Callan

Callan Associates Inc. 1900 16th Street Suite 1175 Denver, CO 80202



September 9, 2015

Alaska Retirement Management Board State of Alaska, Department of Revenue Treasury Division 333 Willoughby Avenue, 11th Floor Juneau, Alaska 99801

Dear Board Members:

This letter reviews the investment performance of the Alaska Retirement Management Board (ARMB) for the fiscal year ended June 30, 2015.

Callan Associates Inc. (Callan) independently calculates time-weighted performance statistics based on underlying custodial data provided by the Board's custodian, State Street Bank and Trust Company. The performance calculations were made using a time-weighted return methodology based upon current market values. ARMB's real estate consultant, the Townsend Group, calculates returns for the real estate segment of the portfolio. Callan incorporates that data into the total plan returns.

Callan serves as ARMB's independent general investment consultant and evaluates ARMB's performance in relation to market benchmarks, appropriate manager peer groups and other public pension systems. The performance calculations were made using methodology similar to Global Investment Performance Standards.

ARMB's primary investment objective is to prudently and expertly invest assets, in accordance with governing law and industry practices, in a manner that will help ensure assets under supervision are sufficient to pay promised benefits to its members and their beneficiaries. In pursuit of this objective, ARMB periodically evaluates liabilities, expected contributions and potential earnings. This analysis is used to consider a wide range of potentially viable investment strategies. The Board selects a strategic investment policy that balances long-term growth potential and acceptable risk. A policy benchmark is constructed that mirrors the Board's strategic asset allocation policy. This policy benchmark is a custom index comprised of equity, fixed income, real estate and other market indices weighted in the same proportions as ARMB's investment policy.

Equity markets in the U.S. climbed steadily higher during the fiscal year 2015. The Russell 3000 Index, a measure of broad U.S. equity, gained 7.29%. Returns for equities outside of the U.S. did not fare as well. International stocks, as measured by the MSCI ACWI ex-U.S. Index, lost 4.85% for the period. A broad measure of the total global equity market (MSCI All Country World Index) rose 1.23%.

Investment Section

A flattening yield curve during the period boosted fixed income performance. The Barclays Capital Aggregate Bond Index, a widely used gauge of the investment grade domestic bond market, gained 1.86%. Absolute return strategies, such as hedge fund-of-funds, posted modest gains during the fiscal year. The Callan Absolute Return Hedge Fund-of-Funds Style median return was 2.28% (net- of-fee). Private real estate investments (NCREIF Property Index) turned in another solid year, returning 12.98%. Publicly traded real estate, as measured by the NAREIT Equity Index, did not perform as well and increased only 4.14%.

ARMB's various asset group returns performed as expected.

Domestic stocks	7.84%
Int'l Stocks	-3.32%
Alternative Equity	-0.81%
Fixed Income	-0.73%
Real Assets	3.71%
Private Equity	13.77%
Absolute Return	9.24%

For the fiscal year, the Public Employees Retirement System (PERS) had a time-weighted total return of 3.29% and the Teachers Retirement System (TRS) had a time-weighted total return of 3.30%. Both systems outperformed their strategic policy benchmark target return of 2.74% and the median return for Callan's Public Fund database of 3.21%.

Over longer-term periods, PERS and TRS have closely tracked their target index returns. For example, PERS' 10-year annualized return was 6.69% while TRS's return was slightly higher at 6.73%. These returns were in line, but slightly above, their target return of 6.54%. Over the longest period for which Callan has detailed data (23.75 years), PERS and TRS have achieved annualized total returns of 7.84% and 7.90%, respectively, while the policy benchmark return was 7.80%.

Both systems are well diversified and currently have asset allocation policies that, in our opinion, are consistent with achievement of a long-term "real" return of 4.5% or better.

In summary, fiscal 2015 was a year in which asset class returns were varied and a well-diversified portfolio was able to produce positive results.

Sincerely,

Paul Erlendson Senior Vice President

Casey Colton

Department of Revenue **Treasury Division Staff** As of June 30, 2015

Commissioner **Chief Investment Officer**

Investment Officers Randall Hoffbeck Gary Bader Bob G. Mitchell

Stephen R. Sikes Nicholas Orr **Deputy Commissioner** Comptroller Zachary Hanna Victor Djajalie Jerry Burnett Scott Jones, CPA Steve Verschoor Joy Wilkinson Shane Carson Alyson Campbell

Cash Management Director Sean Howard **Emily Peyton** Michelle M. Prebula, MBA, CPA, CCM Pamela Leary, CPA Paul Hackenmueller

ARMB Liaison Officer

Judy Hall

External Money Managers and Consultants

Domestic Equity Large Capitalization

Allianz Global Investors San Francisco, CA

Analytic Investors LLC Los Angeles, CA

Barrow, Hanley, Mewhinney & Strauss

Dallas, TX

Capital Guardian Trust Co.

Los Angeles, CA

McKinley Capital Management, Inc.

Anchorage, AK Relational Investors LLC

San Diego, CA

Quantitative Management Associates

Newark, NJ

State Street Global Advisors

San Francisco, CA

Domestic Equity Small Capitalization

Barrow, Hanley, Mewhinney & Strauss

Dallas, TX

Frontier Capital Management

Boston, MA

Jennison Associates LLC

New York, NY

Lord Abbett & Co.

