

State of Alaska

Teachers' Retirement System Defined Contribution Retirement Plan Occupational Death & Disability

Information
Required Under
Governmental
Accounting
Standards Board
Statement No. 75
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 75 Report for June 30, 2019 Reporting – TRS DCR Occupational Death & Disability

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. 75 (GASB 75) for the State of Alaska Teachers' Retirement System Defined Contribution Retirement Plan (TRS DCR) for June 30, 2019 reporting based on a measurement date of June 30, 2018. Under GASB 75, accounting information prepared under GASB 74 as of June 30, 2018 (as previously provided) serves as the basis for these disclosures. Please refer to the GASB 74 report dated October 20, 2018 for any supplemental information or documentation.

This report covers the occupational death & disability portion of TRS DCR. There is a separate GASB 75 report that covers the retiree medical portion of TRS DCR.

We certify that the information contained in this report has been prepared in accordance with generally accepted actuarial principles and practices. To the best of our knowledge, the information fairly presents the actuarial position of TRS DCR in accordance with the requirements of GASB 75 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 DCR. 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 because of failure to understand applicable assumptions, methods, 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, increases or decreases expected as part of the natural operation of the methodology used for these measurements, and changes in plan provisions or applicable law. Retiree group benefits models necessarily rely on the use of approximations and estimates and are sensitive to changes in these approximations and estimates. Small variations in these approximations and estimates may lead to significant changes in actuarial measurements. An analysis of the potential range of such future differences is beyond the scope of this report, except for the GASB 75 required disclosure of the sensitivity of net OPEB 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 DCR. 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 on 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 DCR, except as noted herein. We rolled forward the liabilities from that date to the June 30, 2018 measurement date, as GASB 75 permits. In our opinion, the actuarial assumptions used are appropriate for purposes of the valuation and are reasonably related to the experience of TRS DCR and to reasonable long-term expectations.

Where presented, the "net OPEB liability" and "plan fiduciary net position as a percentage of the total OPEB liability" are measured on a market value of assets basis. These items presented may be appropriate for GASB 75 reporting but make no assessment regarding the cost to settle (i.e., purchase annuities) to cover any portion of the plan's liabilities.

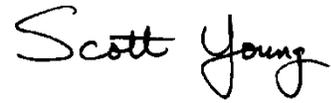
This report was prepared under our supervision and in accordance with all applicable Actuarial Standards of Practice. We are Fellows of the Society of Actuaries, Enrolled Actuaries and Members of the American Academy of Actuaries. We meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

We are available to discuss this report with you at your convenience. David can be reached at (602) 803-6174 and Scott can be reached at (216) 315-1929.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "D. J. Kershner", is placed on a light gray rectangular background.

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

A handwritten signature in black ink, appearing to read "Scott Young", is written in a cursive style.

Scott Young, FSA, EA, MAAA
Director
Buck

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Section 1 – GASB 75 Information

OPEB Expense

Measurement Date	June 30, 2018	June 30, 2017
Reporting Date	June 30, 2019	June 30, 2018
Service cost	\$ 259,000	\$ 238,000
Interest cost	41,000	21,000
Expected return on assets	(282,000)	(251,000)
Current period effect of benefit changes	0	0
Current period difference between expected and actual experience	(24,314)	(1,415)
Current period effect of changes in assumptions	0	0
Current period difference between projected and actual investment earnings	(1,600)	(31,000)
Member contributions	0	0
Administrative expenses	0	12,000
Service purchases and plan transfers	0	0
Current period recognition of prior years' deferred outflows of resources	0	0
Current period recognition of prior years' deferred inflows of resources	(32,415)	0
Other Additions Less Other Deductions	<u>0</u>	<u>0</u>
Total	\$ (40,329)	\$ (12,415)

The employers' allocation of the OPEB 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:

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

Actuarial Assumptions

The total OPEB 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 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 OPEB Liability

The employers' allocations of net OPEB 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, 2017	Asset Gain	5 years	\$(93,000)
June 30, 2017	Liability Gain	10.6 years	\$(12,170)
June 30, 2018	Asset Gain	5 years	\$(6,400)
June 30, 2018	Liability Gain	10.2 years	\$(223,686)

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 using the FY2017 TRS DCR retiree medical allocation methodology.

Amounts for the June 30, 2018 measurement date were allocated to employers using the FY2018 TRS DCR retiree medical allocation methodology.

Section 2 – Actuarial Assumptions and Methods¹

Description of Actuarial Methods and Valuation Procedures

The funding method used in this valuation was adopted by the Board in October 2006. The asset smoothing method used to determine valuation assets was implemented effective June 30, 2006.

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 surpluses or unfunded actuarial accrued liability is amortized over 25 years as a level percentage of expected payroll.

Cost factors designed to produce annual costs as a constant percentage of each member's expected compensation in each year for death and disability benefits (constant dollar amount for retiree medical benefits), from the assumed entry age to the last age with a future benefit 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 DCR Plan 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 beneficiaries and disabled members currently receiving benefits (if any) 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

Effective June 30, 2006, the asset valuation method recognizes 20% of the investment gain or loss in each of the current and preceding four years. This method was phased in over five years. Fair Value of Assets was \$0 as of June 30, 2006. 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. Valuation assets are constrained to a range of 80% to 120% of the fair value of assets.

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

Changes in Methods Since the Prior Valuation

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

Valuation of Retiree Medical and Prescription Drug Benefits

The methodology used for the valuation of the retiree medical benefits is described in Section 6.2 of the State of Alaska Teachers' Retirement System Defined Benefit Plan Actuarial Valuation Report as of June 30, 2017.

Due to the lack of experience for the DCR retiree medical plan only, base claims costs are based on those described in the actuarial valuation as of June 30, 2017 for the Defined Benefit (DB) retiree medical plan covering TRS and PERS. The DB rates were used with some adjustments. The claims costs were adjusted to reflect the differences between the DCR medical plan and the DB medical plan. These differences include network steerage, different coverage levels, different Medicare coordination for medical benefits, and an indexing of the retiree out-of-pocket dollar amounts. To account for higher initial copays, deductibles and out-of-pocket limits, upcoming FY18 claims costs were reduced 2.1% for medical claims, and 10.4% for prescription drugs. In addition, to account for the difference in Medicare coordination, upcoming FY18 medical claims costs for Medicare eligible retirees were further reduced 29.3%. The medical and prescription drug percentages mentioned above were reduced 0.2% in each future year for the DCR medical benefits to reflect the fact that the medical benefit to be offered to DCR members will have annual indexing of member cost sharing features such as deductibles and out-of-pocket amounts.

No implicit subsidies are assumed. Employees projected to retire with 30 years of service prior to Medicare are valued with commencement deferred to Medicare eligibility, because those members will be required to pay the full plan premium prior to Medicare. Explicit subsidies for disabled and normal retirement are determined using the plan-defined percentages of age-related total projected plan costs, again with no implicit subsidy assumed.

The State intends to transition to an Employer Group Waiver Program (EGWP) for this group in 2019. That impact is reflected in the valuation, but not in the base cost rates for 2017 or 2018. We estimated the impact of the EGWP plan by offsetting an amount equal to 160% of the RDS amount (a one-time adjustment, trended at the rates shown below thereafter) based upon Buck's review last year of client and industry comparisons of subsidies under RDS and EGWP.

Because EGWP subsidies are dependent upon risk scores which have not previously been measured for the State retiree population, and because EGWP subsidies are highly leveraged, there is considerable uncertainty in the estimate.

The estimate of the impact of the EGWP arrangement is a somewhat conservative estimate based on our experience with other similar implementations. EGWP subsidies are provided by three mechanisms, a capitation amount, a discount on brand name drugs (provided by pharmaceutical manufacturers rather than the federal government but still through the administration of a pharmacy benefit manager), and catastrophic payment.

The greatest variation in our estimate comes from the capitation amount, which is dependent upon the risk score of the population. The risk score is a measure of how sick (or well) the population is, depending on such matters as age and diagnosis. The higher the risk score, the larger the capitation. On the other hand, the healthier the population, the lower the capitation. Relatively small variations in risk score result in large swings in the capitation. Employer retiree groups tend to be healthier than the Medicare population as a whole. Our 60% estimate is meant to be conservative and is based on typical employer groups. Once a vendor is selected for the 2019 implementation of the EGWP arrangement, we will review an updated estimate of EGWP subsidies from that vendor and update the next valuation accordingly.

Healthcare Reform

Healthcare Reform legislation passed on March 23, 2010 included several provisions with potential implications for the State of Alaska Retiree Health Plan liability. Buck evaluated the impact due to these provisions; however, only the Patient Centered Outcomes Research Institute fee impact has been included in the valuation results as part of administrative fee.

Because the State plan is retiree-only, not all provisions are required. Unlimited lifetime benefits and dependent coverage to age 26 are two of these provisions. The adopted DCR plan does not place lifetime limits on benefits, but does restrict dependent child coverage.

The Plan will be subject to the high cost plan excise tax (Cadillac tax) and the value of the Health Reimbursement Account must be included along with projected plan costs. The excise tax was originally to be effective for 2018; legislation passed in December 2015 delayed it to 2020, with further delay to 2022 passed in January 2018. Based upon guidance available at the time of the valuation, Buck determined the impact on plan liabilities to be immaterial (approximately \$50,000 (0.15%)) based on a blend of projected pre-Medicare and Medicare retirees and related cost projections. Participants will be responsible for any tax to the extent they are reflected in retiree contributions.

