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Required Supplementary Information

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State of Washington

BUDGETARY COMPARISON SCHEDULES

General Fund

For the Fiscal Year Ended June 30, 2020

(expressed in thousands)

	Original Budget 2019-21 Biennium	Final Budget 2019-21 Biennium	Actual 2019-21 Biennium	Variance with Final Budget
Budgetary Fund Balance, July 1, as restated	\$ 3,265,160	\$ 3,265,160	\$ 3,265,160	\$ —
Resources				
Taxes	48,881,435	44,702,947	23,366,236	(21,336,711)
Licenses, permits, and fees	245,094	254,886	137,138	(117,748)
Other contracts and grants	903,905	876,284	325,895	(550,389)
Timber sales	7,740	8,241	4,559	(3,682)
Federal grants-in-aid	25,740,835	26,619,334	12,456,043	(14,163,291)
Charges for services	111,396	111,197	50,340	(60,857)
Investment income (loss)	92,309	67,521	39,244	(28,277)
Miscellaneous revenue	504,520	484,822	195,943	(288,879)
Unclaimed property	178,743	208,584	110,410	(98,174)
Transfers from other funds	2,087,173	2,116,426	1,008,686	(1,107,740)
Total Resources	82,018,310	78,715,402	40,959,654	(37,755,748)
Charges To Appropriations				
General government	4,666,396	5,055,678	2,472,374	2,583,304
Human services	40,112,938	41,554,134	19,479,551	22,074,583
Natural resources and recreation	902,718	968,834	424,741	544,093
Transportation	150,242	155,489	67,144	88,345
Education	31,757,555	31,122,516	14,884,953	16,237,563
Capital outlays	1,050,822	1,061,795	158,782	903,013
Transfers to other funds	851,816	868,339	522,225	346,114
Total Charges To Appropriations	79,492,487	80,786,785	38,009,770	42,777,015
Excess Available For Appropriation Over (Under) Charges To Appropriations	2,525,823	(2,071,383)	2,949,884	5,021,267
Reconciling Items				
Bond sale proceeds	375,491	379,030	97,409	(281,621)
Issuance premiums	—	—	1,272	1,272
Assumed reversions	353,704	420,086	—	(420,086)
Working capital adjustment	—	—	(447,000)	(447,000)
Noncash activity (net)	—	—	81,292	81,292
Nonappropriated fund balances	—	—	184,581	184,581
Changes in reserves (net)	—	—	118,320	118,320
Total Reconciling Items	729,195	799,116	35,874	(763,242)
Budgetary Fund Balance, June 30	\$ 3,255,018	\$ (1,272,267)	\$ 2,985,758	\$ 4,258,025

The separately submitted report that demonstrates compliance at a legal level of budgetary control is traceable to the Schedule of Revenues, Expenditures and Other Financing Sources (Uses) - Budget and Actual found in the Individual Fund Schedules section.

BUDGETARY COMPARISON SCHEDULES

General Fund - Budget to GAAP Reconciliation

For the Fiscal Year Ended June 30, 2020

(expressed in thousands)

Sources/Inflows of Resources

Actual amounts (budgetary basis) "Total Resources"		
from the Budgetary Comparison Schedule	\$	40,959,654
Differences - budget to GAAP:		
The following items are inflows of budgetary resources but are not revenue for financial reporting purposes:		
Transfers from other funds		(1,008,686)
Budgetary fund balance at the beginning of the biennium, as restated		(3,265,160)
Appropriated loan principal repayment		(129)
The following items are not inflows of budgetary resources but are revenue for financial reporting purposes:		
Noncash commodities and electronic food stamp benefits		1,452,860
Revenues collected for other governments		129,850
Unanticipated receipts		602,834
Noncash revenues		7,235
Other		57,755
Biennium total revenues		<u>38,936,213</u>
Nonappropriated activity		<u>41,197</u>
Total Revenues (GAAP Basis) as reported on the Statement of Revenues, Expenditures, and Changes in Fund Balances - Governmental Funds	\$	<u><u>38,977,410</u></u>

Uses/Outflows of Resources

Actual amounts (budgetary basis) "Total Charges to Appropriations"		
from the Budgetary Comparison Schedule	\$	38,009,770
Differences - budget to GAAP:		
The following items are outflows of budgetary resources but are not expenditures for financial reporting purposes:		
Appropriated transfers to other funds		(1,808,559)
Other transfers to other funds		(522,225)
Appropriated loan disbursements		(17)
The following items are not outflows of budgetary resources but are recorded as current expenditures for financial reporting purposes:		
Noncash commodities and electronic food stamp benefits		1,452,860
Distributions to other governments		129,850
Certificates of participation and capital lease acquisitions		11,640
Expenditures related to unanticipated receipts		602,834
Other		6,981
Biennium total expenditures		<u>37,883,134</u>
Nonappropriated activity		<u>432,321</u>
Total expenditures (GAAP basis) as reported on the Statement of Revenues, Expenditures, and Changes in Fund Balance - Governmental Funds	\$	<u><u>38,315,455</u></u>

State of Washington

BUDGETARY COMPARISON SCHEDULES

Higher Education Special Revenue Fund

For the Fiscal Year Ended June 30, 2020

(expressed in thousands)

	Original Budget 2019-21 Biennium	Final Budget 2019-21 Biennium	Actual 2019-21 Biennium	Variance with Final Budget
Budgetary Fund Balance, July 1, as restated	\$ 1,325,579	\$ 1,325,579	\$ 1,325,579	\$ —
Resources				
Taxes	1,018,660	1,797,896	904,811	(893,085)
Investment income (loss)	6,404	489	22,648	22,159
Miscellaneous revenue	1,771	1,822	—	(1,822)
Transfers from other funds	182,160	190,350	96,764	(93,586)
Total Resources	2,534,574	3,316,136	2,349,802	(966,334)
Charges To Appropriations				
General government	432	432	201	231
Human services	37,977	37,977	16,393	21,584
Education	2,196,099	2,775,370	1,328,779	1,446,591
Transfers to other funds	30,175	30,834	16,764	14,070
Total Charges To Appropriations	2,264,683	2,844,613	1,362,137	1,482,476
Excess Available For Appropriation Over (Under) Charges To Appropriations	269,891	471,523	987,665	516,142
Reconciling Items				
Working Capital Adjustment	—	—	14,669	14,669
Noncash activity (net)	—	—	9,316	9,316
Nonappropriated fund balances	—	—	2,910,023	2,910,023
Changes in reserves (net)	—	—	(45,461)	(45,461)
Total Reconciling Items	—	—	2,888,547	2,888,547
Budgetary Fund Balance, June 30	\$ 269,891	\$ 471,523	\$ 3,876,212	\$ 3,404,689

BUDGETARY COMPARISON SCHEDULES

Higher Education Special Revenue Fund - Budget to GAAP Reconciliation

For the Fiscal Year Ended June 30, 2020

(expressed in thousands)

Sources/Inflows of Resources

Actual amounts (budgetary basis) "Total Resources"	
from the Budgetary Comparison Schedule	\$ 2,349,802
Differences - budget to GAAP:	
The following items are inflows of budgetary resources but are not revenue for financial reporting purposes:	
Transfers from other funds	(96,764)
Budgetary fund balance at the beginning of the biennium, as restated	(1,325,579)
The following items are not inflows of budgetary resources but are revenue for financial reporting purposes:	
Noncash revenues	2
Biennium total revenues	927,461
Nonappropriated activity	6,087,067
Total Revenues (GAAP Basis) as reported on the Statement of Revenues, Expenditures, and Changes in Fund Balances - Governmental Funds	\$ 7,014,528

Uses/Outflows of Resources

Actual amounts (budgetary basis) "Total Charges to Appropriations"	
from the Budgetary Comparison Schedule	\$ 1,362,137
Differences - budget to GAAP:	
The following items are outflows of budgetary resources but are not expenditures for financial reporting purposes:	
Appropriated transfers to other funds	(91,985)
Other transfers to other funds	(16,764)
Biennium total expenditures	1,253,388
Nonappropriated activity	5,768,278
Total expenditures (GAAP basis) as reported on the Statement of Revenues, Expenditures, and Changes in Fund Balance - Governmental Funds	\$ 7,021,666

BUDGETARY INFORMATION
Notes to Required Supplementary Information

GENERAL BUDGETARY POLICIES AND PROCEDURES

The Governor is required to submit a budget to the Legislature no later than December 20 of the year preceding odd-numbered year sessions of the Legislature.

The budget is a proposal for expenditures in the ensuing biennial period based upon anticipated revenues from the sources and rates existing by law at the time of submission of the budget. The Governor may additionally submit, as an appendix to the budget, a proposal for expenditures in the ensuing biennium from revenue sources derived from proposed changes in existing statutes.

