

Schedule of OPEB Amounts by Employer
June 30, 2018

(With Independent Auditors' Report Thereon)

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KPMG LLP Suite 600 701 West Eighth Avenue Anchorage, AK 99501

Independent Auditors' Report

The Division of Retirement and Benefits and Members of the Alaska Retirement Management Board State of Alaska Teachers' Retirement System:

We have audited the total for all entities of the columns titled net OPEB asset, total deferred outflows of resources, total deferred inflows of resources, and total OPEB expense (specified column totals) included in the accompanying schedule of OPEB amounts by employer of the State of Alaska Teachers' Retirement System Occupational Death and Disability Plan (the Plan) as of and for the year ended June 30, 2018, and the related notes.

Management's Responsibility for the Schedule

Management is responsible for the preparation and fair presentation of this schedule in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the schedule that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express opinions on the specified column totals included in the schedule of OPEB 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 specified column totals included in the schedule of OPEB amounts by employer are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the specified column totals included in the schedule of OPEB amounts by employer. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the specified column totals included in the schedule of OPEB 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 specified column totals included in the schedule of OPEB 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 the 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 specified column totals included in the schedule of OPEB 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 schedule referred to above presents fairly, in all material respects, the net OPEB asset, total deferred outflows of resources, total deferred inflows of resources, and total OPEB expense for the total of all participating entities for the Plan as of and for the year ended June 30, 2018, in accordance with U.S. generally accepted accounting principles.

Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America the financial statements of the State of Alaska Teachers' Retirement System, which includes the Occupational Death and Disability Plan, as of and for the year ended June 30, 2018, and our report thereon, dated November 21, 2018, expressed an unmodified opinion on those financial statements.

Restriction on Use

Our report is intended solely for the information and use of the State of Alaska Teachers' Retirement System management, the members of the Alaska Retirement Management Board, State of Alaska Teachers' Retirement System Occupational Death and Disability Plan employers, and their auditors, and is not intended to be and should not be used by anyone other than these specified parties.

KPMG LLP

Anchorage, Alaska April 26, 2019

Schedule of OPEB Amounts by Employer

As of and for the year ended June 30, 2018

Deferred outflows of resources

Employer	Employer number	Net OPEB asset	Change of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources
Employer:					
Anchorage School District	701	\$ 1,084,954	_	6,363	6,363
Cordova City School District	704	7,011	_	967	967
Craig City School District	705	9,657	_	468	468
Fairbanks North Star Borough School District	706	303,706	_	_	_
Haines Borough School District	707	9,124	_	3,110	3,110
Hoonah City School District	708	6,127	_	_	_
Hydaburg City School District	709	2,473	_	1,749	1,749
Juneau Borough School District	710	112,331	_	1,345	1,345
Kake City School District	712	6,836	_	388	388
Ketchikan Gateway Borough School District	714	58,998	_	1,396	1,396
Klawock City School District	717	4,509	_	505	505
Kodiak Island Borough School District	718	83,621	_	9,507	9,507
Nenana City School District	719	8,742	_	1,262	1,262
Nome City School District	720	25,621	_	1,591	1,591
Matanuska-Susitna Borough School District	722	384,312	_	1,807	1,807
Pelican City School District	723	622	_	6	6
Petersburg City School District	724	12,026	_	1,053	1,053
Sitka Borough School District	727	37,097	_	423	423
Skagway City School District	728	6,267	_	_	_
Unalaska City School District	729	14,573	_	1,609	1,609
Valdez City School District	730	13,638	_	1,403	1,403
Wrangell Public School District	731	8,663	_	543	543
Yakutat School District	732	2,737	_	_	_
University of Alaska	733	79,952	_	453	453
Galena City School District	735	23,661	_	_	_
North Slope Borough School District	736	117,383	_	3,135	3,135
State of Alaska	737	14,021	_	1,398	1,398
Bristol Bay Borough School District	742	5,908	_	1,192	1,192
Southeast Regional Resource Center	743	3,107	_	1,557	1,557
Dillingham City School District	744	22,496	_	3,477	3,477
Kenai Peninsula Borough School District	746	231,332	_	_	_
Saint Mary's School District	748	4,428	_	1,623	1,623
Northwest Arctic Borough School District	751	116,435	_	1,431	1,431
Bering Strait School District	752	124,703	_	5,395	5,395
Lower Yukon School District	753	83,336	_	12,561	12,561
Lower Kuskokwim School District	754	167,629	_	6,513	6,513
Kuspuk School District	755	19,116	_	974	974
Southwest Region School District	756	38,731	_	348	348
Lake And Peninsula Borough School District	757	28,612		2,302	2,302
Aleutian Region School District	758	2,962	_	207	207
Pribilof School District	759	3,706	_	1,067	1,067
Iditarod Area School District	761	11,104	_	2,145	2,145
Yukon / Koyukuk School District	762	29,795	_	2,042	2,042
Yukon Flats School District	763	13,420	_	3,019	3,019
Denali Borough School District	764	11,570		459	459
Delta/Greely School District	765	17,799	_	585	585
Alaska Gateway School District	766	16,031	_	_	_
Copper River School District	767	11,610	_	308	308
Chatham School District	768 760	8,289	_	384	384
Southeast Island School District	769	11,807	_	790	790
Annette Island School District	770	17,886		113	113
Chugach School District	771 775	3,681	_		
Tanana School District	775 777	2,170	_	1,036	1,036
Kashunamiut School District	777	14,174	_	1,636	1,636
Yupiit School District	778	25,321	_	2,605	2,605
Special Education Service Agency	779	6,510	_	4.500	4.520
Aleutians East Borough School District	780	13,670		1,539	1,539
Total attributable to employer contributions		\$ 3,506,000		95,789	95,789

