

STATISTICAL SECTION



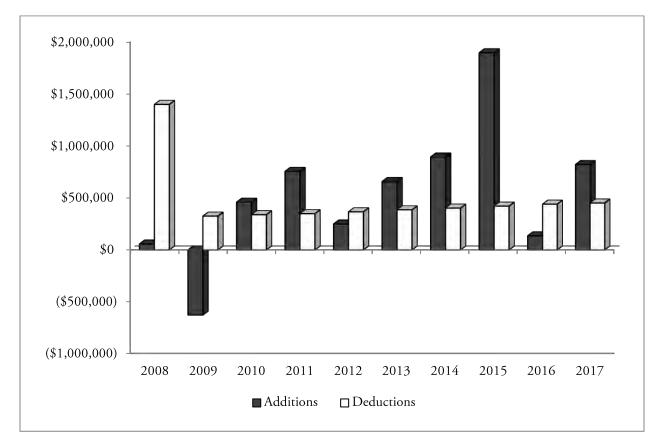
STATISTICAL SECTION OVERVIEW

The statistical section of the Teachers' Retirement System (System) comprehensive annual financial report provides additional detail in the form of financial trends, operating statistics and demographic information. This data is provided to enhance the reader's understanding of the System.

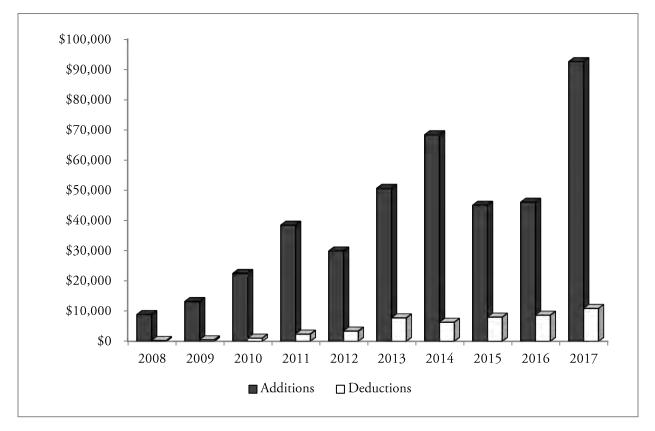
Financial Trends166-171
These schedules contain financial trend information utilizing a multi-year presentation so the reader can better understand how the System's financial performance has changed over time. Financial information is presented on an accrual basis.
Operating Information172-183
These schedules contain detailed benefit payment information to provide the reader a better understanding of the pension benefits provided by the Division.
Demographic Information184-189

These schedules contain detailed demographic data to provide the reader a better understanding of the membership and employer participation in the System.

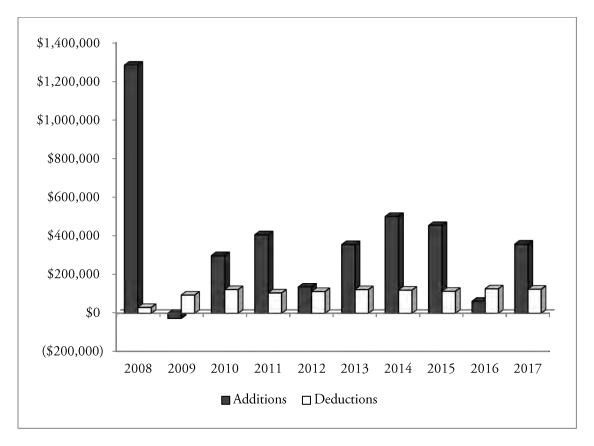
Teachers' Retirement System Defined Benefit Pension Changes in Fiduciary Net Position (In thousands)							
Year Ended June 30	Fiduciary Net Position, Beginning of Year	Additions	Deductions	Increase / (Decrease) in Fiduciary Net Position	Fiduciary Net Position, End of Year		
2008	\$ 4,893,114	\$ 57,423	\$ 1,399,739	\$(1,342,316)	\$ 3,550,798		
2009	3,550,798	(629,058)	325,307	(954,365)	2,596,433		
2010	2,596,433	458,984	338,860	120,124	2,716,557		
2011	2,716,557	755,768	348,795	406,973	3,123,530		
2012	3,123,530	249,803	366,686	(116,883)	3,006,647		
2013	3,006,647	658,405	385,922	272,483	3,279,130		
2014	3,279,130	894,170	402,161	492,009	3,771,139		
2015	3,771,139	1,475,816	5,246,955				
2016	5,246,955	135,476	440,230	(304,754)	4,942,201		
2017	4,942,201	821,406	451,312	370,094	5,312,295		



