

Ohio Police & Fire Pension Fund

Schedule of Employer Allocations and
Schedule of Pension Amounts by Employer

As of and For the Year Ended December 31, 2022

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Independent Auditor's Report

RSM US LLP

The Retirement Board
Ohio Police & Fire Pension Fund
and The Honorable Keith Faber

Report on the Audit of the Schedules

Opinions

We have audited the accompanying schedule of employer allocations of the Ohio Police & Fire Pension Fund (the Fund) as of and for the year ended December 31, 2022, and the related notes. We have also audited the total for all entities of the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total employer pension expense (specified column totals) included in the accompanying schedule of pension amounts by employer of the Ohio Police & Fire Pension Fund as of and for the year ended December 31, 2022, and the related notes (collectively, the Schedules).

In our opinion, the accompanying schedules referred to above present fairly, in all material respects, the employer allocations, net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total employer pension expense for all participating entities of the Ohio Police & Fire Pension Fund as of and for the year ended December 31, 2022, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Schedules section of our report. We are required to be independent of Ohio Police & Fire Pension Fund and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Schedules

Management is responsible for the preparation and fair presentation of the Schedules in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the Schedules that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibilities for the Audit of the Schedules

Our objectives are to obtain reasonable assurance about whether the Schedules are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the Schedules.

In performing an audit in accordance with GAAS, we

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the Schedules, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the Schedules.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of Ohio Police & Fire Pension Fund as of and for the year ended December 31, 2022, and our report thereon, issued June 26, 2023, expressed an unmodified opinion on those financial statements.

Restriction on Use

Our report is intended solely for the information and use of the Ohio Police & Fire Pension Fund's management and Ohio Police & Fire Pension Fund's employers and their auditors as of and for the year ended December 31, 2022, and it is not intended to be, and should not be, used by anyone other than these specified parties.

RSM US LLP

Cleveland, Ohio
September 25, 2023

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0001P	\$ 31,391	0.0053290%
0002P	86,028	0.0146044%
0003P	12,962	0.0022005%
0006F	8,763,063	1.4876434%
0006P	7,774,477	1.3198181%
0009F	261,332	0.0443645%
0010F	527,154	0.0894912%
0010P	534,968	0.0908177%
0011F	55,103	0.0093544%
0011P	383,173	0.0650486%
0012P	-	0.0000000%
0013P	385,202	0.0653930%
0014F	1,598,754	0.2714092%
0015P	28,871	0.0049012%
0016P	18,106	0.0030737%
0017P	17,885	0.0030362%
0018P	30,178	0.0051231%
0019P	54,476	0.0092480%
0020F	111,904	0.0189972%
0020P	118,564	0.0201278%
0022F	794,662	0.1349042%
0022P	493,148	0.0837183%
0023P	17,201	0.0029201%
0024F	438,239	0.0743967%
0024P	504,938	0.0857198%
0025F	228,510	0.0387925%
0026P	111,497	0.0189281%
0027F	483,197	0.0820289%
0027P	395,718	0.0671783%
0028P	-	0.0000000%
0029F	538,014	0.0913348%
0029P	557,382	0.0946228%
0030F	477,581	0.0810756%
0031F	909,091	0.1543300%
0031P	837,971	0.1422564%
0032F	790,298	0.1341633%
0032P	545,419	0.0925919%
0033F	325,680	0.0552884%
0035P	32,951	0.0055939%
0036F	997,937	0.1694127%
0036P	705,848	0.1198268%
0037P	76,279	0.0129493%
0039P	75,691	0.0128495%
0040F	326,810	0.0554802%
0041F	579,339	0.0983503%
0041P	430,760	0.0731271%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0042F	165,674	0.0281253%
0044P	7,045	0.0011960%
0045F	1,242,848	0.2109895%
0045P	928,043	0.1575473%
0047F	80,543	0.0136732%
0047P	848,035	0.1439649%
0048F	1,810,143	0.3072952%
0050F	657,306	0.1115862%
0050P	655,392	0.1112613%
0051F	525,216	0.0891622%
0051P	521,913	0.0886015%
0052P	66,935	0.0113631%
0053F	144,154	0.0244720%
0053P	191,028	0.0324295%
0054F	378,487	0.0642531%
0054P	451,219	0.0766003%
0055F	78,673	0.0133558%
0055P	184,947	0.0313971%
0056P	62,725	0.0106484%
0057P	128,224	0.0217677%
0058P	75,354	0.0127923%
0059F	602,936	0.1023562%
0059P	582,035	0.0988080%
0060P	9,108	0.0015462%
0061P	40,743	0.0069167%
0062P	-	0.0000000%
0063P	24,418	0.0041453%
0064P	709,634	0.1204696%
0065P	81,362	0.0138123%
0066F	376,716	0.0639524%
0069F	723,561	0.1228338%
0069P	719,062	0.1220701%
0070P	102,102	0.0173331%
0071F	632,453	0.1073671%
0072P	96,473	0.0163775%
0073P	20,799	0.0035309%
0074F	1,113,512	0.1890331%
0074P	785,883	0.1334138%
0076P	4,563	0.0007746%
0077P	260,475	0.0442190%
0078F	389,484	0.0661200%
0078P	549,494	0.0932837%
0080P	78,162	0.0132690%
0081P	50,165	0.0085162%
0083F	534,459	0.0907313%
0083P	609,511	0.1034724%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0084F	750,962	0.1274855%
0084P	744,548	0.1263967%
0085F	95,773	0.0162587%
0086F	544,152	0.0923768%
0086P	645,197	0.1095305%
0087P	295,099	0.0500969%
0089F	31,093	0.0052784%
0089P	161,690	0.0274490%
0090F	653,698	0.1109737%
0090P	814,622	0.1382926%
0091F	104,272	0.0177015%
0091P	190,530	0.0323449%
0093P	26,727	0.0045373%
0094F	369,076	0.0626554%
0094P	242,817	0.0412213%
0095P	39,914	0.0067759%
0096F	368,744	0.0625991%
0098P	17,199	0.0029198%
0099P	64,087	0.0108796%
0101F	370,593	0.0629130%
0101P	320,477	0.0544051%
0102P	33,911	0.0057568%
0103F	55,105	0.0093548%
0103P	150,596	0.0255656%
0104P	139,874	0.0237454%
0106P	307,276	0.0521641%
0107F	2,777,265	0.4714767%
0107P	2,397,927	0.4070791%
0108F	285,821	0.0485218%
0109F	298,809	0.0507267%
0110P	62,444	0.0106007%
0111P	83,945	0.0142508%
0112F	69,897	0.0118659%
0113P	99,165	0.0168345%
0115P	90,198	0.0153123%
0117P	43,446	0.0073755%
0118F	296,197	0.0502833%
0118P	242,414	0.0411529%
0120P	802,992	0.1363183%
0121P	249,804	0.0424075%
0122F	96,685	0.0164135%
0123P	227,765	0.0386661%
0126F	213,242	0.0362006%
0126P	224,016	0.0380296%
0127F	904,134	0.1534884%
0127P	645,370	0.1095599%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0128F	21,495,502	3.6491397%
0128P	19,480,551	3.3070757%
0129F	438,067	0.0743675%
0129P	321,561	0.0545891%
0130F	1,333,920	0.2264502%
0131F	15,036,103	2.5525731%
0131P	24,096,117	4.0906278%
0132F	1,848,449	0.3137981%
0132P	1,438,637	0.2442273%
0133P	-	0.0000000%
0134F	246,636	0.0418697%
0135F	11,991	0.0020356%
0136P	239,884	0.0407234%
0137P	22,256	0.0037782%
0139P	90,909	0.0154330%
0140F	1,641,846	0.2787246%
0141P	174,648	0.0296488%
0142F	44,117,783	7.4895647%
0142P	43,607,294	7.4029026%
0143P	24,753	0.0042021%
0144F	501,162	0.0850787%
0145F	460,920	0.0782471%
0146F	225,121	0.0382172%
0146P	257,285	0.0436775%
0147P	10,695	0.0018156%
0148F	505,758	0.0858590%
0150F	164,440	0.0279158%
0150P	154,135	0.0261664%
0152F	295,812	0.0502179%
0153F	358,417	0.0608459%
0154P	75,084	0.0127465%
0155F	61,590	0.0104557%
0155P	88,405	0.0150079%
0156P	39,501	0.0067058%
0157P	43,572	0.0073969%
0158F	10,844	0.0018409%
0158P	11,534	0.0019580%
0159F	136,295	0.0231378%
0160F	341,515	0.0579766%
0161F	1,709,609	0.2902283%
0161P	1,237,001	0.2099969%
0162F	339,844	0.0576929%
0162P	244,037	0.0414284%
0163P	38,605	0.0065537%
0164P	27,101	0.0046007%
0166F	6,071,031	1.0306361%

