

**Employer Proportionate Share Allocations**  
**Game Wardens' and Peace Officers' Retirement System**  
**- Cost Sharing Plan**  
for the year ending June 30

	Contributions for Fiscal Year Ending June 30, 2021			Net Pension Liability as of June 30, 2021		Net Pension Liability as of June 30, 2020	
	Member Rate	Employer Rate	Employer Contribution	Net Pension Liability - Employer	Employer Proportion based on Employer Contributions	Net Pension Liability - Employer	Employer Proportion based on Employer Contributions
<b>Total ALL Employers</b>			\$ 5,412,007	\$ 32,457,945	100.000000%	\$ 135,159,982	100.000000%
<b>Employer</b>							
6802 DEPARTMENT OF CORRECTIONS	10.56%	9.00%	3,902,154	23,402,759	72.101788%	94,954,185	70.253179%
6667 DEPARTMENT OF FISH, WILDLIFE & PARKS	10.56%	9.00%	665,757	3,992,807	12.301477%	17,585,095	13.010578%
6712 DEPARTMENT OF LIVESTOCK	10.56%	9.00%	169,930	1,019,139	3.139874%	4,169,831	3.085108%
6689 DEPARTMENT OF TRANSPORTATION	10.56%	9.00%	435,409	2,611,317	8.045233%	11,593,109	8.577324%
6439 LEGISLATIVE COUNCIL	10.56%	9.00%	1,464	8,781	0.027053%	-	0.000000%
6647 MONTANA STATE UNIVERSITY - BILLINGS	10.56%	9.00%	38,516	230,995	0.711673%	1,048,238	0.775553%
6645 MONTANA STATE UNIVERSITY - BOZEMAN	10.56%	9.00%	111,612	669,378	2.062295%	3,411,265	2.523872%
6644 UNIVERSITY OF MONTANA	10.56%	9.00%	87,166	522,770	1.610606%	2,398,259	1.774386%

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Deferred Outflows of Resources as of June 30, 2021								
	Difference Between Expected and Actual Experience	Net Difference Between Projected Actual Investment and Actual Investment Earnings of Pension Plan Investments	Change of Assumptions	Total Collective Deferred Outflows	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Outflows of Resources	To be filled in by Employer Employer Contributions Subsequent to the Measurement Date	
<b>Total ALL Employers</b>	\$ 4,651,255	\$ -	\$ 51,580,289	\$ 56,231,544	\$ 923,636	\$ 57,155,180		
<b>Employer</b>								
6802 DEPARTMENT OF CORRECTIONS	3,353,638	-	37,190,311	40,543,949	874,844	41,418,792	#	
6667 DEPARTMENT OF FISH, WILDLIFE & PARKS	572,173	-	6,345,138	6,917,311	-	6,917,311	#	
6712 DEPARTMENT OF LIVESTOCK	146,044	-	1,619,556	1,765,600	37,546	1,803,146	#	
6689 DEPARTMENT OF TRANSPORTATION	374,204	-	4,149,755	4,523,959	-	4,523,959	#	
6439 LEGISLATIVE COUNCIL	1,258	-	13,954	15,212	11,246	26,458	#	
6647 MONTANA STATE UNIVERSITY - BILLINGS	33,102	-	367,083	400,185	-	400,185	#	
6645 MONTANA STATE UNIVERSITY - BOZEMAN	95,923	-	1,063,738	1,159,660	-	1,159,660	#	
6644 UNIVERSITY OF MONTANA	74,913	-	830,755	905,669	-	905,669	#	