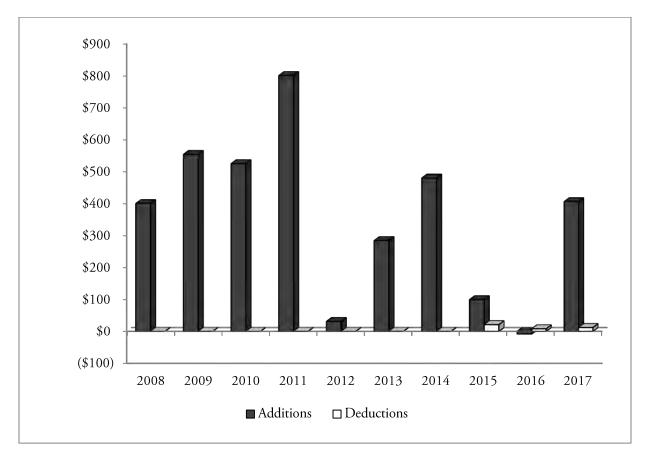
Teachers' Retirement System Defined Contribution Retirement Participant Directed Changes in Fiduciary Net Position (In thousands)							
Year Ended June 30	Fiduciary Net Position, Beginning of Year	Additions	Deductions	Increase / (Decrease) in Fiduciary Net Position	Fiduciary Net Position, End of Year		
2008	\$ 5,507	\$ 8,825	\$ 278	\$ 8,547	\$ 14,054		
2009	14,054	13,132	498	12,634	26,688		
2010	26,688	22,359	1,053	21,306	47,994		
2011	47,994	38,355	2,377	35,978	83,972		
2012	83,972	29,791	3,374	26,417	110,389		
2013	110,389	50,560	7,715	42,845	153,234		
2014	153,234	68,315	6,281	62,034	215,268		
2015	215,268	44,952	7,972	36,980	252,248		
2016	252,248	45,965	8,615	37,350	289,598		
2017	289,598	92,527	10,833	81,694	371,292		



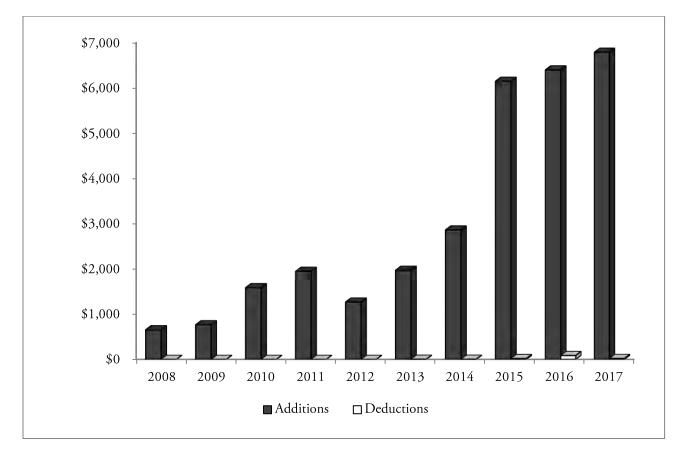
Teachers' Retirement System Defined Benefit Alaska Retiree Healthcare Trust Changes in Fiduciary Net Position (In thousands)							
Year Ended June 30	Fiduciary Net Position, Beginning of Year	Additions	Deductions	Increase / (Decrease) in Fiduciary Net Position	Fiduciary Net Position, End of Year		
2008	\$	\$ 1,283,865	\$ 30,292	\$ 1,253,573	\$ 1,253,573		
2009	1,253,573	(27,157)	95,383	(122,540)	1,131,033		
2010	1,131,033	300,736	124,133	176,603	1,307,636		
2011	1,307,636	408,179	106,485	301,694	1,609,330		
2012	1,609,330	137,594	113,883	23,711	1,633,041		
2013	1,633,041	357,454	124,074	233,380	1,866,421		
2014	1,866,421	502,833	121,119	381,714	2,248,135		
2015	2,248,135	456,055	115,224	340,831	2,588,966		
2016	2,588,966	63,079	128,465	(65,386)	2,523,580		
2017	2,523,580	360,197	126,145	234,052	2,757,632		



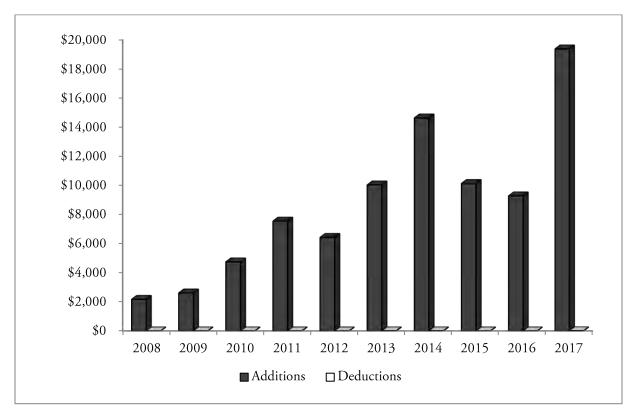
Teachers' Retirement System Defined Contribution Retirement Occupational Death & Disability Changes in Fiduciary Net Position (In thousands)							
Year Ended June 30	Fiduciary Net Position, Beginning of Year	Additions	Deductions	Increase / (Decrease) in Fiduciary Net Position	Fiduciary Net Position, End of Year		
2008	\$	\$ 400	\$	\$ 400	\$ 400		
2009	400	554		554	954		
2010	954	525		525	1,479		
2011	1,479	801		801	2,280		
2012	2,280	31		31	2,311		
2013	2,311	284	—	284	2,595		
2014	2,595	480		480	3,075		
2015	3,075	99	21	78	3,153		
2016	3,153	(8)	8	(16)	3,137		
2017	3,137	406	12	394	3,531		



