ALASKA RETIREMENT MANAGEMENT BOARD FINANCIAL REPORT

As of October 31, 2018

ALASKA RETIREMENT MANAGEMENT BOARD Schedule of Investment Income and Changes in Invested Assets by Fund Fiscal Year-to-Date through October 31, 2018

	Beginning Invested Assets	Investment Income ⁽¹⁾	Net Contributions (Withdrawals)	Ending Invested Assets	% Change in Invested Assets	% Change due to Investment Income ⁽²⁾	
Public Employees' Retirement System (PERS)			,				
Defined Benefit Plans:							
Retirement Trust \$	9,279,978,252 \$	(101,993,186) \$	(28,996,481) \$	9,148,988,585	-1.41%	-1.10%	
Retirement Health Care Trust	7,653,992,293	(82,448,689)	(101,517,092)	7,470,026,512	-2.40%	-1.08%	
Total Defined Benefit Plans	16,933,970,545	(184,441,875)	(130,513,573)	16,619,015,097	-1.86%	-1.09%	
Defined Contribution Plans:							
Participant Directed Retirement	1,041,422,342	(25,444,904)	28,965,812	1,044,943,250	0.34%	-2.41%	
Health Reimbursement Arrangement	356,026,985	(4,248,417)	12,812,130	364,590,698	2.41%	-1.17%	
Retiree Medical Plan	99,169,627	(1,187,592)	3,679,888	101,661,923	2.51%	-1.18%	
Defined Benefit Occupational Death and Disability:							
Public Employees	20,872,152	(249,468)	751,340	21,374,024	2.40%	-1.17%	
Police and Firefighters	9,776,610	(115,944)	301,585	9,962,251	1.90%	-1.17%	
Total Defined Contribution Plans	1,527,267,716	(31,246,325)	46,510,755	1,542,532,146	1.00%	-2.02%	
Total PERS	18,461,238,261	(215,688,200)	(84,002,818)	18,161,547,243	-1.62%	-1.17%	
Teachers' Retirement System (TRS)							
Defined Benefit Plans:							
Retirement Trust	5,466,056,988	(59,767,909)	(14,513,402)	5,391,775,677	-1.36%	-1.09%	
Retirement Health Care Trust	2,883,838,182	(30,983,598)	(39,734,628)	2,813,119,956	-2.45%	-1.08%	
Total Defined Benefit Plans	8,349,895,170	(90,751,507)	(54,248,030)	8,204,895,633	-1.74%	-1.09%	
Defined Contribution Plans:							
Participant Directed Retirement	442,323,051	(10,712,091)	5,872,086	437,483,046	-1.09%	-2.41%	
Health Reimbursement Arrangement	105,665,716	(1,213,478)	2,512,635	106,964,873	1.23%	-1.13%	
Retiree Medical Plan	36,357,065	(414,461)	681,519	36,624,123	0.73%	-1.13%	
Defined Benefit Occupational Death and Disability	3,797,783	(42,385)	32,348	3,787,746	-0.26%	-1.11%	
Total Defined Contribution Plans	588,143,615	(12,382,415)	9,098,588	584,859,788	-0.56%	-2.09%	
Total TRS	8,938,038,785	(103,133,922)	(45,149,442)	8,789,755,421	-1.66%	-1.16%	
<u>Judicial Retirement System (JRS)</u>							
Defined Benefit Plan Retirement Trust	176,358,294	(2,004,328)	2,711,864	177,065,830	0.40%	-1.13%	
Defined Benefit Retirement Health Care Trust	31,621,813	(348,946)	(61,656)	31,211,211	-1.30%	-1.10%	
Total JRS	207,980,107	(2,353,274)	2,650,208	208,277,041	0.14%	-1.12%	
National Guard/Naval Militia Retirement System (MRS)							
Defined Benefit Plan Retirement Trust	39,449,053	(731,056)	288,013	39,006,010	-1.12%	-1.85%	
Other Participant Directed Plans							
Supplemental Annuity Plan	3,905,659,481	(50,527,830)	(12,339,237)	3,842,792,414	-1.61%	-1.30%	
Deferred Compensation Plan	938,806,799	(10,908,453)	(6,213,322)	921,685,024	-1.82%	-1.17%	
Total All Funds	32,491,172,486	(383,342,735)	(144,766,598)	31,963,063,153			
Total Non-Participant Directed	26,162,960,813	(285,749,457)	(161,051,937)	25,716,159,419	-1.71%	-1.10%	
Total Participant Directed	6,328,211,673	(97,593,278)	16,285,339	6,246,903,734	-1.28%	-1.54%	
Total All Funds \$	32,491,172,486 \$		(144,766,598) \$	31,963,063,153	-1.63%	-1.18%	
Notes:	, <u>,</u>		() - · · · · · · · · · · · · · · · · · ·	, -,			

(1) Includes interest, dividends, securities lending, expenses, realized and unrealized gains/losses

(2) Income divided by beginning assets plus half of net contributions/(withdrawals). Actual returns are calculated by Callan and Associates and can be found at: <u>http://www.revenue.state.ak.us/treasury/programs/other/armb/investmentresults.aspx</u>

ALASKA RETIREMENT MANAGEMENT BOARD Schedule of Investment Income and Changes in Invested Assets by Fund For the Month Ended October 31, 2018

	Beginning Invested Assets	Investment Income (1)	Net Contributions (Withdrawals)	Ending Invested Assets	% Change in Invested Assets	% Change due to Investment Income ⁽²⁾	
Public Employees' Retirement System (PERS)							
Defined Benefit Plans:							
Retirement Trust\$	9,574,747,238 \$	(384,458,893) \$	(41,299,760) \$	9,148,988,585	-4.45%	-4.02%	
Retirement Health Care Trust	7,802,431,830	(312,629,206)	(19,776,112)	7,470,026,512	-4.26%	-4.01%	
Total Defined Benefit Plans	17,377,179,068	(697,088,099)	(61,075,872)	16,619,015,097	-4.36%	-4.02%	
Defined Contribution Plans:							
Participant Directed Retirement	1,103,202,792	(66,085,706)	7,826,164	1,044,943,250	-5.28%	-5.97%	
Health Reimbursement Arrangement	376,133,104	(15,076,268)	3,533,862	364,590,698	-3.07%	-3.99%	
Retiree Medical Plan	104,902,144	(4,205,128)	964,907	101,661,923	-3.09%	-3.99%	
Defined Benefit Occupational Death and Disability:							
Public Employees	22,034,109	(883,791)	223,706	21,374,024	-3.00%	-3.99%	
Police and Firefighters	10,296,000	(412,826)	79,077	9,962,251	-3.24%	-3.99%	
Total Defined Contribution Plans	1,616,568,149	(86,663,719)	12,627,716	1,542,532,146	-4.58%	-5.34%	
Total PERS	18,993,747,217	(783,751,818)	(48,448,156)	18,161,547,243	-4.38%	-4.13%	
<u>Teachers' Retirement System (TRS)</u> Defined Benefit Plans:							
Retirement Trust	5,651,685,555	(226,814,964)	(33,094,914)	5,391,775,677	-4.60%	-4.03%	
Retirement Health Care Trust	2,938,017,527	(117,700,255)	(7,197,316)	2,813,119,956	-4.25%	-4.01%	
Total Defined Benefit Plans	8,589,703,082	(344,515,219)	(40,292,230)	8,204,895,633	-4.48%	-4.02%	
Defined Contribution Plans:							
Participant Directed Retirement	461,219,063	(28,186,852)	4,450,835	437,483,046	-5.15%	-6.08%	
Health Reimbursement Arrangement	110,277,544	(4,417,075)	1,104,404	106,964,873	-3.00%	-3.99%	
Retiree Medical Plan	37,855,962	(1,516,117)	284,278	36,624,123	-3.25%	-3.99%	
Defined Benefit Occupational Death and Disability	3,917,602	(156,942)	27,086	3,787,746	-3.31%	-3.99%	
Total Defined Contribution Plans	613,270,171	(34,276,986)	5,866,603	584,859,788	-4.63%	-5.56%	
Total TRS	9,202,973,253	(378,792,205)	(34,425,627)	8,789,755,421	-4.49%	-4.12%	
Judicial Retirement System (JRS)							
Defined Benefit Plan Retirement Trust	184,883,880	(7,422,523)	(395,527)	177,065,830	-4.23%	-4.02%	
Defined Benefit Retirement Health Care Trust	32,504,722	(1,302,296)	8,785	31,211,211	-3.98%	-4.01%	
Total JRS	217,388,602	(8,724,819)	(386,742)	208,277,041	-4.19%	-4.02%	
National Guard/Naval Militia Retirement System (MRS)							
Defined Benefit Plan Retirement Trust	40,771,449	(1,583,076)	(182,363)	39,006,010	-4.33%	-3.89%	
Other Participant Directed Plans							
Supplemental Annuity Plan	4,014,083,280	(171,828,002)	537,136	3,842,792,414	-4.27%	-4.28%	
Deferred Compensation Plan	969,841,280	(46,213,672)	(1,942,584)	921,685,024	-4.97%	-4.77%	
Total All Funds	33,438,805,081	(1,390,893,592)	(84,848,336)	31,963,063,153			
Total Non-Participant Directed	26,890,458,666	(1,078,579,360)	(95,719,887)	25,716,159,419	-4.37%	-4.02%	
Total Participant Directed	6,548,346,415	(312,314,232)	10,871,551	6,246,903,734	-4.60%	-4.77%	
Total All Funds \$	33,438,805,081 \$	(1,390,893,592) \$	(84,848,336) \$	31,963,063,153	-4.41%	-4.16%	

Notes:

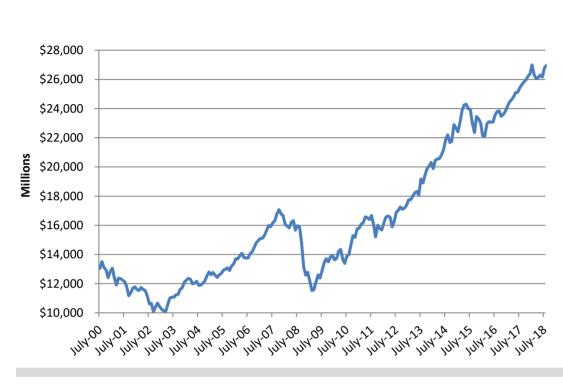
(1) Includes interest, dividends, securities lending, expenses, realized and unrealized gains/losses

(2) Income divided by beginning assets plus half of net contributions/(withdrawals). Actual returns are calculated by Callan and Associates and can be found at: <u>http://www.revenue.state.ak.us/treasury/programs/other/armb/investmentresults.aspx</u>

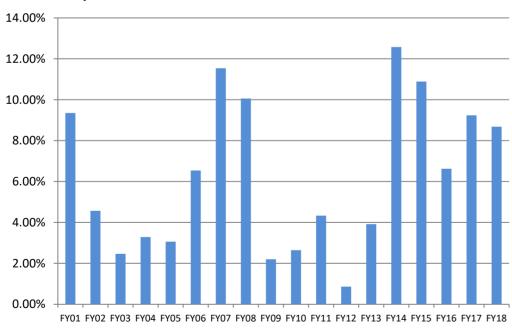
Total Non Participant Directed Assets As of October 31, 2018