The appropriated budget and any necessary supplemental budgets are legally required to be adopted through the passage of appropriation bills by the Legislature and approved by the Governor. Operating appropriations are generally made at the fund/account and agency level; however, in a few cases, appropriations are made at the fund/account and agency/program level. Operating appropriations cover either the entire biennium or a single fiscal year in the biennium. Capital appropriations are biennial and are generally made at the fund/account, agency, and project level.

The legal level of budgetary control is at the fund/account, agency, and appropriation level, with administrative controls established at lower levels of detail in certain instances. The accompanying budgetary schedule is not presented at the legal level of budgetary control. This is due to the large number of appropriations within individual agencies that would make such a

presentation in the accompanying financial schedule extremely cumbersome. Section 2400.121 of the Governmental Accounting Standards Board Codification of Governmental Accounting and Financial Reporting Standards provides for the preparation of a separate report in these extreme cases.

For the state of Washington, a separate report has been prepared for the 2019-21 biennium to illustrate legal budgetary compliance. Appropriated budget versus actual expenditures, and estimated versus actual revenues and other financing sources (uses) for appropriated funds/accounts at agency and appropriation level are presented in the Budget-to-Actual Detail Report for governmental funds. The report is available on line at [https://ofm.wa.gov/sites/default/files/public/accounting/report/CAFR/2020/Washington State Budget to Actual Detail Report.pdf](https://ofm.wa.gov/sites/default/files/public/accounting/report/CAFR/2020/Washington%20State%20Budget%20to%20Actual%20Detail%20Report.pdf).

Legislative appropriations are strict legal limits on expenditures; over-expenditures are prohibited. All appropriated and certain nonappropriated funds/accounts are further controlled by the executive branch through the allotment process. This process allocates the expenditure plan into monthly allotments by program, source of funds, and object of expenditure. State law does not preclude the over-expenditure of allotments.

Proprietary funds/accounts can earn revenues and incur expenses (i.e., depreciation or cost of goods sold) not covered by the allotment process. Budget estimates are generally made outside the allotment process according to prepared business plans. These proprietary fund/account business plan estimates are adjusted only at the beginning of each fiscal year.

Additional fiscal control is exercised through various means. The Office of Financial Management is authorized to estimate revenue and make expenditure allotments based on availability of unanticipated receipts, mainly federal government grant increases made during a fiscal year.

Operating encumbrances lapse at the end of the applicable appropriation. Capital outlay encumbrances lapse at the end of the biennium unless reappropriated by the Legislature in the ensuing biennium. Encumbrances outstanding against continuing appropriations at fiscal year-end are reported as restricted, committed, or assigned fund balance.

Budgetary Reporting vs. GAAP Reporting

Governmental funds are budgeted materially in conformance with generally accepted accounting principles. However, the presentation in the

accompanying budgetary schedules is different in certain respects from the corresponding Statements of Revenues, Expenditures, and Changes in Fund Balance (governmental operating statement). In the accompanying budgetary schedules, budget and actual expenditures are reported only for appropriated activities. Expenditures are classified based on whether the appropriation is from the operating or capital budget. Expenditures funded by operating budget appropriations are reported as current expenditures classified by the function of the agency receiving the appropriation. Expenditures funded by capital budget appropriations are reported as capital outlays.

However, in the governmental operating statements, all governmental funds are included and expenditures are classified according to what was actually purchased. Capital outlays are capital asset acquisitions such as land, buildings, and equipment. Debt service expenditures are principal and interest payments. Current expenditures are all other governmental fund expenditures classified based on the function of the agency making the expenditures.

Certain governmental activities are excluded from the budgetary schedules because they are not appropriated. These include activities designated as nonappropriated by the Legislature. Nonappropriated activities can represent a portion of a fund such as the Higher Education Special Revenue Fund or all of a fund such as the Higher Education Endowment and Tobacco Settlement Securitization Bond Debt Service Funds. Additionally, certain items including federal surplus food commodities, electronic food stamp benefits, and resources collected and distributed to other governments are also excluded because they are not appropriated.

Further, certain expenditures are appropriated as operating transfers. These transfers are reported as operating transfers on the budgetary schedules and as expenditures on the governmental operating statements.

In the General Fund, Budgetary Fund Balance equals restricted fund balance reduced by a portion that is not available for budgeting, committed, and unassigned fund balances as reported on the Governmental Funds Balance Sheet. In the Higher Education Special Revenue Fund, Budgetary Fund Balance equals the sum of restricted and committed fund balance as reported on the Governmental Funds Balance Sheet. In all other funds except Wildlife and Natural Resources, Budgetary Fund Balance equals total fund balance less nonspendable fund balance as reported on the Governmental Funds Balance Sheet. The Budgetary Fund Balance in the Wildlife and Natural Resources fund is further reduced by a portion of restricted fund balance that is not available for budgeting.

State of Washington

PENSION PLAN INFORMATION
Single Employer Plans

Schedule of Changes in Net Pension Liability and Related Ratios
Washington State Patrol Retirement System - Plan 1/2

Last Seven Measurement Years *
(expressed in thousands)

	2019	2018	2017
Total Pension Liability			
Service cost	\$ 22,671	\$ 21,083	\$ 18,474
Interest	96,629	94,569	90,560
Changes of benefit terms	—	—	4,830
Differences between expected and actual experience	4,254	13,974	23,702
Changes in assumptions	—	(24,367)	20,921
Benefit payments, including refunds of member contributions	(64,370)	(59,634)	(56,821)
Net Change in Total Pension Liability	59,184	45,625	101,666
Total Pension Liability - Beginning	1,314,734	1,269,109	1,167,443
Total Pension Liability - Ending	\$ 1,373,918	\$ 1,314,734	\$ 1,269,109
Plan Fiduciary Net Position			
Contributions - employer	\$ 14,700	\$ 14,203	\$ 7,587
Contributions - employee	10,744	9,922	10,454
Net investment income	111,123	113,597	151,021
Benefit payments, including refunds of employee contributions	(64,370)	(59,634)	(56,821)
Administrative expense	(131)	(131)	(53)
Other	769	650	524
Net Change in Plan Fiduciary Net Position	72,835	78,607	112,712
Plan Fiduciary Net Position - Beginning	1,289,446	1,210,839	1,098,127
Plan Fiduciary Net Position - Ending	\$ 1,362,281	\$ 1,289,446	\$ 1,210,839
State's Net Pension Liability/(Asset) - Ending	\$ 11,637	\$ 25,288	\$ 58,270
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability /(Asset)	99.15 %	98.08 %	95.41 %
Covered Payroll	\$ 111,612	\$ 109,243	\$ 93,053
State's Net Pension Liability/(Asset) as a Percentage of Covered Payroll	10.43 %	23.15 %	62.62 %

N/A indicates not available.

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary.

State of Washington

	2016		2015		2014		2013
\$	16,534	\$	16,633	\$	18,041		N/A
	83,373		80,037		75,249		N/A
	1,947		2,258		—		N/A
	(10,431)		8,883		—		N/A
	2		17		—		N/A
	(54,159)		(50,075)		(47,510)		N/A
	37,266		57,753		45,780		N/A
	1,130,177		1,072,424		1,026,644		N/A
\$	1,167,443	\$	1,130,177	\$	1,072,424	\$	1,026,644
\$	7,044	\$	6,679	\$	6,587		N/A
	8,895		6,323		6,555		N/A
	25,352		49,046		176,856		N/A
	(54,159)		(50,075)		(47,510)		N/A
	(60)		(67)		(84)		N/A
	429		293		509		N/A
	(12,499)		12,199		142,913		N/A
	1,110,626		1,098,427		955,514		N/A
\$	1,098,127	\$	1,110,626	\$	1,098,427	\$	955,514
\$	69,316	\$	19,551	\$	(26,003)	\$	71,130
	94.06 %		98.27 %		102.42%		93.07%
\$	86,660	\$	84,388	\$	85,046	\$	81,895
	79.99 %		23.17 %		-30.58%		86.86%

State of Washington

PENSION PLAN INFORMATION
Single Employer Plans

Schedule of Changes in Net Pension Liability and Related Ratios

Judicial Retirement System

Last Seven Measurement Years *

(expressed in thousands)

	2019	2018	2017
Total Pension Liability			
Service cost	\$ —	\$ —	\$ —
Interest	3,078	3,200	2,874
Changes of benefit terms	—	—	—
Differences between expected and actual experience	(1,793)	(2,844)	1,047
Changes in assumptions	2,372	(2,063)	(6,329)
Benefit payments, including refunds of employee contributions	(7,958)	(8,325)	(8,723)
Net Change in Total Pension Liability	(4,301)	(10,032)	(11,131)
Total Pension Liability - Beginning	83,479	93,511	104,642
Total Pension Liability - Ending	\$ 79,178	\$ 83,479	\$ 93,511
Plan Fiduciary Net Position			
Contributions - employer	\$ 8,400	\$ 8,700	\$ 9,300
Contributions - employee	—	—	—
Net investment income	166	80	45
Benefit payments, including refunds of employee contributions	(7,958)	(8,325)	(8,723)
Administrative expense	—	—	—
Other	—	—	—
Net Change in Plan Fiduciary Net Position	608	455	622
Plan Fiduciary Net Position - Beginning	7,852	7,397	6,775
Plan Fiduciary Net Position - Ending	\$ 8,460	\$ 7,852	\$ 7,397
State's Net Pension Liability/(Asset) - Ending	\$ 70,718	\$ 75,627	\$ 86,114
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability/(Asset)	10.68 %	9.41 %	7.91 %
Covered Payroll⁽¹⁾	N/A	N/A	N/A
State's Net Pension Liability/Asset as a Percentage of Covered Payroll	N/A	N/A	N/A

N/A indicates data not available.

