42,780.26	73,337.47
768900	768900	117,570.64	164,598.25	282,168.89	0.008705%	4,904.42	6,866.18	0.011467%			0.000000%		122,475.06	171,464.43	293,939.49
768900	986500	165,030.80	229,773.41	394,804.21	0.012179%			0.000000%			0.000000%		165,030.80	229,773.41	394,804.21
769100	769100	28,063.60	39,288.71	67,352.31	0.002078%			0.000000%	2,512.22	2,512.25	0.004395%	1,004.84	30,575.82	42,805.80	73,381.62
769100	769108	47,973.43	67,162.95	115,136.38	0.003552%	5,276.30	7,386.81	0.012337%			0.000000%		53,249.73	74,549.76	127,799.49
769200	769208	73,485.49	102,879.77	176,365.26	0.005441%			0.000000%	141.32	141.32	0.000247%	56.52	73,626.81	103,077.61	176,704.42
769400	769400	3,671.13	5,139.57	8,810.70	0.000272%			0.000000%	936.00	936.00	0.001637%	374.40	4,607.13	6,449.97	11,057.10
769500	769500	4,618.64	6,466.07	11,084.71	0.000342%			0.000000%			0.000000%		4,618.64	6,466.07	11,084.71
769600	769600	8,375.72	11,687.80	20,063.52	0.000619%			0.000000%			0.000000%	38.25	8,375.72	11,726.05	20,101.77
769700	769700	8,356.01	11,698.14	20,054.15	0.000619%			0.000000%			0.000000%		8,356.01	11,698.14	20,054.15
769800	769800	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
769900	769900	4,055.94	5,678.10	9,734.04	0.000300%	992.64	1,389.60	0.002321%			0.000000%		5,048.58	7,067.70	12,116.28
770000	770000	5,112.36	7,157.37	12,269.73	0.000379%			0.000000%			0.000000%		5,112.36	7,157.37	12,269.73
770100	770100	6,330.48	8,862.37	15,192.85	0.000469%			0.000000%			0.000000%		6,330.48	8,862.37	15,192.85
770200	770200	(47,811.81)	(48,224.12)	(96,035.93)	-0.002963%			0.000000%			0.000000%	(21,121.47)	(47,811.81)	(69,345.59)	(117,157.40)
770200	770208	58,192.06	62,756.22	120,948.28	0.003731%			0.000000%			0.000000%	21,121.47	58,192.06	83,877.69	142,069.75
770300	770300	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
770400	770400	9,871.01	13,819.11	23,690.12	0.000731%			0.000000%			0.000000%		9,871.01	13,819.11	23,690.12
770500	770500	5,317.68	7,444.51	12,762.19	0.000394%			0.000000%			0.000000%		5,317.68	7,444.51	12,762.19
770600	770600	5,291.89	7,408.76	12,700.65	0.000392%			0.000000%			0.000000%		5,291.89	7,408.76	12,700.65
770700	770700	6,818.15	9,545.11	16,363.26	0.000505%			0.000000%			0.000000%		6,818.15	9,545.11	16,363.26
770800	770800	10,123.57	14,172.77	24,296.34	0.000750%			0.000000%			0.000000%		10,123.57	14,172.77	24,296.34
770900	770900	6,874.85	9,557.45	16,432.30	0.000507%			0.000000%			0.000000%	67.38	6,874.85	9,624.83	16,499.68
771000	771008	7,051.90	9,872.43	16,924.33	0.000522%			0.000000%			0.000000%		7,051.90	9,872.43	16,924.33
771100	771100	13,114.49	18,359.92	31,474.41	0.000971%			0.000000%			0.000000%		13,114.49	18,359.92	31,474.41
771200	771200	29,028.15	40,639.03	69,667.18	0.002149%	2,267.64	3,174.60	0.005302%			0.000000%		31,295.79	43,813.63	75,109.42
771300	771300	5,616.23	7,862.48	13,478.71	0.000416%			0.000000%			0.000000%		5,616.23	7,862.48	13,478.71
771400	771400	10,703.97	14,985.50	25,689.47	0.000792%			0.000000%			0.000000%		10,703.97	14,985.50	25,689.47
771500	771508	36,083.95	50,517.06	86,601.01	0.002672%	2,267.63	3,174.60	0.005302%			0.000000%		38,351.58	53,691.66	92,043.24
771600	771600	11,762.44	16,467.11	28,229.55	0.000871%			0.000000%			0.000000%		11,762.44	16,467.11	28,229.55
771700	771700	23,588.05	33,023.42	56,611.47	0.001746%			0.000000%			0.000000%		23,588.05	33,023.42	56,611.47
771800	771800	15,410.97	21,596.43	37,007.40	0.001142%			0.000000%			0.000000%	(21.36)	15,410.97	21,575.07	36,986.04
771900	771900	9,150.89	12,811.02	21,961.91	0.000677%			0.000000%			0.000000%		9,150.89	12,811.02	21,961.91
772000	772000	17,225.64	24,115.91	41,341.55	0.001275%			0.000000%	1,247.76	1,247.88	0.002183%	499.08	18,473.40	25,862.87	44,336.27
772100	772100	3,791.76	5,308.45	9,100.21	0.000281%			0.000000%	1,284.24	1,284.24	0.002247%	513.60	5,076.00	7,106.29	12,182.29
772200	772200	12,463.25	17,448.73	29,911.98	0.000923%	2,939.64	4,115.40	0.006873%			0.000000%		15,402.89	21,564.13	36,967.02
772400	772400	11,452.80	16,034.25	27,487.05	0.000848%			0.000000%			0.000000%		11,452.80	16,034.25	27,487.05
772500	772500	9,575.90	13,406.15	22,982.05	0.000709%	2,268.48	3,175.68	0.005304%			0.000000%		11,844.38	16,581.83	28,426.21
772600	772600	11,808.73	16,531.95	28,340.68	0.000874%			0.000000%			0.000000%		11,808.73	16,531.95	28,340.68
772700	772700	15,286.22	21,400.88	36,687.10	0.001132%			0.000000%			0.000000%		15,286.22	21,400.88	36,687.10
772800	772800	15,618.22	21,865.77	37,483.99	0.001156%			0.000000%			0.000000%		15,618.22	21,865.77	37,483.99
772900	772900	20,682.02	28,955.00	49,637.02	0.001531%			0.000000%			0.000000%		20,682.02	28,955.00	49,637.02
773000	773000	7,580.83	10,613.15	18,193.98	0.000561%	936.00	1,310.40	0.002188%			0.000000%		8,516.83	11,923.55	20,440.38
773100	773100	12,344.79	17,282.96	29,627.75	0.000914%			0.000000%			0.000000%		12,344.79	17,282.96	29,627.75
773200	773200	22,839.64	31,975.73	54,815.37	0.001691%	1,287.39	1,802.45	0.003010%			0.000000%		24,127.03	33,778.18	57,905.21
773200	988700	4,443.75	6,187.05	10,630.80	0.000328%			0.000000%			0.000000%		4,443.75	6,187.05	10,630.80
773300	773300	9,053.58	12,674.79	21,728.37	0.000670%			0.000000%			0.000000%		9,053.58	12,674.79	21,728.37
773400	773400	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
773500	773500	3,996.96	5,595.72	9,592.68	0.000296%	1,134.18	1,587.84	0.002652%			0.000000%		5,131.14	7,183.56	12,314.70
773600	773600	5,600.74	7,840.74	13,441.48	0.000415%			0.000000%	265.50	265.53	0.000465%	106.17	5,866.24	8,212.44	14,078.68
773700	773700	6,860.66	9,605.09	16,465.75	0.000508%			0.000000%			0.000000%		6,860.66	9,605.09	16,465.75
773800	773800	3,000.72	4,201.27	7,201.99	0.000222%	3,431.40	4,803.96	0.008023%			0.000000%		6,432.12	9,005.23	15,437.35
773900	773900	6,583.40	9,216.46	15,799.86	0.000487%			0.000000%			0.000000%		6,583.40	9,216.46	15,799.86
774000	774000	10,953.38	15,304.80	26,258.18	0.000810%			0.000000%			0.000000%	29.70	10,953.38	15,334.50	26,287.88
774100	774100	5,274.48	7,383.96	12,658.44	0.000390%			0.000000%	180.00	180.00	0.000315%	72.00	5,454.48	7,635.96	13,090.44
774200	774200	4,620.24	6,468.12	11,088.36	0.000342%	1,134.24	1,587.84	0.002652%			0.000000%		5,754.48	8,055.96	13,810.44
774200	774208	680.86	953.17	1,634.03	0.000050%			0.000000%			0.000000%		680.86	953.17	1,634.03
774300	774300	14,652.33	20,512.91	35,165.24	0.001085%			0.000000%			0.000000%		14,652.33	20,512.91	35,165.24
774400	774400	3,765.00	5,270.81	9,035.81	0.000279%			0.000000%			0.000000%		3,765.00	5,270.81	9,035.81
774500	774500	10,212.00	14,296.67	24,508.67	0.000756%			0.000000%			0.000000%		10,212.00	14,296.67	24,508.67

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
774600	774600	5,432.92	7,606.12	13,039.04	0.000402%	4,460.85	6,245.19	0.010430%			0.000000%		9,893.77	13,851.31	23,745.08
774700	774700	12,548.64	17,568.27	30,116.91	0.000929%			0.000000%			0.000000%		12,548.64	17,568.27	30,116.91
774800	774800	3,532.88	4,946.02	8,478.90	0.000262%			0.000000%			0.000000%		3,532.88	4,946.02	8,478.90
774900	774900	18,010.94	25,215.53	43,226.47	0.001333%			0.000000%	2,135.76	2,136.00	0.003737%	854.16	20,146.70	28,205.69	48,352.39
775000	775000	7,491.16	10,487.31	17,978.47	0.000555%			0.000000%			0.000000%		7,491.16	10,487.31	17,978.47
775100	775108	22,747.55	31,846.79	54,594.34	0.001684%			0.000000%	1,949.70	1,949.60	0.003411%	779.90	24,697.25	34,576.29	59,273.54
775500	775500	11,996.48	16,794.93	28,791.41	0.000888%			0.000000%			0.000000%		11,996.48	16,794.93	28,791.41
775700	775700	12,865.87	18,012.09	30,877.96	0.000953%			0.000000%			0.000000%		12,865.87	18,012.09	30,877.96
775800	775800	11,736.45	16,431.16	28,167.61	0.000869%			0.000000%			0.000000%		11,736.45	16,431.16	28,167.61
775900	775908	20,905.35	29,267.71	50,173.06	0.001548%			0.000000%	629.78	629.78	0.001102%	251.96	21,535.13	30,149.45	51,684.58
776000	776000	35,301.54	49,422.44	84,723.98	0.002614%	5,198.94	7,278.55	0.012156%	2,451.04	2,451.04	0.004288%	980.32	42,951.52	60,132.35	103,083.87
776100	776100	25,616.49	35,863.24	61,479.73	0.001897%	1,247.76	1,746.96	0.002918%			0.000000%		26,864.25	37,610.20	64,474.45
776200	776200	14,252.70	19,952.62	34,205.32	0.001055%	810.00	1,134.00	0.001894%	2,300.05	2,300.04	0.004024%	921.23	17,362.75	24,307.89	41,670.64
776300	776300	14,608.48	20,452.07	35,060.55	0.001082%	3,812.38	5,337.33	0.008914%	1,334.01	1,334.18	0.002334%	533.53	19,754.87	27,657.11	47,411.98
776400	776400	10,529.44	14,740.94	25,270.38	0.000780%			0.000000%			0.000000%		10,529.44	14,740.94	25,270.38
776500	776508	11,946.37	16,725.02	28,671.39	0.000884%			0.000000%	123.43	123.47	0.000216%	49.34	12,069.80	16,897.83	28,967.63
776600	776600	29,327.18	41,058.14	70,385.32	0.002171%	1,343.36	1,880.67	0.003141%	264.72	264.73	0.000463%	105.87	30,935.26	43,309.41	74,244.67
776600	776608	11,164.12	15,629.77	26,793.89	0.000827%			0.000000%			0.000000%		11,164.12	15,629.77	26,793.89
776700	776700	9,924.98	13,894.82	23,819.80	0.000735%			0.000000%			0.000000%		9,924.98	13,894.82	23,819.80
776800	776800	10,174.25	14,252.61	24,426.86	0.000754%			0.000000%	462.00	462.00	0.000808%	175.87	10,636.25	14,890.48	25,526.73
777000	777000	6,173.79	8,598.07	14,771.86	0.000456%			0.000000%			0.000000%	45.23	6,173.79	8,643.30	14,817.09
777100	777100	26,281.28	36,793.68	63,074.96	0.001946%			0.000000%	718.86	718.83	0.001257%	287.53	27,000.14	37,800.04	64,800.18
777200	777200				0.000000%			0.000000%			0.000000%				
777200	777208	19,575.71	27,406.36	46,982.07	0.001449%			0.000000%			0.000000%		19,575.71	27,406.36	46,982.07
777300	777300	5,459.39	7,642.79	13,102.18	0.000404%	2,642.01	3,698.80	0.006177%			0.000000%		8,101.40	11,341.59	19,442.99
777500	777500	6,740.10	9,436.14	16,176.24	0.000499%			0.000000%			0.000000%		6,740.10	9,436.14	16,176.24
777600	777600	20,727.85	29,019.21	49,747.06	0.001535%			0.000000%	472.94	472.97	0.000827%	189.18	21,200.79	29,681.36	50,882.15
777700	777700	53,239.78	74,535.52	127,775.30	0.003942%	4,549.36	6,369.13	0.010637%	2,267.60	2,267.58	0.003967%	907.02	60,056.74	84,079.25	144,135.99
777900	777900	20,431.79	28,604.60	49,036.39	0.001513%			0.000000%			0.000000%		20,431.79	28,604.60	49,036.39
778000	778000	10,691.71	14,968.23	25,659.94	0.000792%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	11,825.95	16,556.07	28,382.02
778100	778100	10,317.55	14,444.75	24,762.30	0.000764%			0.000000%			0.000000%		10,317.55	14,444.75	24,762.30
778200	778208	88,226.58	123,535.99	211,762.57	0.006533%	2,267.63	3,174.60	0.005302%	10,869.60	10,869.59	0.019015%	4,328.86	101,363.81	141,909.04	243,272.85
778300	778300	14,571.05	20,399.67	34,970.72	0.001079%			0.000000%			0.000000%		14,571.05	20,399.67	34,970.72
778400	778408	269,549.70	376,884.25	646,433.95	0.019942%			0.000000%	11,844.66	11,844.64	0.020720%	5,222.42	281,394.36	393,951.31	675,345.67
778400	982208	443,152.38	616,954.68	1,060,107.06	0.032703%			0.000000%			0.000000%	49.53	443,152.38	617,004.21	1,060,156.59
778500	778500	33,976.29	47,566.79	81,543.08	0.002516%	137.55	192.57	0.000322%			0.000000%		34,113.84	47,759.36	81,873.20
778500	980880	31,197.05	43,435.83	74,632.88	0.002302%			0.000000%			0.000000%		31,197.05	43,435.83	74,632.88
778600	778600	10,730.58	15,022.81	25,753.39	0.000794%			0.000000%	2,495.52	2,495.76	0.004366%	998.16	13,226.10	18,516.73	31,742.83
778600	987100	31,290.99	43,566.63	74,857.62	0.002309%			0.000000%			0.000000%		31,290.99	43,566.63	74,857.62
778800	778800	5,616.18	7,862.52	13,478.70	0.000416%			0.000000%	4,020.50	4,020.51	0.007033%	1,607.99	9,636.68	13,491.02	23,127.70
778900	778900	10,692.49	14,969.25	25,661.74	0.000792%			0.000000%			0.000000%		10,692.49	14,969.25	25,661.74
779000	779000	9,721.03	13,609.21	23,330.24	0.000720%			0.000000%	496.32	496.32	0.000868%	198.48	10,217.35	14,304.01	24,521.36
779100	779100	7,438.70	10,413.87	17,852.57	0.000551%			0.000000%			0.000000%		7,438.70	10,413.87	17,852.57
779200	779200	15,819.27	22,146.88	37,966.15	0.001171%			0.000000%			0.000000%		15,819.27	22,146.88	37,966.15
779300	779300	3,545.00	4,962.80	8,507.80	0.000262%			0.000000%			0.000000%		3,545.00	4,962.80	8,507.80
779400	779400	4,896.40	6,854.99	11,751.39	0.000363%			0.000000%			0.000000%		4,896.40	6,854.99	11,751.39
779500	779500	9,257.39	12,960.09	22,217.48	0.000685%			0.000000%			0.000000%		9,257.39	12,960.09	22,217.48
779600	779600	5,777.25	8,087.93	13,865.18	0.000428%			0.000000%			0.000000%		5,777.25	8,087.93	13,865.18
779700	779700	5,008.48	7,011.57	12,020.05	0.000371%			0.000000%			0.000000%		5,008.48	7,011.57	12,020.05
779800	779800	8,500.42	11,900.33	20,400.75	0.000629%			0.000000%			0.000000%		8,500.42	11,900.33	20,400.75
779900	779900	12,075.45	16,905.45	28,980.90	0.000894%			0.000000%			0.000000%		12,075.45	16,905.45	28,980.90
780000	780000	8,634.25	12,087.59	20,721.84	0.000639%			0.000000%			0.000000%		8,634.25	12,087.59	20,721.84
780100	780100	9,255.88	12,958.21	22,214.09	0.000685%			0.000000%			0.000000%		9,255.88	12,958.21	22,214.09
780200	780208	249,368.83	349,116.21	598,485.04	0.018463%	4,488.00	6,283.19	0.010493%	8,024.91	8,024.97	0.014039%	3,210.00	261,881.74	366,634.37	628,516.11
780200	985808	352,793.70	491,198.22	843,991.92	0.026036%			0.000000%			0.000000%		352,793.70	491,198.22	843,991.92
780300	780300	73,290.72	102,600.70	175,891.42	0.005426%			0.000000%	1,763.76	1,763.88	0.003086%	711.57	75,054.48	105,076.15	180,130.63
780300	985700	81,809.70	113,904.23	195,713.93	0.006038%			0.000000%			0.000000%		81,809.70	113,904.23	195,713.93
780400	780400	10,521.21	14,729.11	25,250.32	0.000779%			0.000000%			0.000000%		10,521.21	14,729.11	25,250.32
780500	780500	9,909.36	13,872.72	23,782.08	0.000734%			0.000000%			0.000000%		9,909.36	13,872.72	23,782.08
780500	780508	280,277.00	392,424.02	672,701.02	0.020752%	9,628.76	13,480.28	0.022513%			0.000000%	(36.53)	289,905.76	405,867.77	695,773.53
780500	982708	542,535.41	755,643.62	1,298,179.03	0.040047%			0.000000%			0.000000%	(113.27)	542,535.41	755,530.35	1,298,065.76
780600	780608	28,558.53	39,981.98	68,540.51	0.002114%			0.000000%	5,915.19	5,915.32	0.010348%	2,366.03	34,473.72	48,263.33	82,737.05
780700	780700	17,015.11	23,820.80	40,835.91	0.001260%			0.000000%			0.000000%		17,015.11	23,820.80	40,835.91