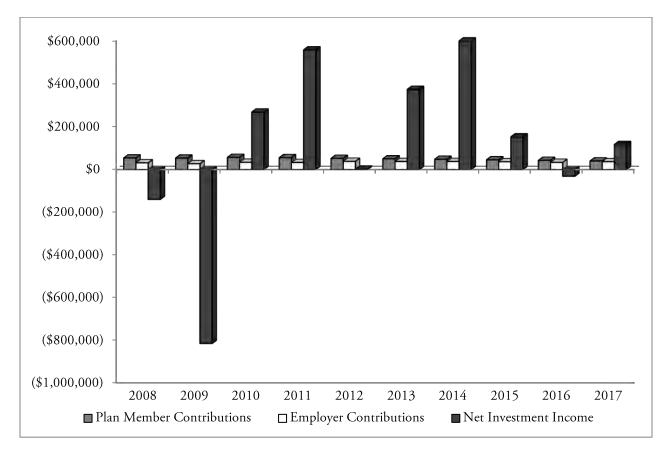
Teachers' Retirement System Defined Contribution Retirement Medical Plan Changes in Fiduciary Net Position (In thousands)							
Year Ended June 30	Fiduciary Net Position, Beginning of Year	Additions	Deductions	Increase / (Decrease) in Fiduciary Net Position	Fiduciary Net Position, End of Year		
2008	\$ 590	\$ 656	\$	\$ 656	\$ 1,246		
2009	1,246	766	—	766	2,012		
2010	2,012	1,586		1,586	3,598		
2011	3,598	1,947	—	1,947	5,545		
2012	5,545	1,267		1,267	6,812		
2013	6,812	1,970	3	1,967	8,779		
2014	8,779	2,861	3	2,858	11,637		
2015	11,637	6,147	18	6,129	17,766		
2016	17,766	6,399	86	6,313	24,079		
2017	24,079	6,784	15	6,769	30,848		



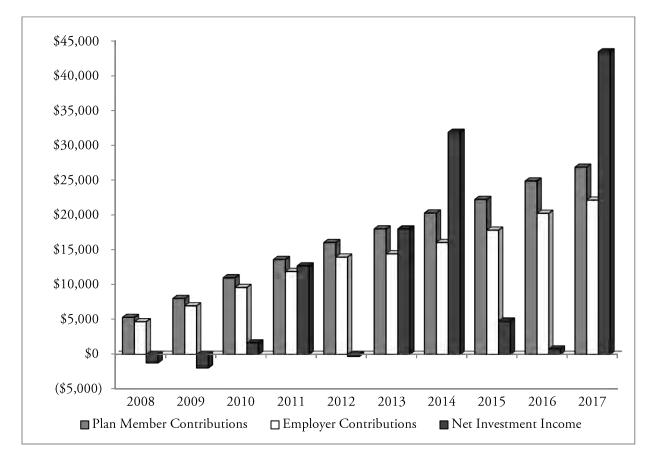
Teachers' Retirement System Defined Contribution Retirement Health Reimbursement Arrangement Changes in Fiduciary Net Position (In thousands)							
Year Ended June 30							
2008	\$ 974	\$ 2,202	\$	\$ 2,202	\$ 3,176		
2009	3,176	2,650		2,650	5,826		
2010	5,826	4,814		4,814	10,640		
2011	10,640	7,606		7,606	18,246		
2012	18,246	6,491	—	6,491	24,737		
2013	24,737	10,079	3	10,076	34,813		
2014	34,813	14,662	3	14,659	49,472		
2015	49,472	10,178		10,178	59,650		
2016	59,650	9,332	—	9,332	68,982		
2017	68,982	19,387	7	19,380	88,362		



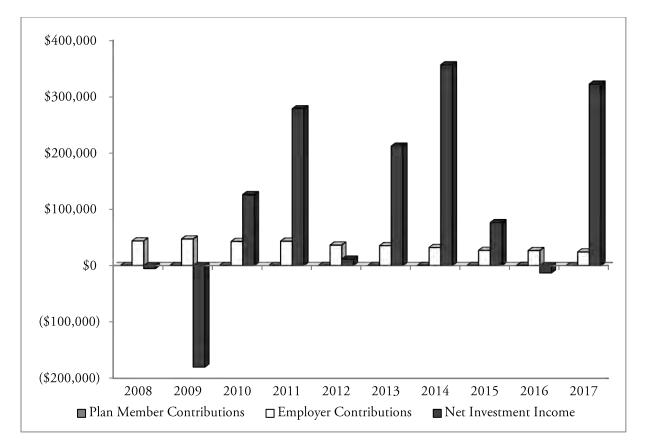
Teachers' Retirement System Defined Benefit Pension Additions by Source (In thousands)								
Year Ended June 30	Plan Member Contributions	Employer Contributions	State of Alaska	Net Investment Income (Loss)	Other	Total		
2008	\$ 54,121	\$ 31,313	\$ 111,237	\$ (139,282)	\$ 34	\$ 57,423		
2009	53,544	27,110	104,423	(814,138)	3	(629,058)		
2010	56,554	33,800	100,475	268,146	9	458,984		
2011	55,347	32,804	109,343	558,220	54	755,768		
2012	52,020	38,189	157,387	2,190	17	249,803		
2013	50,201	37,372	196,945	373,868	19	658,405		
2014	47,724	37,571	208,890	599,958	27	894,170		
2015	45,506	36,374	1,662,700	152,561	9	1,897,150		
2016	42,654	33,478	90,589	(31,340)	95	135,476		
2017	39,878	36,634	116,700	628,184	10	821,406		