1. Covered payroll is not applicable because there are no active plan employees beginning in 2014.

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

State of Washington

	2016		2015		2014		2013
\$	—	\$	—	\$	—		N/A
	3,704		4,382		4,319		N/A
	—		—		—		N/A
	20		1,590		—		N/A
	8,737		4,335		—		N/A
	(9,131)		(9,336)		(9,480)		N/A
	3,330		971		(5,161)		N/A
	101,312		100,341		105,502		N/A
\$	104,642	\$	101,312	\$	100,341	\$	105,502
\$	9,500	\$	10,600	\$	10,600		N/A
	—		—		—		N/A
	74		38		25		N/A
	(9,131)		(9,336)		(9,480)		N/A
	(1)		—		—		N/A
	—		—		—		N/A
	442		1,302		1,145		N/A
	6,333		5,031		3,886		N/A
\$	6,775	\$	6,333	\$	5,031	\$	3,886
\$	97,867	\$	94,979	\$	95,310	\$	101,616
	6.47 %		6.25 %		5.01%		3.68%
	N/A		N/A		N/A	\$	160
	N/A		N/A		N/A		635.10 %

State of Washington

PENSION PLAN INFORMATION
Single Employer Plans

Schedule of Changes in Net Pension Liability and Related Ratios

Judges' Retirement Fund

Last Seven Measurement Years *

(expressed in thousands)

	2019	2018	2017
Total Pension Liability			
Service cost	\$ —	\$ —	\$ —
Interest	89	95	88
Changes of benefit terms	—	—	—
Differences between expected and actual experience	161	(39)	194
Changes of assumptions	50	(43)	(129)
Benefit payments, including refunds of member contributions	(338)	(396)	(402)
Net Change in Total Pension Liability	(38)	(383)	(249)
Total Pension Liability - Beginning	2,465	2,848	3,097
Total Pension Liability - Ending	\$ 2,427	\$ 2,465	\$ 2,848
Plan Fiduciary Net Position			
Contributions--state	\$ 500	\$ 500	\$ 499
Contributions--member	—	—	—
Net investment income	17	8	4
Benefit payments, including refunds of member contributions	(338)	(396)	(402)
Administrative expense	—	—	—
Other	—	—	—
Net Change in Plan Fiduciary Net Position	179	112	101
Plan Fiduciary Net Position - Beginning	795	683	582
Plan Fiduciary Net Position - Ending	\$ 974	\$ 795	\$ 683
Plan's Net Pension Liability (Asset) - Ending	\$ 1,453	\$ 1,670	\$ 2,165
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability /(Asset)	40.13 %	32.25 %	23.98 %
Covered Payroll ⁽¹⁾	N/A	N/A	N/A
State's Net Pension Liability/(Asset) as a Percentage of Covered Payroll	N/A	N/A	N/A

N/A indicates data not available.

1. Covered payroll is not applicable because there are no active plan employees.

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

State of Washington

	2016		2015		2014		2013
\$	—	\$	—	\$	—		N/A
	116		138		137		N/A
	—		—		—		N/A
	123		182		—		N/A
	181		95		—		N/A
	(440)		(444)		(444)		N/A
	(20)		(29)		(307)		N/A
	3,117		3,146		3,453		N/A
\$	3,097	\$	3,117	\$	3,146	\$	3,453
\$	501	\$	—	\$	—		N/A
	—		—		—		N/A
	6		4		7		N/A
	(440)		(444)		(444)		N/A
	—		—		—		N/A
	—		—		—		N/A
	67		(440)		(437)		N/A
	515		955		1,392		N/A
\$	582	\$	515	\$	955	\$	1,392
\$	2,515	\$	2,602	\$	2,191	\$	2,061
	18.79%		16.52%		30.36%		40.31%
	N/A		N/A		N/A		N/A
	N/A		N/A		N/A		N/A

State of Washington

PENSION PLAN INFORMATION Single Employer Plans

Schedule of Contributions

Washington State Patrol Retirement System - Plan 1/2

Last Ten Fiscal Years

(expressed in thousands)

Year	Actuarially Determined Contributions	Contributions in Relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
2020	\$ 25,167	\$ 19,897	\$ 5,270	\$ 113,704	17.50 %
2019	17,020	14,700	2,320	111,612	13.17 %
2018	16,648	14,203	2,445	109,243	13.00 %
2017	8,179	7,587	592	93,053	8.15 %
2016	7,618	7,044	574	86,660	8.13 %
2015	6,810	6,679	131	84,388	7.91 %
2014	6,677	6,587	90	85,046	7.75 %
2013	2,500	6,478	(3,978)	81,895	7.91 %
2012	2,900	6,454	(3,554)	81,578	7.91 %
2011	2,300	5,251	(2,951)	81,882	6.41 %

Prior to 2014, the Annual Required Contribution amounts are presented for the Actuarially Determined Contributions.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

Schedule of Contributions

Judicial Retirement System

Last Ten Fiscal Years

(expressed in thousands)

Year	Actuarially Determined Contributions	Contributions in Relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
2020	\$ 7,643	\$ 7,800	\$ (157)	—	N/A
2019	7,914	8,400	(486)	—	N/A
2018	8,317	8,700	(383)	—	N/A
2017	8,761	9,300	(539)	—	N/A
2016	8,999	9,500	(501)	—	N/A
2015	9,132	10,600	(1,468)	—	N/A
2014	9,205	10,600	(1,395)	—	N/A
2013	21,700	10,112	11,588	160	6320.00 %
2012	22,600	8,131	14,469	407	1997.79 %
2011	18,600	10,906	7,694	611	1784.94 %

Contributions in relation to the Actuarially Determined Contributions are based on state contributions. Prior to 2014, the Annual Required Contribution amounts are presented for the Actuarially Determined Contributions.

N/A indicates data not available. Beginning in 2014, there are no active members.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

PENSION PLAN INFORMATION
Single Employer Plans

Schedule of Contributions
Judges' Retirement Fund

Last Ten Fiscal Years
(expressed in thousands)

Year	Actuarially Determined Contributions	Contributions in Relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
2020	\$ 328	\$ 400	\$ (72)	—	N/A
2019	395	500	(105)	—	N/A
2018	395	500	(105)	—	N/A
2017	439	499	(60)	—	N/A
2016	444	501	(57)	—	N/A
2015	539	—	539	—	N/A
2014	425	—	425	—	N/A
2013	400	—	400	—	N/A
2012	300	—	300	—	N/A
2011	100	—	100	—	N/A

Contributions in relation to the Actuarially Determined Contributions are based on state contributions. Prior to 2014, the Annual Required Contribution amounts are presented for the Actuarially Determined Contributions.

N/A indicates data not available. There are no active employees.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

State of Washington

PENSION PLAN INFORMATION
Cost Sharing Employer Plans

**Schedule of the State's Proportionate Share of the Net Pension Liability
Public Employees' Retirement System (PERS) Plan 1**

Last Six Measurement Years *

(expressed in thousands)

	2019	2018	2017	2016	2015	2014
State PERS Plan 1 employers' proportion of the net pension liability/(asset)	41.80 %	41.97 %	41.88 %	41.99 %	41.57 %	42.37 %
State PERS Plan 1 employers' proportionate share of the net pension liability/(asset)	\$1,607,475	\$1,874,226	\$1,987,268	\$2,255,244	\$2,174,623	\$2,134,189
Covered payroll of employees participating in PERS Plan 1	\$ 54,779	\$ 69,330	\$ 85,341	\$ 103,235	\$ 120,686	\$ 143,836
Covered payroll of employees participating in PERS Plan 2/3	5,469,217	5,237,495	4,928,806	4,648,843	4,363,171	4,215,934
Covered payroll of employees participating in PSERS Plan 2	321,991	198,511	175,395	155,768	140,977	130,172
Covered Payroll	\$5,845,987	\$5,505,336	\$5,189,542	\$4,907,846	\$4,624,834	\$4,489,942
State PERS Plan 1 employers' proportionate share of the net pension liability/(asset) as a percentage of its covered payroll	27.50 %	34.04 %	38.29 %	45.95 %	47.02 %	47.53 %
Plan fiduciary net position as a percentage of the total pension liability/(asset)	67.12 %	63.22 %	61.24 %	57.03 %	59.10 %	61.19 %

* This schedule is to be built prospectively until it contains ten years of data.

