

West Virginia Municipal Police Officers and Firefighters Retirement System

*Administered by
The West Virginia Consolidated Public Retirement Board*

2021

Audited Schedules of Employer Allocations and Pension Amounts by Employer

Serving Those Who Serve West Virginia

As of and for the Year Ended June 30, 2021



West Virginia Municipal Police Officers and Firefighters Retirement System
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TABLE OF CONTENTS

	Page
Independent Auditor's Report	1 - 2
Schedule of Employer Allocations	3
Schedule of Pension Amounts By Employer	4
Notes to Schedules of Employer Allocations and Pension Amounts By Employer	5 - 11



Independent Auditor's Report

To the Members of the
West Virginia Consolidated Public Retirement Board
Charleston, West Virginia

Report on Schedule of Allocations and Pension Amounts by Employer

We have audited the accompanying schedule of employer allocations of the West Virginia Municipal Police Officers and Firefighters Retirement System (MPFRS), administered by the West Virginia Consolidated Public Retirement Board, as of and for the year ended June 30, 2021, and related notes. We have also audited the total for the columns titled net pension asset (liability), total deferred outflows of resources, total deferred inflows of resources and total employer pension expense (expense offset) (specified column totals) included in the accompanying schedule of pension amounts by employer (collectively the Schedules) of MPFRS as of and for the year ended June 30, 2021, and related notes.

Management's Responsibility 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; this includes design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the Schedules that is free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express opinions on the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer 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 entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer.

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 and net pension asset (liability), total deferred outflows of resources, total deferred inflows of resources, and total employer pension expense (expense offset) for the West Virginia Municipal Police Officers and Firefighters Retirement System, as of and for the year ended June 30, 2021, in accordance with accounting principles generally accepted in the United States of America.

Other Matters

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the West Virginia Consolidated Public Retirement Board as of and for the year ended June 30, 2021, and our report thereon, dated October 13, 2021, expressed an unmodified opinion on those financial statements.

Restriction on Use

Our report is intended solely for the information and use of the West Virginia Consolidated Public Retirement Board's management, the West Virginia Municipal Police Officers and Firefighters Retirement System's participating employers and their auditors and is not intended to be and should not be used by anyone other than these specified parties.


Boise, Idaho
March 9, 2022

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS RETIREMENT SYSTEM
Schedule of Employer Allocations
As of and for the Year Ended June 30, 2021

Employer Number	Employer Name	Employer Contributions	Employer Allocation Percentage
F20002	City of Moundsville Municipal Fire	\$ 9,324	0.436503%
F20600	City of Williamson Firefighters	6,987	0.327096%
F21000	City of Elkins Municipal Fire	18,419	0.862286%
F21200	City of Huntington Municipal Fire	135,971	6.365484%
F21600	City of Fairmont Municipal Fire	25,784	1.207078%
F21800	City of Bridgeport Municipal Fire	36,581	1.712540%
F21901	City of Charleston Municipal Fire	311,972	14.604973%
F22500	City of Grafton Municipal Fire	16,276	0.761961%
F22700	City of Parkersburg Municipal Fire	38,190	1.787865%
F23001	City of Weirton Municipal Fire	31,250	1.462969%
F23100	City of Weston Firefighters	2,143	0.100325%
F23700	City of Buckhannon Municipal Fire	17,145	0.802643%
F24400	City of Dunbar Firefighters	7,721	0.361459%
F30300	City of Wheeling Municipal Fire	164,344	7.693766%
P20002	City of Moundsville Municipal Police	47,413	2.219640%
P20600	City of Williamson	4,424	0.207110%
P20700	Town of Belle	12,832	0.600730%
P21000	City of Elkins Municipal Police	39,330	1.841234%
P21200	City of Huntington Municipal Police	223,647	10.470037%
P21300	City of Chester Municipal Police	8,457	0.395915%
P21600	City of Fairmont Municipal Police	78,616	3.680409%
P21800	City of Bridgeport Municipal Police	61,138	2.862176%
P21901	City of Charleston Municipal Police	362,999	16.993804%
P22000	City of Hurricane Municipal Police	33,921	1.588012%
P22500	City of Grafton Municipal Police	23,393	1.095144%
P22700	City of Parkersburg Municipal Police	49,531	2.318794%
P23001	City of Weirton Municipal Police	27,275	1.276879%
P23100	City of Weston Municipal Police	3,982	0.186417%
P23700	City of Buckhannon Municipal Police	14,254	0.667301%
P24400	City of Dunbar Municipal Police	28,471	1.332870%
P26000	City of Oak Hill	50,672	2.372210%
P30200	City of Welch	7,506	0.351393%
P30300	City of Wheeling Municipal Police	150,519	7.046549%
P86500	City of Point Pleasant	19,735	0.923894%
P94000	City of Westover	51,910	2.430167%
P95000	Town of Star City Police	10,498	0.491464%
X89500	City of Mount Hope	3,437	0.160903%
		\$ 2,136,067	100.000000%

