

State of Alaska Teachers' Retirement System

Information
Required under
Governmental
Accounting
Standards Board
Statement No. 68
as of June 30, 2018

January 2019

BUCK



January 30, 2019

State of Alaska
The Alaska Retirement Management Board
The Department of Revenue, Treasury Division
The Department of Administration, Division of Retirement and Benefits
P.O. Box 110203
Juneau, AK 99811-0203

Re: GASB 68 Report for June 30, 2019 reporting – TRS

Dear Members of The Alaska Retirement Management Board, The Department of Revenue, and The Department of Administration:

We have prepared the required accounting information for Governmental Accounting Standards Board (GASB) Statement No. 68 (GASB 68) for the State of Alaska Teachers' Retirement System (TRS) for June 30, 2019 reporting based on a measurement date of June 30, 2018. Under GASB 68, accounting information prepared under GASB 67 as of June 30, 2018 (as previously provided) serves as the basis for these disclosures. Please refer to the GASB 67 report dated October 5, 2018 for any supplemental information or documentation.

This report covers the pension portion of TRS. A separate GASB 75 report will be issued for the healthcare portion of TRS.

I certify that the information contained in this report has been prepared in accordance with generally accepted actuarial principles and practices. To the best of my knowledge, the information fairly presents the actuarial position of TRS in accordance with the requirements of GASB 68 as of the June 30, 2018 measurement date.

The Alaska Retirement Management Board (ARMB) and staff of the State of Alaska and its auditors may use this report for the review of the operation of TRS. The report may also be used in the preparation of State of Alaska's and participating employers' audited financial statements. Use of this report for any other purpose or by anyone other than the ARMB, the staff of the State of Alaska or its auditors may not be appropriate and may result in mistaken conclusions due to failure to understand applicable assumptions, methodologies, or inapplicability of the report for that purpose. Because of the risk of misinterpretation of actuarial results, we recommend requesting our advanced review of any statement to be

based on information contained in this report. Buck will accept no liability for any such statement made without prior review by Buck.

Future actuarial measurements may differ significantly from current measurements due to plan experience differing from that anticipated by the economic and demographic assumptions, changes in assumptions, changes expected as part of the natural operation of the methodology used for these measurements, and changes in plan provisions or applicable law. An analysis of the potential range of such future differences is beyond the scope of this report, except for the GASB 68 required disclosure of the sensitivity of net pension liability to changes in the discount rate.

In preparing the actuarial results, we have relied upon information provided by staff of the State of Alaska regarding plan provisions, participants, assets, contributions, and other matters used in the June 30, 2017 actuarial valuation of TRS. Although we did not audit the data, we reviewed the data for reasonableness and consistency with the prior year's information. The accuracy of the results presented herein is dependent upon the accuracy of the data.

This valuation was prepared based on the actuarial assumptions and methods used in the June 30, 2017 actuarial valuation of TRS, except as noted herein. We rolled forward the liabilities from that date to the June 30, 2018 measurement date, as GASB 68 permits. In my opinion, the actuarial assumptions used are appropriate for purposes of the valuation and are reasonably related to the experience of TRS and to reasonable long-term expectations.

Where presented, the "net pension liability" and "plan fiduciary net position as a percentage of the total pension liability" are measured on a market value of assets basis. These items presented may be appropriate for GASB 68 reporting but make no assessment regarding the cost to settle (i.e., purchase annuities) to cover any portion of the plan's liabilities.

This report was prepared under my supervision and in accordance with all applicable Actuarial Standards of Practice. I am a Fellow of the Society of Actuaries, an Enrolled Actuary, a Member of the American Academy of Actuaries, and a Fellow of the Conference of Consulting Actuaries. I meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

I am available to discuss this report with you at your convenience. I can be reached at (602) 803-6174.

Respectfully submitted,



David J. Kershner, FSA, EA, MAAA, FCA
Principal
Buck

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Section 1 – GASB 68 Information

Pension Expense

Measurement Date	June 30, 2018	June 30, 2017
Reporting Date	June 30, 2019	June 30, 2018
Service cost	\$ 64,961,000	\$ 68,376,000
Interest cost	572,791,000	559,165,000
Expected return on assets	(416,675,000)	(388,625,000)
Current period effect of benefit changes	0	0
Current period difference between expected and actual experience	(77,112,941)	(34,608,947)
Current period effect of changes in assumptions	0	0
Current period difference between projected and actual investment earnings	(3,173,600)	(47,911,800)
Member contributions	(37,674,000)	(39,878,000)
Administrative expenses	3,050,000	2,890,000
Service purchases and plan transfers	0	0
Current period recognition of prior years' deferred outflows of resources	131,535,800	139,005,038
Current period recognition of prior years' deferred inflows of resources	(148,646,968)	(93,721,940)
Other additions less other deductions	<u>(183,000)</u>	<u>(10,000)</u>
Total	\$ 88,872,291	\$ 164,680,351

The employers' allocation of the pension expense for June 30, 2019 reporting is shown in Schedule C in the Appendix.

The difference between projected and actual investment earnings is recognized over 5 years.

The effects of changes in assumptions and differences between expected and actual experience are recognized over the average future working lifetime. This period is:

- 1.7 years as of June 30, 2017 (for the June 30, 2018 measurement date)
- 1.9 years as of June 30, 2016 (for the June 30, 2017 measurement date)

Actuarial Assumptions

The total pension liability as of the June 30, 2018 measurement date was determined by an actuarial valuation as of June 30, 2017, using the actuarial assumptions outlined in Section 2, applied to all periods included in the measurement, and rolled forward to June 30, 2018.

The actuarial assumptions used in the June 30, 2017 actuarial valuation were based on the results of an actuarial experience study for the period July 1, 2009 to June 30, 2013, resulting in changes in actuarial assumptions adopted by the Alaska Retirement Management Board (ARMB) to better reflect expected future experience.

Actuarial Cost Method

Entry Age Normal – Level Percentage of Payroll

Asset Valuation Method

Invested assets are reported at fair value.

Allocation of Net Pension Liability

The employers' allocations of net pension liability as of the June 30, 2017 and June 30, 2018 measurement dates are shown in Schedule A and Schedule B, respectively, in the Appendix.

Allocation of Deferred Outflows/Inflows of Resources

The employers' allocation of deferred outflows/inflows of resources as of the June 30, 2018 measurement date is shown in Schedule C in the Appendix.

The chart below provides details of the deferred inflows/outflows as of the June 30, 2018 measurement date:

Date Created	Type	Original Amortization Period	Deferred (Inflow)/Outflow as of June 30, 2018
June 30, 2015	Asset Loss	5 years	\$43,368,000
June 30, 2016	Asset Loss	5 years	\$176,335,600
June 30, 2017	Asset Gain	5 years	\$(143,735,400)
June 30, 2018	Asset Gain	5 years	\$(12,694,400)
June 30, 2018	Liability Gain	1.7 years	\$(53,979,059)

Allocation of Future Years' Recognition of Deferred Outflows/Inflows

The employers' allocation of recognition of the deferred outflows/inflows as of the June 30, 2018 measurement date for each of the next five fiscal years and thereafter is shown in Schedule D in the Appendix. These amounts include recognition of the deferred outflows/inflows from prior years.

Allocation Methodology

Amounts for the June 30, 2017 measurement date were allocated to employers based on the present value of contributions for FY2019-FY2039, as determined by projections based on the June 30, 2016 valuation.

Amounts for the June 30, 2018 measurement date were allocated to employers based on the present value of contributions for FY2020-FY2039, as determined by projections based on the June 30, 2017 valuation.

Section 2 – Actuarial Assumptions and Methods¹

The funding method used in this valuation was adopted by the ARMB in October 2006. Changes in the amortization of unfunded actuarial accrued liability were made in 2014. The asset smoothing method used to determine valuation assets was changed effective June 30, 2014.

Benefits valued are those delineated in Alaska State statutes as of the valuation date. Changes in State statutes effective after the valuation date are not taken into consideration in setting the assumptions and methods.

Actuarial Cost Method – Entry Age Normal

Liabilities and contributions shown in the report are computed using the Entry Age Normal Actuarial Cost Method. Any funding surplus or unfunded accrued liability is amortized over a closed 25-year period (established June 30, 2014) as a level percentage of payroll amount. State statutes allow the contribution rate to be determined on payroll for all members, defined benefit and defined contribution member payroll combined.

Projected pension benefits were determined for all active members. Cost factors designed to produce annual costs as a constant percentage of each member's expected compensation in each year for pension benefits from the assumed entry age to the assumed retirement age were applied to the projected benefits to determine the normal cost (the portion of the total cost of the plan allocated to the current year under the method). The normal cost is determined by summing intermediate results for active members and determining an average normal cost rate which is then related to the total payroll of active members. The actuarial accrued liability for active members (the portion of the total cost of the plan allocated to prior years under the method) was determined as the excess of the actuarial present value of projected benefits over the actuarial present value of future normal costs.

The actuarial accrued liability for retired members and their beneficiaries currently receiving benefits, terminated vested members and disabled members not yet receiving benefits was determined as the actuarial present value of the benefits expected to be paid. No future normal costs are payable for these members.

The actuarial accrued liability under this method at any point in time is the theoretical amount of the fund that would have been accumulated had annual contributions equal to the normal cost been made in prior years (it does not represent the liability for benefits accrued to the valuation date). The unfunded actuarial accrued liability is the excess of the actuarial accrued liability over the actuarial value of plan assets measured on the valuation date.

Under this method, experience gains or losses, i.e., decreases or increases in accrued liabilities attributable to deviations in experience from the actuarial assumptions, adjust the unfunded actuarial accrued liability.

Valuation of Assets

The actuarial asset value was reinitialized to equal Fair Value of Assets as of June 30, 2014. Beginning in FY2015, the asset value method recognizes 20% of the gain or loss each year, for a period of 5 years. All assets are valued at fair value. Assets are accounted for on an accrued basis and are taken directly from financial statements audited by KPMG LLP.

¹ Used to determine funding assets and liabilities, and contribution rates.

Changes in Methods since the Prior Valuation

There have been no changes in methods since the prior valuation.

Actuarial Assumptions

The demographic and economic assumptions used in the June 30, 2017 valuation are described below. Unless otherwise noted, these assumptions were adopted by the ARMB in December 2014 based on an experience study performed as of June 30, 2013.

Investment Return	8.00% per year, net of all expenses.
Salary Scale	Inflation – 3.12% per year. Productivity – 0.50% per year. See Table 1.
Payroll Growth	3.62% per year (Inflation + Productivity).
Total Inflation	Total inflation as measured by the Consumer Price Index for urban and clerical workers for Anchorage is assumed to be 3.12% annually.
Mortality (Pre-termination)*	Based upon the 2010-2013 actual mortality experience (see Table 2). 68% of male rates and 60% of female rates of post-termination mortality. Deaths are assumed to result from non-occupational causes 85% of the time.
Mortality (Post-termination)*	Based upon the 2010-2013 actual mortality experience (see Table 3). 94% of male and 97% of female rates of RP-2000, 2000 Base Year projected to 2018 with Projection Scale BB, with a 3-year setback for males and a 4-year setback for females.
Turnover	Select and ultimate rates based upon the 2010-2013 actual withdrawal experience (see Table 4).
Disability	Incidence rates based upon the 2010-2013 actual disability experience (see Table 5). Post-disability mortality in accordance with the RP-2000 Disabled Retiree Mortality Table, 2000 Base Year, projected to 2018 with Projection Scale BB.
Retirement	Retirement rates based upon the 2010-2013 actual retirement experience (see Table 6). Deferred vested members are assumed to retire at their earliest unreduced retirement date.
Marriage and Age Difference	Wives are assumed to be three years younger than husbands. 85% of male members and 75% of female members are assumed to be married.

* The mortality assumptions include an allowance for expected future mortality improvement. The mortality table used was set in 2014 with an Actual Deaths to Expected Deaths ratio of 109%.

Contribution Refunds	5% of terminating members with vested benefits are assumed to have their contributions refunded. 100% of those with non-vested benefits are assumed to have their contributions refunded.
COLA	Of those benefit recipients who are eligible for the COLA, 60% are assumed to remain in Alaska and receive the COLA.
Sick Leave	4.5 days of unused sick leave for each year of service are assumed to be available to be credited once the member retires, terminates, or dies.
Postretirement Pension Adjustment	50% and 75% of assumed inflation, or 1.56% and 2.34% respectively, is valued for the annual automatic Postretirement Pension Adjustment (PRPA) as specified in the statute.
Expenses	The investment return assumption is net of all expenses.
Part-time Status	Part-time employees are assumed to earn 0.75 years of credited service per year.
Re-employment Option	All re-employed retirees are assumed to return to work under the Standard Option.
Service	Total credited service is provided by the State. This service is assumed to be the only service that should be used to calculate benefits. Additionally, the State provides claimed service (including Bureau of Indian Affairs Service). Claimed service is used for vesting and eligibility purposes as described in Section 3.
Final Average Earnings	Final Average Earnings is provided on the data for active members. This amount is used as a minimum in the calculation of the average earnings in the future.

Changes in Actuarial Assumptions since the Prior Valuation

There have been no changes in actuarial assumptions since the prior valuation.