**Schedule of the State's Proportionate Share of the Net Pension Liability
Public Employees' Retirement System (PERS) Plan 2/3**

Last Six Measurement Years *

(expressed in thousands)

	2019	2018	2017	2016	2015	2014
State PERS Plan 2/3 employers' proportion of the net pension liability/(asset)	50.50 %	50.41 %	50.20 %	49.72 %	49.10 %	49.27 %
State PERS Plan 2/3 employers' proportionate share of the net pension liability/(asset)	\$ 490,544	\$ 860,776	\$1,744,067	\$2,503,313	\$1,754,418	\$ 995,856
State PERS Plan 2/3 employers' covered payroll	\$5,469,217	\$5,237,495	\$4,928,806	\$4,648,843	\$4,363,171	\$4,215,934
State PERS Plan 2/3 employers' proportionate share of the net pension liability/(asset) as a percentage of its covered payroll	8.97 %	16.43 %	35.39 %	53.85 %	40.21 %	23.62 %
Plan fiduciary net position as a percentage of the total pension liability/(asset)	97.77 %	95.77 %	90.97 %	85.82 %	89.20 %	93.29 %

* This schedule is to be built prospectively until it contains ten years of data.

State of Washington

PENSION PLAN INFORMATION

Cost Sharing Employer Plans

**Schedule of the State's Proportionate Share of the Net Pension Liability
Teachers' Retirement System (TRS) Plan 1**

Last Six Measurement Years *

(expressed in thousands)

	2019	2018	2017	2016	2015	2014
State TRS Plan 1 employers' proportion of the net pension liability/(asset)	1.09 %	1.10 %	1.03 %	0.97 %	0.86 %	0.78 %
State TRS Plan 1 employers' proportionate share of the net pension liability/(asset)	\$ 27,102	\$ 32,177	\$ 31,172	\$ 33,026	\$ 27,186	\$ 22,924
Covered payroll of employees participating in TRS Plan 1	\$ 1,557	\$ 1,893	\$ 2,475	\$ 5,735	\$ 3,913	\$ 4,611
Covered payroll of employees participating in TRS Plan 2/3	43,082	61,292	52,534	41,803	33,705	25,673
Covered Payroll	\$ 44,639	\$ 63,185	\$ 55,009	\$ 47,538	\$ 37,618	\$ 30,284
State TRS Plan 1 employers' proportionate share of the net pension liability/(asset) as a percentage of its covered payroll	60.71 %	50.93 %	56.67 %	69.47 %	72.27 %	75.70 %
Plan fiduciary net position as a percentage of the total pension liability/(asset)	70.37 %	66.52 %	65.58 %	62.07 %	65.70 %	68.77 %

* This schedule is to be built prospectively until it contains ten years of data.

**Schedule of the State's Proportionate Share of the Net Pension Liability
Teachers' Retirement System (TRS) Plan 2/3**

Last Six Measurement Years *

(expressed in thousands)

	2019	2018	2017	2016	2015	2014
State TRS Plan 2/3 employers' proportion of the net pension liability/(asset)	1.06 %	1.06 %	0.96 %	0.87 %	0.72 %	0.59 %
State TRS Plan 2/3 employers' proportionate share of the net pension liability/(asset)	\$ 6,389	\$ 4,757	\$ 8,873	\$ 11,896	\$ 6,107	\$ 1,913
State TRS Plan 2/3 employers' covered payroll	\$ 43,082	\$ 61,292	\$ 52,534	\$ 41,803	\$ 33,705	\$ 25,673
State PERS Plan 2/3 employers' proportionate share of the net pension liability/(asset) as a percentage of its covered payroll	14.83 %	7.76 %	16.89 %	28.46 %	18.12 %	7.45 %
Plan fiduciary net position as a percentage of the total pension liability/(asset)	96.36 %	96.88 %	93.14 %	88.72 %	92.48 %	96.81 %

* This schedule is to be built prospectively until it contains ten years of data.

State of Washington

PENSION PLAN INFORMATION

Cost Sharing Employer Plans

**Schedule of the State's Proportionate Share of the Net Pension Liability
Public Safety Employees' Retirement System (PSERS) Plan 2**

Last Six Measurement Years *

(expressed in thousands)

	2019	2018	2017	2016	2015	2014
State PSERS Plan 2 employers' proportion of the net pension liability/(asset)	54.61 %	50.48 %	49.14 %	47.97 %	47.93 %	48.26 %
State PSERS Plan 2 employers' proportionate share of the net pension liability / (asset)	\$ (7,101)	\$ 625	\$ 9,628	\$ 20,386	\$ 8,748	\$ (6,988)
State PSERS Plan 2 employers' covered payroll	\$ 321,991	\$ 198,511	\$ 175,395	\$ 155,768	\$ 140,977	\$ 130,172
State PSERS Plan 2 employers' proportionate share of the net pension liability/(asset) as a percentage of its covered payroll	-2.21 %	0.32 %	5.49 %	13.09 %	6.21 %	-5.37 %
Plan fiduciary net position as a percentage of the total pension liability/(asset)	101.85 %	99.79 %	96.26 %	90.41 %	95.08 %	105.01 %

* This schedule is to be built prospectively until it contains ten years of data.

**Schedule of the State's Proportionate Share of the Net Pension Liability
Law Enforcement Officers' and Fire Fighters' Retirement System (LEOFF) Plan 1**

Last Six Measurement Years *

(expressed in thousands)

	2019	2018	2017	2016	2015	2014
State's nonemployer proportion of the net pension liability/(asset)	87.12 %	87.12 %	87.12 %	87.12 %	87.12 %	87.12 %
State as nonemployer contributing entity proportionate share of the net pension liability/(asset)	\$(1,722,024)	\$(1,581,665)	\$(1,321,802)	\$ (897,585)	\$(1,049,988)	\$(1,056,583)
Plan fiduciary net position as a percentage of the total pension liability/(asset)	148.78 %	144.42 %	135.96 %	123.74 %	127.36 %	126.91 %

* This schedule is to be built prospectively until it contains ten years of data.

State of Washington

PENSION PLAN INFORMATION
Cost Sharing Employer Plans

**Schedule of the State's Proportionate Share of the Net Pension Liability
Law Enforcement Officers' and Fire Fighters' Retirement System (LEOFF) Plan 2**

Last Six Measurement Years *

(expressed in thousands)

	2019	2018	2017	2016	2015	2014
State LEOFF Plan 2 employers' proportion of the net pension liability/(asset)	0.90 %	0.87 %	0.85 %	0.88 %	0.83 %	0.84%
State as nonemployer contributing entity proportion of the net pension liability/(asset)	39.57 %	39.30 %	39.35 %	39.46 %	39.80 %	39.52 %
State LEOFF Plan 2 employers' proportionate share of the net pension liability/(asset)	\$ (20,782)	\$ (17,707)	\$ (11,823)	\$ (5,113)	\$ (8,580)	\$ (11,164)
State as nonemployer contributing entity total proportionate share of the net pension liability/(asset)	(916,765)	(797,902)	(545,988)	(229,538)	(409,091)	(524,419)
Total	\$ (937,547)	\$ (815,609)	\$ (557,811)	\$ (234,651)	\$ (417,671)	\$ (535,583)
State LEOFF Plan 2 employers' covered payroll	\$ 23,388	\$ 21,892	\$ 20,396	\$ 19,828	\$ 18,744	\$ 18,259
State LEOFF Plan 2 employers' proportionate share of the net pension liability/(asset) as a percentage of its covered payroll	-88.86%	-80.88%	-57.97%	-25.79%	-45.77%	-61.14%
Plan fiduciary net position as a percentage of the total pension liability/(asset)	119.43%	118.50%	113.36%	106.04%	111.67%	116.75%

* This schedule is to be built prospectively until it contains ten years of data.