The accompanying notes are an integral part of this schedule

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS RETIREMENT SYSTEM
Schedule of Pension Amounts by Employer
As of and for the Year Ended June 30, 2021

Employer Number	Deferred Outflows of Resources					Deferred Inflows of Resources					Pension Expense				
	Net Pension Asset (Liability)	Differences Between Expected and Actual Experience	Changes in Assumptions	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions		Net Difference Between Projected and Actual Investment Earnings on Pension Plan	Changes in Assumptions	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions		Total Deferred Inflows of Resources	Proportionate Share of Pension Expense	Net Amortization of Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions		Total Pension Expense	
				Differences Between Expected and Actual Experience	Total Deferred Outflows of Resources			Proportionate Share of Contributions	Share of Contributions			Proportionate Share of Pension Expense	Proportionate Share of Pension Expense		Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions
P20002	\$ 47,640	\$ 3,147	\$ 5,207	\$ 11,832	\$ 20,186	\$ (1,104)	\$ (11,921)	\$ (284)	\$ (6,191)	\$ (19,500)	\$ (3,374)	\$ 290	\$ (3,084)	\$ (3,084)	
P20600	35,699	2,358	3,902	-	6,260	(828)	(8,933)	(213)	(8,487)	(18,461)	(2,528)	(2,154)	(4,682)	(4,682)	
F21000	94,110	6,217	10,287	16,267	32,771	(2,182)	(23,549)	(560)	(5,607)	(31,898)	(6,665)	(295)	(6,960)	(6,960)	
F21200	694,729	45,895	75,940	84,778	206,613	(16,105)	(173,841)	(4,138)	(8,171)	(202,255)	(49,205)	20,994	(28,211)	(28,211)	
F21600	131,740	8,703	14,400	-	23,103	(3,054)	(32,965)	(785)	(35,519)	(72,323)	(9,331)	(8,244)	(17,575)	(17,575)	
F21800	186,907	12,347	20,431	5,285	38,063	(4,333)	(46,769)	(1,113)	(26,683)	(78,898)	(13,238)	(8,068)	(21,306)	(21,306)	
F21901	1,593,987	105,302	174,237	149,953	429,492	(36,951)	(398,862)	(9,493)	(66,901)	(502,207)	(112,896)	10,431	(102,465)	(102,465)	
F22500	83,160	5,494	9,090	6,596	21,180	(1,928)	(20,809)	(495)	(32,402)	(5,890)	(5,890)	(1,609)	(7,499)	(7,499)	
F22700	195,128	12,891	21,329	-	34,220	(4,523)	(48,827)	(1,162)	(63,492)	(108,004)	(13,820)	(12,109)	(25,929)	(25,929)	
F23001	159,668	10,548	17,453	-	28,001	(3,701)	(39,354)	(951)	(47,263)	(91,869)	(11,309)	(10,361)	(21,670)	(21,670)	
F23100	10,949	723	1,197	-	1,920	(254)	(2,740)	(65)	(5,984)	(9,043)	(776)	(908)	(1,684)	(1,684)	
F23700	87,600	5,787	9,576	15,739	31,102	(2,031)	(21,920)	(522)	(7,443)	(31,916)	(6,204)	(867)	(7,071)	(7,071)	
F24400	39,450	2,606	4,312	-	6,918	(914)	(9,871)	(235)	(20,356)	(31,376)	(2,794)	(3,228)	(6,022)	(6,022)	
F30300	839,698	55,472	91,787	374	147,633	(19,465)	(210,117)	(5,001)	(104,225)	(338,808)	(59,473)	(22,448)	(81,921)	(81,921)	
P20002	242,252	16,004	26,480	24,680	67,164	(5,616)	(60,618)	(1,443)	(8,241)	(75,918)	(17,158)	6,144	(11,014)	(11,014)	