The Tax Cuts and Jobs Act passed in December 2017 included the elimination of the individual mandate penalty and changed the inflation measure for purposes of determining the limits for the High Cost Excise Tax to use chained CPI. It is our understanding the law does not directly impact other provisions of the ACA. While the nullification of the ACA's individual mandate penalty does not directly impact employer group health plans, it could contribute to the destabilization of the individual market and increase the number of uninsured. Such destabilization could translate to increased costs for employers. We have considered this when setting our healthcare cost trend assumptions and will continue to monitor this issue.

We have not identified any other specific provisions of healthcare reform or its potential repeal that would be expected to have a significant impact on the measured obligation. While the House of Representatives voted to pass the American Health Care Act (AHCA), which would have repealed many provisions of the Affordable Care Act (ACA), the bill was rejected by the Senate. We will continue to monitor legislative activity.

Actuarial Assumptions

The demographic and economic assumptions used in the June 30, 2017 valuation are described below. Unless noted otherwise, these assumptions were adopted by the Board in December 2014. These assumptions were the result of an experience study performed for the TRS DB plan 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)¹

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 occupational causes 15% of the time.

Mortality (Post-termination)¹

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.

Disability Mortality in accordance with the RP-2000 Disabled Retiree Mortality Table, 2000 Base Year, projected to 2018 with Projection Scale BB.

Turnover

Select and ultimate rates based upon the 2010-2013 actual withdrawal experience (see Table 4).

¹ 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 110%.

Disability

Incidence rates based upon the 2010-2013 actual disability experience (see Table 5). Disabilities are assumed to result from occupational causes 15% of the time.

Retirement

Retirement rates based upon the 2010 - 2013 actual retirement experience (see Table 6).

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 at termination from active service.

Per Capita Claims Cost

Sample claims cost rates (before base claims cost adjustments described below) adjusted to age 65 for FY18 medical benefits are shown below:

	Medical	Prescription Drugs
Pre-Medicare	\$ 13,682	\$ 3,493
Medicare Parts A & B	\$ 1,485	\$ 3,706
Medicare Part B Only	\$ 4,722	\$ 3,706
Medicare Part D	N/A	\$ 659

Members are assumed to attain Medicare eligibility at age 65.

Third Party Administrator Fees

\$236 per person per year; assumed trend rate of 4% per year.

Base Claims Cost Adjustments

Due to higher initial copays, deductibles, out-of-pocket limits and member cost sharing compared to the DB medical plan, the following cost adjustments are applied to the per capita claims cost rates above:

- 0.979 for the pre-Medicare plan.
- 0.686 for both the Medicare medical plan and Medicare coordination method (2.1% reduction for the medical plan and 29.3% reduction for the coordination method).
- 0.896 for the prescription drug plan.

Active Data Adjustment

To reflect participants who terminate employment before the valuation date and are subsequently rehired after the valuation date, participants who are listed as terminated on the June 30 client data but active in the October 1 client records are updated to active status.

Health Cost Trend

The table below shows the rate used to project the cost from the shown fiscal year to the next fiscal year. For example, 8.0% is applied to the FY18 pre-Medicare medical claims cost to get the FY19 medical claims cost.

	Medical Pre-65	Medical Post-65	Prescription Drugs	RDS / EGWP
FY18	8.0%	5.5%	9.0%	6.5%
FY19	7.5%	5.5%	8.5%	6.2%
FY20	7.0%	5.4%	8.0%	6.0%
FY21	6.5%	5.4%	7.5%	5.7%
FY22	6.3%	5.4%	7.1%	5.5%
FY23	6.1%	5.4%	6.8%	5.4%
FY24	5.9%	5.4%	6.4%	5.2%
FY25	5.8%	5.4%	6.1%	5.0%
FY26	5.6%	5.4%	5.7%	4.8%
FY27-FY40	5.4%	5.4%	5.4%	4.7%
FY41	5.2%	5.2%	5.2%	4.6%
FY42	5.1%	5.1%	5.1%	4.5%
FY43	5.0%	5.0%	5.0%	4.5%
FY44	4.8%	4.8%	4.8%	4.4%
FY45	4.7%	4.7%	4.7%	4.3%
FY46	4.5%	4.5%	4.5%	4.2%
FY47	4.4%	4.4%	4.4%	4.2%
FY48	4.3%	4.3%	4.3%	4.1%
FY49	4.1%	4.1%	4.1%	4.0%
FY50+	4.0%	4.0%	4.0%	4.0%

For the June 30, 2014 valuations and later, the updated Society of Actuaries' Healthcare Cost Trend Model is used to project medical and prescription drug costs. This model estimates trend amounts projected out for 80 years. The model has been populated with assumptions that are specific to the State of Alaska. The model was updated this year to use the newest version and incorporate recent trend survey information, which generated the updated trend rates shown above.

Aging Factors¹

Age	Medical	Prescription Drugs
0-44	2.0%	4.5%
45-54	2.5%	3.5%
55-64	3.5%	3.0%
65-74	4.0%	1.5%
75-84	1.5%	0.5%
85-95	0.5%	0.0%
96+	0.0%	0.0%

Retiree Medical Participation

Decrement Due to Disability		Decrement Due to Retirement	
Age	Percent Participation	Age	Percent Participation
<56	73.00%	55	40.0%
56	77.50%	56	50.0%
57	79.75%	57	55.0%
58	82.00%	58	60.0%
59	84.25%	59	65.0%
60	86.50%	60	70.0%
61	88.75%	61	75.0%
62	91.00%	62	80.0%
63	93.25%	63	85.0%
64	95.50%	64	90.0%
65+	94.00%	65+	Years of Service
			<15 - 70.5%
			15 – 19 75.2%
			20 – 24 79.9%
			25 – 29 89.3%
			30+ 94.0%

Participation rates reflect the expected plan election rate that varies by reason for decrement, duration that a member may pay full cost prior to Medicare eligibility, and availability of alternative and/or lower cost options, particularly in the Medicare market. This assumption is based on observed trends in participation from a range of other plans.

¹ Note that the pre-65 factor represents the percentage increase from the ages noted to the next age. However, the post-65 factor represents the percentage decrease from the ages noted to the prior age. That is, 2.5% is used to adjust from 54 to 55, but 1.5% is used to adjust from age 84 back to age 83.

Imputed Data

Data changes from the prior year which are deemed to have an immaterial impact on liabilities and contribution rates are assumed to be correct in the current year's client data. Non-vested terminations with appropriate refund dates are assumed to have received a full refund of contributions. Active members with missing salary and service are assumed to be terminated with status based on their vesting percentage.

Changes in Assumptions Since the Prior Valuation

The health care cost trend assumption was updated as shown above to reflect anticipated increases in costs based on recent survey data. Healthcare claim costs are updated annually as described above. Minor updates were made to the factors used to adjust the DB plan costs to reflect DCR plan design differences.

Table 1: Alaska TRS DCR Salary Scale

Years of service	Percent 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: Alaska TRS DCR Mortality Rates (Pre-termination)

Age	Male	Female	Age	Male	Female
20	0.0182%	0.0098%	55	0.1615%	0.0985%
21	0.0191	0.0101	56	0.1766	0.1054
22	0.0200	0.0104	57	0.1901	0.1132
23	0.0209	0.0105	58	0.2117	0.1221
24	0.0216	0.0105	59	0.2409	0.1344
25	0.0222	0.0106	60	0.2643	0.1501
26	0.0226	0.0107	61	0.2917	0.1659
27	0.0228	0.0109	62	0.3229	0.1837
28	0.0228	0.0111	63	0.3599	0.2080
29	0.0229	0.0114	64	0.4021	0.2367
30	0.0231	0.0118	65	0.4504	0.2723
31	0.0238	0.0123	66	0.5057	0.3118
32	0.0249	0.0130	67	0.5594	0.3582
33	0.0269	0.0137	68	0.6202	0.4036
34	0.0302	0.0146	69	0.7017	0.4546
35	0.0340	0.0169	70	0.7828	0.5130
36	0.0382	0.0193	71	0.8702	0.5696
37	0.0425	0.0217	72	0.9643	0.6297
38	0.0468	0.0240	73	1.0813	0.6959
39	0.0509	0.0262	74	1.1964	0.7841
40	0.0547	0.0283	75	1.3285	0.8701
41	0.0584	0.0305	76	1.4797	0.9678
42	0.0618	0.0330	77	1.6508	1.0757
43	0.0653	0.0357	78	1.8423	1.1923
44	0.0692	0.0389	79	2.0534	1.3163
45	0.0736	0.0427	80	2.2841	1.4502
46	0.0787	0.0470	81	2.5382	1.5972
47	0.0846	0.0517	82	2.8208	1.7607
48	0.0913	0.0567	83	3.1344	1.9438
49	0.0979	0.0620	84	3.5081	2.1486
50	0.1050	0.0674	85	3.9193	2.3782
51	0.1126	0.0731			
52	0.1208	0.0791			
53	0.1295	0.0855			
54	0.1483	0.0908			

Table 3: Alaska TRS DCR Mortality Rates (Post-termination)