State of Washington

PENSION PLAN INFORMATION
Cost Sharing Employer Plans

Schedule of Contributions
Public Employees' Retirement System (PERS) Plan 1

Fiscal Year Ended June 30*

(dollars in thousands)

	2020	2019	2018
Contractually required contributions (CRC)	\$ 304,870	\$ 299,745	\$ 280,513
Employer contributions related to covered payroll of employees participating in PERS Plan 1	\$ 5,665	\$ 7,092	\$ 8,769
Employer UAAL contributions related to covered payroll of employees participating in PERS Plan 2/3 and PSERS Plan 2	299,205	292,653	271,744
Contributions in relation to the actuarially determined contributions	304,870	299,745	280,513
Contribution Deficiency (Excess)	\$ —	\$ —	\$ —
Covered payroll of employees participating in PERS Plan 1	\$ 43,909	\$ 54,779	\$ 69,330
Covered payroll of employees participating in PERS Plan 2/3	5,902,886	5,469,217	5,237,495
Covered payroll of employees participating in PSERS Plan 2	509,511	321,991	198,511
Covered Payroll	\$ 6,456,306	\$ 5,845,987	\$ 5,505,336
Contributions as a percentage of covered payroll	4.72 %	5.13 %	5.10 %

* This schedule is to be built prospectively until it contains ten years of data.

Schedule of Contributions
Public Employees' Retirement System (PERS) Plan 2/3

Fiscal Year Ended June 30*

(dollars in thousands)

	2020	2019	2018
Contractually Required Contributions	\$ 466,005	\$ 412,466	\$ 389,001
Contributions in relation to the contractually required contributions	466,005	412,466	389,001
Contribution Deficiency (Excess)	\$ —	\$ —	\$ —
Covered Payroll	\$ 5,902,886	\$ 5,469,217	\$ 5,237,495
Contributions as a percentage of covered payroll	7.89 %	7.54 %	7.43 %

* This schedule is to be built prospectively until it contains ten years of data.

State of Washington

2017		2016		2015		2014	
\$	251,924	\$	238,158	\$	191,618	\$	188,639
\$	9,537	\$	11,385	\$	11,072	\$	12,964
	242,387		226,773		180,546		175,675
	251,924		238,158		191,618		188,639
\$	—	\$	—	\$	—	\$	—
\$	85,341	\$	103,235	\$	120,686	\$	143,836
	4,928,806		4,648,843		4,363,171		4,215,935
	175,395		155,768		140,977		130,172
\$	5,189,542	\$	4,907,846	\$	4,624,834	\$	4,489,943
	4.85 %		4.85 %		4.14 %		4.20 %

2017		2016		2015		2014	
\$	306,591	\$	287,049	\$	219,395	\$	209,455
	306,591		287,049		219,395		209,455
\$	—	\$	—	\$	—	\$	—
\$	4,928,806	\$	4,648,843	\$	4,363,171	\$	4,215,935
	6.22 %		6.17 %		5.03 %		4.97 %

State of Washington

PENSION PLAN INFORMATION
Cost Sharing Employer Plans

Schedule of Contributions
Teachers' Retirement System (TRS) Plan 1

Fiscal Year Ended June 30*

(dollars in thousands)

	2020	2019	2018
Contractually required contributions	\$ 6,215	\$ 5,436	\$ 4,582
Employer contributions related to covered payroll of employees participating in TRS Plan 1	\$ 225	\$ 241	\$ 272
Employer UAAL contributions related to covered payroll of employees participating in TRS Plan 2/3	5,990	5,195	4,310
Contributions in relation to the actuarially determined contributions	6,215	5,436	4,582
Contribution Deficiency (Excess)	\$ —	\$ —	\$ —
Covered payroll of employees participating in TRS Plan 1	\$ 1,431	\$ 1,557	\$ 1,893
Covered payroll of employees participating in TRS Plan 2/3	83,176	43,082	61,292
Covered Payroll	\$ 84,607	\$ 44,639	\$ 63,185
Contributions as a percentage of covered payroll	7.35 %	12.18 %	7.25 %

* This schedule is to be built prospectively until it contains ten years of data.

Schedule of Contributions
Teachers' Retirement System (TRS) Plan 2/3

Fiscal Year Ended June 30*

(dollars in thousands)

	2020	2019	2018
Contractually required contributions	\$ 6,730	\$ 5,542	\$ 4,699
Contributions in relation to the contractually required contributions	6,730	5,542	4,699
Contribution Deficiency (Excess)	\$ —	\$ —	\$ —
Covered Payroll	\$ 83,176	\$ 43,082	\$ 61,292
Contributions as a percentage of covered payroll	8.09 %	12.86 %	7.67 %

* This schedule is to be built prospectively until it contains ten years of data.

State of Washington

	2017		2016		2015		2014
\$	3,608	\$	2,940	\$	1,920	\$	1,537
\$	326	\$	369	\$	388	\$	451
	3,282		2,571		1,532		1,086
	3,608		2,940		1,920		1,537
\$	—	\$	—	\$	—	\$	—
\$	2,475	\$	5,735	\$	3,913	\$	4,611
	52,534		41,803		33,705		25,673
\$	55,009	\$	47,538	\$	37,618	\$	30,284
	6.56 %		6.18 %		5.10 %		5.08 %

	2017		2016		2015		2014
\$	3,542	\$	2,827	\$	1,924	\$	1,454
	3,542		2,827		1,924		1,454
\$	—	\$	—	\$	—	\$	—
\$	52,534	\$	41,803	\$	33,705	\$	25,673
	6.74 %		6.76 %		5.71 %		5.66 %

PENSION PLAN INFORMATION
Cost Sharing Employer Plans

Schedule of Contributions

Public Safety Employees' Retirement System (PSERS) Plan 2

Fiscal Year Ended June 30*

(dollars in thousands)

	2020		2019		2018	
Contractually Required Contributions	\$	27,498	\$	17,602	\$	13,330
Contributions in relation to the contractually required contributions		27,498		17,602		13,330
Contribution Deficiency (Excess)	\$	—	\$	—	\$	—
Covered Payroll	\$	509,511	\$	321,991	\$	198,511
Contributions as a percentage of covered payroll		5.40 %		5.47 %		6.72 %

* This schedule is to be built prospectively until it contains ten years of data.

Schedule of Contributions

Law Enforcement Officers' and Fire Fighters' Retirement System (LEOFF) Plan 2

Fiscal Year Ended June 30*

(dollars in thousands)

	2020		2019		2018	
Contractually Required Contributions	\$	1,721	\$	1,654	\$	1,512
Contributions in relation to the contractually required contributions		1,721		1,654		1,512
Contribution Deficiency (Excess)	\$	—	\$	—	\$	—
Covered Payroll	\$	25,410	\$	23,388	\$	21,892
Contributions as a percentage of covered payroll		6.77 %		7.07 %		6.91 %

* This schedule is to be built prospectively until it contains ten years of data.

State of Washington

	2017		2016		2015		2014
\$	11,465	\$	10,233	\$	8,932	\$	8,100
	11,465		10,233		8,932		8,100
\$	—	\$	—	\$	—	\$	—
\$	175,395	\$	155,768	\$	140,977	\$	130,172
	6.54 %		6.57 %		6.34 %		6.22 %

	2017		2016		2015		2014
\$	1,346	\$	1,345	\$	1,224	\$	1,184
	1,346		1,345		1,224		1,184
\$	—	\$	—	\$	—	\$	—
\$	20,396	\$	19,828	\$	18,744	\$	18,259
	6.60 %		6.78 %		6.53 %		6.48 %

PENSION PLAN INFORMATION
Notes to Required Supplementary Information

Methods and assumptions used in calculations of Actuarially Determined Contributions for PERS, TRS, PSERS, LEOFF, and WSPRS. The Office of the State Actuary (OSA) calculates the Actuarially Determined Contributions (ADC) based on the results of an actuarial valuation consistent with the state's funding policy defined under chapter 41.45 of the Revised Code of Washington (RCW). Consistent with the state's contribution rate adoption process, the results of an actuarial valuation with an odd-numbered year valuation date determine the ADC for the biennium that ensues two years later. The actuarial valuation with a June 30, 2017, valuation date, completed in the fall of 2018, plus any supplemental contribution rates from the preceding legislative session, determined the ADC for the period beginning July 1, 2019, and ending June 30, 2021.

Methods and assumptions used in calculations of the ADC for the Judicial Retirement System and the Judges Retirement Fund. The OSA calculates the ADC based on the results of an actuarial valuation, and sets the ADC equal to the expected benefit payments from the plan. Consistent with the state's funding policy defined under RCW 2.10.90 and 2.12.60, the Legislature makes biennial appropriations in order to ensure the fund is solvent to make the necessary benefit payments.

Additional consideration on ADC for all plans.

