State of Alaska Department of Administration Division of Retirement and Benefits

Presentation to the Senate Finance Committee

Funding Status Update

Public Employees' Retirement System (PERS) Teachers' Retirement System (TRS)

Kathy Lea, Director

Christopher Novell, Chief Financial Officer

Steve Ramos, Chief Health Officer

February 5, 2025



Organization – PERS / TRS

Dept. of Revenue
Treasury Division

Invests retirement system assets

Alaska Retirement Management Board (ARMB)

Sets contribution rates, invests retirement system assets Dept. of Administration

Division of Retirement & Benefits

Administer retirement and benefits system

Staff

General Consultants

Internal Investment Team

External Investment Management

Investment Advisory Committee

Reviewer Actuary (GRS) Staff

Valuation Actuary (Buck)/Consultants

Third Party Administrators (TPA)

External Audits



Membership (as of June 30, 2024)

		P	PERS				T	RS		Total	%
Employers			151				5	57		20	8
Defined Benefit (DB) Plans	Tier I	Tier II	Tier III	Total		Tier I	Tier II	Total			
Actives	408	1,571	5,984	7,963	DB: 22%	69	2,486	2,555	DB: 27%	10,518	DB: 23%
Inactive – Vested	204	1,253	3,059	4,516	DB: 61%	20	731	751	DB: 38%	5,267	DB: 56%
Retired	20,898	9,470	5,830	36,198	DB: 99%	9,383	3,853	13,236	DB: 100%	49,434	DB: 99%
TOTAL	21,510	12,294	14,873	48,677		9,472	7,070	16,542		65,219	
Defined Contribution (DC) Plans											
Actives				27,742	DC: 78%			6,742	DC: 73%	34,484	DC: 77%
Inactive - Vested				2,948	DC: 39%			1,244	DC: 62%	4,192	DC: 44%
Retired				339	DC: 1%			67	DC: 1%	406	DC: 1%
TOTAL				31,029				8,053		39,082	
GRAND TOTAL				79,706				24,595		104,301	



Investment Experience

	20	23	2024 (1	DRAFT)
	PERS	TRS	PERS	TRS
Assumed Actuarial Earnings Rate	7.25%	7.25%	7.25%	7.25%
Based on Fair Market Value of Assets	7.60%	7.60%	8.80%	8.90%
Based on Actuarial Value of Assets (Smoothing over 5-Year Period)	7.40%	7.40%	8.00%	8.00%

The actuarial value of assets was reinitialized to <u>equal</u>, fair value as of June 30, 2014, with the \$3 Billion infusion from HB 119.

Beginning in FY 2015, the valuation method recognizes 20% of the investment gain or loss each year for five years ("Smoothing").



Funded Status – Pension (\$000's)

Defined Benefit Pension		PERS			TRS	
	2022	2023	2024 (DRAFT)	2022	2023	2024 (DRAFT)
a. Actuarial Accrued Liability	\$16,093,679	\$16,835,581	\$17,059,775	\$7,804,046	\$8,036,685	\$8,018,737
b. Actuarial Value of Assets (AVA)	\$10,961,498	\$11,272,339		\$6,100,204	\$6,171,460	
c. Unfunded Actuarial Accrued Liability based on AVA	\$5,132,181	\$5,563,242	\$5,451,519	\$1,703,842	\$1,865,225	\$1,771,487
d. Funded Ratio based on AVA	68.1%	67.0%	68.0%	78.2%	76.8%	77.9%
e. Fair Value of Assets (FVA)	\$10,816,140	\$11,137,489	\$11,555,868	\$6,026,651	\$6,099,520	\$6,216,525
f. Unfunded Actuarial Accrued Liability based on FVA	\$5,277,539	\$5,698,092	\$5,503,907	\$1,777,395	\$1,937,165	\$1,802,212
g. Funded Ratio based on FVA	67.2%	66.2%	67.7%	77.2%	75.9%	77.5%