Age	Male	Female	Age	Male	Female
50	0.1544%	0.1124%	85	5.7637%	3.9636%
51	0.1656	0.1219	86	6.4248	4.3940
52	0.1777	0.1318	87	7.2770	4.8789
53	0.1904	0.1424	88	8.2264	5.4261
54	0.2181	0.1513	89	9.2884	6.0450
55	0.2375	0.1641	90	10.4794	6.8659
56	0.2597	0.1756	91	11.8129	7.7983
57	0.2795	0.1887	92	13.2941	8.8452
58	0.3113	0.2035	93	14.9196	10.0021
59	0.3543	0.2240	94	16.5479	11.2560
60	0.3887	0.2501	95	18.2705	12.5866
61	0.4289	0.2765	96	20.0693	13.9699
62	0.4749	0.3062	97	21.9249	15.3813
63	0.5293	0.3466	98	23.3940	16.4973
64	0.5913	0.3946	99	25.2821	17.8741
65	0.6624	0.4538	100	26.7022	18.8730
66	0.7436	0.5196	101	28.5888	20.1393
67	0.8227	0.5970	102	29.9408	20.9540
68	0.9121	0.6727	103	31.8102	22.0440
69	1.0318	0.7576	104	33.1094	22.6232
70	1.1511	0.8550	105	34.9384	23.7489
71	1.2798	0.9494	106	36.0058	24.6863
72	1.4180	1.0494	107	36.8483	25.8063
73	1.5902	1.1599	108	37.4013	27.0683
74	1.7595	1.3068	109	37.6000	28.4323
75	1.9536	1.4502	110	37.6000	29.8577
76	2.1760	1.6130	111	37.6000	31.3043
77	2.4276	1.7929	112	37.6000	32.7318
78	2.7093	1.9871	113	37.6000	34.0998
79	3.0198	2.1938	114	37.6000	35.3678
80	3.3590	2.4170	115	37.6000	36.4959
81	3.7326	2.6620	116	37.6000	37.4435
82	4.1482	2.9345	117	37.6000	38.1702
83	4.6095	3.2397	118	37.6000	38.6359
84	5.1589	3.5811	119	100.0000	100.0000

Table 4: Alaska TRS DCR Turnover Rates

Select Rates of Turnover During the First 5 Years of Employment

Years of Service	Male	Female
0	20.70%	21.80%
1	19.55	18.70
2	16.10	15.40
3	13.80	13.20
4	11.50	11.00
5	7.32	8.05

Ultimate Rates of Turnover After the First 5 Years of Employment

Age	Male	Female	Age	Male	Female
15	6.2959%	6.6811%	40	6.1753%	6.5647%
16	6.2959	6.6811	41	6.1604	6.5516
17	6.2959	6.6811	42	6.1455	6.5386
18	6.2959	6.6811	43	6.1081	6.5175
19	6.2959	6.6811	44	6.0706	6.4965
20	6.2959	6.6811	45	6.0332	6.4754
21	6.2959	6.6811	46	5.9957	6.4544
22	6.2959	6.6811	47	5.9583	6.4333
23	6.2903	6.6773	48	5.9053	6.3975
24	6.2847	6.6735	49	5.8522	6.3617
25	6.2791	6.6697	50	5.7992	6.3259
26	6.2735	6.6659	51	5.7461	6.2901
27	6.2679	6.6621	52	5.6931	6.2543
28	6.2623	6.6583	53	5.5800	6.1818
29	6.2567	6.6544	54	5.4670	6.1093
30	6.2512	6.6506	55	5.3539	6.0367
31	6.2456	6.6467	56	5.2409	5.9642
32	6.2400	6.6429	57	5.1278	5.8917
33	6.2360	6.6351	58	5.1711	6.0021
34	6.2320	6.6273	59	5.2144	6.1125
35	6.2280	6.6194	60	5.2578	6.2230
36	6.2240	6.6116	61	5.3011	6.3334
37	6.2200	6.6038	62	5.3444	6.4438
38	6.2051	6.5908	63	5.7296	6.6292
39	6.1902	6.5777	64	6.1148	6.8146
			65+	6.5000	7.0000

Table 5: Alaska TRS DCR Disability Rates

Age	Unisex
< 19	0.0560%
20	0.0560
21	0.0563
22	0.0565
23	0.0574
24	0.0583
25	0.0593
26	0.0602
27	0.0611
28	0.0611
29	0.0612
30	0.0612
31	0.0613
32	0.0613
33	0.0622
34	0.0631
35	0.0641
36	0.0650
37	0.0659
38	0.0674
39	0.0689
40	0.0703
41	0.0718
42	0.0733
43	0.0770
44	0.0806
45	0.0843
46	0.0879
47	0.0916
48	0.0975
49	0.1034
50	0.1093
51	0.1152
52	0.1211
53	0.1356
54	0.1501

Table 6: Alaska TRS DCR Retirement Rates

Age	Unisex Rate
< 54	2.0%
55	3.0
56	3.0
57	3.0
58	3.0
59	3.0
60	5.0
61	5.0
62	10.0
63	5.0
64	5.0
65	25.0
66	25.0
67	25.0
68	20.0
69	20.0
> 70	100.0

Section 3 – Summary of Plan Provisions

Effective Date

July 1, 2006, with amendments through June 30, 2017.

Administration of Plan

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

The Alaska Retirement Management Board prescribes policies, adopts regulations, invests the funds, and performs other activities necessary to carry out the provisions of the Plan.

Employers Included

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

Membership

An employee of a participating employer who first enters service on or after July 1, 2006, or a member of the defined benefit plan who works for an employer who began participation on or after July 1, 2006, and meets the following criteria is a member in the Plan:

- Permanent full-time or part-time elementary or secondary teachers, school nurses, or a person in a position requiring a teaching certificate as a condition of hire in a public school of the State of Alaska, the Department of Education and Early Development or in the Department of Labor and Workforce Development.
- Full-time or part-time teachers at the University of Alaska or persons occupying full-time administrative positions requiring academic standing who are not in the University's Optional Retirement Plan.

Members can convert to TRS DCR if they are an eligible non-vested member of the TRS defined benefit plan whose employer consents to transfers to the defined contribution plan and they elect to transfer his or her account balance to TRS DCR.

Member Contributions

Other than the member-paid premiums discussed later in this section, there are no member contributions for the occupational death & disability and retiree medical benefits.

Retiree Medical Benefits

- Member must retire directly from the plan to be eligible for retiree medical coverage. Normal retirement eligibility is the earlier of a) 30 years of service or b) Medicare eligible and 10 years of service.
- No subsidized retiree medical benefits are provided until normal retirement eligibility. The member's and any covered dependent premium is 100% until the member is Medicare eligible. Upon the member's Medicare-eligibility, the required contribution will follow the service-based schedule shown below.
- Coverage cannot be denied except for failure to pay premium.
- Members who are receiving disability benefits or survivors who are receiving monthly survivor benefits are not eligible until the member meets, or would have met if he/she had lived, the normal retirement eligibility requirements.
- The following is a summary of the medical benefit design adopted in July 2016. The plan description below is used for valuation purposes and indicates participant cost-sharing. Please refer to the benefit handbook for more details.

Plan Design Feature	In-Network ¹	Out-of-Network ^{1 2}
Deductible (single/family)	\$300/\$600	\$300/\$600
Medical services (participant share)	20%	40%
Emergency Room Copay (non-emergent use)	\$100	\$100
Medical Out-of-Pocket Maximum (single/family, after deductible)	\$1,200 / \$2,400	\$2,400 / \$4,800
Medicare Coordination	Exclusion	Exclusion
Pharmacy	No Deductible	No Deductible
Retail Generic (per 30-day fill):	20% \$10 min / \$50 max	
Retail Non-Formulary Brand (per 30-day fill):	25% \$25 min / \$75 max	40%
Retail Formulary Brand (per 30-day fill):	35% \$80 min / \$150 max	
Mail-Order Generic:	\$20 copay	
Mail-Order Non-Formulary Brand:	\$50 copay	40%
Mail-Order Formulary Brand	\$100 copay	
Pharmacy Out-of-Pocket Max (single/family)	\$1,000 / \$2,000	\$1,000 / \$2,000
Medicare Pharmacy Arrangement	Retiree Drug Subsidy / Employer Group Waiver Plan effective 1/1/2019	
Wellness/Preventative	100%, Not subject to deductible	

¹ Assumed to increase annually to mitigate impact of healthcare cost trend

² OON applies only to non-Medicare eligible participants.

- Buck used its manual rate models to determine relative plan values for the defined benefit (DB) retiree medical plan and the adopted DCR retiree medical plan outlined above. We applied the ratio of the DCR retiree medical plan value to the DB retiree medical plan value to the per capita costs determined for each of pre/post-Medicare medical and pharmacy benefits to estimate corresponding values for the adopted DCR retiree medical plan design. These factors are noted in Section 5.3. We further adjusted the Medicare medical manual rate to reflect the Medicare coordination method adopted. The RDS subsidy offset in 2019 was increased by 60% to reflect estimated Medicare reimbursements under the Employer Group Waiver Plan (EGWP) arrangement. We reflect estimated discounts and pharmacy rebates in the defined benefit medical cost assumptions so no further adjustment was needed for the DCR retiree medical plan. The medical network differential is reflected in the relative plan value adjustments.
- The retiree medical plan’s coverage is supplemental to Medicare. Medicare coordination is described in the 2016 DCR Plan Handbook, referred to in the industry as exclusion coordination: Medicare payment is deducted from the Medicare allowable expense and plan parameters are applied to the remaining amount. Starting in 2019, the prescription drug coverage will be through a Medicare Part D EGWP arrangement.
- The premium for Medicare-eligible retirees will be based on the member’s years of service. The percentage of premium paid by the member is as follows:

Years of Service	Percent of Premium Paid by Member
Less than 15 years	30%
15 – 19	25%
20 – 24	20%
25 – 29	15%
30 years or more	10%

- The premium for dependents who are not eligible for Medicare aligns with the member’s subsidy. While a member is not Medicare-eligible, premiums are 100% of the estimated cost.
- Members have a separate defined contribution Health Reimbursement Arrangement account, which is not reflected in this valuation, that can be used to pay for premiums or other medical expenses.
- For valuation purposes, retiree premiums were assumed to equal the percentages outlined in the table above times the age-related plan costs. Future premiums calculated and charged to DCR participants will need to be determined reflecting any appropriate adjustments to the defined benefit (DB) plan data because current DB premiums were determined using information based upon enrollment with dual coverage members.
- Coverage will continue for surviving spouses of covered retired members.