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
780700	988200	13,686.70	19,055.97	32,742.67	0.001010%			0.000000%			0.000000%		13,686.70	19,055.97	32,742.67
780800	780800	10,750.61	15,050.59	25,801.20	0.000796%			0.000000%			0.000000%		10,750.61	15,050.59	25,801.20
780900	780908	26,568.36	37,195.72	63,764.08	0.001967%			0.000000%			0.000000%		26,568.36	37,195.72	63,764.08
780900	982608	38,000.36	52,908.16	90,908.52	0.002804%			0.000000%			0.000000%		38,000.36	52,908.16	90,908.52
781000	781000	(9.67)	(13.53)	(23.20)	-0.000001%			0.000000%			0.000000%		(9.67)	(13.53)	(23.20)
781000	781008	18,959.42	26,543.52	45,502.94	0.001404%			0.000000%			0.000000%		18,959.42	26,543.52	45,502.94
781100	781100	14,405.87	20,168.21	34,574.08	0.001067%			0.000000%			0.000000%		14,405.87	20,168.21	34,574.08
781100	987900	27,414.79	38,169.60	65,584.39	0.002023%			0.000000%			0.000000%		27,414.79	38,169.60	65,584.39
781200	781200	13,789.22	19,304.99	33,094.21	0.001021%			0.000000%	1,247.76	1,247.88	0.002183%	499.08	15,036.98	21,051.95	36,088.93
781200	986100	16,310.49	22,709.20	39,019.69	0.001204%			0.000000%			0.000000%		16,310.49	22,709.20	39,019.69
781300	781300	54,902.43	76,874.24	131,776.67	0.004065%	3,701.09	5,170.66	0.008635%	1,361.16	1,361.16	0.002381%	544.55	59,964.68	83,950.61	143,915.29
781300	981200	89,954.10	125,243.71	215,197.81	0.006639%			0.000000%			0.000000%		89,954.10	125,243.71	215,197.81
781400	781408	25,184.48	35,258.05	60,442.53	0.001865%			0.000000%			0.000000%		25,184.48	35,258.05	60,442.53
781400	986008	13,339.88	18,573.27	31,913.15	0.000984%			0.000000%			0.000000%		13,339.88	18,573.27	31,913.15
781500	781508	30,021.71	42,030.26	72,051.97	0.002223%	868.62	1,216.05	0.002031%	1,716.66	1,716.76	0.003003%	686.66	32,606.99	45,649.73	78,256.72
781500	985208	70,578.76	98,252.64	168,831.40	0.005208%			0.000000%			0.000000%	14.28	70,578.76	98,266.92	168,845.68
781600	781600	3,000.00	4,200.00	7,200.00	0.000222%			0.000000%	1,404.00	1,403.88	0.002456%	561.60	4,404.00	6,165.48	10,569.48
781700	781700	2,552.39	3,573.23	6,125.62	0.000189%	992.63	1,389.60	0.002321%			0.000000%		3,545.02	4,962.83	8,507.85
781800	781800	13,490.52	18,886.59	32,377.11	0.000999%			0.000000%			0.000000%		13,490.52	18,886.59	32,377.11
781900	781900	3,471.97	4,860.66	8,332.63	0.000257%	936.00	1,310.40	0.002188%			0.000000%		4,407.97	6,171.06	10,579.03
782000	782000	5,652.57	7,913.31	13,565.88	0.000418%			0.000000%			0.000000%		5,652.57	7,913.31	13,565.88
782100	782100	7,118.11	9,965.33	17,083.44	0.000527%			0.000000%			0.000000%		7,118.11	9,965.33	17,083.44
782200	782200	17,620.98	24,669.21	42,290.19	0.001305%			0.000000%			0.000000%		17,620.98	24,669.21	42,290.19
782300	782300	8,250.12	11,550.00	19,800.12	0.000611%			0.000000%			0.000000%		8,250.12	11,550.00	19,800.12
782400	782400	9,418.92	13,186.45	22,605.37	0.000697%			0.000000%			0.000000%		9,418.92	13,186.45	22,605.37
782500	782500	11,289.43	15,804.96	27,094.39	0.000836%			0.000000%			0.000000%		11,289.43	15,804.96	27,094.39
782600	782600	5,614.94	7,860.69	13,475.63	0.000416%			0.000000%			0.000000%		5,614.94	7,860.69	13,475.63
782700	782700	5,605.45	7,847.38	13,452.83	0.000415%			0.000000%			0.000000%		5,605.45	7,847.38	13,452.83
782800	782800	4,451.88	6,232.61	10,684.49	0.000330%			0.000000%			0.000000%		4,451.88	6,232.61	10,684.49
782900	782900	4,937.68	6,912.47	11,850.15	0.000366%			0.000000%			0.000000%		4,937.68	6,912.47	11,850.15
783000	783000	8,979.29	12,570.70	21,549.99	0.000665%			0.000000%			0.000000%		8,979.29	12,570.70	21,549.99
783100	783108	50,666.07	70,931.86	121,597.93	0.003751%			0.000000%			0.000000%		50,666.07	70,931.86	121,597.93
783100	989100	19,192.11	26,720.59	45,912.70	0.001416%			0.000000%			0.000000%		19,192.11	26,720.59	45,912.70
783100	989108	79,118.14	110,157.71	189,275.85	0.005839%			0.000000%			0.000000%		79,118.14	110,157.71	189,275.85
783200	783200	12,374.24	17,323.72	29,697.96	0.000916%			0.000000%	570.00	570.12	0.000997%	227.88	12,944.24	18,121.72	31,065.96
783300	783300	12,302.31	17,223.33	29,525.64	0.000911%			0.000000%	474.74	474.74	0.000830%	189.88	12,777.05	17,887.95	30,665.00
783400	783400	43,076.64	60,307.43	103,384.07	0.003189%			0.000000%			0.000000%		43,076.64	60,307.43	103,384.07
783500	783500	15,503.14	21,704.75	37,207.89	0.001148%			0.000000%			0.000000%		15,503.14	21,704.75	37,207.89
783600	783600	43,248.24	59,637.89	102,886.13	0.003174%			0.000000%			0.000000%	911.44	43,248.24	60,549.33	103,797.57
783600	982100	68,803.88	96,541.25	165,345.13	0.005101%			0.000000%			0.000000%	(903.58)	68,803.88	95,637.67	164,441.55
783700	783700	11,460.68	16,044.93	27,505.61	0.000849%			0.000000%			0.000000%		11,460.68	16,044.93	27,505.61
783800	783800	24,634.36	34,488.22	59,122.58	0.001824%			0.000000%			0.000000%		24,634.36	34,488.22	59,122.58
783900	783908	12,754.30	17,856.09	30,610.39	0.000944%			0.000000%	297.22	297.23	0.000520%	118.88	13,051.52	18,272.20	31,323.72
784000	784000	24,037.86	33,653.27	57,691.13	0.001780%			0.000000%			0.000000%		24,037.86	33,653.27	57,691.13
784100	784100	53,258.99	74,562.54	127,821.53	0.003943%			0.000000%	90.68	90.68	0.000159%	36.27	53,349.67	74,689.49	128,039.16
784100	980770	70,256.24	97,818.18	168,074.42	0.005185%			0.000000%			0.000000%		70,256.24	97,818.18	168,074.42
784200	784208	45,115.67	63,161.96	108,277.63	0.003340%	7,263.09	10,168.22	0.016982%	1,298.60	1,298.63	0.002272%	519.44	53,677.36	75,148.25	128,825.61
784200	983008	132,682.01	184,733.25	317,415.26	0.009792%			0.000000%			0.000000%		132,682.01	184,733.25	317,415.26
784300	784300	21,515.77	30,122.26	51,638.03	0.001593%			0.000000%	5,559.07	5,559.07	0.009725%	2,223.63	27,074.84	37,904.96	64,979.80
784400	784400	13,099.06	18,338.44	31,437.50	0.000970%			0.000000%			0.000000%		13,099.06	18,338.44	31,437.50
784500	784500	15,545.63	21,764.00	37,309.63	0.001151%			0.000000%	1,247.76	1,247.88	0.002183%	499.08	16,793.39	23,510.96	40,304.35
784600	784600	12,328.88	17,260.38	29,589.26	0.000913%			0.000000%			0.000000%		12,328.88	17,260.38	29,589.26
784700	784708	14,169.39	19,838.07	34,007.46	0.001049%	1,118.82	1,566.30	0.002616%			0.000000%		15,288.21	21,404.37	36,692.58
784800	784800	6,479.08	9,070.70	15,549.78	0.000480%			0.000000%			0.000000%		6,479.08	9,070.70	15,549.78
784900	784900	9,786.02	13,700.09	23,486.11	0.000725%			0.000000%			0.000000%		9,786.02	13,700.09	23,486.11
785000	785000	8,183.14	11,456.39	19,639.53	0.000606%			0.000000%			0.000000%		8,183.14	11,456.39	19,639.53
785100	785100	9,037.49	12,652.46	21,689.95	0.000669%			0.000000%			0.000000%		9,037.49	12,652.46	21,689.95
785200	785200	9,632.35	13,442.41	23,074.76	0.000712%			0.000000%			0.000000%	43.03	9,632.35	13,485.44	23,117.79
785300	785300	7,113.42	9,958.75	17,072.17	0.000527%			0.000000%			0.000000%		7,113.42	9,958.75	17,072.17
785400	785400	3,991.82	5,588.54	9,580.36	0.000296%			0.000000%			0.000000%		3,991.82	5,588.54	9,580.36
785500	785500	8,720.25	12,208.30	20,928.55	0.000646%			0.000000%			0.000000%		8,720.25	12,208.30	20,928.55
785600	785600	6,961.88	9,746.76	16,708.64	0.000515%			0.000000%			0.000000%		6,961.88	9,746.76	16,708.64
785700	785700	6,798.79	9,518.32	16,317.11	0.000503%			0.000000%			0.000000%		6,798.79	9,518.32	16,317.11

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
785800	785800	7,802.49	10,923.47	18,725.96	0.000578%			0.000000%			0.000000%		7,802.49	10,923.47	18,725.96
785900	785900	4,917.20	6,884.06	11,801.26	0.000364%	936.00	1,310.40	0.002188%			0.000000%		5,853.20	8,194.46	14,047.66
786000	786000	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
786100	786100	5,882.50	8,235.50	14,118.00	0.000436%			0.000000%			0.000000%		5,882.50	8,235.50	14,118.00
786200	786200	4,957.17	6,940.02	11,897.19	0.000367%			0.000000%			0.000000%		4,957.17	6,940.02	11,897.19
786300	786300	7,146.69	10,005.15	17,151.84	0.000529%			0.000000%	1,871.75	1,871.75	0.003274%	748.68	9,018.44	12,625.58	21,644.02
786400	786400	8,555.06	11,976.80	20,531.86	0.000633%			0.000000%			0.000000%		8,555.06	11,976.80	20,531.86
786500	786500	4,211.40	5,895.96	10,107.36	0.000312%			0.000000%			0.000000%		4,211.40	5,895.96	10,107.36
786600	786600	5,341.78	7,463.36	12,805.14	0.000395%			0.000000%			0.000000%	14.82	5,341.78	7,478.18	12,819.96
786700	786708	5,031.08	7,043.21	12,074.29	0.000372%			0.000000%			0.000000%		5,031.08	7,043.21	12,074.29
786800	786800	5,926.94	8,297.88	14,224.82	0.000439%			0.000000%			0.000000%		5,926.94	8,297.88	14,224.82
786900	786900	1,985.28	2,779.20	4,764.48	0.000147%	992.64	1,389.60	0.002321%	1,559.76	1,559.76	0.002729%	623.88	4,537.68	6,352.44	10,890.12
787000	787000	7,027.13	9,837.72	16,864.85	0.000520%			0.000000%	163.80	163.80	0.000287%	65.52	7,190.93	10,067.04	17,257.97
787100	787100	2,763.36	3,868.73	6,632.09	0.000205%	1,337.04	1,871.76	0.003126%			0.000000%		4,100.40	5,740.49	9,840.89
787200	787200	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
787300	787300	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
787400	787400	16,227.71	22,718.98	38,946.69	0.001201%			0.000000%	3,700.80	3,700.70	0.006474%	1,480.42	19,928.51	27,900.10	47,828.61
787500	787500	9,959.66	13,943.76	23,903.42	0.000737%			0.000000%			0.000000%		9,959.66	13,943.76	23,903.42
787600	787600	21,109.73	29,553.74	50,663.47	0.001563%			0.000000%			0.000000%		21,109.73	29,553.74	50,663.47
787700	787700	21,797.15	30,515.24	52,312.39	0.001614%			0.000000%			0.000000%	0.23	21,797.15	30,515.47	52,312.62
787800	787800	5,029.23	7,040.90	12,070.13	0.000372%	1,247.80	1,746.92	0.002918%			0.000000%		6,277.03	8,787.82	15,064.85
787900	787908	31,138.45	43,593.79	74,732.24	0.002305%			0.000000%			0.000000%		31,138.45	43,593.79	74,732.24
788000	788000	11,809.93	16,533.69	28,343.62	0.000874%	1,134.23	1,587.84	0.002652%			0.000000%		12,944.16	18,121.53	31,065.69
788100	788100	2,336.61	3,271.05	5,607.66	0.000173%	1,134.24	1,587.84	0.002652%	1,871.76	1,871.76	0.003274%	748.68	5,342.61	7,479.33	12,821.94
788200	788200	3,402.72	4,763.52	8,166.24	0.000252%			0.000000%			0.000000%		3,402.72	4,763.52	8,166.24
788300	788300	5,926.92	8,297.88	14,224.80	0.000439%			0.000000%			0.000000%		5,926.92	8,297.88	14,224.80
788400	788400	20,405.76	28,568.12	48,973.88	0.001511%			0.000000%	1,199.26	1,199.36	0.002098%	479.68	21,605.02	30,247.16	51,852.18
788500	788500	5,274.50	7,384.32	12,658.82	0.000391%			0.000000%			0.000000%		5,274.50	7,384.32	12,658.82
788600	788600	5,024.39	7,034.16	12,058.55	0.000372%			0.000000%			0.000000%		5,024.39	7,034.16	12,058.55
788700	788700	3,516.48	4,922.93	8,439.41	0.000260%			0.000000%			0.000000%		3,516.48	4,922.93	8,439.41
788800	788800	2,808.00	3,931.20	6,739.20	0.000208%			0.000000%	1,403.88	1,403.88	0.002456%	561.59	4,211.88	5,896.67	10,108.55
788900	788900	9,119.90	12,767.55	21,887.45	0.000675%			0.000000%			0.000000%		9,119.90	12,767.55	21,887.45
789000	789000	2,617.80	3,664.92	6,282.72	0.000194%			0.000000%	808.20	808.20	0.001414%	323.28	3,426.00	4,796.40	8,222.40
789100	789100	5,717.38	7,973.22	13,690.60	0.000422%			0.000000%			0.000000%	31.20	5,717.38	8,004.42	13,721.80
789200	789200	4,500.88	6,301.23	10,802.11	0.000333%			0.000000%			0.000000%		4,500.88	6,301.23	10,802.11
789300	789300	7,270.90	10,179.21	17,450.11	0.000538%			0.000000%			0.000000%		7,270.90	10,179.21	17,450.11
789400	789400	5,505.54	7,707.73	13,213.27	0.000408%			0.000000%			0.000000%		5,505.54	7,707.73	13,213.27
789500	789500	10,648.53	14,907.89	25,556.42	0.000788%			0.000000%			0.000000%		10,648.53	14,907.89	25,556.42
789600	789600	5,323.68	7,453.14	12,776.82	0.000394%			0.000000%			0.000000%		5,323.68	7,453.14	12,776.82
789700	789700	7,532.23	10,545.16	18,077.39	0.000558%			0.000000%			0.000000%		7,532.23	10,545.16	18,077.39
789800	789800	4,795.40	6,713.29	11,508.69	0.000355%			0.000000%			0.000000%		4,795.40	6,713.29	11,508.69
789900	789900	4,592.91	6,430.08	11,022.99	0.000340%			0.000000%			0.000000%		4,592.91	6,430.08	11,022.99
790000	790000	9,839.47	13,775.35	23,614.82	0.000728%			0.000000%			0.000000%		9,839.47	13,775.35	23,614.82
790100	790100	8,837.68	12,372.44	21,210.12	0.000654%			0.000000%			0.000000%		8,837.68	12,372.44	21,210.12
790200	790200	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
790300	790300	2,010.97	2,815.39	4,826.36	0.000149%			0.000000%			0.000000%		2,010.97	2,815.39	4,826.36
790400	790400	86,364.23	120,910.06	207,274.29	0.006394%			0.000000%			0.000000%		86,364.23	120,910.06	207,274.29
790400	981500	165,594.39	230,558.26	396,152.65	0.012221%			0.000000%			0.000000%		165,594.39	230,558.26	396,152.65
790500	790508	29,881.96	41,835.00	71,716.96	0.002212%			0.000000%			0.000000%		29,881.96	41,835.00	71,716.96
790500	981408	25,182.98	35,062.49	60,245.47	0.001858%			0.000000%			0.000000%		25,182.98	35,062.49	60,245.47
790600	790600	20,867.88	29,214.44	50,082.32	0.001545%			0.000000%			0.000000%		20,867.88	29,214.44	50,082.32
790600	989000	40,401.87	56,251.77	96,653.64	0.002982%			0.000000%			0.000000%		40,401.87	56,251.77	96,653.64
790700	790700	1,253.22	1,754.51	3,007.73	0.000093%			0.000000%			0.000000%		1,253.22	1,754.51	3,007.73
790700	790708	160,112.95	224,158.16	384,271.11	0.011854%	3,106.44	4,348.92	0.007263%	3,962.16	3,962.16	0.006931%	1,584.86	167,181.55	234,054.10	401,235.65
790800	790800	87,548.19	88,751.90	176,300.09	0.005439%			0.000000%			0.000000%	36,256.85	87,548.19	125,008.75	212,556.94
790800	790808	(64,579.42)	(56,388.29)	(120,967.71)	-0.003732%	218.94	306.51	0.000512%	118.02	118.04	0.000206%	(36,417.33)	(64,242.46)	(92,381.07)	(156,623.53)
790800	981600	197,382.67	241,489.27	438,871.94	0.013539%			0.000000%			0.000000%	54,725.45	197,382.67	296,214.72	493,597.39
790800	981608	(166,888.39)	(198,372.18)	(365,260.57)	-0.011268%			0.000000%			0.000000%	(55,369.26)	(166,888.39)	(253,741.44)	(420,629.83)
790900	790900	47,324.33	65,913.78	113,238.11	0.003493%	2,626.00	3,636.00	0.006072%			0.000000%	381.03	49,950.33	69,930.81	119,881.14
791200	791208	222,081.51	310,914.12	532,995.63	0.016442%	5,428.82	7,600.38	0.012693%	8,432.85	8,432.96	0.014752%	3,373.16	235,943.18	330,320.62	566,263.80
791200	983108	361,676.45	503,565.52	865,241.97	0.026692%			0.000000%			0.000000%		361,676.45	503,565.52	865,241.97
791400	791408	17,000.61	23,861.60	40,862.21	0.001261%	2,308.72	3,171.37	0.005296%	2,175.77	2,175.81	0.003806%	870.27	21,485.10	30,079.05	51,564.15
791400	986808	11,183.73	15,571.12	26,754.85	0.000825%			0.000000%			0.000000%		11,183.73	15,571.12	26,754.85