Table 1: Salary Scale

Service	Pct Increase
0	8.11%
1	7.51%
2	6.91%
3	6.41%
4	6.11%
5	6.11%
6	5.90%
7	5.69%
8	5.55%
9	5.40%
10	5.26%
11	5.11%
12	4.96%
13	4.84%
14	4.72%
15	4.60%
16	4.49%
17	4.37%
18	4.27%
19	4.17%
20	4.07%
21	3.97%
22+	3.87%

Table 2: Pre-termination Mortality Rates

Age	Male	Female	Age	Male	Female
20	0.000182	0.000098	55	0.001615	0.000985
21	0.000191	0.000101	56	0.001766	0.001054
22	0.000200	0.000104	57	0.001901	0.001132
23	0.000209	0.000105	58	0.002117	0.001221
24	0.000216	0.000105	59	0.002409	0.001344
25	0.000222	0.000106	60	0.002643	0.001501
26	0.000226	0.000107	61	0.002917	0.001659
27	0.000228	0.000109	62	0.003229	0.001837
28	0.000228	0.000111	63	0.003599	0.002080
29	0.000229	0.000114	64	0.004021	0.002367
30	0.000231	0.000118	65	0.004504	0.002723
31	0.000238	0.000123	66	0.005057	0.003118
32	0.000249	0.000130	67	0.005594	0.003582
33	0.000269	0.000137	68	0.006202	0.004036
34	0.000302	0.000146	69	0.007017	0.004546
35	0.000340	0.000169	70	0.007828	0.005130
36	0.000382	0.000193	71	0.008702	0.005696
37	0.000425	0.000217	72	0.009643	0.006297
38	0.000468	0.000240	73	0.010813	0.006959
39	0.000509	0.000262	74	0.011964	0.007841
40	0.000547	0.000283	75	0.013285	0.008701
41	0.000584	0.000305	76	0.014797	0.009678
42	0.000618	0.000330	77	0.016508	0.010757
43	0.000653	0.000357	78	0.018423	0.011923
44	0.000692	0.000389	79	0.020534	0.013163
45	0.000736	0.000427	80	0.022841	0.014502
46	0.000787	0.000470	81	0.025382	0.015972
47	0.000846	0.000517	82	0.028208	0.017607
48	0.000913	0.000567	83	0.031344	0.019438
49	0.000979	0.000620	84	0.035081	0.021486
50	0.001050	0.000674	85	0.039193	0.023782
51	0.001126	0.000731			
52	0.001208	0.000791			
53	0.001295	0.000855			
54	0.001483	0.000908			

Table 3: Post-termination Mortality Rates

Age	Male	Female	Age	Male	Female
50	0.001544	0.001124	85	0.057637	0.039636
51	0.001656	0.001219	86	0.064248	0.043940
52	0.001777	0.001318	87	0.072770	0.048789
53	0.001904	0.001424	88	0.082264	0.054261
54	0.002181	0.001513	89	0.092884	0.060450
55	0.002375	0.001641	90	0.104794	0.068659
56	0.002597	0.001756	91	0.118129	0.077983
57	0.002795	0.001887	92	0.132941	0.088452
58	0.003113	0.002035	93	0.149196	0.100021
59	0.003543	0.002240	94	0.165479	0.112560
60	0.003887	0.002501	95	0.182705	0.125866
61	0.004289	0.002765	96	0.200693	0.139699
62	0.004749	0.003062	97	0.219249	0.153813
63	0.005293	0.003466	98	0.233940	0.164973
64	0.005913	0.003946	99	0.252821	0.178741
65	0.006624	0.004538	100	0.267022	0.188730
66	0.007436	0.005196	101	0.285888	0.201393
67	0.008227	0.005970	102	0.299408	0.209540
68	0.009121	0.006727	103	0.318102	0.220440
69	0.010318	0.007576	104	0.331094	0.226232
70	0.011511	0.008550	105	0.349384	0.237489
71	0.012798	0.009494	106	0.360058	0.246863
72	0.014180	0.010494	107	0.368483	0.258063
73	0.015902	0.011599	108	0.374013	0.270683
74	0.017595	0.013068	109	0.376000	0.284323
75	0.019536	0.014502	110	0.376000	0.298577
76	0.021760	0.016130	111	0.376000	0.313043
77	0.024276	0.017929	112	0.376000	0.327318
78	0.027093	0.019871	113	0.376000	0.340998
79	0.030198	0.021938	114	0.376000	0.353678
80	0.033590	0.024170	115	0.376000	0.364959
81	0.037326	0.026620	116	0.376000	0.374435
82	0.041482	0.029345	117	0.376000	0.381702
83	0.046095	0.032397	118	0.376000	0.386359
84	0.051589	0.035811	119	0.376000	0.388000

Table 4: Turnover Rates

Select Rates during First 8 Years of Employment

Svc	Male	Female
0	0.204	0.170
1	0.204	0.170
2	0.168	0.140
3	0.144	0.120
4	0.120	0.100
5	0.108	0.090
6	0.090	0.075
7	0.072	0.060

Ultimate Rates after First 8 Years of Employment

Age	Male	Female
15	0.031209	0.037185
16	0.031170	0.037157
17	0.031138	0.037138
18	0.031107	0.037129
19	0.031091	0.037120
20	0.030847	0.036848
21	0.030831	0.036848
22	0.030799	0.036839
23	0.030776	0.036839
24	0.030736	0.036830
25	0.030705	0.036830
26	0.030673	0.036820
27	0.030642	0.036762
28	0.030610	0.041480
29	0.030579	0.046198
30	0.030555	0.050917
31	0.030540	0.055635
32	0.030516	0.060353
33	0.030500	0.055569
34	0.030455	0.050784
35	0.030431	0.046000
36	0.030407	0.041215
37	0.030383	0.036431
38	0.030308	0.036362
39	0.030234	0.036293

Age	Male	Female
40	0.030159	0.036224
41	0.030085	0.036155
42	0.030010	0.036086
43	0.029866	0.035976
44	0.029721	0.035867
45	0.029577	0.035757
46	0.029432	0.035648
47	0.029288	0.035538
48	0.029046	0.035380
49	0.028805	0.035221
50	0.028563	0.035063
51	0.028248	0.034847
52	0.027878	0.034595
53	0.027468	0.034296
54	0.046305	0.059961
55	0.045414	0.059285
56	0.044334	0.058410
57	0.043012	0.057288
58	0.041567	0.056018
59	0.039826	0.054401
60	0.037868	0.052569
61	0.035694	0.050523
62	0.033170	0.048197
63	0.030294	0.045540
64	0.027176	0.042653
65+	0.054000	0.066000

Table 5: Disability Rates

Age	Unisex
20	0.000560
21	0.000563
22	0.000565
23	0.000574
24	0.000583
25	0.000593
26	0.000602
27	0.000611
28	0.000611
29	0.000612
30	0.000612
31	0.000613
32	0.000613
33	0.000622
34	0.000631
35	0.000641
36	0.000650
37	0.000659
38	0.000674
39	0.000689
40	0.000703
41	0.000718
42	0.000733
43	0.000770
44	0.000806
45	0.000843
46	0.000879
47	0.000916
48	0.000975
49	0.001034
50	0.001093
51	0.001152
52	0.001211
53	0.001356
54	0.001501

Table 6: Retirement Rates

Age	Reduced	Unreduced	
	Unisex	Male	Female
< 45	N/A	0.03	0.03
46	N/A	0.05	0.05
47	N/A	0.05	0.08
48	N/A	0.05	0.08
49	N/A	0.05	0.08
50	0.08	0.05	0.13
51	0.08	0.08	0.12
52	0.08	0.15	0.12
53	0.08	0.15	0.13
54	0.16	0.15	0.14
55	0.08	0.20	0.16
56	0.08	0.17	0.16
57	0.08	0.15	0.16
58	0.08	0.20	0.16
59	0.16	0.20	0.22
60	N/A	0.25	0.22
61	N/A	0.18	0.22
62	N/A	0.18	0.20
63	N/A	0.18	0.20
64	N/A	0.18	0.25
65	N/A	0.30	0.20
66	N/A	0.25	0.20
67	N/A	0.25	0.20
68	N/A	0.25	0.25
69	N/A	0.35	0.25
70	N/A	0.30	0.25
71	N/A	0.30	0.35
72	N/A	0.30	0.35
73	N/A	0.30	0.35
74	N/A	0.30	0.35
75-84	N/A	0.50	0.50
85+	N/A	1.00	1.00

Section 3 – Summary of Plan Provisions

1. **Effective Date**

July 1, 1955, with amendments through June 30, 2017. Chapter 97, 1990 Session Laws of Alaska, created a two-tier retirement system. Members who were first hired under TRS before July 1, 1990 (Tier 1) are eligible for different benefits than members hired after June 30, 1990 (Tier 2). Chapter 9, 2005 Session Laws of Alaska, closed the plan to new members hired after June 30, 2006.

2. **Administration of Plan**

The Commissioner of Administration or the Commissioner's designee is the administrator of the system. The Attorney General of the state is the legal counsel for the system and shall advise the administrator and represent the system in legal proceedings.

Prior to June 30, 2005, the Teachers' Retirement Board prescribed policies and adopted regulations and performed other activities necessary to carry out the provisions of the system. The Alaska State Pension Investment Board, Department of Revenue, Treasury Division was responsible for investing TRS funds.

On July 27, 2005, Senate Bill 141, enacted as Chapter 9, 2005 Session Laws of Alaska, replaced the Teachers' Retirement Board and the Alaska State Pension Investment Board with the Alaska Retirement Management Board.

3. **Employers Included**

Currently, there are 57 employers participating in TRS, including the State of Alaska, 53 school districts, and three other eligible organizations.

4. **Membership**

Membership in TRS is mandatory for the following employees hired before July 1, 2006:

- certificated full-time and part-time elementary and secondary teachers, certificated school nurses, and certificated employees in positions requiring teaching certificates;
- positions requiring a teaching certificate as a condition of employment in the Department of Education and Early Development and the Department of Labor and Workforce Development;
- University of Alaska full-time and part-time teachers, and full-time administrative employees in positions requiring academic standing if approved by the TRS administrator;
- certain full-time or part-time teachers of Alaska Native language or culture who have elected to be covered under TRS;
- members on approved sabbatical leave under AS 14.20.310;
- certain State legislators who have elected to be covered under TRS; and
- a teacher who has filed for worker's compensation benefits due to an on-the-job assault and who, as a result of the physical injury, is placed on leave without pay.

Employees participating in the University of Alaska's Optional Retirement Plan or other retirement plans funded by the State are not covered by TRS.

Employees who work half-time in TRS and Public Employees' Retirement System (PERS) simultaneously are eligible for half-time TRS and PERS credit.

Senate Bill 141, signed into law on July 27, 2005, closes the plan effective July 1, 2006 to new members first hired on or after July 1, 2006.

5. Credited Service

TRS members receive a year of membership credit if they work a minimum of 172 days during the school year (July 1 through June 30 of the following year). Fractional credit is determined based on the number of days worked. Part-time members who work at least 50% of full-time receive membership credit for each day in proportion to full-time service. Credit is granted for all Alaskan public school service.

Members may claim other types of service, including:

- Outside teaching service in out-of-state schools or Alaska private schools (not more than ten years may be claimed);
- Military service (not more than five years of military service or ten years of combined outside and military service may be claimed);
- Alaska Bureau of Indian Affairs (BIA) service;
- Retroactive Alaskan service that was not creditable at the time it occurred, but later became creditable because of legislative change;
- Unused sick leave credit after members retire; and
- Leave of absence without pay.

Except for retroactive Alaska service that occurred before July 1, 1955, and unused sick leave, contributions are required for all claimed service.

Members receiving TRS disability benefits continue to earn TRS credit while disabled.

Survivors who are receiving occupational death benefits continue to earn TRS service credit while occupational survivor benefits are being paid.

6. Employer Contributions

TRS employers contribute the amounts required, in addition to employees' contributions, to fund the benefits of the system.

The normal cost rate is a uniform rate for all participating employers (less the value of members' contributions).

The past service rate is a uniform rate for all participating employers to amortize the unfunded past service liability with payments that are a level percentage of payroll amount over a closed 25-year period starting June 30, 2014.

Employer rates cannot be less than the normal cost rate.

Pursuant to AS 14.25.070 effective July 1, 2008, each TRS employer will pay a uniform contribution rate of 12.56% of member payroll.

7. Additional State Contributions

Pursuant to AS14.25.085 effective July 1, 2008, the State shall contribute an amount (in addition to the State contribution as an employer) that when combined with the employer contribution (12.56% of total DB and DCR payroll, less employer contributions to DCR) will be sufficient to pay the total contribution rate adopted by the ARMB.

8. Member Contributions

Mandatory Contributions: Members are required to contribute 8.65% of their base salaries. Members' contributions are deducted from gross salaries before federal income taxes are withheld.

Contributions for Claimed Service: Member contributions are also required for most of the claimed service described in (5) above.

1% Supplemental Contributions: Members who joined the system before July 1, 1982 and elected to participate in the supplemental contributions provision are required to contribute an additional 1% of their salaries. Supplemental contributions are deducted from gross salaries after federal income taxes are withheld. Under the supplemental provision, an eligible spouse or dependent child will receive a survivor's allowance or spouse's pension if the member dies (see (11) below). Supplemental contributions are only refundable upon death (see (11) below).

Interest: Members' contributions earn 4.5% interest, compounded annually on June 30.