Occupational Disability Benefits

- Benefit is 40% of salary at date of disability.
- Disability Benefit Adjustment: The disability benefit is increased by 75% of the cost of living increase in the preceding calendar year or 9%, whichever is less.
- Member earns service while on occupational disability.

- Benefits cease when the member becomes eligible for normal retirement at Medicare-eligible age and 10 years of service, or at any age with 30 years of service.
- No subsidized retiree medical benefits are provided until normal retirement eligibility. The member's premium is 100% of the estimated cost until they are Medicare eligible. Medicare-eligible premiums follow the service-based schedule above.

Occupational Death Benefits

- Benefit is 40% of salary.
- Survivor's Pension Adjustment: A survivor's pension is increased by 50% of the cost of living increase in the preceding calendar year or 6%, whichever is less, if the recipient is at least age 60 on July 1, or under age 60 if the recipient has been receiving TRS benefits for at least 8 years as of July 1.
- Benefits cease when the member would have become eligible for normal retirement.
- The period during which the survivor is receiving benefits is counted as service credit toward retiree medical benefits.
- No subsidized retiree medical benefits are provided until the member would have been eligible for normal retirement. The surviving spouse's premium is 100% of the estimated cost until the member would have been Medicare eligible. Medicare-eligible premiums follow the service-based schedule above.

Changes Since the Prior Valuation

There have been no changes in TRS DCR benefit provisions since the prior valuation other than the State's decision to defer the EGWP implementation date from January 1, 2018 to January 1, 2019.

Appendix

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
 Schedule A - Employers' Allocation of Net OPEB Liability as of 6/30/2017

Employer Number	Employer Name	FY2017 Employer Contributions	Employer Proportion*	Total OPEB Liability	Plan Fiduciary Net Position	Net OPEB Liability	Total Deferred Outflows	Total Deferred Inflows	Plan Fiduciary Net Position as % of Total OPEB Liability	Covered Payroll	Net OPEB Liability as % of Covered Payroll
701	ANCHORAGE SD	1,088,040	30.86980%	81,188	1,090,013	(1,008,825)	7,104	(42,472)			
704	CORDOVA CITY SD	8,255	0.23422%	616	8,270	(7,654)	-	(1,480)			
705	CRAIG CITY SD	10,123	0.28721%	755	10,141	(9,386)	152	(395)			
706	FAIRBANKS NORTH STAR BOROUGH SD	302,829	8.59184%	22,597	303,378	(280,781)	-	(17,477)			
707	HAINES BOROUGH SD	11,408	0.32367%	851	11,429	(10,577)	1,472	(445)			
708	HOONAH CITY SD	5,737	0.16278%	428	5,748	(5,320)	-	(1,468)			
709	HYDABURG CITY SD	2,575	0.07305%	192	2,579	(2,387)	1,873	(101)			
710	JUNEAU BOROUGH SD	109,405	3.10404%	8,164	109,604	(101,440)	1,501	(4,271)			
712	KAKE CITY SD	6,569	0.18637%	490	6,581	(6,091)	434	(256)			
714	KETCHIKAN GATEWAY BOROUGH SD	55,768	1.58224%	4,161	55,869	(51,708)	1,559	(2,177)			
717	KLAWOCK CITY SD	5,163	0.14648%	385	5,172	(4,787)	-	(1,039)			
718	KODIAK ISLAND BOROUGH SD	95,933	2.72181%	7,158	96,107	(88,949)	-	(8,983)			
719	NENANA CITY SD	10,364	0.29405%	773	10,383	(9,610)	-	(1,329)			
720	NOME CITY SD	23,171	0.65740%	1,729	23,213	(21,484)	1,776	(904)			
722	MATANUSKA-SUSITNA BOROUGH SD	388,607	11.02554%	28,997	389,312	(360,315)	-	(27,564)			
723	PELICAN CITY SD	632	0.01794%	47	633	(586)	-	(63)			
724	PETERSBURG CITY SD	8,243	0.23388%	615	8,258	(7,643)	1,175	(322)			
727	SITKA BOROUGH SD	37,822	1.07309%	2,822	37,891	(35,069)	-	(2,073)			
728	SKAGWAY CITY SD	5,516	0.15651%	412	5,526	(5,115)	-	(1,502)			
729	UNALASKA CITY SD	12,088	0.34297%	902	12,110	(11,208)	1,796	(472)			
730	VALDEZ CITY SD	15,462	0.43869%	1,154	15,490	(14,336)	-	(4,296)			
731	WRANGELL PUBLIC SD	9,387	0.26632%	700	9,404	(8,703)	-	(812)			
732	YAKUTAT SD	2,305	0.06541%	172	2,310	(2,137)	-	(1,017)			
733	UNIVERSITY OF ALASKA	80,942	2.29648%	6,040	81,089	(75,049)	-	(3,789)			
735	GALENA CITY SD	22,862	0.64865%	1,706	22,904	(21,198)	-	(2,047)			
736	NORTH SLOPE BOROUGH SD	106,955	3.03452%	7,981	107,149	(99,168)	3,499	(4,175)			
737	STATE OF ALASKA	12,631	0.35837%	943	12,654	(11,712)	1,560	(493)			
742	BRISTOL BAY BOROUGH SD	3,913	0.11103%	292	3,920	(3,628)	1,330	(153)			
743	SOUTHEAST REGIONAL RESOURCE CENTER	4,990	0.14156%	372	4,999	(4,626)	69	(195)			
744	DILLINGHAM CITY SD	20,508	0.58186%	1,530	20,545	(19,015)	3,882	(801)			
746	KENAI PENINSULA BOROUGH SD	231,529	6.56894%	17,276	231,949	(214,673)	-	(10,550)			
748	SAINT MARY'S SD	5,777	0.16391%	431	5,788	(5,357)	626	(226)			
751	NORTHWEST ARCTIC BOROUGH SD	109,915	3.11850%	8,202	110,114	(101,913)	1,597	(4,291)			
752	BERING STRAIT SD	127,530	3.61827%	9,516	127,761	(118,245)	4,087	(4,978)			
753	LOWER YUKON SD	91,713	2.60206%	6,843	91,879	(85,035)	6,927	(3,580)			
754	LOWER KUSKOKWIM SD	176,650	5.01190%	13,181	176,970	(163,789)	-	(10,130)			
755	KUSPUK SD	20,433	0.57974%	1,525	20,470	(18,946)	-	(1,102)			
756	SOUTHWEST REGION SD	39,370	1.11700%	2,938	39,441	(36,504)	-	(3,725)			
757	LAKE AND PENINSULA BOROUGH SD	26,922	0.76384%	2,009	26,971	(24,962)	2,570	(1,051)			
758	ALEUTIAN REGION SD	3,033	0.08605%	226	3,038	(2,812)	181	(118)			
759	PRIBILOF SD	4,551	0.12912%	340	4,559	(4,220)	453	(178)			
761	IDITAROD AREA SD	13,841	0.39268%	1,033	13,866	(12,833)	-	(4,228)			
762	YUKON / KOYUKUK SD	28,623	0.81209%	2,136	28,675	(26,539)	2,279	(1,117)			
763	YUKON FLATS SD	16,591	0.47071%	1,238	16,621	(15,383)	599	(648)			
764	DENALI BOROUGH SD	12,203	0.34624%	911	12,226	(11,315)	-	(2,159)			
765	DELTA/GREELY SD	17,703	0.50226%	1,321	17,735	(16,414)	653	(691)			
766	ALASKA GATEWAY SD	15,344	0.43534%	1,145	15,372	(14,227)	-	(2,349)			
767	COPPER RIVER SD	7,784	0.22085%	581	7,798	(7,217)	344	(304)			
768	CHATHAM SD	8,813	0.25003%	658	8,829	(8,171)	-	(1,075)			
769	SOUTHEAST ISLAND SD	12,718	0.36082%	949	12,741	(11,792)	124	(496)			
770	ANNETTE ISLAND SD	17,635	0.50034%	1,316	17,667	(16,351)	-	(1,628)			
771	CHUGACH SD	3,595	0.10200%	268	3,602	(3,333)	126	(140)			
775	TANANA SD	1,385	0.03929%	103	1,387	(1,284)	1,156	(54)			
777	KASHUNAMIUT SD	12,863	0.36494%	960	12,886	(11,926)	1,827	(502)			
778	YUPIIT SD	28,226	0.80082%	2,106	28,277	(26,171)	430	(1,102)			
779	SPECIAL EDUCATION SERVICE AGENCY	5,995	0.17010%	447	6,006	(5,559)	-	(293)			
780	ALEUTIANS EAST BOROUGH SD	15,664	0.44441%	1,169	15,692	(14,523)	-	(1,461)			
Total		3,524,609	100.00000%	263,000	3,531,000	(3,268,000)	53,159	(190,744)	1342.59%	300,750,000	-1.09%

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

*Based on Retiree Medical Contributions

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
Schedule A - Employers' Allocation of Net OPEB Liability as of 6/30/2017