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	Deferred Inflows of Resources as of June 30, 2021						Pension Expense as of June 30, 2021		
	Difference Between Expected and Actual Experience	Net Difference Between Projected Actual Investment and Actual Investment Earnings of Pension Plan Investments	Change of Assumptions	Total Collective Deferred Inflows	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Employer Pension Expense
<b>Total ALL Employers</b>	\$ 3,107,330	\$ 27,526,703	\$ 51,516,187	\$ 82,150,220	\$ 923,636	\$ 83,073,856	\$ 5,657,159	\$ 0	\$ 5,657,159
<b>Employer</b>									
6802 DEPARTMENT OF CORRECTIONS	2,240,440	19,847,245	37,144,092	59,231,778	-	59,231,778	4,078,913	295,634	4,374,546
6667 DEPARTMENT OF FISH, WILDLIFE & PARKS	382,247	3,386,191	6,337,252	10,105,691	429,715	10,535,406	695,914	(121,262)	574,652
6712 DEPARTMENT OF LIVESTOCK	97,566	864,304	1,617,543	2,579,413	-	2,579,413	177,628	32,326	209,953
6689 DEPARTMENT OF TRANSPORTATION	249,992	2,214,587	4,144,597	6,609,177	191,497	6,800,674	455,132	(82,977)	372,155
6439 LEGISLATIVE COUNCIL	841	7,447	13,937	22,224	-	22,224	1,530	3,749	5,279
6647 MONTANA STATE UNIVERSITY - BILLINGS	22,114	195,900	366,627	584,641	32,266	616,907	40,260	(14,949)	25,312
6645 MONTANA STATE UNIVERSITY - BOZEMAN	64,082	567,682	1,062,416	1,694,180	160,193	1,854,373	116,667	(69,861)	46,807
6644 UNIVERSITY OF MONTANA	50,047	443,347	829,723	1,323,116	109,964	1,433,081	91,115	(42,659)	48,455

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	Recognition of Deferred Outflows and Deferred Inflows as of June 30, 2021					Sensitivity of Employer's Proportionate Share of the Net Pension Liability as of June 30, 2021		
	2022	2023	2024	2025	Future Year Deferrals	1% Decrease 6.06%	Discount Rate 7.06%	1% Increase 8.06%
<b>Total ALL Employers</b>	\$ (5,443,054)	\$ (5,991,111)	\$ (5,794,394)	\$ (8,690,117)	\$ -	\$ 78,998,830	\$ 32,457,945	\$ (5,418,550)
<b>Employer</b>								
6802 DEPARTMENT OF CORRECTIONS	\$ (3,653,425)	\$ (4,036,264)	\$ (3,857,567)	\$ (6,265,730)	\$ -	56,959,569	23,402,759	(3,906,871)
6667 DEPARTMENT OF FISH, WILDLIFE & PARKS	\$ (798,101)	\$ (878,678)	\$ (872,304)	\$ (1,069,013)	\$ -	9,718,023	3,992,807	(666,562)
6712 DEPARTMENT OF LIVESTOCK	\$ (147,253)	\$ (181,021)	\$ (175,135)	\$ (272,859)	\$ -	2,480,464	1,019,139	(170,136)
6689 DEPARTMENT OF TRANSPORTATION	\$ (502,027)	\$ (532,413)	\$ (543,135)	\$ (699,140)	\$ -	6,355,640	2,611,317	(435,935)
6439 LEGISLATIVE COUNCIL	\$ 2,276	\$ 2,128	\$ 2,181	\$ (2,351)	\$ -	21,372	8,781	(1,466)
6647 MONTANA STATE UNIVERSITY - BILLINGS	\$ (50,919)	\$ (55,314)	\$ (48,644)	\$ (61,845)	\$ -	562,214	230,995	(38,562)
6645 MONTANA STATE UNIVERSITY - BOZEMAN	\$ (168,490)	\$ (177,486)	\$ (169,521)	\$ (179,216)	\$ -	1,629,189	669,378	(111,746)
6644 UNIVERSITY OF MONTANA	\$ (125,114)	\$ (132,065)	\$ (130,270)	\$ (139,964)	\$ -	1,272,360	522,770	(87,271)