P20600	22,604	1,493	2,471	2,824	6,788	(524)	(5,656)	(135)	(5,091)	(11,406)	(1,601)	(1,083)	(2,684)	(2,684)	
P20700	65,564	4,331	7,167	29,199	40,697	(1,520)	(16,406)	(390)	(16,406)	(24,078)	(4,644)	3,522	(1,122)	(1,122)	
P21000	200,952	13,275	21,966	13,373	48,614	(4,658)	(50,284)	(1,197)	(10,165)	(66,304)	(14,233)	(864)	(15,097)	(15,097)	
P21200	1,142,700	75,489	124,908	158,915	359,312	(26,489)	(288,937)	(6,806)	(18,139)	(319,232)	(80,933)	53,725	(27,208)	(27,208)	
P21300	43,210	2,855	4,723	-	7,578	(1,002)	(10,812)	(257)	(18,139)	(30,210)	(3,060)	(3,384)	(6,444)	(6,444)	
P21600	401,680	26,536	43,907	18,180	88,623	(9,311)	(100,512)	(2,392)	(85,581)	(197,796)	(28,450)	(21,559)	(50,009)	(50,009)	
P21800	312,378	20,636	34,146	-	54,782	(7,241)	(78,166)	(1,860)	(75,489)	(162,756)	(22,125)	(18,589)	(40,714)	(40,714)	
P21901	1,854,704	122,525	202,738	230,448	555,711	(42,993)	(464,101)	(11,046)	(12,274)	(630,414)	(12,275)	(56,333)	(75,031)	(75,031)	
P22000	173,316	11,450	18,945	-	30,395	(4,018)	(43,369)	(1,032)	(31,091)	(79,510)	(12,275)	(8,565)	(20,840)	(20,840)	
P22500	119,524	7,896	13,065	14,299	35,260	(2,771)	(29,908)	(712)	(10,735)	(44,126)	(8,465)	67	(8,398)	(8,398)	
P22700	253,073	16,719	27,663	2,630	47,012	(5,867)	(63,326)	(1,507)	(60,221)	(130,921)	(17,924)	(15,367)	(33,291)	(33,291)	
P23001	139,359	9,206	15,233	-	24,439	(3,231)	(34,872)	(830)	(51,671)	(90,604)	(9,870)	(10,664)	(20,534)	(20,534)	
P23100	20,346	1,344	2,224	16,995	20,563	(472)	(5,091)	(121)	(8,192)	(13,876)	(1,441)	677	(764)	(764)	
P23700	72,829	4,811	7,961	-	12,772	(1,688)	(18,224)	(434)	(11,767)	(32,113)	(5,158)	(3,541)	(8,699)	(8,699)	
P24400	145,469	9,610	15,901	25,031	50,542	(3,372)	(36,401)	(866)	(2,816)	(43,455)	(10,303)	5,530	(4,773)	(4,773)	
P25400	-	-	-	510	510	-	-	-	(161)	(161)	-	101	101	101	
P26000	258,903	17,104	28,300	51,447	96,851	(6,002)	(64,785)	(1,542)	(2,202)	(74,531)	(18,337)	12,137	(6,200)	(6,200)	
P30200	38,351	2,534	4,192	8,429	15,155	(889)	(9,597)	(228)	(6,125)	(16,839)	(2,716)	(437)	(3,153)	(3,153)	
P30300	769,060	50,806	84,065	26,139	161,010	(17,828)	(192,441)	(4,580)	(69,564)	(284,413)	(54,470)	(12,219)	(66,689)	(66,689)	
P86500	100,834	6,661	11,022	5,014	22,697	(2,337)	(23,232)	(601)	(9,090)	(37,260)	(7,142)	329	(6,813)	(6,813)	
P94000	265,228	17,522	28,992	20,620	67,134	(6,148)	(66,368)	(1,580)	(35,542)	(109,638)	(18,785)	1,262	(17,523)	(17,523)	
P95000	53,638	3,543	5,863	-	9,406	(1,243)	(13,422)	(319)	(15,992)	(30,976)	(3,799)	(3,575)	(7,374)	(7,374)	
X89500	17,561	1,160	1,920	-	3,080	(407)	(4,394)	(105)	(8,154)	(13,060)	(1,244)	(1,404)	(2,648)	(2,648)	
	\$ 10,914,000	\$ 721,000	\$ 1,193,000	\$ 939,557	\$ 2,853,537	\$ (253,000)	\$ (2,731,000)	\$ (65,000)	\$ (939,557)	\$ (3,988,557)	\$ (773,000)	\$ -	\$ (773,000)	\$ (773,000)	