Refund of Contributions: Terminated members may receive refunds of their member contribution accounts which includes their mandatory contributions, indebtedness payments, and interest earned. Terminated members' accounts may be attached to satisfy claims under Alaska Statute 09.38.065, federal income tax levies, and valid Qualified Domestic Relations Orders.

Reinstatement of Contributions: Refunded accounts and the corresponding TRS service may be reinstated upon reemployment in TRS prior to July 1, 2010. Interest accrues on refunds until paid in full or members retire.

9. Retirement Benefits

Eligibility:

- (a) Members, including deferred vested members, are eligible for normal retirement at age 55 or early retirement at age 50 if they were hired before July 1, 1990 (Tier 1) and age 60 or early retirement at age 55 if they were hired on or after July 1, 1990 (Tier 2). Additionally, they must have at least:
 - (i) eight years of paid-up membership service;
 - (ii) 15 years of paid-up creditable service, the last five years of which are membership service, and they were first hired under TRS before July 1, 1975;
 - (iii) five years of paid-up membership service and three years of paid-up Alaska Bureau of Indian Affairs service;
 - (iv) 12 years of combined part-time and full-time paid-up membership service;
 - (v) two years of paid-up membership service if they are vested in PERS; or

- (vi) one year of paid-up membership service if they are retired from PERS.
- (b) Members may retire at any age when they have:
 - (i) 25 years of paid-up creditable service, the last five years of which are membership service;
 - (ii) 20 years of paid-up membership service;
 - (iii) 20 years of combined paid-up membership and Alaska Bureau of Indian Affairs service, the last five years of which are membership service; or
 - (iv) 20 years of combined paid-up part-time and full-time membership service.

Benefit Type: Lifetime benefits are paid to members. Eligible members may receive normal, unreduced benefits when they (1) reach normal retirement age and complete the service required; or (2) satisfy the minimum service requirements to retire at any age under (b) above. Members may receive early, actuarially reduced benefits when they reach early retirement age and complete the service required.

Members may select joint and survivor options and a last survivor option. Under those options and early retirement, benefits are actuarially adjusted so that members receive the actuarial equivalents of their normal benefit amounts.

Benefit Calculation: Retirement benefits are calculated by multiplying the average base salary (ABS) times the total TRS service times the percentage multiplier. The ABS is determined by averaging the salaries earned during the three highest school years. Members must earn at least 115 days of credit in a school year to include it in the ABS calculation. TRS pays a minimum benefit of \$25.00 per month for each year of service when the calculated benefit is less.

The percentage multipliers are 2% for the first 20 years and 2.5% for all remaining service. Service before July 1, 1990 is calculated at 2%.

Indebtedness: Members who terminate and refund their TRS contributions are not eligible to retire unless they return to TRS employment and pay back their refunds plus interest or accrue additional service which qualifies them for retirement. TRS refunds must be paid in full if the corresponding service is to count toward the minimum service requirements for retirement. Refunded TRS service is included in total service for the purpose of calculating retirement benefits. However, when refunds are not completely paid before retirement, benefits are actuarially reduced for life. Indebtedness balances may also be created when a member purchases qualified claimed service.

Reemployment of Retired Members: Retirees who return to work in a permanent full-time or part-time TRS position after a Normal Retirement are eligible to return under the Standard Option.

Under the Standard Option, retirement benefits are suspended while retired members are reemployed under TRS. During reemployment, members earn additional TRS service and contributions are withheld from their wages.

Members retired under the RIP who return to employment under TRS, PERS, Judicial Retirement System (JRS), or the University of Alaska's Optional Retirement Plan will:

- (a) forfeit the three years of incentive credits that they received;
- (b) owe TRS 110% of the benefits that they received under the RIP, which may include costs for health insurance, excluding amounts that they paid to participate; and
- (c) be charged 7% interest from the date that they are reemployed until their indebtedness is paid in full or they retire again. If the indebtedness is not completely paid, future benefits will be actuarially reduced for life.

Employers make contributions to the unfunded liability of the plan on behalf of rehired retired members at the rate the employer is making contributions to the unfunded liability of the plan for other members.

10. Disability Benefits

Monthly disability benefits are paid to permanently disabled members until they die, recover or become eligible for normal retirement. To be eligible, members must have at least five years of paid-up membership service.

Disability benefits are equal to 50% of the member's base salary at the time of disability. The benefit is increased by 10% of the base salary for each minor child, up to a maximum of 40%. Members continue to earn TRS service until eligible for normal retirement.

Members are appointed to normal retirement on the first of the month after they become eligible.

11. Death Benefits

Monthly death benefits may be paid to a spouse or dependent children upon the death of a member. If monthly benefits are not payable under the supplemental contributions provision or occupational and non-occupational death provisions, the designated beneficiary receives the lump sum benefit described below.

Occupational Death: When an active member dies from occupational causes, a monthly survivor's pension may be paid to the spouse, unless benefits are payable under the supplemental contributions provision (below). The pension equals 40% of the member's base salary on the date of death or disability, if earlier. If there is no spouse, the pension may be paid to the member's dependent children. On the member's normal retirement date, the benefit converts to a normal retirement benefit. The normal benefit is based on the member's average base salary on the date of death and service, including service accumulated from the date of the member's death to the normal retirement date.

Non-occupational Death: When a vested member dies from non-occupational causes, the surviving spouse may elect to receive a monthly 50% joint and survivor benefit or a lump sum benefit, unless benefits are payable under the supplemental contributions provision (below). The monthly benefit is calculated on the member's average base salary and TRS service accrued at the time of death.

Lump Sum Benefit: Upon the death of an active member who has less than one year of service or an inactive member who is not vested, the designated beneficiary receives the member's contribution account, which includes mandatory contributions, indebtedness payments, and interest earned. Any supplemental contributions will also be refunded. If the member has more than one year of TRS service or is vested, the beneficiary also receives \$1,000 and \$100 for each year of TRS service, up to a maximum of \$3,000. An additional \$500 may be payable if the member is survived by dependent children.

Supplemental Contributions Provision: Members are eligible for supplemental coverage if they joined TRS before July 1, 1982, elected to participate in the supplemental provision, and made the required contributions. A survivor's allowance or spouse's pension (below) may be payable if the member made supplemental contributions for at least one year and dies while in membership service or while disabled under TRS. In addition, the allowance and pension may be payable if the member dies while retired or in deferred vested status if supplemental contributions were made for at least five years.

- (a) Survivor's Allowance: If the member is survived by dependent children, the surviving spouse and dependent children are entitled to a survivor's allowance. The allowance for the spouse is equal to 35% of the member's base salary at the time of death or disability, plus 10% for each dependent child up to a maximum of 40%. The allowance terminates and a spouse's pension becomes payable when there is no longer an eligible dependent child.
- (b) Spouse's Pension: The spouse's pension is equal to 50% of the retirement benefit that the deceased member was receiving or the unreduced retirement benefit that the deceased member would have received if retired at the time of death. The spouse's pension begins on the first of the month after the member's death or termination of the survivor's allowance.
- (c) Death After Retirement: If a joint and survivor option was selected at retirement, the eligible spouse receives continuing, lifetime monthly benefits after the member dies. A survivor's allowance or spouse's pension may be payable if the member participated in the supplemental contributions provision. If a joint and survivor option was not selected and benefits are not payable under the supplemental contributions provision, the designated beneficiary receives the member's contribution account, less any benefits already paid and the member's last benefit check.

12. Postretirement Pension Adjustments

Postretirement pension adjustments (PRPAs) are granted annually to eligible benefit recipients when the consumer price index (CPI) for urban wage earners and clerical workers for Anchorage increases during the preceding calendar year. PRPAs are calculated by multiplying the recipient's base benefit, including past PRPAs, excluding the Alaska COLA, times:

- (a) 75% of the CPI increase in the preceding calendar year or 9%, whichever is less, if the recipient is at least age 65 or on TRS disability; or
- (b) 50% of the CPI increase in the preceding calendar year or 6%, whichever is less, if the recipient is at least age 60, or under age 60 if the recipient has been receiving benefits for at least eight years.

Ad hoc PRPAs, up to a maximum of 4%, may be granted to eligible recipients who were first hired before July 1, 1990 (Tier 1) if the CPI increases and the funded ratio is at least 105%.

In a year where an Ad Hoc PRPA is granted, eligible recipients will receive the higher of the two calculations.

13. Alaska Cost of Living Allowance (COLA)

Eligible benefit recipients who reside in Alaska receive an Alaska COLA equal to 10% of their base benefits. The following benefit recipients are eligible:

- (a) members who were first hired under TRS before July 1, 1990 (Tier 1) and their survivors;
- (b) members who were first hired under TRS after June 30, 1990 (Tier 2) and their survivors if they are at least age 65; and
- (c) all disabled members.

Changes in Benefit Provisions since the Prior Valuation

There have been no changes in benefit provisions since the prior valuation.

Appendix

State of Alaska Teachers' Retirement System
 Schedule A - Employers' Allocation of Net Pension Liability as of 6/30/2017

Employer Number	Employer Name	FY2017 Present Value of Future Contributions	Employer Proportion*	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Total Deferred Outflows	Total Deferred Inflows	Plan Fiduciary Net Position as % of Total Pension Liability	Covered Payroll
701	ANCHORAGE SD	271,744,000.00	12.69911%	931,976,215	674,614,433	257,361,782	13,370,417	(35,920,643)		
704	CORDOVA CITY SD	1,914,000.00	0.08944%	6,564,275	4,751,575	1,812,700	96,069	(209,180)		
705	CRAIG CITY SD	2,281,000.00	0.10660%	7,822,943	5,662,666	2,160,277	113,574	(269,635)		
706	FAIRBANKS NORTH STAR BOROUGH SD	75,982,000.00	3.55078%	260,588,704	188,628,098	71,960,606	3,794,392	(11,758,144)		
707	HAINES BOROUGH SD	1,690,000.00	0.07898%	5,796,043	4,195,487	1,600,556	82,244	(170,887)		
708	HOONAH CITY SD	1,080,000.00	0.05047%	3,703,980	2,681,140	1,022,840	46,764	(25,012)		
709	HYDABURG CITY SD	661,000.00	0.03089%	2,266,973	1,640,957	626,016	66,132	(10,441)		
710	JUNEAU BOROUGH SD	29,663,000.00	1.38621%	101,732,551	73,639,484	28,093,067	1,452,769	(3,345,791)		
712	KAKE CITY SD	1,101,000.00	0.05145%	3,776,002	2,733,273	1,042,729	59,810	(92,398)		
714	KETCHIKAN GATEWAY BOROUGH SD	14,700,000.00	0.68696%	50,415,282	36,493,288	13,921,993	740,719	(1,796,823)		
717	KLAWOCK CITY SD	1,224,000.00	0.05720%	4,197,844	3,038,625	1,159,219	65,404	(143,995)		
718	KODIAK ISLAND BOROUGH SD	14,206,000.00	0.66387%	48,721,054	35,266,915	13,454,139	712,236	(1,563,590)		
719	NENANA CITY SD	2,217,000.00	0.10360%	7,603,448	5,503,784	2,099,664	125,038	(276,488)		
720	NOME CITY SD	4,483,000.00	0.20950%	15,374,946	11,129,212	4,245,734	240,577	(764,012)		
722	MATANUSKA-SUSITNA BOROUGH SD	100,425,000.00	4.69305%	344,418,686	249,308,741	95,109,945	5,078,704	(12,431,647)		
723	PELICAN CITY SD	-	0.00312%	228,787	165,608	63,179	2,889	(3,521)		
724	PETERSBURG CITY SD	3,482,000.00	0.16272%	11,941,906	8,644,193	3,297,713	162,851	(275,040)		
727	SITKA BOROUGH SD	9,230,000.00	0.43134%	31,655,310	22,913,813	8,741,497	453,702	(1,077,408)		
728	SKAGWAY CITY SD	962,000.00	0.04496%	3,299,286	2,388,200	911,086	52,782	(67,038)		
729	UNALASKA CITY SD	2,744,000.00	0.12823%	9,410,853	6,812,081	2,598,772	132,375	(486,177)		
730	VALDEZ CITY SD	4,923,000.00	0.23006%	16,883,975	12,221,528	4,662,447	257,224	(474,781)		
731	WRANGELL PUBLIC SD	1,938,000.00	0.09057%	6,646,586	4,811,156	1,835,430	107,963	(188,374)		
732	YAKUTAT SD	560,000.00	0.02617%	1,920,582	1,390,221	530,362	24,248	(98,876)		
733	UNIVERSITY OF ALASKA	34,486,000.00	1.61160%	118,273,565	85,612,758	32,660,807	1,558,969	(5,656,019)		
735	GALENA CITY SD	5,591,000.00	0.26128%	19,174,955	13,879,862	5,295,093	275,623	(560,702)		
736	NORTH SLOPE BOROUGH SD	14,040,000.00	0.65612%	48,151,739	34,854,814	13,296,924	750,337	(2,730,836)		
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	14,361,000.00	0.67112%	49,252,644	35,651,708	13,600,935	621,834	(958,051)		
742	BRISTOL BAY BOROUGH SD	665,000.00	0.03108%	2,280,691	1,650,887	629,804	33,977	(147,506)		
743	SOUTHEAST REGIONAL RESOURCE CENTER	757,000.00	0.03538%	2,596,216	1,879,280	716,935	52,847	(14,310)		
744	DILLINGHAM CITY SD	3,633,000.00	0.16978%	12,459,777	9,019,056	3,440,721	173,624	(555,598)		
746	KENAI PENINSULA BOROUGH SD	50,753,000.00	2.37178%	174,063,048	125,996,181	48,066,866	2,596,721	(7,976,952)		
748	SAINT MARY'S SD	1,172,000.00	0.05477%	4,019,504	2,909,533	1,109,971	56,626	(73,729)		
751	NORTHWEST ARCTIC BOROUGH SD	14,441,000.00	0.67486%	49,527,013	35,850,311	13,676,701	804,571	(1,859,753)		
752	BERING STRAIT SD	15,616,000.00	0.72977%	53,556,806	38,767,292	14,789,514	776,674	(1,541,683)		
753	LOWER YUKON SD	12,581,000.00	0.58793%	43,147,936	31,232,793	11,915,143	646,620	(2,392,028)		
754	LOWER KUSKOKWIM SD	27,671,000.00	1.29312%	94,900,766	68,694,271	26,206,495	1,294,754	(3,198,039)		
755	KUSPUK SD	3,082,000.00	0.14403%	10,570,061	7,651,178	2,918,883	187,342	(518,976)		
756	SOUTHWEST REGION SD	4,365,000.00	0.20398%	14,970,252	10,836,272	4,133,980	222,053	(723,238)		
757	LAKE AND PENINSULA BOROUGH SD	3,499,000.00	0.16351%	12,000,209	8,686,396	3,313,813	185,654	(615,196)		
758	ALEUTIAN REGION SD	337,000.00	0.01575%	1,155,779	836,615	319,164	14,592	(28,548)		
759	PRIBILOF SD	472,000.00	0.02206%	1,618,776	1,171,757	447,019	20,438	(60,419)		
761	IDITAROD AREA SD	1,436,000.00	0.06711%	4,924,921	3,564,923	1,359,999	82,281	(635,757)		
762	YUKON / KOYUKUK SD	4,427,000.00	0.20688%	15,182,888	10,990,190	4,192,698	263,597	(977,593)		
763	YUKON FLATS SD	2,018,000.00	0.09430%	6,920,955	5,009,759	1,911,196	87,380	(387,036)		
764	DENALI BOROUGH SD	2,352,000.00	0.10991%	8,066,445	5,838,926	2,227,519	104,030	(117,696)		
765	DELTA/GREELY SD	4,209,000.00	0.19669%	14,435,233	10,448,997	3,986,236	206,952	(469,489)		
766	ALASKA GATEWAY SD	2,592,000.00	0.12113%	8,889,552	6,434,735	2,454,817	130,079	(480,202)		
767	COPPER RIVER SD	1,989,000.00	0.09295%	6,821,496	4,937,765	1,883,731	103,619	(376,712)		
768	CHATHAM SD	1,407,000.00	0.06575%	4,825,463	3,492,929	1,332,534	81,470	(105,058)		
769	SOUTHEAST ISLAND SD	1,637,000.00	0.07650%	5,614,273	4,063,912	1,550,361	84,301	(358,485)		