OSA calculates the ADC consistent with the methods described above. Adopted contribution rates may be different pending the actions of the governing bodies.

Contractually Required Contributions for PERS, TRS, PSERS, and LEOFF. For cost-sharing plans, OSA calculates the Contractually Required Contributions (CRC) using the same assumptions and methods as the ADC except the CRC reflects the adopted contribution rates for the time period shown, which may differ from the contribution rates produced for the ADC.

PENSION PLAN INFORMATION

Volunteer Fire Fighters' and Reserve Officers' Relief and Pension Fund

Schedule of Contributions

Last Ten Fiscal Years
(expressed in thousands)

Year	Actuarially Determined Contributions	Contributions in Relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)
2020	\$ 900	\$ 8,967	\$ (8,067)
2019	926	8,436	(7,510)
2018	3,523	8,050	(4,527)
2017	4,528	7,494	(2,966)
2016	6,846	8,153	(1,307)
2015	6,653	6,816	(163)
2014	6,421	7,336	(915)
2013	4,600	6,946	(2,346)
2012	4,700	6,484	(1,784)
2011	5,300	6,778	(1,478)

Notes: Neither covered payroll nor contributions as a percentage of covered payroll are applicable. This is a volunteer organization. Beginning in 2017, the methodology for determining the Actuarially Determined Contributions was revised to reflect the timing of the contributions based upon the Board for Volunteer Firefighters adoption cycle and the actuarial funding methods selected. Prior to 2014, the Annual Required Contribution amounts are presented for the Actuarially Determined Contributions. Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

Schedule of Investment Returns

Last Seven Fiscal Years*

	2020	2019	2018	2017	2016	2015	2014
Annual money-weighted rate of return, net of investment expense	4.40 %	8.23 %	8.84 %	13.26 %	2.19 %	4.05 %	18.50 %

*This schedule is to be built prospectively until it contains ten years of data.

Source: Washington State Office of the State Actuary

State of Washington

PENSION PLAN INFORMATION

Volunteer Fire Fighters' and Reserve Officers' Relief and Pension Fund

Schedule of Change in Net Pension Liability

Last Eight Fiscal Years*

(expressed in thousands)

	2020		2019		2018
Total Pension Liability					
Service cost	\$ 820	\$	828	\$	853
Interest	13,120		13,119		13,151
Changes of benefit terms	34,626		—		—
Differences between expected and actual experience	1,134		(1,857)		(2,707)
Changes in assumptions	—		—		16
Benefit payments, including refunds of member contributions	(12,217)		(11,913)		(11,573)
Net Change in Total Pension Liability	37,483		177		(260)
Total Pension Liability - Beginning	192,617		192,440		192,700
Total Pension Liability - Ending	\$ 230,100	\$	192,617	\$	192,440
Plan Fiduciary Net Position					
Contributions - municipalities	\$ 771	\$	797	\$	823
Contributions - member	40		54		65
Contributions - state as nonemployer contributing entity	8,196		7,639		7,227
Net investment income	11,059		20,101		19,860
Benefit payments, including refunds of member contributions	(12,215)		(11,913)		(11,573)
Administrative expense	(3,120)		(1,352)		(918)
Other	—		—		—
Net Change in Plan Fiduciary Net Position	4,731		15,326		15,484
Plan Fiduciary Net Position--Beginning, as restated	260,609		245,284		229,800
Plan Fiduciary Net Position--Ending	\$ 265,340	\$	260,610	\$	245,284
Plan's Net Pension Liability/(Asset)--Ending	\$ (35,240)	\$	(67,993)	\$	(52,844)

N/A indicates data not available.

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

State of Washington

	2017		2016		2015		2014		2013
\$	869	\$	893	\$	919	\$	1,240		N/A
	12,946		12,887		12,656		12,480		N/A
	—		—		—		—		N/A
	(1,998)		(176)		(2,948)		—		N/A
	463		101		1,931		—		N/A
	(11,074)		(10,795)		(10,501)		(10,771)		N/A
	1,206		2,910		2,057		2,949		N/A
	191,494		188,584		186,527		183,578		N/A
\$	192,700	\$	191,494	\$	188,584	\$	186,527	\$	183,578
\$	848	\$	918	\$	913	\$	953		N/A
	69		67		76		95		N/A
	6,646		7,235		5,903		6,383		N/A
	26,114		4,588		8,289		31,892		N/A
	(11,074)		(10,795)		(10,501)		(10,771)		N/A
	(1,466)		(1,205)		(1,020)		(1,469)		N/A
	—		—		—		(22)		N/A
	21,137		808		3,660		27,061		N/A
	208,663		207,855		204,195		177,134		N/A
\$	229,800	\$	208,663	\$	207,855	\$	204,195	\$	177,134
\$	(37,100)	\$	(17,169)	\$	(19,271)	\$	(17,668)	\$	6,444

PENSION PLAN INFORMATION

Volunteer Fire Fighters' and Reserve Officers' Relief and Pension Fund

Schedule of Net Pension Liability

Last Eight Fiscal Years*

(expressed in thousands)

	2020	2019	2018
Total Pension Liability - Ending	\$ 230,100	\$ 192,617	\$ 192,440
Plan Fiduciary Net Position - Ending	265,340	260,610	245,284
Plan's Net Pension Liability/(Asset) - Ending	<u>\$ (35,240)</u>	<u>\$ (67,993)</u>	<u>\$ (52,844)</u>
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability/(Asset)	115.32%	135.30%	127.46%
Covered Payroll	N/A	N/A	N/A
Plan's Net Pension Liability/(Asset) as a Percentage of Covered Payroll	N/A	N/A	N/A

N/A indicates data not applicable. This is a volunteer organization.

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding. Percentages are calculated using unrounded totals.

Source: Washington State Office of the State Actuary

**Volunteer Fire Fighters' and Reserve Officers' Relief and Pension Fund
Notes to Required Supplementary Information**

The Office of the State Actuary (OSA) calculates the Actuarially Determined Contributions (ADC) based on the results of an actuarial valuation consistent with funding policy defined under chapter 41.24 RCW and adopted policies made by the State Board for Volunteer Fire Fighters and Reserve Officers. Consistent with the

Board's contribution rate adoption process, the results of an actuarial valuation determine the ADC two years after the valuation date. For example, the actuarial valuation with a June 30, 2018, valuation date, completed in the fall of 2019, determines the ADC for the period ending June 30, 2020.

State of Washington

	2017		2016		2015		2014		2013	
	\$	192,700	\$	191,494	\$	188,584	\$	186,527	\$	183,578
		229,800		208,663		207,855		204,195		177,134
	\$	(37,100)	\$	(17,169)	\$	(19,271)	\$	(17,668)	\$	6,444
		119.25%		108.97%		110.22%		109.47%		96.49%
		N/A		N/A		N/A		N/A		N/A
		N/A		N/A		N/A		N/A		N/A

State of Washington

PENSION PLAN INFORMATION
Higher Education Supplemental Defined Benefit Plans

Schedule of Changes in Total Pension Liability and Related Ratios
University of Washington

Fiscal Years Ended and Measurement Date June 30*

(expressed in thousands)

	2020	2019	2018	2017
Total Pension Liability				
Service cost	\$ 16,699	\$ 11,823	\$ 14,788	\$ 19,891
Interest	21,232	16,277	16,128	15,097
Differences between expected and actual experience	31,425	102,713	(33,953)	(74,918)
Changes in assumptions	126,749	58,228	(17,105)	(28,553)
Benefit payments	(8,316)	(7,482)	(6,130)	(5,136)
Net Change in Total Pension Liability	187,789	181,559	(26,272)	(73,619)
Total Pension Liability - Beginning	594,040	412,481	438,753	512,372
Total Pension Liability - Ending	\$ 781,829	\$ 594,040	\$ 412,481	\$ 438,753
Covered payroll	\$ 744,634	\$ 787,384	\$ 759,688	\$ 801,161
Total Pension Liability/(Asset) as a Percentage of Covered Payroll	105.00 %	75.44 %	54.30 %	54.76 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

Schedule of Changes in Total Pension Liability and Related Ratios
Washington State University

Fiscal Years Ended and Measurement Date June 30*

(expressed in thousands)

	2020	2019	2018	2017
Total Pension Liability				
Service cost	\$ 2,282	\$ 2,112	\$ 2,763	\$ 3,803
Interest	3,282	3,241	3,261	3,140
Differences between expected and actual experience	5,496	(1,022)	(7,171)	(16,389)
Changes in assumptions	17,655	7,997	(3,255)	(6,574)
Benefit payments	(2,493)	(2,439)	(2,181)	(1,890)
Net Change in Total Pension Liability	26,222	9,889	(6,583)	(17,910)
Total Pension Liability - Beginning	92,720	82,831	89,414	107,324
Total Pension Liability - Ending	\$ 118,942	\$ 92,720	\$ 82,831	\$ 89,414
Covered payroll	\$ 160,533	\$ 171,012	\$ 186,365	\$ 196,596
Total Pension Liability/(Asset) as a Percentage of Covered Payroll	74.09 %	54.22 %	44.45 %	45.48 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