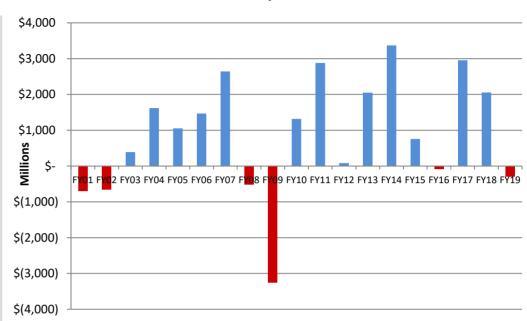
Total Assets History

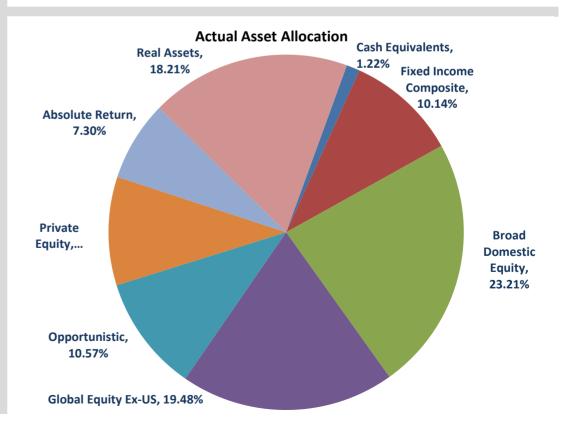
Income by Fiscal Year





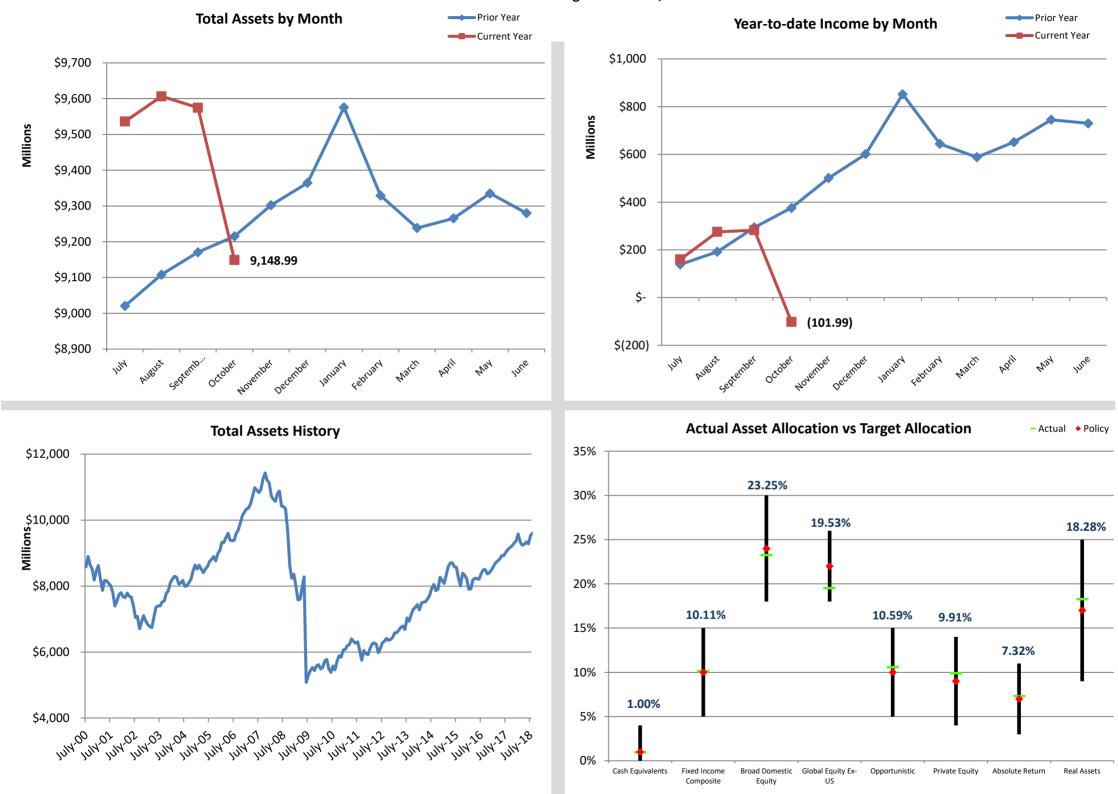






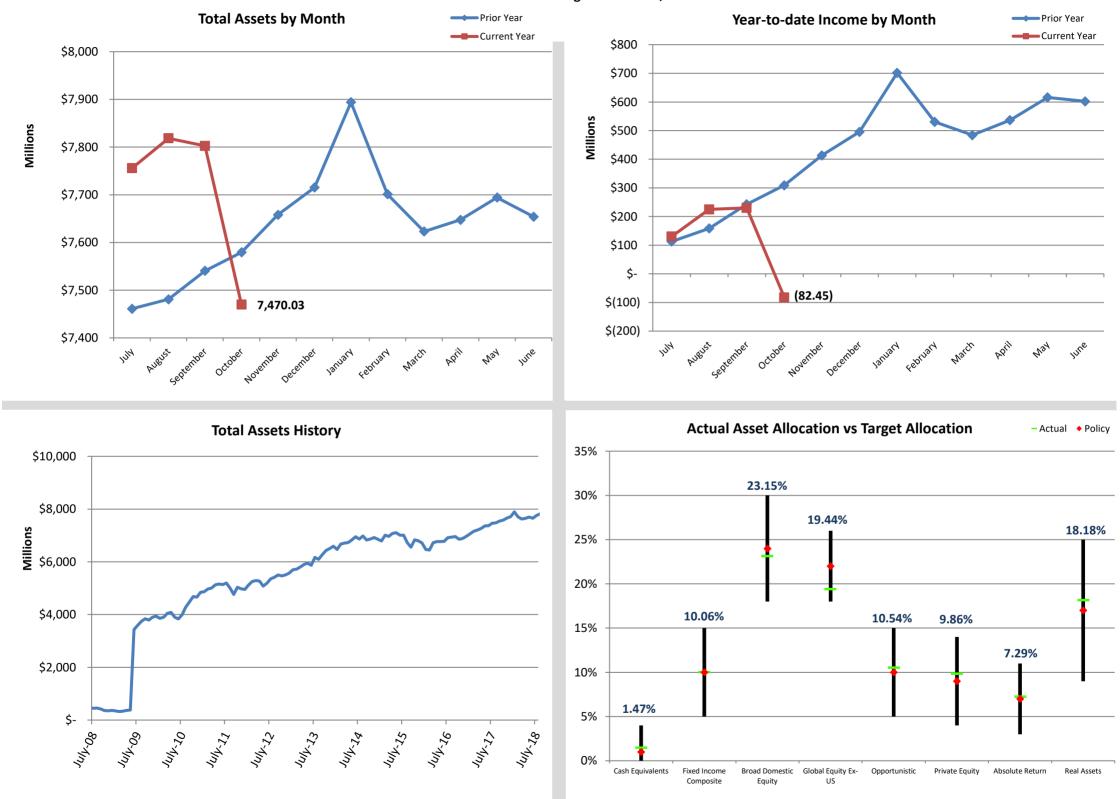
Public Employees' Retirement Pension Trust Fund

Fiscal Year-to-Date through October 31, 2018



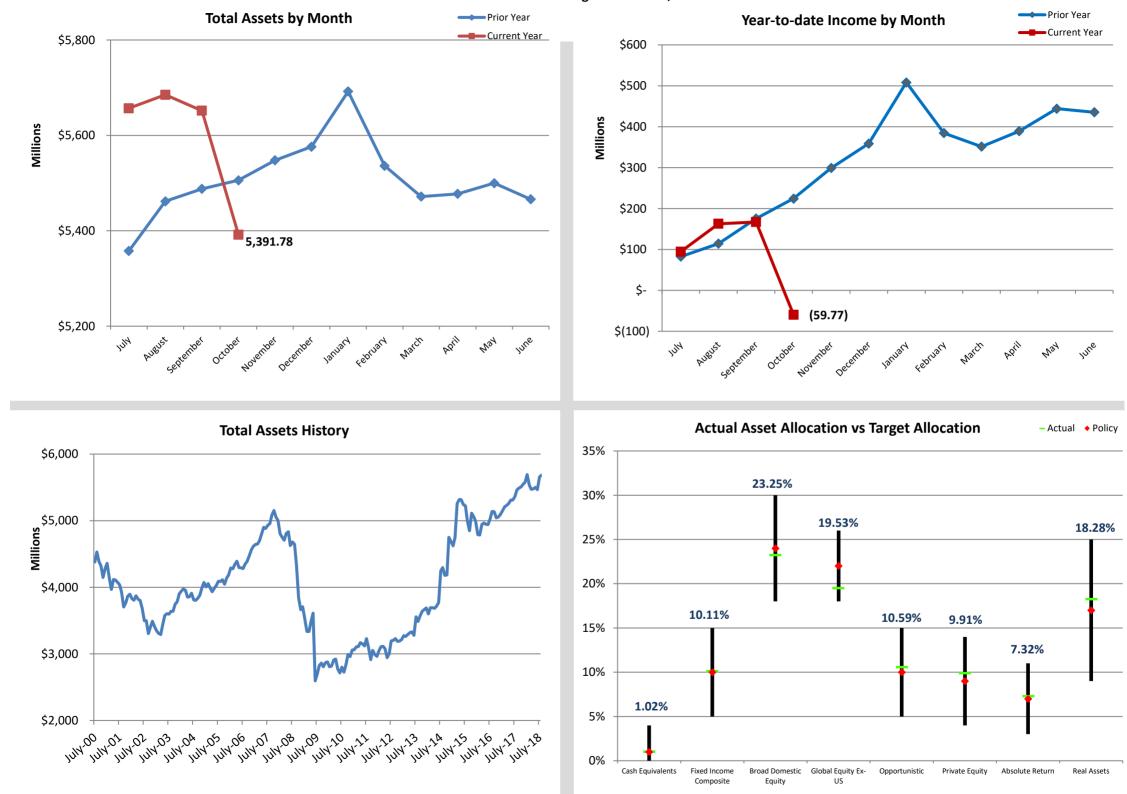
Public Employees' Retirement Health Care Trust Fund

Fiscal Year-to-Date through October 31, 2018



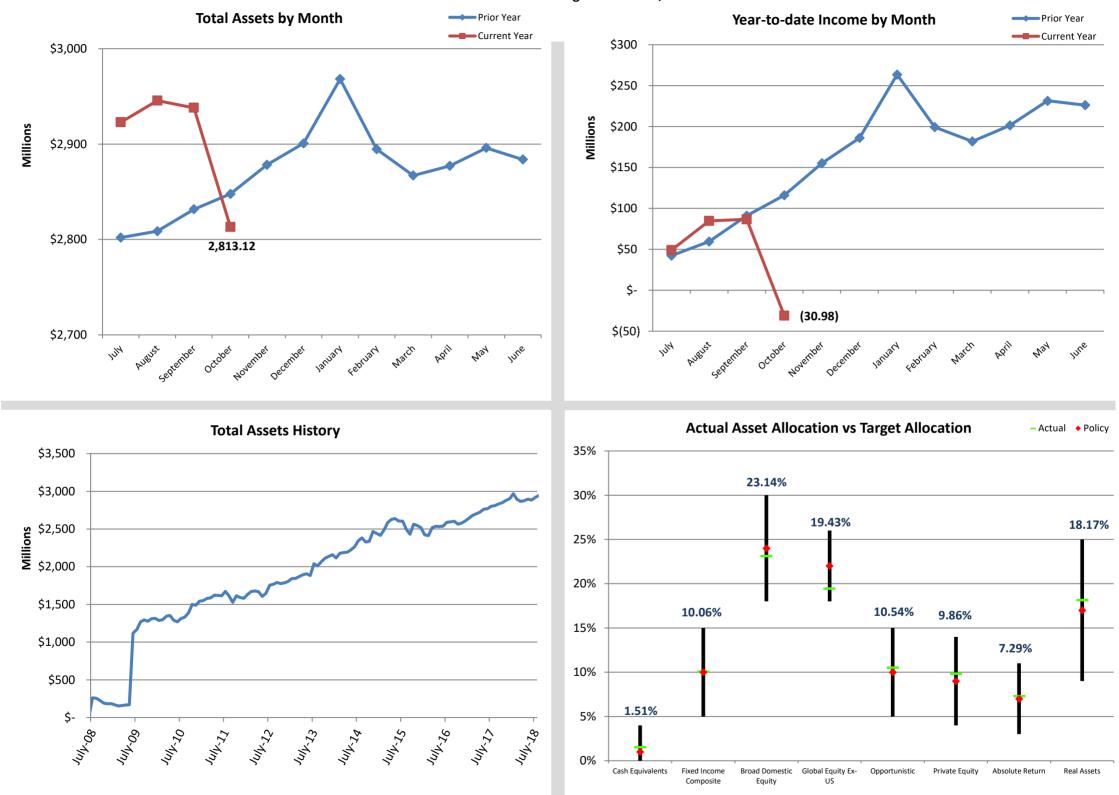
Teachers' Retirement Pension Trust Fund

Fiscal Year-to-Date through October 31, 2018



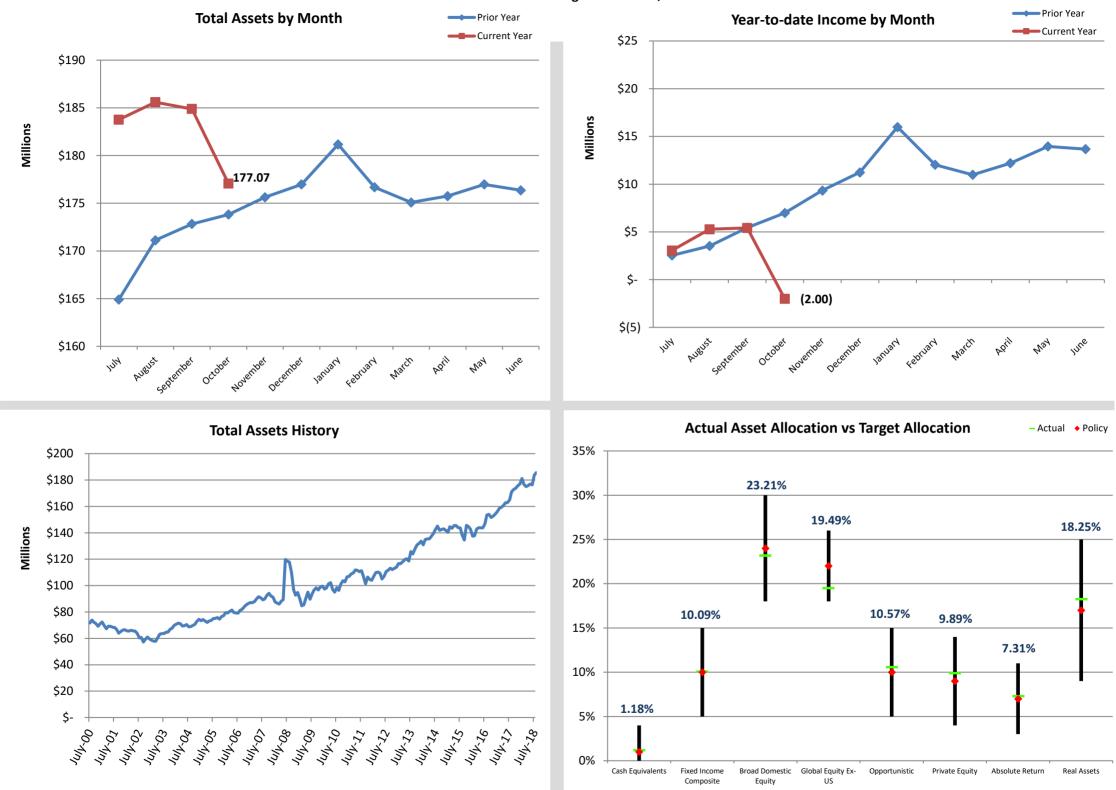
Teachers' Retirement Health Care Trust Fund