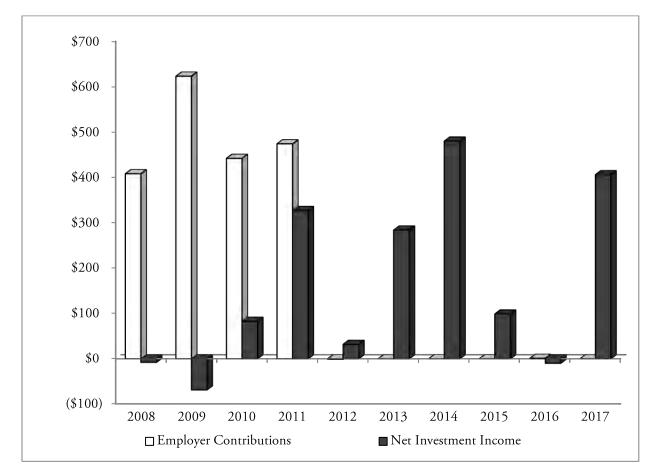
Teachers' Retirement System Defined Contribution Retirement Participant Directed Additions by Source (In thousands)							
YearPlanNet InvestmentEndedMemberEmployerIncomeJune 30ContributionsContributions(Loss)Other							
2008	\$ 5,347	\$ 4,717	\$ (1,239)	\$ —	\$ 8,825		
2009	8,077	7,023	(1,968)		13,132		
2010	11,051	9,658	1,650		22,359		
2011	13,665	11,943	12,742	5	38,355		
2012	16,095	14,003	(307)		29,791		
2013	18,044	14,474	18,040	2	50,560		
2014	20,326	16,098	31,887	4	68,315		
2015	22,269	17,863	4,820		44,952		
2016	24,904	20,280	773	8	45,965		
2017	26,888	22,165	43,417	57	92,527		



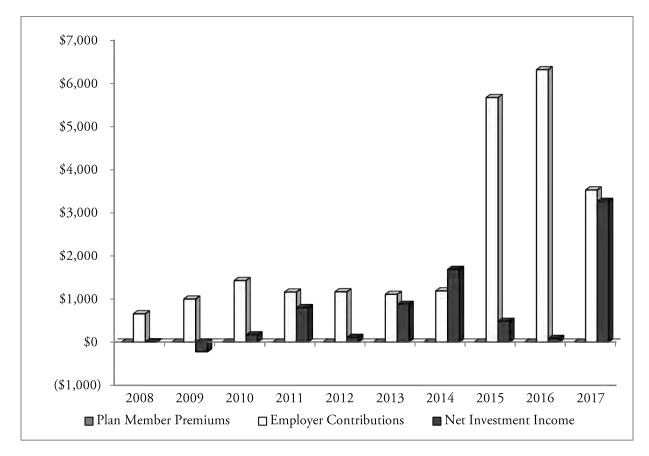
	Teachers' Retirement System Defined Benefit Alaska Retiree Healthcare Trust Additions by Source (In thousands)									
Year Ended June 30	Plan Member Premiums	Employer Contributions	State of Alaska	Net Investmen t Income (Loss)	Transfer	Other	Total			
2008	\$ 111	\$ 43,697	\$ 158,755	\$ (5,318)	\$1,086,620	\$ —	\$ 1,283,865			
2009	116	47,174	101,877	(179,919)		3,595	(27,157)			
2010	117	42,694	72,987	125,903		59,035	300,736			
2011	138	43,217	81,507	278,366		4,951	408,179			
2012	183	36,281	77,130	11,465		12,535	137,594			
2013	250	35,293	105,832	211,927	—	4,152	357,454			
2014	263	31,980	107,956	356,411		6,223	502,833			
2015	227	26,922	337,300	76,174	—	15,432	456,055			
2016	306	26,580	39,519	(13,070)	—	9,744	63,079			
2017		24,069		322,219		13,909	360,197			