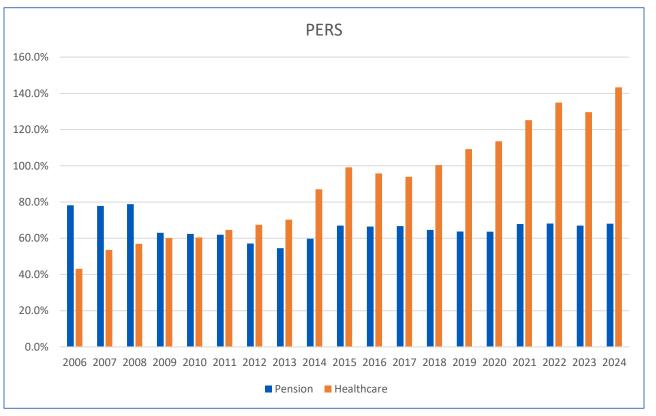
Funded Status – HealthCare (\$000's)

Defined Benefit HealthCare	PERS				TRS	TRS		
	2022	2023	2024 (DRAFT)	2022	2023	2024 (DRAFT)		
a. Actuarial Accrued Liability	\$6,657,069	\$7,085,823	\$6,583,950	\$2,442,577	\$2,617,821	\$2,450,150		
b. Actuarial Value of Assets (AVA)	\$8,979,943	\$9,180,231	\$9,433,351	\$3,437,216	\$3,547,973	\$3,677,415		
c. Unfunded Actuarial Accrued Liability based on AVA	(\$2,322,874)	(\$2,094,408)	(\$2,849,401)	(\$994,639)	(\$930,152)	(\$1,227,265)		
d. Funded Ratio based on AVA	134.9%	129.6%	143.3%	140.7%	135.5%	150.1%		
e. Fair Value of Assets (FVA)	\$8,869,134	\$9,076,222	\$9,400,625	\$3,392,211	\$3,506,595	\$3,665,189		
f. Unfunded Actuarial Accrued Liability based on FVA	(\$2,212,065)	(\$1,990,399)	(\$2,816,675)	(\$949,634)	(\$888,774)	(\$1,215,039)		
g. Funded Ratio based on FVA	133.2%	128.1%	142.8%	138.9%	134.0%	149.6%		



Funded Ratio – PERS Pension and HealthCare

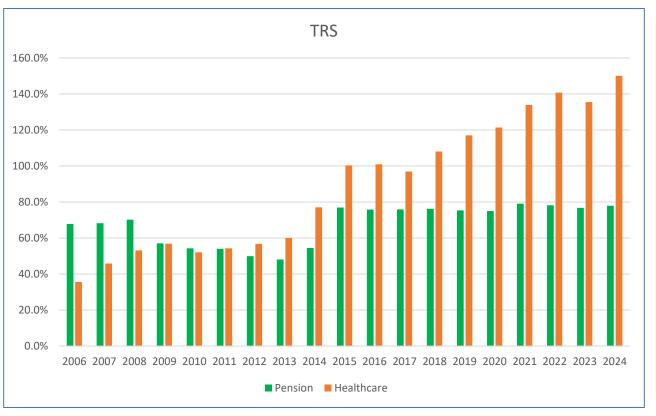
(Based on Actuarial Valuation Reports)





Funded Ratio - TRS Pension and HealthCare

(Based on Actuarial Valuation Reports)