State of Alaska Teachers' Retirement System
 Schedule A - Employers' Allocation of Net Pension Liability as of 6/30/2017

Employer Number	Employer Name	Net Pension Liability as % of Covered Payroll	Net Pension Liability 1% Decrease (7.0% Discount Rate)	Net Pension Liability 1% Increase (9.0% Discount Rate)
701	ANCHORAGE SD		362,783,100	168,796,418
704	CORDOVA CITY SD		2,555,224	1,188,900
705	CRAIG CITY SD		3,045,176	1,416,865
706	FAIRBANKS NORTH STAR BOROUGH SD		101,437,329	47,196,955
707	HAINES BOROUGH SD		2,256,180	1,049,760
708	HOONAH CITY SD		1,441,819	670,852
709	HYDABURG CITY SD		882,447	410,587
710	JUNEAU BOROUGH SD		39,600,635	18,425,460
712	KAKE CITY SD		1,469,855	683,897
714	KETCHIKAN GATEWAY BOROUGH SD		19,624,763	9,131,047
717	KLAWOCK CITY SD		1,634,062	760,299
718	KODIAK ISLAND BOROUGH SD		18,965,264	8,824,195
719	NENANA CITY SD		2,959,735	1,377,111
720	NOME CITY SD		5,984,885	2,784,659
722	MATANUSKA-SUSITNA BOROUGH SD		134,069,171	62,379,962
723	PELICAN CITY SD		89,058	41,437
724	PETERSBURG CITY SD		4,648,532	2,162,878
727	SITKA BOROUGH SD		12,322,215	5,733,304
728	SKAGWAY CITY SD		1,284,287	597,556
729	UNALASKA CITY SD		3,663,289	1,704,462
730	VALDEZ CITY SD		6,572,293	3,057,969
731	WRANGELL PUBLIC SD		2,587,265	1,203,807
732	YAKUTAT SD		747,610	347,849
733	UNIVERSITY OF ALASKA		46,039,427	21,421,313
735	GALENA CITY SD		7,464,085	3,472,904
736	NORTH SLOPE BOROUGH SD		18,743,651	8,721,082
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)		19,172,192	8,920,474
742	BRISTOL BAY BOROUGH SD		887,787	413,071
743	SOUTHEAST REGIONAL RESOURCE CENTER		1,010,609	470,218
744	DILLINGHAM CITY SD		4,850,120	2,256,673
746	KENAI PENINSULA BOROUGH SD		67,756,163	31,525,718
748	SAINT MARY'S SD		1,564,641	727,999
751	NORTHWEST ARCTIC BOROUGH SD		19,278,993	8,970,167
752	BERING STRAIT SD		20,847,639	9,700,030
753	LOWER YUKON SD		16,795,860	7,814,810
754	LOWER KUSKOKWIM SD		36,941,280	17,188,110
755	KUSPUK SD		4,114,525	1,914,414
756	SOUTHWEST REGION SD		5,827,353	2,711,362
757	LAKE AND PENINSULA BOROUGH SD		4,671,228	2,173,438
758	ALEUTIAN REGION SD		449,901	209,331
759	PRIBILOF SD		630,128	293,187
761	IDITAROD AREA SD		1,917,086	891,985
762	YUKON / KOYUKUK SD		5,910,124	2,749,874
763	YUKON FLATS SD		2,694,066	1,253,500
764	DENALI BOROUGH SD		3,139,962	1,460,968
765	DELTA/GREELY SD		5,619,090	2,614,461
766	ALASKA GATEWAY SD		3,460,366	1,610,046
767	COPPER RIVER SD		2,655,351	1,235,487
768	CHATHAM SD		1,878,370	873,972
769	SOUTHEAST ISLAND SD		2,185,424	1,016,838

State of Alaska Teachers' Retirement System
 Schedule A - Employers' Allocation of Net Pension Liability as of 6/30/2017

Employer Number	Employer Name	FY2017 Present Value of Future Contributions	Employer Proportion*	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Total Deferred Outflows	Total Deferred Inflows	Plan Fiduciary Net Position as % of Total Pension Liability	Covered Payroll
770	ANNETTE ISLAND SD	2,228,000.00	0.10412%	7,641,173	5,531,092	2,110,082	128,039	(558,468)		
771	CHUGACH SD	1,524,000.00	0.07122%	5,226,727	3,783,386	1,443,341	80,585	(172,229)		
775	TANANA SD	463,000.00	0.02164%	1,587,910	1,149,414	438,495	20,048	(10,213)		
777	KASHUNAMIUT SD	1,994,000.00	0.09318%	6,838,644	4,950,178	1,888,466	102,715	(279,232)		
778	YUPIIT SD	2,398,000.00	0.11206%	8,224,207	5,953,123	2,271,084	126,226	(872,245)		
779	SPECIAL EDUCATION SERVICE AGENCY	890,000.00	0.04159%	3,052,354	2,209,458	842,896	42,833	(136,132)		
780	ALEUTIANS EAST BOROUGH SD	2,308,000.00	0.10786%	7,915,542	5,729,695	2,185,848	136,031	(277,448)		
Subtotal		788,604,000.00	36.85608%	2,704,833,749	1,957,903,922	746,929,827	39,292,324	(107,275,475.95)		
Nonemployer:										
999	STATE OF ALASKA	1,351,195,000.00	63.14392%	4,634,073,251	3,354,391,078	1,279,682,173	153,225,749	(26,385,564)		
Total		2,139,799,000.00	100.00000%	7,338,907,000	5,312,295,000	2,026,612,000	192,518,072	(133,661,040)	72.39%	449,629,000

All amounts are determined without rounding. Rounded amounts are displayed.

*Same as FY16 for certain employers who have zero present value of future contributions. All other employers are allocated the remaining 99.99688% based on present value of future contributions.

State of Alaska Teachers' Retirement System
 Schedule A - Employers' Allocation of Net Pension Liability as of 6/30/2017

Employer Number	Employer Name	Net Pension Liability as % of Covered Payroll	Net Pension Liability 1% Decrease (7.0% Discount Rate)	Net Pension Liability 1% Increase (9.0% Discount Rate)
770	ANNETTE ISLAND SD		2,974,420	1,383,944
771	CHUGACH SD		2,034,567	946,647
775	TANANA SD		618,113	287,597
777	KASHUNAMIUT SD		2,662,026	1,238,592
778	YUPIIT SD		3,201,373	1,489,541
779	SPECIAL EDUCATION SERVICE AGENCY		1,188,166	552,832
780	ALEUTIANS EAST BOROUGH SD		3,081,221	1,433,637
Subtotal			1,052,889,501.20	489,890,452.45
Nonemployer:				
999	STATE OF ALASKA		1,803,869,489	839,307,866
Total		450.73%	2,856,758,990	1,329,198,318

All amounts are determined without rounding. Rounded amounts are displayed.

*Same as FY16 for certain employers who have zero present value of future contributions. All other emplo

State of Alaska Teachers' Retirement System
Schedule B - Employers' Allocation of Net Pension Liability as of 6/30/2018