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Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0166P	6,176,577	1.0485539%
0167P	160,997	0.0273313%
0168F	479,963	0.0814799%
0168P	466,071	0.0791216%
0169F	1,585,605	0.2691770%
0169P	1,071,241	0.1818570%
0170F	737,081	0.1251290%
0171F	103,602	0.0175878%
0171P	130,003	0.0220697%
0172P	60,020	0.0101892%
0173F	42,448	0.0072061%
0173P	38,085	0.0064654%
0174P	23,035	0.0039105%
0176F	490,068	0.0831954%
0176P	305,867	0.0519249%
0177P	73,068	0.0124042%
0178P	26,518	0.0045018%
0179P	1,625,726	0.2759880%
0180P	24,006	0.0040753%
0181F	534,646	0.0907631%
0181P	413,975	0.0702776%
0182F	223,673	0.0379714%
0182P	186,513	0.0316630%
0183F	12,183	0.0020682%
0183P	94,992	0.0161261%
0184F	606,454	0.1029534%
0184P	454,893	0.0772240%
0185F	77,178	0.0131020%
0185P	217,623	0.0369443%
0186P	44,869	0.0076171%
0187P	11,358	0.0019282%
0188P	54,645	0.0092767%
0189P	34,466	0.0058510%
0190F	1,663,666	0.2824288%
0190P	1,384,058	0.2349618%
0191F	519,307	0.0881591%
0191P	374,251	0.0635340%
0192F	1,807,622	0.3068672%
0192P	1,695,378	0.2878124%
0193F	533,127	0.0905052%
0193P	353,133	0.0599489%
0194F	1,230,999	0.2089780%
0194P	892,300	0.1514795%
0195P	184,042	0.0312435%
0196F	1,222,488	0.2075332%
0196P	1,264,787	0.2147140%

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Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0197F	328,050	0.0556907%
0197P	449,184	0.0762548%
0198F	54,153	0.0091932%
0198P	72,238	0.0122633%
0199F	590,331	0.1002163%
0199P	462,365	0.0784924%
0201P	48,614	0.0082529%
0202P	-	0.0000000%
0203F	1,143,967	0.1942032%
0203P	933,073	0.1584012%
0205F	590,386	0.1002257%
0205P	656,063	0.1113752%
0206P	27,050	0.0045921%
0207P	23,768	0.0040349%
0208P	23,740	0.0040302%
0210F	334,919	0.0568568%
0210P	312,391	0.0530324%
0212F	334,971	0.0568657%
0212P	451,651	0.0766736%
0213F	678,933	0.1152577%
0215P	17,827	0.0030264%
0216P	59,312	0.0100690%
0217F	468,707	0.0795691%
0217P	478,349	0.0812059%
0218P	1,286,629	0.2184219%
0220F	374,976	0.0636570%
0220P	253,733	0.0430745%
0221F	8,722	0.0014807%
0221P	121,985	0.0207085%
0222F	861,944	0.1463262%
0222P	914,536	0.1552543%
0223P	64,808	0.0110020%
0224P	199,374	0.0338463%
0225F	72,950	0.0123842%
0225P	161,109	0.0273503%
0226P	42,528	0.0072197%
0227F	61,628	0.0104622%
0227P	85,314	0.0144832%
0228F	2,708	0.0004597%
0228P	151,724	0.0257571%
0229P	48,691	0.0082659%
0230F	230,356	0.0391059%
0230P	222,203	0.0377218%
0231F	3,874	0.0006577%
0231P	99,876	0.0169552%
0232P	16,213	0.0027524%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0233F	-	0.0000000%
0233P	136,913	0.0232428%
0234P	54,555	0.0092614%
0236P	6,950	0.0011799%
0237F	487,040	0.0826813%
0237P	446,496	0.0757985%
0238P	152,086	0.0258186%
0239F	1,297,408	0.2202518%
0240F	1,354,621	0.2299644%
0241P	15,541	0.0026383%
0242P	106,307	0.0180470%
0243P	141,045	0.0239442%
0244F	327,356	0.0555729%
0244P	365,953	0.0621253%
0245P	30,476	0.0051737%
0246P	1,398,008	0.2373300%
0247P	492,466	0.0836025%
0248P	-	0.0000000%
0250F	2,166,995	0.3678755%
0250P	2,119,858	0.3598733%
0251F	596,981	0.1013453%
0252F	490,659	0.0832957%
0253P	18,168	0.0030843%
0254F	559,083	0.0949116%
0254P	401,273	0.0681213%
0255F	392,389	0.0666131%
0256F	277,397	0.0470917%
0257P	126,875	0.0215387%
0259F	431,973	0.0733330%
0259P	302,452	0.0513451%
0260F	-	0.0000000%
0260P	113,348	0.0192423%
0261P	77,694	0.0131896%
0262P	6,772	0.0011496%
0263F	552,582	0.0938079%
0263P	488,921	0.0830007%
0264F	13,439	0.0022814%
0264P	57,011	0.0096784%
0265P	1,304,754	0.2214989%
0266P	167,354	0.0284105%
0267P	27,521	0.0046720%
0269P	114,092	0.0193686%
0270F	106,499	0.0180796%
0271F	458,001	0.0777516%
0272P	192,270	0.0326403%
0273F	1,276,572	0.2167146%