Correlation between Actual Rate of Return and Funded Ratio — Pension only PERS

Fiscal Year End	Assumed Actuarial	Actual Rate of	Actuarial	Actuarial Valuation of	Actuarial Accrued	
30-Jun	Earnings Rate	Return	Funded Ratio	Assets (AVA)	Liabilities (AAL)	
		PE	RS	(\$mill	ions)	
2000	8.25%	10.16%	101.1%	\$7,455	\$7,377	
2001	8.25%	-5.37%	100.9%	\$7,942	\$7,869	
2002	8.25%	-5.48%	75.2%	\$7,413	\$9,860	
2003	8.25%	3.67%	72.8%	\$8,008	\$10,562	
2004	8.25%	15.08%	70.2%	\$8,030	\$11,444	
2005	8.25%	8.95%	65.7%	\$8,443	\$12,845	
2006	8.25%	11.74%	78.2%	\$6,331	\$8,094	
2007	8.25%	18.93%	77.8%	\$6,739	\$8,662	
2008	8.25%	-3.13%	78.8%	\$7,211	\$9,154	
2009	8.25%	-20.53%	63.0%	\$6,109	\$9,702	
2010	8.25%	11.39%	62.4%	\$6,470	\$10,372	
2011	8.00%	21.18%	61.9%	\$6,762	\$10,919	
2012	8.00%	0.46%	57.1%	\$6,530	\$11,429	
2013	8.00%	12.50%	54.5%	\$6,511	\$11,946	
2014	8.00%	18.56%	59.7%	\$7,731	\$12,948	
2015	8.00%	3.29%	67.0%	\$8,931	\$13,338	
2016	8.00%	-0.36%	66.4%	\$9,057	\$13,633	
2017	8.00%	13.35%	66.7%	\$9,230	\$13,832	
2018	7.38%	9.61%	64.6%	\$9,430	\$14,606	
2019	7.38%	6.40%	63.7%	\$9,577	\$15,039	
2020	7.38%	3.83%	63.6%	\$9,714	\$15,280	
2021	7.38%	27.62%	67.9%	\$10,467	\$15,420	
2022	7.25%	-4.08%	68.1%	\$10,961	\$16,094	
2023	7.25%	7.03%	67.0%	\$11,272	\$16,836	
2024	7.25%	7.03%	68.0%	\$11,608	\$17,060	
30-yea	30-year average rate of return: 7.77%					