Employer Number	Employer Name	Net OPEB Liability 1% Decrease Discount Rate (7.0% Discount Rate)	Net OPEB Liability 1% Increase Discount Rate (9.0% Discount Rate)
701	ANCHORAGE SD	(1,013,764)	(1,006,356)
704	CORDOVA CITY SD	(7,692)	(7,636)
705	CRAIG CITY SD	(9,432)	(9,363)
706	FAIRBANKS NORTH STAR BOROUGH SD	(282,156)	(280,094)
707	HAINES BOROUGH SD	(10,629)	(10,552)
708	HOONAH CITY SD	(5,346)	(5,307)
709	HYDABURG CITY SD	(2,399)	(2,381)
710	JUNEAU BOROUGH SD	(101,937)	(101,192)
712	KAKE CITY SD	(6,120)	(6,076)
714	KETCHIKAN GATEWAY BOROUGH SD	(51,961)	(51,581)
717	KLAWOCK CITY SD	(4,810)	(4,775)
718	KODIAK ISLAND BOROUGH SD	(89,384)	(88,731)
719	NENANA CITY SD	(9,657)	(9,586)
720	NOME CITY SD	(21,589)	(21,431)
722	MATANUSKA-SUSITNA BOROUGH SD	(362,079)	(359,433)
723	PELICAN CITY SD	(589)	(585)
724	PETERSBURG CITY SD	(7,681)	(7,624)
727	SITKA BOROUGH SD	(35,240)	(34,983)
728	SKAGWAY CITY SD	(5,140)	(5,102)
729	UNALASKA CITY SD	(11,263)	(11,181)
730	VALDEZ CITY SD	(14,406)	(14,301)
731	WRANGELL PUBLIC SD	(8,746)	(8,682)
732	YAKUTAT SD	(2,148)	(2,132)
733	UNIVERSITY OF ALASKA	(75,416)	(74,865)
735	GALENA CITY SD	(21,302)	(21,146)
736	NORTH SLOPE BOROUGH SD	(99,654)	(98,925)
737	STATE OF ALASKA	(11,769)	(11,683)
742	BRISTOL BAY BOROUGH SD	(3,646)	(3,619)
743	SOUTHEAST REGIONAL RESOURCE CENTER	(4,649)	(4,615)
744	DILLINGHAM CITY SD	(19,108)	(18,969)
746	KENAI PENINSULA BOROUGH SD	(215,724)	(214,147)
748	SAINT MARY'S SD	(5,383)	(5,343)
751	NORTHWEST ARCTIC BOROUGH SD	(102,411)	(101,663)
752	BERING STRAIT SD	(118,824)	(117,956)
753	LOWER YUKON SD	(85,452)	(84,827)
754	LOWER KUSKOKWIM SD	(164,591)	(163,388)
755	KUSPUK SD	(19,039)	(18,899)
756	SOUTHWEST REGION SD	(36,682)	(36,414)
757	LAKE AND PENINSULA BOROUGH SD	(25,084)	(24,901)
758	ALEUTIAN REGION SD	(2,826)	(2,805)
759	PRIBILOF SD	(4,240)	(4,209)
761	IDITAROD AREA SD	(12,896)	(12,801)
762	YUKON / KOYUKUK SD	(26,669)	(26,474)
763	YUKON FLATS SD	(15,458)	(15,345)
764	DENALI BOROUGH SD	(11,370)	(11,287)
765	DELTA/GREELY SD	(16,494)	(16,374)
766	ALASKA GATEWAY SD	(14,297)	(14,192)
767	COPPER RIVER SD	(7,253)	(7,200)
768	CHATHAM SD	(8,211)	(8,151)
769	SOUTHEAST ISLAND SD	(11,849)	(11,763)
770	ANNETTE ISLAND SD	(16,431)	(16,311)
771	CHUGACH SD	(3,350)	(3,325)
775	TANANA SD	(1,290)	(1,281)
777	KASHUNAMIUT SD	(11,984)	(11,897)
778	YUPIIT SD	(26,299)	(26,107)
779	SPECIAL EDUCATION SERVICE AGENCY	(5,586)	(5,545)
780	ALEUTIANS EAST BOROUGH SD	(14,595)	(14,488)
Total		(3,284,000)	(3,260,000)

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

*Based on Retiree Medical Contributions

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
 Schedule B - Employers' Allocation of Net OPEB Liability as of 6/30/2018

Employer Number	Employer Name	FY2018 Employer Contributions	Employer Proportion*	Total OPEB Liability	Plan Fiduciary Net Position	Net OPEB Liability	Total Deferred Outflows	Total Deferred Inflows	Plan Fiduciary Net Position as % of Total OPEB Liability	Covered Payroll	Net OPEB Liability as % of Covered Payroll
701	ANCHORAGE SD	1,012,203	30.94564%	90,052	1,175,006	(1,084,954)	6,364	(105,888)			
704	CORDOVA CITY SD	6,541	0.19997%	582	7,593	(7,011)	967	(1,707)			
705	CRAIG CITY SD	9,009	0.27544%	802	10,458	(9,657)	468	(923)			
706	FAIRBANKS NORTH STAR BOROUGH SD	283,341	8.66246%	25,208	328,914	(303,706)	-	(36,103)			
707	HAINES BOROUGH SD	8,512	0.26024%	757	9,881	(9,124)	3,110	(872)			
708	HOONAH CITY SD	5,716	0.17474%	509	6,635	(6,127)	-	(2,038)			
709	HYDABURG CITY SD	2,307	0.07053%	205	2,678	(2,473)	1,749	(236)			
710	JUNEAU BOROUGH SD	104,798	3.20396%	9,324	121,654	(112,331)	1,345	(13,563)			
712	KAKE CITY SD	6,378	0.19499%	567	7,404	(6,836)	388	(897)			
714	KETCHIKAN GATEWAY BOROUGH SD	55,042	1.68279%	4,897	63,896	(58,999)	1,396	(8,481)			
717	KLAWOCK CITY SD	4,207	0.12861%	374	4,883	(4,509)	505	(1,182)			
718	KODIAK ISLAND BOROUGH SD	78,014	2.38509%	6,941	90,562	(83,621)	9,507	(12,689)			
719	NENANA CITY SD	8,156	0.24934%	726	9,468	(8,742)	1,262	(1,664)			
720	NOME CITY SD	23,903	0.73078%	2,127	27,748	(25,621)	1,591	(4,522)			
722	MATANUSKA-SUSITNA BOROUGH SD	358,542	10.96155%	31,898	416,210	(384,312)	1,807	(47,853)			
723	PELICAN CITY SD	580	0.01773%	52	673	(622)	6	(94)			
724	PETERSBURG CITY SD	11,220	0.34303%	998	13,025	(12,027)	1,053	(4,232)			
727	SITKA BOROUGH SD	34,610	1.05811%	3,079	40,177	(37,097)	423	(4,081)			
728	SKAGWAY CITY SD	5,847	0.17875%	520	6,787	(6,267)	-	(2,379)			
729	UNALASKA CITY SD	13,596	0.41567%	1,210	15,783	(14,573)	1,609	(3,446)			
730	VALDEZ CITY SD	12,723	0.38899%	1,132	14,770	(13,638)	1,403	(4,612)			
731	WRANGELL PUBLIC SD	8,082	0.24708%	719	9,382	(8,663)	543	(1,228)			
732	YAKUTAT SD	2,554	0.07807%	227	2,964	(2,737)	-	(1,450)			
733	UNIVERSITY OF ALASKA	74,591	2.28045%	6,636	86,589	(79,952)	453	(8,209)			
735	GALENA CITY SD	22,074	0.67487%	1,964	25,625	(23,661)	-	(4,037)			
736	NORTH SLOPE BOROUGH SD	109,512	3.34807%	9,743	127,126	(117,383)	3,135	(20,078)			
737	STATE OF ALASKA	13,081	0.39991%	1,164	15,184	(14,021)	1,398	(2,513)			
742	BRISTOL BAY BOROUGH SD	5,512	0.16851%	490	6,398	(5,908)	1,192	(2,188)			
743	SOUTHEAST REGIONAL RESOURCE CENTER	2,899	0.08862%	258	3,365	(3,107)	1,557	(297)			
744	DILLINGHAM CITY SD	20,987	0.64164%	1,867	24,363	(22,496)	3,477	(3,839)			
746	KENAI PENINSULA BOROUGH SD	215,820	6.59816%	19,201	250,532	(231,332)	-	(24,301)			
748	SAINT MARY'S SD	4,131	0.12629%	368	4,795	(4,428)	1,623	(423)			
751	NORTHWEST ARCTIC BOROUGH SD	108,628	3.32102%	9,664	126,099	(116,435)	1,431	(16,852)			
752	BERING STRAIT SD	116,341	3.55685%	10,350	135,054	(124,703)	5,395	(11,925)			
753	LOWER YUKON SD	77,748	2.37694%	6,917	90,253	(83,336)	12,561	(7,969)			
754	LOWER KUSKOKWIM SD	156,389	4.78120%	13,913	181,542	(167,629)	6,514	(18,926)			
755	KUSPUK SD	17,835	0.54525%	1,587	20,703	(19,116)	974	(2,101)			
756	SOUTHWEST REGION SD	36,134	1.10470%	3,215	41,945	(38,731)	348	(5,663)			
757	LAKE AND PENINSULA BOROUGH SD	26,693	0.81608%	2,375	30,986	(28,612)	2,302	(4,211)			
758	ALEUTIAN REGION SD	2,763	0.08447%	246	3,207	(2,962)	207	(283)			
759	PRIBILOF SD	3,457	0.10569%	308	4,013	(3,706)	1,067	(354)			
761	IDITAROD AREA SD	10,360	0.31672%	922	12,026	(11,104)	2,145	(4,366)			
762	YUKON / KOYUKUK SD	27,797	0.84981%	2,473	32,267	(29,795)	2,042	(3,914)			
763	YUKON FLATS SD	12,520	0.38278%	1,114	14,534	(13,420)	3,019	(1,283)			
764	DENALI BOROUGH SD	10,794	0.32999%	960	12,530	(11,570)	459	(2,614)			
765	DELTA/GREELY SD	16,606	0.50768%	1,477	19,277	(17,799)	585	(1,855)			
766	ALASKA GATEWAY SD	14,956	0.45725%	1,331	17,362	(16,031)	-	(3,719)			
767	COPPER RIVER SD	10,832	0.33115%	964	12,574	(11,610)	308	(4,225)			
768	CHATHAM SD	7,733	0.23642%	688	8,977	(8,289)	384	(1,448)			
769	SOUTHEAST ISLAND SD	11,015	0.33676%	980	12,787	(11,807)	790	(1,129)			
770	ANNETTE ISLAND SD	16,687	0.51015%	1,485	19,370	(17,886)	-	(2,829)			
771	CHUGACH SD	3,435	0.10500%	306	3,987	(3,681)	113	(437)			
775	TANANA SD	2,024	0.06189%	180	2,350	(2,170)	1,036	(846)			
777	KASHUNAMIUT SD	13,224	0.40429%	1,176	15,351	(14,174)	1,636	(2,467)			
778	YUPIIT SD	23,623	0.72221%	2,102	27,422	(25,321)	2,605	(2,421)			
779	SPECIAL EDUCATION SERVICE AGENCY	6,073	0.18568%	540	7,050	(6,510)	-	(1,115)			
780	ALEUTIANS EAST BOROUGH SD	12,754	0.38991%	1,135	14,805	(13,670)	1,539	(2,068)			
Total		3,270,906	100.00000%	291,000	3,797,000	(3,506,000)	95,789	(431,045)	1304.81%	327,765,000	-1.07%