Fiscal Year-to-Date through October 31, 2018



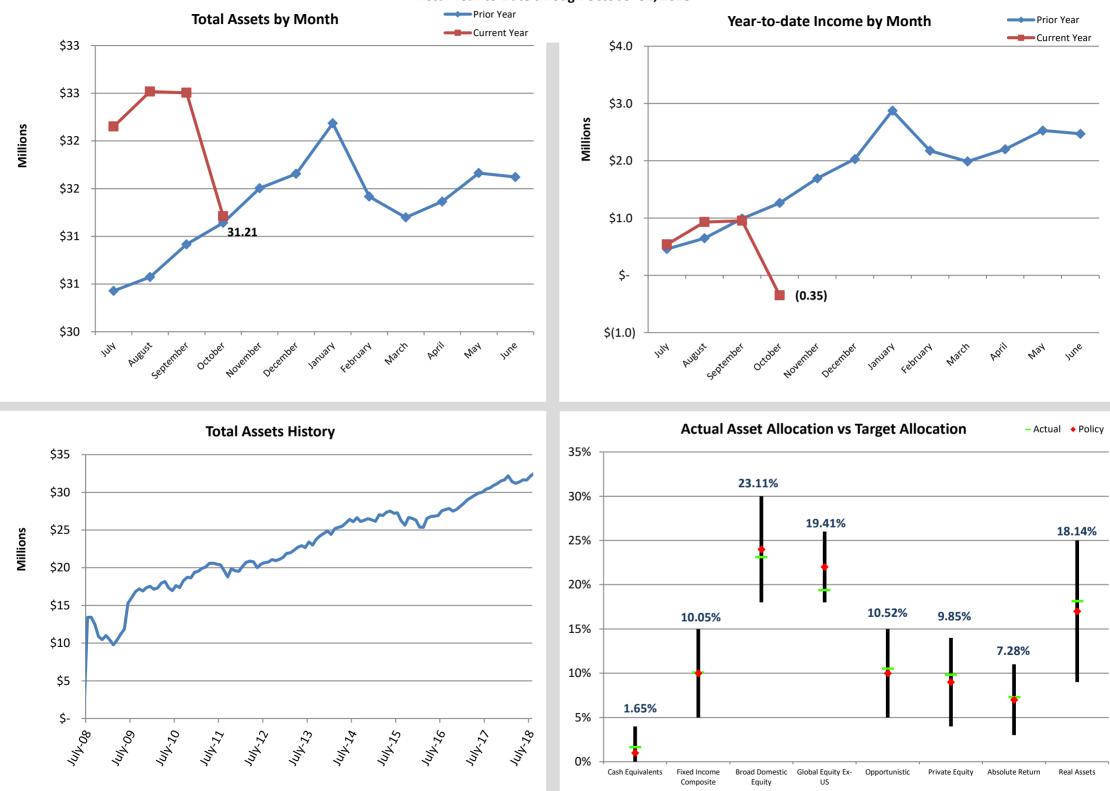
Judicial Retirement Pension Trust Fund

Fiscal Year-to-Date through October 31, 2018

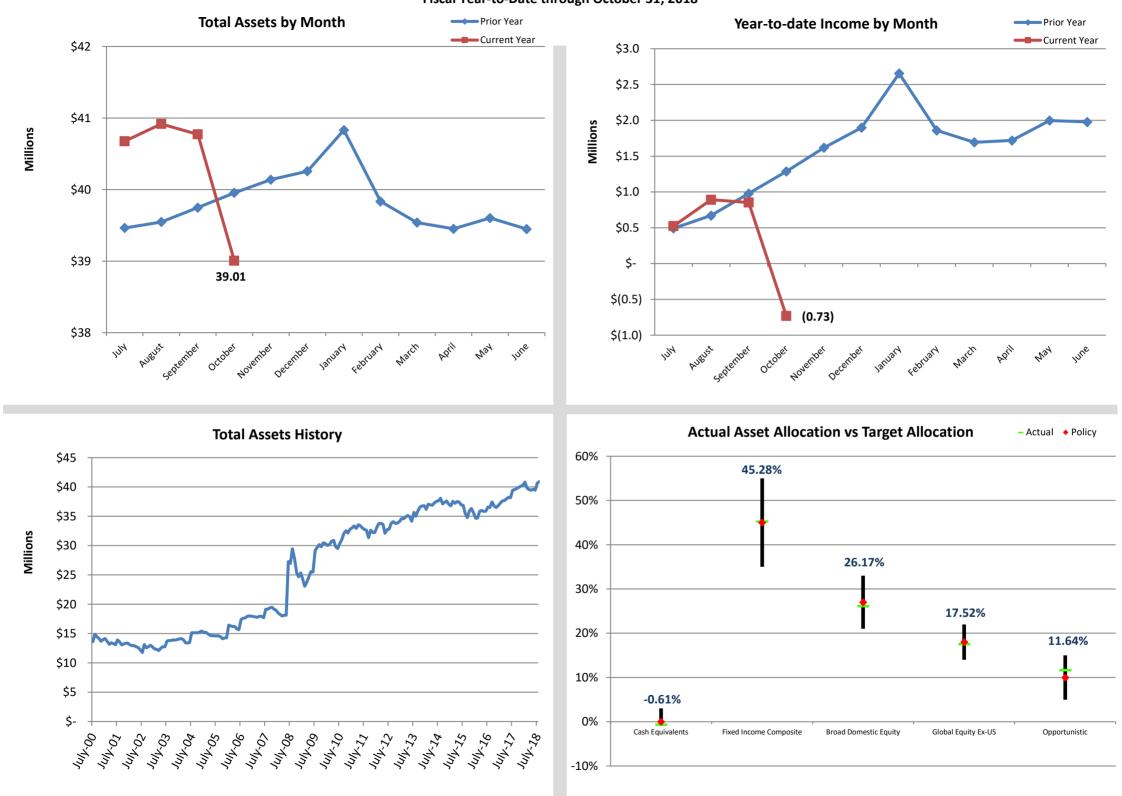


Judicial Retirement Health Care Trust Fund

Fiscal Year-to-Date through October 31, 2018



Military Retirement Trust Fund Fiscal Year-to-Date through October 31, 2018



ALASKA RETIREMENT MANAGEMENT BOARD

Reporting of Funds by Manager

All Non-Participant Directed Plans

	Beginning Invested Assets	Investment Income	Net Contributions and (Withdrawals)	Ending Invested Assets	% increase (decrease)	% Change due to Investment Income
Cash						
Short-Term Fixed Income Pool	\$ 350,652,276	\$ 821,630	\$ (37,025,352)	\$ 314,448,554	-10.32%	0.25%
Securities Lending Income Pool	119,867	181,004	(125,393)	175,478	46.39%	316.60%
Total Cash	350,772,143	1,002,634	(37,150,745)	314,624,032	-10.31%	0.30%
Fixed Income						
ARMB US Treasury Fixed Income	2,686,959,981	593,357	(80,100,000)	2,607,453,338	-2.96%	0.02%
Domestic Equities						
Small Cap						
Passively Managed						
ARMB S&P 600	170,047,534	(17,767,828)	-	152,279,706	-10.45%	-10.45%
SSgA Russell 2000 Growth	17,668	568	-	18,236	3.21%	3.21%
SSgA Russell 2000 Value	180,313	3,194	(153,113)	30,394	-83.14%	3.08%
Total Passive	170,245,515	(17,764,066)	(153,113)	152,328,336	-10.52%	-10.44%
Actively Managed						
ARMB Futures Small Cap	2,416,847	(1,461,284)	611	956,174	-60.44%	-60.45%
Arrowmark	57,629,034	(5,538,741)	114,097	52,204,390	-9.41%	-9.60%
BMO Global Asset Management	56,028,703	(7,192,322)	-	48,836,381	-12.84%	-12.84%
DePrince, Race & Zollo Inc Micro Cap	125,305,485	(11,419,567)	(29,681,021)	84,204,897	-32.80%	-10.34%
Fidelity (FIAM) Small Company	(9,019)	(462)	462	(9,019)	-	5.26%
Frontier Capital Mgmt. Co.	105,764,726	(11,705,593)	228,018	94,287,151	-10.85%	-11.06%
Jennison Associates, LLC	76,035,901	(8,631,089)	139,456	67,544,268	-11.17%	-11.34%
Lord Abbett & Co Micro Cap	130,688,824	(22,576,206)	(30,000,000)	78,112,618	-40.23%	-19.51%
T. Rowe Small Cap Growth	50,658,578	(5,383,412)	-	45,275,166	-10.63%	-10.63%
Transition Account	(1,520)	-	-	(1,520)	-	-
Victory Capital Management	128,405,375	(11,003,223)	-	117,402,152	-8.57%	-8.57%
Zebra Capital Management	115,643,573	(9,850,771)	(19,831,036)	85,961,766	-25.67%	-9.32%
Total Active	848,566,507	(94,762,670)	(79,029,413)	674,774,424	-20.48%	-11.71%
Total Small Cap	1,018,812,022	(112,526,736)	(79,182,526)	827,102,760	-18.82%	-11.49%

. 8 · · I						
Passively Managed						
ARMB Russell 1000 Growth	1,701,191,081	(152,054,334)	-	1,549,136,747	-8.94%	-8.94%
ARMB Russell 1000 Value	1,424,155,097	(73,555,187)	153,113	1,350,753,023	-5.15%	-5.16%
ARMB Russell Top 200	416,970,218	(27,494,676)		389,475,542	-6.59%	-6.59%
Total Passive	3,542,316,396	(253,104,197)	153,113	3,289,365,312	-7.14%	-7.15%
Actively Managed						
Allianz Global Investors	5,635	5	-	5,640	0.09%	0.09%
ARMB Equity Yield	388,166,031	(22,563,027)	10,815	365,613,819	-5.81%	-5.81%
ARMB Futures Large Cap	4,380,208	(1,063,607)	883	3,317,484	-24.26%	-24.28%
ARMB Portable Alpha	461,700,290	(32,758,465)	604,411	429,546,236	-6.96%	-7.09%
ARMB S&P 500 Equal Weight	385,680,060	(27,728,822)	-	357,951,238	-7.19%	-7.19%
ARMB Scientific Beta	391,972,559	(25,266,566)	56,453	366,762,446	-6.43%	-6.45%
Barrow, Hanley, Mewhinney & Strauss	13,679	4,340	-	18,019	31.73%	31.73%
Lazard Freres	354,893,484	(26,302,956)	199,455	328,789,983	-7.36%	-7.41%
McKinley Capital Mgmt	-	45	-	45	-	-
Transition Account	2	-	-	2	-	-
Total Active	1,986,811,948	(135,679,053)	872,017	1,852,004,912	-6.79%	-6.83%
Total Large Cap	5,529,128,344	(388,783,250)	1,025,130	5,141,370,224	-7.01%	-7.03%
Total Domestic Equity	6,547,940,366	(501,309,986)	(78,157,396)	5,968,472,984	-8.85%	-7.70%
Global Equities Ex US						
Small Cap						
Mondrian Investment Partners	192,822,501	(19,613,204)	344,358	173,553,655	-9.99%	-10.16%
Schroder Investment Management	209,370,779	(26,217,636)	-	183,153,143	-12.52%	-12.52%
Total Small Cap	402,193,280	(45,830,840)	344,358	356,706,798	-11.31%	-11.39%
Large Cap						
Allianz Global Investors	1,042,069	(2,025)	-	1,040,044	-0.19%	-0.19%
Arrow Street Capital	390,430,822	(31,621,781)	-	358,809,041	-8.10%	-8.10%
Baillie Gifford Overseas Limited	379,606,963	(44,347,298)	-	335,259,665	-11.68%	-11.68%
Blackrock ACWI Ex-US IMI	621,491,473	(53,198,426)	(80,000,000)	488,293,047	-21.43%	-9.15%
Brandes Investment Partners	812,245,861	(45,758,938)	666,119	767,153,042	-5.55%	-5.63%
Cap Guardian Trust Co	573,479,575	(51,909,926)	-	521,569,649	-9.05%	-9.05%
Lazard Freres	330,736,226	(23,456,945)	101,451	307,380,732	-7.06%	-7.09%
McKinley Capital Management	360,536,845	(33,920,869)	446,434	327,062,410	-9.28%	-9.40%
State Street Global Advisors	1,001,518,221	(83,155,024)	460,630	918,823,827	-8.26%	-8.30%
Total Large Cap	4,471,088,055	(367,371,232)	(78,325,366)	4,025,391,457	-9.97%	-8.29%