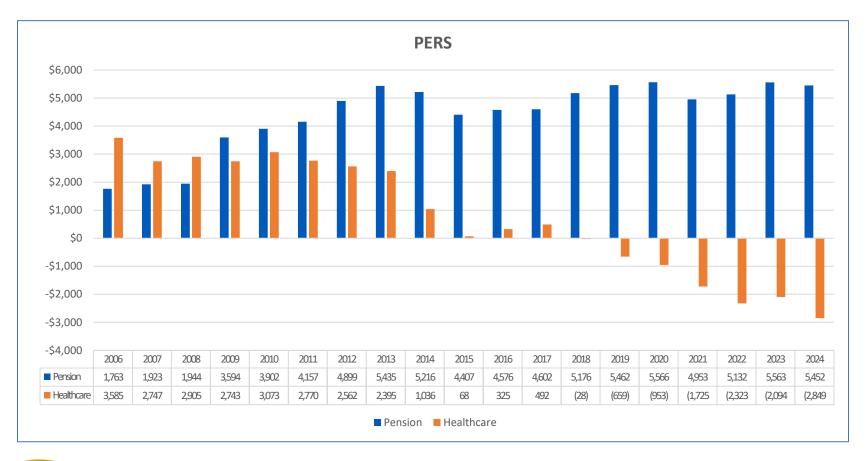


Correlation between Actual Rate of Return and Funded Ratio — Pension only TRS

Fiscal Year End	Assumed Actuarial	Actual Rate of	Actuarial	Actuarial Valuation of	Actuarial Accrued		
30-Jun	Earnings Rate	Return	Funded Ratio	Assets (AVA)	Liabilities (AAL)		
		TI	RS	(\$mill	ions)		
2000	8.25%	10.25%	99.6%	\$4,148	\$4,199		
2001	8.25%	-5.44%	95.0%	\$4,372	\$4,603		
2002	8.25%	-5.49%	68.2%	\$3,689	\$5,412		
2003	8.25%	3.68%	64.3%	\$3,752	\$5,836		
2004	8.25%	15.09%	62.8%	\$3,845	\$6,124		
2005	8.25%	9.01%	60.9%	\$3,959	\$6,499		
2006	8.25%	11.78%	67.8%	\$3,297	\$4,859		
2007	8.25%	18.97%	68.2%	\$3,442	\$5,043		
2008	8.25%	-3.12%	70.2%	\$3,670	\$5,232		
2009	8.25%	-20.67%	57.0%	\$3,116	\$5,464		
2010	8.25%	11.58%	54.3%	\$3,260	\$6,007		
2011	8.00%	21.36%	54.0%	\$3,346	\$6,196		
2012	8.00%	0.51%	49.9%	\$3,195	\$6,400		
2013	8.00%	12.59%	48.1%	\$3,170	\$6,590		
2014	8.00%	18.56%	54.5%	\$3,771	\$6,921		
2015	8.00%	3.30%	76.9%	\$5,423	\$7,052		
2016	8.00%	-0.36%	75.8%	\$5,429	\$7,160		
2017	8.00%	13.36%	75.9%	\$5,477	\$7,218		
2018	7.38%	9.62%	76.2%	\$5,542	\$7,276		
2019	7.38%	6.39%	75.3%	\$5,564	\$7,388		
2020	7.38%	3.82%	75.0%	\$5,587	\$7,447		
2021	7.38%	27.65%	79.1%	\$5,910	\$7,472		
2022	7.25%	-4.10%	78.2%	\$6,100	\$7,804		
2023	7.25%	7.02%	76.8%	\$6,171	\$8,037		
2024	7.25%	7.02%	77.9%	\$6,247	\$8,019		
30-yea	ar average rate of return:						

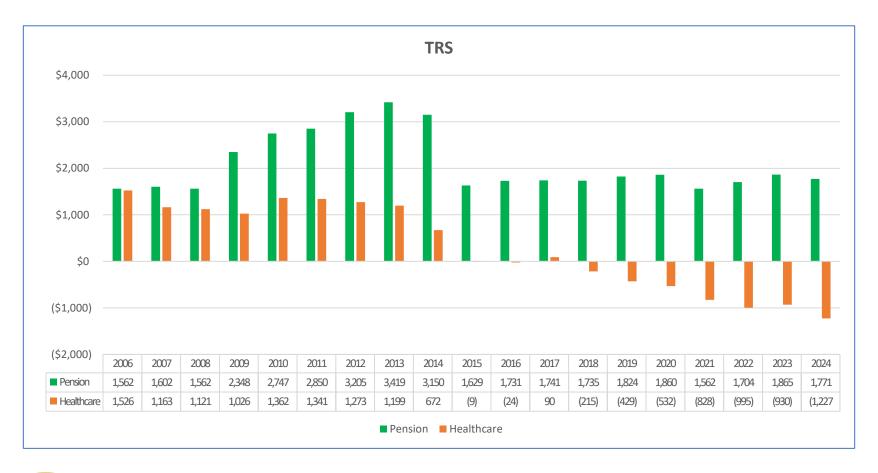


Unfunded Actuarial Liability – PERS (in \$millions)





Unfunded Actuarial Liability – TRS (in \$millions)





Additional State Contributions – History (whole dollars)