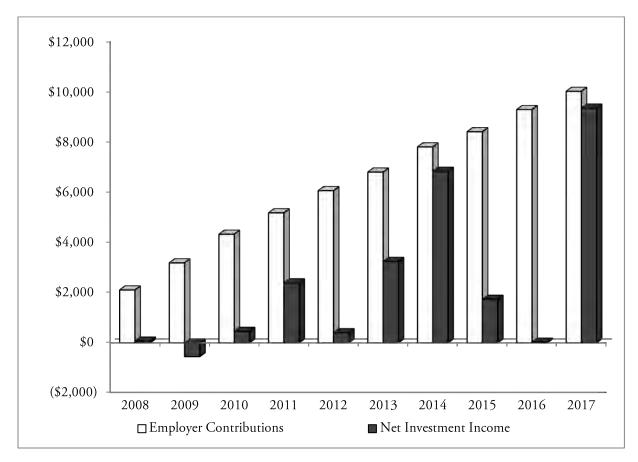
Teachers' Retirement System Defined Contribution Retirement Occupational Death & Disability Additions by Source (In thousands)								
Plan Ended June 30	Employer Contributions	Net Investment Income (Loss)	Other	Total				
2008	\$ 408	\$ (8)	\$	\$ 400				
2009	623	(69)	_	554				
2010	442	83		525				
2011	474	327		801				
2012	(1)	32	_	31				
2013	_	284		284				
2014	—	480	—	480				
2015	_	99	_	99				
2016	1	(10)	1	(8)				
2017		406		406				



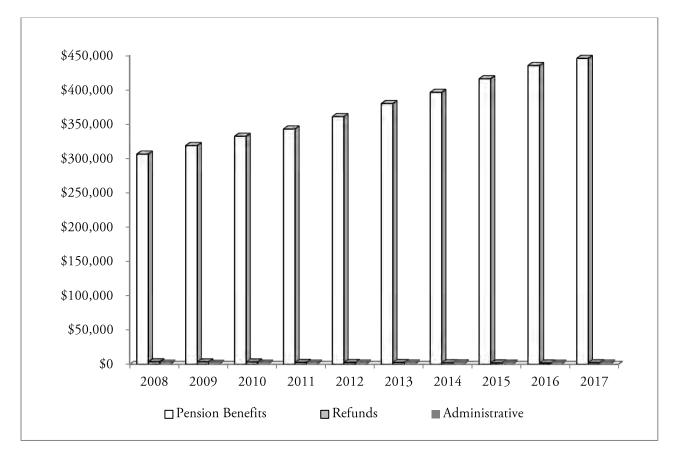
Teachers' Retirement System Defined Contribution Retirement Retiree Medical Plan Additions by Source (In thousands)								
Plan EndedPlan MemberEmployerNet InvestmentJune 30PremiumsContributionsIncome (Loss)Total								
2008	\$	\$ 651	\$5	\$ 656				
2009		992	(226)	766				
2010	—	1,421	165	1,586				
2011		1,154	793	1,947				
2012	—	1,160	107	1,267				
2013	—	1,101	869	1,970				
2014		1,181	1,680	2,861				
2015	_	5,670	477	6,147				
2016	_	6,317	82	6,399				
2017		3,524	3,260	6,784				



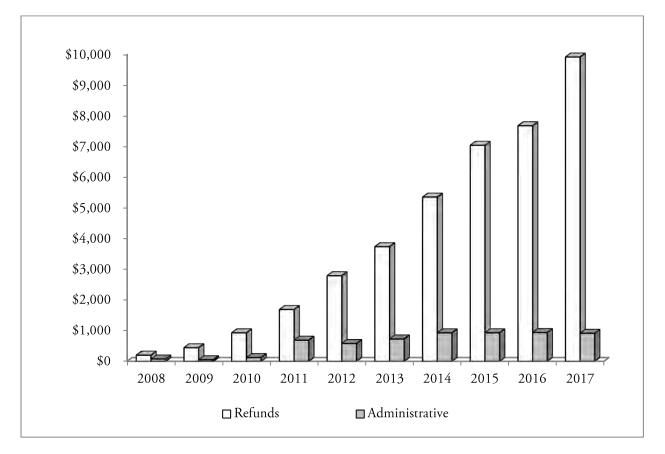
Teachers' Retirement System Defined Contribution Retirement Health Reimbursement Arrangement Additions by Source (In thousands)					
Plan Ended June 30	Employer Contributions	Net Investment Income (Loss)	Total		
2008	\$ 2,127	\$ 75	\$ 2,202		
2009	3,206	(556)	2,650		
2010	4,344	470	4,814		
2011	5,195	2,411	7,606		
2012	6,077	414	6,491		
2013	6,816	3,263	10,079		
2014	7,816	6,846	14,662		
2015	8,420	1,758	10,178		
2016	9,301	31	9,332		
2017	10,026	9,361	19,387		



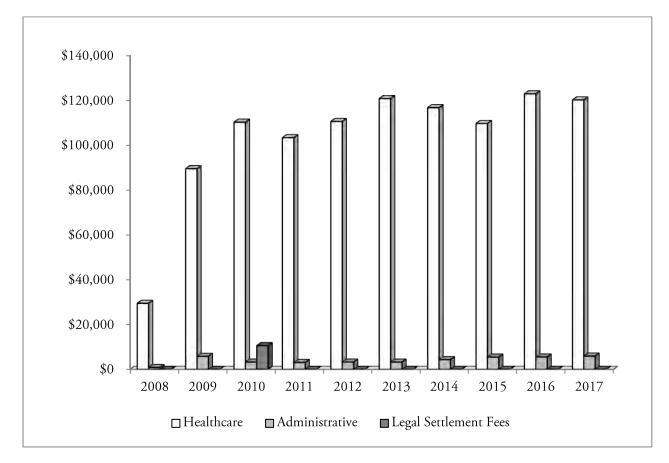
Teachers' Retirement System Defined Benefit Pension Deductions by Type (In thousands)							
Year Ended June 30	Ended Pension Refunds of						
2008	\$ 306,689	\$ 3,761	\$ 2,669	\$1,086,620	\$ 1,399,739		
2009	319,148	3,622	2,537	—	325,307		
2010	332,690	3,472	2,698	—	338,860		
2011	343,191	2,798	2,806	—	348,795		
2012	361,202	2,637	2,847		366,686		
2013	380,265	2,668	2,989		385,922		
2014	396,614	2,387	3,160	_	402,161		
2015	416,354	2,191	2,789		421,334		
2016	435,699	1,883	2,648		440,230		
2017	446,044	2,378	2,890		451,312		