The accompanying notes are an integral part of this schedule

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS RETIREMENT SYSTEM

NOTES TO SCHEDULE OF EMPLOYER ALLOCATIONS AND PENSION AMOUNTS BY EMPLOYER

1 - NATURE OF ENTITY

The Municipal Police Officers and Firefighters Retirement System (MPFRS) is a multiple employer defined benefit cost sharing plan. The MPFRS Act was passed by the West Virginia Legislature in November 2009 and became effective January 1, 2010. The legislation provided for any municipality or municipal subdivision employing municipal police officers or firefighters to elect to become a participating employer. All police officers and firefighters first employed in covered employment after the date the municipality or municipal subdivision elected to join MPFRS are required to be members of MPFRS.

The West Virginia State Legislature created the Consolidated Public Retirement Board (the Board) to administer ten of the State of West Virginia's eleven retirement plans. The Board is managed by a Board of Trustees, which consists of, by virtue of their position, the Governor, State Auditor, State Treasurer, and Secretary of the Department of Administration, together with the following gubernatorial appointments that are subject to the advice and consent of the State Senate: four residents of the State who are not participants in the retirement plans, one State and one non-State employee participant in the Public Employees' Retirement System, and one participant each from the other nine retirement systems administered by the Board.

Chapter 8, Article 22A of the West Virginia State Code assigns the authority to establish and amend the provisions of the plan to the State Legislature.

2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Introduction - The Government Accounting Standards Board (GASB) Statement No. 68, *Accounting and Financial Reporting for Pensions*, establishes financial reporting requirements for governments that provide employees with pension benefits. GASB Statement No. 68 requires governmental employers to recognize a net pension liability and/or a net pension asset as employees earn pension benefits. Governments participating in MPFRS will recognize their proportionate share of the collective pension amounts for all benefits provided through the plan.

Basis of Accounting - The schedules of employer allocations and pension amounts by employer of MPFRS have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental units. The GASB is the accepted standard setting body for establishing governmental accounting and financial reporting principles for governmental units.

Basis of Allocation - Pension amounts have been allocated to each participating employer based on their proportionate share of employer contributions to MPFRS for the fiscal year ended June 30, 2021. Employer contributions are recognized when due. Retroactive service, military service, out of state service, and back pay employer contributions related to prior fiscal years have been excluded from the allocation.

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS
RETIREMENT SYSTEM

NOTES TO SCHEDULE OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER

(Continued)

2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Accounting Estimates - The preparation of the schedules of employer allocations and pension amounts by employer in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of the net pension asset, deferred inflows of resources, deferred outflows of resources, and pension expense as of the measurement date. Actual amounts could differ from those estimates.

Investments - All defined benefit plan funds not required to meet disbursement needs are invested in accordance with the West Virginia Code, as well as policies established by the West Virginia Investment Management Board (WVIMB). The WVIMB has established various investment pools to provide for the investment of the defined benefit plans' assets. These investment pools are structured as multiparticipant variable net asset funds.

The WVIMB was organized on April 25, 1997, as a public body corporate created by *West Virginia Code Section 12-6-1* to provide prudent fiscal administration and investment management services to designated state pension funds, the state's Workers' Compensation and Coal Workers' Pneumoconiosis funds, and certain other state government funds. The WVIMB is governed by a Board of Trustees, consisting of thirteen members. The Governor, the State Auditor, and the State Treasurer are ex officio members of the Board of Trustees. The Governor appoints all other WVIMB Trustees for a term of six years.

Measurement Date - Net pension asset, deferred inflows of resources, deferred outflows of resources, and pension expense were determined by actuarial valuations as of July 1, 2020 rolled forward to June 30, 2021, which is the measurement date.

3 - AMORTIZATION

The net difference between projected and actual investment earnings on pension plan investments is amortized over a five-year period. All other deferred outflows of resources and deferred inflows of resources relating to pension amounts reported in these schedules are amortized and included in pension expense over the average expected remaining service life of 7.59 years.

The amortization of the deferred outflows and deferred inflows related to changes in the proportionate share of contributions from year to year for each entity is available from the West Virginia Consolidated Public Retirement Board.

Information regarding the amortization of deferred outflows and deferred inflows of resources related to pension amounts are as follows.