FY	Legislation	PERS	TRS	Total
2006	Chapter 3, FSSLA 05 (SB 46), Sec 59(b)	\$ 18,426,923	\$ -	\$ 18,426,923
2007	Chapter 82, SLA 06 (SB 231), Sec 60(b)	18,581,921	-	18,581,921
2008	Chapter 30, SLA 07 (SB 53), Sec 55(e)	185,000,000	269,992,300	454,992,300
	Chapter 28, SLA 07 (HB95), Sec 15(a)			
2009	Chapter 27, SLA 08 (HB 310), Sec 13(b) & (a)	241,600,000	206,300,000	447,900,000
2010	Chapter 12, SLA 09 (HB 81), Sec 23(b) & (a)	107,953,000	173,462,000	281,415,000
2011	Chapter 41, SLA 10 (HB 300), Sec 29(b) & (a)	165,841,171	190,850,258	356,691,429
2012	Chapter 3, FSSLA 11 (HB 108), Sec 29(b) & (a)	242,609,397	234,517,333	477,126,730
2013	Chapter 15, SLA 12 (HB 284), Sec 27(a) & (b)	307,302,392	302,777,153	610,079,545
2014	Chapter 14, SLA 13 (HB 65), Sec 29(a) & (b)	312,472,952	316,847,291	629,320,243
2015	Chapter 18, SLA 14 (HB 119), Sec 48(a) & (b)	1,000,000,000	2,000,000,000	3,000,000,000
2016	Chapter 1, SSSLA 15 (HB 2001), Sec 10(a) & (b)	126,520,764	130,108,327	256,629,091
2017	Chapter 3, 4SSLA 16 (HB 256), Sec 28(a) & (b)	99,166,576	116,699,959	215,866,535
2018	Chapter 1, SSSLA 17 (HB 57), Sec 41(a) & (b)	72,719,000	111,757,000	184,476,000
	Chapter 17, SLA 18 (HB 286), Sec 25(a)			
2019	Chapter 17, SLA 18 (HB 286), Sec 25(b) & (c)	135,219,000	128,174,000	263,393,000
2020	Chapter 1, FSSLA 19 (HB 39), Sec 35(a) & (b)	159,055,000	141,129,000	300,184,000
2021	Chapter 8, SLA 20 (HB 205), Sec 41(a) & (b)	203,585,000	134,976,000	338,561,000
2022	Chapter 1, SSSLA 21 (HB 69), Sec 73(b) & (c)	97,699,500	142,665,000	240,364,500
2023	Chapter 11, SLA 22 (HB 281), Sec 80(a) & (b)	33,933,000	91,029,000	124,962,000
2024	Chapter 1, FSSLA 23 (HB 39), Sec 74(a) & (b)	37,942,000	98,766,000	136,708,000
2025	Chapter 7, SLA 24 (HB 268), Sec 51(a) & (b)	59,149,000	123,358,000	182,507,000
	Total:	\$ 3,624,776,596	\$ 4,913,408,621	\$ 8,538,185,217



Additional State Contributions – Projected (whole dollars)

Fiscal Year	PERS	TRS	Total
ARM Adopted Rate: 2026	\$ 79,807,000	\$ 138,982,000	\$ 218,789,000
2027	70,227,000	147,074,000	217,301,000
2028	74,200,000	150,476,000	224,676,000
2029	78,225,000	154,154,000	232,379,000
2030	83,570,000	159,131,000	242,701,000
2031	88,405,000	164,177,000	252,582,000
2032	93,623,000	169,396,000	263,019,000
2033	98,801,000	174,728,000	273,529,000
2034	104,086,000	180,176,000	284,262,000
2035	109,509,000	185,595,000	295,104,000
2036	114,262,000	191,274,000	305,536,000
2037	119,057,000	197,025,000	316,082,000
2038	123,769,000	202,805,000	326,574,000
2039	128,752,000	208,877,000	337,629,000
	\$ 1,366,293,000	\$ 2,423,870,000	\$ 3,790,163,000



Additional State Contributions and Past Service Cost PERS (whole dollars)

Fiscal Year	Non-State Employers	State-as-an-Employer	Add'l State Cont	Total
ARM Adopted Rate: 2026	\$ 169,280,000	<u> </u>		
2027	183,854,000	255,175,000	70,227,000	509,256,000
2028	185,358,000	260,774,000	74,200,000	520,332,000
2029	186,973,000	266,541,000	78,225,000	531,739,000
2030	188,747,000	273,784,000	83,570,000	546,101,000
2031	191,135,000	281,145,000	88,405,000	560,685,000
2032	193,399,000	288,769,000	93,623,000	575,791,000
2033	195,967,000	296,668,000	98,801,000	591,436,000
2034	198,669,000	304,815,000	104,086,000	607,570,000
2035	201,687,000	313,271,000	109,509,000	624,467,000
2036	205,359,000	321,884,000	114,262,000	641,505,000
2037	209,189,000	330,704,000	119,057,000	658,950,000
2038	213,411,000	339,681,000	123,769,000	676,861,000
2039	217,760,000	349,061,000	128,752,000	695,573,000
	\$ 2,740,788,000	\$ 4,131,626,000	\$ 1,366,293,000	\$ 8,238,707,000



Additional State Contributions and Past Service Cost TRS (whole dollars)