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	Schedule of Employer's Proportionate Share of the Net Pension Liability as of June 30, 2021				Schedule of Employer Contributions as of June 30, 2021					
	Net Pension Liability Employer	Employer's Covered Payroll	Employer's Proportionate Share as a % of Covered Payroll	Plan Fiduciary Net Position as a % of Total Pension Liability	Contractually Required Contribution	Contributions in Relation to the Contractually Required Contributions	Contribution Deficiency (Excess)	Employer's Covered Payroll	Contributions as % Covered Payroll	
<b>Total ALL Employers</b>	\$ 32,457,945	\$ 60,022,906			\$ 5,411,275	\$ 5,411,275	\$ -	\$ 60,022,906	9.02%	
<b>Employer</b>										
6802 DEPARTMENT OF CORRECTIONS	23,402,759	43,280,386	54.07%	89.39%	3,902,154	3,902,154	-	43,280,386	9.02%	
6667 DEPARTMENT OF FISH, WILDLIFE & PARKS	3,992,807	7,386,049	54.06%	89.39%	665,757	665,757	-	7,386,049	9.01%	
6712 DEPARTMENT OF LIVESTOCK	1,019,139	1,885,244	54.06%	89.39%	169,930	169,930	-	1,885,244	9.01%	
6689 DEPARTMENT OF TRANSPORTATION	2,611,317	4,830,523	54.06%	89.39%	435,409	435,409	-	4,830,523	9.01%	
6439 LEGISLATIVE COUNCIL	8,781	8,121	108.12%	89.39%	732	732	-	8,121	9.01%	
6647 MONTANA STATE UNIVERSITY - BILLINGS	230,995	427,303	54.06%	89.39%	38,516	38,516	-	427,303	9.01%	
6645 MONTANA STATE UNIVERSITY - BOZEMAN	669,378	1,238,241	54.06%	89.39%	111,612	111,612	-	1,238,241	9.01%	
6644 UNIVERSITY OF MONTANA	522,770	967,037	54.06%	89.39%	87,166	87,166	-	967,037	9.01%	

# Public Employees' Retirement Board (PERB)

A Component Unit of the State of Montana

Game Wardens' and Peace Officers' Retirement System (GWPORS)

Notes to the Employer Proportionate Share Allocations

June 30, 2022

The Schedule of Employer Proportionate Share Allocations provides the required information under GASB Statement 68 for the GWPORS Multiple-Employer, Cost Sharing Plan (the Plan). The individual participating employers should use this information along with fiscal year 2022 contribution data to prepare financial reports in accordance with GASB Statement 68.

GASB Statement 68 allows a measurement date of up to 12 months before the employer's fiscal year-end. The schedules provided with this report are for employers who are using a June 30, 2021 measurement date for their 2022 reporting.

As allowed by GASB Statement 68, the basis for the total pension liability as of June 30, 2021, was determined by taking the results of the June 30, 2020 actuarial valuation and applying standard roll forward procedures. The roll forward procedure uses a calculation that adds the annual normal cost (also called the service cost), subtracts the actual benefit payments and refunds for the plan year, and then applies the expected investment rate of return for the year. The update procedures are in conformity with Actuarial Standards of Practice issued by the Actuarial Standards Board.

## Employer Proportionate Share Allocations

Under the direction and oversight of the Public Employees' Retirement Board (PERB), Cavanaugh Macdonald Consulting LLC prepared the schedule and calculated the total pension liability; however, responsibility for the schedule remains with the Montana Public Employee Retirement Administration (MPERA) management, staff of the PERB. The Employer Proportionate Share Allocations schedule was extracted from the GASB 68 Report, with totals for all employer-contributing entities at the top of each page.

The financial statements of the PERB *Annual Comprehensive Financial Report* (ACFR) and the GASB 68 Report disclose the Plan's fiduciary net position. Both reports are available on the MPERA website at: <https://mpera.mt.gov/about/annualreports1/annualreports>.

## Assumptions

The calculations in the GASB 68 Report used the same facts and assumptions found in the FY2020 GWPORS Actuary Valuation report, except for the change in assumptions to measure the Total Pension Liability (TPL) described on next page. The Summary of Results for the pension plan, which includes financial statement information and membership information; Actuarial Procedures and Methods; and Summary of Benefit Provisions are contained in the report. The Actuary Valuation report may be viewed on MPERA's website at: <https://mpera.mt.gov/about/annualreports1/valuations>.

### Change in actuarial assumptions

The changes to the actuarial assumptions to measure the TPL are:

- The discount rate was increased from 5.65% to 7.06%.
- The investment rate of return was lowered from 7.34% to 7.06%.