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS
RETIREMENT SYSTEM

NOTES TO SCHEDULE OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER

(Continued)

3 - AMORTIZATION (Continued)

Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments (in thousands, excluding the recognition period):

<u>Measurement date June 30</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>	<u>Total</u>
Amount	\$ (283)	\$ (34)	\$ 129	\$ 566	\$ (3,893)			
Recognition period (years)	5.00	5.00	5.00	5.00	5.00			
Amount recognized in								
fiscal year:								
2017	\$ (57)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (57)	\$ (57)
2018	(57)	(7)	-	-	-	-	(64)	(64)
2019	(57)	(7)	26	-	-	26	(64)	(38)
2020	(57)	(7)	26	114	-	140	(64)	76
2021	(55)	(7)	26	114	(779)	140	(841)	(701)
2022	-	(6)	26	114	(779)	140	(785)	(645)
2023	-	-	25	114	(779)	139	(779)	(640)
2024	-	-	-	110	(779)	110	(779)	(669)
2025	-	-	-	-	(777)	-	(777)	(777)
Balance as of June 30:								
2017	\$ (226)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (226)	\$ (226)
2018	(169)	(27)	-	-	-	-	(196)	(196)
2019	(112)	(20)	103	-	-	103	(132)	(29)
2020	(55)	(13)	77	452	-	529	(68)	461
2021	-	(6)	51	338	(3,114)	389	(3,120)	(2,731)
2022	-	-	25	224	(2,335)	249	(2,335)	(2,086)
2023	-	-	-	110	(1,556)	110	(1,556)	(1,446)
2024	-	-	-	-	(777)	-	(777)	(777)

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS
RETIREMENT SYSTEM

NOTES TO SCHEDULE OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER
(Continued)

3 - AMORTIZATION (Continued)

Differences Between Expected and Actual Experience (in thousands, excluding the recognition period):

<u>Measurement date June 30</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>	<u>Total</u>
Amount	\$ 49	\$ 38	\$ 12	\$ 444	\$ 450	\$ (373)	\$ 333			
Recognition period (years)	10.00	10.19	6.31	6.45	6.33	6.29	7.59			
Amount recognized in fiscal year:										
2015	\$ 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5	\$ -	\$ 5
2016	5	4	-	-	-	-	-	9	-	9
2017	5	4	2	-	-	-	-	11	-	11
2018	5	4	2	69	-	-	-	80	-	80
2019	5	4	2	69	72	-	-	152	-	152
2020	5	4	2	69	72	(60)	-	152	(60)	92
2021	5	4	2	69	72	(60)	44	196	(60)	136
2022	5	4	2	69	72	(60)	44	196	(60)	136
2023	5	4	-	69	72	(60)	44	194	(60)	134
2024	4	4	-	30	72	(60)	44	154	(60)	94
2025	-	2	-	-	18	(60)	44	64	(60)	4
2026	-	-	-	-	-	(13)	44	44	(13)	31
2027	-	-	-	-	-	-	44	44	-	44
2028	-	-	-	-	-	-	25	25	-	25
Balance as of June 30:										
2015	\$ 44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44	\$ -	\$ 44
2016	39	34	-	-	-	-	-	73	-	73
2017	34	30	10	-	-	-	-	74	-	74
2018	29	26	8	375	-	-	-	438	-	438
2019	24	22	6	306	378	-	-	736	-	736
2020	19	18	4	237	306	(313)	-	584	(313)	271
2021	14	14	2	168	234	(253)	289	721	(253)	468
2022	9	10	-	99	162	(193)	245	525	(193)	332
2023	4	6	-	30	90	(133)	201	331	(133)	198
2024	-	2	-	-	18	(73)	157	177	(73)	104
2025	-	-	-	-	-	(13)	113	113	(13)	100
2026	-	-	-	-	-	-	69	69	-	69
2027	-	-	-	-	-	-	25	25	-	25

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS
RETIREMENT SYSTEM

NOTES TO SCHEDULE OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER
(Continued)

3 - AMORTIZATION (Continued)

Change in Assumptions (in thousands, excluding the recognition period):