Employer Number	Employer Name	FY2018 Present Value of Future Contributions	Employer Proportion	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Total Deferred Outflows	Total Deferred Inflows
701	ANCHORAGE SD	254,202,000.00	13.88626%	1,025,785,744	759,957,057	265,828,687	15,483,030	(7,495,672)
704	CORDOVA CITY SD	2,142,000.00	0.11701%	8,643,650	6,403,679	2,239,971	280,643	(63,161)
705	CRAIG CITY SD	2,375,000.00	0.12974%	9,583,879	7,100,251	2,483,628	246,748	(70,032)
706	FAIRBANKS NORTH STAR BOROUGH SD	71,052,000.00	3.88135%	286,717,369	212,415,594	74,301,775	4,365,803	(2,095,115)
707	HAINES BOROUGH SD	1,618,000.00	0.08839%	6,529,143	4,837,139	1,692,004	101,749	(47,710)
708	HOONAH CITY SD	593,000.00	0.03239%	2,392,943	1,772,821	620,123	20,497	(175,290)
709	HYDABURG CITY SD	625,000.00	0.03414%	2,522,073	1,868,487	653,586	45,177	(18,429)
710	JUNEAU BOROUGH SD	26,973,000.00	1.47345%	108,844,615	80,637,925	28,206,691	1,351,794	(795,355)
712	KAKE CITY SD	716,000.00	0.03911%	2,889,287	2,140,539	748,748	24,748	(128,751)
714	KETCHIKAN GATEWAY BOROUGH SD	14,034,000.00	0.76663%	56,631,644	41,955,757	14,675,887	967,217	(413,822)
717	KLAWOCK CITY SD	1,235,000.00	0.06746%	4,983,617	3,692,131	1,291,486	113,863	(36,417)
718	KODIAK ISLAND BOROUGH SD	14,515,000.00	0.79291%	58,572,632	43,393,745	15,178,887	1,326,459	(428,005)
719	NENANA CITY SD	2,124,000.00	0.11603%	8,571,014	6,349,867	2,221,147	159,558	(62,631)
720	NOME CITY SD	3,900,000.00	0.21304%	15,737,738	11,659,360	4,078,378	134,802	(128,898)
722	MATANUSKA-SUSITNA BOROUGH SD	94,658,000.00	5.17087%	381,975,071	282,987,605	98,987,466	6,086,874	(2,791,187)
723	PELICAN CITY SD	64,000.00	0.00350%	258,260	191,333	66,927	3,436	(1,887)
724	PETERSBURG CITY SD	3,125,000.00	0.17071%	12,610,367	9,342,436	3,267,931	169,949	(92,147)
727	SITKA BOROUGH SD	8,504,000.00	0.46455%	34,316,339	25,423,383	8,892,956	482,470	(250,758)
728	SKAGWAY CITY SD	866,000.00	0.04731%	3,494,585	2,588,976	905,609	37,037	(25,536)
729	UNALASKA CITY SD	2,470,000.00	0.13493%	9,967,234	7,384,261	2,582,973	116,910	(72,833)
730	VALDEZ CITY SD	5,004,000.00	0.27335%	20,192,728	14,959,855	5,232,873	478,172	(147,553)
731	WRANGELL PUBLIC SD	1,671,000.00	0.09128%	6,743,015	4,995,587	1,747,428	57,757	(63,754)
732	YAKUTAT SD	486,000.00	0.02655%	1,961,164	1,452,936	508,229	16,798	(16,325)
733	UNIVERSITY OF ALASKA	30,663,000.00	1.67502%	123,734,936	91,669,472	32,065,464	1,346,077	(904,162)
735	GALENA CITY SD	5,570,000.00	0.30427%	22,476,718	16,651,957	5,824,761	478,960	(164,243)
736	NORTH SLOPE BOROUGH SD	14,137,000.00	0.77226%	57,047,282	42,263,684	14,783,598	1,203,051	(416,859)
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	12,247,000.00	0.66902%	49,420,532	36,613,379	12,807,153	423,311	(382,106)
742	BRISTOL BAY BOROUGH SD	626,000.00	0.03420%	2,526,109	1,871,477	654,632	38,008	(18,459)
743	SOUTHEAST REGIONAL RESOURCE CENTER	650,000.00	0.03551%	2,622,956	1,943,227	679,730	22,467	(30,153)
744	DILLINGHAM CITY SD	3,067,000.00	0.16754%	12,376,318	9,169,040	3,207,278	106,009	(158,777)
746	KENAI PENINSULA BOROUGH SD	47,873,000.00	2.61515%	193,182,748	143,120,134	50,062,615	3,052,765	(1,411,634)
748	SAINT MARY'S SD	1,272,000.00	0.06949%	5,132,924	3,802,745	1,330,179	148,534	(37,508)
751	NORTHWEST ARCTIC BOROUGH SD	13,796,000.00	0.75363%	55,671,238	41,244,237	14,427,001	942,434	(406,804)
752	BERING STRAIT SD	16,254,000.00	0.88791%	65,590,048	48,592,623	16,997,425	1,575,498	(479,283)
753	LOWER YUKON SD	12,913,000.00	0.70540%	52,108,053	38,604,439	13,503,615	1,172,610	(380,767)
754	LOWER KUSKOKWIM SD	26,676,000.00	1.45723%	107,646,126	79,750,020	27,896,106	1,854,446	(786,597)
755	KUSPUK SD	2,584,000.00	0.14116%	10,427,260	7,725,073	2,702,187	89,315	(128,822)
756	SOUTHWEST REGION SD	5,154,000.00	0.28155%	20,798,026	15,408,292	5,389,734	703,243	(151,976)
757	LAKE AND PENINSULA BOROUGH SD	3,703,000.00	0.20228%	14,942,780	11,070,412	3,872,368	391,816	(109,191)
758	ALEUTIAN REGION SD	330,000.00	0.01803%	1,331,655	986,561	345,094	23,734	(9,731)
759	PRIBILOF SD	569,000.00	0.03108%	2,296,096	1,701,071	595,025	81,180	(16,778)
761	IDITAROD AREA SD	1,427,000.00	0.07795%	5,758,398	4,266,130	1,492,268	116,909	(42,078)
762	YUKON / KOYUKUK SD	4,332,000.00	0.23664%	17,480,995	12,950,858	4,530,137	337,713	(127,738)
763	YUKON FLATS SD	2,055,000.00	0.11226%	8,292,577	6,143,586	2,148,992	184,947	(60,596)
764	DENALI BOROUGH SD	2,269,000.00	0.12395%	9,156,135	6,783,356	2,372,779	169,785	(66,906)
765	DELTA/GREELY SD	3,960,000.00	0.21632%	15,979,857	11,838,734	4,141,122	250,189	(116,769)
766	ALASKA GATEWAY SD	2,581,000.00	0.14099%	10,415,154	7,716,104	2,699,050	223,042	(76,106)
767	COPPER RIVER SD	1,614,000.00	0.08817%	6,513,002	4,825,181	1,687,821	55,787	(100,971)
768	CHATHAM SD	1,172,000.00	0.06402%	4,729,392	3,503,787	1,225,605	40,510	(62,757)
769	SOUTHEAST ISLAND SD	1,654,000.00	0.09035%	6,674,415	4,944,764	1,729,651	142,625	(48,772)

State of Alaska Teachers' Retirement System
 Schedule B - Employers' Allocation of Net Pension Liability as of 6/30/2018

Employer Number	Employer Name	Plan Fiduciary Net Position as % of Total Pension Liability	Covered Payroll	Net Pension Liability as % of Covered Payroll	Net Pension Liability 1% Decrease (7.0% Discount Rate)	Net Pension Liability 1% Increase (9.0% Discount Rate)
701	ANCHORAGE SD				380,277,902	169,524,633
704	CORDOVA CITY SD				3,204,362	1,428,477
705	CRAIG CITY SD				3,552,923	1,583,862
706	FAIRBANKS NORTH STAR BOROUGH SD				106,291,475	47,383,829
707	HAINES BOROUGH SD				2,420,475	1,079,027
708	HOONAH CITY SD				887,109	395,465
709	HYDABURG CITY SD				934,980	416,806
710	JUNEAU BOROUGH SD				40,350,728	17,988,009
712	KAKE CITY SD				1,071,113	477,493
714	KETCHIKAN GATEWAY BOROUGH SD				20,994,406	9,359,127
717	KLAWOCK CITY SD				1,847,520	823,608
718	KODIAK ISLAND BOROUGH SD				21,713,967	9,679,900
719	NENANA CITY SD				3,177,435	1,416,473
720	NOME CITY SD				5,834,273	2,600,869
722	MATANUSKA-SUSITNA BOROUGH SD				141,605,281	63,126,422
723	PELICAN CITY SD				95,742	42,681
724	PETERSBURG CITY SD				4,674,898	2,084,030
727	SITKA BOROUGH SD				12,721,707	5,671,228
728	SKAGWAY CITY SD				1,295,508	577,526
729	UNALASKA CITY SD				3,695,039	1,647,217
730	VALDEZ CITY SD				7,485,821	3,337,115
731	WRANGELL PUBLIC SD				2,499,762	1,114,372
732	YAKUTAT SD				727,040	324,108
733	UNIVERSITY OF ALASKA				45,870,848	20,448,831
735	GALENA CITY SD				8,332,538	3,714,574
736	NORTH SLOPE BOROUGH SD				21,148,491	9,427,816
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)				18,321,113	8,167,395
742	BRISTOL BAY BOROUGH SD				936,476	417,473
743	SOUTHEAST REGIONAL RESOURCE CENTER				972,379	433,478
744	DILLINGHAM CITY SD				4,588,132	2,045,350
746	KENAI PENINSULA BOROUGH SD				71,616,447	31,925,999
748	SAINT MARY'S SD				1,902,871	848,283
751	NORTHWEST ARCTIC BOROUGH SD				20,638,366	9,200,407
752	BERING STRAIT SD				24,315,454	10,839,621
753	LOWER YUKON SD				19,317,427	8,611,543
754	LOWER KUSKOKWIM SD				39,906,426	17,789,943
755	KUSPUK SD				3,865,580	1,723,242
756	SOUTHWEST REGION SD				7,710,216	3,437,148
757	LAKE AND PENINSULA BOROUGH SD				5,539,567	2,469,492
758	ALEUTIAN REGION SD				493,669	220,074
759	PRIBILOF SD				851,205	379,460
761	IDITAROD AREA SD				2,134,745	951,651
762	YUKON / KOYUKUK SD				6,480,531	2,888,965
763	YUKON FLATS SD				3,074,213	1,370,458
764	DENALI BOROUGH SD				3,394,350	1,513,172
765	DELTA/GREELY SD				5,924,031	2,640,882
766	ALASKA GATEWAY SD				3,861,092	1,721,242
767	COPPER RIVER SD				2,414,491	1,076,360
768	CHATHAM SD				1,753,274	781,594
769	SOUTHEAST ISLAND SD				2,474,330	1,103,035

State of Alaska Teachers' Retirement System
 Schedule B - Employers' Allocation of Net Pension Liability as of 6/30/2018

Employer Number	Employer Name	FY2018 Present Value of Future Contributions	Employer Proportion	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	Total Deferred Outflows	Total Deferred Inflows
770	ANNETTE ISLAND SD	2,002,000.00	0.10936%	8,078,705	5,985,138	2,093,567	69,854	(59,033)
771	CHUGACH SD	1,349,000.00	0.07369%	5,443,643	4,032,943	1,410,701	57,792	(39,778)
775	TANANA SD	277,000.00	0.01513%	1,117,783	828,113	289,669	9,574	(66,189)
777	KASHUNAMIUT SD	1,740,000.00	0.09505%	7,021,452	5,201,868	1,819,584	60,142	(63,348)
778	YUPIIT SD	3,005,000.00	0.16415%	12,126,129	8,983,686	3,142,443	467,728	(88,609)
779	SPECIAL EDUCATION SERVICE AGENCY	846,000.00	0.04621%	3,413,878	2,529,184	884,694	51,277	(24,946)
780	ALEUTIANS EAST BOROUGH SD	2,175,000.00	0.11881%	8,776,815	6,502,335	2,274,480	136,090	(64,134)
Subtotal		743,494,000.00	40.61475%	3,000,234,247	2,222,734,330	777,499,917	48,098,912	(22,523,845.05)
Nonemployer:								
999	STATE OF ALASKA	1,087,107,000.00	59.38525%	4,386,821,753	3,249,992,670	1,136,829,083	37,575,305	(53,855,631)
Total		1,830,601,000.00	100.00000%	7,387,056,000	5,472,727,000	1,914,329,000	85,674,217	(76,379,476)

All amounts are determined without rounding. Rounded amounts are displayed.

State of Alaska Teachers' Retirement System
 Schedule B - Employers' Allocation of Net Pension Liability as of 6/30/2018

Employer Number	Employer Name	Plan Fiduciary Net Position as % of Total Pension Liability	Covered Payroll	Net Pension Liability as % of Covered Payroll	Net Pension Liability 1% Decrease (7.0% Discount Rate)	Net Pension Liability 1% Increase (9.0% Discount Rate)
770	ANNETTE ISLAND SD				2,994,927	1,335,113
771	CHUGACH SD				2,018,060	899,634
775	TANANA SD				414,383	184,728
777	KASHUNAMIUT SD				2,602,983	1,160,388
778	YUPIIT SD				4,495,382	2,004,003
779	SPECIAL EDUCATION SERVICE AGENCY				1,265,588	564,188
780	ALEUTIANS EAST BOROUGH SD				3,253,729	1,450,485
Subtotal					1,112,242,776.31	495,828,306.42
Nonemployer: 999	STATE OF ALASKA				1,626,276,618	724,980,192
Total		74.09%	425,841,000	449.54%	2,738,519,394	1,220,808,498

All amounts are determined without rounding. Rounded amounts are displayed.

State of Alaska Teachers' Retirement System
Schedule C - Employers' Allocation of Pension Amounts as of 6/30/2018

Employer Number	Employer Name	Net Pension Liability	Employer Proportion	Deferred Outflows of Resources					
				Difference Between Expected and Actual Experience	Changes in Assumptions	Changes in Benefits	Difference Between Projected and Actual Investment Earnings	Changes in Proportion and Differences Between Employer Contributions	Total Deferred Outflows
701	ANCHORAGE SD	265,828,687	13.88626%	-	-	-	8,786,364	6,696,666	15,483,030
704	CORDOVA CITY SD	2,239,971	0.11701%	-	-	-	74,037	206,606	280,643
705	CRAIG CITY SD	2,483,628	0.12974%	-	-	-	82,091	164,657	246,748
706	FAIRBANKS NORTH STAR BOROUGH SD	74,301,775	3.88135%	-	-	-	2,455,877	1,909,927	4,365,803
707	HAINES BOROUGH SD	1,692,004	0.08839%	-	-	-	55,925	45,823	101,749
708	HOONAH CITY SD	620,123	0.03239%	-	-	-	20,497	-	20,497
709	HYDABURG CITY SD	653,586	0.03414%	-	-	-	21,603	23,574	45,177
710	JUNEAU BOROUGH SD	28,206,691	1.47345%	-	-	-	932,308	419,486	1,351,794
712	KAKE CITY SD	748,748	0.03911%	-	-	-	24,748	-	24,748
714	KETCHIKAN GATEWAY BOROUGH SD	14,675,887	0.76663%	-	-	-	485,078	482,138	967,217
717	KLAWOCK CITY SD	1,291,486	0.06746%	-	-	-	42,687	71,176	113,863
718	KODIAK ISLAND BOROUGH SD	15,178,887	0.79291%	-	-	-	501,704	824,755	1,326,459
719	NENANA CITY SD	2,221,147	0.11603%	-	-	-	73,415	86,143	159,558
720	NOME CITY SD	4,078,378	0.21304%	-	-	-	134,802	-	134,802
722	MATANUSKA-SUSITNA BOROUGH SD	98,987,466	5.17087%	-	-	-	3,271,806	2,815,068	6,086,874
723	PELICAN CITY SD	66,927	0.00350%	-	-	-	2,212	1,224	3,436
724	PETERSBURG CITY SD	3,267,931	0.17071%	-	-	-	108,014	61,935	169,949
727	SITKA BOROUGH SD	8,892,956	0.46455%	-	-	-	293,936	188,533	482,470
728	SKAGWAY CITY SD	905,609	0.04731%	-	-	-	29,933	7,104	37,037
729	UNALASKA CITY SD	2,582,973	0.13493%	-	-	-	85,374	31,536	116,910
730	VALDEZ CITY SD	5,232,873	0.27335%	-	-	-	172,961	305,211	478,172
731	WRANGELL PUBLIC SD	1,747,428	0.09128%	-	-	-	57,757	-	57,757
732	YAKUTAT SD	508,229	0.02655%	-	-	-	16,798	-	16,798
733	UNIVERSITY OF ALASKA	32,065,464	1.67502%	-	-	-	1,059,851	286,226	1,346,077
735	GALENA CITY SD	5,824,761	0.30427%	-	-	-	192,524	286,436	478,960
736	NORTH SLOPE BOROUGH SD	14,783,598	0.77226%	-	-	-	488,638	714,412	1,203,051
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	12,807,153	0.66902%	-	-	-	423,311	-	423,311
742	BRISTOL BAY BOROUGH SD	654,632	0.03420%	-	-	-	21,637	16,371	38,008
743	SOUTHEAST REGIONAL RESOURCE CENTER	679,730	0.03551%	-	-	-	22,467	-	22,467
744	DILLINGHAM CITY SD	3,207,278	0.16754%	-	-	-	106,009	-	106,009
746	KENAI PENINSULA BOROUGH SD	50,062,615	2.61515%	-	-	-	1,654,706	1,398,059	3,052,765
748	SAINT MARY'S SD	1,330,179	0.06949%	-	-	-	43,966	104,568	148,534
751	NORTHWEST ARCTIC BOROUGH SD	14,427,001	0.75363%	-	-	-	476,852	465,582	942,434
752	BERING STRAIT SD	16,997,425	0.88791%	-	-	-	561,811	1,013,686	1,575,498
753	LOWER YUKON SD	13,503,615	0.70540%	-	-	-	446,331	726,279	1,172,610
754	LOWER KUSKOKWIM SD	27,896,106	1.45723%	-	-	-	922,042	932,403	1,854,446
755	KUSPUK SD	2,702,187	0.14116%	-	-	-	89,315	-	89,315
756	SOUTHWEST REGION SD	5,389,734	0.28155%	-	-	-	178,145	525,098	703,243
757	LAKE AND PENINSULA BOROUGH SD	3,872,368	0.20228%	-	-	-	127,992	263,824	391,816
758	ALEUTIAN REGION SD	345,094	0.01803%	-	-	-	11,406	12,328	23,734
759	PRIBILOF SD	595,025	0.03108%	-	-	-	19,667	61,513	81,180
761	IDITAROD AREA SD	1,492,268	0.07795%	-	-	-	49,324	67,585	116,909
762	YUKON / KOYUKUK SD	4,530,137	0.23664%	-	-	-	149,733	187,980	337,713
763	YUKON FLATS SD	2,148,992	0.11226%	-	-	-	71,030	113,917	184,947
764	DENALI BOROUGH SD	2,372,779	0.12395%	-	-	-	78,427	91,358	169,785
765	DELTA/GREELY SD	4,141,122	0.21632%	-	-	-	136,875	113,314	250,189
766	ALASKA GATEWAY SD	2,699,050	0.14099%	-	-	-	89,211	133,831	223,042
767	COPPER RIVER SD	1,687,821	0.08817%	-	-	-	55,787	-	55,787
768	CHATHAM SD	1,225,605	0.06402%	-	-	-	40,510	-	40,510
769	SOUTHEAST ISLAND SD	1,729,651	0.09035%	-	-	-	57,170	85,455	142,625