See accompanying notes to schedule of OPEB amounts by employer.

Schedule of OPEB Amounts by Employer

As of and for the year ended June 30, 2018

	Defer	red inflows of reso	urces			OPEB expense	
Difference between expected and actual experience	Net difference between projected and actual investment earnings on OPEB plan investments	Change of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan OPEB benefit	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total OPEB expense (benefit)
72,988	30,760	_	2,141	105,889	(12,480)	506	(11,974)
472	199	_	1,037	1,708	(80)	(16)	(96)
650 20,431	274 8,610		7,061	924 36,102	(111) (3,493)	52 (806)	(59) (4,299)
614	259	_	_	873	(105)	348	243
412	174	_	1,453	2,039	`(70)	(166)	(236)
166	70	_	_	236	(28)	203	175
7,557	3,185	_	2,821	13,563	(1,292)	(150)	(1,442)
460 3,969	194 1,672		244 2,839	898 8,480	(79) (679)	19 (146)	(60) (825)
3,969	1,672	_	2,639 750	1,181	(52)	(32)	(84)
5,625	2,371	_	4,692	12,688	(962)	488	(474)
588	248	_	828	1,664	(101)	41	(60)
1,724	726	_	2,072	4,522	(295)	(40)	(335)
25,853	10,896		11,103	47,852	(4,421)	(1,095)	(5,516)
42 809	18 341	_	34 3,082	94 4,232	(7) (138)	(3) (213)	(10) (351)
2,496	1,052	_	534	4,082	(427)	(16)	(443)
422	178	_	1,780	2,380	(72)	(202)	(274)
980	413	_	2,053	3,446	(168)	(36)	(204)
917	387		3,308	4,612	(157)	(232)	(389)
583 184	246 78	_	400 1,188	1,229 1,450	(100) (31)	13 (136)	(87)
5,379	2,267	_	564	8,210	(920)	(16)	(167) (936)
1,592	671	_	1,774	4,037	(272)	(201)	(473)
7,897	3,328	_	8,853	20,078	(1,350)	(598)	(1,948)
943	397		1,173	2,513	(161)	35	(126)
397	167	_	1,623	2,187	(68)	(38)	(106)
209 1,513	88 638	_	 1,688	297 3,839	(36) (259)	170 221	134 (38)
15,562	6,558	_	2,180	24,300	(2,661)	(247)	(2,908)
298	125	_	. —	423	(51)	`181 [′]	130
7,833	3,301	_	5,718	16,852	(1,339)	(455)	(1,794)
8,389	3,535	_	_	11,924	(1,434)	614	(820)
5,606 11,277	2,362 4,752	_	 2,897	7,968 18,926	(959) (1,928)	1,412 371	453 (1,557)
1,286	542	_	273	2,101	(220)	74	(1,337)
2,605	1,098	_	1,960	5,663	(446)	(190)	(636)
1,925	811	_	1,475	4,211	(329)	107	(222)
199	84	_	_	283	(34)	24	(10)
249 747	105 315	_	3,304	354	(43)	119	76
2,004	845		1,065	4,366 3,914	(128) (343)	(151) 122	(279) (221)
903	380	_	-,,,,,,	1,283	(154)	332	178
778	328	_	1,507	2,613	(133)	(126)	(259)
1,197	504	_	153	1,854	(205)	51	(154)
1,078 781	455 329	_	2,186 3,115	3,719 4,225	(184) (134)	(250) (303)	(434) (437)
558	235		655	1,448	(134)	(303)	(129)
794	335	_	_	1,129	(136)	87	(49)
1,203	507	_	1,118	2,828	(206)	(128)	(334)
248	104	_	85	437	(42)	4	(38)
146	62 402	_	638 1,111	846	(25)	51	26
			1 111	2,467	(163)	70	(93)
954							
954 1,703	718	_	_	2,421	(291)	286	(5)
954		=					(5) (129) (78)