Emerging Markets Equity						
DePrince, Race, and Zollo Emerging Markets	282,416,819	(25,527,934)	-	256,888,885	-9.04%	-9.04%
Lazard Asset Management	392,044,603	(20,395,384)	-	371,649,219	-5.20%	-5.20%
Total Emerging Markets	674,461,422	(45,923,318)	-	628,538,104	-6.81%	-6.81%
Total Global Equities	5,547,742,757	(459,125,390)	(77,981,008)	5,010,636,359	-9.68%	-8.33%
Opportunistic						
Alternative Equity Strategy						
Analytic Buy Write Account	759,864,127	(40,959,317)	405,654	719,310,464	-5.34%	-5.39%
ARMB STOXX Min Var	639,958,123	(22,366,063)	-	617,592,060	-3.49%	-3.49%
Quantitative Management Associates MPS	(675,211)	(1,161,479)	-	(1,836,690)	-172.02%	-172.02%
Total Alternative Equity Strategy	1,399,147,039	(64,486,859)	405,654	1,335,065,834	-4.58%	-4.61%
Opportunistic Fixed Income						
Fidelity Inst. Asset Mgmt. High Yield CMBS	104,091,375	(254,114)	-	103,837,261	-0.24%	-0.24%
Fidelity Institutional Asset Management.	204,952,456	(2,528,120)	-	202,424,336	-1.23%	-1.23%
Lazard Emerging Income	86,476,699	(336,296)	(20,000,000)	66,140,403	-23.52%	-0.44%
MacKay Shields, LLC	160,087,146	(1,160,689)	(53,200,000)	105,726,457	-33.96%	-0.87%
Mondrian Investment Partners	96,467,816	(1,257,392)	105,104	95,315,528	-1.19%	-1.30%
Western Asset Management	56,477,990	(764,338)		55,713,652	-1.35%	-1.35%
Total Opportunistic Fixed Income	708,553,482	(6,300,949)	(73,094,896)	629,157,637	-11.21%	-0.94%
Other Opportunities						
Project Pearl	10,049,468	-	-	10,049,468	_	-
Schroders Insurance Linked Securities	341,877,874	1,461,514	-	343,339,388	0.43%	0.43%
Total Other Opportunities	351,927,342	1,461,514		353,388,856	0.42%	0.42%
Tactical Allocation Strategies						
Columbia Threadneedle	4,095	(3,510)	-	585	-85.71%	-85.71%
Eaton Vance High Yield	44,725	(21,321)	-	23,404	-47.67%	-47.67%
Fidelity Signals	-		200,000,000	200,000,000	100.00%	_
PineBridge	-	-	200,000,000	200,000,000	100.00%	-
Total Tactical Allocation Strategies	48,820	(24,831)	400,000,000	400,023,989	819285.48%	-0.01%
Total Opportunistic	2,459,676,683	(69,351,125)	327,310,758	2,717,636,316	10.49%	-2.64%
- FT	, _ , _ , _ , _ ,	<pre></pre>		,,		

			-			
Private Equity						
Abbott Capital	979,944,695	2,470,630	(11,259,400)	971,155,925	-0.90%	0.25%
Advent International GPE Fund VIII-B	17,473,014	-	-	17,473,014	-	-
Angelo, Gordon & Co.	64,699	-	-	64,699	-	-
Dyal Capital Partners III	24,328,645	413,957	(861,395)	23,881,207	-1.84%	1.73%
Glendon Opportunities	37,800,497	-	-	37,800,497	-	-
Glendon Opportunities II	-	-	-	-	-	-
KKR Lending Partners II	55,035,785	658,211	-	55,693,996	1.20%	1.20%
Lexington Capital Partners VIII	31,216,712	-	(922,697)	30,294,015	-2.96%	-
Lexington Partners VII	22,887,852	-	(505,257)	22,382,595	-2.21%	-
Merit Capital Partners	14,166,259	-	(489,587)	13,676,672	-3.46%	-
NB SOF III	30,035,517	-	-	30,035,517	-	-
NB SOF IV	6,271,594	-	729,745	7,001,339	11.64%	-
New Mountain Partners IV	23,528,357	-	-	23,528,357	-	-
New Mountain Partners V	12,514,884	-	-	12,514,884	-	-
NGP XI	52,051,628	-	-	52,051,628	-	-
Onex Partnership III	13,812,348	-	-	13,812,348	-	-
Pathway Capital Management LLC	1,111,166,946	(7,461,408)	(3,319,462)	1,100,386,076	-0.97%	-0.67%
Resolute Fund III	19,642,781	-	(2,946)	19,639,835	-0.01%	-
Summit Partners GE IX	18,093,544	-	-	18,093,544	-	-
Warburg Pincus X	14,220,090	-	-	14,220,090	-	-
Warburg Pincus XI	28,394,311	-	-	28,394,311	-	-
Warburg Pincus XII	46,417,040	-	-	46,417,040	-	-
Total Private Equity	2,559,067,198	(3,918,610)	(16,630,999)	2,538,517,589	-0.80%	-0.15%

	FOI THE MOUTH E	nucu October 31, 2010)			
Absolute Return						
Allianz Global Investors	349,308,843	5,120,418	-	354,429,261	1.47%	1.47%
Crestline Investors, Inc.	462,733,482	7,461,495	(9,289,874)	460,905,103	-0.40%	1.63%
Crestline Specialty Fund	37,440,945	-	(953,158)	36,487,787	-2.55%	-
Crestline Specialty Lending Fund II	14,387,413	-	-	14,387,413	-	-
JPM Systemic Alpha	177,224,364	(1,106,116)	-	176,118,248	-0.62%	-0.62%
KKR Apex Equity Fund	80,753,933	239,909	-	80,993,842	0.30%	0.30%
Man Group Alternative Risk Premia	212,209,487	1,605,294	-	213,814,781	0.76%	0.76%
Prisma Capital Partners	429,290,277	(1,160,939)	-	428,129,338	-0.27%	-0.27%
Zebra Global Equity Advantage Fund	37,691,745	(1,126,371)	-	36,565,374	-2.99%	-2.99%
Zebra Global Equity Fund	76,124,348	(1,265,530)		74,858,818	-1.66%	-1.66%
Total Absolute Return Investments	1,877,164,837	9,768,160	(10,243,032)	1,876,689,965	-0.03%	0.52%
Real Assets						
Farmland						
Hancock Agricultural Investment Group	267,290,263	-	250,000	267,540,263	0.09%	-
UBS Agrivest, LLC	580,502,027	-	-	580,502,027	-	-
Total Farmland	847,792,290		250,000	848,042,290	0.03%	-
Timber						
Hancock Natural Resource Group	96,533,654	-	-	96,533,654	-	-
Timberland Invt Resource LLC	263,618,531	-	(1,000,000)	262,618,531	-0.38%	-
Total Timber	360,152,185	-	(1,000,000)	359,152,185	-0.28%	-
Energy						
EIG Energy Fund XIV-A	14,135,151	218,345	-	14,353,496	1.54%	1.54%
EIG Energy Fund XV	26,456,735	470,430	(187,412)	26,739,753	1.07%	1.78%
EIG Energy Fund XVI	59,813,454	(644,822)	(1,445,603)	57,723,029	-3.49%	-1.09%
Total Energy	100,405,340	43,953	(1,633,015)	98,816,278	-1.58%	0.04%
REIT						
REIT Transition Account	-	-	-	-	-	-
ARMB REIT	203,565,411	(5,302,622)	-	198,262,789	-2.60%	-2.60%
Total REIT	203,565,411	(5,302,622)	-	198,262,789	-2.60%	-2.60%
TIPS						
ARMB Treasury Inflation Protected Securities	27,198		(27,198)	-	-100.00%	-
Master Limited Partnerships						
Advisory Research MLP	357,364,526	(25,454,144)	(39,467,938)	292,442,444	-18.17%	-7.54%
Tortoise Capital Advisors	541,245,889	(37,212,777)	(39,304,269)	464,728,843	-14.14%	-7.13%
Total Master Limited Partnerships	898,610,415	(62,666,921)	(78,772,207)	757,171,287	-15.74%	-7.29%
·	, ,			, ,		

Infrastructure Private		,				
IFM Global Infrastructure Fund-Private	417,823,871	8,035,106	-	425,858,977	1.92%	1.92%
JP Morgan Infrastructure Fund-Private	115,395,118	-	-	115,395,118	-	-
Total Infrastructure Private	533,218,989	8,035,106	-	541,254,095	1.51%	1.51%
Infrastructure Public						
Brookfield Investment MgmtPublic	105,492,908	(2,474,024)	183,644	103,202,528	-2.17%	-2.34%
Lazard Asset MgmtPublic	149,051,150	(2,685,655)	-	146,365,495	-1.80%	-1.80%
Total Infrastructure Public	254,544,058	(5,159,679)	183,644	249,568,023	-1.95%	-2.03%
Real Estate						
Core Commingled Accounts						
JP Morgan	257,474,178	2,326,829	(1,882,438)	257,918,569	0.17%	0.91%
UBS Trumbull Property Fund	126,664,120	1,542,788	(37,039,659)	91,167,249	-28.02%	1.43%
Total Core Commingled	384,138,298	3,869,617	(38,922,097)	349,085,818	-9.12%	1.06%
Core Separate Accounts	· · · · · ·				-	
LaSalle Investment Management	200,267,050	-	(708,218)	199,558,832	-0.35%	-
Sentinel Separate Account	242,128,203	-	(956,653)	241,171,550	-0.40%	-
UBS Realty	510,343,062	-	(1,892,105)	508,450,957	-0.37%	-
Total Core Separate	952,738,315	-	(3,556,976)	949,181,339	-0.37%	-
Non-Core Commingled Accounts				i	-	
Almanac Realty Securities V	2,020,878	-	-	2,020,878	-	-
Almanac Realty Securities VII	33,753,045	-	-	33,753,045	-	-
BlackRock Diamond Property Fund	69,377	(410)	-	68,967	-0.59%	-0.59%
BlackRock US Core Property Fund	201,418,071	3,626,784	-	205,044,855	1.80%	1.80%
Clarion Ventures 4	23,108,222	-	-	23,108,222	-	-
Colony Investors VIII, L.P.	1,637,059	-	-	1,637,059	-	-
Coventry	265,083	-	-	265,083	-	-
ING Clarion Development Ventures III	2,482,226	-	-	2,482,226	-	-
KKR Real Estate Partners Americas II	4,823,956	199,274	607,653	5,630,883	16.73%	3.89%
KKR Real Estate Partners Americas LP.	22,628,370	1,116,498	102,731	23,847,599	5.39%	4.92%
Silverpeak Legacy Pension Partners II, L.P.	6,091,339	-	-	6,091,339	-	-
Silverpeak Legacy Pension Partners III, L.P.	4,487,072	-	-	4,487,072	-	-
Tishman Speyer Real Estate Venture VI	22,157,920	-	-	22,157,920	-	-
Tishman Speyer Real Estate Venture VII	999,584	-	-	999,584	-	-
Total Non-Core Commingled	325,942,202	4,942,146	710,384	331,594,732	1.73%	1.51%
Total Real Estate	1,662,818,815	8,811,763	(41,768,689)	1,629,861,889	-1.98%	0.54%
Total Real Assets	4,861,134,701	(56,238,400)	(122,767,465)	4,682,128,836	-3.68%	-1.17%
Total Assets	\$ 26,890,458,666	\$ (1,078,579,360)	\$ (95,719,887)	\$ 25,716,159,419	-4.37%	-4.02%

ALASKA RETIREMENT MANAGEMENT BOARD

Reporting of Funds by Manager

Participant Directed Plans

Supplemental Annuity Plan Schedule of Investment Income and Changes in Invested Assets for the Month Ended October 31, 2018