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
791700	791708	432,880.99	606,030.29	1,038,911.28	0.032049%	5,321.81	7,450.44	0.012443%	27,848.48	27,848.39	0.048717%	11,139.41	466,051.28	652,468.53	1,118,519.81
791900	791900	5,279.64	7,391.50	12,671.14	0.000391%			0.000000%			0.000000%		5,279.64	7,391.50	12,671.14
792000	792000	5,960.37	8,313.91	14,274.28	0.000440%			0.000000%			0.000000%	30.24	5,960.37	8,344.15	14,304.52
792100	792100	9,417.75	13,185.17	22,602.92	0.000697%			0.000000%			0.000000%		9,417.75	13,185.17	22,602.92
792200	792200	5,399.74	7,559.62	12,959.36	0.000400%			0.000000%			0.000000%		5,399.74	7,559.62	12,959.36
792300	792300	8,551.91	11,913.76	20,465.67	0.000631%			0.000000%			0.000000%	58.98	8,551.91	11,972.74	20,524.65
792400	792400	6,617.29	9,264.13	15,881.42	0.000490%			0.000000%			0.000000%		6,617.29	9,264.13	15,881.42
792500	792500	4,884.45	6,798.40	11,682.85	0.000360%			0.000000%			0.000000%	39.85	4,884.45	6,838.25	11,722.70
792600	792600	6,860.68	9,604.93	16,465.61	0.000508%			0.000000%			0.000000%		6,860.68	9,604.93	16,465.61
792700	792700	4,751.60	6,652.19	11,403.79	0.000352%	936.00	1,310.40	0.002188%			0.000000%		5,687.60	7,962.59	13,650.19
792800	792800	4,604.31	6,445.99	11,050.30	0.000341%			0.000000%			0.000000%		4,604.31	6,445.99	11,050.30
792900	792900	6,080.63	8,512.86	14,593.49	0.000450%			0.000000%			0.000000%		6,080.63	8,512.86	14,593.49
793000	793000	5,224.43	7,314.18	12,538.61	0.000387%			0.000000%			0.000000%		5,224.43	7,314.18	12,538.61
793100	793100	6,422.80	8,991.92	15,414.72	0.000476%			0.000000%			0.000000%		6,422.80	8,991.92	15,414.72
793200	793200	4,590.08	6,426.06	11,016.14	0.000340%			0.000000%			0.000000%		4,590.08	6,426.06	11,016.14
793300	793300	6,474.48	9,063.96	15,538.44	0.000479%			0.000000%			0.000000%		6,474.48	9,063.96	15,538.44
793400	793400	4,537.65	6,352.41	10,890.06	0.000336%			0.000000%			0.000000%		4,537.65	6,352.41	10,890.06
793500	793500	6,913.64	9,678.76	16,592.40	0.000512%			0.000000%	541.08	541.08	0.000947%	216.36	7,454.72	10,436.20	17,890.92
793600	793608	8,332.78	11,665.63	19,998.41	0.000617%			0.000000%			0.000000%		8,332.78	11,665.63	19,998.41
793700	793700	5,197.42	7,276.23	12,473.65	0.000385%			0.000000%			0.000000%		5,197.42	7,276.23	12,473.65
793800	793800	7,143.71	9,931.52	17,075.23	0.000527%			0.000000%			0.000000%	69.36	7,143.71	10,000.88	17,144.59
793900	793900	6,757.29	9,459.90	16,217.19	0.000500%			0.000000%			0.000000%		6,757.29	9,459.90	16,217.19
794000	794000	5,167.88	7,197.92	12,365.80	0.000381%			0.000000%			0.000000%	36.78	5,167.88	7,234.70	12,402.58
794100	794100	8,418.48	11,785.70	20,204.18	0.000623%			0.000000%			0.000000%		8,418.48	11,785.70	20,204.18
794200	794200	4,537.68	6,352.49	10,890.17	0.000336%			0.000000%			0.000000%		4,537.68	6,352.49	10,890.17
794300	794300	5,964.69	8,350.23	14,314.92	0.000442%			0.000000%			0.000000%		5,964.69	8,350.23	14,314.92
794400	794400	4,728.70	6,620.18	11,348.88	0.000350%			0.000000%			0.000000%		4,728.70	6,620.18	11,348.88
794500	794500	900.00	1,260.07	2,160.07	0.000067%	2,458.80	3,442.32	0.005749%	600.00	600.00	0.001050%	240.00	3,958.80	5,542.39	9,501.19
794600	794600	7,710.24	10,794.21	18,504.45	0.000571%			0.000000%	1,134.24	1,134.24	0.001984%	453.61	8,844.48	12,382.06	21,226.54
794700	794700	4,867.08	6,813.89	11,680.97	0.000360%			0.000000%	2,120.04	2,119.92	0.003708%	848.04	6,987.12	9,781.85	16,768.97
794800	794800	6,816.18	9,542.41	16,358.59	0.000505%			0.000000%			0.000000%		6,816.18	9,542.41	16,358.59
794900	794900	5,435.83	7,609.89	13,045.72	0.000402%			0.000000%	733.37	733.26	0.001283%	293.37	6,169.20	8,636.52	14,805.72
795000	795000	8,473.23	11,862.51	20,335.74	0.000627%			0.000000%			0.000000%		8,473.23	11,862.51	20,335.74
795100	795100	6,323.20	8,852.52	15,175.72	0.000468%			0.000000%			0.000000%		6,323.20	8,852.52	15,175.72
795200	795200	12,448.82	17,428.06	29,876.88	0.000922%			0.000000%			0.000000%		12,448.82	17,428.06	29,876.88
795300	795300	3,930.56	5,502.77	9,433.33	0.000291%			0.000000%			0.000000%		3,930.56	5,502.77	9,433.33
795400	795400	18,936.86	26,511.76	45,448.62	0.001402%			0.000000%	715.00	715.00	0.001251%	286.00	19,651.86	27,512.76	47,164.62
795500	795500	9,633.08	13,486.06	23,119.14	0.000713%			0.000000%			0.000000%		9,633.08	13,486.06	23,119.14
795600	795600	3,760.21	5,264.27	9,024.48	0.000278%			0.000000%			0.000000%		3,760.21	5,264.27	9,024.48
795700	795700	8,107.34	11,350.06	19,457.40	0.000600%			0.000000%	992.64	992.64	0.001736%	396.96	9,099.98	12,739.66	21,839.64
795800	795800	10,383.49	14,536.86	24,920.35	0.000769%			0.000000%			0.000000%		10,383.49	14,536.86	24,920.35
795900	795900	6,440.11	8,927.69	15,367.80	0.000474%			0.000000%			0.000000%	88.44	6,440.11	9,016.13	15,456.24
796000	796000	9,178.88	12,850.11	22,028.99	0.000680%			0.000000%			0.000000%		9,178.88	12,850.11	22,028.99
796100	796100	6,605.05	9,247.04	15,852.09	0.000489%			0.000000%			0.000000%		6,605.05	9,247.04	15,852.09
796200	796200	6,458.33	9,041.60	15,499.93	0.000478%			0.000000%			0.000000%		6,458.33	9,041.60	15,499.93
796300	796300	6,968.70	9,756.20	16,724.90	0.000516%			0.000000%			0.000000%		6,968.70	9,756.20	16,724.90
796400	796400	12,272.14	17,172.27	29,444.41	0.000908%			0.000000%			0.000000%	8.48	12,272.14	17,180.75	29,452.89
796500	796500	15,771.76	22,080.46	37,852.22	0.001168%			0.000000%			0.000000%		15,771.76	22,080.46	37,852.22
796600	796600	13,326.11	18,656.17	31,982.28	0.000987%			0.000000%			0.000000%		13,326.11	18,656.17	31,982.28
796700	796700	1,576.16	2,206.47	3,782.63	0.000117%			0.000000%			0.000000%		1,576.16	2,206.47	3,782.63
796700	796708	6,439.48	9,015.23	15,454.71	0.000477%			0.000000%			0.000000%		6,439.48	9,015.23	15,454.71
796800	796800	5,430.75	7,603.07	13,033.82	0.000402%	1,403.88	1,965.48	0.003283%			0.000000%		6,834.63	9,568.55	16,403.18
796900	796900	7,932.28	11,105.17	19,037.45	0.000587%			0.000000%			0.000000%		7,932.28	11,105.17	19,037.45
797000	797008	13,652.72	19,113.54	32,766.26	0.001011%			0.000000%			0.000000%		13,652.72	19,113.54	32,766.26
797100	797100	9,302.53	13,023.26	22,325.79	0.000689%			0.000000%			0.000000%		9,302.53	13,023.26	22,325.79
797200	797200	12,024.30	16,833.66	28,857.96	0.000890%			0.000000%			0.000000%		12,024.30	16,833.66	28,857.96
797300	797300	11,244.70	15,742.76	26,987.46	0.000833%			0.000000%			0.000000%		11,244.70	15,742.76	26,987.46
797500	797500	6,720.98	9,409.08	16,130.06	0.000498%			0.000000%			0.000000%		6,720.98	9,409.08	16,130.06
797600	797600	3,275.88	4,586.21	7,862.09	0.000243%			0.000000%			0.000000%		3,275.88	4,586.21	7,862.09
797700	797700	5,332.38	7,465.32	12,797.70	0.000395%			0.000000%			0.000000%		5,332.38	7,465.32	12,797.70
797800	797800	4,749.61	6,649.42	11,399.03	0.000352%			0.000000%			0.000000%		4,749.61	6,649.42	11,399.03
797900	797900	2,394.12	3,352.10	5,746.22	0.000177%	1,798.56	2,518.06	0.004205%			0.000000%		4,192.68	5,870.16	10,062.84
798000	798000	3,275.88	4,586.21	7,862.09	0.000243%			0.000000%			0.000000%		3,275.88	4,586.21	7,862.09

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
798100	798100	5,218.73	7,306.20	12,524.93	0.000386%			0.000000%			0.000000%		5,218.73	7,306.20	12,524.93
798200	798200	3,246.96	4,545.77	7,792.73	0.000240%			0.000000%			0.000000%		3,246.96	4,545.77	7,792.73
798300	798300	4,211.88	5,896.56	10,108.44	0.000312%			0.000000%			0.000000%		4,211.88	5,896.56	10,108.44
798400	798400	4,914.22	6,879.80	11,794.02	0.000364%			0.000000%			0.000000%		4,914.22	6,879.80	11,794.02
798500	798500	4,155.10	5,817.10	9,972.20	0.000308%			0.000000%			0.000000%		4,155.10	5,817.10	9,972.20
798600	798600	4,631.88	6,484.63	11,116.51	0.000343%			0.000000%	49.00	49.00	0.000086%	19.60	4,680.88	6,553.23	11,234.11
798700	798700	3,860.89	5,405.23	9,266.12	0.000286%			0.000000%			0.000000%		3,860.89	5,405.23	9,266.12
798800	798800	3,642.63	5,099.67	8,742.30	0.000270%			0.000000%			0.000000%		3,642.63	5,099.67	8,742.30
798900	798900	4,354.37	6,096.11	10,450.48	0.000322%			0.000000%			0.000000%		4,354.37	6,096.11	10,450.48
799000	799000	19,643.37	27,500.38	47,143.75	0.001454%			0.000000%			0.000000%		19,643.37	27,500.38	47,143.75
799100	799100	10,471.20	14,659.39	25,130.59	0.000775%			0.000000%			0.000000%		10,471.20	14,659.39	25,130.59
799200	799200	18,366.32	25,712.61	44,078.93	0.001360%			0.000000%	1,209.67	1,209.67	0.002116%	483.87	19,575.99	27,406.15	46,982.14
799300	799300	12,011.69	17,107.96	29,119.65	0.000898%			0.000000%			0.000000%	(291.30)	12,011.69	16,816.66	28,828.35
799300	799308	15,767.53	21,394.77	37,162.30	0.001146%			0.000000%			0.000000%	689.39	15,767.53	22,084.16	37,851.69
799300	986308	12,227.54	16,535.90	28,763.44	0.000887%			0.000000%			0.000000%	772.82	12,227.54	17,308.72	29,536.26
799400	799400	32,661.07	45,725.67	78,386.74	0.002418%			0.000000%			0.000000%		32,661.07	45,725.67	78,386.74
799400	985300	39,645.62	55,198.88	94,844.50	0.002926%			0.000000%			0.000000%		39,645.62	55,198.88	94,844.50
799500	799500	19,612.23	27,456.60	47,068.83	0.001452%			0.000000%			0.000000%		19,612.23	27,456.60	47,068.83
799500	982900	25,432.27	35,409.45	60,841.72	0.001877%			0.000000%			0.000000%		25,432.27	35,409.45	60,841.72
799500	982908	(11.31)	(12.51)	(23.82)	-0.000001%			0.000000%			0.000000%	(6.72)	(11.31)	(19.23)	(30.54)
799600	799600	23,444.72	32,822.50	56,267.22	0.001736%	6,146.53	8,605.15	0.014371%	10,791.04	10,791.08	0.018877%	4,316.37	40,382.29	56,535.10	96,917.39
799600	984700	51,425.78	71,600.36	123,026.14	0.003795%			0.000000%			0.000000%		51,425.78	71,600.36	123,026.14
799700	799700	9,222.59	12,911.29	22,133.88	0.000683%	3,365.60	4,711.84	0.007869%			0.000000%		12,588.19	17,623.13	30,211.32
799800	799800	29,956.32	41,938.77	71,895.09	0.002218%	2,213.77	3,099.27	0.005176%			0.000000%		32,170.09	45,038.04	77,208.13
799900	799900	18,223.07	25,512.50	43,735.57	0.001349%			0.000000%			0.000000%		18,223.07	25,512.50	43,735.57
800000	800000	34,402.82	48,163.77	82,566.59	0.002547%			0.000000%			0.000000%		34,402.82	48,163.77	82,566.59
800100	800100	21,491.89	30,088.47	51,580.36	0.001591%			0.000000%			0.000000%		21,491.89	30,088.47	51,580.36
800200	800200	5,596.95	7,835.46	13,432.41	0.000414%			0.000000%			0.000000%		5,596.95	7,835.46	13,432.41
800300	800300	6,692.62	9,369.34	16,061.96	0.000495%			0.000000%	538.02	538.02	0.000941%	215.21	7,230.64	10,122.57	17,353.21
800400	800400	4,019.55	5,627.24	9,646.79	0.000298%	992.63	1,389.60	0.002321%	992.63	992.63	0.001736%	396.97	6,004.81	8,406.44	14,411.25
800500	800500	6,251.47	8,751.89	15,003.36	0.000463%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	8,123.23	11,372.33	19,495.56
800600	800600	6,740.76	9,437.09	16,177.85	0.000499%			0.000000%			0.000000%		6,740.76	9,437.09	16,177.85
800700	800700	7,359.57	10,303.05	17,662.62	0.000545%			0.000000%			0.000000%		7,359.57	10,303.05	17,662.62
800800	800800	3,485.88	4,880.21	8,366.09	0.000258%			0.000000%	936.00	936.00	0.001637%	374.40	4,421.88	6,190.61	10,612.49
800900	800900	4,026.55	5,636.91	9,663.46	0.000298%			0.000000%			0.000000%		4,026.55	5,636.91	9,663.46
801000	801000	5,242.49	7,339.29	12,581.78	0.000388%			0.000000%			0.000000%		5,242.49	7,339.29	12,581.78
801100	801100	3,552.46	4,973.37	8,525.83	0.000263%			0.000000%			0.000000%		3,552.46	4,973.37	8,525.83
801200	801200	6,341.44	8,877.72	15,219.16	0.000469%			0.000000%			0.000000%		6,341.44	8,877.72	15,219.16
801300	801300	6,816.68	9,543.05	16,359.73	0.000505%			0.000000%			0.000000%		6,816.68	9,543.05	16,359.73
801400	801400	8,713.49	12,198.83	20,912.32	0.000645%			0.000000%			0.000000%		8,713.49	12,198.83	20,912.32
801500	801500	8,303.23	11,624.42	19,927.65	0.000615%			0.000000%			0.000000%		8,303.23	11,624.42	19,927.65
801600	801600	4,312.11	6,036.86	10,348.97	0.000319%			0.000000%			0.000000%		4,312.11	6,036.86	10,348.97
801700	801700	9,421.56	13,190.15	22,611.71	0.000698%			0.000000%			0.000000%		9,421.56	13,190.15	22,611.71
801800	801800	10,842.77	15,179.61	26,022.38	0.000803%			0.000000%			0.000000%		10,842.77	15,179.61	26,022.38
801900	801900	8,960.53	12,544.45	21,504.98	0.000663%			0.000000%			0.000000%		8,960.53	12,544.45	21,504.98
802000	802000	6,296.47	8,814.76	15,111.23	0.000466%			0.000000%			0.000000%		6,296.47	8,814.76	15,111.23
802100	802100	3,275.88	4,586.21	7,862.09	0.000243%			0.000000%	936.00	936.00	0.001637%	374.40	4,211.88	5,896.61	10,108.49
802200	802200	8,721.58	12,119.88	20,841.46	0.000643%			0.000000%			0.000000%	90.27	8,721.58	12,210.15	20,931.73
802300	802300	9,536.96	13,351.66	22,888.62	0.000706%			0.000000%			0.000000%		9,536.96	13,351.66	22,888.62
802400	802400	4,221.88	5,910.61	10,132.49	0.000313%			0.000000%	2,795.20	2,795.20	0.004890%	1,118.08	7,017.08	9,823.89	16,840.97
802500	802500	15,321.78	21,450.49	36,772.27	0.001134%			0.000000%			0.000000%		15,321.78	21,450.49	36,772.27
802600	802600	5,287.88	7,403.03	12,690.91	0.000391%			0.000000%			0.000000%		5,287.88	7,403.03	12,690.91
802700	802700	13,804.11	19,326.02	33,130.13	0.001022%			0.000000%			0.000000%		13,804.11	19,326.02	33,130.13
802800	802808	10,715.58	15,001.57	25,717.15	0.000793%			0.000000%			0.000000%		10,715.58	15,001.57	25,717.15
802900	802900	9,409.71	13,173.28	22,582.99	0.000697%			0.000000%			0.000000%		9,409.71	13,173.28	22,582.99
803000	803000	5,379.15	7,530.92	12,910.07	0.000398%	1,247.77	1,746.96	0.002918%			0.000000%		6,626.92	9,277.88	15,904.80
803100	803100	15,714.94	22,001.08	37,716.02	0.001163%			0.000000%			0.000000%		15,714.94	22,001.08	37,716.02
803200	803200	6,879.48	9,631.46	16,510.94	0.000509%			0.000000%			0.000000%		6,879.48	9,631.46	16,510.94
803300	803300	6,070.71	8,498.78	14,569.49	0.000449%			0.000000%			0.000000%		6,070.71	8,498.78	14,569.49
803400	803400	10,194.55	14,272.61	24,467.16	0.000755%			0.000000%			0.000000%		10,194.55	14,272.61	24,467.16
803500	803500	8,303.42	11,624.58	19,928.00	0.000615%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	9,437.66	13,212.42	22,650.08
803600	803600	4,950.82	6,931.04	11,881.86	0.000367%			0.000000%			0.000000%		4,950.82	6,931.04	11,881.86
803700	803700	6,930.96	9,654.96	16,585.92	0.000512%			0.000000%			0.000000%	48.21	6,930.96	9,703.17	16,634.13