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Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0273P	1,015,764	0.1724391%
0274P	522,147	0.0886412%
0275P	228,296	0.0387562%
0276F	294,639	0.0500188%
0276P	209,113	0.0354996%
0277F	567,263	0.0963002%
0277P	656,106	0.1113825%
0278P	473,437	0.0803721%
0280F	227,270	0.0385820%
0280P	173,821	0.0295084%
0281P	106,974	0.0181602%
0282P	32,901	0.0055854%
0283F	2,120,158	0.3599243%
0284F	1,382,105	0.2346302%
0285P	52,906	0.0089815%
0286F	611,461	0.1038034%
0287F	292,651	0.0496813%
0288P	67,169	0.0114028%
0289F	530,325	0.0900295%
0290P	120,697	0.0204899%
0291F	865,123	0.1468658%
0291P	790,642	0.1342217%
0292F	175,728	0.0298321%
0292P	181,765	0.0308570%
0293F	2,157,548	0.3662717%
0293P	1,801,760	0.3058721%
0296F	199,707	0.0339028%
0296P	196,773	0.0334048%
0297P	77,925	0.0132288%
0298F	23,502	0.0039898%
0298P	28,559	0.0048483%
0300F	2,035,466	0.3455467%
0300P	1,819,912	0.3089536%
0301F	1,509,498	0.2562568%
0301P	1,048,763	0.1780411%
0303F	473,703	0.0804172%
0303P	519,917	0.0882626%
0304P	30,843	0.0052360%
0305P	27,002	0.0045839%
0306P	32,836	0.0055743%
0307F	45,340	0.0076971%
0308F	50,093	0.0085039%
0308P	38,328	0.0065067%
0309P	156,991	0.0266513%
0311F	982,696	0.1668254%
0312F	1,244,879	0.2113343%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0313F	273,406	0.0464142%
0314F	1,427,219	0.2422889%
0314P	1,097,148	0.1862551%
0316P	54,405	0.0092360%
0317P	94,738	0.0160830%
0318P	27,175	0.0046133%
0319F	5,316	0.0009025%
0319P	231,427	0.0392877%
0320F	45,951	0.0078008%
0320P	95,567	0.0162237%
0321F	153,374	0.0260372%
0321P	238,978	0.0405696%
0322F	435,822	0.0739864%
0322P	289,056	0.0490710%
0323F	1,518,964	0.2578638%
0323P	1,836,703	0.3118041%
0324F	36,176	0.0061413%
0324P	73,591	0.0124930%
0325F	24,734	0.0041989%
0325P	208,948	0.0354716%
0326P	403,774	0.0685459%
0328P	29,248	0.0049652%
0329P	18,568	0.0031522%
0330F	644,909	0.1094817%
0330P	585,135	0.0993342%
0331F	553,875	0.0940275%
0331P	391,098	0.0663939%
0333P	271,312	0.0460587%
0334F	592,010	0.1005014%
0334P	-	0.0000000%
0335F	345,763	0.0586977%
0336F	1,395,239	0.2368599%
0337F	231,465	0.0392942%
0338P	97,173	0.0164964%
0339F	-	0.0000000%
0339P	8,923	0.0015148%
0343F	1,642,317	0.2788046%
0343P	1,156,484	0.1963281%
0344P	29,494	0.0050070%
0345F	210,034	0.0356560%
0346F	646,213	0.1097030%
0346P	504,266	0.0856057%
0347P	45,458	0.0077171%
0348F	156,571	0.0265800%
0349F	-	0.0000000%
0349P	200,744	0.0340789%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0350F	608,865	0.1033627%
0350P	439,423	0.0745977%
0351F	1,120,034	0.1901403%
0351P	938,452	0.1593144%
0352F	398,677	0.0676806%
0354P	175,373	0.0297718%
0355F	992,595	0.1685058%
0355P	743,207	0.1261690%
0356F	1,201,492	0.2039688%
0356P	942,533	0.1600072%
0357F	961,013	0.1631444%
0357P	715,225	0.1214187%
0358F	109,311	0.0185570%
0358P	629,624	0.1068868%
0359F	952,398	0.1616819%
0359P	835,036	0.1417582%
0360F	494,303	0.0839143%
0360P	445,262	0.0755890%
0361P	10,658	0.0018093%
0362P	5,827	0.0009892%
0364P	32,567	0.0055287%
0365P	57,769	0.0098070%
0366P	42,395	0.0071971%
0367F	63,984	0.0108621%
0367P	709,915	0.1205173%
0369F	1,801,800	0.3058789%
0369P	1,565,422	0.2657506%
0370P	121,078	0.0205546%
0371F	87,768	0.0148998%
0371P	152,815	0.0259423%
0373F	1,322,471	0.2245066%
0374F	-	0.0000000%
0375F	80,877	0.0137299%
0376P	732,326	0.1243218%
0377F	675,356	0.1146504%
0377P	653,662	0.1109676%
0378P	157,559	0.0267477%
0379P	33,113	0.0056214%
0380F	1,536,580	0.2608543%
0380P	1,237,504	0.2100823%
0381P	14,707	0.0024967%
0382F	2,078,225	0.3528056%
0383F	121,707	0.0206613%
0384P	35,040	0.0059485%
0385P	378,018	0.0641734%
0386P	96,814	0.0164354%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0388P	107,253	0.0182076%
0389P	99,267	0.0168519%
0390F	62,995	0.0106942%
0390P	44,134	0.0074923%
0391P	78,268	0.0132870%
0392F	21,935	0.0037238%
0392P	118,426	0.0201043%
0393P	49,324	0.0083734%
0394F	525,816	0.0892641%
0394P	430,745	0.0731245%
0395F	-	0.0000000%
0395P	92,026	0.0156226%
0396F	30,296	0.0051431%
0397F	660,258	0.1120873%
0397P	508,063	0.0862503%
0398P	268,624	0.0456024%
0399P	34,676	0.0058867%
0402F	16,588	0.0028160%
0402P	70,876	0.0120321%
0403F	124,010	0.0210523%
0403P	253,932	0.0431082%
0404F	748,081	0.1269964%
0404P	411,115	0.0697921%
0406F	71,249	0.0120954%
0406P	132,858	0.0225544%
0408F	39,579	0.0067190%
0408P	108,373	0.0183977%
0409F	155,457	0.0263908%
0409P	228,963	0.0388694%
0410P	59,441	0.0100909%
0411F	52,205	0.0088625%
0411P	101,992	0.0173145%
0412P	631,721	0.1072428%
0413F	93,234	0.0158277%
0413P	79,248	0.0134534%
0414P	106,803	0.0181312%
0416F	10,450	0.0017740%
0416P	43,954	0.0074618%
0418F	34,891	0.0059232%
0418P	103,556	0.0175800%
0419P	59,158	0.0100428%
0420P	52,848	0.0089716%
0422P	7,559	0.0012832%
0423P	9,450	0.0016043%
0424P	10,147	0.0017226%
0425F	607,689	0.1031631%