Notes to Schedule of OPEB Amounts by Employer
June 30, 2018

(1) Plan Description

The State of Alaska Teachers' Retirement System (System) Occupational Death and Disability Plan (Plan) is a cost-sharing, multiple-employer defined benefit other postemployment benefits (OPEB) plan that provides OPEB benefits for teachers and other eligible members.

The Plan is established under Alaska Statute 14.35 which defines benefit and contribution provisions and may be amended only by the State of Alaska (State) legislature. The Plan provides death benefits for beneficiaries of Plan participants and long-term disability benefits to all active members within the System.

Death Benefits

If (1) the death of an employee occurs before the employee's retirement and before the employee's normal retirement date, (2) the proximate cause of death is a bodily injury sustained or a hazard undergone while in the performance and within the scope of the employee's duties, and (3) the injury or hazard is not the proximate result of willful negligence of the employee, then a monthly survivor's pension shall be paid to the surviving spouse. If there is no surviving spouse or if the spouse later dies, the monthly survivor's pension shall be paid in equal parts to the dependent children of the employee.

The monthly survivor's pension section for survivors of Plan employees is 40% of the employee's monthly compensation in the month in which the employee dies. While the monthly survivor's pension is being paid, the employer shall make contributions on behalf of the employee's beneficiaries based on the deceased employee's gross monthly compensation at the time of occupational death.

Disability Benefits

A Plan member is eligible for an occupational disability before the employee's normal retirement date. The occupational disability benefits accrue beginning the first day of the month following termination of employment as a result of the disability and are payable the last day of the month. If a final determination granting the benefit is not made in time to pay the benefit when due, a retroactive payment shall be made to cover the period of deferment.

(2) Basis of Presentation

The schedule of OPEB amounts by employer (the Schedule) presents amounts that are considered elements of the financial statements of the Plan and its participating employers. Accordingly, they do not purport to be a complete presentation of the financial position or changes in financial position of the Plan, its participating employers, or the State. The amounts presented in the Schedule are prepared in accordance with U.S. generally accepted accounting principles. Such preparation requires management of the Plan to make a number of estimates and assumptions relating to the reported amounts. Due to the inherent nature of these estimates, actual results could differ from those estimates.

Notes to Schedule of OPEB Amounts by Employer
June 30, 2018

(3) Allocation Methodology

GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions, requires participating employers in the Plan to recognize their proportionate share of the collective net OPEB asset, collective deferred outflows of resources, collective deferred inflows of resources, and collective OPEB expense. During the year ended June 30, 2018, there were no employer contributions to the Plan. For purposes of GASB Statement No. 75, management determined that since the contribution base of the Plan was comparable to that of the System's Retiree Medical Plan, the allocation percentages computed in the Retiree Medical Plan would be used for this Plan. Allocation percentages are presented in a separate audit report titled State of Alaska Teachers' Retirement System Retiree Medical Plan Schedule of Employer Allocations.

(4) Contributions

Employer contributions are actuarially determined and adopted by the Alaska Retirement Management Board (Board). There were no employer contributions for the year ended June 30, 2018.

(5) Collective Net OPEB Asset

(a) Components of the Collective Net OPEB Asset

The components of the collective net OPEB asset of the Plan are as follows as of June 30, 2018:

Total OPEB liability	\$	291,000
Plan fiduciary net position	_	3,797,000
Net OPEB asset	\$	(3,506,000)

The total OPEB liability for the June 30, 2018 measurement date was determined by an actuarial valuation as of June 30, 2017, which was rolled forward to June 30, 2018. These actuarial valuations used the following actuarial assumptions as of June 30, 2018:

Inflation 3.12%

Salary increases Graded by service, from 8.11% to 3.87%

Investment rate of return 8.00%, net of occupational death and disability plan

investment expenses. This is based on an average inflation rate of 3.12% and a real rate of return of 4.88%.