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
803800	803800	9,680.69	13,553.15	23,233.84	0.000717%			0.000000%			0.000000%		9,680.69	13,553.15	23,233.84
803900	803900	8,745.36	12,243.75	20,989.11	0.000647%	5,297.47	7,416.44	0.012386%			0.000000%		14,042.83	19,660.19	33,703.02
804000	804000	15,707.22	21,990.28	37,697.50	0.001163%			0.000000%			0.000000%		15,707.22	21,990.28	37,697.50
804100	804100	11,852.25	16,593.04	28,445.29	0.000878%			0.000000%			0.000000%		11,852.25	16,593.04	28,445.29
804200	804200	5,028.88	7,040.12	12,069.00	0.000372%			0.000000%			0.000000%		5,028.88	7,040.12	12,069.00
804300	804300	4,316.88	6,043.62	10,360.50	0.000320%			0.000000%			0.000000%		4,316.88	6,043.62	10,360.50
804400	804400	5,395.95	7,554.33	12,950.28	0.000399%			0.000000%	1,403.88	1,403.88	0.002456%	561.60	6,799.83	9,519.81	16,319.64
804500	804500	5,667.05	7,933.88	13,600.93	0.000420%			0.000000%			0.000000%		5,667.05	7,933.88	13,600.93
804600	804600	5,276.28	7,386.77	12,663.05	0.000391%			0.000000%			0.000000%		5,276.28	7,386.77	12,663.05
804700	804700	2,949.08	4,128.71	7,077.79	0.000218%			0.000000%	1,403.88	1,403.88	0.002456%	561.60	4,352.96	6,094.19	10,447.15
804800	804800	9,531.08	13,343.51	22,874.59	0.000706%			0.000000%			0.000000%		9,531.08	13,343.51	22,874.59
804900	804900	3,835.88	5,370.23	9,206.11	0.000284%			0.000000%			0.000000%		3,835.88	5,370.23	9,206.11
805000	805000	7,933.95	11,107.30	19,041.25	0.000587%	992.64	1,389.60	0.002321%			0.000000%		8,926.59	12,496.90	21,423.49
805100	805100	10,358.45	14,471.58	24,830.03	0.000766%			0.000000%			0.000000%	30.47	10,358.45	14,502.05	24,860.50
805200	805200	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
805300	805300	13,257.82	18,560.83	31,818.65	0.000982%			0.000000%			0.000000%		13,257.82	18,560.83	31,818.65
805400	805400	16,960.38	23,744.84	40,705.22	0.001256%			0.000000%			0.000000%		16,960.38	23,744.84	40,705.22
805500	805500	4,609.98	6,453.79	11,063.77	0.000341%			0.000000%			0.000000%		4,609.98	6,453.79	11,063.77
805600	805600	4,330.05	6,062.04	10,392.09	0.000321%			0.000000%			0.000000%		4,330.05	6,062.04	10,392.09
805700	805700	21,329.85	29,861.57	51,191.42	0.001579%			0.000000%	840.00	840.00	0.001469%	336.00	22,169.85	31,037.57	53,207.42
805900	805900	60,007.19	84,010.02	144,017.21	0.004443%			0.000000%	5,185.18	5,185.28	0.009071%	2,074.04	65,192.37	91,269.34	156,461.71
805900	805908				0.000000%			0.000000%			0.000000%				
805900	989400	136,371.14	189,870.72	326,241.86	0.010064%			0.000000%			0.000000%	0.01	136,371.14	189,870.73	326,241.87
806000	806000	9,101.45	12,741.58	21,843.03	0.000674%			0.000000%			0.000000%		9,101.45	12,741.58	21,843.03
806100	806100	24,545.46	34,363.24	58,908.70	0.001817%			0.000000%			0.000000%		24,545.46	34,363.24	58,908.70
806200	806200	14,008.78	19,611.95	33,620.73	0.001037%			0.000000%			0.000000%		14,008.78	19,611.95	33,620.73
806300	806300	32,937.00	46,111.97	79,048.97	0.002439%			0.000000%			0.000000%		32,937.00	46,111.97	79,048.97
806400	806400	11,681.27	16,353.59	28,034.86	0.000865%	300.00	420.00	0.000701%	1,559.76	1,559.76	0.002729%	623.88	13,541.03	18,957.23	32,498.26
806600	806600	21,482.32	30,075.43	51,557.75	0.001590%			0.000000%			0.000000%		21,482.32	30,075.43	51,557.75
806700	806700	9,475.52	13,265.54	22,741.06	0.000702%	1,039.72	1,455.52	0.002431%	4,868.47	4,868.44	0.008517%	1,947.37	15,383.71	21,536.87	36,920.58
806800	806800	16,193.50	22,670.76	38,864.26	0.001199%			0.000000%			0.000000%		16,193.50	22,670.76	38,864.26
806900	806900	14,867.27	20,813.68	35,680.95	0.001101%			0.000000%			0.000000%		14,867.27	20,813.68	35,680.95
807000	807000	11,718.75	16,406.49	28,125.24	0.000868%			0.000000%			0.000000%		11,718.75	16,406.49	28,125.24
807100	807100	47,037.89	65,853.05	112,890.94	0.003483%			0.000000%			0.000000%		47,037.89	65,853.05	112,890.94
807200	807200	26,032.63	36,445.84	62,478.47	0.001927%			0.000000%	3,461.88	3,461.88	0.006056%	1,384.75	29,494.51	41,292.47	70,786.98
807300	807300	26,073.13	36,502.41	62,575.54	0.001930%			0.000000%			0.000000%		26,073.13	36,502.41	62,575.54
807400	807400	17,758.07	24,861.09	42,619.16	0.001315%			0.000000%			0.000000%		17,758.07	24,861.09	42,619.16
807600	807600	29,423.28	41,192.57	70,615.85	0.002178%			0.000000%	1,247.78	1,247.89	0.002183%	498.98	30,671.06	42,939.44	73,610.50
807700	807700	13,422.16	18,790.71	32,212.87	0.000994%			0.000000%			0.000000%		13,422.16	18,790.71	32,212.87
807800	807800	5,274.48	7,383.96	12,658.44	0.000390%			0.000000%			0.000000%		5,274.48	7,383.96	12,658.44
807900	807908	23,748.35	33,247.20	56,995.55	0.001758%			0.000000%			0.000000%		23,748.35	33,247.20	56,995.55
808000	808000	5,409.20	7,572.69	12,981.89	0.000400%			0.000000%	3,406.50	3,406.47	0.005959%	1,362.59	8,815.70	12,341.75	21,157.45
808000	808008	3,302.07	4,622.06	7,924.13	0.000244%			0.000000%	1,656.25	1,656.25	0.002897%	663.22	4,958.32	6,941.53	11,899.85
808100	808100	18,057.43	25,280.53	43,337.96	0.001337%			0.000000%			0.000000%		18,057.43	25,280.53	43,337.96
808200	808200	8,068.00	11,294.87	19,362.87	0.000597%			0.000000%			0.000000%		8,068.00	11,294.87	19,362.87
808300	808300	5,454.52	7,636.05	13,090.57	0.000404%			0.000000%			0.000000%		5,454.52	7,636.05	13,090.57
808400	808400	10,023.62	14,032.77	24,056.39	0.000742%			0.000000%			0.000000%		10,023.62	14,032.77	24,056.39
808500	808500	13,616.52	19,062.95	32,679.47	0.001008%			0.000000%	1,134.23	1,134.23	0.001984%	453.61	14,750.75	20,650.79	35,401.54
808600	808600	11,029.43	15,440.85	26,470.28	0.000817%			0.000000%			0.000000%		11,029.43	15,440.85	26,470.28
808700	808700	9,910.73	13,874.69	23,785.42	0.000734%			0.000000%			0.000000%		9,910.73	13,874.69	23,785.42
808800	808800	10,606.32	14,848.93	25,455.25	0.000785%			0.000000%	1,247.77	1,247.88	0.002183%	499.08	11,854.09	16,595.89	28,449.98
808900	808900	8,767.66	12,274.70	21,042.36	0.000649%			0.000000%			0.000000%		8,767.66	12,274.70	21,042.36
809000	809000	8,752.44	12,253.18	21,005.62	0.000648%			0.000000%			0.000000%		8,752.44	12,253.18	21,005.62
809100	809100	9,790.18	13,706.17	23,496.35	0.000725%			0.000000%			0.000000%		9,790.18	13,706.17	23,496.35
809200	809200	2,808.00	3,931.20	6,739.20	0.000208%	4,876.48	6,827.12	0.011402%			0.000000%		7,684.48	10,758.32	18,442.80
809300	809300	9,780.48	13,692.40	23,472.88	0.000724%			0.000000%			0.000000%		9,780.48	13,692.40	23,472.88
809400	809400	7,676.24	10,746.52	18,422.76	0.000568%			0.000000%			0.000000%		7,676.24	10,746.52	18,422.76
809500	809500	9,697.17	13,575.75	23,272.92	0.000718%			0.000000%			0.000000%		9,697.17	13,575.75	23,272.92
809600	809600	9,571.62	13,400.07	22,971.69	0.000709%			0.000000%			0.000000%		9,571.62	13,400.07	22,971.69
809700	809700	4,140.20	5,796.14	9,936.34	0.000307%			0.000000%	4,112.95	4,112.94	0.007195%	1,645.22	8,253.15	11,554.30	19,807.45
809800	809800	3,402.72	4,763.55	8,166.27	0.000252%			0.000000%	5,407.76	5,407.76	0.009460%	2,163.08	8,810.48	12,334.39	21,144.87
809900	809900	2,808.00	3,931.20	6,739.20	0.000208%	5,562.60	7,787.69	0.013006%			0.000000%		8,370.60	11,718.89	20,089.49
810000	810000	10,163.80	14,229.27	24,393.07	0.000752%			0.000000%			0.000000%		10,163.80	14,229.27	24,393.07

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
810100	810100	6,393.98	8,951.26	15,345.24	0.000473%			0.000000%			0.000000%		6,393.98	8,951.26	15,345.24
810200	810200	8,711.13	12,195.36	20,906.49	0.000645%			0.000000%	992.64	992.64	0.001736%	396.96	9,703.77	13,584.96	23,288.73
810300	810300	9,145.02	12,824.50	21,969.52	0.000678%	1,134.24	1,587.84	0.002652%			0.000000%	(21.67)	10,279.26	14,390.67	24,669.93
810400	810400	14,523.46	20,332.52	34,855.98	0.001075%			0.000000%			0.000000%		14,523.46	20,332.52	34,855.98
810500	810500	7,581.88	10,614.61	18,196.49	0.000561%			0.000000%	936.00	936.00	0.001637%	374.40	8,517.88	11,925.01	20,442.89
810600	810600	11,797.42	16,516.58	28,314.00	0.000873%			0.000000%			0.000000%		11,797.42	16,516.58	28,314.00
810700	810700	8,202.81	11,483.61	19,686.42	0.000607%			0.000000%			0.000000%		8,202.81	11,483.61	19,686.42
810800	810800	10,266.61	14,372.96	24,639.57	0.000760%			0.000000%			0.000000%		10,266.61	14,372.96	24,639.57
810900	810900	11,946.94	16,725.40	28,672.34	0.000885%			0.000000%			0.000000%		11,946.94	16,725.40	28,672.34
811000	811000	18,233.55	25,526.07	43,759.62	0.001350%			0.000000%			0.000000%	0.76	18,233.55	25,526.83	43,760.38
811100	811100	12,752.75	17,853.90	30,606.65	0.000944%			0.000000%			0.000000%		12,752.75	17,853.90	30,606.65
811100	811108	12,756.33	17,858.86	30,615.19	0.000944%			0.000000%			0.000000%		12,756.33	17,858.86	30,615.19
811200	811200	25,738.04	36,033.43	61,771.47	0.001906%			0.000000%			0.000000%		25,738.04	36,033.43	61,771.47
811300	811300	12,462.43	17,447.68	29,910.11	0.000923%	2,183.63	3,057.00	0.005105%	309.40	309.39	0.000541%	123.75	14,955.46	20,937.82	35,893.28
811400	811400	11,539.99	16,155.66	27,695.65	0.000854%			0.000000%			0.000000%		11,539.99	16,155.66	27,695.65
811500	811500	8,433.28	11,806.37	20,239.65	0.000624%			0.000000%			0.000000%		8,433.28	11,806.37	20,239.65
811600	811600	12,918.45	18,086.00	31,004.45	0.000956%			0.000000%			0.000000%		12,918.45	18,086.00	31,004.45
811700	811700	9,461.48	13,245.76	22,707.24	0.000700%			0.000000%			0.000000%		9,461.48	13,245.76	22,707.24
811800	811800	22,309.12	31,232.71	53,541.83	0.001652%			0.000000%	2,423.76	2,423.88	0.004240%	969.48	24,732.88	34,626.07	59,358.95
811900	811900	15,955.52	22,337.99	38,293.51	0.001181%			0.000000%			0.000000%		15,955.52	22,337.99	38,293.51
812000	812000	23,919.91	33,487.85	57,407.76	0.001771%			0.000000%			0.000000%		23,919.91	33,487.85	57,407.76
812100	812100	14,022.06	19,630.56	33,652.62	0.001038%			0.000000%			0.000000%		14,022.06	19,630.56	33,652.62
812200	812200	15,020.66	20,920.64	35,941.30	0.001109%			0.000000%			0.000000%	108.05	15,020.66	21,028.69	36,049.35
812300	812300	3,797.64	5,316.36	9,114.00	0.000281%			0.000000%	2,307.91	2,307.96	0.004037%	923.16	6,105.55	8,547.48	14,653.03
812400	812400	7,257.08	10,159.64	17,416.72	0.000537%			0.000000%			0.000000%		7,257.08	10,159.64	17,416.72
812500	812500	12,570.29	17,661.24	30,231.53	0.000933%			0.000000%			0.000000%	(62.63)	12,570.29	17,598.61	30,168.90
812600	812600	6,599.54	9,238.95	15,838.49	0.000489%			0.000000%			0.000000%		6,599.54	9,238.95	15,838.49
812700	812700	6,056.74	8,479.11	14,535.85	0.000448%			0.000000%			0.000000%		6,056.74	8,479.11	14,535.85
812800	812800	17,378.74	24,330.36	41,709.10	0.001287%			0.000000%			0.000000%		17,378.74	24,330.36	41,709.10
812900	812900	6,406.58	8,969.12	15,375.70	0.000474%			0.000000%			0.000000%		6,406.58	8,969.12	15,375.70
813000	813000	12,280.18	17,192.35	29,472.53	0.000909%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	14,151.94	19,812.79	33,964.73
813100	813100	11,293.46	15,810.58	27,104.04	0.000836%			0.000000%			0.000000%		11,293.46	15,810.58	27,104.04
813200	813200	11,812.12	16,536.77	28,348.89	0.000875%	1,134.24	1,587.96	0.002652%			0.000000%		12,946.36	18,124.73	31,071.09
813300	813300	5,872.88	8,221.73	14,094.61	0.000435%	540.65	756.91	0.001264%			0.000000%		6,413.53	8,978.64	15,392.17
813400	813400	6,880.33	9,688.28	16,568.61	0.000511%	5,410.00	7,518.00	0.012556%	1,075.36	1,075.36	0.001881%	430.04	13,365.69	18,711.68	32,077.37
813500	813500	35,927.94	50,299.24	86,227.18	0.002660%			0.000000%			0.000000%		35,927.94	50,299.24	86,227.18
813600	813600	12,109.74	16,953.32	29,063.06	0.000897%			0.000000%			0.000000%		12,109.74	16,953.32	29,063.06
813700	813700	10,572.67	14,801.51	25,374.18	0.000783%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	11,706.91	16,389.35	28,096.26
813800	813800	12,814.67	17,940.52	30,755.19	0.000949%			0.000000%			0.000000%		12,814.67	17,940.52	30,755.19
813900	813900	23,847.26	33,386.15	57,233.41	0.001766%			0.000000%			0.000000%		23,847.26	33,386.15	57,233.41
814100	814100	13,538.10	18,952.91	32,491.01	0.001002%			0.000000%			0.000000%		13,538.10	18,952.91	32,491.01
814200	814200	6,640.52	9,296.44	15,936.96	0.000492%	3,109.98	4,353.94	0.007271%			0.000000%		9,750.50	13,650.38	23,400.88
814300	814300	7,378.00	10,329.08	17,707.08	0.000546%			0.000000%	2,268.48	2,268.48	0.003968%	907.20	9,646.48	13,504.76	23,151.24
814400	814400	7,128.00	9,978.94	17,106.94	0.000528%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	8,262.24	11,566.78	19,829.02
814500	814500	6,821.57	9,550.02	16,371.59	0.000505%	992.34	1,389.18	0.002320%	992.34	992.31	0.001736%	396.87	8,806.25	12,328.38	21,134.63
814600	814600	22,019.69	30,827.70	52,847.39	0.001630%	296.39	414.94	0.000693%	1,361.17	1,361.17	0.002381%	544.55	23,677.25	33,148.36	56,825.61
814700	814700	5,133.64	7,187.00	12,320.64	0.000380%	2,268.48	3,175.68	0.005304%			0.000000%		7,402.12	10,362.68	17,764.80
814800	814800	9,018.35	12,625.38	21,643.73	0.000668%			0.000000%			0.000000%		9,018.35	12,625.38	21,643.73
814900	814900	8,666.58	12,132.87	20,799.45	0.000642%			0.000000%			0.000000%		8,666.58	12,132.87	20,799.45
815000	815000	14,056.36	19,678.95	33,735.31	0.001041%			0.000000%			0.000000%		14,056.36	19,678.95	33,735.31
815100	815100	14,646.56	20,508.25	35,154.81	0.001084%			0.000000%			0.000000%	(2.83)	14,646.56	20,505.42	35,151.98
815200	815200	7,268.93	10,176.24	17,445.17	0.000538%			0.000000%			0.000000%		7,268.93	10,176.24	17,445.17
815300	815300	8,105.49	11,338.25	19,443.74	0.000600%			0.000000%			0.000000%	9.54	8,105.49	11,347.79	19,453.28
815400	815400	13,441.73	18,818.49	32,260.22	0.000995%	3,405.37	4,767.51	0.007962%	1,247.76	1,247.88	0.002183%	499.08	18,094.86	25,332.96	43,427.82
815500	815500	44,806.84	62,407.24	107,214.08	0.003307%			0.000000%			0.000000%	322.56	44,806.84	62,729.80	107,536.64
815600	815600	12,020.43	16,828.25	28,848.68	0.000890%			0.000000%			0.000000%		12,020.43	16,828.25	28,848.68
815700	815700	11,633.22	16,286.20	27,919.42	0.000861%			0.000000%			0.000000%		11,633.22	16,286.20	27,919.42
815800	815800	9,919.77	13,887.33	23,807.10	0.000734%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	11,791.53	16,507.77	28,299.30
815900	815900	5,949.81	8,329.70	14,279.51	0.000441%			0.000000%			0.000000%		5,949.81	8,329.70	14,279.51
816100	816100	19,466.59	27,252.90	46,719.49	0.001441%			0.000000%			0.000000%		19,466.59	27,252.90	46,719.49
816200	816200	68,406.21	95,768.78	164,174.99	0.005065%			0.000000%			0.000000%		68,406.21	95,768.78	164,174.99
816300	816300	6,512.13	9,116.69	15,628.82	0.000482%			0.000000%			0.000000%		6,512.13	9,116.69	15,628.82
816400	816400	9,952.34	13,933.22	23,885.56	0.000737%			0.000000%			0.000000%		9,952.34	13,933.22	23,885.56