State of Washington

PENSION PLAN INFORMATION
Higher Education Supplemental Defined Benefit Plans

Schedule of Changes in Total Pension Liability and Related Ratios
Eastern Washington University

Fiscal Years Ended and Measurement Date June 30*

(expressed in thousands)

	2020	2019	2018	2017
Total Pension Liability				
Service cost	\$ 501	\$ 463	\$ 477	\$ 658
Interest	634	614	429	420
Differences between expected and actual experience	1,019	421	3,867	(2,852)
Changes in assumptions	3,488	1,014	(621)	(647)
Benefit payments	(250)	(316)	(202)	(140)
Net Change in Total Pension Liability	5,392	2,196	3,950	(2,561)
Total Pension Liability - Beginning	17,747	15,551	11,601	14,162
Total Pension Liability - Ending	\$ 23,139	\$ 17,747	\$ 15,551	\$ 11,601
Covered payroll	\$ 30,441	\$ 32,357	\$ 34,114	\$ 38,505
Total Pension Liability/(Asset) as a Percentage of Covered Payroll	76.01 %	54.85 %	45.59 %	30.13 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

Schedule of Changes in Total Pension Liability and Related Ratios
Central Washington University

Fiscal Years Ended and Measurement Date June 30*

(expressed in thousands)

	2020	2019	2018	2017
Total Pension Liability				
Service cost	\$ 52	\$ 61	\$ 91	\$ 150
Interest	252	293	299	293
Differences between expected and actual experience	322	(710)	(466)	(1,270)
Changes in assumptions	1,057	428	(272)	(616)
Benefit payments	(439)	(411)	(412)	(411)
Net Change in Total Pension Liability	1,244	(339)	(760)	(1,854)
Total Pension Liability - Beginning	7,378	7,717	8,477	10,331
Total Pension Liability - Ending	\$ 8,622	\$ 7,378	\$ 7,717	\$ 8,477
Covered payroll	\$ 8,282	\$ 8,952	\$ 10,368	\$ 11,028
Total Pension Liability/(Asset) as a Percentage of Covered Payroll	104.10 %	82.41 %	74.43 %	76.87 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

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PENSION PLAN INFORMATION
Higher Education Supplemental Defined Benefit Plans

Schedule of Changes in Total Pension Liability and Related Ratios
The Evergreen State College

Fiscal Years Ended and Measurement Date June 30*

(expressed in thousands)

	2020	2019	2018	2017
Total Pension Liability				
Service cost	\$ 188	\$ 154	\$ 210	\$ 296
Interest	243	235	237	230
Differences between expected and actual experience	490	(108)	(565)	(1,327)
Changes in assumptions	1,293	694	(229)	(387)
Benefit payments	(138)	(137)	(183)	(158)
Net Change in Total Pension Liability	2,076	838	(530)	(1,346)
Total Pension Liability - Beginning	6,818	5,980	6,510	7,856
Total Pension Liability - Ending	\$ 8,894	\$ 6,818	\$ 5,980	\$ 6,510
Covered payroll	\$ 13,618	\$ 14,999	\$ 15,978	\$ 16,941
Total Pension Liability/(Asset) as a Percentage of Covered Payroll	65.31 %	45.46 %	37.43 %	38.43 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

Schedule of Changes in Total Pension Liability and Related Ratios
Western Washington University

Fiscal Years Ended and Measurement Date June 30*

(expressed in thousands)

	2020	2019	2018	2017
Total Pension Liability				
Service cost	\$ 699	\$ 551	\$ 737	\$ 1,057
Interest	962	825	837	842
Differences between expected and actual experience	1,961	2,298	(2,233)	(5,278)
Changes in assumptions	5,269	2,821	(819)	(2,126)
Benefit payments	(486)	(420)	(380)	(298)
Net Change in Total Pension Liability	8,405	6,075	(1,858)	(5,803)
Total Pension Liability - Beginning	27,037	20,962	22,820	28,623
Total Pension Liability - Ending	\$ 35,442	\$ 27,037	\$ 20,962	\$ 22,820
Covered payroll	\$ 49,576	\$ 53,024	\$ 52,750	\$ 55,840
Total Pension Liability/(Asset) as a Percentage of Covered Payroll	71.49 %	50.99 %	39.74 %	40.87 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

PENSION PLAN INFORMATION
Higher Education Supplemental Defined Benefit Plans

Schedule of Changes in Total Pension Liability and Related Ratios
State Board for Community and Technical Colleges

Fiscal Years Ended and Measurement Date June 30*

(expressed in thousands)

	2020	2019	2018	2017
Total Pension Liability				
Service cost	\$ 3,516	\$ 2,851	\$ 3,827	\$ 5,417
Interest	3,956	3,449	3,517	3,514
Differences between expected and actual experience	8,335	6,503	(10,402)	(25,336)
Changes in assumptions	22,269	12,227	(3,519)	(5,980)
Benefit payments	(1,785)	(1,818)	(1,300)	(902)
Net Change in Total Pension Liability	36,291	23,212	(7,877)	(23,287)
Total Pension Liability - Beginning	110,385	87,173	95,050	118,337
Total Pension Liability - Ending	\$ 146,676	\$ 110,385	\$ 87,173	\$ 95,050
Covered payroll	\$ 312,253	\$ 331,420	\$ 353,910	\$ 375,725
Total Pension Liability/(Asset) as a Percentage of Covered Payroll	46.97 %	33.31 %	24.63 %	25.30 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

Higher Education Supplemental Defined Benefit Plans

Notes to Required Supplementary Information

The Higher Education Supplemental Retirement Plans are financed on a pay-as-you-go basis. State institutions of higher education make direct payments to qualifying retirees when the retirement benefits provided by the

fund sponsors do not meet the benefit goals. No assets are accumulated in trusts or equivalent arrangements.

Potential factors that may significantly affect trends in amounts reported include changes to the discount rate, salary growth, and the variable income investment return.

OTHER POSTEMPLOYMENT BENEFITS INFORMATION

Schedule of Changes in Total OPEB Liability and Related Ratios

Measurement Date of June 30*

(expressed in thousands)

	2019	2018	2017
Total OPEB Liability			
Service cost	\$ 235,316	\$ 317,866	\$ 394,955
Interest	203,889	218,339	184,999
Changes in benefit terms	—	—	—
Difference between expected and actual experience	(273)	199,258	—
Changes in assumptions	379,637	(1,390,198)	(902,431)
Benefit payments	(93,253)	(92,200)	(94,279)
Changes in proportion	(3)	(15)	—
Net Changes in Total OPEB Liability	725,313	(746,950)	(416,755)
Total OPEB Liability - Beginning	5,079,882	5,826,832	6,242,577
Total OPEB Liability - Ending	\$ 5,805,195	\$ 5,079,882	\$ 5,825,822
Covered-employee payroll	\$ 8,722,746	\$ 8,401,635	\$ 7,878,188
Total OPEB liability as a percentage of covered-employee payroll	66.55 %	60.46 %	73.95 %

*This schedule is to be built prospectively until it contains ten years of data.

Note: Figures may not total due to rounding.

Source: Washington State Office of the State Actuary

Notes to Required Supplementary Information

The Public Employees' Benefits Board OPEB plan does not have assets in trusts or equivalent arrangements and is funded on a pay-as-you-go basis.

Potential factors that may significantly affect trends in amounts reported include changes to the discount rate, health care trend rates, salary projections, and participation percentages.

Total OPEB liability beginning balance for the measurement date of June 30, 2018, was restated to reflect the changes in proportion between the state and the Washington Economic Development Finance Authority which operates on a cash basis and does not report an OPEB liability. The restatement also includes OPEB amounts for the Health Care Benefits Exchange which was omitted from the table in the prior year.

Infrastructure Assets Reported Using the Modified Approach

Condition Assessment

The state of Washington reports certain networks of infrastructure assets under the modified approach of the Governmental Accounting Standards Board Statement No. 34. Expenditures to maintain and preserve these assets are budgeted, recorded, and reported in lieu of depreciation expense. The state must meet the following requirements to report networks of assets under the modified approach:

- Maintain an up-to-date inventory of eligible infrastructure assets in an asset management system.
- Disclose the condition level at which assets are to be

preserved or maintained, as established by administrative or executive policy, or by legislative action.