Fiscal Year	Employer	Add'l State Cont	Total
ARM Adopted Rate: 2026	\$ 20,709,000	\$ 138,982,000	\$ 159,691,000
2027	20,807,000	147,074,000	\$ 167,881,000
2028	20,469,000	150,476,000	\$ 170,945,000
2029	20,068,000	154,154,000	\$ 174,222,000
2030	19,768,000	159,131,000	\$ 178,899,000
2031	19,481,000	164,177,000	\$ 183,658,000
2032	19,207,000	169,396,000	\$ 188,603,000
2033	18,945,000	174,728,000	\$ 193,673,000
2034	18,772,000	180,176,000	\$ 198,948,000
2035	18,783,000	185,595,000	\$ 204,378,000
2036	18,634,000	191,274,000	\$ 209,908,000
2037	18,760,000	197,025,000	\$ 215,785,000
2038	18,801,000	202,805,000	\$ 221,606,000
2039	18,847,000	208,877,000	\$ 227,724,000
	\$ 272,051,000	\$ 2,423,870,000	\$ 2,695,921,000



FY2026 Contribution Rates

Health Plan – Zero Normal Cost Impact on Contribution Rates (whole dollars)

		PERS				TRS			
	FY26 PERS To	tal Payroll *	\$	2,598,836,000	FY26 TRS Tota	l Payroll	\$	767,012,000	
	Preliminary	Contribution	Adopted	Contribution	Preliminary	Contribution	Adopted	Contribution	
DB Pension Plan - Normal Cost	2.14%	55,615,000	2.14%	55,615,000	2.21%	16,951,000	2.21%	16,951,000	
DB Pension Plan - Past Service Cost	18.63%	484,163,000	19.29%	501,315,000	21.12%	161,993,000	21.47%	164,677,000	
DB Health Plan - Normal Cost	1.97%	51,197,000	0.00%	-	2.15%	16,491,000	0.00%	-	
DCR Plan	6.90%	179,320,000	6.90%	179,320,000	7.65%	58,676,000	7.65%	58,676,000	
	29.64%	770,295,000	28.33%	736,250,000	33.13%	254,111,000	31.33%	240,305,000	
State Of Alaska Contributions	29.64%	383,145,000	28.33%	366,211,000					
Non-State Employer Contributions	22.00%	287,358,000	22.00%	287,358,000	12.56%	96,337,000	12.56%	96,337,000	
Additional State Contributions	7.38%	96,396,000	6.33%	79,807,000	19.86%	152,329,000	18.77%	138,982,000	

* PERS Non-State Employers Total Payroll: \$ 1,306,174,000
PERS State as an Employer Total Payroll: 1,292,662,000
FY26 PERS Total Payroll: \$ 2,598,836,000

Total Savings: \$34,045,000 (PERS) + \$13,806,000 (TRS) = \$47,851,000

(NOTE: some totals may not add due to rounding)



HealthCare Trusts Funded Level

Fiscal Year	with NC Contributed	Without NC Contributed	with NC Contributed	Without NC Contributed
	PE	RS	TI	RS
2025	146.8%	146.8%	154.1%	154.1%
2026	145.4%	145.4%	153.0%	153.0%
2027	148.8%	148.1%	156.8%	156.2%
2028	152.5%	151.1%	161.0%	159.8%
2029	156.1%	154.1%	165.1%	163.4%
2030	160.1%	157.5%	169.8%	167.6%
2031	164.7%	161.4%	175.2%	172.4%
2032	169.8%	165.9%	181.2%	178.0%
2033	175.5%	171.0%	188.1%	184.3%
2034	182.1%	176.9%	195.9%	191.5%
2035	189.4%	183.6%	204.7%	199.7%
2036	197.8%	191.2%	214.6%	209.0%
2037	207.3%	199.9%	225.8%	219.6%
2038	218.2%	209.9%	238.4%	231.5%
2039	230.6%	221.3%	252.8%	245.0%

NC = Normal Cost (the annual cost of future pension benefits and administrative expenses assigned under an actuarial cost method.)