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
816500	816500	10,689.54	14,965.04	25,654.58	0.000791%			0.000000%			0.000000%		10,689.54	14,965.04	25,654.58
816600	816600	14,604.16	20,445.99	35,050.15	0.001081%			0.000000%			0.000000%		14,604.16	20,445.99	35,050.15
816700	816700	10,603.21	14,844.18	25,447.39	0.000785%			0.000000%			0.000000%		10,603.21	14,844.18	25,447.39
816800	816800	14,454.42	20,236.38	34,690.80	0.001070%			0.000000%			0.000000%		14,454.42	20,236.38	34,690.80
817000	817000	8,367.49	11,714.59	20,082.08	0.000620%			0.000000%	104.15	104.15	0.000182%	41.70	8,471.64	11,860.44	20,332.08
817100	817100	3,402.72	4,763.52	8,166.24	0.000252%			0.000000%	2,288.77	2,288.78	0.004004%	915.47	5,691.49	7,967.77	13,659.26
817200	817200	6,618.43	9,265.71	15,884.14	0.000490%			0.000000%			0.000000%		6,618.43	9,265.71	15,884.14
817300	817300	5,979.88	8,371.59	14,351.47	0.000443%	4,669.22	6,536.90	0.010917%			0.000000%		10,649.10	14,908.49	25,557.59
817400	817400	9,938.76	13,914.02	23,852.78	0.000736%			0.000000%			0.000000%		9,938.76	13,914.02	23,852.78
817500	817500	29,306.75	41,029.53	70,336.28	0.002170%			0.000000%	2,183.64	2,183.64	0.003820%	873.36	31,490.39	44,086.53	75,576.92
817600	817600	9,154.04	12,815.32	21,969.36	0.000678%			0.000000%			0.000000%		9,154.04	12,815.32	21,969.36
817700	817700	8,314.21	11,639.67	19,953.88	0.000616%			0.000000%			0.000000%		8,314.21	11,639.67	19,953.88
817800	817800	11,675.87	16,345.89	28,021.76	0.000864%			0.000000%			0.000000%		11,675.87	16,345.89	28,021.76
817900	817900	9,578.92	13,410.24	22,989.16	0.000709%			0.000000%			0.000000%		9,578.92	13,410.24	22,989.16
818000	818000	4,511.13	6,315.54	10,826.67	0.000334%			0.000000%	584.95	584.95	0.001023%	234.00	5,096.08	7,134.49	12,230.57
818100	818100	10,441.38	14,617.68	25,059.06	0.000773%			0.000000%			0.000000%		10,441.38	14,617.68	25,059.06
818200	818200	3,784.57	5,298.11	9,082.68	0.000280%	1,559.76	2,183.64	0.003647%			0.000000%		5,344.33	7,481.75	12,826.08
818300	818300	6,365.53	8,911.67	15,277.20	0.000471%	1,872.00	2,620.80	0.004377%			0.000000%		8,237.53	11,532.47	19,770.00
818500	818500	6,913.85	9,679.40	16,593.25	0.000512%	1,403.88	1,965.48	0.003283%			0.000000%		8,317.73	11,644.88	19,962.61
818600	818600	7,869.12	11,016.96	18,886.08	0.000583%	489.96	686.04	0.001146%			0.000000%		8,359.08	11,703.00	20,062.08
818700	818700	4,897.68	6,856.44	11,754.12	0.000363%			0.000000%			0.000000%		4,897.68	6,856.44	11,754.12
818800	818800	3,836.85	5,371.44	9,208.29	0.000284%	992.64	1,389.60	0.002321%	350.04	349.92	0.000612%	140.04	5,179.53	7,251.00	12,430.53
818900	818900	4,381.50	6,134.01	10,515.51	0.000324%	4,706.24	6,588.64	0.011004%			0.000000%		9,087.74	12,722.65	21,810.39
819000	819000	5,830.15	8,161.85	13,992.00	0.000432%			0.000000%			0.000000%		5,830.15	8,161.85	13,992.00
819100	819100	5,544.48	7,761.96	13,306.44	0.000410%			0.000000%			0.000000%		5,544.48	7,761.96	13,306.44
819200	819200	5,720.54	8,008.50	13,729.04	0.000424%			0.000000%	96.00	96.04	0.000168%	38.36	5,816.54	8,142.90	13,959.44
819300	819300	2,974.49	4,164.27	7,138.76	0.000220%	1,039.79	1,455.77	0.002431%	1,292.64	1,292.64	0.002261%	516.96	5,306.92	7,429.64	12,736.56
819400	819400	4,340.40	6,076.56	10,416.96	0.000321%			0.000000%			0.000000%		4,340.40	6,076.56	10,416.96
819500	819500	8,056.36	11,278.81	19,335.17	0.000596%			0.000000%			0.000000%		8,056.36	11,278.81	19,335.17
819600	819600	8,008.20	11,211.15	19,219.35	0.000593%			0.000000%			0.000000%		8,008.20	11,211.15	19,219.35
819700	819700	4,571.88	6,400.61	10,972.49	0.000338%			0.000000%	1,510.00	1,510.00	0.002642%	604.00	6,081.88	8,514.61	14,596.49
819800	819800	5,023.18	7,032.53	12,055.71	0.000372%			0.000000%	1,247.77	1,247.88	0.002183%	499.08	6,270.95	8,779.49	15,050.44
819900	819900	5,365.50	7,511.70	12,877.20	0.000397%			0.000000%			0.000000%		5,365.50	7,511.70	12,877.20
820000	820000	14,945.94	20,924.13	35,870.07	0.001107%			0.000000%			0.000000%		14,945.94	20,924.13	35,870.07
820100	820100	63,964.03	89,540.18	153,504.21	0.004735%			0.000000%	1,545.90	1,545.90	0.002704%	627.79	65,509.93	91,713.87	157,223.80
820200	820200	125,322.25	175,451.13	300,773.38	0.009278%	4,077.26	5,708.15	0.009533%	4,718.37	4,718.43	0.008254%	1,887.26	134,117.88	187,764.97	321,882.85
820200	820208	165,312.57	231,437.44	396,750.01	0.012239%	13,362.13	18,706.91	0.031242%			0.000000%		178,674.70	250,144.35	428,819.05
820200	984300	320,891.64	446,780.14	767,671.78	0.023682%			0.000000%			0.000000%		320,891.64	446,780.14	767,671.78
820200	984308	102,022.47	142,046.65	244,069.12	0.007529%			0.000000%			0.000000%		102,022.47	142,046.65	244,069.12
820300	820300	20,873.11	29,222.35	50,095.46	0.001545%			0.000000%	21.00	21.02	0.000037%	8.38	20,894.11	29,251.75	50,145.86
820300	820308	86,663.68	121,329.17	207,992.85	0.006416%	7,748.11	10,847.35	0.018116%			0.000000%		94,411.79	132,176.52	226,588.31
820300	984200	63,136.26	87,905.29	151,041.55	0.004659%			0.000000%			0.000000%		63,136.26	87,905.29	151,041.55
820400	820408	43,097.84	60,337.14	103,434.98	0.003191%			0.000000%			0.000000%		43,097.84	60,337.14	103,434.98
820400	981708	61,952.20	86,256.53	148,208.73	0.004572%			0.000000%			0.000000%		61,952.20	86,256.53	148,208.73
820500	820500	15,274.41	21,383.96	36,658.37	0.001131%	4,063.55	5,688.88	0.009501%	1,871.74	1,871.76	0.003274%	748.68	21,209.70	29,693.28	50,902.98
820600	820600	20,951.39	29,332.02	50,283.41	0.001551%			0.000000%	2,183.64	2,183.52	0.003820%	873.48	23,135.03	32,389.02	55,524.05
820600	988100	20,431.35	28,446.73	48,878.08	0.001508%			0.000000%			0.000000%		20,431.35	28,446.73	48,878.08
820700	820700	65,759.00	92,062.32	157,821.32	0.004869%	1,352.48	1,893.46	0.003162%	4,727.06	4,727.08	0.008269%	1,890.76	71,838.54	100,573.62	172,412.16
820800	820800	19,195.53	26,873.83	46,069.36	0.001421%			0.000000%			0.000000%		19,195.53	26,873.83	46,069.36
820900	820900	16,044.94	22,462.30	38,507.24	0.001188%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	17,179.18	24,050.14	41,229.32
821000	821000	106,026.89	148,437.23	254,464.12	0.007850%			0.000000%	3,637.15	3,637.18	0.006363%	1,454.79	109,664.04	153,529.20	263,193.24
821000	984800	185,802.96	258,694.80	444,497.76	0.013712%			0.000000%			0.000000%		185,802.96	258,694.80	444,497.76
821100	821100	23,455.31	32,837.50	56,292.81	0.001737%	1,247.76	1,746.96	0.002918%			0.000000%		24,703.07	34,584.46	59,287.53
821200	821200	12,067.02	16,893.87	28,960.89	0.000893%			0.000000%			0.000000%		12,067.02	16,893.87	28,960.89
821200	821208	166,454.74	233,036.16	399,490.90	0.012324%	6,758.20	9,461.46	0.015801%			0.000000%		173,212.94	242,497.62	415,710.56
821300	821300	14,686.18	20,560.37	35,246.55	0.001087%			0.000000%			0.000000%		14,686.18	20,560.37	35,246.55
821400	821400	12,010.00	16,813.75	28,823.75	0.000889%	1,895.08	2,653.11	0.004431%			0.000000%		13,905.08	19,466.86	33,371.94
821500	821500	17,452.52	24,433.84	41,886.36	0.001292%			0.000000%			0.000000%		17,452.52	24,433.84	41,886.36
821600	821600	15,667.61	21,991.62	37,659.23	0.001162%			0.000000%			0.000000%	(56.82)	15,667.61	21,934.80	37,602.41
821900	821900	183,659.93	257,123.28	440,783.21	0.013598%			0.000000%	7,659.67	7,659.47	0.013399%	3,063.88	191,319.60	267,846.63	459,166.23
821900	981900	194,046.43	270,172.36	464,218.79	0.014321%			0.000000%			0.000000%		194,046.43	270,172.36	464,218.79
822000	822000	12,473.42	17,463.10	29,936.52	0.000924%			0.000000%	2,365.61	2,365.61	0.004138%	946.15	14,839.03	20,774.86	35,613.89
822100	822100	44,830.26	62,762.10	107,592.36	0.003319%			0.000000%			0.000000%		44,830.26	62,762.10	107,592.36

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
822100	822108	84,450.71	118,179.03	202,629.74	0.006251%	9,422.88	13,192.06	0.022032%	4,591.56	4,591.56	0.008032%	1,888.69	98,465.15	137,851.34	236,316.49
822100	987600	90,348.70	125,793.26	216,141.96	0.006668%			0.000000%			0.000000%		90,348.70	125,793.26	216,141.96
822100	987608	137,950.57	192,096.29	330,046.86	0.010182%			0.000000%			0.000000%	(52.10)	137,950.57	192,044.19	329,994.76
822200	822200	41,718.29	58,405.73	100,124.02	0.003089%			0.000000%			0.000000%		41,718.29	58,405.73	100,124.02
822200	822208	15,464.27	21,649.97	37,114.24	0.001145%			0.000000%			0.000000%		15,464.27	21,649.97	37,114.24
823200	823200	33,920.05	47,487.96	81,408.01	0.002511%			0.000000%			0.000000%		33,920.05	47,487.96	81,408.01
823500	823508	29,717.59	41,604.59	71,322.18	0.002200%			0.000000%	1,247.77	1,247.88	0.002183%	499.08	30,965.36	43,351.55	74,316.91
823600	823600	38,235.45	53,529.17	91,764.62	0.002831%	3,905.89	5,468.23	0.009132%			0.000000%		42,141.34	58,997.40	101,138.74
823600	823608	5,684.04	7,957.69	13,641.73	0.000421%	1,674.41	2,344.16	0.003915%			0.000000%		7,358.45	10,301.85	17,660.30
823600	985000	75,785.71	105,517.05	181,302.76	0.005593%			0.000000%			0.000000%		75,785.71	105,517.05	181,302.76
823600	985008	22,730.48	31,647.83	54,378.31	0.001678%			0.000000%			0.000000%		22,730.48	31,647.83	54,378.31
823700	823700	98,592.38	138,029.04	236,621.42	0.007299%	2,557.32	3,580.20	0.005979%			0.000000%		101,149.70	141,609.24	242,758.94
823700	985100	106,505.87	148,231.34	254,737.21	0.007858%			0.000000%			0.000000%	58.05	106,505.87	148,289.39	254,795.26
824000	824000	48,525.21	67,934.88	116,460.09	0.003593%			0.000000%	16,483.05	16,482.83	0.028834%	6,593.25	65,008.26	91,010.96	156,019.22
824100	824100	37,063.88	51,889.64	88,953.52	0.002744%	1,462.27	2,047.13	0.003419%	1,793.41	1,793.44	0.003137%	717.43	40,319.56	56,447.64	96,767.20
824100	824108				0.000000%			0.000000%			0.000000%				
824100	959800	58,248.49	81,099.81	139,348.30	0.004299%			0.000000%			0.000000%		58,248.49	81,099.81	139,348.30
824100	959808				0.000000%			0.000000%			0.000000%				
824200	824200	8,701.02	12,181.32	20,882.34	0.000644%	936.00	1,310.40	0.002188%			0.000000%		9,637.02	13,491.72	23,128.74
824300	824300	18,744.84	26,242.91	44,987.75	0.001388%	1,247.76	1,746.96	0.002918%	82.78	82.77	0.000145%	33.11	20,075.38	28,105.75	48,181.13
824400	824408	12,163.13	17,028.50	29,191.63	0.000901%			0.000000%	415.53	415.53	0.000727%	166.21	12,578.66	17,610.24	30,188.90
824500	824500	15,785.56	22,099.74	37,885.30	0.001169%			0.000000%			0.000000%		15,785.56	22,099.74	37,885.30
824500	824508	14,592.18	20,429.09	35,021.27	0.001080%	4,372.62	6,121.67	0.010224%			0.000000%		18,964.80	26,550.76	45,515.56
824500	980960	58,957.70	82,087.33	141,045.03	0.004351%			0.000000%			0.000000%		58,957.70	82,087.33	141,045.03
824600	824600	13,441.92	18,818.76	32,260.68	0.000995%			0.000000%			0.000000%		13,441.92	18,818.76	32,260.68
824600	824608	32,603.65	45,645.14	78,248.79	0.002414%			0.000000%			0.000000%		32,603.65	45,645.14	78,248.79
824600	988608	48,661.21	67,751.31	116,412.52	0.003591%			0.000000%			0.000000%		48,661.21	67,751.31	116,412.52
824700	824700	6,234.48	8,728.13	14,962.61	0.000462%			0.000000%			0.000000%		6,234.48	8,728.13	14,962.61
824800	824800	17,613.22	24,658.17	42,271.39	0.001304%			0.000000%			0.000000%		17,613.22	24,658.17	42,271.39
824900	824900	4,504.47	6,279.95	10,784.42	0.000333%			0.000000%			0.000000%	26.33	4,504.47	6,306.28	10,810.75
825000	825000	4,914.93	6,880.92	11,795.85	0.000364%			0.000000%			0.000000%		4,914.93	6,880.92	11,795.85
825100	825100	12,873.74	18,023.42	30,897.16	0.000953%			0.000000%	2,183.64	2,183.52	0.003820%	873.48	15,057.38	21,080.42	36,137.80
825200	825200	130,716.36	183,001.35	313,717.71	0.009678%	1,982.78	2,775.92	0.004636%	2,130.18	2,130.08	0.003726%	851.88	134,829.32	188,759.23	323,588.55
825200	983200	160,475.16	223,430.90	383,906.06	0.011843%			0.000000%			0.000000%		160,475.16	223,430.90	383,906.06
825300	825300	27,550.22	38,569.70	66,119.92	0.002040%			0.000000%	1,247.70	1,247.81	0.002183%	499.06	28,797.92	40,316.57	69,114.49
825300	825308	10,757.39	15,061.05	25,818.44	0.000796%			0.000000%			0.000000%		10,757.39	15,061.05	25,818.44
825300	986400	60,977.17	84,899.01	145,876.18	0.004500%			0.000000%			0.000000%		60,977.17	84,899.01	145,876.18
825400	825400	31,643.02	44,299.91	75,942.93	0.002343%			0.000000%	3,144.08	3,144.12	0.005500%	1,257.61	34,787.10	48,701.64	83,488.74
825500	825500	16,326.90	22,857.64	39,184.54	0.001209%	4,225.44	5,915.56	0.009880%			0.000000%		20,552.34	28,773.20	49,325.54
825600	825600	48,963.66	68,548.80	117,512.46	0.003625%			0.000000%	8,105.11	8,105.08	0.014179%	3,242.04	57,068.77	79,895.92	136,964.69
825600	982000	156,711.08	218,190.32	374,901.40	0.011565%			0.000000%			0.000000%		156,711.08	218,190.32	374,901.40
825800	825800	9,378.20	13,129.37	22,507.57	0.000694%			0.000000%			0.000000%		9,378.20	13,129.37	22,507.57
825900	825900	13,836.46	19,370.77	33,207.23	0.001024%			0.000000%			0.000000%		13,836.46	19,370.77	33,207.23
826000	826000	15,765.62	22,071.48	37,837.10	0.001167%			0.000000%	50.00	50.00	0.000087%	20.00	15,815.62	22,141.48	37,957.10
826100	826100	12,174.99	17,044.71	29,219.70	0.000901%			0.000000%			0.000000%		12,174.99	17,044.71	29,219.70
826200	826200	7,431.25	10,403.29	17,834.54	0.000550%			0.000000%			0.000000%		7,431.25	10,403.29	17,834.54
826300	826300	21,618.20	30,265.74	51,883.94	0.001601%	3,700.80	5,181.12	0.008653%			0.000000%		25,319.00	35,446.86	60,765.86
826300	980750	15,516.79	21,604.07	37,120.86	0.001145%			0.000000%			0.000000%		15,516.79	21,604.07	37,120.86
826400	826400	47,210.18	66,094.60	113,304.78	0.003495%			0.000000%			0.000000%		47,210.18	66,094.60	113,304.78
826400	988300	46,859.19	65,242.42	112,101.61	0.003458%			0.000000%			0.000000%		46,859.19	65,242.42	112,101.61
826500	826500	11,970.55	16,758.97	28,729.52	0.000886%			0.000000%			0.000000%		11,970.55	16,758.97	28,729.52
826500	826508	35,634.97	49,888.94	85,523.91	0.002638%			0.000000%			0.000000%		35,634.97	49,888.94	85,523.91
826500	987308	79,310.35	110,424.31	189,734.66	0.005853%			0.000000%			0.000000%		79,310.35	110,424.31	189,734.66
826600	826600	7,230.48	10,122.96	17,353.44	0.000535%			0.000000%			0.000000%		7,230.48	10,122.96	17,353.44
826700	826700	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
826800	826800	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
826900	826900	6,738.50	9,434.14	16,172.64	0.000499%			0.000000%			0.000000%		6,738.50	9,434.14	16,172.64
826900	826908	18,076.70	25,307.41	43,384.11	0.001338%			0.000000%			0.000000%		18,076.70	25,307.41	43,384.11
827000	827000	9,537.95	13,353.37	22,891.32	0.000706%			0.000000%			0.000000%		9,537.95	13,353.37	22,891.32
827100	827100	10,301.78	14,313.10	24,614.88	0.000759%			0.000000%			0.000000%	109.71	10,301.78	14,422.81	24,724.59
827200	827200	15,478.22	21,669.19	37,147.41	0.001146%			0.000000%			0.000000%		15,478.22	21,669.19	37,147.41
827300	827300	5,551.92	7,772.62	13,324.54	0.000411%			0.000000%			0.000000%		5,551.92	7,772.62	13,324.54
827400	827400	4,921.55	6,890.34	11,811.89	0.000364%	2,183.64	3,057.00	0.005105%	2,311.54	2,311.65	0.004044%	924.59	9,416.73	13,183.58	22,600.31