	В	eginning Invested Assets	Inv	vestment Income	Net Contributions (Withdrawals)	Transfers In (Out)	Ending Invested Assets	% Change in Invested Assets	% Change due to Investment Income (1)
Participant Options									
T. Rowe Price									
Stable Value Fund	\$	369,543,897	\$	773,815 \$	(651,063) \$	3,773,892 \$	373,440,541	1.05%	0.21%
Small Cap Stock Fund		189,729,455		(16,005,454)	(357,454)	(443,048)	172,923,499	-8.86%	-8.45%
Alaska Balanced Trust		1,144,919,857		(31,847,838)	(5,017,326)	(3,949,109)	1,104,105,584	-3.56%	-2.79%
Long Term Balanced Fund		690,402,521		(31,654,803)	406,466	(4,293,375)	654,860,809	-5.15%	-4.60%
AK Target Date 2010 Trust		10,476,863		(354,980)	(2,770)	420,532	10,539,645	0.60%	-3.32%
AK Target Date 2015 Trust		85,682,069		(3,297,517)	(811,422)	(327,157)	81,245,973	-5.18%	-3.87%
AK Target Date 2020 Trust		97,662,776		(4,472,808)	270,996	(266,549)	93,194,415	-4.58%	-4.58%
AK Target Date 2025 Trust		79,144,560		(4,134,113)	285,020	141,529	75,436,996	-4.68%	-5.21%
AK Target Date 2030 Trust		60,271,688		(3,488,508)	566,765	161,604	57,511,549	-4.58%	-5.75%
AK Target Date 2035 Trust		56,190,001		(3,551,897)	507,032	376,272	53,521,408	-4.75%	-6.27%
AK Target Date 2040 Trust		56,549,050		(3,786,854)	658,672	186,733	53,607,601	-5.20%	-6.65%
AK Target Date 2045 Trust		64,635,526		(4,462,475)	832,469	(51,995)	60,953,525	-5.70%	-6.86%
AK Target Date 2050 Trust		73,411,494		(5,063,782)	1,047,998	(162,151)	69,233,559	-5.69%	-6.86%
AK Target Date 2055 Trust		61,791,262		(4,282,704)	1,489,721	(224,710)	58,773,569	-4.88%	-6.86%
AK Target Date 2060 Trust		4,120,908		(303,076)	(11,894)	538,784	4,344,722	5.43%	-6.91%
Total Investments with T. Rowe Price		3,044,531,927		(115,932,994)	(786,790)	(4,118,748)	2,923,693,395		
State Street Global Advisors									
State Street Treasury Money Market Fund - Inst.		43,079,529		76,611	(145,764)	3,107,233	46,117,609	7.05%	0.17%
S&P 500 Stock Index Fund Series A		488,706,455		(33,603,122)	527,633	5,373,802	461,004,768	-5.67%	-6.83%
Russell 3000 Index		77,680,729		(5,690,856)	172,940	737,171	72,899,984	-6.15%	-7.28%
US Real Estate Investment Trust Index		35,137,862		(895,710)	82,945	(247,297)	34,077,800	-3.02%	-2.56%
World Equity Ex-US Index		58,201,987		(4,759,852)	209,987	947,630	54,599,752	-6.19%	-8.10%
US Treasury Inflation Protected Securities Index		38,180,164		(559,477)	29,027	1,672,482	39,322,196	2.99%	-1.43%
Total Investments with SSGA		740,986,726		(45,432,406)	876,768	11,591,021	708,022,109		
BlackRock									
Passive U.S. Bond Index Fund		107,002,719		(845,098)	155,687	(6,312,197)	100,001,111	-6.54%	-0.81%
Brandes/Baillie Gifford AK International Equity Fund		68,018,237		(5,906,516)	199,107	(492,130)	61,818,698	-9.11%	-8.70%
Northern Trust Environmental, Social, and Governance Fund		53,543,671		(3,710,988)	92,364	(667,946)	49,257,101	-8.01%	-6.97%
Total All Funds	\$	4,014,083,280	\$	(171,828,002) \$	537,136 \$	\$	3,842,792,414	-4.27%	-4.28%

Notes: Source data provided by the record keeper, Empower Retirement.

(1) Income divided by beginning assets plus half of net contributions/(withdrawals). Actual returns are calculated by Callan and Associates.

(2) This investment is comprised of two funds, Brandes International Equity Fund and Baillie Gifford International Equity Fund.

Supplemental Annuity Plan Schedule of Invested Assets with Schedule of Investment Income and Changes in Invested Assets By Month Through the Month Ended October 31, 2018

\$ (Thousands)

Invested Assets (at fair value)	_	July		August	_	September	_	October
Investments with T. Rowe Price	_		_		_			
Stable Value Fund	\$	355,917	\$	363,879	\$	369,544	\$	373,441
Small Cap Stock Fund		181,818		192,895		189,729		172,923
Alaska Balanced Trust		1,149,694		1,155,054		1,144,920		1,104,106
Long Term Balanced Fund		690,744		693,992		690,403		654,861
AK Target Date 2010 Trust		10,224		10,332		10,477		10,540
AK Target Date 2015 Trust		85,669		85,913		85,682		81,246
AK Target Date 2020 Trust		95,933		97,261		97,663		93,194
AK Target Date 2025 Trust		77,962		79,810		79,145		75,437
AK Target Date 2030 Trust		58,998		60,191		60,272		57,512
AK Target Date 2035 Trust		54,648		56,123		56,190		53,521
AK Target Date 2040 Trust		54,939		56,321		56,549		53,608
AK Target Date 2045 Trust		62,116		63,775		64,636		60,954
AK Target Date 2050 Trust		71,313		72,734		73,411		69,234
AK Target Date 2055 Trust		58,693		60,532		61,791		58,774
AK Target Date 2060 Trust		3,459		4,069		4,121		4,345
State Street Global Advisors								
State Street Treasury Money Market Fund - Inst.		42,005		40,850		43,080		46,118
S&P 500 Stock Index Fund Series A		469,954		484,173		488,706		461,005
Russell 3000 Index		76,432		78,281		77,681		72,900
US Real Estate Investment Trust Index		35,067		36,342		35,138		34,078
World Equity Ex-US Index		55,690		55,661		58,202		54,600
Long US Treasury Bond Index		12,732		-		-		-
US Treasury Inflation Protected Securities Index		33,228		36,218		38,180		39,322
World Government Bond Ex-US Index		12,569		-		-		-
Investments with BlackRock								
Passive U.S. Bond Index Fund		-		111,572		107,003		100,001
Government/Credit Bond Fund		49,922		-		-		-
Intermediate Bond Fund		41,183		-		-		-
Investments with Brandes/Baillie Gifford								
AK International Equity Fund		69,890		68,052		68,018		61,819
Investments with Northern Trust								
Environmental, Social, and Governance Fund	_	54,712		53,437	_	53,544	_	49,257
Total Invested Assets	\$_	3,965,512	\$ _	4,017,465	\$ _	4,014,083	\$ _	3,842,792
Change in Invested Assets								
Beginning Assets	\$	3,905,659	\$	3,965,512	\$	4,017,465	\$	4,014,083
Investment Earnings		64,770		58,603		(2,073)		(171,828
Net Contributions (Withdrawals)		(4,918)		(6,650)		(1,309)	. –	537
Ending Invested Assets	\$_	3,965,512	\$	4,017,465	\$_	4,014,083	\$_	3,842,792

Deferred Compensation Plan Schedule of Invested Assets and Changes in Invested Assets for the Month Ended October 31, 2018

	D						% Change in	% Change due
	B	eginning Invested Assets	Investment Income	Net Contributions (Withdrawals)	Transfers In (Out)	Ending Invested Assets	Invested Assets	to Investment Income (1)
Participant Options				((1)
T. Rowe Price								
Stable Value Fund	\$	178,901,038 \$	374,954 \$	(389,212) \$	2,261,451 \$	181,148,231	1.26%	0.21%
Small Cap Stock Fund		119,170,462	(10,048,980)	(211,734)	(389,312)	108,520,436	-8.94%	-8.45%
Alaska Balanced Trust		30,452,918	(851,131)	(102,211)	283,753	29,783,329	-2.20%	-2.79%
Long Term Balanced Fund		90,274,958	(4,105,837)	(624,336)	(584,825)	84,959,960	-5.89%	-4.58%
AK Target Date 2010 Trust		4,033,409	(133,450)	1,188	(182,345)	3,718,802	-7.80%	-3.38%
AK Target Date 2015 Trust		9,462,420	(365,524)	(223,373)	30,662	8,904,185	-5.90%	-3.90%
AK Target Date 2020 Trust		26,247,664	(1,199,934)	(199,979)	(59,719)	24,788,032	-5.56%	-4.59%
AK Target Date 2025 Trust		18,796,041	(977,654)	119,032	(42,529)	17,894,890	-4.79%	-5.19%
AK Target Date 2030 Trust		12,393,893	(716,947)	100,159	(15,969)	11,761,136	-5.11%	-5.77%
AK Target Date 2035 Trust		7,175,315	(456,018)	93,531	190,628	7,003,456	-2.40%	-6.23%
AK Target Date 2040 Trust		8,258,089	(549,241)	80,453	(128,649)	7,660,652	-7.23%	-6.67%
AK Target Date 2045 Trust		6,019,833	(419,668)	76,451	(91,385)	5,585,231	-7.22%	-6.98%
AK Target Date 2050 Trust		4,122,945	(284,054)	67,556	20,584	3,927,031	-4.75%	-6.82%
AK Target Date 2055 Trust		4,308,683	(295,416)	24,238	(44,572)	3,992,933	-7.33%	-6.87%
AK Target Date 2060 Trust		884,540	(62,238)	9,065	39,226	870,593	-1.58%	-6.85%
Total Investments with T. Rowe Price	_	520,502,208	(20,091,138)	(1,179,172)	1,286,999	500,518,897		
State Street Global Advisors								
State Street Treasury Money Market Fund - Inst.		13,946,644	24,266	(415,263)	315,084	13,870,731	-0.54%	0.17%
Russell 3000 Index		46,616,242	(3,417,443)	170,522	1,179,463	44,548,784	-4.44%	-7.23%
US Real Estate Investment Trust Index		12,769,773	(320,179)	35,223	82,773	12,567,590	-1.58%	-2.50%
World Equity Ex-US Index		18,531,076	(1,522,630)	88,205	480,946	17,577,597	-5.15%	-8.09%
US Treasury Inflation Protected Securities Index		15,603,145	(227,803)	22,210	288,582	15,686,134	0.53%	-1.45%
Total Investments with SSGA		107,466,880	(5,463,789)	(99,103)	2,346,848	104,250,836		
BlackRock								
S&P 500 Index Fund		226,416,967	(15,485,424)	(488,385)	(97,642)	210,345,516	-7.10%	-6.85%
Passive U.S. Bond Index Fund		55,702,369	(441,542)	(66,810)	(2,325,675)	52,868,342	-5.09%	-0.81%
Total Investments with BlackRock		282,119,336	(15,926,966)	(555,195)	(2,423,317)	263,213,858		
Brandes/Baillie Gifford								
AK International Equity Fund		36,339,997	(3,142,939)	(27,942)	(571,118)	32,597,998	-10.30%	-8.72%
Northern Trust								
Environmental, Social, and Governance Fund		23,412,859	(1,588,840)	(81,172)	(639,412)	21,103,435	-9.86%	-6.89%
Total All Funds	\$	969,841,280 \$	(46,213,672) \$	(1,942,584) \$	- \$	921,685,024	-4.97%	-4.77%

Notes: Source data provided by the record keeper, Empower Retirement.

(1) Income divided by beginning assets plus half of net contributions/(withdrawals). Actual returns are calculated by Callan and Associates.

(2) This investment is comprised of two funds, Brandes International Equity Fund and Baillie Gifford International Equity Fund.