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

*Based on Retiree Medical Contributions

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
Schedule B - Employers' Allocation of Net OPEB Liability as of 6/30/2018

Employer Number	Employer Name	Net	Net
		OPEB Liability 1% Decrease Discount Rate (7.0% Discount Rate)	OPEB Liability 1% Increase Discount Rate (9.0% Discount Rate)
701	ANCHORAGE SD	(1,090,524)	(1,081,860)
704	CORDOVA CITY SD	(7,047)	(6,991)
705	CRAIG CITY SD	(9,706)	(9,629)
706	FAIRBANKS NORTH STAR BOROUGH SD	(305,265)	(302,840)
707	HAINES BOROUGH SD	(9,171)	(9,098)
708	HOONAH CITY SD	(6,158)	(6,109)
709	HYDABURG CITY SD	(2,485)	(2,466)
710	JUNEAU BOROUGH SD	(112,907)	(112,010)
712	KAKE CITY SD	(6,872)	(6,817)
714	KETCHIKAN GATEWAY BOROUGH SD	(59,302)	(58,830)
717	KLAWOCK CITY SD	(4,532)	(4,496)
718	KODIAK ISLAND BOROUGH SD	(84,051)	(83,383)
719	NENANA CITY SD	(8,787)	(8,717)
720	NOME CITY SD	(25,753)	(25,548)
722	MATANUSKA-SUSITNA BOROUGH SD	(386,285)	(383,216)
723	PELICAN CITY SD	(625)	(620)
724	PETERSBURG CITY SD	(12,088)	(11,992)
727	SITKA BOROUGH SD	(37,288)	(36,992)
728	SKAGWAY CITY SD	(6,299)	(6,249)
729	UNALASKA CITY SD	(14,648)	(14,532)
730	VALDEZ CITY SD	(13,708)	(13,599)
731	WRANGELL PUBLIC SD	(8,707)	(8,638)
732	YAKUTAT SD	(2,751)	(2,729)
733	UNIVERSITY OF ALASKA	(80,363)	(79,724)
735	GALENA CITY SD	(23,782)	(23,593)
736	NORTH SLOPE BOROUGH SD	(117,986)	(117,049)
737	STATE OF ALASKA	(14,093)	(13,981)
742	BRISTOL BAY BOROUGH SD	(5,938)	(5,891)
743	SOUTHEAST REGIONAL RESOURCE CENTER	(3,123)	(3,098)
744	DILLINGHAM CITY SD	(22,611)	(22,432)
746	KENAI PENINSULA BOROUGH SD	(232,519)	(230,672)
748	SAINT MARY'S SD	(4,451)	(4,415)
751	NORTHWEST ARCTIC BOROUGH SD	(117,033)	(116,103)
752	BERING STRAIT SD	(125,343)	(124,347)
753	LOWER YUKON SD	(83,763)	(83,098)
754	LOWER KUSKOKWIM SD	(168,490)	(167,151)
755	KUSPUK SD	(19,215)	(19,062)
756	SOUTHWEST REGION SD	(38,929)	(38,620)
757	LAKE AND PENINSULA BOROUGH SD	(28,759)	(28,530)
758	ALEUTIAN REGION SD	(2,977)	(2,953)
759	PRIBILOF SD	(3,725)	(3,695)
761	IDITAROD AREA SD	(11,161)	(11,073)
762	YUKON / KOYUKUK SD	(29,947)	(29,710)
763	YUKON FLATS SD	(13,489)	(13,382)
764	DENALI BOROUGH SD	(11,629)	(11,537)
765	DELTA/GREELY SD	(17,891)	(17,748)
766	ALASKA GATEWAY SD	(16,114)	(15,986)
767	COPPER RIVER SD	(11,670)	(11,577)
768	CHATHAM SD	(8,331)	(8,265)
769	SOUTHEAST ISLAND SD	(11,868)	(11,773)
770	ANNETTE ISLAND SD	(17,978)	(17,835)
771	CHUGACH SD	(3,700)	(3,671)
775	TANANA SD	(2,181)	(2,164)
777	KASHUNAMIUT SD	(14,247)	(14,134)
778	YUPIIT SD	(25,451)	(25,248)
779	SPECIAL EDUCATION SERVICE AGENCY	(6,543)	(6,491)
780	ALEUTIANS EAST BOROUGH SD	(13,740)	(13,631)
Total		(3,524,000)	(3,496,000)

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

*Based on Retiree Medical Contributions

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
Schedule C - Employers' Allocation of OPEB Amounts as of 6/30/2018

Employer Number	Employer Name	Net OPEB Liability	Employer Proportion*	Deferred Outflows of Resources					Total Deferred Outflows	Difference Between Expected and Actual Experience
				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	(1,084,954)	30.94564%	-	-	-	-	6,364	6,364	(72,987)
704	CORDOVA CITY SD	(7,011)	0.19997%	-	-	-	-	967	967	(472)
705	CRAIG CITY SD	(9,657)	0.27544%	-	-	-	-	468	468	(650)
706	FAIRBANKS NORTH STAR BOROUGH SD	(303,706)	8.66246%	-	-	-	-	-	-	(20,431)
707	HAINES BOROUGH SD	(9,124)	0.26024%	-	-	-	-	3,110	3,110	(614)
708	HOONAH CITY SD	(6,127)	0.17474%	-	-	-	-	-	-	(412)
709	HYDABURG CITY SD	(2,473)	0.07053%	-	-	-	-	1,749	1,749	(166)
710	JUNEAU BOROUGH SD	(112,331)	3.20396%	-	-	-	-	1,345	1,345	(7,557)
712	KAKE CITY SD	(6,836)	0.19499%	-	-	-	-	388	388	(460)
714	KETCHIKAN GATEWAY BOROUGH SD	(58,999)	1.68279%	-	-	-	-	1,396	1,396	(3,969)
717	KLAWOCK CITY SD	(4,509)	0.12861%	-	-	-	-	505	505	(303)
718	KODIAK ISLAND BOROUGH SD	(83,621)	2.38509%	-	-	-	-	9,507	9,507	(5,625)
719	NENANA CITY SD	(8,742)	0.24934%	-	-	-	-	1,262	1,262	(588)
720	NOME CITY SD	(25,621)	0.73078%	-	-	-	-	1,591	1,591	(1,724)
722	MATANUSKA-SUSITNA BOROUGH SD	(384,312)	10.96155%	-	-	-	-	1,807	1,807	(25,853)
723	PELICAN CITY SD	(622)	0.01773%	-	-	-	-	6	6	(42)
724	PETERSBURG CITY SD	(12,027)	0.34303%	-	-	-	-	1,053	1,053	(809)
727	SITKA BOROUGH SD	(37,097)	1.05811%	-	-	-	-	423	423	(2,496)
728	SKAGWAY CITY SD	(6,267)	0.17875%	-	-	-	-	-	-	(422)
729	UNALASKA CITY SD	(14,573)	0.41567%	-	-	-	-	1,609	1,609	(980)
730	VALDEZ CITY SD	(13,638)	0.38899%	-	-	-	-	1,403	1,403	(917)
731	WRANGELL PUBLIC SD	(8,663)	0.24708%	-	-	-	-	543	543	(583)
732	YAKUTAT SD	(2,737)	0.07807%	-	-	-	-	-	-	(184)
733	UNIVERSITY OF ALASKA	(79,952)	2.28045%	-	-	-	-	453	453	(5,379)
735	GALENA CITY SD	(23,661)	0.67487%	-	-	-	-	-	-	(1,592)
736	NORTH SLOPE BOROUGH SD	(117,383)	3.34807%	-	-	-	-	3,135	3,135	(7,897)
737	STATE OF ALASKA	(14,021)	0.39991%	-	-	-	-	1,398	1,398	(943)
742	BRISTOL BAY BOROUGH SD	(5,908)	0.16851%	-	-	-	-	1,192	1,192	(397)
743	SOUTHEAST REGIONAL RESOURCE CENTER	(3,107)	0.08862%	-	-	-	-	1,557	1,557	(209)
744	DILLINGHAM CITY SD	(22,496)	0.64164%	-	-	-	-	3,477	3,477	(1,513)
746	KENAI PENINSULA BOROUGH SD	(231,332)	6.59816%	-	-	-	-	-	-	(15,562)
748	SAINT MARY'S SD	(4,428)	0.12629%	-	-	-	-	1,623	1,623	(298)
751	NORTHWEST ARCTIC BOROUGH SD	(116,435)	3.32102%	-	-	-	-	1,431	1,431	(7,833)
752	BERING STRAIT SD	(124,703)	3.55685%	-	-	-	-	5,395	5,395	(8,389)
753	LOWER YUKON SD	(83,336)	2.37694%	-	-	-	-	12,561	12,561	(5,606)
754	LOWER KUSKOKWIM SD	(167,629)	4.78120%	-	-	-	-	6,514	6,514	(11,277)
755	KUSPUK SD	(19,116)	0.54525%	-	-	-	-	974	974	(1,286)
756	SOUTHWEST REGION SD	(38,731)	1.10470%	-	-	-	-	348	348	(2,605)
757	LAKE AND PENINSULA BOROUGH SD	(28,612)	0.81608%	-	-	-	-	2,302	2,302	(1,925)
758	ALEUTIAN REGION SD	(2,962)	0.08447%	-	-	-	-	207	207	(199)
759	PRIBILOF SD	(3,706)	0.10569%	-	-	-	-	1,067	1,067	(249)
761	IDITAROD AREA SD	(11,104)	0.31672%	-	-	-	-	2,145	2,145	(747)
762	YUKON / KOYUKUK SD	(29,795)	0.84981%	-	-	-	-	2,042	2,042	(2,004)
763	YUKON FLATS SD	(13,420)	0.38278%	-	-	-	-	3,019	3,019	(903)
764	DENALI BOROUGH SD	(11,570)	0.32999%	-	-	-	-	459	459	(778)
765	DELTA/GREELY SD	(17,799)	0.50768%	-	-	-	-	585	585	(1,197)
766	ALASKA GATEWAY SD	(16,031)	0.45725%	-	-	-	-	-	-	(1,078)
767	COPPER RIVER SD	(11,610)	0.33115%	-	-	-	-	308	308	(781)
768	CHATHAM SD	(8,289)	0.23642%	-	-	-	-	384	384	(558)
769	SOUTHEAST ISLAND SD	(11,807)	0.33676%	-	-	-	-	790	790	(794)
770	ANNETTE ISLAND SD	(17,886)	0.51015%	-	-	-	-	-	-	(1,203)
771	CHUGACH SD	(3,681)	0.10500%	-	-	-	-	113	113	(248)
775	TANANA SD	(2,170)	0.06189%	-	-	-	-	1,036	1,036	(146)
777	KASHUNAMIUT SD	(14,174)	0.40429%	-	-	-	-	1,636	1,636	(954)
778	YUPIIT SD	(25,321)	0.72221%	-	-	-	-	2,605	2,605	(1,703)
779	SPECIAL EDUCATION SERVICE AGENCY	(6,510)	0.18568%	-	-	-	-	-	-	(438)
780	ALEUTIANS EAST BOROUGH SD	(13,670)	0.38991%	-	-	-	-	1,539	1,539	(920)
Total		(3,506,000)	100.00000%	-	-	-	-	95,789	95,789	(235,856)