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Ohio Police & Fire Pension Fund
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0425P	358,660	0.0608872%
0426F	60,186	0.0102174%
0426P	44,396	0.0075368%
0429P	6,580	0.0011170%
0430P	16,696	0.0028344%
0431P	26,843	0.0045569%
0432F	1,543,892	0.2620957%
0432P	1,033,286	0.1754137%
0433F	173,618	0.0294739%
0433P	170,223	0.0288976%
0434P	61,568	0.0104520%
0435P	52,671	0.0089416%
0437P	135,885	0.0230682%
0438F	561,876	0.0953857%
0438P	532,852	0.0904585%
0439P	53,378	0.0090616%
0441F	287,552	0.0488157%
0441P	401,245	0.0681165%
0442F	191,921	0.0325811%
0442P	221,214	0.0375539%
0444P	58,342	0.0099043%
0445F	864,309	0.1467276%
0445P	830,478	0.1409844%
0446F	115,581	0.0196214%
0446P	145,687	0.0247323%
0447F	930,486	0.1579620%
0447P	768,822	0.1305175%
0448F	842,995	0.1431093%
0448P	654,553	0.1111188%
0450F	82,356	0.0139810%
0450P	239,599	0.0406750%
0452P	261,149	0.0443334%
0453F	182,591	0.0309972%
0453P	286,020	0.0485556%
0454F	335,107	0.0568888%
0454P	316,237	0.0536853%
0455F	2,224,650	0.3776631%
0456F	1,221,915	0.2074359%
0456P	967,264	0.1642056%
0457P	69,842	0.0118566%
0458P	30,287	0.0051416%
0459P	703,078	0.1193566%
0460P	12,875	0.0021857%
0461P	267,270	0.0453725%
0462F	109,808	0.0186413%
0462P	279,593	0.0474645%

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Ohio Police & Fire Pension Fund
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0463P	346,475	0.0588186%
0464F	155,541	0.0264051%
0464P	145,158	0.0246424%
0465F	289,303	0.0491129%
0466P	335,192	0.0569032%
0467F	1,158,045	0.1965931%
0468P	348,364	0.0591393%
0469F	604,054	0.1025460%
0469P	849,571	0.1442257%
0470F	24,784	0.0042074%
0470P	261,886	0.0444585%
0471P	43,445	0.0073754%
0472P	88,886	0.0150895%
0473P	201,772	0.0342534%
0474P	25,313	0.0042972%
0475P	45,947	0.0078001%
0476F	261,183	0.0443392%
0476P	546,706	0.0928104%
0477F	667,738	0.1133572%
0477P	685,491	0.1163710%
0478F	685,072	0.1162998%
0479P	18,733	0.0031802%
0480F	2,231,975	0.3789066%
0480P	2,209,123	0.3750272%
0481F	673,203	0.1142849%
0481P	605,951	0.1028680%
0482P	338,387	0.0574456%
0483P	51,604	0.0087604%
0484P	18,789	0.0031897%
0485P	17,528	0.0029756%
0486P	13,067	0.0022183%
0487P	40,692	0.0069080%
0488F	230,400	0.0391134%
0488P	308,729	0.0524107%
0489F	419,993	0.0712992%
0492F	277,251	0.0470669%
0493P	58,848	0.0099902%
0494F	677,724	0.1150524%
0494P	646,416	0.1097375%
0495P	676,459	0.1148377%
0496F	369,062	0.0626531%
0496P	-	0.0000000%
0497P	68,996	0.0117130%
0498P	51,021	0.0086615%
0499F	715,699	0.1214992%
0499P	557,932	0.0947162%

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Ohio Police & Fire Pension Fund
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0500P	168,453	0.0285971%
0501F	956,024	0.1622974%
0502F	914,657	0.1552749%
0504F	287,702	0.0488411%
0505F	350,449	0.0594933%
0506P	45,923	0.0077960%
0507P	60,592	0.0102863%
0508P	19,626	0.0033318%
0509P	224,487	0.0381096%
0510F	681,623	0.1157143%
0510P	545,165	0.0925488%
0511P	426,831	0.0724601%
0512P	23,713	0.0040256%
0513F	750,900	0.1274750%
0516P	67,614	0.0114784%
0518F	368,839	0.0626152%
0518P	374,417	0.0635621%
0519F	107,915	0.0183200%
0520F	355,064	0.0602767%
0520P	404,611	0.0686880%
0521P	133,420	0.0226498%
0523P	1,343,270	0.2280375%
0524F	295,670	0.0501938%
0524P	297,699	0.0505383%
0526F	458,403	0.0778198%
0526P	384,572	0.0652861%
0528P	72,211	0.0122588%
0529P	14,214	0.0024130%
0530P	47,083	0.0079929%
0531F	30,553	0.0051868%
0531P	127,627	0.0216663%
0532F	364,301	0.0618448%
0532P	488,143	0.0828686%
0533P	37,218	0.0063182%
0535P	20,680	0.0035107%
0536F	779,755	0.1323735%
0536P	626,873	0.1064198%
0537P	9,141	0.0015518%
0538P	245,825	0.0417320%
0540P	47,155	0.0080052%
0541F	275,821	0.0468242%
0541P	304,167	0.0516363%
0542P	9,740	0.0016535%
0543F	906,504	0.1538908%
0543P	748,869	0.1271302%
0545F	167,994	0.0285192%