### Employer Proportionate Share Allocations - Contributions

The schedule, on page 1, provides information on the measurement date (FY2021) regarding the contribution percentages and contribution amounts for individual employers.

State law defines contributions to the Plan as a percentage of salary and is consistent for all employers. The Plan's actuarial assumptions reflect the current demographics of all employers, along with the employer's expected long-term contribution effort to the Plan in relation to other employers.

### Employer Proportionate Share Allocations - Net Pension Liability

The schedule, on page 1, provides the proportionate share and the net pension liability for the employers for fiscal years 2020 and 2021. The calculation of proportionate share used actual contributions made to the Plan during the measurement period (FY2021). The net pension liability component used the proportionate share allocation of the collective pension amounts for the employers.

The ratio of employer's contributions to total contributions from all employers equals the employer's proportionate share.

### Employer Proportionate Share Allocations - Deferred Outflows and Deferred Inflows

Presented on pages 2-3 are the Deferred Outflows and Deferred Inflows by source. Since the amortization of certain expense items are over closed periods each year, the deferred portions of these items must be tracked annually. If they increased pension expense, they are labeled deferred outflows. If the amounts reduced pension expense, they are labeled deferred inflows. The amortization of amounts is calculated on a level dollar basis, with no interest included in the deferred amounts. The Total Collective Deferred Outflows and Total Collective Deferred Inflows columns are for audit purposes as the audit provides assurance of the total collective deferrals, not the individual components of the deferred items. The total collective deferred amounts in the schedule are not inclusive of the changes in proportion and differences between employer contributions and proportionate share of contributions. The total collective deferred outflows are also not inclusive of the employer contributions subsequent to the measurement date. The number signs (#) displayed in the column indicates the employer must obtain and enter this information for their FY2022 reporting. Employers should report the changes in proportion and differences between employer contributions and proportionate share of contributions and the employer contributions subsequent to the measurement date, as applicable.

### Employer Proportionate Share Allocations - Pension Expense

Pages 2-3 lists the amount of Pension Expense. Pension expense includes amounts for service cost (the annual normal cost under the entry age normal actuarial cost method), interest on the total pension liability, changes in benefit structure, amortization of increases/decreases in liability due to actuarial experience and actuarial assumption changes, and amortization of investment gains/losses.

The unrecognized portion of each year's experience, assumption changes and investment gains/losses are used to develop deferred outflows and inflows, which must be included in the employer's financial statements.

#### Gains, Losses and Assumption Changes

The experience gains or losses are the portion of current year change in total pension liability due to actual versus expected experience for the year. The portion recognized in the current year was determined by spreading the total change, including any assumption change impacts, over the average expected remaining service life of the entire Plan membership. The average expected remaining service life was estimated at four years. Investment gains and losses are recognized over five years.

For FY2022 reporting, there was a total actuarial experience loss. This total loss is a result of a loss in the financial experience. There were no benefit, contribution, or method changes since the previous valuation.

The assumptions and methods utilized in the June 30, 2020 valuation, were developed in the six-year experience study for the period ending June 30, 2016.

#### Employer Notes and Disclosures

As required by GASB Statement 68, the information on pages 4-5 of the Employer Proportionate Share Allocations schedule are for the employer's use in their notes and required supplementary information disclosures. The Recognition of Deferred Outflows and Deferred Inflows are on page 4; the Sensitivity of Employer's Proportionate Share of the Net Pension Liability on page 4 shows the sensitivity of the net pension liability to the discount rate. A small change in the discount rate can create a significant change in the net pension liability. Listed on page 5, the Schedule of Employer's Proportionate Share of the Net Pension Liability for 2021 includes the Employer's Covered Payroll and the ratios of the Employer's Proportionate Share as a percent of Covered Payroll and the Plan Fiduciary Net Position as a percent of Total Pension Liability. Page 5, the Schedule of Employer Contributions includes the Contractually Required Contribution, the Contributions in Relation to the Contractually Required Contributions, and the Contribution Deficiency (Excess). The final columns present the Employer's Covered Payroll and the Contributions as a percent of Covered Payroll.