State of Alaska Teachers' Retirement System
Schedule C - Employers' Allocation of Pension Amounts as of 6/30/2018

Employer Number	Employer Name	Deferred Inflows of Resources					Total Deferred Inflows
		Difference Between Expected and Actual Experience	Changes in Assumptions	Changes in Benefits	Difference Between Projected and Actual Investment Earnings	Changes in Proportion and Differences Between Employer Contributions	
701	ANCHORAGE SD	(7,495,672)	-	-	-	-	(7,495,672)
704	CORDOVA CITY SD	(63,161)	-	-	-	-	(63,161)
705	CRAIG CITY SD	(70,032)	-	-	-	-	(70,032)
706	FAIRBANKS NORTH STAR BOROUGH SD	(2,095,115)	-	-	-	-	(2,095,115)
707	HAINES BOROUGH SD	(47,710)	-	-	-	-	(47,710)
708	HOONAH CITY SD	(17,486)	-	-	-	(157,804)	(175,290)
709	HYDABURG CITY SD	(18,429)	-	-	-	-	(18,429)
710	JUNEAU BOROUGH SD	(795,355)	-	-	-	-	(795,355)
712	KAKE CITY SD	(21,113)	-	-	-	(107,638)	(128,751)
714	KETCHIKAN GATEWAY BOROUGH SD	(413,822)	-	-	-	-	(413,822)
717	KLAWOCK CITY SD	(36,417)	-	-	-	-	(36,417)
718	KODIAK ISLAND BOROUGH SD	(428,005)	-	-	-	-	(428,005)
719	NENANA CITY SD	(62,631)	-	-	-	-	(62,631)
720	NOME CITY SD	(115,000)	-	-	-	(13,899)	(128,898)
722	MATANUSKA-SUSITNA BOROUGH SD	(2,791,187)	-	-	-	-	(2,791,187)
723	PELICAN CITY SD	(1,887)	-	-	-	-	(1,887)
724	PETERSBURG CITY SD	(92,147)	-	-	-	-	(92,147)
727	SITKA BOROUGH SD	(250,758)	-	-	-	-	(250,758)
728	SKAGWAY CITY SD	(25,536)	-	-	-	-	(25,536)
729	UNALASKA CITY SD	(72,833)	-	-	-	-	(72,833)
730	VALDEZ CITY SD	(147,553)	-	-	-	-	(147,553)
731	WRANGELL PUBLIC SD	(49,273)	-	-	-	(14,481)	(63,754)
732	YAKUTAT SD	(14,331)	-	-	-	(1,995)	(16,325)
733	UNIVERSITY OF ALASKA	(904,162)	-	-	-	-	(904,162)
735	GALENA CITY SD	(164,243)	-	-	-	-	(164,243)
736	NORTH SLOPE BOROUGH SD	(416,859)	-	-	-	-	(416,859)
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	(361,128)	-	-	-	(20,978)	(382,106)
742	BRISTOL BAY BOROUGH SD	(18,459)	-	-	-	-	(18,459)
743	SOUTHEAST REGIONAL RESOURCE CENTER	(19,167)	-	-	-	(10,986)	(30,153)
744	DILLINGHAM CITY SD	(90,437)	-	-	-	(68,341)	(158,777)
746	KENAI PENINSULA BOROUGH SD	(1,411,634)	-	-	-	-	(1,411,634)
748	SAINT MARY'S SD	(37,508)	-	-	-	-	(37,508)
751	NORTHWEST ARCTIC BOROUGH SD	(406,804)	-	-	-	-	(406,804)
752	BERING STRAIT SD	(479,283)	-	-	-	-	(479,283)
753	LOWER YUKON SD	(380,767)	-	-	-	-	(380,767)
754	LOWER KUSKOKWIM SD	(786,597)	-	-	-	-	(786,597)
755	KUSPUK SD	(76,195)	-	-	-	(52,627)	(128,822)
756	SOUTHWEST REGION SD	(151,976)	-	-	-	-	(151,976)
757	LAKE AND PENINSULA BOROUGH SD	(109,191)	-	-	-	-	(109,191)
758	ALEUTIAN REGION SD	(9,731)	-	-	-	-	(9,731)
759	PRIBILOF SD	(16,778)	-	-	-	-	(16,778)
761	IDITAROD AREA SD	(42,078)	-	-	-	-	(42,078)
762	YUKON / KOYUKUK SD	(127,738)	-	-	-	-	(127,738)
763	YUKON FLATS SD	(60,596)	-	-	-	-	(60,596)
764	DENALI BOROUGH SD	(66,906)	-	-	-	-	(66,906)
765	DELTA/GREELY SD	(116,769)	-	-	-	-	(116,769)
766	ALASKA GATEWAY SD	(76,106)	-	-	-	-	(76,106)
767	COPPER RIVER SD	(47,592)	-	-	-	(53,378)	(100,971)
768	CHATHAM SD	(34,559)	-	-	-	(28,198)	(62,757)
769	SOUTHEAST ISLAND SD	(48,772)	-	-	-	-	(48,772)

State of Alaska Teachers' Retirement System
Schedule C - Employers' Allocation of Pension Amounts as of 6/30/2018

Employer Number	Employer Name	Pension Expense Recognized		
		Proportionate Share of Pension Plan Expense	Net Amortization of Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions	Total
701	ANCHORAGE SD	12,341,037	(20,457,881)	(8,116,844)
704	CORDOVA CITY SD	103,990	129,395	233,385
705	CRAIG CITY SD	115,302	16,424	131,726
706	FAIRBANKS NORTH STAR BOROUGH SD	3,449,443	(7,325,171)	(3,875,728)
707	HAINES BOROUGH SD	78,551	(69,665)	8,886
708	HOONAH CITY SD	28,789	(233,388)	(204,598)
709	HYDABURG CITY SD	30,343	71,188	101,531
710	JUNEAU BOROUGH SD	1,309,489	(2,109,638)	(800,149)
712	KAKE CITY SD	34,760	(216,640)	(181,880)
714	KETCHIKAN GATEWAY BOROUGH SD	681,325	(771,658)	(90,333)
717	KLAWOCK CITY SD	59,957	(10,578)	49,379
718	KODIAK ISLAND BOROUGH SD	704,676	(63,869)	640,808
719	NENANA CITY SD	103,116	(89,367)	13,749
720	NOME CITY SD	189,338	(666,596)	(477,258)
722	MATANUSKA-SUSITNA BOROUGH SD	4,595,471	(6,093,607)	(1,498,136)
723	PELICAN CITY SD	3,107	(719)	2,388
724	PETERSBURG CITY SD	151,713	(119,484)	32,229
727	SITKA BOROUGH SD	412,853	(608,244)	(195,391)
728	SKAGWAY CITY SD	42,043	(30,566)	11,477
729	UNALASKA CITY SD	119,914	(384,224)	(264,310)
730	VALDEZ CITY SD	242,935	83,053	325,988
731	WRANGELL PUBLIC SD	81,124	(154,402)	(73,278)
732	YAKUTAT SD	23,594	(92,880)	(69,286)
733	UNIVERSITY OF ALASKA	1,488,632	(4,636,694)	(3,148,062)
735	GALENA CITY SD	270,413	(29,665)	240,748
736	NORTH SLOPE BOROUGH SD	686,325	(1,346,080)	(659,755)
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	594,569	(761,184)	(166,615)
742	BRISTOL BAY BOROUGH SD	30,391	(108,433)	(78,042)
743	SOUTHEAST REGIONAL RESOURCE CENTER	31,556	2,021	33,578
744	DILLINGHAM CITY SD	148,897	(579,529)	(430,632)
746	KENAI PENINSULA BOROUGH SD	2,324,146	(4,778,966)	(2,454,820)
748	SAINT MARY'S SD	61,753	100,043	161,797
751	NORTHWEST ARCTIC BOROUGH SD	669,770	(787,264)	(117,494)
752	BERING STRAIT SD	789,102	253,597	1,042,698
753	LOWER YUKON SD	626,902	(1,053,908)	(427,006)
754	LOWER KUSKOKWIM SD	1,295,070	(1,332,371)	(37,301)
755	KUSPUK SD	125,448	(491,587)	(366,138)
756	SOUTHWEST REGION SD	250,217	128,896	379,113
757	LAKE AND PENINSULA BOROUGH SD	179,774	(148,892)	30,882
758	ALEUTIAN REGION SD	16,021	(5,614)	10,407
759	PRIBILOF SD	27,624	34,912	62,536
761	IDITAROD AREA SD	69,278	(496,423)	(427,145)
762	YUKON / KOYUKUK SD	210,311	(567,218)	(356,908)
763	YUKON FLATS SD	99,766	(192,423)	(92,656)
764	DENALI BOROUGH SD	110,156	52,153	162,309
765	DELTA/GREELY SD	192,251	(216,428)	(24,178)
766	ALASKA GATEWAY SD	125,303	(230,228)	(104,925)
767	COPPER RIVER SD	78,357	(404,056)	(325,699)
768	CHATHAM SD	56,898	(102,570)	(45,672)
769	SOUTHEAST ISLAND SD	80,299	(197,131)	(116,832)

State of Alaska Teachers' Retirement System
 Schedule C - Employers' Allocation of Pension Amounts as of 6/30/2018

Employer Number	Employer Name	Net Pension Liability	Employer Proportion	Deferred Outflows of Resources					Total Deferred Outflows
				Difference Between Expected and Actual Experience	Changes in Assumptions	Changes in Benefits	Difference Between Projected and Actual Investment Earnings	Changes in Proportion and Differences Between Employer Contributions	
770	ANNETTE ISLAND SD	2,093,567	0.10936%	-	-	-	69,198	656	69,854
771	CHUGACH SD	1,410,701	0.07369%	-	-	-	46,628	11,164	57,792
775	TANANA SD	289,669	0.01513%	-	-	-	9,574	-	9,574
777	KASHUNAMIUT SD	1,819,584	0.09505%	-	-	-	60,142	-	60,142
778	YUPIIT SD	3,142,443	0.16415%	-	-	-	103,866	363,862	467,728
779	SPECIAL EDUCATION SERVICE AGENCY	884,694	0.04621%	-	-	-	29,242	22,035	51,277
780	ALEUTIANS EAST BOROUGH SD	2,274,480	0.11881%	-	-	-	75,178	60,912	136,090
Subtotal		777,499,917	40.61475%	-	-	-	25,698,495	22,400,417	48,098,912
Nonemployer:									
999	STATE OF ALASKA	1,136,829,083	59.38525%	-	-	-	37,575,305	-	37,575,305
Total		1,914,329,000	100.00000%	-	-	-	63,273,800	22,400,417	85,674,217

All amounts are determined without rounding. Rounded amounts are displayed.