Deferred Compensation Plan Schedule of Invested Assets with Schedule of Investment Income and Changes in Invested Assets By Month Through the Month Ended October 31, 2018

\$ (Thousands)

<u>Invested Assets</u> (at fair value)	 July	 August	 Sept
Investments with T. Rowe Price			
Interest Income Fund	\$ 175,629	\$ -	\$
Stable Value Fund	-	179,111	1
Small Cap Stock Fund	114,946	121,797	1
Alaska Balanced Trust	29,501	30,253	
Long Term Balanced Fund	91,224	91,105	
AK Target Date 2010 Trust	4,051	4,078	
AK Target Date 2015 Trust	9,541	9,477	
AK Target Date 2020 Trust	26,229	26,594	
AK Target Date 2025 Trust	17,470	18,025	
AK Target Date 2030 Trust	11,744	12,182	
AK Target Date 2035 Trust	6,910	7,082	
AK Target Date 2040 Trust	7,998	8,245	
AK Target Date 2045 Trust	5,688	5,882	
AK Target Date 2050 Trust	3,958	4,104	
AK Target Date 2055 Trust	4,248	4,300	
AK Target Date 2060 Trust	399	873	
State Street Global Advisors			
State Street Treasury Money Market Fund - Inst.	13,653	13,538	
Russell 3000 Index	43,890	45,212	
US Real Estate Investment Trust Index	12,810	13,334	
World Equity Ex-US Index	18,373	18,043	
Long US Treasury Bond Index	5,169	-	
US Treasury Inflation Protected Securities Index	13,533	14,313	
World Government Bond Ex-US Index	4,626	-	
Investments with BlackRock			
S&P 500 Index Fund	220,701	226,134	2
Passive U.S. Bond Index Fund	-	57,464	
Government/Credit Bond Fund	27,364	-	
Intermediate Bond Fund	22,131	-	
Investments with Brandes/Baillie Gifford			
AK International Equity Fund	38,417	37,121	
Investments with Northern Trust			
Environmental, Social, and Governance Fund	 23,391	 23,420	
Total Invested Assets	\$ 953,592	\$ 971,688	\$ 9
<u>Change in Invested Assets</u>			
Beginning Assets	\$ 938,807	\$ 953,592	\$ 9
Investment Earnings	17,321	18,962	
Net Contributions (Withdrawals)	 (2,536)	 (866)	
Ending Invested Assets	\$ 953,592	\$ 971,688	\$ 9

September	October
đ	
- \$	
178,901	181,148
119,170	108,520
30,453	29,783
90,275	84,960
4,033	3,719
9,462	8,904
26,248	24,788
18,796	17,895
12,394	11,761
7,175	7,003
8,258	7,661
6,020	5,585
4,123	3,927
4,309	3,993
885	871
13,947	13,871
46,616	44,549
40,010 12,770	12,568
12,770	17,578
-	-
15,603	15,686
-	-
226,417	210,346
55,702	52,868
-	-
-	-
36,340	32,598
30,340	52,598
23,413	21,103
969,841 \$	<u>921,685</u>
971,688 \$	5 969,841
(977)	(46,214)
(869)	(1,943)
969,841 \$	
<u> </u>	

Defined Contribution Retirement - Participant Directed PERS Schedule of Investment Income and Changes in Invested Assets for the Month Ended October 31, 2018

	B	eginning Invested	T / / T	Net Contributions		Ending Invested	% Change in Invested	% Change due to Investment
Participant Options		Assets	Investment Income	(Withdrawals)	Transfers In (Out)	Assets	Assets	Income (1)
T. Rowe Price								
Stable Value Fund	\$	27,851,984 \$	\$ 74,002 \$	(111,807) \$	15,192,161 \$	43,006,340	54.41%	0.21%
Small Cap Stock Fund	Ψ	78,139,550	(6,599,933)	92,096	(703,886)	70,927,827	-9.23%	-8.48%
Alaska Balanced Trust		27,771,893	(775,965)	40,008	(560,170)	26,475,766	-4.67%	-2.82%
Long Term Balanced Fund		21,415,172	(951,666)	33,475	(2,156,547)	18,340,434	-14.36%	-4.68%
AK Target Date 2010 Trust		2,485,428	(82,967)	7,880	64,751	2,475,092	-0.42%	-3.29%
AK Target Date 2015 Trust		12,061,476	(457,989)	86,941	(130,666)	11,559,762	-4.16%	-3.80%
AK Target Date 2020 Trust		32,961,300	(1,521,345)	317,213	(24,208)	31,732,960	-3.73%	-4.60%
AK Target Date 2025 Trust		52,639,964	(2,762,691)	703,427	29,454	50,610,154	-3.86%	-5.21%
AK Target Date 2030 Trust		55,869,310	(3,235,071)	431,836	(392,156)	52,673,919	-5.72%	-5.79%
AK Target Date 2035 Trust		66,600,093	(4,206,889)	711,897	(149,788)	62,955,313	-5.47%	-6.29%
AK Target Date 2040 Trust		79,081,398	(5,293,921)	806,964	(72,340)	74,522,101	-5.77%	-6.66%
AK Target Date 2045 Trust		102,389,211	(7,056,378)	1,041,814	(424,459)	95,950,188	-6.29%	-6.87%
AK Target Date 2050 Trust		121,128,408	(8,360,542)	1,335,060	(313,271)	113,789,655	-6.06%	-6.87%
AK Target Date 2055 Trust		100,844,045	(6,984,789)	1,909,186	(125,174)	95,643,268	-5.16%	-6.87%
AK Target Date 2060 Trust		992,602	(69,208)	(10,538)	(2,805)	910,051	-8.32%	-7.02%
Total Investments with T. Rowe Price	_	782,231,834	(48,285,352)	7,395,452	10,230,896	751,572,830		
State Street Global Advisors								
Money Market		10,109,408	18,087	(71,345)	864,110	10,920,260	8.02%	0.17%
S&P 500 Stock Index Fund Series A		104,740,512	(7,163,618)	304,963	871,438	98,753,295	-5.72%	-6.80%
Russell 3000 Index		11,692,790	(862,379)	76,766	40,703	10,947,880	-6.37%	-7.34%
US Real Estate Investment Trust Index		15,806,268	(402,957)	5,231	(26,638)	15,381,904	-2.68%	-2.55%
World Equity Ex-US Index		49,117,387	(4,039,433)	130,183	1,450,309	46,658,446	-5.01%	-8.09%
US Treasury Inflation Protected Securities Index		17,903,869	(264,263)	(86,258)	1,228,035	18,781,383	4.90%	-1.43%
Total Investments with SSGA		209,370,234	(12,714,563)	359,540	4,427,957	201,443,168		
BlackRock								
Passive U.S. Bond Index Fund		55,842,410	(420,714)	(96,585)	(14,659,696)	40,665,415	-27.18%	-0.87%
Brandes/Baillie Gifford								
AK International Equity Fund		45,451,639	(3,956,134)	156,039	171,417	41,822,961	-7.98%	-8.67%
Northern Trust								
Environmental, Social, and Governance Fund		10,306,675	(708,943)	11,718	(170,574)	9,438,876	-8.42%	-6.93%
Total All Funds	\$	1,103,202,792 \$	\$ (66,085,706) \$	7,826,164 \$	\$	1,044,943,250	-5.28%	-5.97%

Notes: Source data provided by the record keeper, Empower Retirement.

(1) Income divided by beginning assets plus half of net contributions/(withdrawals). Actual returns are calculated by Callan and Associates.
(2) This investment is comprised of two funds, Brandes International Equity Fund and Baillie Gifford International Equity Fund.

Defined Contribution Retirement - Participant Directed PERS Schedule of Invested Assets with Schedule of Investment Income and Changes in Invested Assets By Month Through the Month Ended October 31, 2018 \$ (Thousands)