FY2026 Contribution Rates – Defined Benefit Plans

Defined Benefit Plans	PERS	TRS
Employee		
All Other Employees	6.75%	
Peace Officer/Firefighter	7.50%	8.65%
School District Alternate Option	9.60%	
Employer (Rates capped by Alaska statute)	22.00%	12.56%
Additional State Contribution (for non-State employers)	6.33%	18.77%
Total Required Contributions for the Fiscal Year *	28.33%	31.33%



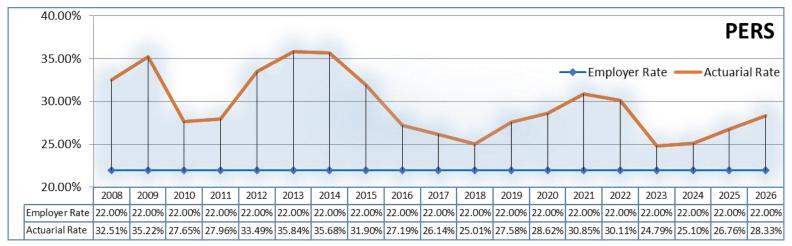
^{*} The total contribution rates for PERS and TRS include the DCR contribution rates.

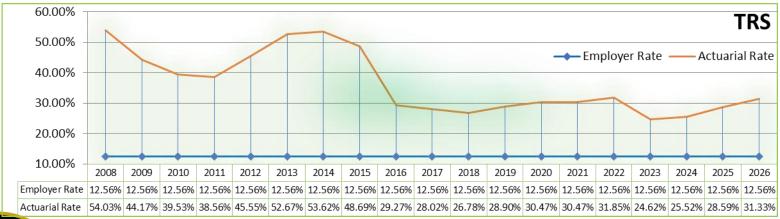
FY2026 Contribution Rates – Defined Contribution Plans

Defined Contribution Plans	PERS	TRS
Employee (to Investment Account)	8.00%	8.00%
Employer		
Investment Account	5.00%	7.00%
Health Care (Retiree Major Medical Plan)	0.86%	0.74%
Occupational Death & Disability		
All Others	0.24%	0.08%
 Peace Officer/Firefighter 	0.69%	N/A
Health Reimbursement Account (HRA)	Flat dollar amount	Flat dollar amount
(3% of all PERS/TRS average annual compensation)	computed annually	computed annually
Excess from Employers' Contributions (22% / 12.56%)	To DB Plans – Ur	funded Liability