- Perform condition assessments of eligible assets and summarize the results using a measurement scale.
- Document that assets are being preserved approximately at or above the disclosed condition level.
- Annually estimate the cost to maintain and preserve the assets at the established condition level.

Assets accounted for under the modified approach include the state of Washington’s network of highway pavements, bridges, and rest areas. In fiscal year 2020, the state was responsible for maintaining and preserving 20,876 pavement lane miles, 3,942 bridges and tunnels, and 47 highway safety rest areas.

PAVEMENT CONDITION

The Washington State Department of Transportation (WSDOT) performs highway pavement assessments over a two-year cycle utilizing three measurements to develop a scaled condition assessment: Pavement Structural Condition (PSC), International Roughness Index (IRI), and rutting.

The WSDOT uses the following rating scale for PSC:

Category	PSC Range	Description
Very Good	80 - 100	Little or no distress. Example: Flexible pavement with 5% of wheel track length having “hairline” severity alligator cracking will have a PSC of 80.
Good	60 - 79	Early stage deterioration. Example: Flexible pavement with 15% of wheel track length having “hairline” alligator cracking will have a PSC of 70.
Fair	40 - 59	This is the threshold value for rehabilitation. Example: Flexible pavement with 25% of wheel track length having “hairline” alligator cracking will have a PSC of 50.
Poor	20 - 39	Structural deterioration. Example: Flexible pavement with 25% of wheel track length having “medium (spalled)” severity alligator cracking will have a PSC of 30.
Very Poor	0 - 19	Advanced structural deterioration. Example: Flexible pavement with 40% of wheel track length having “medium (spalled)” severity alligator cracking will have a PSC of 10. May require extensive repair and thicker overlays.

The IRI scale is measured in inches per mile. WSDOT assesses pavement with a ride performance measure less than 221 inches per mile to be in fair or better condition.

Rutting is measured in inches with a measurement of 0.58 inches or less assessed at a condition of fair or better.

PSC, IRI, and rutting are combined to rate a section of pavement which is assigned the lowest condition of any of the three indices.

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The following table shows the combined conditions and the ratings for each index:

Category	PSC	IRI	Rutting
Very Good	80 - 100	< 96	< 0.24
Good	60 - 79	96 - 170	0.24 - 0.41
Fair	40 - 59	171 - 220	0.42 - 0.58
Poor	20 - 39	221 - 320	0.59 - 0.74
Very Poor	0 - 19	> 320	> 0.74

The WSDOT's policy is to maintain 85 percent of pavements at a condition level of fair or better, based on an average condition level of the last three assessments.

The following table shows pavement condition ratings for state highways:

Pavements			
Percentage in Fair or Better Condition			
Two-Year Cycle Ending Calendar Year			
2019	2017	2015	Average of Last Three Assessments
94.1%	93.2%	93.2%	93.5%

The following table reflects the state's estimated and actual expenditures necessary to preserve state highways at the established condition level:

Pavements						
Preservation and Maintenance - Planned to Actual - Fiscal Year						
(expressed in thousands)						
	2020	2019	2018	2017	2016	
Planned	\$ 194,105	\$ 227,625	\$ 263,555	\$ 304,040	\$ 160,423	
Actual	169,303	269,236	271,474	264,315	161,211	
Variance	\$ 24,802	\$ (41,611)	\$ (7,919)	\$ 39,725	\$ (788)	
	12.8%	-18.3%	-3.0%	13.1%	-0.5%	

Actual expenditures may vary from planned amounts for a variety of reasons which include, but are not limited to, management's decision to accelerate, defer, or reduce preservation or maintenance activities in response to economic forecasts and other factors.

For more information about pavements, refer to the WSDOT's website at: <http://www.wsdot.wa.gov/Business/MaterialsLab/Pavements/default.htm>.

BRIDGE CONDITION

The WSDOT inspects and performs condition assessments on approximately 3,300 state-owned vehicular bridges in excess of 20 feet in length. While most bridges undergo condition assessments every two years, the National Bridge Inspection Standards (NBIS) make provisions for some bridges to be inspected more or less frequently. Factors that are considered when determining the frequency of inspection include age, type of structure, span length, and condition. There are currently about 360 bridges that are inspected on a four-year cycle, and many bridges that are inspected more frequently than every two years. Underwater bridge components are inspected at least once every five years in accordance with Federal Highway Administration (FHWA) requirements.

The WSDOT uses a performance measure established in FHWA’s *Recording and Coding Guide for the Structural Inventory and Appraisal of the Nation’s Bridges*, which classifies the physical condition of bridges as good, fair, or poor based on structural sufficiency standards for the following bridge components: bridge superstructure, substructure, and deck. The appraisal data is collected in the National Bridge Inventory (NBI) and assigned a code from 0 to 9, with 0 being in a failed condition and 9 being in excellent condition.

Category	National Bridge Inventory Code	Description
Good	7 or 8	A range from no problems noted to some minor problems.
Fair	5 or 6	All primary structural elements are sound but may have deficiencies such as minor section loss, deterioration, cracking, spalling, or scour.
Poor	4 or less	Advanced deficiencies such as section loss, deterioration, cracking, spalling, scour, or seriously affected primary structural components.

The WSDOT’s policy is to maintain 90 percent of bridges at a condition level of fair or better, based on an average condition level of the last three assessments.

The following table shows condition ratings for state bridges:

Bridges			
Percentage in Fair or Better Condition			
Two-Year Cycle Ending Fiscal Year			
2019	2017	2015	Average of Last Three Assessments
92.9%	91.8%	92.1%	92.3%

The following table reflects the state’s estimated and actual expenditures necessary to preserve the bridges at the established condition level:

Bridges					
Preservation and Maintenance - Planned to Actual - Fiscal Year					
<i>(expressed in thousands)</i>					
	2020	2019	2018	2017	2016
Planned	\$ 148,212	\$ 182,409	\$ 106,595	\$ 45,891	\$ 75,160
Actual	120,554	146,816	87,068	45,088	66,339
Variance	\$ 27,658	\$ 35,593	\$ 19,527	\$ 803	\$ 8,821
	18.7%	19.5%	18.3%	1.7%	11.7%

Actual expenditures may vary from planned amounts for a variety of reasons which include, but are not limited to, management’s decision to accelerate, defer, or reduce preservation or maintenance activities in response to economic forecasts and other factors.

For more information about bridges, refer to the WSDOT’s website at: <http://www.wsdot.wa.gov/Bridge/Structures/>.

SAFETY REST AREA CONDITION

In April 2019, the WSDOT’s Statewide Asset Management Program requested that safety rest areas be managed under the same asset management plan as all other agency-owned facilities. As of July 2019, the WSDOT implemented a new alignment plan that imposed stricter standards for preserving all safety rest areas.

While the scale for condition measurement remains unchanged, both the condition rating tiers and the condition target for safety rest areas have been modified. The rating for a safety rest area to be considered in “fair” condition was increased from 50% to 60% under the new plan, representing a higher assessment standard than under the historical rating system.

Beginning in fiscal year 2020, the WSDOT performs condition assessments on safety rest areas in the odd year of every fiscal biennium. Sites and buildings are divided into functional components that are assessed with a three-tiered condition scale: good, fair, and poor condition. The assessment criteria are based on guidelines that are typical of industry standards and have been modified by the WSDOT Capital Facilities Program to align with transportation-related facilities.

The WSDOT’s policy is to maintain 85 percent of safety rest areas at a level of fair or better condition, based on the average condition level of the last three assessments.

The following table shows condition ratings for safety rest areas:

Safety Rest Areas			
Percentage in Fair or Better Condition			
Two-Year Cycle Ending Fiscal Year *			
2019	2017	2015	Average of Last Three Assessments
80.4%	80.4%	95.7%	85.5%

* The percentages for last three assessments were recalculated based on the new rating methodology effective July 2019.

The following table reflects the state’s estimated and actual expenditures necessary to preserve the safety rest areas at the established condition level:

Safety Rest Areas										
Preservation and Maintenance - Planned to Actual - Fiscal Year										
<i>(expressed in thousands)</i>										
		2020		2019		2018		2017		2016
Planned	\$	9,420	\$	11,084	\$	9,609	\$	9,964	\$	7,204
Actual		8,601		9,004		7,986		8,011		7,185
Variance	\$	819	\$	2,080	\$	1,623	\$	1,953	\$	19
		8.7%		18.8%		16.9%		19.6%		0.3%

Actual expenditures may vary from planned amounts for a variety of reasons which include, but are not limited to, management’s decision to accelerate, defer, or reduce preservation or maintenance activities in response to economic forecasts and other factors.

For more information about safety rest areas, refer to the WSDOT’s website at: <http://www.wsdot.wa.gov/safety/restareas>.