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Ohio Police & Fire Pension Fund
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0547F	277,589	0.0471243%
0548P	11,327	0.0019229%
0549P	64,250	0.0109073%
0550F	25,015	0.0042466%
0550P	334,800	0.0568366%
0551P	116,886	0.0198429%
0552P	57,928	0.0098340%
0553F	1,387,145	0.2354858%
0553P	1,278,260	0.2170012%
0555F	1,059,277	0.1798260%
0555P	796,455	0.1352085%
0556P	48,597	0.0082500%
0557F	433,719	0.0736294%
0559F	254,681	0.0432354%
0559P	160,736	0.0272870%
0560F	306,182	0.0519784%
0560P	198,711	0.0337338%
0561F	248,785	0.0422345%
0561P	223,514	0.0379444%
0563P	22,039	0.0037414%
0564F	820,590	0.1393058%
0564P	652,684	0.1108016%
0565P	105,348	0.0178842%
0567P	41,963	0.0071238%
0568F	1,565,864	0.2658257%
0568P	993,540	0.1686663%
0569P	15,688	0.0026632%
0571F	768,880	0.1305273%
0571P	676,658	0.1148715%
0573P	44,535	0.0075604%
0574P	160,642	0.0272711%
0576F	12,207	0.0020723%
0576P	18,125	0.0030770%
0577P	8,327	0.0014136%
0578P	38,872	0.0065990%
0579P	514,856	0.0874035%
0580F	655,048	0.1112029%
0580P	626,798	0.1064071%
0581F	2,352,489	0.3993655%
0581P	1,802,559	0.3060077%
0582F	910,915	0.1546396%
0583F	292,562	0.0496662%
0584F	254,416	0.0431904%
0585F	469,441	0.0796937%
0585P	265,151	0.0450128%
0586P	123,140	0.0209046%

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Ohio Police & Fire Pension Fund
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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0587P	36,862	0.0062578%
0588F	225,677	0.0383116%
0588P	228,179	0.0387363%
0589P	32,817	0.0055711%
0590F	633,502	0.1075452%
0590P	519,951	0.0882684%
0591P	62,563	0.0106209%
0592P	31,565	0.0053586%
0593F	1,279,284	0.2171750%
0593P	807,520	0.1370870%
0594F	12,877	0.0021860%
0594P	48,967	0.0083128%
0595P	10,220	0.0017350%
0596F	404,397	0.0686516%
0596P	478,381	0.0812114%
0597F	1,767,550	0.3000645%
0597P	1,504,355	0.2553837%
0598F	126,636	0.0214981%
0598P	174,721	0.0296612%
0599P	27,959	0.0047464%
0600P	97,589	0.0165670%
0601F	337,947	0.0573709%
0602P	200,516	0.0340402%
0603F	126,019	0.0213934%
0603P	86,346	0.0146584%
0604F	917,498	0.1557572%
0606P	567,394	0.0963225%
0607F	1,513,180	0.2568819%
0608F	503,387	0.0854565%
0608P	450,735	0.0765181%
0609F	179,001	0.0303877%
0610P	111,407	0.0189128%
0612F	668,436	0.1134757%
0612P	450,070	0.0764052%
0613P	10,588	0.0017975%
0614F	52,425	0.0088998%
0614P	393,105	0.0667347%
0615F	12,005,404	2.0380727%
0615P	10,721,752	1.8201562%
0616F	97,843	0.0166101%
0616P	144,047	0.0244538%
0617P	305,257	0.0518213%
0618F	79,078	0.0134245%
0619F	529,476	0.0898854%
0619P	522,477	0.0886972%
0620F	873,050	0.1482115%

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0620P	701,490	0.1190870%
0621F	1,162,007	0.1972657%
0622F	776,040	0.1317428%
0622P	655,603	0.1112971%
0623F	169,918	0.0288458%
0623P	108,954	0.0184964%
0624P	157,684	0.0267689%
0625P	38,141	0.0064749%
0626F	1,925,570	0.3268904%
0626P	-	0.0000000%
0627F	1,286,433	0.2183887%
0628F	768,942	0.1305379%
0628P	547,738	0.0929856%
0629F	1,588,428	0.2696562%
0629P	1,154,361	0.1959677%
0630F	40,810	0.0069280%
0630P	162,394	0.0275685%
0631F	438,040	0.0743630%
0631P	280,291	0.0475830%
0632P	41,431	0.0070334%
0633F	365,020	0.0619669%
0633P	355,189	0.0602979%
0635F	268,676	0.0456112%
0635P	637,793	0.1082736%
0636F	298,807	0.0507264%
0636P	249,959	0.0424338%
0637F	9,341	0.0015858%
0637P	266,134	0.0451797%
0638P	74,342	0.0126205%
0640F	1,654,170	0.2808168%
0641F	244,021	0.0414257%
0641P	481,292	0.0817055%
0642P	100,398	0.0170439%
0643P	10,976	0.0018633%
0644P	55,424	0.0094089%
0645P	202,775	0.0344237%
0646F	275,765	0.0468147%
0646P	194,138	0.0329574%
0647F	882,184	0.1497622%
0647P	801,004	0.1359808%
0648F	7,949	0.0013494%
0649F	15,599	0.0026481%
0649P	135,287	0.0229667%
0650F	626,975	0.1064371%
0650P	564,545	0.0958388%
0652F	262,547	0.0445708%

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0652P	294,946	0.0500709%
0653F	63,665	0.0108080%
0654F	2,575,009	0.4371411%
0655F	1,879,651	0.3190951%
0656F	123,395	0.0209479%
0656P	174,666	0.0296518%
0657F	249,350	0.0423304%
0657P	181,869	0.0308746%
0658F	24,518	0.0041622%
0658P	71,968	0.0122175%
0660P	11,917	0.0020231%
0661P	73,038	0.0123991%
0662P	119,379	0.0202661%
0663F	37,775	0.0064128%
0663P	107,535	0.0182555%
0664F	20,925	0.0035523%
0664P	82,231	0.0139598%
0665P	12,642	0.0021461%
0666F	262,168	0.0445064%
0666P	413,264	0.0701569%
0667P	253,573	0.0430473%
0668P	40,865	0.0069374%
0669P	39,019	0.0066240%
0670F	1,936,266	0.3287062%
0672P	113,839	0.0193256%
0673P	8,746	0.0014847%
0674P	19,382	0.0032903%
0675P	50,662	0.0086005%
0676F	2,289,982	0.3887541%
0676P	1,673,665	0.2841263%
0677F	980,827	0.1665081%
0677P	1,032,329	0.1752512%
0679F	1,192,086	0.2023720%
0679P	1,346,873	0.2286491%
0680F	286,578	0.0486503%
0680P	174,858	0.0296844%
0681F	121,533	0.0206318%
0682F	474,298	0.0805182%
0682P	567,647	0.0963654%
0684F	142,628	0.0242129%
0684P	178,674	0.0303322%
0685P	55,790	0.0094711%
0686F	1,014,140	0.1721634%
0686P	860,368	0.1460586%
0687F	331,939	0.0563509%
0687P	359,700	0.0610637%