<u>Measurement date June 30</u>	<u>2017</u>	<u>2021</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>	<u>Total</u>
Amount	\$ (320)	\$ 1,375			
Recognition period (years)	6.31	7.59			
Amount recognized in					
fiscal year:					
2017	\$ (51)	\$ -	\$ -	\$ (51)	\$ (51)
2018	(51)	-	-	(51)	(51)
2019	(51)	-	-	(51)	(51)
2020	(51)	-	-	(51)	(51)
2021	(51)	182	182	(51)	131
2022	(51)	182	182	(51)	131
2023	(14)	182	182	(14)	168
2024	-	182	182	-	182
2025	-	182	182	-	182
2026	-	182	182	-	182
2027	-	182	182	-	182
2028	-	101	101	-	101
Balance as of June 30:					
2017	\$ (269)	\$ -	\$ -	\$ (269)	\$ (269)
2018	(218)	-	-	(218)	(218)
2019	(167)	-	-	(167)	(167)
2020	(116)	-	-	(116)	(116)
2021	(65)	1,193	1,193	(65)	1,128
2022	(14)	1,011	1,011	(14)	997
2023	-	829	829	-	829
2024	-	647	647	-	647
2025	-	465	465	-	465
2026	-	283	283	-	283
2027	-	101	101	-	101

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS
RETIREMENT SYSTEM

NOTES TO SCHEDULE OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER
(Continued)

4 - PENSION EXPENSE

The components of pension expense (offset) for the year ended June 30, 2021 (in thousands):

Service cost	\$	2,343
Interest cost		812
Projected earnings on plan investments		(1,268)
Employee contributions		(2,158)
Recognition of current period deferred outflows/inflows:		
Changes in assumptions		182
Differences between expected and actual experience		44
Differences between projected and actual investment earnings		(779)
Recognition of prior years' deferred outflows/inflows:		
Changes in assumptions		(51)
Differences between expected and actual experience		92
Differences between projected and actual investment earnings		78
Other changes in fiduciary net position		<u>(68)</u>
Total pension expense (offset)	\$	<u><u>(773)</u></u>

5 - NET PENSION ASSET (LIABILITY) AND ACTUARIAL INFORMATION

The net pension asset (liability) is the portion of the actuarial present value of projected benefit payments related to past periods, net of the fiduciary net position.

The components of the net pension asset as of June 30, 2021, are as follows (in thousands):

Total Pension Liability	\$	(13,184)
Fiduciary Net Position		<u>24,098</u>
Net Pension Asset (Liability)	\$	<u><u>10,914</u></u>
 Fiduciary Net Position as a percent of Total Pension Liability		 182.78%

WEST VIRGINIA MUNICIPAL POLICE OFFICERS AND FIREFIGHTERS
RETIREMENT SYSTEM

NOTES TO SCHEDULE OF EMPLOYER ALLOCATIONS AND
PENSION AMOUNTS BY EMPLOYER
(Continued)

5 – NET PENSION ASSETS (LIABILITY) AND ACTUARIAL INFORMATION (Continued)

The total pension liabilities for financial reporting purposes were determined by actuarial valuation as of July 1, 2020 and rolled forward to June 30, 2021 using the actuarial assumptions and methods described, as follows:

Actuarial cost method	Individual entry age normal cost with level percentage of payroll
Asset valuation method	Fair value
Amortization method	Level dollar, fixed period
Amortization Period	n/a
Actuarial assumptions:	
Investment rate of return	7.25%, net of investment expense
Projected salary increases	By age from 4.75% at age 30; declining to 3.25% at age 65
Inflation rate	2.75%
Discount rate	7.25%
 Mortality rates	 <i>Active</i> - 100% of Pub-2010 Safety Employee Table, Amount-weighted, projected generationallywith Scale MP-2020 <i>Healthy Male Retirees</i> - 98% of Pub-2010 Safety Retiree Male Table, Amount-weighted, projected generationallywith Scale MP-2020 <i>Healthy Female Retirees</i> - 99% of Pub-2010 Safety Retiree Female Table, Amount-weighted, projected generationallywith Scale MP-2020 <i>Disabled Males</i> - 124% of Pub-2010 Safety Disabled Male Table, Amount-weighted, projected generationallywith Scale MP-2020 <i>Disabled Females</i> - 100% of Pub-2010 Safety Disabled Female Table, Amount-weighted, projected generationallywith Scale MP-2020
 Withdrawal rates	 3.00% - 21.00%
Disability rates	0.03% - 0.40%
Retirement rates	25% - 100%
 Date range of most recent experience study	 2015 - 2020

6 – SENSITIVITY OF THE NET PENSION ASSET (LIABILITY) TO CHANGE IN THE DISCOUNT RATE (in thousands)

	1% Decrease (6.25%)	Current Discount Rate (7.25%)	1% Increase (8.25%)
<u>Sensitivity of Discount Rate</u>	<u> </u>	<u> </u>	<u> </u>
Net pension asset (liability)	<u>\$ 7,351</u>	<u>\$ 10,914</u>	<u>\$ 13,595</u>