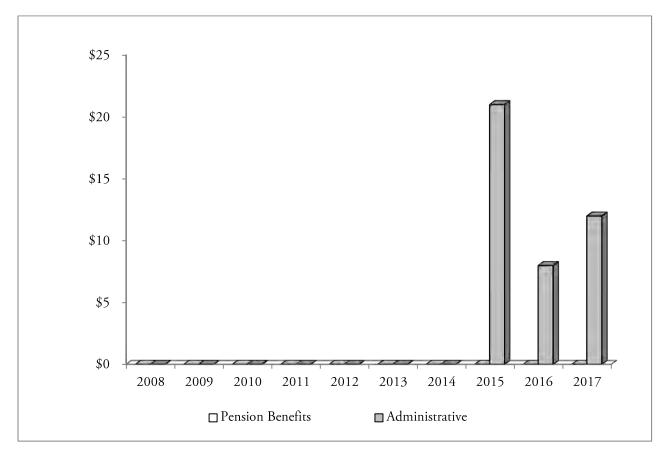
Teachers' Retirement System Defined Contribution Retirement Participant Directed Deductions by Type (In thousands)						
PlanPrior YearEndedRefund ofForfeiture PayableJune 30ContributionsAdministrativeAdjustment						
2008	\$ 202	\$ 76	\$	\$ 278		
2009	445	53	_	498		
2010	930	123	_	1,053		
2011	1,688	689	_	2,377		
2012	2,791	583	_	3,374		
2013	3,737	731	3,247	7,715		
2014	5,352	929		6,281		
2015	7,041	931	_	7,972		
2016	7,677	938	—	8,615		
2017	9,918	915		10,833		



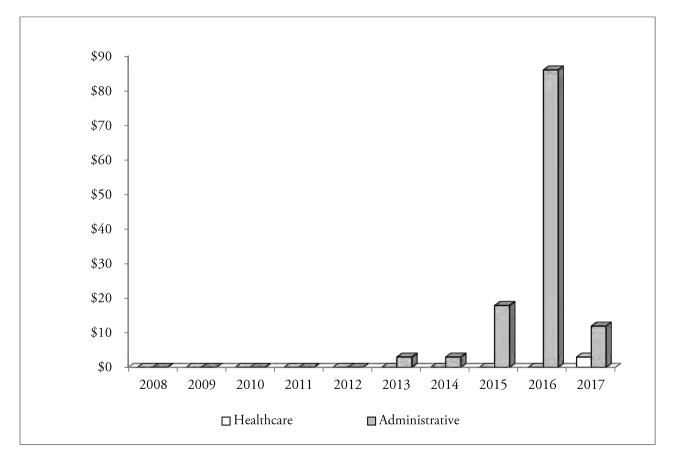
Teachers' Retirement System Defined Benefit Alaska Retiree Healthcare Trust Deductions by Type (In thousands)					
Plan Ended June 30LegalTotal					
2008	\$ 29,494	\$ 798	\$	\$ 30,292	
2009	89,571	5,812	—	95,383	
2010	110,313	3,228	10,592	124,133	
2011	103,405	3,080	_	106,485	
2012	110,632	3,251	_	113,883	
2013	120,855	3,219	_	124,074	
2014	116,781	4,338	_	121,119	
2015	109,740	5,484	_	115,224	
2016	122,954	5,511	_	128,465	
2017	120,237	5,908	—	126,145	



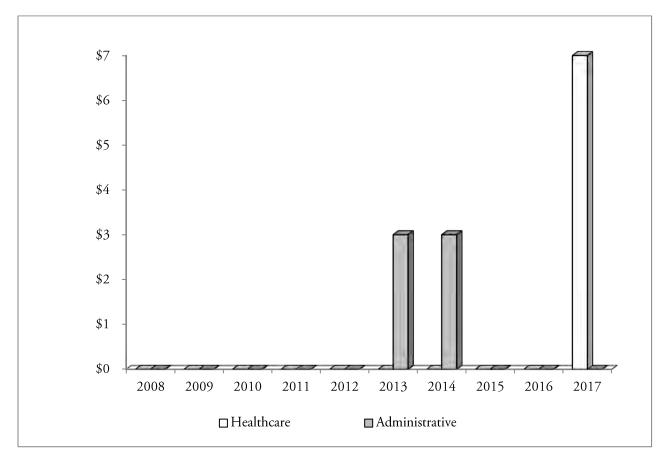
Teachers' Retirement System Defined Contribution Retirement Occupational Death & Disability Deductions by Type (In thousands)							
Plan Ended June 30	Ended Pension						
2008	\$	\$	\$				
2009							
2010							
2011							
2012							
2013							
2014							
2015	— 21 21						
2016		8	8				
2017		12	12				