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

*Based on Retiree Medical Contributions

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
Schedule C - Employers' Allocation of OPEB Amounts as of 6/30/2018

Employer Number	Employer Name	Deferred Inflows of Resources				OPEB Expense Recognized			
		Changes in Assumptions	Changes in Benefits	Difference Between Projected and Actual Investment Earnings	Changes in Proportion and Differences Between Employer Contributions	Total Deferred Inflows	Proportionate Share of OPEB Plan Expense	Net Amortization of Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions	Total
701	ANCHORAGE SD	-	-	(30,760)	(2,141)	(105,888)	(12,480)	507	(11,973)
704	CORDOVA CITY SD	-	-	(199)	(1,037)	(1,707)	(81)	(15)	(96)
705	CRAIG CITY SD	-	-	(274)	-	(923)	(111)	52	(59)
706	FAIRBANKS NORTH STAR BOROUGH SD	-	-	(8,610)	(7,061)	(36,103)	(3,493)	(806)	(4,299)
707	HAINES BOROUGH SD	-	-	(259)	-	(872)	(105)	348	243
708	HOONAH CITY SD	-	-	(174)	(1,453)	(2,038)	(70)	(166)	(237)
709	HYDABURG CITY SD	-	-	(70)	-	(236)	(28)	203	174
710	JUNEAU BOROUGH SD	-	-	(3,185)	(2,821)	(13,563)	(1,292)	(150)	(1,442)
712	KAKE CITY SD	-	-	(194)	(243)	(897)	(79)	19	(60)
714	KETCHIKAN GATEWAY BOROUGH SD	-	-	(1,673)	(2,839)	(8,481)	(679)	(146)	(825)
717	KLAWOCK CITY SD	-	-	(128)	(750)	(1,182)	(52)	(32)	(84)
718	KODIAK ISLAND BOROUGH SD	-	-	(2,371)	(4,692)	(12,689)	(962)	488	(474)
719	NENANA CITY SD	-	-	(248)	(828)	(1,664)	(101)	41	(60)
720	NOME CITY SD	-	-	(726)	(2,072)	(4,522)	(295)	(40)	(335)
722	MATANUSKA-SUSITNA BOROUGH SD	-	-	(10,896)	(11,103)	(47,853)	(4,421)	(1,095)	(5,515)
723	PELICAN CITY SD	-	-	(18)	(34)	(94)	(7)	(3)	(11)
724	PETERSBURG CITY SD	-	-	(341)	(3,082)	(4,232)	(138)	(213)	(351)
727	SITKA BOROUGH SD	-	-	(1,052)	(534)	(4,081)	(427)	(16)	(443)
728	SKAGWAY CITY SD	-	-	(178)	(1,780)	(2,379)	(72)	(202)	(274)
729	UNALASKA CITY SD	-	-	(413)	(2,053)	(3,446)	(168)	(36)	(204)
730	VALDEZ CITY SD	-	-	(387)	(3,308)	(4,612)	(157)	(232)	(389)
731	WRANGELL PUBLIC SD	-	-	(246)	(399)	(1,228)	(100)	13	(87)
732	YAKUTAT SD	-	-	(78)	(1,188)	(1,450)	(31)	(135)	(167)
733	UNIVERSITY OF ALASKA	-	-	(2,267)	(564)	(8,209)	(920)	(16)	(936)
735	GALENA CITY SD	-	-	(671)	(1,774)	(4,037)	(272)	(201)	(473)
736	NORTH SLOPE BOROUGH SD	-	-	(3,328)	(8,853)	(20,078)	(1,350)	(598)	(1,948)
737	STATE OF ALASKA	-	-	(398)	(1,173)	(2,513)	(161)	35	(126)
742	BRISTOL BAY BOROUGH SD	-	-	(168)	(1,623)	(2,188)	(68)	(38)	(106)
743	SOUTHEAST REGIONAL RESOURCE CENTER	-	-	(88)	-	(297)	(36)	170	134
744	DILLINGHAM CITY SD	-	-	(638)	(1,688)	(3,839)	(259)	221	(38)
746	KENAI PENINSULA BOROUGH SD	-	-	(6,559)	(2,180)	(24,301)	(2,661)	(247)	(2,908)
748	SAINT MARY'S SD	-	-	(126)	-	(423)	(51)	181	130
751	NORTHWEST ARCTIC BOROUGH SD	-	-	(3,301)	(5,718)	(16,852)	(1,339)	(455)	(1,794)
752	BERING STRAIT SD	-	-	(3,536)	-	(11,925)	(1,434)	614	(820)
753	LOWER YUKON SD	-	-	(2,363)	-	(7,969)	(959)	1,412	454
754	LOWER KUSKOKWIM SD	-	-	(4,753)	(2,897)	(18,926)	(1,928)	371	(1,557)
755	KUSPUK SD	-	-	(542)	(273)	(2,101)	(220)	74	(146)
756	SOUTHWEST REGION SD	-	-	(1,098)	(1,960)	(5,663)	(446)	(190)	(636)
757	LAKE AND PENINSULA BOROUGH SD	-	-	(811)	(1,475)	(4,211)	(329)	107	(222)
758	ALEUTIAN REGION SD	-	-	(84)	-	(283)	(34)	24	(10)
759	PRIBILOF SD	-	-	(105)	-	(354)	(43)	119	76
761	IDITAROD AREA SD	-	-	(315)	(3,304)	(4,366)	(128)	(151)	(279)
762	YUKON / KOYUKUK SD	-	-	(845)	(1,065)	(3,914)	(343)	122	(221)
763	YUKON FLATS SD	-	-	(380)	-	(1,283)	(154)	332	178
764	DENALI BOROUGH SD	-	-	(328)	(1,507)	(2,614)	(133)	(125)	(259)
765	DELTA/GREELY SD	-	-	(505)	(153)	(1,855)	(205)	51	(153)
766	ALASKA GATEWAY SD	-	-	(455)	(2,186)	(3,719)	(184)	(250)	(434)
767	COPPER RIVER SD	-	-	(329)	(3,114)	(4,225)	(134)	(303)	(436)
768	CHATHAM SD	-	-	(235)	(655)	(1,448)	(95)	(34)	(130)
769	SOUTHEAST ISLAND SD	-	-	(335)	-	(1,129)	(136)	87	(49)
770	ANNETTE ISLAND SD	-	-	(507)	(1,118)	(2,829)	(206)	(128)	(334)
771	CHUGACH SD	-	-	(104)	(85)	(437)	(42)	4	(38)
775	TANANA SD	-	-	(62)	(638)	(846)	(25)	51	26
777	KASHUNAMIUT SD	-	-	(402)	(1,111)	(2,467)	(163)	70	(94)
778	YUPIIT SD	-	-	(718)	-	(2,421)	(291)	286	(5)
779	SPECIAL EDUCATION SERVICE AGENCY	-	-	(185)	(493)	(1,115)	(75)	(54)	(129)
780	ALEUTIANS EAST BOROUGH SD	-	-	(388)	(761)	(2,068)	(157)	79	(78)
Total		-	-	(99,400)	(95,789)	(431,045)	(40,329)	0	(40,329)