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Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0688F	23,764	0.0040342%
0688P	410,781	0.0697354%
0689F	358,461	0.0608534%
0689P	351,090	0.0596021%
0691P	13,741	0.0023327%
0692P	46,641	0.0079179%
0693P	77,975	0.0132373%
0694F	235,483	0.0399763%
0694P	240,720	0.0408653%
0695F	5,950	0.0010101%
0695P	166,120	0.0282010%
0696P	46,068	0.0078206%
0697P	60,544	0.0102781%
0698F	1,021,698	0.1734465%
0698P	730,529	0.1240168%
0699F	114,429	0.0194258%
0700F	999,255	0.1696365%
0700P	681,620	0.1157138%
0701P	337,332	0.0572665%
0702F	971,911	0.1649945%
0702P	814,345	0.1382456%
0703F	30,975	0.0052584%
0704P	102,586	0.0174153%
0705P	12,584	0.0021363%
0706F	1,932,890	0.3281331%
0706P	2,082,645	0.3535559%
0707F	915,940	0.1554927%
0707P	724,903	0.1230617%
0709P	48,780	0.0082810%
0710P	14,471	0.0024566%
0711P	-	0.0000000%
0712F	886,098	0.1504266%
0712P	649,172	0.1102053%
0713P	29,060	0.0049333%
0714F	300,271	0.0509749%
0715F	193,427	0.0328367%
0717F	107,897	0.0183169%
0718F	41,173	0.0069896%
0719F	117,518	0.0199502%
0720F	800,555	0.1359046%
0721F	45,751	0.0077668%
0722F	33,744	0.0057285%
0723F	54,118	0.0091872%
0724F	365,496	0.0620477%
0725P	16,960	0.0028792%
0726F	27,616	0.0046882%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0728F	501,701	0.0851702%
0732F	294,535	0.0500011%
0732P	244,682	0.0415379%
0734P	3,545	0.0006018%
0735P	15,265	0.0025914%
0736F	1,270,599	0.2157006%
0737P	18,710	0.0031763%
0738P	16,717	0.0028379%
0740P	9,312	0.0015808%
0741F	252,777	0.0429122%
0744F	-	0.0000000%
0745P	19,135	0.0032484%
0746F	40,616	0.0068951%
0749P	31,172	0.0052919%
0753P	52,521	0.0089161%
0754F	472,404	0.0801967%
0756P	89,256	0.0151524%
0757F	442,557	0.0751298%
0758F	232,222	0.0394227%
0759F	114,459	0.0194309%
0760P	6,516	0.0011062%
0761F	929,573	0.1578070%
0762F	28,999	0.0049230%
0764P	9,159	0.0015549%
0765F	211,285	0.0358684%
0766F	26,654	0.0045249%
0768F	588,069	0.0998323%
0769F	71,494	0.0121370%
0770F	17,520	0.0029742%
0771F	-	0.0000000%
0773F	155,748	0.0264402%
0774F	38,431	0.0065242%
0776F	146,485	0.0248677%
0777F	540,346	0.0917307%
0779F	159,787	0.0271259%
0780F	61,886	0.0105059%
0781F	70,567	0.0119797%
0782F	126,119	0.0214103%
0783F	141,419	0.0240077%
0786F	125,711	0.0213411%
0787P	-	0.0000000%
0788F	265,562	0.0450826%
0788P	192,778	0.0327266%
0789F	165,779	0.0281431%
0790F	51,031	0.0086632%
0791F	73,339	0.0124502%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0792F	25,511	0.0043308%
0794F	215,636	0.0366070%
0795F	127,840	0.0217025%
0796F	17,129	0.0029079%
0797F	101,469	0.0172257%
0798F	15,269	0.0025921%
0799F	72,907	0.0123769%
0800F	133,534	0.0226691%
0801F	290,550	0.0493246%
0803P	8,945	0.0015185%
0805F	404,215	0.0686207%
0806F	115,627	0.0196292%
0807F	19,117	0.0032454%
0809F	29,288	0.0049720%
0810F	33,051	0.0056108%
0812F	75,459	0.0128101%
0813F	383,331	0.0650754%
0815F	19,862	0.0033718%
0816F	34,244	0.0058134%
0817P	37,736	0.0064062%
0818F	1,402,471	0.2380876%
0819P	44,950	0.0076308%
0820F	17,053	0.0028950%
0821F	15,748	0.0026734%
0822F	10,782	0.0018304%
0823F	31,385	0.0053280%
0824F	47,903	0.0081322%
0827F	264,244	0.0448588%
0828F	32,916	0.0055879%
0829F	11,896	0.0020195%
0830F	36,314	0.0061648%
0832F	25,924	0.0044009%
0833F	14,686	0.0024931%
0834F	11,400	0.0019353%
0835F	211,210	0.0358556%
0836P	25,462	0.0043225%
0837F	21,873	0.0037132%
0838F	74,543	0.0126546%
0839F	17,084	0.0029002%
0840F	204,968	0.0347960%
0841F	31,654	0.0053737%
0842F	-	0.0000000%
0843F	17,804	0.0030225%
0844F	3,620	0.0006145%
0845F	138,638	0.0235356%
0846F	54,496	0.0092514%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police & Fire Pension Fund
Schedule of Employer Allocations
As of and for the Year Ended December 31, 2022

Employer Code	2022 Actual Employer Contribution	Employer Allocation Percentage
0847F	64,807	0.0110018%
0848F	95,026	0.0161319%
0849F	12,617	0.0021419%
0850P	17,440	0.0029607%
0851F	22,680	0.0038502%
0852F	9,838	0.0016701%
0854P	9,424	0.0015998%
0855F	55,359	0.0093979%
0856F	48,548	0.0082417%
0857F	49,742	0.0084443%
0858F	58,472	0.0099264%
0859P	5,294	0.0008987%
0860F	33,283	0.0056502%
0861F	10,143	0.0017219%
0862F	37,005	0.0062821%
0863F	72,701	0.0123419%
0864F	36,325	0.0061666%
0865F	18,834	0.0031973%
0866F	9,454	0.0016049%
0867F	17,015	0.0028885%
0868F	10,555	0.0017918%
0869F	13,296	0.0022572%
0870F	3,646	0.0006190%
0999	182,678	0.0310128%
Total	\$ 589,056,703	100.0000000%

See Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer.