Teachers' Retirement System Defined Contribution Retirement Medical Plan Deductions by Type (In thousands)						
Plan Ended June 30	Ended					
2008	\$	\$	\$			
2009						
2010						
2011						
2012						
2013		3	3			
2014		3	3			
2015	— 18 18					
2016		86	86			
2017	3	12	15			



Teachers' Retirement System Defined Contribution Retirement Health Reimbursement Arrangement Deductions by Type (In thousands)						
Plan Ended June 30 Healthcare Administrative Total						
2008	\$	\$ —	\$			
2009						
2010						
2011						
2012						
2013		3	3			
2014		3	3			
2015						
2016						
2017	7	—	7			



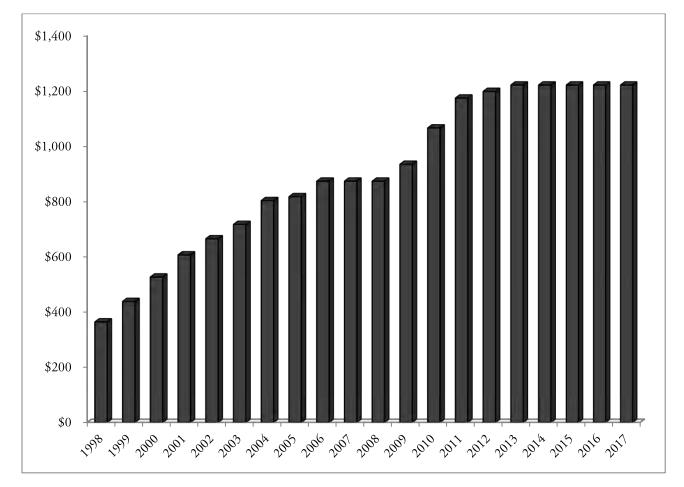
Teachers' Retirement System Schedule of Average Pension Benefit Payments New Benefit Recipients							
			Years o	f Credited	Service		
	0 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30+
Period 7/1/10 - 6/30/11 ⁽¹⁾ : Average Monthly Benefit Number of Recipients	\$146 5	\$902 68	\$1,432 63	\$2,328 77	\$3,131 118	\$4,283 104	\$5,496 67
Period 7/1/11 - 6/30/12 ⁽¹⁾ : Average Monthly Benefit Number of Recipients	\$353 11	\$1,064 43	\$1,512 62	\$2,241 61	\$3,276 118	\$4,320 81	\$5,739 58
Period 7/1/12 - 6/30/13 ⁽¹⁾ : Average Monthly Benefit Number of Recipients	\$253 10	\$1,030 57	\$1,496 67	\$2,450 90	\$3,281 101	\$4,384 79	\$6,052 64
Period 7/1/13 - 6/30/14 ⁽¹⁾ : Average Monthly Benefit Number of Recipients	\$235 8	\$904 31	\$1,435 31	\$2,398 28	\$3,016 22	\$4,073 18	\$7,485 12
Period 7/1/14 - 6/30/15 ⁽¹⁾ : Average Monthly Benefit Number of Recipients	\$349 11	\$1,041 33	\$1,342 70	\$2,205 67	\$3,267 137	\$4,220 125	\$5,900 94
Period 7/1/15 - 6/30/16 ⁽¹⁾ : Average Monthly Benefit Number of Recipients	\$245 11	\$1,002 31	\$1,535 82	\$2,540 69	\$3,445 105	\$4,472 74	\$6,168 54

"Average Monthly Benefit" includes post-retirement pension adjustments and cost-of-living increases.

⁽¹⁾ Does not include beneficiaries

Teachers' Retirement System Schedule of Pension and Healthcare Benefits Deductions by Type (In thousands)								
Year Ended June 30	d d							
2008	\$ 294,807	\$ 1,889	\$ 9,974	\$ 18	\$ 99,583	\$ 406,271		
2009	306,748	1,692	10,688	20	103,093	422,241		
2010	319,109	1,757	11,787	37	117,556	450,246		
2011	329,308	1,337	12,499	47	133,152	476,343		
2012	346,538	1,222	13,398	45	146,309	507,512		
2013	364,387	1,377	14,467	34	160,337	540,602		
2014	379,594	1,231	15,703	86	166,631	563,245		
2015	398,280	1,211	16,781	82	109,740	526,094		
2016	415,963	1,279	18,360	97	122,954	558,653		
2017	425,059	1,306	19,609	70	120,248	566,292		