Investments with T. Rowe Price 5 5 6 - 5 Alaska Money Market \$ 5,386 b - 14,421 27,852 43,006 Small Cap Stock, Fund 78,194 80,707 78,140 70,928 Alaska Balanced Trust 27,299 27,7398 27,772 26,476 Long Term Balanced Fund 24,785 23,022 21,415 18,840 AK Target Date 2010 Trust 2,508 2,531 2,485 2,475 AK Target Date 2020 Trust 32,186 32,603 32,261 31,733 AK Target Date 2020 Trust 51,239 52,236 52,640 50,610 AK Target Date 2037 Trust 64,604 65,985 66,600 62,955 AK Target Date 2050 Trust 98,208 100,893 102,389 95,500 AK Target Date 2050 Trust 95,705 98,774 100,844 95,461 AK Target Date 2050 Trust 815 862 993 910 State Street Global Advisors 4,623 10,005 10,109	<u>Invested Assets</u> (at fair value)		July		August		September		October
Stable Value Fund - 14.421 27,852 43,006 Simull Cap Stock Fund 78,194 80,707 78,140 70,928 Alaska Balanced Frust 27,299 23,398 27,772 26,476 Long Term Balanced Fund 24,785 23,022 21,415 18,340 AK Target Date 2010 Trust 2,508 2,531 2,485 2,475 AK Target Date 2020 Trust 32,186 32,603 32,961 31,733 AK Target Date 2020 Trust 51,239 55,2640 50,600 62,955 AK Target Date 2030 Trust 64,604 65,985 66,600 62,955 AK Target Date 2030 Trust 76,309 78,405 79,081 74,522 AK Target Date 2050 Trust 116,864 119,654 121,128 113,790 AK Target Date 2050 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 16,265 16,641 15,806 15,876 State Street Global Advisors 10,244 11,693 10,948 11,693 10,948	Investments with T. Rowe Price	_							
Small Cap Stock Fund 78,194 80,707 78,140 70,928 Alaska Balaneed Trust 27,299 27,398 27,772 26,476 Long Term Balanced Fund 24,785 23,023 2,14,15 18,340 AK Target Date 2010 Trust 21,845 2,485 2,485 2,475 AK Target Date 2017 Trust 11,859 12,041 12,061 11,560 AK Target Date 2020 Trust 51,239 52,236 52,640 50,610 AK Target Date 2023 Trust 64,604 65,985 66,600 62,955 AK Target Date 2040 Trust 96,208 100,893 190,238 95,503 AK Target Date 2053 Trust 16,664 149,654 121,128 13,730 AK Target Date 2050 Trust 116,864 149,654 121,128 143,790 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors 98,610 102,254 104,741 98,753 Money Market 4,623 10,005 10,109 10,920	Alaska Money Market	\$	5,386	\$	-	\$	- 5	\$	-
Alaska Balanced Trust 27,299 27,398 27,772 26,476 Long Term Balanced Fund 24,785 23,022 21,415 18,340 AK Target Date 2010 Trust 2,508 2,531 2,485 2,475 AK Target Date 2015 Trust 11,859 12,041 12,061 11,560 AK Target Date 2025 Trust 32,186 32,603 32,961 31,733 AK Target Date 2025 Trust 54,629 55,604 55,669 52,674 AK Target Date 2030 Trust 54,629 55,604 55,669 52,674 AK Target Date 2040 Trust 98,208 100,893 102,389 95,950 AK Target Date 2050 Trust 116,864 119,654 121,128 113,790 AK Target Date 2050 Trust 815 862 993 910 State Street Global Advisors 10,944 11,653 10,920 58 58 59,705 98,714 100,844 98,564 Money Market 4,623 10,005 10,109 10,920 58 58 500 Stock Index Fund Series A 98,610 102,254 104,741 98,753	Stable Value Fund		-		14,421		27,852		43,006
Long Term Balanced Fund $24,785$ $23,022$ $21,415$ $18,340$ AK Target Date 2015 Trust $2,508$ $2,531$ $2,485$ $2,475$ AK Target Date 2015 Trust $32,186$ $32,603$ $32,961$ $31,733$ AK Target Date 2025 Trust $51,239$ $52,236$ $52,640$ $50,610$ AK Target Date 2035 Trust $64,604$ $65,985$ $66,600$ $62,955$ AK Target Date 2035 Trust $64,604$ $65,985$ $66,600$ $62,955$ AK Target Date 2035 Trust $98,208$ $100,893$ $102,389$ $95,950$ AK Target Date 2055 Trust $98,704$ $100,844$ $95,643$ AK Target Date 2050 Trust $116,864$ $119,654$ $121,128$ $113,790$ AK Target Date 2005 Trust $95,705$ $98,774$ $100,844$ $95,643$ AK Target Date 2005 Trust $4,623$ $10,005$ $10,109$ $10,920$ SkP 500 Stock Index Fund Series A $98,610$ $102,254$ $104,741$ $98,753$ Russell 3000 Index $10,920$ $ -$	Small Cap Stock Fund		78,194		80,707		78,140		70,928
AK Target Date 2010 Trust 2,508 2,531 2,485 2,475 AK Target Date 2015 Trust 11,859 12,041 12,061 11,500 AK Target Date 2020 Trust 51,239 52,236 52,640 50,610 AK Target Date 2025 Trust 51,239 52,236 52,664 55,869 52,674 AK Target Date 2035 Trust 64,604 65,985 66,600 62,955 AK Target Date 2035 Trust 76,369 78,405 79,081 74,522 AK Target Date 2040 Trust 76,369 78,405 79,081 74,522 AK Target Date 2050 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors 815 862 993 910 State Street Global Advisors 10,944 11,591 11,693 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,882 World Equity Ex-US Index 46,938 47,280 49,117 46,582 <t< td=""><td>Alaska Balanced Trust</td><td></td><td>27,299</td><td></td><td>27,398</td><td></td><td>27,772</td><td></td><td>26,476</td></t<>	Alaska Balanced Trust		27,299		27,398		27,772		26,476
AK Target Date 2015 Trust 11,859 12,041 12,061 11,560 AK Target Date 2020 Trust 32,186 32,030 32,961 31,733 AK Target Date 2030 Trust 51,239 52,236 52,640 50,610 AK Target Date 2030 Trust 54,629 55,604 55,869 52,674 AK Target Date 2035 Trust 64,604 65,985 66,600 62,955 AK Target Date 2045 Trust 98,008 100,893 102,389 95,950 AK Target Date 2045 Trust 95,705 98,774 100,844 95,643 AK Target Date 2050 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors 815 862 933 910 Money Market 4,623 10,005 10,109 10,920 State Street Global Advisors 10,944 11,591 11,693 10,943 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Government Gond Index 1,210 - - -	Long Term Balanced Fund		24,785		23,022		21,415		18,340
AK Target Date 2020 Trust 32,186 32,603 32,961 31,733 AK Target Date 2025 Trust 51,239 52,236 52,640 50,610 AK Target Date 2035 Trust 64,604 66,985 66,600 62,955 AK Target Date 2040 Trust 76,369 78,405 79,081 74,522 AK Target Date 2040 Trust 76,369 78,405 79,081 74,522 AK Target Date 2040 Trust 98,208 100,893 102,389 95,950 AK Target Date 2050 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors 00,944 11,591 11,093 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Equity Ex-US Index 14,922 - - - Long US Treasury findation Protected Securitics Index 14,922 16,824 17,904 18,781 World Government/Credit Bond Fund 49,222 - - - - Investments with Brandes/Baillie Gifford AK Inte	AK Target Date 2010 Trust		2,508		2,531		2,485		2,475
AK Target Date 2025 Trust $51,239$ $52,236$ $52,640$ $50,610$ AK Target Date 2030 Trust $54,629$ $55,604$ $55,869$ $52,674$ AK Target Date 2040 Trust $76,369$ $78,405$ $79,081$ $74,522$ AK Target Date 2040 Trust $76,369$ $78,405$ $79,081$ $74,522$ AK Target Date 2040 Trust $116,864$ $119,654$ $121,128$ $113,790$ AK Target Date 2055 Trust $95,705$ $98,774$ $100,844$ $95,643$ AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors $4,623$ $10,005$ $10,109$ $10,220$ Money Market $4,623$ $10,005$ $10,109$ $10,920$ S&P 500 Stock Index Fund Series A $98,610$ $102,254$ $104,741$ $98,732$ US Real Estate Investment Trust Index $16,265$ $16,461$ $15,806$ $15,382$ World Equity Ex-US Index $12,106$ $ -$ US Treasury Inflation Protected Scurities Index $12,106$ $ -$	AK Target Date 2015 Trust		11,859		12,041		12,061		11,560
AK Target Date 2030 Trust $54,629$ $55,604$ $55,869$ $52,674$ AK Target Date 2035 Trust $64,604$ $65,985$ $66,600$ $62,955$ AK Target Date 2045 Trust $76,369$ $78,405$ $79,081$ $74,522$ AK Target Date 2050 Trust $116,864$ $119,654$ $121,128$ $113,790$ AK Target Date 2055 Trust $95,705$ $98,774$ $100,844$ $95,643$ AK Target Date 2050 Trust 815 862 993 910 State Street Global Advisors 815 862 993 910 State Street Global Advisors $4,623$ $10,005$ $10,109$ $10,920$ S&P 500 Stock Index Fund Series A $98,610$ $102,254$ $104,741$ $98,753$ Russell 3000 Index $10,944$ $11,591$ $11,693$ $10,948$ US Real Estate Investment Trust Index $16,265$ $16,461$ $15,806$ $15,382$ World Equity Ex-US Index $12,210$ $ -$ </td <td>AK Target Date 2020 Trust</td> <td></td> <td>32,186</td> <td></td> <td>32,603</td> <td></td> <td>32,961</td> <td></td> <td>31,733</td>	AK Target Date 2020 Trust		32,186		32,603		32,961		31,733
AK Target Date 2040 Trust $64,604$ $65,985$ $66,600$ $62,955$ AK Target Date 2040 Trust $76,369$ $78,405$ $79,081$ $74,522$ AK Target Date 2050 Trust $98,208$ $100,893$ $102,389$ $95,950$ AK Target Date 2050 Trust $116,864$ $119,654$ $121,128$ $113,790$ AK Target Date 2050 Trust $95,705$ $98,774$ $100,844$ $95,643$ AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors 4.623 $10,005$ $10,109$ $10,920$ S&P 500 Stock Index Fund Series A $98,610$ $102,254$ $104,741$ $98,753$ Russell 3000 Index $10,944$ $11,591$ 11.693 $10,948$ US Real Estate Investment Trust Index $16,265$ $16,461$ $15,806$ $15,382$ Long US Treasury Bond Index $1,210$ - - - US Treasury Bond Index $1,210$ - - - Investments with BlackRock $60,773$ $5,842$ $40,6055$ Intermediate Bond Fund 22,335 -	AK Target Date 2025 Trust		51,239		52,236		52,640		50,610
AK Target Date 2040 Trust 76,369 78,405 79,081 74,522 AK Target Date 2045 Trust 98,208 100,893 102,389 95,950 AK Target Date 2050 Trust 116,864 119,654 121,128 113,790 AK Target Date 2050 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors 10,005 10,109 10,920 S&P 500 Stock Index Fund Series A 98,610 102,254 104,741 98,753 Russell 3000 Index 10,944 11,591 11,693 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,822 World Government Bond Ex-US Index 1,210 - - - US Treasury Inflation Protected Securities Index 14,922 16,824 17,904 18,781 World Government/Credit Bond Fund 49,222 - - - - Passive U.S. Bond Index Fund - 68,174 55,842 40,665 Intermediate Bond Fund 2,335<	AK Target Date 2030 Trust		54,629		55,604		55,869		52,674
AK Target Date 2045 Trust 98,208 100,893 102,389 95,950 AK Target Date 2050 Trust 116,864 119,654 121,128 113,790 AK Target Date 2055 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors Money Market 4,623 10,005 10,109 10,920 S&P 500 Stock Index Fund Series A 98,610 102,254 104,741 98,753 Russell 3000 Index 10,944 11,591 11,693 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Equity Ex-US Index 4,922 16,824 17,904 18,781 World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock 60 68,174 55,842 40,665 Intermediate Bond Fund 22,335 - - - - Investments with Brandes/Baillic Gifford 45,645 45,336 45,452	AK Target Date 2035 Trust		64,604		65,985		66,600		62,955
AK Target Date 2050 Trust 116,864 119,654 121,128 113,790 AK Target Date 2050 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors 815 862 993 910 State Street Global Advisors 10,005 10,005 10,109 10,920 S&P 500 Stock Index Fund Series A 98,610 102,254 104,741 98,753 Russell 3000 Index 10,944 11,591 11,693 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Equity Ex-US Index 14,922 16,824 17,904 18,781 World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock 68,174 55,842 40,665 Intermediate Bond Fund 22,335 - - Investments with Brandes/Baillie Gifford 45,645 45,336 45,452 41,823 Investments with Northern Trust 10,616 10,404 10,307 9,439 Inve	AK Target Date 2040 Trust		76,369		78,405		79,081		74,522
AK Target Date 2055 Trust 95,705 98,774 100,844 95,643 AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors Money Market 4,623 10,005 10,109 10,920 S&P 500 Stock Index Fund Series A 98,610 102,254 104,741 98,753 Russell 3000 Index 10,944 11,591 11,693 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Equity Ex-US Index 46,988 47,280 49,117 46,658 Long US Treasury Bond Index 1,210 - - - US Treasury Inflation Protected Securities Index 14,922 16,824 17,904 18,781 World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock - 68,174 55,842 40,665 Intermediate Bond Fund 42,545 45,336 45,452 41,823 Investments with Northern Trust 10,616 10,404 10,307 <td< td=""><td>AK Target Date 2045 Trust</td><td></td><td>98,208</td><td></td><td>100,893</td><td></td><td>102,389</td><td></td><td>95,950</td></td<>	AK Target Date 2045 Trust		98,208		100,893		102,389		95,950
AK Target Date 2060 Trust 815 862 993 910 State Street Global Advisors	AK Target Date 2050 Trust		116,864		119,654		121,128		113,790
State Street Global Advisors Money Market 4,623 10,005 10,109 10,920 S&P 500 Stock Index Fund Series A 98,610 102,254 104,741 98,753 Russell 3000 Index 10,944 11,591 11,693 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Equity Ex-US Index 46,988 47,280 49,117 46,658 Long US Treasury Bond Index 1,210 - - - US Treasury Inflation Protected Securities Index 14,922 16,824 17,904 18,781 World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock - - - - Government/Credit Bond Fund 49,222 - - - Passive U.S. Bond Index Fund - 68,174 55,842 40,665 Intermediate Bond Fund 22,335 - - - - Investments with Brandes/Baillie Gifford 45,645 45,336 45,452 41,823 Investments with Northern Trust <td< td=""><td>AK Target Date 2055 Trust</td><td></td><td>95,705</td><td></td><td>98,774</td><td></td><td>100,844</td><td></td><td>95,643</td></td<>	AK Target Date 2055 Trust		95,705		98,774		100,844		95,643
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	AK Target Date 2060 Trust		815		862		993		910
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	State Street Global Advisors								
S&P 500 Stock Index Fund Series A 98,610 $102,254$ $104,741$ 98,753 Russell 3000 Index $10,944$ $11,591$ $11,693$ $10,948$ US Real Estate Investment Trust Index $16,265$ $16,461$ $15,806$ $15,382$ World Equity Ex-US Index $46,988$ $47,280$ $49,117$ $46,658$ Long US Treasury Bond Index $1,210$ $ -$ US Treasury Inflation Protected Securities Index $14,922$ $16,824$ $17,904$ $18,781$ World Government Bond Ex-US Index $7,351$ $ -$ Investments with BlackRock $6000000000000000000000000000000000000$			4.623		10.005		10,109		10.920
Russell 3000 Index 10,944 11,591 11,693 10,948 US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Equity Ex-US Index 46,988 47,280 49,117 46,658 Long US Treasury Bond Index 1,210 - - - US Treasury Inflation Protected Securities Index 14,922 16,824 17,904 18,781 World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock 60vernment/Credit Bond Fund 49,222 - - - Passive U.S. Bond Index Fund - 68,174 55,842 40,665 Intermediate Bond Fund 22,335 - - - Investments with Brandes/Baillie Gifford 45,645 45,336 45,452 41,823 Investments with Northern Trust 10,616 10,404 10,307 9,439 Total Invested Assets \$ 1,069,378 1,093,466 \$ 1,03,203 \$ Reginning Assets \$ 1,041,422 \$ 1,069,378 1,093,466 \$ 1,103,203 <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	•								
US Real Estate Investment Trust Index 16,265 16,461 15,806 15,382 World Equity Ex-US Index 46,988 47,280 49,117 46,658 Long US Treasury Bond Index 1,210 - - - US Treasury Inflation Protected Securities Index 14,922 16,824 17,904 18,781 World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock 60vernment/Credit Bond Fund 49,222 - - - Passive U.S. Bond Index Fund - 68,174 55,842 40,665 Intremediate Bond Fund 22,335 - - - Investments with Brandes/Baillie Gifford 45,645 45,336 45,452 41,823 Investments with Northern Trust 10,616 10,404 10,307 9,439 Total Invested Assets \$ 1,069,378 1,093,466 1,103,203 1,044,4943 Change in Invested Assets \$ 1,041,422 \$ 1,009,376 \$ 1,003,466 \$ 1,103,203 Investments with Northern Trust Environmental, Social, and Governance Fund </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>							-		
World Equity Ex-US Index 46,988 47,280 49,117 46,658 Long US Treasury Bond Index 1,210 - - - US Treasury Inflation Protected Securities Index 14,922 16,824 17,904 18,781 World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock 6000000000000000000000000000000000000									
Long US Treasury Bond Index1,210US Treasury Inflation Protected Securities Index14,92216,82417,90418,781World Government Bond Ex-US Index7,351Investments with BlackRock $49,222$ Government/Credit Bond Fund49,222Passive U.S. Bond Index Fund- $68,174$ $55,842$ 40,665Intermediate Bond Fund22,335Investments with Brandes/Baillie Gifford $45,645$ $45,336$ $45,452$ $41,823$ Investments with Northern TrustInvestmental, Social, and Governance Fund $10,616$ $10,404$ $10,307$ $9,439$ Total Invested Assets\$ $1,069,378$ \$ $1,093,466$ \$ $1,103,203$ \$Beginning Assets\$ $1,041,422$ \$ $1,069,378$ \$ $1,093,466$ \$ $1,103,203$ Investment Earnings $23,080$ $17,895$ (334) $(66,086)$ Net Contributions (Withdrawals) $4,876$ $6,192$ $10,071$ $7,826$			-		2		-		
US Treasury Inflation Protected Securities Index $14,922$ $16,824$ $17,904$ $18,781$ World Government Bond Ex-US Index $7,351$ - - - Investments with BlackRock $7,351$ - - - Government/Credit Bond Fund $49,222$ - - - Passive U.S. Bond Index Fund - $68,174$ $55,842$ $40,665$ Intermediate Bond Fund $22,335$ - - - Investments with Brandes/Baillie Gifford $45,645$ $45,336$ $45,452$ $41,823$ Investments with Northern Trust Environmental, Social, and Governance Fund $10,616$ $10,404$ $10,307$ $9,439$ Total Invested Assets \$ $1,041,422$ \$ $1,069,378$ \$ $1,093,466$ \$ $1,103,203$ Reginning Assets \$ $1,041,422$ \$ $1,069,378$ \$ $1,093,466$ \$ $1,103,203$ Investment Earnings $23,080$ $17,895$ (334) $(66,086)$ Net Contributions (Withdrawals) $4,876$ $6,192$ $10,071$ $7,826$ <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td>			-		-		-		-
World Government Bond Ex-US Index 7,351 - - - Investments with BlackRock Government/Credit Bond Fund 49,222 - - - Passive U.S. Bond Index Fund - 68,174 55,842 40,665 Intermediate Bond Fund 22,335 - - - Investments with Brandes/Baillie Gifford 45,645 45,336 45,452 41,823 Investments with Northern Trust Environmental, Social, and Governance Fund 10,616 10,404 10,307 9,439 Total Invested Assets \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 \$ Beginning Assets \$ 1,041,422 \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 Investment Earnings 23,080 17,895 (334) (66,086) (66,086) Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826			-		16 824		17 904		18 781
Government/Credit Bond Fund $49,222$ - - - Passive U.S. Bond Index Fund - $68,174$ $55,842$ $40,665$ Intermediate Bond Fund $22,335$ - - - Investments with Brandes/Baillie Gifford $45,645$ $45,336$ $45,452$ $41,823$ Investments with Northern Trust Environmental, Social, and Governance Fund $10,616$ $10,404$ $10,307$ $9,439$ Change in Invested Assets § $1,069,378$ § $1,093,466$ § $1,103,203$ § Beginning Assets § $1,041,422$ \$ $1,069,378$ \$ $1,093,466$ \$ $1,103,203$ Net Contributions (Withdrawals) $4,876$ $6,192$ $10,071$ $7,826$	-		-		-		-		-
Government/Credit Bond Fund $49,222$ - - - Passive U.S. Bond Index Fund - $68,174$ $55,842$ $40,665$ Intermediate Bond Fund $22,335$ - - - Investments with Brandes/Baillie Gifford $45,645$ $45,336$ $45,452$ $41,823$ Investments with Northern Trust Environmental, Social, and Governance Fund $10,616$ $10,404$ $10,307$ $9,439$ Change in Invested Assets § $1,069,378$ § $1,093,466$ § $1,103,203$ § Beginning Assets § $1,041,422$ \$ $1,069,378$ \$ $1,093,466$ \$ $1,103,203$ Net Contributions (Withdrawals) $4,876$ $6,192$ $10,071$ $7,826$	Investments with BlackRock								
Passive U.S. Bond Index Fund - 68,174 55,842 40,665 Intermediate Bond Fund 22,335 - - - Investments with Brandes/Baillie Gifford 45,645 45,336 45,452 41,823 Investments with Northern Trust 45,645 45,336 45,452 41,823 Investments with Northern Trust 10,616 10,404 10,307 9,439 Total Invested Assets \$ 1,069,378 \$ 1,093,466 \$ 1,044,943 Change in Invested Assets \$ 1,041,422 \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826			49.222		-		_		-
Intermediate Bond Fund 22,335 - - - Investments with Brandes/Baillie Gifford 45,645 45,336 45,452 41,823 Investments with Northern Trust 45,645 45,336 45,452 41,823 Investments with Northern Trust 10,616 10,404 10,307 9,439 Total Invested Assets \$ 1,069,378 1,093,466 1,044,943 Change in Invested Assets \$ 1,041,422 1,069,378 1,093,466 1,103,203 Beginning Assets \$ 1,041,422 \$ 1,069,378 1,093,466 1,103,203 Investment Earnings 23,080 17,895 (334) (66,086) Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826			-		68,174		55.842		40.665
AK International Equity Fund 45,645 45,336 45,452 41,823 Investments with Northern Trust Environmental, Social, and Governance Fund 10,616 10,404 10,307 9,439 Total Invested Assets 1,069,378 1,093,466 1,103,203 1,044,943 Change in Invested Assets \$ 1,041,422 1,069,378 1,093,466 1,103,203 Beginning Assets \$ 1,041,422 1,069,378 1,093,466 1,103,203 Investment Earnings 23,080 17,895 (334) (66,086) Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826			22,335		-		-		-
AK International Equity Fund 45,645 45,336 45,452 41,823 Investments with Northern Trust Environmental, Social, and Governance Fund 10,616 10,404 10,307 9,439 Total Invested Assets 1,069,378 1,093,466 1,103,203 1,044,943 Change in Invested Assets \$ 1,041,422 1,069,378 1,093,466 1,103,203 Beginning Assets \$ 1,041,422 1,069,378 1,093,466 1,103,203 Investment Earnings 23,080 17,895 (334) (66,086) Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826	Investments with Brandes/Baillie Gifford								
Environmental, Social, and Governance Fund 10,616 10,404 10,307 9,439 Total Invested Assets 1,069,378 1,093,466 1,103,203 1,044,943 Change in Invested Assets 1,041,422 1,069,378 1,093,466 1,093,466 1,103,203 1,044,943 Beginning Assets \$ 1,041,422 \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 Investment Earnings \$ 1,041,422 \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826			45,645		45,336		45,452		41,823
Environmental, Social, and Governance Fund 10,616 10,404 10,307 9,439 Total Invested Assets 1,069,378 1,093,466 1,103,203 1,044,943 Change in Invested Assets 1,041,422 1,069,378 1,093,466 1,093,466 1,103,203 1,044,943 Beginning Assets \$ 1,041,422 \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 Investment Earnings \$ 1,041,422 \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826	Investments with Northern Trust								
Total Invested Assets \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 \$ 1,044,943 Change in Invested Assets Beginning Assets \$ 1,041,422 \$ 1,069,378 \$ 1,093,466 \$ 1,103,203 Investment Earnings \$ 23,080 17,895 (334) (66,086) Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826			10.616		10,404		10.307		9.439
Beginning Assets\$ 1,041,422\$ 1,069,378\$ 1,093,466\$ 1,103,203Investment Earnings23,08017,895(334)(66,086)Net Contributions (Withdrawals)4,8766,19210,0717,826		\$	-	\$,	\$		\$	
Beginning Assets\$ 1,041,422\$ 1,069,378\$ 1,093,466\$ 1,103,203Investment Earnings23,08017,895(334)(66,086)Net Contributions (Withdrawals)4,8766,19210,0717,826	Change in Invested Assets								
Investment Earnings23,08017,895(334)(66,086)Net Contributions (Withdrawals)4,8766,19210,0717,826		\$	1.041.422	\$	1.069.378	\$	1.093.466	\$	1.103.203
Net Contributions (Withdrawals) 4,876 6,192 10,071 7,826		¥		Ψ		¥		Ŧ	
	6		-		-				
		\$		\$		\$		\$	