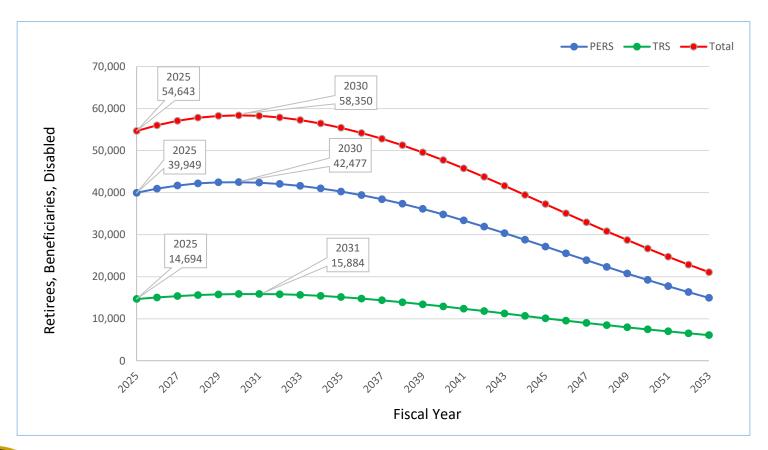
Contribution Rates – History





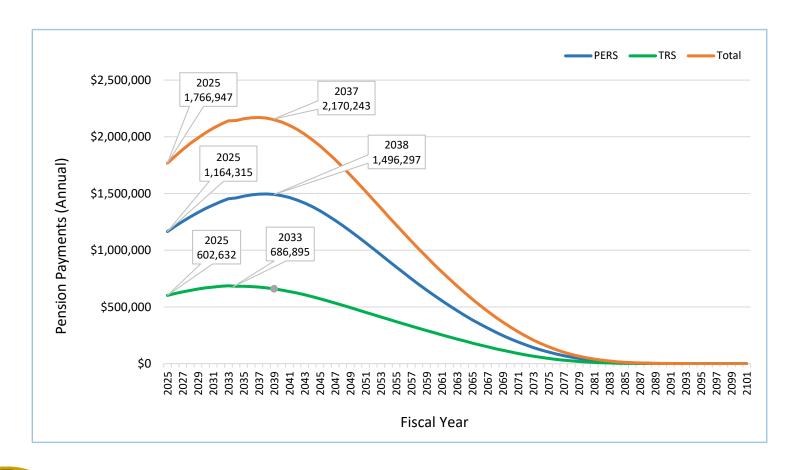


Projected Pension Benefit Recipients





Projected Pension Benefits Payment (\$000's)





AlaskaCare Employer Group Waiver Plan

- An Employer Group Waiver Plan (EGWP) is a group Medicare Part D prescription drug plan option.
- EGWP provides a direct subsidy which allows it to be considered when calculating the Other Post-Employment Benefits (OPEB) liability under both GASB & FASB accounting schemes.
- The implementation of EGWP reduced 6/30/18 healthcare liabilities by \$959M, which resulted in lower projected liabilities, lower projected contribution rates, and lower projected Additional State Contributions (\$752M for PERS, \$266M for TRS).



An Employer Group Waiver Plan (EGWP) Subsidy

Types of Funding	\$ (Millions)							
		2020		2021	2022	2023	E	2024 stimated
Direct Subsidy	\$	0.04	\$	(2.64)	\$ (5.23)	\$ (5.91)	\$	4.11
Catastrophic Reinsurance*		20.76		25.98	35.57	38.36		40.37
Low Income Premiums Subsidy		0.22		0.22	0.22	0.23		0.25
Low Income Cost Sharing Subsidy*		1.10		1.10	1.12	1.28		1.21
Coverage Gap Discount*		36.26		39.75	44.02	52.27	\$	56.55
TOTAL	\$	58.38	\$	64.41	\$ 75.70	\$ 86.23	\$	102.49



Source: OptumRx 25

^{* 2024} Amounts described above are estimates due to the dynamic nature of claims. The actual subsidy is subject to minor adjustments due to true-up.

HealthCare Cost Trend Rates

Fiscal Year	Medical Pre-65	Medical Post-65	Rx / EGWP
2025	6.40%	5.40%	8.80%
2026	6.20%	5.40%	8.50%
2027	6.05%	5.35%	8.20%
2030	5.45%	5.30%	7.05%
2031	5.30%	5.30%	6.60%
2032	5.30%	5.30%	6.15%
2033	5.30%	5.30%	5.70%
2034-2038	5.30%	5.30%	5.30%
2039	5.25%	5.25%	5.30%
2050+	4.50%	4.50%	4.50%

Trend rates were updated with the June 30, 2024, draft actuarial valuation reports by adopting the ARM Board of the most recent experience study. Beginning in the Fiscal Year 2039, trend rates were revised to reach an ultimate rate of 4.5% in Fiscal Year 2050.



Employers and Additional State Contributions

Process Timeline

Allocation of Projected Employer and Additional State Contribution Rates with Liabilities "Rolled Forward" for two years, Assets "Rolled Forward" for one year, and Smoothed.

2023 Valuation – Liabilities (Data Extract – August 2023)	2024 Assets w/Actual Rate of Return (ROR) 2025 Assets w/Projected ROR (7.25%) FY2026 Employers and Additional State Contributions
March 2024	September 2024
2024 Valuation (March 2025)	2025 Assets 2026 Assets FY2027 Contributions
2025 Valuation (March 2026)	2026 Assets 2027 Assets FY2028 Contributions
2026 Valuation (March 2027) (4-Year Experience Study)	2027 Assets 2028 Assets FY2029 Contributions
2027 Valuation (March 2028)	2028 Assets 2029 Assets FY2030 Contributions



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