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

*Based on Retiree Medical Contributions

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
 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	(17,543)	(17,543)	(17,543)	(7,950)	(7,455)	(31,491)
704	CORDOVA CITY SD	(132)	(132)	(132)	(70)	(67)	(207)
705	CRAIG CITY SD	(109)	(109)	(109)	(23)	(19)	(87)
706	FAIRBANKS NORTH STAR BOROUGH SD	(5,859)	(5,859)	(5,859)	(3,173)	(3,035)	(12,319)
707	HAINES BOROUGH SD	196	196	196	277	281	1,091
708	HOONAH CITY SD	(268)	(268)	(268)	(214)	(211)	(808)
709	HYDABURG CITY SD	162	162	162	184	185	659
710	JUNEAU BOROUGH SD	(2,019)	(2,019)	(2,019)	(1,026)	(975)	(4,160)
712	KAKE CITY SD	(95)	(95)	(95)	(35)	(31)	(158)
714	KETCHIKAN GATEWAY BOROUGH SD	(1,128)	(1,128)	(1,128)	(606)	(579)	(2,516)
717	KLAWOCK CITY SD	(107)	(107)	(107)	(68)	(65)	(222)
718	KODIAK ISLAND BOROUGH SD	(903)	(903)	(903)	(164)	(126)	(181)
719	NENANA CITY SD	(105)	(105)	(105)	(27)	(23)	(38)
720	NOME CITY SD	(467)	(467)	(467)	(240)	(228)	(1,064)
722	MATANUSKA-SUSITNA BOROUGH SD	(7,488)	(7,488)	(7,488)	(4,090)	(3,915)	(15,575)
723	PELICAN CITY SD	(14)	(14)	(14)	(8)	(8)	(31)
724	PETERSBURG CITY SD	(413)	(413)	(413)	(306)	(301)	(1,334)
727	SITKA BOROUGH SD	(633)	(633)	(633)	(305)	(288)	(1,165)
728	SKAGWAY CITY SD	(306)	(306)	(306)	(251)	(248)	(961)
729	UNALASKA CITY SD	(279)	(279)	(279)	(150)	(143)	(709)
730	VALDEZ CITY SD	(459)	(459)	(459)	(338)	(332)	(1,161)
731	WRANGELL PUBLIC SD	(132)	(132)	(132)	(55)	(51)	(184)
732	YAKUTAT SD	(181)	(181)	(181)	(157)	(155)	(594)
733	UNIVERSITY OF ALASKA	(1,346)	(1,346)	(1,346)	(640)	(603)	(2,474)
735	GALENA CITY SD	(594)	(594)	(594)	(385)	(374)	(1,494)
736	NORTH SLOPE BOROUGH SD	(2,551)	(2,551)	(2,551)	(1,513)	(1,459)	(6,319)
737	STATE OF ALASKA	(198)	(198)	(198)	(74)	(68)	(379)
742	BRISTOL BAY BOROUGH SD	(136)	(136)	(136)	(84)	(81)	(423)
743	SOUTHEAST REGIONAL RESOURCE CENTER	118	118	118	145	147	613
744	DILLINGHAM CITY SD	(153)	(153)	(153)	46	56	(3)
746	KENAI PENINSULA BOROUGH SD	(4,096)	(4,096)	(4,096)	(2,050)	(1,945)	(8,018)
748	SAINT MARY'S SD	107	107	107	146	148	584
751	NORTHWEST ARCTIC BOROUGH SD	(2,392)	(2,392)	(2,392)	(1,363)	(1,310)	(5,572)
752	BERING STRAIT SD	(1,460)	(1,460)	(1,460)	(358)	(301)	(1,489)
753	LOWER YUKON SD	26	26	26	763	801	2,951
754	LOWER KUSKOKWIM SD	(2,418)	(2,418)	(2,418)	(935)	(859)	(3,365)
755	KUSPUK SD	(244)	(244)	(244)	(75)	(66)	(254)
756	SOUTHWEST REGION SD	(834)	(834)	(834)	(492)	(474)	(1,846)
757	LAKE AND PENINSULA BOROUGH SD	(369)	(369)	(369)	(116)	(103)	(585)
758	ALEUTIAN REGION SD	(26)	(26)	(26)	1	2	(2)
759	PRIBILOF SD	57	57	57	90	92	359
761	IDITAROD AREA SD	(336)	(336)	(336)	(238)	(233)	(743)
762	YUKON / KOYUKUK SD	(374)	(374)	(374)	(111)	(97)	(543)
763	YUKON FLATS SD	109	109	109	228	234	948
764	DENALI BOROUGH SD	(318)	(318)	(318)	(216)	(210)	(775)
765	DELTA/GREELY SD	(245)	(245)	(245)	(87)	(79)	(369)
766	ALASKA GATEWAY SD	(516)	(516)	(516)	(375)	(367)	(1,429)
767	COPPER RIVER SD	(496)	(496)	(496)	(393)	(388)	(1,648)
768	CHATHAM SD	(172)	(172)	(172)	(99)	(95)	(352)
769	SOUTHEAST ISLAND SD	(110)	(110)	(110)	(5)	0	(5)
770	ANNETTE ISLAND SD	(426)	(426)	(426)	(267)	(259)	(1,026)
771	CHUGACH SD	(57)	(57)	(57)	(25)	(23)	(104)
775	TANANA SD	15	15	15	34	35	76
777	KASHUNAMIUT SD	(166)	(166)	(166)	(41)	(35)	(256)
778	YUPIIT SD	(135)	(135)	(135)	89	100	400
779	SPECIAL EDUCATION SERVICE AGENCY	(162)	(162)	(162)	(105)	(102)	(422)
780	ALEUTIANS EAST BOROUGH SD	(149)	(149)	(149)	(28)	(22)	(34)
Total		(58,329)	(58,329)	(58,329)	(27,329)	(25,729)	(107,212)

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

State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
 Schedule E - Contribution History

Employer Number	Employer Name	FY2018	FY2017	FY2016
701	ANCHORAGE SD	-	-	-
704	CORDOVA CITY SD	-	-	-
705	CRAIG CITY SD	-	-	-
706	FAIRBANKS NORTH STAR BOROUGH SD	-	-	-
707	HAINES BOROUGH SD	-	-	-
708	HOONAH CITY SD	-	-	-
709	HYDABURG CITY SD	-	-	-
710	JUNEAU BOROUGH SD	-	-	-
712	KAKE CITY SD	-	-	-
714	KETCHIKAN GATEWAY BOROUGH SD	-	-	-
717	KLAWOCK CITY SD	-	-	-
718	KODIAK ISLAND BOROUGH SD	-	-	-
719	NENANA CITY SD	-	-	-
720	NOME CITY SD	-	-	-
722	MATANUSKA-SUSITNA BOROUGH SD	-	-	-
723	PELICAN CITY SD	-	-	-
724	PETERSBURG CITY SD	-	-	-
727	SITKA BOROUGH SD	-	-	-
728	SKAGWAY CITY SD	-	-	-
729	UNALASKA CITY SD	-	-	-
730	VALDEZ CITY SD	-	-	-
731	WRANGELL PUBLIC SD	-	-	-
732	YAKUTAT SD	-	-	-
733	UNIVERSITY OF ALASKA	-	-	-
735	GALENA CITY SD	-	-	-
736	NORTH SLOPE BOROUGH SD	-	-	1,458
737	STATE OF ALASKA	-	-	-
742	BRISTOL BAY BOROUGH SD	-	-	-
743	SOUTHEAST REGIONAL RESOURCE CENTER	-	-	-
744	DILLINGHAM CITY SD	-	-	-
746	KENAI PENINSULA BOROUGH SD	-	-	-
748	SAINT MARY'S SD	-	-	-
751	NORTHWEST ARCTIC BOROUGH SD	-	-	-
752	BERING STRAIT SD	-	-	-
753	LOWER YUKON SD	-	-	-
754	LOWER KUSKOKWIM SD	-	-	-
755	KUSPUK SD	-	-	-
756	SOUTHWEST REGION SD	-	-	-
757	LAKE AND PENINSULA BOROUGH SD	-	-	-
758	ALEUTIAN REGION SD	-	-	-
759	PRIBILOF SD	-	-	-
761	IDITAROD AREA SD	-	-	-
762	YUKON / KOYUKUK SD	-	-	-
763	YUKON FLATS SD	-	-	-
764	DENALI BOROUGH SD	-	-	-
765	DELTA/GREELY SD	-	-	-
766	ALASKA GATEWAY SD	-	-	-
767	COPPER RIVER SD	-	-	-
768	CHATHAM SD	-	-	-
769	SOUTHEAST ISLAND SD	-	-	-
770	ANNETTE ISLAND SD	-	-	-
771	CHUGACH SD	-	-	-
775	TANANA SD	-	-	(5)
777	KASHUNAMIUT SD	-	-	-
778	YUPIIT SD	-	-	-
779	SPECIAL EDUCATION SERVICE AGENCY	-	-	-
780	ALEUTIANS EAST BOROUGH SD	-	-	-
Total		-	-	1,453

**State of Alaska Teachers' Retirement System DCR - Occupational Death & Disability
 Schedule E - Contribution History - Historical**

		FY2015	FY2014	FY2013	FY2012
Total	Total Plan Contributions	-	-	-	-

		FY2011	FY2010	FY2009
Total	Total Plan Contributions	474,000	442,000	623,000