State of Alaska Teachers' Retirement System
 Schedule C - Employers' Allocation of Pension Amounts as of 6/30/2018

		Deferred Inflows of Resources					
Employer Number	Employer Name	Difference Between Expected and Actual Experience	Changes in Assumptions	Changes in Benefits	Difference Between Projected and Actual Investment Earnings	Changes in Proportion and Differences Between Employer Contributions	Total Deferred Inflows
770	ANNETTE ISLAND SD	(59,033)	-	-	-	-	(59,033)
771	CHUGACH SD	(39,778)	-	-	-	-	(39,778)
775	TANANA SD	(8,168)	-	-	-	(58,021)	(66,189)
777	KASHUNAMIUT SD	(51,308)	-	-	-	(12,041)	(63,348)
778	YUPIIT SD	(88,609)	-	-	-	-	(88,609)
779	SPECIAL EDUCATION SERVICE AGENCY	(24,946)	-	-	-	-	(24,946)
780	ALEUTIANS EAST BOROUGH SD	(64,134)	-	-	-	-	(64,134)
Subtotal		(21,923,459)	-	-	-	(600,386)	(22,523,845)
Nonemployer:							
999	STATE OF ALASKA	(32,055,600)	-	-	-	(21,800,031)	(53,855,631)
Total		(53,979,059)	-	-	-	(22,400,417)	(76,379,476)

All amounts are determined without rounding. Rounded amounts are displayed.

State of Alaska Teachers' Retirement System
 Schedule C - Employers' Allocation of Pension Amounts as of 6/30/2018

		<u>Pension Expense Recognized</u>		
Employer Number	Employer Name	Proportionate Share of Pension Plan Expense	Net Amortization of Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions	Total
770	ANNETTE ISLAND SD	97,193	(490,773)	(393,579)
771	CHUGACH SD	65,491	(117,613)	(52,121)
775	TANANA SD	13,448	(85,786)	(72,338)
777	KASHUNAMIUT SD	84,474	(248,562)	(164,089)
778	YUPIIT SD	145,887	(292,174)	(146,287)
779	SPECIAL EDUCATION SERVICE AGENCY	41,072	(86,299)	(45,227)
780	ALEUTIANS EAST BOROUGH SD	105,592	(117,881)	(12,289)
Subtotal		36,095,258	(58,532,648)	(22,437,390)
Nonemployer:				
999	STATE OF ALASKA	52,777,033	58,532,648	111,309,681
Total		88,872,291	0	88,872,291

All amounts are determined without rounding. Rounded amounts are displayed.

State of Alaska Teachers' Retirement System
Schedule D - Employers' Allocation of Recognition of Deferred Outflows/Inflows as of 6/30/2018

Employer Number	Employer Name	FY2019	FY2020	FY2021	FY2022	FY2023	Thereafter
701	ANCHORAGE SD	10,372,545	5,149,358	(7,093,851)	(440,694)	-	-
704	CORDOVA CITY SD	237,580	43,390	(59,775)	(3,713)	-	-
705	CRAIG CITY SD	199,001	48,110	(66,278)	(4,117)	-	-
706	FAIRBANKS NORTH STAR BOROUGH SD	2,937,372	1,439,297	(1,982,802)	(123,178)	-	-
707	HAINES BOROUGH SD	69,220	32,776	(45,152)	(2,805)	-	-
708	HOONAH CITY SD	(149,229)	12,012	(16,548)	(1,028)	-	-
709	HYDABURG CITY SD	32,612	12,661	(17,441)	(1,084)	-	-
710	JUNEAU BOROUGH SD	809,528	546,391	(752,718)	(46,761)	-	-
712	KAKE CITY SD	(97,285)	14,504	(19,981)	(1,241)	-	-
714	KETCHIKAN GATEWAY BOROUGH SD	685,077	284,286	(391,638)	(24,330)	-	-
717	KLAWOCK CITY SD	89,034	25,017	(34,464)	(2,141)	-	-
718	KODIAK ISLAND BOROUGH SD	1,034,649	294,030	(405,061)	(25,164)	-	-
719	NENANA CITY SD	116,857	43,026	(59,273)	(3,682)	-	-
720	NOME CITY SD	42,497	79,002	(108,835)	(6,761)	-	-
722	MATANUSKA-SUSITNA BOROUGH SD	4,183,867	1,917,483	(2,641,560)	(164,103)	-	-
723	PELICAN CITY SD	2,149	1,296	(1,786)	(111)	-	-
724	PETERSBURG CITY SD	107,123	63,303	(87,207)	(5,418)	-	-
727	SITKA BOROUGH SD	311,505	172,265	(237,316)	(14,743)	-	-
728	SKAGWAY CITY SD	19,627	17,543	(24,167)	(1,501)	-	-
729	UNALASKA CITY SD	67,253	50,035	(68,929)	(4,282)	-	-
730	VALDEZ CITY SD	377,572	101,366	(139,643)	(8,675)	-	-
731	WRANGELL PUBLIC SD	9,683	33,849	(46,632)	(2,897)	-	-
732	YAKUTAT SD	5,033	9,845	(13,562)	(843)	-	-
733	UNIVERSITY OF ALASKA	729,627	621,139	(855,693)	(53,159)	-	-
735	GALENA CITY SD	366,981	112,831	(155,438)	(9,656)	-	-
736	NORTH SLOPE BOROUGH SD	918,840	286,373	(394,512)	(24,508)	-	-
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	156,120	248,087	(341,769)	(21,232)	-	-
742	BRISTOL BAY BOROUGH SD	25,423	12,681	(17,469)	(1,085)	-	-
743	SOUTHEAST REGIONAL RESOURCE CENTER	(1,587)	13,167	(18,139)	(1,127)	-	-
744	DILLINGHAM CITY SD	(23,990)	62,128	(85,589)	(5,317)	-	-
746	KENAI PENINSULA BOROUGH SD	2,090,325	969,761	(1,335,961)	(82,994)	-	-
748	SAINT MARY'S SD	122,962	25,767	(35,497)	(2,205)	-	-
751	NORTHWEST ARCTIC BOROUGH SD	665,079	279,465	(384,996)	(23,917)	-	-
752	BERING STRAIT SD	1,248,727	329,257	(453,590)	(28,179)	-	-
753	LOWER YUKON SD	913,007	261,578	(360,355)	(22,386)	-	-
754	LOWER KUSKOKWIM SD	1,318,151	540,375	(744,430)	(46,247)	-	-
755	KUSPUK SD	(15,261)	52,344	(72,110)	(4,480)	-	-
756	SOUTHWEST REGION SD	599,627	104,404	(143,829)	(8,935)	-	-
757	LAKE AND PENINSULA BOROUGH SD	317,371	75,012	(103,337)	(6,420)	-	-
758	ALEUTIAN REGION SD	17,100	6,685	(9,209)	(572)	-	-
759	PRIBILOF SD	69,741	11,526	(15,879)	(986)	-	-
761	IDITAROD AREA SD	88,220	28,907	(39,822)	(2,474)	-	-
762	YUKON / KOYUKUK SD	250,622	87,753	(120,890)	(7,510)	-	-
763	YUKON FLATS SD	143,633	41,628	(57,348)	(3,563)	-	-
764	DENALI BOROUGH SD	124,169	45,963	(63,320)	(3,934)	-	-
765	DELTA/GREELY SD	170,578	80,218	(110,509)	(6,865)	-	-

State of Alaska Teachers' Retirement System
 Schedule D - Employers' Allocation of Recognition of Deferred Outflows/Inflows as of 6/30/2018

Employer Number	Employer Name	FY2019	FY2020	FY2021	FY2022	FY2023	Thereafter
766	ALASKA GATEWAY SD	171,154	52,283	(72,026)	(4,475)	-	-
767	COPPER RIVER SD	(30,039)	32,695	(45,041)	(2,798)	-	-
768	CHATHAM SD	(11,251)	23,741	(32,706)	(2,032)	-	-
769	SOUTHEAST ISLAND SD	109,373	33,505	(46,157)	(2,867)	-	-
770	ANNETTE ISLAND SD	29,606	40,554	(55,869)	(3,471)	-	-
771	CHUGACH SD	30,671	27,327	(37,646)	(2,339)	-	-
775	TANANA SD	(54,015)	5,611	(7,730)	(480)	-	-
777	KASHUNAMIUT SD	13,120	35,247	(48,557)	(3,017)	-	-
778	YUPIIT SD	407,316	60,872	(83,859)	(5,210)	-	-
779	SPECIAL EDUCATION SERVICE AGENCY	34,269	17,137	(23,609)	(1,467)	-	-
780	ALEUTIANS EAST BOROUGH SD	92,364	44,059	(60,696)	(3,771)	-	-
Subtotal		32,551,300	15,060,924	(20,748,207)	(1,288,950)	-	-
Nonemployer:							
999	STATE OF ALASKA	(6,079,959)	22,021,476	(30,337,193)	(1,884,650)	-	-
Total		26,471,341	37,082,400	(51,085,400)	(3,173,600)	-	-

All amounts are determined without rounding. Rounded amounts are displayed.

State of Alaska Teachers' Retirement System
Schedule E - Contribution History

Employer Number	Employer Name	FY2018	FY2017	FY2016	FY2015	FY2014	FY2013
701	ANCHORAGE SD	13,953,833.79	12,990,980.15	11,850,582.30	12,824,988.74	12,944,265.05	12,967,146.96
704	CORDOVA CITY SD	136,707.51	110,356.31	96,779.88	93,120.75	114,056.49	134,509.15
705	CRAIG CITY SD	141,152.03	122,462.27	104,267.87	110,761.75	113,631.46	106,528.43
706	FAIRBANKS NORTH STAR BOROUGH SD	4,017,542.60	3,813,656.10	3,539,896.52	3,876,399.16	3,910,652.78	3,920,578.38
707	HAINES BOROUGH SD	60,119.21	65,342.91	46,280.70	67,345.72	78,746.93	84,746.36
708	HOONAH CITY SD	21,574.63	39,307.21	44,647.71	46,108.75	52,512.11	51,599.68
709	HYDABURG CITY SD	45,017.13	28,580.79	16,965.60	3,661.09	22,352.49	25,019.04
710	JUNEAU BOROUGH SD	1,535,688.95	1,428,279.01	1,339,264.79	1,401,567.10	1,395,436.86	1,388,404.23
712	KAKE CITY SD	40,686.18	38,986.47	33,982.63	34,224.50	34,293.75	27,714.89
714	KETCHIKAN GATEWAY BOROUGH SD	765,271.99	728,834.65	646,878.19	737,815.48	681,583.56	656,885.26
717	KLAWOCK CITY SD	73,149.40	64,678.50	55,503.68	57,146.15	68,293.97	74,984.47
718	KODIAK ISLAND BOROUGH SD	665,867.02	610,298.27	543,048.16	647,632.39	736,576.50	785,788.06
719	NENANA CITY SD	140,642.34	108,599.95	105,733.21	91,496.71	105,890.03	106,618.13
720	NOME CITY SD	219,436.82	200,341.30	180,778.20	196,990.87	205,072.74	195,169.00
722	MATANUSKA-SUSITNA BOROUGH SD	5,272,972.61	4,891,947.35	4,448,917.08	4,732,180.64	4,601,861.36	4,409,181.16
723	PELICAN CITY SD	821.02	608.50	76.62	56.78	3,589.51	3,981.63
724	PETERSBURG CITY SD	252,001.66	144,371.57	173,758.53	178,211.83	180,274.61	169,338.09
727	SITKA BOROUGH SD	508,567.70	456,554.22	409,791.72	458,336.30	484,459.11	473,074.95
728	SKAGWAY CITY SD	42,709.72	44,914.04	35,596.03	36,740.10	34,126.76	36,943.54
729	UNALASKA CITY SD	149,368.32	133,597.79	122,560.66	123,108.89	133,745.23	127,900.55
730	VALDEZ CITY SD	303,737.10	299,120.88	257,196.19	289,734.26	275,478.92	261,914.70
731	WRANGELL PUBLIC SD	89,137.78	79,313.66	78,637.34	74,800.77	104,691.78	99,330.78
732	YAKUTAT SD	27,948.30	31,855.13	49,446.62	35,975.53	47,318.00	45,659.99
733	UNIVERSITY OF ALASKA	1,986,247.25	2,003,497.77	1,973,801.21	2,314,144.86	2,385,214.75	2,390,342.26
735	GALENA CITY SD	310,877.09	281,796.14	251,851.54	266,991.31	287,316.68	260,063.00
736	NORTH SLOPE BOROUGH SD	620,262.14	588,274.37	537,956.23	591,144.30	674,449.67	676,595.46
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	1,004,123.17	1,021,449.29	924,799.69	12,499,595.78	1,950,888.39	1,835,361.68
742	BRISTOL BAY BOROUGH SD	30,208.30	20,636.04	18,408.57	27,110.92	27,876.63	34,751.67
743	SOUTHEAST REGIONAL RESOURCE CENTER	24,560.78	20,947.30	17,531.74	22,454.25	22,918.33	27,895.11
744	DILLINGHAM CITY SD	132,016.94	107,310.86	114,435.18	148,548.89	173,274.14	178,455.39
746	KENAI PENINSULA BOROUGH SD	2,570,793.23	2,404,195.88	2,256,776.91	2,407,075.35	2,496,327.70	2,417,499.71
748	SAINT MARY'S SD	69,718.82	60,148.20	46,770.29	44,151.15	50,155.46	46,615.58
751	NORTHWEST ARCTIC BOROUGH SD	723,017.63	527,859.50	451,722.60	492,081.43	590,282.99	577,278.97
752	BERING STRAIT SD	696,009.77	522,908.85	387,570.48	436,529.41	598,504.58	626,717.90
753	LOWER YUKON SD	521,774.24	474,846.31	400,163.68	393,486.39	462,619.38	424,090.91
754	LOWER KUSKOKWIM SD	1,244,221.67	1,163,146.26	1,002,614.58	1,109,994.99	1,243,560.52	1,264,987.87
755	KUSPUK SD	142,685.53	106,665.67	98,039.16	121,708.95	111,898.63	123,148.02
756	SOUTHWEST REGION SD	175,810.60	149,932.92	141,065.85	145,378.20	190,830.66	185,196.37
757	LAKE AND PENINSULA BOROUGH SD	184,495.34	108,447.69	77,482.72	94,679.59	130,806.45	127,255.05
758	ALEUTIAN REGION SD	12,436.75	10,584.56	7,850.15	14,119.00	16,854.59	13,201.59
759	PRIBILOF SD	18,914.17	17,771.92	14,521.38	16,079.31	19,331.86	15,736.51
761	IDITAROD AREA SD	68,892.30	45,347.99	21,794.20	51,062.10	67,432.41	52,557.27
762	YUKON / KOYUKUK SD	229,624.93	177,044.19	159,466.25	154,570.86	187,901.58	182,490.96
763	YUKON FLATS SD	93,554.96	77,228.68	65,702.65	83,976.89	101,768.55	103,279.70
764	DENALI BOROUGH SD	133,593.02	94,971.62	84,272.06	83,803.92	80,803.37	103,544.58
765	DELTA/GREELY SD	216,893.64	184,543.20	156,301.76	162,564.80	165,181.36	180,110.48