Ohio Police and Fire Pension Fund

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

Note 1. Nature of Entity

The Ohio Police and Fire Pension Fund (OP&F) is a cost-sharing, multiple employer public employee retirement system and was created by the Ohio General Assembly in 1965, replacing 454 separate local police and firefighter relief and pension funds in Ohio. OP&F began operating as a statewide retirement fund on January 1, 1967.

OP&F is governed by Chapter 742 of the Ohio Revised Code. These statutes assign the authority to establish and amend the benefit provisions of the plan to the State Legislature. The operation of OP&F and the direction of its policies are the responsibility of the Board of Trustees of OP&F. The OP&F Board is responsible for the general administration and management of OP&F. The Board of Trustees is composed of nine members: two active representatives of police departments, two active representatives of fire departments, one retired police officer and one retired firefighter. The Board also includes three statutory members. Each statutory member – one appointed by the Governor of Ohio, one by the Ohio Treasurer of State, and one appointed jointly by the Ohio Senate President and Ohio Speaker of the House of Representatives – must have professional investment expertise.

Defined benefit plan: A traditional defined benefit plan was established in 1965 (the Plan). A summary of the benefit provisions can be found in OP&F's annual comprehensive financial report Notes to the Financial Statements. OP&F's annual comprehensive financial report can be accessed on their website at www.op-f.org.

Note 2. Summary of Significant Accounting Policies

Nature of schedules: Employers participating in a cost-sharing pension plan, and any non-employer contributing entities that meet the definition of a special funding situation, are required to recognize their proportionate share of the collective pension amounts for pension benefits provided to members through the OP&F plan. State retirement law requires contributions by covered employees and their employers, and limits the maximum rate of contributions. The adequacy of employer contribution rates is determined annually by actuarial valuation using the entry age normal cost method. During fiscal year 2022, employees were required to contribute 12.25%. The Police employers were required to contribute 19.5% of member payroll while the fire employers contributed 24.0% of member payroll. OP&F does have one special funding situation that is included in the required calculations.

The Schedule of Employer Allocations presents the fiscal year 2022 contributions for each employer and the respective allocation percentage. The Schedule of Pension Amounts by Employer presents the proportionate share of total net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense for all OP&F employers. The pension expense includes the amortization of the current year differences between expected and actual economic and demographic experience, differences between projected and actual investment earnings (net) on Plan investments, amortization of the change in proportionate share, and the impact of changes of assumptions about future economic or demographic factors or other inputs. The pension expense does not include amortization of deferred inflows and deferred outflows recognized during previous periods.

Measurement focus and basis of accounting: The Schedule of Employer Allocations and Schedule of Pension Amounts by Employer (collectively, the Schedules) present amounts that are elements of the Plan or its participating employers. Accordingly, they do not purport to be a complete presentation of the financial position or changes in financial position of the Plan or its participating employers. The financial transactions are recorded using the economic resources measurement focus and the accrual basis of accounting. Employer contributions are recognized as revenue when due pursuant to statutory or contractual requirements.

Use of estimates: The preparation of the Schedules in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts, and changes therein, and disclosures. Actual results could differ from those estimates and differences could be material.

Ohio Police and Fire Pension Fund

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

Note 2. Summary of Significant Accounting Policies (Continued)

Basis of allocation: In determining the proportionate share of the net pension liability and corresponding employer pension amounts for a cost-sharing plan, the basis should be consistent with the manner in which contributions are made to the Plan, excluding those to separately finance specific liabilities of an individual employer. OP&F has determined that the actual contributions made to the Plan during fiscal year 2022 are appropriate as the allocation basis because they are representative of future contributions.

Note 3. Contributions

The fiscal year 2022 total employer pension contributions to OP&F used as the denominator for the allocation calculation in the Schedule of Employer Allocations can be reconciled to OP&F's fiscal year 2022 ACFR as follows:

Defined benefit plan employer contributions	\$ 575,492,871
Special funding entity	182,678
Total contributions	\$ 575,675,549
Employer Payments allocation to Health Care Fund	13,381,154
Total contributions - schedule of employer allocations	\$ 589,056,703

During 2022, employer contributions to the Health Care Fund represent an allocation of 0.5% of annual covered payroll which is included in the employers' contribution rates of 19.5% and 24.0% of salaries for police and fire employers, respectively.

Note 4. Deferred Outflows and Deferred Inflows

Deferred outflows of resources are the consumption of net position by OP&F that is applicable to future reporting periods. Deferred outflows of resources have a positive effect on net position. Deferred inflows of resources are the acquisition of net position that is applicable to future reporting periods. Deferred inflows of resources have a negative effect on net position. Other than differences between projected and actual investment earnings, deferred inflows and outflows of resources are recognized in pension expense beginning in the current period, using a straight line method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with pensions through OP&F (active and inactive), determined as of the beginning of the measurement period. The average of the expected remaining service lives of all members for fiscal year 2022 is 5.81 years. Net deferred inflows (or outflows) of resources pertaining to differences between projected and actual investment earnings are similarly recognized over a closed five year period.

The future amortization of current year deferred outflows and inflows at December 31, 2022 is as follows:

	Deferred Outflows**	Deferred Inflows**
2023	695,987,003	38,509,028
2024	695,987,003	38,509,028
2025	695,987,003	38,509,028
2026	695,987,003	38,509,028
2027	11,259,928	31,192,315
	\$ 2,795,207,940	\$ 185,228,427

** The tables above do not include deferred outflows/inflows from previous years. Refer to previous year reports to calculate the cumulative deferred outflows/inflows for financial reporting purposes. The change in proportionate share of contributions as reflected on the Schedule of Pension Amounts by Employer results in deferred outflows and inflows, however, these amounts are not included in the table above. These amounts will be amortized at the employer level over the average expected remaining service life of all members.