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
827400	827408	11,416.57	15,983.22	27,399.79	0.000845%			0.000000%			0.000000%		11,416.57	15,983.22	27,399.79
827500	827500	10,564.60	14,790.08	25,354.68	0.000782%			0.000000%			0.000000%		10,564.60	14,790.08	25,354.68
827600	827600	7,836.39	10,970.98	18,807.37	0.000580%			0.000000%			0.000000%		7,836.39	10,970.98	18,807.37
827700	827700	6,403.97	8,965.44	15,369.41	0.000474%			0.000000%			0.000000%		6,403.97	8,965.44	15,369.41
827800	827800	4,902.68	6,863.73	11,766.41	0.000363%			0.000000%			0.000000%		4,902.68	6,863.73	11,766.41
827900	827900	7,385.44	10,339.43	17,724.87	0.000547%			0.000000%			0.000000%		7,385.44	10,339.43	17,724.87
828000	828000	9,032.05	12,644.67	21,676.72	0.000669%			0.000000%	635.50	635.55	0.001112%	254.15	9,667.55	13,534.37	23,201.92
828100	828100	11,775.38	16,452.24	28,227.62	0.000871%			0.000000%			0.000000%	32.95	11,775.38	16,485.19	28,260.57
828200	828200	7,634.14	10,687.80	18,321.94	0.000565%			0.000000%			0.000000%		7,634.14	10,687.80	18,321.94
828300	828300	8,895.65	12,453.60	21,349.25	0.000659%			0.000000%			0.000000%		8,895.65	12,453.60	21,349.25
828400	828400	9,642.76	13,499.47	23,142.23	0.000714%			0.000000%			0.000000%		9,642.76	13,499.47	23,142.23
828500	828500	6,386.63	8,941.35	15,327.98	0.000473%			0.000000%			0.000000%		6,386.63	8,941.35	15,327.98
828600	828600	5,274.84	7,383.99	12,658.83	0.000391%			0.000000%			0.000000%		5,274.84	7,383.99	12,658.83
828700	828700	8,124.40	11,373.90	19,498.30	0.000601%			0.000000%			0.000000%		8,124.40	11,373.90	19,498.30
828800	828800	13,948.40	19,527.35	33,475.75	0.001033%			0.000000%			0.000000%		13,948.40	19,527.35	33,475.75
828800	828808	5,972.06	8,361.41	14,333.47	0.000442%			0.000000%			0.000000%		5,972.06	8,361.41	14,333.47
828900	828900	6,562.62	9,187.58	15,750.20	0.000486%			0.000000%			0.000000%		6,562.62	9,187.58	15,750.20
829000	829000	6,510.48	9,114.43	15,624.91	0.000482%			0.000000%			0.000000%		6,510.48	9,114.43	15,624.91
829100	829100	4,233.40	5,926.90	10,160.30	0.000313%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	6,105.16	8,547.34	14,652.50
829200	829200	3,544.80	4,962.84	8,507.64	0.000262%			0.000000%	992.52	992.64	0.001736%	396.96	4,537.32	6,352.44	10,889.76
829300	829308	30,350.39	42,490.66	72,841.05	0.002247%			0.000000%			0.000000%		30,350.39	42,490.66	72,841.05
829400	829400	4,537.68	6,352.44	10,890.12	0.000336%			0.000000%			0.000000%		4,537.68	6,352.44	10,890.12
829500	829500	14,613.38	20,458.85	35,072.23	0.001082%			0.000000%			0.000000%		14,613.38	20,458.85	35,072.23
829600	829600	7,268.52	10,176.13	17,444.65	0.000538%			0.000000%			0.000000%		7,268.52	10,176.13	17,444.65
829700	829700	8,184.08	11,457.42	19,641.50	0.000606%			0.000000%	510.00	510.10	0.000892%	203.90	8,694.08	12,171.42	20,865.50
829800	829800	9,449.96	13,230.32	22,680.28	0.000700%			0.000000%	2,183.64	2,183.52	0.003820%	873.48	11,633.60	16,287.32	27,920.92
829900	829900	6,276.07	8,786.28	15,062.35	0.000465%	240.00	336.00	0.000561%	2,001.67	2,001.56	0.003501%	800.69	8,517.74	11,924.53	20,442.27
830000	830000	5,401.45	7,561.76	12,963.21	0.000400%			0.000000%			0.000000%		5,401.45	7,561.76	12,963.21
830100	830100	4,845.32	6,781.32	11,626.64	0.000359%	3,902.48	5,463.45	0.009124%			0.000000%	2.49	8,747.80	12,247.26	20,995.06
830200	830200	7,962.32	11,146.91	19,109.23	0.000589%			0.000000%			0.000000%		7,962.32	11,146.91	19,109.23
830300	830300	8,281.56	11,593.85	19,875.41	0.000613%	99.80	139.72	0.000233%			0.000000%		8,381.36	11,733.57	20,114.93
830400	830400	4,784.88	6,698.53	11,483.41	0.000354%			0.000000%			0.000000%		4,784.88	6,698.53	11,483.41
830500	830500	5,442.62	7,619.33	13,061.95	0.000403%			0.000000%			0.000000%		5,442.62	7,619.33	13,061.95
830600	830600	9,025.67	12,635.70	21,661.37	0.000668%			0.000000%	800.04	799.93	0.001399%	320.04	9,825.71	13,755.67	23,581.38
830700	830700	9,570.20	13,397.95	22,968.15	0.000709%			0.000000%	540.00	540.00	0.000945%	216.00	10,110.20	14,153.95	24,264.15
830800	830800	28,581.25	40,170.30	68,751.55	0.002121%	3,766.45	5,266.63	0.008796%	1,361.16	1,361.16	0.002381%	394.56	33,708.86	47,192.65	80,901.51
830900	830900	9,829.27	13,760.69	23,589.96	0.000728%			0.000000%			0.000000%		9,829.27	13,760.69	23,589.96
831000	831000	8,711.96	12,196.43	20,908.39	0.000645%			0.000000%			0.000000%		8,711.96	12,196.43	20,908.39
831100	831100	5,274.48	7,383.96	12,658.44	0.000390%			0.000000%			0.000000%		5,274.48	7,383.96	12,658.44
831200	831200	7,184.51	10,058.28	17,242.79	0.000532%			0.000000%			0.000000%		7,184.51	10,058.28	17,242.79
831300	831300	5,316.35	7,442.65	12,759.00	0.000394%			0.000000%			0.000000%		5,316.35	7,442.65	12,759.00
831400	831400	6,517.21	9,124.21	15,641.42	0.000483%			0.000000%			0.000000%		6,517.21	9,124.21	15,641.42
831500	831500	5,743.54	7,998.50	13,742.04	0.000424%			0.000000%			0.000000%	42.45	5,743.54	8,040.95	13,784.49
831600	831600	4,177.92	5,849.05	10,026.97	0.000309%			0.000000%			0.000000%		4,177.92	5,849.05	10,026.97
831700	831700	7,307.88	10,231.01	17,538.89	0.000541%			0.000000%			0.000000%		7,307.88	10,231.01	17,538.89
831800	831800	4,617.88	6,465.02	11,082.90	0.000342%			0.000000%			0.000000%		4,617.88	6,465.02	11,082.90
831900	831900	4,217.64	5,904.71	10,122.35	0.000312%			0.000000%			0.000000%		4,217.64	5,904.71	10,122.35
832000	832000	5,627.62	7,878.62	13,506.24	0.000417%			0.000000%			0.000000%		5,627.62	7,878.62	13,506.24
832100	832100	6,921.79	9,690.48	16,612.27	0.000512%			0.000000%			0.000000%		6,921.79	9,690.48	16,612.27
832200	832200	3,275.88	4,586.20	7,862.08	0.000243%	936.00	1,310.40	0.002188%			0.000000%		4,211.88	5,896.60	10,108.48
832300	832300	5,960.38	8,344.51	14,304.89	0.000441%			0.000000%			0.000000%		5,960.38	8,344.51	14,304.89
832400	832400	1,859.70	2,603.59	4,463.29	0.000138%			0.000000%			0.000000%		1,859.70	2,603.59	4,463.29
832500	832500	8,264.67	11,570.25	19,834.92	0.000612%			0.000000%	1,871.76	1,871.76	0.003274%	748.68	10,136.43	14,190.69	24,327.12
832600	832600	105,009.55	147,013.08	252,022.63	0.007775%			0.000000%	13,368.53	13,368.59	0.023386%	5,347.26	118,378.08	165,728.93	284,107.01
832600	982300	149,928.78	208,746.98	358,675.76	0.011065%			0.000000%			0.000000%		149,928.78	208,746.98	358,675.76
832700	832700	164,951.21	230,931.40	395,882.61	0.012212%	14,362.64	20,107.76	0.033582%	11,456.01	11,455.96	0.020041%	4,582.38	190,769.86	267,077.50	457,847.36
832800	832800	46,362.53	64,897.83	111,260.36	0.003432%			0.000000%			0.000000%	9.90	46,362.53	64,907.73	111,270.26
832900	832900	74,713.58	104,598.90	179,312.48	0.005532%			0.000000%	3,294.60	3,294.60	0.005763%	1,317.84	78,008.18	109,211.34	187,219.52
832900	980650	162,405.29	226,117.89	388,523.18	0.011985%			0.000000%			0.000000%		162,405.29	226,117.89	388,523.18
833000	833000	20,745.63	29,044.03	49,789.66	0.001536%			0.000000%			0.000000%		20,745.63	29,044.03	49,789.66
833100	833100	6,169.38	8,636.99	14,806.37	0.000457%			0.000000%			0.000000%		6,169.38	8,636.99	14,806.37
833200	833200	9,749.71	13,649.56	23,399.27	0.000722%	3,834.82	5,368.73	0.008966%	184.88	184.88	0.000323%	73.97	13,769.41	19,277.14	33,046.55
833200	833208	1,724.18	2,414.06	4,138.24	0.000128%	676.74	947.42	0.001582%	32.62	32.62	0.000057%	13.04	2,433.54	3,407.14	5,840.68

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
833300	833300	126,703.31	177,384.11	304,087.42	0.009381%	4,105.48	5,747.64	0.009599%	3,706.56	3,706.56	0.006484%	1,482.64	134,515.35	188,320.95	322,836.30
833400	833400	16,058.34	22,481.96	38,540.30	0.001189%			0.000000%	2,673.12	2,673.11	0.004676%	1,069.27	18,731.46	26,224.34	44,955.80
833500	833500	10,343.26	14,480.35	24,823.61	0.000766%			0.000000%			0.000000%		10,343.26	14,480.35	24,823.61
833600	833600	27,082.15	37,826.94	64,909.09	0.002002%	1,763.76	2,469.35	0.004124%	1,763.76	1,763.87	0.003086%	793.44	30,609.67	42,853.60	73,463.27
833600	833608	16,045.30	22,405.41	38,450.71	0.001186%			0.000000%			0.000000%	57.91	16,045.30	22,463.32	38,508.62
833700	833700	10,394.59	14,478.58	24,873.17	0.000767%			0.000000%	962.23	962.23	0.001683%	458.59	11,356.82	15,899.40	27,256.22
833800	833800	6,746.74	9,445.42	16,192.16	0.000500%			0.000000%			0.000000%		6,746.74	9,445.42	16,192.16
833900	833900	12,582.96	17,615.86	30,198.82	0.000932%			0.000000%			0.000000%		12,582.96	17,615.86	30,198.82
834000	834000	11,812.36	16,537.49	28,349.85	0.000875%	1,247.77	1,746.96	0.002918%	2,183.63	2,183.63	0.003820%	873.37	15,243.76	21,341.45	36,585.21
834100	834100	7,050.49	9,870.33	16,920.82	0.000522%			0.000000%	3,037.32	3,037.40	0.005313%	1,214.90	10,087.81	14,122.63	24,210.44
834200	834200	11,120.74	15,568.71	26,689.45	0.000823%			0.000000%			0.000000%		11,120.74	15,568.71	26,689.45
834300	834300	2,339.88	3,275.81	5,615.69	0.000173%	936.00	1,310.40	0.002188%			0.000000%		3,275.88	4,586.21	7,862.09
834400	834400	9,019.11	12,609.92	21,629.03	0.000667%			0.000000%			0.000000%	16.52	9,019.11	12,626.44	21,645.55
834500	834500	9,807.52	13,718.05	23,525.57	0.000726%			0.000000%			0.000000%	12.19	9,807.52	13,730.24	23,537.76
834600	834600	7,812.69	10,937.74	18,750.43	0.000578%			0.000000%			0.000000%		7,812.69	10,937.74	18,750.43
834700	834700	7,934.14	11,107.77	19,041.91	0.000587%			0.000000%			0.000000%		7,934.14	11,107.77	19,041.91
834800	834800	7,932.05	10,908.43	18,840.48	0.000581%			0.000000%			0.000000%	196.40	7,932.05	11,104.83	19,036.88
834900	834908	6,167.34	8,633.95	14,801.29	0.000457%			0.000000%			0.000000%		6,167.34	8,633.95	14,801.29
835000	835000	13,146.87	18,405.55	31,552.42	0.000973%			0.000000%	1,847.80	1,847.85	0.003233%	739.06	14,994.67	20,992.46	35,987.13
835100	835100	11,500.45	16,100.60	27,601.05	0.000851%			0.000000%	2,495.52	2,495.76	0.004366%	998.16	13,995.97	19,594.52	33,590.49
835200	835200	8,158.47	11,421.85	19,580.32	0.000604%			0.000000%			0.000000%		8,158.47	11,421.85	19,580.32
835300	835300	5,513.34	7,684.89	13,198.23	0.000407%			0.000000%			0.000000%	33.24	5,513.34	7,718.13	13,231.47
835400	835400	9,212.24	12,908.81	22,121.05	0.000682%			0.000000%			0.000000%	(11.98)	9,212.24	12,896.83	22,109.07
835500	835500	17,906.70	25,069.63	42,976.33	0.001326%			0.000000%	3,282.80	3,282.80	0.005743%	1,313.12	21,189.50	29,665.55	50,855.05
835600	835600	15,681.83	21,954.74	37,636.57	0.001161%			0.000000%			0.000000%		15,681.83	21,954.74	37,636.57
835700	835700	7,646.49	10,704.87	18,351.36	0.000566%	1,134.24	1,587.84	0.002652%			0.000000%		8,780.73	12,292.71	21,073.44
835800	835800	5,221.86	7,310.59	12,532.45	0.000387%			0.000000%	3,017.73	3,017.74	0.005279%	1,207.09	8,239.59	11,535.42	19,775.01
835900	835900	8,675.34	12,145.37	20,820.71	0.000642%			0.000000%	723.72	723.70	0.001266%	289.53	9,399.06	13,158.60	22,557.66
836000	836000	22,859.27	32,002.78	54,862.05	0.001692%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	23,993.51	33,590.62	57,584.13
836100	836100	10,294.46	14,341.88	24,636.34	0.000760%			0.000000%			0.000000%	70.06	10,294.46	14,411.94	24,706.40
836200	836200	17,690.84	24,767.17	42,458.01	0.001310%			0.000000%	1,361.16	1,361.16	0.002381%	544.56	19,052.00	26,672.89	45,724.89
836200	836208	4,447.33	6,226.24	10,673.57	0.000329%			0.000000%			0.000000%		4,447.33	6,226.24	10,673.57
836300	836300	9,409.79	13,173.65	22,583.44	0.000697%	1,134.20	1,587.88	0.002652%			0.000000%		10,543.99	14,761.53	25,305.52
836400	836400	12,158.80	17,022.23	29,181.03	0.000900%			0.000000%	980.82	980.85	0.001716%	392.25	13,139.62	18,395.33	31,534.95
836500	836500	14,233.45	19,926.93	34,160.38	0.001054%			0.000000%			0.000000%		14,233.45	19,926.93	34,160.38
836600	836600	13,505.79	18,907.82	32,413.61	0.001000%			0.000000%			0.000000%		13,505.79	18,907.82	32,413.61
836700	836700	10,407.67	14,570.44	24,978.11	0.000771%			0.000000%			0.000000%		10,407.67	14,570.44	24,978.11
836800	836800	13,166.99	18,433.46	31,600.45	0.000975%			0.000000%	1,134.24	1,134.24	0.001984%	453.60	14,301.23	20,021.30	34,322.53
836900	836900	9,748.04	13,646.95	23,394.99	0.000722%			0.000000%			0.000000%		9,748.04	13,646.95	23,394.99
837000	837000	13,182.16	18,454.71	31,636.87	0.000976%			0.000000%			0.000000%		13,182.16	18,454.71	31,636.87
837100	837100	7,903.54	11,064.75	18,968.29	0.000585%	3,765.81	5,272.04	0.008805%			0.000000%		11,669.35	16,336.79	28,006.14
837200	837200	12,736.70	17,845.46	30,582.16	0.000943%			0.000000%	975.43	975.43	0.001706%	375.98	13,712.13	19,196.87	32,909.00
837300	837300	12,087.59	16,922.71	29,010.30	0.000895%			0.000000%	1,350.78	1,350.86	0.002363%	540.27	13,438.37	18,813.84	32,252.21
837400	837400	15,368.60	21,516.12	36,884.72	0.001138%			0.000000%			0.000000%		15,368.60	21,516.12	36,884.72
837500	837500	8,974.47	12,564.18	21,538.65	0.000664%			0.000000%	61.08	61.09	0.000107%	24.41	9,035.55	12,649.68	21,685.23
837600	837600	5,036.11	7,050.26	12,086.37	0.000373%	1,485.36	2,079.60	0.003473%			0.000000%		6,521.47	9,129.86	15,651.33
837700	837700	6,884.15	9,637.60	16,521.75	0.000510%	3,936.22	5,510.55	0.009203%			0.000000%		10,820.37	15,148.15	25,968.52
837800	837800	5,823.34	8,152.65	13,975.99	0.000431%			0.000000%	2,120.90	2,120.90	0.003710%	848.34	7,944.24	11,121.89	19,066.13
837900	837900	11,696.95	16,375.14	28,072.09	0.000866%			0.000000%			0.000000%		11,696.95	16,375.14	28,072.09
838000	838000	5,713.88	7,999.38	13,713.26	0.000423%			0.000000%			0.000000%		5,713.88	7,999.38	13,713.26
838100	838100	5,873.88	8,223.43	14,097.31	0.000435%			0.000000%			0.000000%		5,873.88	8,223.43	14,097.31
838200	838200	7,990.26	11,186.32	19,176.58	0.000592%			0.000000%			0.000000%		7,990.26	11,186.32	19,176.58
838300	838308	9,957.28	13,939.93	23,897.21	0.000737%			0.000000%			0.000000%		9,957.28	13,939.93	23,897.21
838400	838400	9,678.48	13,549.63	23,228.11	0.000717%			0.000000%			0.000000%		9,678.48	13,549.63	23,228.11
838500	838508	9,445.46	13,223.37	22,668.83	0.000699%			0.000000%			0.000000%		9,445.46	13,223.37	22,668.83
838600	838600	5,449.23	7,628.66	13,077.89	0.000403%			0.000000%	4,690.35	4,690.39	0.008205%	1,876.02	10,139.58	14,195.07	24,334.65
838700	838700	13,253.64	18,555.39	31,809.03	0.000981%			0.000000%	554.25	554.27	0.000970%	221.68	13,807.89	19,331.34	33,139.23
838800	838800	10,611.93	14,856.39	25,468.32	0.000786%			0.000000%			0.000000%		10,611.93	14,856.39	25,468.32
838900	838900	10,727.43	15,018.16	25,745.59	0.000794%			0.000000%			0.000000%		10,727.43	15,018.16	25,745.59
839000	839000	8,447.94	11,826.91	20,274.85	0.000625%			0.000000%			0.000000%		8,447.94	11,826.91	20,274.85
839100	839108	7,352.00	10,293.04	17,645.04	0.000544%	1,247.76	1,746.96	0.002918%	2,183.64	2,183.64	0.003820%	873.36	10,783.40	15,097.00	25,880.40
839200	839200	6,988.55	9,783.68	16,772.23	0.000517%			0.000000%	1,559.76	1,559.76	0.002729%	623.88	8,548.31	11,967.32	20,515.63
839300	839300	53,656.53	75,118.95	128,775.48	0.003973%	3,675.85	5,146.15	0.008595%	1,951.43	1,951.43	0.003414%	780.55	59,283.81	82,997.08	142,280.89

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM
SCHEDULE OF EMPLOYER ALLOCATIONS - DEFINED BENEFIT - PENSION
FOR THE YEAR ENDED DECEMBER 31, 2018