20-YEAR COMPARISON OF RETIREE MONTHLY COMPOSITE MEDICAL PREMIUMS



Teachers' Retirement System Schedule of Pension Benefit Recipients by Type of Pension Benefit and Option Elected Valuation as of June 30, 2016								
	Number	Туре	of Pension Ben	efit		Optior	n Selected	
Amount of Monthly Pension Benefit	of Recipients	1	2	3	1	2	3	4
\$ 1 - 300	218	154	64	_	132	44	35	7
301 - 600	380	274	106		194	78	88	20
601 - 900	660	528	132		347	140	136	37
901 - 1,200	798	647	151		448	176	141	33
1,201 - 1,500	720	565	155		387	160	149	24
1,501 - 1,800	699	559	140		372	155	145	27
1,801 - 2,100	698	584	114		344	160	168	26
2,101 - 2,400	826	731	95		370	199	231	26
2,401 - 2,700	1,018	939	78	1	460	240	287	31
2,701 - 3,000	1,001	951	48	2	421	237	310	33
3,001 - 3,300	942	900	33	9	397	208	312	25
3,301 - 3,600	867	848	15	4	363	176	306	22
3,601 - 3,900	811	786	18	7	344	165	272	30
3,901 - 4,200	654	646	7	1	288	111	242	13
over \$4,200	2,434	2,415	15	4	933	391	1,037	73
Totals	12,726	11,527	1,171	28	5,800	2,640	3,859	427

Type of Pension Benefit

1 - Regular retirement

2 - Survivor payment

3 - Disability

Option Selected

1 - Whole Life Annuity

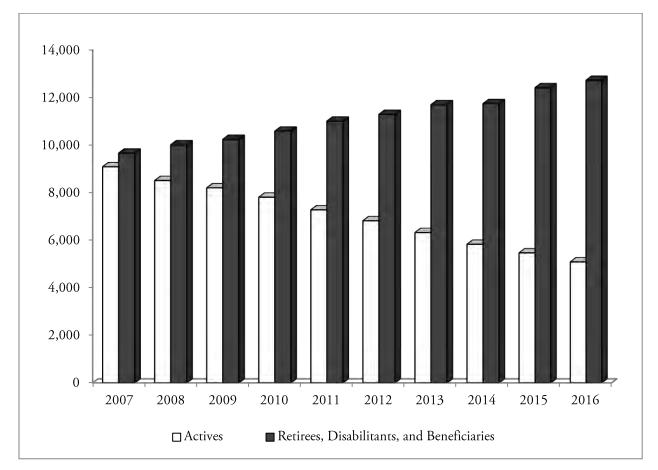
2 - 75% Joint and Contingent Annuity

3 - 50% Joint and Contingent Annuity

4 - 66 2/3% Joint and Survivor Annuity

Teachers' Retirement System System Membership by Status							
Year Ended June 30	Active	Retirees Disabilitants & Beneficiaries	Vested Terminations	Nonvested Terminations w/Balance	Total		
2007	9,107	9,678	846	3,044	22,675		
2008	8,531	10,026	873	2,971	22,401		
2009	8,226	10,255	884	2,830	22,195		
2010	7,832	10,598	840	2,789	22,059		
2011	7,303	11,016	852	2,675	21,846		
2012	6,845	11,301	868	2,559	21,573		
2013	6,352	11,705	906	2,448	21,411		
2014	5,861	11,750	1,274	2,328	21,213		
2015	5,502	12,418	890	2,218	21,028		
2016	5,123	12,726	875	2,103	20,827		

10-YEAR COMPARISON OF ACTIVE MEMBERS AND RETIREES, DISABILITANTS, AND BENEFICIARIES



Teachers' Retirement System Principal Participating Employers June 30, 2017					
Employer Members Rank Mem					
Anchorage School District	4,929	1	32.13%		
Matanuska-Susitna Borough School District	1,624	2	10.58		
Fairbanks North Star Borough School District Total	<u>1,329</u> <u>7,882</u>	3	<u> 8.66</u> <u> 51.37</u> %		

Teachers' Retirement System Participating Employers June 30, 2017

Alaska Department of Education Alaska Gateway School District Aleutian Region School District Aleutians East Borough School District Anchorage School District Annette Island School District

Bering Strait School District Bristol Bay Borough School District

Chatham School District Chugach School District Copper River School District Cordova City School District Craig City School District

Delta-Greely School District Denali Borough School District Dillingham City School District

Fairbanks North Star Borough School District

Galena City School District

Haines Borough School District Hoonah City School District Hydaburg City School District

Iditarod Area School District

Juneau School District, City and Borough of

Kake City School District Kashunamiut School District Kenai Peninsula Borough School District Ketchikan Gateway Borough School District Klawock City School District Kodiak Island Borough School District Kuspuk School District

Lake and Peninsula Borough School District Lower Kuskokwim School District Lower Yukon School District

Matanuska-Susitna Borough School District

Nenana City School District Nome City School District North Slope Borough School District Northwest Arctic Borough School District

Pelican City School District Petersburg City School District Pribilof School District

Saint Mary's School District Sitka Borough School District Skagway City School District Southeast Island School District Southeast Regional Resource Center Southwest Region School District Special Education Service Agency

Tanana School District

Unalaska City School District University of Alaska

Valdez City School District

Wrangell Public School District

Yakutat School District Yukon Flats School District Yukon-Koyukuk School District Yupiit School District