State of Alaska Teachers' Retirement System
 Schedule E - Contribution History

Employer Number	Employer Name	FY2018	FY2017	FY2016	FY2015	FY2014	FY2013
766	ALASKA GATEWAY SD	147,900.96	115,656.94	124,560.43	127,792.49	128,419.54	124,349.06
767	COPPER RIVER SD	98,120.80	94,597.33	105,461.10	115,656.27	121,758.26	132,304.75
768	CHATHAM SD	62,596.87	42,347.93	47,878.93	48,982.02	60,291.65	63,121.28
769	SOUTHEAST ISLAND SD	71,915.04	54,174.58	67,931.90	74,096.35	77,776.57	71,859.89
770	ANNETTE ISLAND SD	64,185.19	67,476.91	70,300.50	81,025.75	82,384.77	85,821.49
771	CHUGACH SD	90,177.20	85,760.23	74,674.62	75,164.66	72,052.02	82,653.26
775	TANANA SD	10,038.01	17,017.84	12,662.15	10,393.95	12,850.77	10,744.46
777	KASHUNAMIUT SD	78,103.67	62,184.10	40,883.20	31,482.25	38,671.83	45,023.45
778	YUPIIT SD	107,493.96	95,205.56	68,270.32	65,344.19	89,913.58	120,550.86
779	SPECIAL EDUCATION SERVICE AGENCY	32,604.40	30,286.61	30,638.78	39,682.45	41,387.48	46,164.58
780	ALEUTIANS EAST BOROUGH SD	112,451.50	86,295.82	75,751.86	87,302.23	99,826.48	97,141.58
Subtotal		40,550,273.68	37,353,546.09	34,110,502.90	48,556,579.52	39,190,441.63	38,879,928.13
Nonemployer:							
999	STATE OF ALASKA	111,042,260.53	115,980,240.01	89,957,454.13	1,650,517,011.02	207,270,949.96	195,434,950.61
Total		151,592,534.21	153,333,786.10	124,067,957.03	1,699,073,590.54	246,461,391.59	234,314,878.74

**State of Alaska Teachers' Retirement System
Schedule E - Contribution History - Historical**

		FY2012	FY2011	FY2010	FY2009
Total	Total Plan Contributions	195,576,000	142,147,000	134,275,000	131,533,000

State of Alaska Teachers' Retirement System
 Schedule F - Present Value of Future State Assistance Contributions as of 6/30/2018

Employer Number	Employer Name	Present Value of Future State Assistance Contributions	Employer Proportion
701	ANCHORAGE SD	377,908,000.00	34.76272%
704	CORDOVA CITY SD	3,185,000.00	0.29298%
705	CRAIG CITY SD	3,527,000.00	0.32444%
706	FAIRBANKS NORTH STAR BOROUGH SD	105,633,000.00	9.71689%
707	HAINES BOROUGH SD	2,409,000.00	0.22160%
708	HOONAH CITY SD	879,000.00	0.08086%
709	HYDABURG CITY SD	927,000.00	0.08527%
710	JUNEAU BOROUGH SD	40,096,000.00	3.68832%
712	KAKE CITY SD	1,061,000.00	0.09760%
714	KETCHIKAN GATEWAY BOROUGH SD	20,864,000.00	1.91922%
717	KLAWOCK CITY SD	1,840,000.00	0.16926%
718	KODIAK ISLAND BOROUGH SD	21,575,000.00	1.98463%
719	NENANA CITY SD	3,156,000.00	0.29031%
720	NOME CITY SD	5,799,000.00	0.53343%
722	MATANUSKA-SUSITNA BOROUGH SD	140,721,000.00	12.94454%
723	PELICAN CITY SD	96,000.00	0.00883%
724	PETERSBURG CITY SD	4,648,000.00	0.42756%
727	SITKA BOROUGH SD	12,644,000.00	1.16309%
728	SKAGWAY CITY SD	1,286,000.00	0.11830%
729	UNALASKA CITY SD	3,669,000.00	0.33750%
730	VALDEZ CITY SD	7,443,000.00	0.68466%
731	WRANGELL PUBLIC SD	2,483,000.00	0.22840%
732	YAKUTAT SD	723,000.00	0.06651%
733	UNIVERSITY OF ALASKA	45,584,000.00	4.19315%
735	GALENA CITY SD	8,282,000.00	0.76184%
736	NORTH SLOPE BOROUGH SD	21,016,000.00	1.93320%
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	-	0.00000%
742	BRISTOL BAY BOROUGH SD	929,000.00	0.08546%
743	SOUTHEAST REGIONAL RESOURCE CENTER	966,000.00	0.08886%
744	DILLINGHAM CITY SD	4,560,000.00	0.41946%
746	KENAI PENINSULA BOROUGH SD	71,168,000.00	6.54655%
748	SAINT MARY'S SD	1,892,000.00	0.17404%
751	NORTHWEST ARCTIC BOROUGH SD	20,509,000.00	1.88657%
752	BERING STRAIT SD	24,163,000.00	2.22269%
753	LOWER YUKON SD	19,197,000.00	1.76588%
754	LOWER KUSKOKWIM SD	39,659,000.00	3.64812%
755	KUSPUK SD	3,847,000.00	0.35388%
756	SOUTHWEST REGION SD	7,664,000.00	0.70499%
757	LAKE AND PENINSULA BOROUGH SD	5,505,000.00	0.50639%
758	ALEUTIAN REGION SD	493,000.00	0.04535%
759	PRIBILOF SD	850,000.00	0.07819%
761	IDITAROD AREA SD	2,120,000.00	0.19501%
762	YUKON / KOYUKUK SD	6,435,000.00	0.59194%
763	YUKON FLATS SD	3,059,000.00	0.28139%
764	DENALI BOROUGH SD	3,372,000.00	0.31018%
765	DELTA/GREELY SD	5,889,000.00	0.54171%
766	ALASKA GATEWAY SD	3,835,000.00	0.35277%
767	COPPER RIVER SD	2,403,000.00	0.22105%
768	CHATHAM SD	1,741,000.00	0.16015%
769	SOUTHEAST ISLAND SD	2,460,000.00	0.22629%
770	ANNETTE ISLAND SD	2,976,000.00	0.27375%
771	CHUGACH SD	2,004,000.00	0.18434%
775	TANANA SD	414,000.00	0.03808%
777	KASHUNAMIUT SD	2,589,000.00	0.23816%
778	YUPIIT SD	4,470,000.00	0.41118%
779	SPECIAL EDUCATION SERVICE AGENCY	1,252,000.00	0.11517%
780	ALEUTIANS EAST BOROUGH SD	3,232,000.00	0.29730%
Total		1,087,107,000.00	100.00000%

All amounts are determined without rounding. Rounded amounts are displayed.

State of Alaska Teachers' Retirement System
 Schedule G - Supplemental Schedule of Special Funding Amounts by Employer as of 6/30/2018

Employer Number	Employer Name	State Proportionate Share of Net Pension Liability Attributable to Employer	Proportionate Share of Pension Plan Expense
701	ANCHORAGE SD	395,192,750.21	18,346,734.08
704	CORDOVA CITY SD	3,330,675.48	154,625.86
705	CRAIG CITY SD	3,688,317.87	171,229.32
706	FAIRBANKS NORTH STAR BOROUGH SD	110,464,440.51	5,128,286.67
707	HAINES BOROUGH SD	2,519,182.80	116,952.49
708	HOONAH CITY SD	919,203.69	42,673.82
709	HYDABURG CITY SD	969,399.11	45,004.13
710	JUNEAU BOROUGH SD	41,929,910.22	1,946,586.60
712	KAKE CITY SD	1,109,528.00	51,509.59
714	KETCHIKAN GATEWAY BOROUGH SD	21,818,277.31	1,012,908.59
717	KLAWOCK CITY SD	1,924,157.89	89,328.60
718	KODIAK ISLAND BOROUGH SD	22,561,797.01	1,047,426.33
719	NENANA CITY SD	3,300,349.08	153,217.96
720	NOME CITY SD	6,064,234.57	281,530.72
722	MATANUSKA-SUSITNA BOROUGH SD	147,157,294.90	6,831,744.14
723	PELICAN CITY SD	100,390.85	4,660.62
724	PETERSBURG CITY SD	4,860,590.15	225,651.80
727	SITKA BOROUGH SD	13,222,311.07	613,842.80
728	SKAGWAY CITY SD	1,344,819.05	62,432.92
729	UNALASKA CITY SD	3,836,812.66	178,123.16
730	VALDEZ CITY SD	7,783,427.82	361,343.88
731	WRANGELL PUBLIC SD	2,596,567.42	120,545.06
732	YAKUTAT SD	756,068.56	35,100.31
733	UNIVERSITY OF ALASKA	47,668,920.28	2,213,018.85
735	GALENA CITY SD	8,660,801.99	402,075.77
736	NORTH SLOPE BOROUGH SD	21,977,229.48	1,020,287.91
737	STATE OF ALASKA (EMPLOYER AND NONEMPLOYER)	-	-
742	BRISTOL BAY BOROUGH SD	971,490.59	45,101.23
743	SOUTHEAST REGIONAL RESOURCE CENTER	1,010,182.89	46,897.51
744	DILLINGHAM CITY SD	4,768,565.21	221,379.56
746	KENAI PENINSULA BOROUGH SD	74,423,080.87	3,455,074.70
748	SAINT MARY'S SD	1,978,536.27	91,853.10
751	NORTHWEST ARCTIC BOROUGH SD	21,447,040.32	995,674.00
752	BERING STRAIT SD	25,268,166.92	1,173,068.94
753	LOWER YUKON SD	20,075,032.09	931,978.83
754	LOWER KUSKOKWIM SD	41,472,922.72	1,925,371.06
755	KUSPUK SD	4,022,954.03	186,764.73
756	SOUTHWEST REGION SD	8,014,535.91	372,073.02
757	LAKE AND PENINSULA BOROUGH SD	5,756,787.60	267,257.56
758	ALEUTIAN REGION SD	515,548.83	23,934.24
759	PRIBILOF SD	888,877.29	41,265.93
761	IDITAROD AREA SD	2,216,964.53	102,922.08
762	YUKON / KOYUKUK SD	6,729,323.93	312,407.34
763	YUKON FLATS SD	3,198,912.49	148,508.79
764	DENALI BOROUGH SD	3,526,228.48	163,704.36
765	DELTA/GREELY SD	6,158,350.99	285,900.05
766	ALASKA GATEWAY SD	4,010,405.17	186,182.15
767	COPPER RIVER SD	2,512,908.38	116,661.20
768	CHATHAM SD	1,820,629.83	84,522.33
769	SOUTHEAST ISLAND SD	2,572,515.44	119,428.45
770	ANNETTE ISLAND SD	3,112,116.24	144,479.29
771	CHUGACH SD	2,095,658.92	97,290.49
775	TANANA SD	432,935.53	20,098.93
777	KASHUNAMIUT SD	2,707,415.64	125,691.16
778	YUPIIT SD	4,674,448.79	217,010.23
779	SPECIAL EDUCATION SERVICE AGENCY	1,309,263.96	60,782.28
780	ALEUTIANS EAST BOROUGH SD	3,379,825.17	156,907.62
Total		1,136,829,083.02	52,777,033.14

All amounts are determined without rounding. Rounded amounts are displayed.