		Traditional Pension Plan				Combined Plan			Member-Directed Plan			Health Care	All Plans (Unaudited)		
Primary Employer Code	Child Employer Code	Member Contributions	Employer Contributions to Pension	Total Pension Contributions	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Member Contributions	Employer Contributions to Pension	Proportionate Share % of Pension Total	Total Employer Contributions to Health Care	Total Member Contributions	Total Employer Contributions	Total Contributions
839300	984000	103,474.29	144,152.31	247,626.60	0.007639%			0.000000%			0.000000%	(84.38)	103,474.29	144,067.93	247,542.22
839400	839400	10,242.44	14,339.12	24,581.56	0.000758%			0.000000%			0.000000%		10,242.44	14,339.12	24,581.56
839500	839500	61,540.59	86,157.13	147,697.72	0.004556%			0.000000%	847.50	847.53	0.001483%	338.97	62,388.09	87,343.63	149,731.72
839600	839600	9,770.66	13,678.53	23,449.19	0.000723%			0.000000%			0.000000%		9,770.66	13,678.53	23,449.19
839700	839700	12,339.68	17,275.64	29,615.32	0.000914%			0.000000%			0.000000%		12,339.68	17,275.64	29,615.32
839800	839800	11,126.30	15,576.53	26,702.83	0.000824%			0.000000%			0.000000%		11,126.30	15,576.53	26,702.83
839900	839908	101,880.12	142,631.86	244,511.98	0.007543%	12,225.22	17,115.41	0.028584%	10,618.99	10,618.97	0.018576%	4,247.61	124,724.33	174,613.85	299,338.18
839900	982808	243,710.51	339,319.95	583,030.46	0.017986%			0.000000%			0.000000%		243,710.51	339,319.95	583,030.46
840000	840000	7,567.74	10,594.63	18,162.37	0.000560%			0.000000%			0.000000%		7,567.74	10,594.63	18,162.37
840100	840100	9,771.93	13,680.35	23,452.28	0.000723%			0.000000%			0.000000%		9,771.93	13,680.35	23,452.28
840400	840400	45,380.25	63,532.43	108,912.68	0.003360%			0.000000%			0.000000%		45,380.25	63,532.43	108,912.68
840500	840500	11,829.25	16,560.63	28,389.88	0.000876%			0.000000%			0.000000%		11,829.25	16,560.63	28,389.88
840600	840600	6,199.47	8,678.97	14,878.44	0.000459%			0.000000%			0.000000%		6,199.47	8,678.97	14,878.44
840700	840700	5,793.00	8,109.95	13,902.95	0.000429%			0.000000%			0.000000%		5,793.00	8,109.95	13,902.95
840800	840800	4,605.00	6,447.01	11,052.01	0.000341%			0.000000%			0.000000%		4,605.00	6,447.01	11,052.01
840900	840900	10,325.58	14,455.73	24,781.31	0.000764%			0.000000%	992.64	992.64	0.001736%	396.96	11,318.22	15,845.33	27,163.55
841000	841000	7,003.28	9,804.28	16,807.56	0.000518%			0.000000%			0.000000%		7,003.28	9,804.28	16,807.56
841100	841100	4,385.48	6,139.62	10,525.10	0.000325%			0.000000%			0.000000%		4,385.48	6,139.62	10,525.10
841200	841200	4,115.80	5,762.12	9,877.92	0.000305%			0.000000%			0.000000%		4,115.80	5,762.12	9,877.92
841300	841300	5,219.83	7,307.46	12,527.29	0.000386%			0.000000%			0.000000%		5,219.83	7,307.46	12,527.29
841400	841400	4,504.38	6,306.13	10,810.51	0.000333%			0.000000%			0.000000%		4,504.38	6,306.13	10,810.51
841500	841500	6,368.09	8,915.00	15,283.09	0.000471%			0.000000%			0.000000%		6,368.09	8,915.00	15,283.09
841600	841600	3,373.15	4,722.41	8,095.56	0.000250%			0.000000%			0.000000%		3,373.15	4,722.41	8,095.56
841700	841700	4,610.58	6,415.39	11,025.97	0.000340%			0.000000%			0.000000%	39.48	4,610.58	6,454.87	11,065.45
841800	841800	6,199.38	8,679.11	14,878.49	0.000459%			0.000000%			0.000000%		6,199.38	8,679.11	14,878.49
841900	841900	4,211.88	5,896.61	10,108.49	0.000312%			0.000000%			0.000000%		4,211.88	5,896.61	10,108.49
842000	842000	6,113.28	8,558.32	14,671.60	0.000453%			0.000000%			0.000000%		6,113.28	8,558.32	14,671.60
862900	862908	12,035.43	16,849.60	28,885.03	0.000891%			0.000000%			0.000000%		12,035.43	16,849.60	28,885.03
869700	869700	90,556.89	126,769.47	217,326.36	0.006704%	3,367.68	4,714.75	0.007874%	951.42	951.44	0.001664%	390.45	94,875.99	132,826.11	227,702.10
869700	869708	14,322.88	20,052.03	34,374.91	0.001060%			0.000000%			0.000000%		14,322.88	20,052.03	34,374.91
876700	876708	121,544.84	170,162.54	291,707.38	0.008999%	3,051.55	4,272.18	0.007135%	7,379.43	7,379.43	0.012909%	2,951.77	131,975.82	184,765.92	316,741.74
	Total	**1,350,897,413.00**	**1,890,727,378.64**	**3,241,624,791.64**	**100.0000000%**	**42,776,607.87**	**59,876,999.93**	**100.0000000%**	**57,164,298.75**	**57,163,994.83**	**100.0000000%**	**22,889,326.55**	**$1,450,838,319.62**	**2,030,657,699.95**	**$3,481,496,019.57**
690300	690308	3,337,884.57	4,735,458.03	8,073,342.60		277,555.29	372,275.41		1,317,869.61	1,318,196.65	2.3059911%	552,341.18	4,933,309.47	6,978,271.27	11,911,580.74
	Grand Total	**$1,354,235,297.57**	**$1,895,462,836.67**	**$3,249,698,134.24**		**$43,054,163.16**	**$60,249,275.34**		**$58,482,168.36**	**$58,482,191.48**	**102.305991%**	**$23,441,667.73**	**$1,455,771,629.09**	**$2,037,635,971.22**	**$3,493,407,600.31**

1. Description of OPERS

The following brief description of the Ohio Public Employees Retirement System (OPERS or System) is provided for general information purposes only. Users of these schedules should refer to the *OPERS 2018 Comprehensive Annual Financial Report* (CAFR) and Chapter 145 of the Ohio Revised Code (ORC) for more complete information.

a. Organization—OPERS is a cost-sharing, multiple-employer public employee retirement system comprised of three separate pension plans: the Traditional Pension Plan, a defined benefit plan; the Combined Plan, a combination defined benefit/defined contribution plan; and the Member-Directed Plan, a defined contribution plan. All state and local governmental employees in Ohio, except those covered by one of the other state or local retirement systems in Ohio, are members of OPERS. New public employees (those who establish membership in OPERS on or after January 1, 2003) have 180 days from the commencement of employment to select membership in one of the three pension plans. Contributions to OPERS are effective with the first day of the member's employment. Contributions made prior to the member's plan selection are maintained in the Traditional Pension Plan and later transferred to the plan elected by the member, as appropriate.

OPERS maintains one health care trust, the 115 Health Care Trust (115 Trust), which was established in 2014 to initially provide a funding mechanism for a health reimbursement arrangement (HRA), as the prior trust structure, the 401(h) Health Care Trust (401(h) Trust) and the Voluntary Employees' Beneficiary Association Trust (VEBA Trust), could not legally support the HRA. In March 2016, OPERS received two favorable rulings from the Internal Revenue Service (IRS) allowing OPERS to consolidate health care assets into the 115 Trust. The 401(h) Trust was a pre-funded trust that provided health care funding for eligible members of the Traditional Pension Plan and the Combined Plan through December 31, 2015, when plans funded through the 401(h) Trust were terminated. The VEBA Trust accumulated funding for retiree medical accounts (RMA) for participants in the Member-Directed Plan through June 30, 2016. The 401(h) Trust and the VEBA Trust were closed as of June 30, 2016 and the net positions transferred to the 115 Trust on July 1, 2016. Beginning 2016, the 115 Trust, established under Internal Revenue Code (IRC) Section 115, is the funding vehicle for all health care plans.

The OPERS health care plans are reported as other post-employment benefit plans (OPEB) based on the criteria established by the Governmental Accounting Standards Board (GASB). Periodically, OPERS modifies the health care program design to improve the ongoing solvency of the plans. Eligibility requirements for access to the OPERS health care options has changed over the history of the program for Traditional Pension Plan and Combined Plan members. Prior to January 1, 2015, 10 or more years of service were required to qualify for health care coverage. Beginning January 1, 2015, generally, members must be at least age 60 with 20 years of qualifying service credit to qualify for health care coverage or 30 years of qualifying service at any age. Beginning 2016, Traditional Pension Plan and Combined Plan retirees enrolled in Medicare A and B were eligible to participate in the OPERS Medicare Connector (Connector).
The Connector, a vendor selected by OPERS, assists eligible retirees in the selection and purchase of Medicare supplemental coverage through the Medicare market.

Retirees who purchase supplemental coverage through the Connector may receive a monthly allowance in their HRA that can be used to reimburse eligible health care expenses. Upon termination or retirement, Member-Directed Plan participants can use vested RMA funds for reimbursement of qualified medical expenses. Members who elect the Member-Directed Plan after July 1, 2015 will vest in the RMA over 15 years at a rate of 10% each year starting with the sixth year of participation. Members who elected the Member-Directed Plan prior to July 1, 2015, vest in the RMA over a five-year period at a rate of 20% per year. Health care coverage is neither guaranteed nor statutorily required.

OPERS is administered in accordance with Chapter 145 of the ORC. OPERS is not part of the state of Ohio financial-reporting entity, nor is OPERS a component unit of the state of Ohio. Responsibility for the organization is vested in the OPERS Board of Trustees (Board); there is no financial interdependency with the state of Ohio. The Board is the governing body of OPERS, with responsibility for administration and management. Of the Board, seven members are elected by the group they represent: the retirees (two representatives), employees of the state, employees of counties, employees of municipalities, non-teaching employees of state colleges and universities and miscellaneous employees. The remaining four members are appointed or designated by position. The Governor, General Assembly and the Treasurer of the state of Ohio each appoint a Board member. The Director of the Ohio Department of Administrative Services completes the Board.

The Board appoints the Executive Director, an actuary, investment consultants and other consultants necessary for the transaction of business. The Board typically meets monthly and receives no compensation but is reimbursed for necessary expenses.

All state and local governmental employees, except those covered by another state retirement system in Ohio or the Cincinnati Retirement System, are required to become contributing members of OPERS when they begin public employment unless they are exempted or excluded as defined by the ORC. For actuarial purposes, employees who have earned sufficient service credit (five years) are entitled to a future retirement benefit from OPERS. Employer, employee and retiree data as of December 31, 2018 can be found in the OPERS 2018 CAFR.

b. **Pension Benefits**—All benefits of the System, and any benefit increases, are established by the legislature pursuant to ORC Chapter 145. The Board, pursuant to ORC Chapter 145, has elected to maintain funds to provide health care coverage to eligible Traditional Pension Plan and Combined Plan retirees and survivors of members. Health care coverage does not vest and is not required under ORC Chapter 145. As a result, coverage may be reduced or eliminated at the discretion of the Board. Additional information on OPERS health care coverage can be found in the OPERS 2018 CAFR.

- ***Age-and-Service Defined Benefits***—Effective January 7, 2013, Senate Bill (SB) 343 modified components of the Traditional Pension Plan and Combined Plan. Members were impacted (to varying degrees) by the changes based on their transition group. Three transition groups (A, B and C) were designed to ease the transition for key components of the pension plan changes. Members who were eligible to retire under law in effect prior to SB 343, or will be eligible to retire no later

than five years after January 7, 2013, comprise transition Group A. Members who have at least 20 years of service credit prior to January 7, 2013, or will be eligible to retire no later than 10 years after January 7, 2013, are included in transition Group B. Group C included those members who are not in either of the other groups and members who were hired on or after January 7, 2013. Please see the Plan Statement in the OPERS 2018 CAFR for additional details.

Benefits in the Traditional Pension Plan for State and Local members are calculated on the basis of age, final average salary (FAS), and service credit. State and Local members in transition Groups A and B are eligible for retirement benefits at age 60 with five years of service credit or at age 55 with 25 or more years of service credit. Group C for State and Local is eligible for retirement benefits at age 57 with 25 years of service or at age 62 with five years of service. For Groups A and B, the annual benefit is based on 2.2% of FAS multiplied by the actual years of service for the first 30 years of service credit and 2.5% for years of service in excess of 30 years. For Group C, the annual benefit applies a factor of 2.2% for the first 35 years and a factor of 2.5% for the years of service in excess of 35. FAS represents the average of the three highest years of earnings over a member's career for Groups A and B. Group C is based on the average of the five highest years of earnings over a member's career. Refer to the age-and-service tables located in the OPERS 2018 CAFR Plan Statement for additional information regarding the requirements for reduced and unreduced benefits. Members who retire before meeting the age and years of service credit requirement for unreduced benefits receive a percentage reduction in the benefit amount. The base amount of a member's pension benefit is locked in upon receipt of the initial benefit payment for calculation of the annual cost-of-living adjustment.

Effective January 1, 2001, House Bill (HB) 416 divided the OPERS Law Enforcement Program into two separate divisions: Law Enforcement and Public Safety. Both groups of members, as defined in ORC Chapter 145, and updated in HB 520, are eligible for special retirement options under the Traditional Pension Plan and are not eligible to participate in the Member-Directed Plan or Combined Plan. Public Safety members may file an application for full retirement benefits at age 48 or older with 25 or more years of credited service or 52 or older with 15 or more years of credited service for Groups A and B. Public Safety Group C is eligible for benefits at age 52 or older with 25 years or at age 56 or older with 15 years. Those members classified as Law Enforcement officers are eligible for full retirement at age 52 or older with 15 or more years of credited service for Group A. Law Enforcement Group B is eligible at age 48 or older with 25 years or at age 52 or older with 15 years of service. Law Enforcement Group C is eligible at age 48 or older with 25 years or at age 56 with 15 years of service. Annual benefits under both divisions are calculated by multiplying 2.5% of FAS by the actual years of service for the first 25 years of service credit, and 2.1% of FAS for each year of service over 25 years. These options also permit early retirement under qualifying circumstances as early as age 48 with a reduced benefit.

Prior to 2000, payments to OPERS benefit recipients were limited under Section 415(b) of the IRC. OPERS entered into a Qualified Excess Benefit Arrangement (QEBA) with the IRS to allow OPERS benefit recipients to receive their full statutory benefit even when the benefit exceeds IRC 415(b) limitations. Monthly QEBA

payments start when the total amount of benefits received by the recipients exceeds the IRC limit each year. The portion of the benefit in excess of the IRC 415(b) limit is paid out of the QEBA and taxed as employee payroll in accordance with IRS regulations.

Benefits in the Combined Plan consist of both an age-and-service formula benefit (defined benefit) and a defined contribution element. The defined benefit element is calculated on the basis of age, FAS, and years of service. Eligibility regarding age and years of service in the Combined Plan is the same as the Traditional Pension Plan. The benefit formula for the defined benefit component of the plan for State and Local members in transition Groups A and B applies a factor of 1.0% to the member's FAS for the first 30 years of service. A factor of 1.25% is applied to years of service in excess of 30. The benefit formula for transition Group C applies a factor of 1.0% to the member's FAS for the first 35 years of service and a factor of 1.25% is applied to years in excess of 35. Persons retiring before age 65 with less than 30 years of service credit receive a percentage reduction in benefit. The defined contribution portion of the benefit is based on accumulated member contributions plus or minus any investment gains or losses on those contributions.

- ***Defined Contribution Benefits***—Defined contribution plan benefits are established in the plan documents, which may be amended by the Board. Member-Directed Plan and Combined Plan members who have met the retirement eligibility requirements may apply for retirement benefits. The amount available for defined contribution benefits in the Combined Plan consists of the member's contributions plus or minus the investment gains or losses resulting from the member's investment selections. Combined Plan members wishing to receive benefits must meet the requirements for both the defined benefit and defined contribution plans. Member-Directed participants must have attained the age of 55, have money on deposit in the defined contribution plan and have terminated public service to apply for retirement benefits. The amount available for defined contribution benefits in the Member-Directed Plan consists of the members' contributions, vested employer contributions and investment gains or losses resulting from the members' investment selections. Employer contributions and associated investment earnings vest over a five-year period, at a rate of 20% each year. At retirement, members may select one of several distribution options for payment of the vested balance in their individual OPERS accounts. Options include the annuitization of their benefit (which includes joint and survivor options), partial lump-sum payments (subject to limitations), a rollover of the vested account balance to another financial institution, receipt of entire account balance, net of taxes withheld, or a combination of these options.

- ***Early Retirement Incentive Plan (ERIP)***—Employers under OPERS may establish an early retirement incentive plan by purchasing service credit for eligible employees. To be eligible, employees must be able to retire under existing plan provisions after the purchase of the additional credit. Electing employers must contribute all such additional costs as are actuarially determined to fund the benefit. Such a plan, if adopted by an employer, must be offered to a minimum of 5% of covered employees, and may provide for the purchase of up to five years of service credit, limited to a maximum of 20% of the member's total service credit. Members electing

to participate in the employer's plan must retire within 90 days of receiving notice of the purchased service or the service is withdrawn and refunded to the employer.

Employers offering an ERIP may choose to pay the full cost of the additional benefits at the time the plan is adopted, or elect an installment payment plan. The required contributions are recognized in full by OPERS in the year in which the payment plan becomes effective. In addition, interest is charged annually on the unpaid balance.

- ***Disability Benefits***—OPERS administers two disability plans for participants in either the Traditional Pension Plan or Combined Plan. Members in the plan as of July 29, 1992, could elect, by April 7, 1993, coverage under either the original plan or the revised plan. All members who entered the System after July 29, 1992 are automatically covered under the revised plan. Under the original plan, a member who becomes disabled before age 60 and has completed 60 contributing months is eligible for a disability benefit. Benefits are funded by the employee and employer contributions and terminate if the member is able to return to work. The revised plan differs in that a member who becomes disabled at any age with 60 contributing months will be eligible for disability benefits until a determined age. The benefit is funded by reserves accumulated from employer contributions. After the disability benefit ends, the member may apply for a service retirement benefit or a refund of contributions, which are not reduced by the amount of disability benefits received. Law Enforcement officers are immediately eligible for disability benefits if disabled by an on-duty illness or injury. Members participating in the Member-Directed Plan are not eligible for disability benefits.

- ***Survivor Benefits***—Dependents of deceased members who participated in either the Traditional Pension Plan or the Combined Plan may qualify for survivor benefits if the deceased employee had at least one and a half years of service credit with the plan, and at least one quarter year of credit within the two and one-half years prior to the date of death. ORC Chapter 145, updated by HB 520, specifies the dependents and the conditions under which they qualify for survivor benefits. Qualified survivors of Law Enforcement and Public Safety officers are eligible for survivor benefits immediately upon employment.

- ***Other Benefits***—Once a benefit recipient retiring under the Traditional Pension Plan has received benefits for 12 months, current law provides for an annual cost-of-living adjustment. This cost-of-living adjustment is calculated on the member's base retirement benefit at the date of retirement and is not compounded. Members retiring under the Combined Plan receive a cost-of-living adjustment on the defined benefit portion of their retirement benefit. For those who retired prior to January 7, 2013, current law provides for a 3% cost-of-living adjustment. For those retiring subsequent to January 7, 2013, beginning in calendar year 2019, current law provides that the adjustment will be based on the average percentage increase in the Consumer Price Index, capped at 3%. A death benefit of $500-$2,500, determined by the number of years of service credit of the retiree, is paid to the beneficiary of a deceased retiree or disability benefit recipient under the Traditional Pension Plan and Combined Plan. Death benefits are not available to beneficiaries of Member-Directed Plan participants.

- ***Money Purchase Annuity***—Age-and-service retirees who become re-employed in an OPERS-covered position must contribute the regular contribution rates, which are applied towards a money purchase annuity. The money purchase annuity calculation is based on the accumulated contributions of the retiree for the period of re-employment, and an amount of the employer contributions determined by the Board. Upon termination of service, members over the age of 65 can elect to receive a lump-sum payout or a monthly annuity. Members under age 65 may leave the funds on deposit with OPERS to receive an annuity benefit at age 65, or may elect to receive a refund of their employee contributions made during the period of re-employment, plus interest.

- ***Refunds***—Members who have terminated service in OPERS-covered employment may file an application for refund of their account. The ORC requires a two-month waiting period after service termination before the refund may be paid. The acceptance of a refund payment cancels the individual's rights and benefits in OPERS.

  Refunds processed for Traditional Pension Plan members include the member's accumulated contributions, interest, and any qualifying employer funds, as determined by the Board. A Combined Plan member's refund may consist of member contributions for the purchase of service plus interest, qualifying employer funds, as determined by the Board, and the value of their account in the defined contribution plan consisting of member contributions adjusted by the gains or losses incurred based on their investment selections. Refunds paid to participants in the Member-Directed Plan include member contributions and vested employer contributions adjusted by the gains or losses incurred based on their investment selections.

c. **Contributions**—The OPERS funding policy provides for periodic member and employer contributions to all three plans (Traditional Pension, Combined and Member-Directed) at rates established by the Board, subject to limits set in statute. The rates established for member and employer contributions were approved based upon the recommendations of the System's actuary. All contribution rates were within the limits authorized by the ORC.