Defined Contribution Retirement - Participant Directed TRS Schedule of Investment Income and Changes in Invested Assets for the Month Ended October 31, 2018

	В	Beginning Invested	Incontract Income	Net Contributions	Turnefour In (Out)	Ending Invested	% Change in Invested	% Change due to Investment
Participant Options		Assets	Investment Income	(Withdrawals)	Transfers In (Out)	Assets	Assets	Income (1)
T. Rowe Price								
Stable Value Fund	\$	10,958,572 \$	29,279 \$	72,115	\$ 6,194,156 \$	17,254,122	57.45%	0.21%
Small Cap Stock Fund	Ψ	33,875,859	(2,854,163)	75,375	(390,244)	30,706,827	-9.35%	-8.46%
Alaska Balanced Trust		11,456,226	(320,301)	53,903	(112,590)	11,077,238	-3.31%	-2.80%
Long Term Balanced Fund		8,893,396	(394,011)	28,612	(907,476)	7,620,521	-14.31%	-4.66%
AK Target Date 2010 Trust		843,209	(29,080)	9,144	(98,175)	725,098	-14.01%	-3.64%
AK Target Date 2015 Trust		3,354,093	(129,115)	34,640	(38,665)	3,220,953	-3.97%	-3.85%
AK Target Date 2020 Trust		9,992,445	(457,636)	68,730	(3,225)	9,600,314	-3.92%	-4.56%
AK Target Date 2025 Trust		17,113,427	(896,785)	257,040	62	16,473,744	-3.74%	-5.20%
AK Target Date 2030 Trust		20,232,515	(1,173,440)	326,246	(1,252)	19,384,069	-4.19%	-5.75%
AK Target Date 2035 Trust		30,167,040	(1,897,937)	286,423	(27,895)	28,527,631	-5.43%	-6.26%
AK Target Date 2040 Trust		32,147,702	(2,130,172)	419,694	(223,458)	30,213,766	-6.02%	-6.61%
AK Target Date 2045 Trust		49,641,218	(3,412,201)	720,902	(266,665)	46,683,254	-5.96%	-6.84%
AK Target Date 2050 Trust		69,023,856	(4,744,009)	753,294	12,681	65,045,822	-5.76%	-6.84%
AK Target Date 2055 Trust		32,751,209	(2,260,244)	861,785	(26,070)	31,326,680	-4.35%	-6.81%
AK Target Date 2060 Trust		250,495	(17,461)	1,852	2,801	237,687	-5.11%	-6.91%
Total Investments with T. Rowe Price		330,701,262	(20,687,276)	3,969,755	4,113,985	318,097,726		
State Street Global Advisors								
Money Market		2,676,521	4,868	27,376	185,161	2,893,926	8.12%	0.17%
S&P 500 Stock Index Fund Series A		42,944,084	(2,932,715)	104,514	270,376	40,386,259	-5.96%	-6.80%
Russell 3000 Index		3,757,481	(275,910)	36,538	(13,397)	3,504,712	-6.73%	-7.32%
US Real Estate Investment Trust Index		6,396,156	(162,360)	30,763	(52,352)	6,212,207	-2.88%	-2.54%
World Equity Ex-US Index		22,069,359	(1,814,964)	104,206	715,370	21,073,971	-4.51%	-8.07%
US Treasury Inflation Protected Securities Index		6,486,407	(96,295)	34,640	514,102	6,938,854	6.98%	-1.42%
Total Investments with SSGA		84,330,008	(5,277,376)	338,037	1,619,260	81,009,929		
BlackRock								
Passive U.S. Bond Index Fund		21,597,054	(163,407)	78,168	(5,702,409)	15,809,406	-26.80%	-0.87%
Brandes/Baillie Gifford AK International Equity Fund		20,320,303	(1,765,023)	42,681.00	109,535	18,707,496	-7.94%	-8.65%
Northern Trust Environmental, Social, and Governance Fund		4,270,436	(293,770)	22,194.00	(140,371)	3,858,489	-9.65%	-6.98%
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
Total All Funds	\$	461,219,063 \$	(28,186,852) \$	4,450,835	\$\$	437,483,046	-5.15%	-6.08%

Notes: Source data provided by the record keeper, Empower Retirement.
(1) Income divided by beginning assets plus half of net contributions/(withdrawals). Actual returns are calculated by Callan and Associates.
(2) This investment is comprised of two funds, Brandes International Equity Fund and Baillie Gifford International Equity Fund.

Defined Contribution Retirement - Participant Directed TRS Schedule of Invested Assets with Schedule of Investment Income and Changes in Invested Assets By Month Through the Month Ended October 31, 2018 \$ (Thousands)

Invested Assets (at fair value)	 July	 August	 September	_	October
Investments with T. Rowe Price					
Alaska Money Market	\$ 1,894	\$ -	\$ -	\$	-
Stable Value Fund	-	5,764	10,959		17,254
Small Cap Stock Fund	34,424	35,326	33,876		30,707
Alaska Balanced Trust	11,394	11,458	11,456		11,077
Long Term Balanced Fund	10,335	9,630	8,893		7,621
AK Target Date 2010 Trust	826	836	843		725
AK Target Date 2015 Trust	3,397	3,396	3,354		3,221
AK Target Date 2020 Trust	9,951	9,943	9,992		9,600
AK Target Date 2025 Trust	16,938	17,131	17,113		16,474
AK Target Date 2030 Trust	20,121	20,288	20,233		19,384
AK Target Date 2035 Trust	29,766	29,990	30,167		28,528
AK Target Date 2040 Trust	31,409	31,857	32,148		30,214
AK Target Date 2045 Trust	48,740	49,511	49,641		46,683
AK Target Date 2050 Trust	68,156	69,233	69,024		65,046
AK Target Date 2055 Trust	32,138	32,606	32,751		31,327
AK Target Date 2060 Trust	179	195	250		238
State Street Global Advisors					
Money Market	690	2,573	2,677		2,894
S&P 500 Stock Index Fund Series A	41,127	42,492	42,944		40,386
Russell 3000 Index	3,621	3,663	3,757		3,505
US Real Estate Investment Trust Index	6,751	6,695	6,396		6,212
World Equity Ex-US Index	21,323	21,370	22,069		21,074
Long US Treasury Bond Index	306	-	-		-
US Treasury Inflation Protected Securities Index	5,367	6,094	6,486		6,939
World Government Bond Ex-US Index	2,765	-	-		-
Investments with BlackRock					
Government/Credit Bond Fund	20,232	-	-		-
Passive U.S. Bond Index Fund	-	26,480	21,597		15,809
Intermediate Bond Fund	8,292	-	-		-
Investments with Brandes/Baillie Gifford					
AK International Equity Fund	20,619	20,325	20,320		18,707
Investments with Northern Trust					
Environmental, Social, and Governance Fund	 4,614	 4,398	 4,270	-	3,858
Total Invested Assets	\$ 455,376	\$ 461,254	\$ 461,219	\$_	437,483
Change in Invested Assets					
Beginning Assets	\$ 442,323	\$ 455,376	\$ 461,254	\$	461,219
Investment Earnings	10,017	7,587	(129)		(28,187)
Net Contributions (Withdrawals)	 3,036	 (1,709)	 95	_	4,451
Ending Invested Assets	\$ 455,376	\$ 461,254	\$ 461,219	\$	437,483