Notes to Schedule of OPEB Amounts by Employer
June 30, 2018

Mortality

Posttermination mortality rates were based on 94% of the male rates and 97% of the female rates of the RP-2000 Combined Mortality Table, 2000 Base Year projected to 2018 with Projection Scale BB, with a 3-year setback for males and 4-year setback for females. The rates for pretermination mortality were 68% of the male rates and 60% of the female rates of the posttermination mortality rates (deaths were assumed to result from occupational causes 15% of the time). Disability mortality is in accordance with the RP-2000 Disabled Retiree Mortality Table, 2000 Base Year, projected to 2018 with Projection Scale BB.

The actuarial assumptions used in the June 30, 2017 actuarial valuation were based on the results of an actuarial experience study for the period from July 1, 2009 to June 30, 2013. The assumptions used in the June 30, 2017 actuarial valuation are the same as those used in the June 30, 2016 valuation.

(b) Long-term Expected Rate of Return

The long-term expected rate of return on Plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the Plan's target asset allocations as of June 30, 2018 are summarized in the following table (note that the rates shown below exclude the inflation component):

	Long-term expected real
Asset class	rate of return
Domestic equity	8.90 %
Global ex-U.S. equity	7.85
Fixed income	1.25
Opportunistic	4.76
Real assets	6.20
Absolute return	4.76
Private equity	12.08
Cash equivalents	0.66

Notes to Schedule of OPEB Amounts by Employer
June 30, 2018

(c) Discount Rate

The discount rate used to measure the total OPEB liability as of June 30, 2018 was 8.0%. The projection of cash flows used to determine the discount rate assumed that employer contributions will continue to follow the current funding policy, which meets State statutes. Based on those assumptions, the Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on Plan investments was applied to all periods of projected benefit payments to determine the total OPEB liability.

(d) Sensitivity of the Collective Net OPEB Asset to Changes in the Discount Rate

The following presents the collective net OPEB asset of the Plan as of June 30, 2018, calculated using the discount rate of 8.0%, as well as what the Plan's collective net OPEB asset would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

1%	Current	1%
 Decrease (7%)	discount rate (8%)	Increase (9%)
\$ (3,524,000)	(3,506,000)	(3,496,000)

(6) Collective Deferred Outflows of Resources and Deferred Inflows of Resources

Deferred outflows of resources relate entirely to employer specific amounts.

The following presents a summary of changes in the collective deferred inflows of resources (excluding employer specific amounts) for the year ending June 30, 2018:

	Year of deferral	Amortization period	Beginning of year balance	Additions	Deductions	End of year balance
Deferred inflows of resources: Difference between expected and actual						
experience	2017	10.6 years	\$ 13,585	_	1,415	12,170
·	2018	10.2 years	·	248,000	24,314	223,686
			13,585	248,000	25,729	235,856
Difference between projected and actual						
earnings on OPEB plan investments	2017	5 years	124,000	_	31,000	93,000
•	2018	5 years		8,000	1,600	6,400
			124,000	8,000	32,600	99,400
Total deferred inflows of resources		;	\$ 137,585	256,000	58,329	335,256

Notes to Schedule of OPEB Amounts by Employer
June 30, 2018

Amounts reported as deferred inflows of resources (excluding employer specific amounts) related to OPEB will be recognized in OPEB expense as follows:

Year ending June 30:	
2019	\$ (58,329)
2020	(58,329)
2021	(58,329)
2022	(27,329)
2023	(25,729)
Thereafter	 (107,211)
Total	\$ (335,256)

(7) Collective OPEB Expense

The components of the collective OPEB benefit (excluding employer specific amounts) for the year ending June 30, 2018 are as follows:

Service cost	\$ 259,000
Interest on total OPEB liability	41,000
Expected investment return net of investment expenses	(282,000)
Recognition (amortization) of deferred outflows/inflows of resources:	
Difference between projected and actual investment earnings on	
OPEB plan investments	(32,600)
Difference between expected and actual experience	 (25,729)
Total OPEB benefit	\$ (40,329)