   Member and employer contribution rates, as a percent of covered payroll, were the same for each covered group across all three plans for the year ended December 31, 2018. Within the Traditional Pension Plan and Combined Plan, member and employer contributions (employer contributions only for the Combined Plan) and an actuarially determined rate of return are adequate to accumulate sufficient assets to pay defined benefits when due. Member contributions within the Combined Plan are not used to fund the defined benefit retirement allowance. Employer contribution rates as a level percent of payroll dollars are determined using the entry age actuarial funding method. This formula determines the amount of contributions necessary to fund: (1) the current service cost, representing the estimated amount necessary to pay for defined benefits earned by the members during the current service year; and (2) the prior service cost for service earned prior to the current year and subsequent benefit increases. These contributions represent the amount necessary to fund accrued liabilities for retirement

allowances and survivor benefits over a period of time. The annual employer contributions reported for the Traditional Pension Plan for 2018 were $1,895,462,837. Employer contributions for the Combined Plan for 2018 were $60,249,275. Employers satisfied 100% of the contribution requirements.

The following table displays the member and employer contribution rates as a percent of covered payroll for each division for 2018. With the assistance of the System's actuary and Board approval, a portion of each employer contribution to OPERS may be set aside for the funding of post-employment health care coverage. The portion of Traditional Pension Plan and Combined Plan employer contributions allocated to health care was zero for 2018. The employer contribution as a percent of covered payroll deposited for Member-Directed Plan health care accounts for 2018 was 4.0%.

Board of Trustees - Approved Contribution Rates All Plans		
	2018 Employee Rate	**2018 Employer Rate**
State Division	10.0%	14.0%
Local Division	10.0	14.0
Law Enforcement Division	13.0	18.1
Public Safety Division	12.0	18.1

The member and employer contribution rates for the State and Local divisions are currently set at the maximums authorized by the ORC of 10% and 14%, respectively. The Public Safety and Law Enforcement employer rates are also set at the maximum authorized rate of 18.1%. The member rate for Public Safety is determined by the Board and has no maximum rate established by the ORC. The member rate for Law Enforcement is also determined by the Board but is limited by the ORC to not more than 2% greater than the Public Safety rate.

ORC Chapter 145 assigns authority to the Board to amend the funding policy. As of December 31, 2018, the Board adopted the contribution rates recommended by the actuary. The contribution rates were included in a funding policy adopted by the Board in October 2013, and are certified periodically by the Board as required by the ORC.

As of December 31, 2018, the date of the last pension actuarial study, the funding period for all defined benefits of the System was 27 years.

d. **Participating Employers**—The System serves almost 3,700 employer units and over 3,200 participating employers. The number of employer units exceeds the number of participating employers as some employers report multiple divisions or agencies. The number of participating employers is more in-line with GASB Statement No. 67 (GASB 67), *Financial Reporting for Pension Plans—an amendment of GASB Statement No. 25*, presentation of a primary government and its component units as one employer. Employer child codes (as referenced in the Schedule of Employer Allocations) are assigned to each unit to distinguish member and employer contributions into four divisions: State, Local, Public Safety or Law Enforcement.

The plans selected by members are unknown to employers and are maintained solely by OPERS. The plan level information is essential to employers implementing GASB Statement No. 68 (GASB 68), *Accounting and Financial Reporting for Pensions—an amendment of GASB Statement No. 27,* Statement No. 71 (GASB 71), *Pension Transition for Contributions Made Subsequent to the Measurement Date—an amendment of GASB Statement No. 68,* and any subsequent statements amending these requirements, as only defined benefit plans are subject to the new financial reporting requirements. Defined contribution and OPEB plans do not fall under the requirements of GASB 68 applicable to the reporting and disclosure regarding defined benefit net pension liabilities and associated activity. GASB 68 defines additional disclosure requirements for defined contribution plans.

2. Summary of Significant Accounting Policies

a. Basis of Accounting—The Schedules of Collective Pension Amounts and Employer Allocations are presented in accordance with the standards issued by the GASB, which is the nationally accepted standard setting body for establishing accounting principles generally accepted in the United States (also referred to as GAAP) for governmental entities. As prescribed by GASB, these schedules are reported using the economic resources measurement focus and the accrual basis of accounting.

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of OPERS and additions to/deductions from OPERS fiduciary net position have been determined on the same basis as they are reported by OPERS. For this purpose, deductions are recorded when the liability is incurred and revenues are recognized when earned. Pension benefit payments are due the first day of the month following the retirement of a member, and the first of each month thereafter. Refunds, for any member who makes a written application to withdraw his/her contributions, are payable two months after termination of the member's OPERS-covered employment. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan. Additions to the pension plans consist of contributions (member and employer), other contracts and receipts, interplan activities, net investment income, and other miscellaneous income. Contributions are recorded in the period the related salaries are earned and become measureable pursuant to formal commitments, statutory and contractual requirements. Accordingly, both member and employer contributions for the year ended December 31, 2018 include year-end accruals based upon estimates derived from subsequent payment activity and historical payment patterns. Member and employer contributions are due 30 days after the month in which the salaries are earned based on pay period end date. Plan changes, or interplan activity, are recorded as an addition or deduction based on the nature of the transaction, when the transaction occurs. Investment purchases and sales are recorded as of the trade date and generally reported at fair value.

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and to disclose contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

b. **Calculation of Employer Allocations**—Within the Traditional Pension Plan, OPERS classifies employees into four divisions: State, Local, Law Enforcement and Public Safety. The Public Safety and Law Enforcement divisions have different contribution rates, benefit formulas, and retirement eligibility requirements than those of the State and Local members. The member and employer contribution rates are set in statute. Both the member and employer contribution rates for Public Safety and Law Enforcement members are higher than those of the State and Local members to recognize the higher cost of these benefits. Accordingly, for the Traditional Pension Plan, both member and employer contributions are used to calculate the proportionate shares for employers in the Schedule of Employer Allocations.

The calculation of proportionate shares for the Combined Plan in the Schedule of Employer Allocations is based on employer contributions only. In this plan, the employer contributions are used to determine the defined benefit portion of the retirement benefit and only the State and Local divisions participate in the Combined Plan, and those employer rates are identical.

The Member-Directed Plan is a defined contribution pension plan in which at retirement members have the option to convert their defined contribution account to a defined benefit annuity. The defined benefit annuities are calculated based on the members' contributions, vested employer contributions and investment gains and losses resulting from the members' investment selections. The calculation of proportionate shares for the Member-Directed Plan in the Schedule of Employer Allocations is based on employer contributions to the plan as contributions specific to defined benefit annuities are identifiable only to retirees annuitizing their benefit. Additionally, only the State and Local divisions participate in the Member-Directed Plan and those employer rates are identical.

The member and employer contributions included in the OPERS Combining Statements of Changes in Fiduciary Net Position included in the OPERS 2018 CAFR, presented below, provided the basis for the proportionate share percentages calculated by OPERS and reported in the Schedule of Employer Allocations.

Total Contributions used in Schedule of Employer Allocations	Traditional Pension Plan	Combined Plan	Member-Directed Plan
Total Member Contributions	$1,354,235,298		
Total Employer Contributions	1,895,462,837	$60,249,275	$58,482,191
Total Pension Contributions for proportionate share calculations	$3,249,698,135	$60,249,275	$58,482,191

3. Net Pension Liability/(Asset)

The net pension liability or asset for the Traditional Pension Plan, Combined Plan and Member-Directed Plan, were measured as of December 31, 2018, and the total pension liabilities were determined by an actuarial valuation as of that date. Refer to the following table for the balances by plan as of December 31, 2018. Additional information on the changes in net pension liability or asset by plan and contribution information by plan can be found in the Required Supplementary Information of the Financial Section in OPERS 2018 CAFR.

Net Pension Liability/(Asset) ($ in millions)	**Traditional Pension Plan**	**Combined Plan**	**Member-Directed Plan**
Total Pension Liability	$108,264	$420	$17
Plan Fiduciary Net Position	80,876	532	19
Employers' Net Pension Liability/(Asset)	$27,388	($112)	($2)
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability/(Asset)	74.70%	126.64%	113.42%

4. Actuarial Methods and Assumptions

Actuarial valuations of an ongoing 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, mortality, and cost trends. Actuarially determined amounts are subject to continual review or modification as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial-reporting purposes are based on the substantive plan (the plan as understood by the employers and plan members) and include the types of benefits provided at the time of each valuation. The total pension liability was determined by an actuarial valuation as of December 31, 2018, using the following key actuarial assumptions and methods applied to all prior periods included in the measurement in accordance with the requirements of GASB 67.

Key Methods and Assumptions Used in Valuation of Total Pension Liability			
Actuarial Information	**Traditional Pension Plan**	**Combined Plan**	**Member-Directed Plan**
Measurement and Valuation Date	December 31, 2018	December 31, 2018	December 31, 2018
Experience Study	5-Year Period Ended December 31, 2015	5-Year Period Ended December 31, 2015	5-Year Period Ended December 31, 2015
Actuarial Cost Method	Individual entry age	Individual entry age	Individual entry age
Actuarial Assumptions			
Investment Rate of Return	7.20%	7.20%	7.20%
Wage Inflation	3.25%	3.25%	3.25%
Projected Salary Increases	3.25%-10.75% (includes wage inflation at 3.25%)	3.25%-8.25% (includes wage inflation at 3.25%)	3.25%-8.25% (includes wage inflation at 3.25%)
Cost-of-living Adjustments	Pre-1/7/2013 Retirees: 3.00% Simple Post-1/7/2013 Retirees: 3.00% Simple through 2018, then 2.15% Simple	Pre-1/7/2013 Retirees: 3.00% Simple Post-1/7/2013 Retirees: 3.00% Simple through 2018, then 2.15% Simple	Pre-1/7/2013 Retirees: 3.00% Simple Post-1/7/2013 Retirees: 3.00% Simple through 2018, then 2.15% Simple

Pre-retirement mortality rates are based on the RP-2014 Employees mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates are based on the RP-2014 Healthy Annuitant mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates for disabled retirees are based on the RP-2014 Disabled mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Mortality

rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale to all of the above described tables.

The discount rate used to measure the total pension liability was 7.2% for the Traditional Pension Plan, Combined Plan and Member-Directed Plan. The projection of cash flows used to determine the discount rate assumed that contributions from plan members and those of the contributing employers are made at the contractually required rates, as actuarially determined. Based on those 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 for the Traditional Pension Plan, Combined Plan and Member-Directed Plan was applied to all periods of projected benefit payments to determine the total pension liability.

The following table presents the net pension liability or asset calculated using the discount rate of 7.2%, and the expected net pension liability or asset if it were calculated using a discount rate that is 1.0% lower or 1.0% higher than the current rate.

Sensitivity of Net Pension Liability/(Asset) to Changes in the Discount Rate ($ in millions)

Employers' Net Pension Liability/(Asset) As of December 31, 2018	1% Decrease 6.2%	Current Discount Rate 7.2%	1% Increase 8.2%
Traditional Pension Plan	$40,460	$27,388	$16,525
Combined Plan	($37)	($112)	($166)
Member-Directed Plan	($1)	($2)	($4)

The allocation of investment assets within the Defined Benefit portfolio is approved by the Board as outlined in the annual investment plan. Plan assets are managed on a total return basis with a long-term objective of achieving and maintaining a fully funded status for the benefits provided through the defined benefit pension plans. The following table displays the Board-approved asset allocation policy for 2018 and the long-term expected real rates of return.

Asset Class	Target Allocation for 2018	Weighted Average Long-Term Expected Real Rate of Return (Arithmetic)
Fixed Income	23.00%	2.79%
Domestic Equities	19.00	6.21
Real Estate	10.00	4.90
Private Equity	10.00	10.81
International Equities	20.00	7.83
Other Investments	18.00	5.50
TOTAL	**100.00%**	**5.95%**

The long-term expected rate of return on defined benefit investment assets was determined using a building-block method in which best-estimate ranges of expected future real rates of return are developed for each major asset class. These ranges are combined to produce the

long-term expected real rate of return by weighting the expected future real rates of return by the target asset allocation percentage, adjusted for inflation.

During 2018, OPERS managed investments in three investment portfolios: the Defined Benefit portfolio, the Health Care portfolio, and the Defined Contribution portfolio. The Defined Benefit portfolio contains the investment assets for the Traditional Pension Plan, the defined benefit component of the Combined Plan and annuitized accounts of the Member-Directed Plan. Within the Defined Benefit portfolio, contributions into the plans are all recorded at the same time, and benefit payments all occur on the first of the month. Accordingly, the money-weighted rate of return is considered to be the same for all plans within the portfolio. The annual money-weighted rate of return expressing investment performance, net of investment expenses and adjusted for the changing amounts actually invested, for the Defined Benefit portfolio was a loss of 2.94% for 2018.

5. Average Remaining Service Life

GASB 68 requires that changes arising from differences between expected and actual experience or from changes in actuarial assumptions be recognized in pension expense over the average remaining service life of all employees provided with benefits through the pension plan (active and inactive). This is to consider these differences on a pooled basis, rather than an individual basis, to reflect the expected remaining service life of the entire pool of employees with the understanding that inactive employees have no remaining service period. As of December 31, 2018, the average of the expected remaining service lives of all employees calculated by our external actuaries for the Traditional Pension Plan was 2.8942 years, for the Combined Plan was 9.1680 years, and for the Member-Directed Plan was 10.1485 years. Employers should use these amounts when calculating elements of pension expense subject to amortization requirements as defined in GASB 68 and reported in the Schedule of Collective Pension Amounts.

6. Deferred Inflows and Deferred Outflows

As noted in the Schedule of Collective Pension Amounts, the deferred inflows and outflows do not include the layer of amortization that is recognized in current year pension expense and represents the balances of cumulative deferred amounts as of December 31, 2018. The following table discloses the original amounts of the deferred inflows and outflows, calculated by OPERS external actuaries, and the current year amortization on those amounts included in pension expense as of and for the year ended December 31, 2018. This information is included to assist employers with tracking the amortization tiers for each year to be recognized in future pension expense.

Deferred Inflows and Outflows Arising From the Current Reporting Period As of and for the year ended December 31, 2018				
Deferred Inflows/(Outflows)	**Total Deferred Inflows/(Outflows) Arising in Current Reporting Period**	**2018 Amortization Period**	**First Year of Amortization Recognized in Pension Expense**	**Balance of 2018 Deferred Inflows/(Outflows) in Current Reporting Period**
Traditional Pension Plan				
Difference Between Expected and Actual Experience	$331,476,115	2.8942 years	$114,531,171	$216,944,944
Assumption Changes	($3,416,977,040)	2.8942 years	($1,180,629,203)	($2,236,347,837)
Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	($8,644,125,772)	5 years	($1,728,825,154)	($6,915,300,618)
Combined Plan				
Difference Between Expected and Actual Experience	$12,305,091	9.1680 years	$1,342,178	$10,962,913
Assumption Changes	($16,552,344)	9.1680 years	($1,805,448)	($14,746,896)
Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	($53,645,935)	5 years	($10,729,187)	($42,916,748)
Member-Directed Plan				
Difference Between Expected and Actual Experience	($3,977,954)	10.1485 years	($391,975)	($3,585,979)
Assumption Changes	($384,943)	10.1485 years	($37,931)	($347,012)
Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	($1,964,308)	5 years	($392,862)	($1,571,446)

Amounts reported as deferred outflows of resources related to pensions resulting from employer contributions subsequent to the measurement date will be calculated by employers and recognized as a reduction of the net pension liability in the employer's financial statements, as applicable. Other cumulative amounts reported as deferred outflows and inflows of resources related to pensions will be recognized in pension expense as disclosed in the following table.

Cumulative Deferred Inflows/(Outflows) by Resources by Year to be recognized in Future Pension Expenses			
Year Ending December 31	**Traditional Pension Plan Net Deferred Outflows of Resources**	**Combined Plan Net Deferred Inflows/(Outflows) of Resources**	**Member-Directed Plan Net Deferred Outflows of Resources**
2019	($2,470,434,069)	($3,776,923)	($1,576,866)
2020	(1,199,032,543)	1,035,042	(1,441,974)
2021	(344,856,443)	527,153	(1,465,476)
2022	(1,728,825,156)	(7,014,367)	(1,767,082)
2023	-	2,887,599	(1,306,211)
Thereafter	-	2,949,324	(3,387,612)
Total	**($5,743,148,211)**	**($3,392,172)**	**($10,945,221)**

7. Additional Financial and Actuarial Information

Additional information supporting the preparation of the Schedules of Collective Pension Amounts and Employer Allocations (including the disclosure of the net pension

liability/(asset), required supplementary information on the net pension liability/(asset), and the unmodified audit opinion on the combined financial statements) is located in OPERS 2018 CAFR. This CAFR is available at opers.org or by contacting OPERS at: OPERS, 277 East Town Street, Columbus, Ohio 43215-4642 or by calling (800) 222-7377.

INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

Board of Trustees
The Ohio Public Employees Retirement System, and
The Honorable Keith Faber, Auditor of State

We have audited, in accordance with the 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 Ohio Public Employees Retirement System (OPERS), which comprise the combining statement of fiduciary net position as of December 31, 2018, and the related combining statement of changes in fiduciary net position for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated June 14, 2019.

We have also audited, in accordance with the 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 schedules of employer allocations of OPERS' Traditional Pension Plan, Combined Plan and Member-Directed Plan (the specified Plans), as of and for the year ended December 31, 2018, and the columns titled net pension liability (asset), total deferred outflows of resources, total deferred inflows of resources, and total employer pension expense (revenue) as of and for the year ended December 31, 2018 and net pension liability (asset) for the year ended December 31, 2017 (specified column totals), included in the accompanying schedules of collective pension amounts of the specified Plans, and the related notes, and have issued our report thereon dated June 14, 2019.

We have also audited, in accordance with the 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 schedules of employer allocations of OPERS' 115 Health Care Trust (OPEB), as of and for the year ended December 31, 2018, and the columns titled net OPEB liability, total deferred outflows of resources, total deferred inflows of resources, and total employer OPEB expense as of and for the year ended December 31, 2018 and net OPEB liability for the year ended December 31, 2017 (specified column totals), included in the accompanying schedules of collective OPEB amounts of the 115 Health Care Trust, and the related notes, and have issued our report thereon dated June 14, 2019.

Internal Control Over Financial Reporting

In planning and performing our audits of the financial statements, the schedules of employer allocations for the specified Plans and 115 Health Care Trust and the specified column totals included in the schedules of collective pension amounts and collective OPEB amounts, we considered OPERS' internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, the schedules of employer allocations for the specified Plans and 115 Health Care Trust and the specified column totals included in the schedules of collective pension amounts and collective OPEB amounts, but not for the purpose of expressing an opinion on the effectiveness of OPERS' internal control. Accordingly, we do not express an opinion on the effectiveness of OPERS' internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of OPERS' financial statements, the schedules of employer allocations for the specified Plans and 115 Health Care Trust and the specified column totals included in the schedules of collective pension amounts and collective OPEB amounts will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audits we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether OPERS' financial statements, the schedules of employer allocations for the specified Plans and 115 Health Care Trust and the specified column totals included in the schedules of collective pension amounts and collective OPEB amounts are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audits, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Board of Trustees
The Ohio Public Employees Retirement System, and
The Honorable Keith Faber, Auditor of State

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the result of that testing, and not to provide an opinion on the effectiveness of OPERS' internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering OPERS' internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

CliftonLarsonAllen LLP

CliftonLarsonAllen LLP

Toledo, Ohio
June 14, 2019

OHIO AUDITOR OF STATE
KEITH FABER

OHIO PUBLIC EMPLOYEES RETIREMENT SYSTEM

FRANKLIN COUNTY

CLERK'S CERTIFICATION

This is a true and correct copy of the report which is required to be filed in the Office of the Auditor of State pursuant to Section 117.26, Revised Code, and which is filed in Columbus, Ohio.

Susan Babbitt

CLERK OF THE BUREAU

CERTIFIED
JULY 16, 2019

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