Ohio Police and Fire Pension Fund

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

Note 5. Pension Expense

The components of pension expense for the year ended December 31, 2022 are:

Service cost	\$ 432,828,079
Interest on the total pension liability	1,851,865,191
Employee contributions	(352,964,203)
Projected earnings on plan investments	(1,384,574,281)
Recognition of outflow (inflow) of current period differences in expected assumption changes	(38,509,028)
Pension plan administrative expenses	12,672,374
Recognition of outflow (inflow) of current period differences in expected and actual experience liabilities	13,901,143
Recognition of outflow (inflow) of current period differences in expected and actual earnings of plan investments	<u>682,085,860</u>
Total Pension Expense - Schedule of Pension Amounts by Employer	<u>1,217,305,135</u>
Recognition of beginning deferred outflows of resources as pension expense	716,243,645
Recognition of beginning deferred inflows of resources as pension expense	(727,681,415)
Total Pension Expense	<u><u>\$ 1,205,867,365</u></u>

Note 6. Net Pension Liability and Actuarial Information – Defined Benefit Plans

The net pension liability (NPL) is the portion of the actuarial present value of projected benefit payments related to past periods. The NPL for the employers is based on the allocation percentages from the Schedule of Employer Allocations. The components of the net pension liability as of December 31, 2022 are as follows:

	Total Pension Liability (a)	Fiduciary Net Position (b)	Liability (Surplus) (a) - (b)	Fiduciary Net Position as of Percent of Total Pension Liability (b) / (a)
Pension	\$ 25,606,604,961	\$ 16,107,574,300	\$ 9,499,030,661	62.90%

The activity related to the net pension liability for fiscal year 2022 is set forth in the following table:

Net pension liability, January 1, 2022	\$ 6,247,421,562
Total pension expense	1,205,867,365
Change in deferred outflows of resources	2,078,964,295
Change in deferred inflows of resources	542,452,988
Employer contributions	(575,675,549)
Net pension liability, December 31, 2022	<u><u>\$ 9,499,030,661</u></u>

Ohio Police and Fire Pension Fund

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

Note 6. Net Pension Liability and Actuarial Information – Defined Benefit Plans (Continued)

The total pension liability is determined by OP&F's actuaries in accordance with GASB Statement No. 67, as part of their annual valuation. Actuarial valuations of an ongoing retirement plan involve estimates of the value of reported amounts and assumptions about probability of occurrence of events far into the future. Examples include assumptions about future employment mortality, salary increases, disabilities, retirements and employment terminations. Actuarially determined amounts are subject to continual review and potential modifications, as actual results are compared with past expectations and new estimates are made about the future. Experience study assumptions were performed by OP&F's prior actuary and completed as of December 31, 2016. Changes in demographic and economic actuarial assumptions were made. Assumptions considered were: withdrawal rates, disability retirement, service retirement, DROP elections, mortality, percent married and forms of payment, DROP interest rate, CPI-based COLA, investment returns, salary increases and payroll growth. The changes in assumptions are being amortized over the estimated remaining useful live of the participants which was 5.81 years at December 31, 2022.

Key methods and assumptions used in calculating the total pension liability in the latest actuarial valuation are presented below:

Valuation Date	January 1, 2022, with actuarial liabilities rolled forward to December 31, 2022
Actuarial Cost Method	Entry Age Normal (Level Percent of Payroll)
Actuarial Assumption	
Experience Study Date	5 year period ended December 31, 2021
Investment Rate of Return	7.50%
Cost of Living Increases (COLA)	2.2% per year simple.
Salary increases	3.75% to 10.50%
Payroll growth	3.25 percent per annum, compounded annually, consisting of inflation rate of 2.75 percent plus productivity increase rate of 0.5 percent

Healthy Mortality

Mortality for service retirees is based on the Pub-2010 Below-Median Safety Amount-Weighted Healthy Retiree mortality table with rates adjusted by 96.2% for males and 98.7% for females. All rates are projected using the MP-2021 Improvement Scale.

Disabled Mortality

Mortality for disabled retirees is based on the Pub-2010 Safety Amount-Weighted Disabled Retiree mortality table with rates adjusted by 135% for males and 97.9% for females. All rates are projected using the MP-2021 Improvement Scale.

Contingent Annuitant Mortality

Mortality for contingent annuitants is based on the Pub- 2010 Below-Median Safety Amount-Weighted Contingent Annuitant Retiree mortality table with rates adjusted by 108.9% for males and 131% for females. All rates are projected using the MP-2021 Improvement Scale.

Ohio Police and Fire Pension Fund

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

Note 6. Net Pension Liability and Actuarial Information – Defined Benefit Plans (Continued)

Pre-Retirement Mortality

Mortality for active members is based on the Pub-2010 Below-Median Safety Amount-Weighted Employee mortality table. All rates are projected using the MP- 2021 Improvement Scale.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The assumption is intended to be a long-term assumption (30 to 50 years) and is not expected to change absent a significant change in the asset allocation, a change in the underlying inflation assumption, or a fundamental change in the market that alters expected returns in future years.

Best estimates of the long-term expected real rates of return for each major asset class included in OP&F's target asset allocation as of December 31, 2022 are summarized below:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Cash and Cash Equivalents	0.00%	0.00%
Domestic Equity	18.60%	4.80%
Non-U.S. Equity	12.40%	5.50%
Private Markets	10.00%	7.90%
Core Fixed Income*	25.00%	2.50%
High Yield Fixed Income	7.00%	4.40%
Private Credit	5.00%	5.90%
U.S. Inflation Linked Bonds*	15.00%	2.00%
Midstream Energy Infrastructure	5.00%	5.90%
Real Assets	8.00%	5.90%
Gold	5.00%	3.60%
Private Real Estate	12.00%	5.30%
Commodities	2.00%	3.60%
	125.00%	

Note: Assumptions are geometric

*Levered 2.5x

OP&F's Board of Trustees has incorporated the risk parity concept into OP&F's asset liability valuation with the goal of reducing equity risk exposure, which reduces overall Total Portfolio risk without sacrificing return and creating a more risk-balanced portfolio based on the relationship between asset classes and economic environments. From the notional portfolio perspective above, the Total Portfolio may be levered up to 1.25 times due to the application of leverage in certain fixed income asset classes.

Ohio Police and Fire Pension Fund

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

Note 6. Net Pension Liability and Actuarial Information – Defined Benefit Plans (Continued)

Total pension liability was calculated using the discount rate of 7.50%. The projection of cash flows used to determine the discount rate assumed the contributions from employers and from members would be computed based on contribution requirements as stipulated by state statute. Projected inflows from investment earnings were calculated using the longer-term assumed investment rate of return 7.50 percent. Based on those assumptions, OP&F's fiduciary net position was projected to be available to make all future benefit payment of current plan members. Therefore, a long-term expected rate of return on pension plan investments was applied to all periods of projected benefits to determine the total pension liability.

Net pension liability is sensitive to changes in the discount rate. To illustrate the potential impact, the following table presents the net pension liability calculated using the discount rate of 7.50 percent, as well as what the net pension liability would be if it were calculated using a discount rate that is one percentage point lower, 6.50 percent, or one percentage point higher, 8.50 percent, than the current rate:

	1% Decrease	Current Rate	1% Increase
Discount rate	6.50%	7.50%	8.50%
Total pension liability	\$ 28,638,628,515	\$ 25,606,604,961	\$ 23,086,083,532
Plan fiduciary net position	16,107,574,300	16,107,574,300	16,107,574,300
Net pension liability	\$ 12,531,054,215	\$ 9,499,030,661	\$ 6,978,509,232