Jersey City, NJ

Luther King Capital Management

Fort Worth, TX

State Street Global Advisors

San Francisco, CA

Victory Capital Management

St. Louis, MO

Domestic Equity MicroCap

DePrince, Race & Zollo, Inc.

Winter Park, FL

Lord Abbett & Co.

Jersey City, NJ

Zebra Capital Management

Mitford, CT

Domestic Equity Index Fund

State Street Global Advisors San Francisco, CA

International Equity - EAFE, Emerging Markets Non U.S., and Global Equity

Allianz Global Investors

San Francisco, CA

Arrowstreet Capital, LP

Boston, MA

BlackRock

San Francisco, CA

Baillee Gifford Overseas Ltd.

Edinburgh, Scotland

Brandes Investment Partners, L.P.

San Diego, CA

Capital Guardian Trust Co.

Los Angeles, CA

Lazard Asset Management

New York, NY

McKinley Capital Management, Inc.

Anchorage, AK

Parametric Clifton

Seattle, WA

State Street Global Advisors

San Francisco, CA

International Small Cap

Mondrian Investment Partners

London, England

Schroders Investment Management NA

New York, NY

Emerging Market Income

Lazard Asset Management

New York, NY

NFJ Investment Group

Dallas, TX

International Fixed Income

Mondrian Investment Partners London, England

High Yield/Convertible Bond/Tactical Bond

MacKay Shields LLC

New York, NY

Advent Capital Management

New York, NY

Pyramis Global Advisors

Smithfield, RI

External Money Managers and Consultants (cont.)

Taxable Municipal Bonds

Guggenheim Partners LLC Santa Monica, CA Western Asset Management Company Pasadena, CA

Master Limited Partnerships

Advisory Research St. Louis, MO Tortoise Capital Advisors LLC Leawood, KS

Absolute Return

Allianz Global Investors New York, NY Crestline Investors, Inc. Fort Worth, TX Global Assets Management Inc. Los Angeles, CA KKR (formerly Prisma Capital Partners) New York, NY

Private Equity

Abbott Capital Management, L.P. New York, NY Pathway Capital Management, LLC Irvine, CA

Real Assets - Real Estate Core Separate Accounts

LaSalle Investment Management Chicago, IL Sentinel Real Estate Corporation New York, NY UBS Realty Investors, LLC San Francisco, CA

Real Assets - Commingled Real Estate Funds

Almanac Realty Investors Alpharetta, GA BlackRock Realty San Francisco, CA Colony Capital Los Angeles, CA Coventry Real Estate Fund II, LLC New York, NY Clarion Partners

New York, NY J.P. Morgan Investment Management Inc.

New York, NY

Silverpeake Real Estate Partners

New York, NY

Lowe Hospitality Investment Partners, LLC

Los Angeles, CA

Sentinel Real Estate Corporation

New York, NY

Tishman Speyer Properties

New York NY

UBS Realty Investors, LLC

Hartford, CT

Real Assets - Energy

EIG Global Energy Partners Washington, DC

Real Assets - Infrastructure

Brookfield Investment Management Encinitas, CA **Industry Funds Management** New York, NY JP Morgan Asset Management San Francisco, CA Lazard Asset Management New York, NY

Real Assets - Farmland and Timber

Hancock Agricultural Investment Group Boston, MA UBS AgriVest, LLC Hartford, CT Hancock Timber Resource Group Charlotte, NC Timberland Investment Resources LLC Brookline, MA

Supplemental Benefits System, **Deferred Compensation Plan and Defined Contribution Plan**

BlackRock San Francisco, CA Allianz Global Investors (formerly RCM) San Francisco, CA State Street Global Advisors Boston, MA T. Rowe Price Investment Services Baltimore, MD Brandes Investment Partners San Diego, CA

Global Master Custodian

State Street Bank & Trust Co. Boston, MA

Investment Consultants

Callan Associates, Inc. Denver, CO The Townsend Group San Francisco, CA

Investment Advisory Council

William Jennings Colorado Springs, CO Jerrold Mitchell Wayland, MA Robert Shaw San Francisco, CA

Independent Auditors

KPMG, LLP Anchorage, AK

Actuaries

Buck Consultants Denver, CO Gabriel Roeder Smith Denver, CO

Public Employees' Retirement System Investment Report

INVESTMENTS

The investment goals of the State of Alaska Public Employees' Retirement System (PERS) are the long term return and sustainability of the pension funds under management. Annually, the Alaska Retirement Management Board (ARMB) sets its asset allocation strategy in order to reflect changes in the marketplace while still retaining an expected optimal risk/return level within the set constraints and objectives of the ARMB.

The ARMB categorizes its investments into eight asset classes: domestic equities, global equities ex-U.S., alternative equity strategies, private equity, real assets, fixed income, absolute return, and cash equivalents. The performance of each asset class is compared with a benchmark comprised of one or more market indices. The performance for the total portfolio is compared with its policy portfolio, determined by calculating the weighted performance of the underlying asset class benchmarks at the portfolio's target asset allocation. The asset class benchmarks are illustrated below:

Asset Class	Benchmark
Domestic Equity	Russell 3000 Index
Global Equities Ex-U.S.	MSCI All Country World Ex-U.S. Index
Alternative Equities Strategies	50% S&P 500 Index
	30% CBOE Buy Write Index
	20% Bank of America Yield Alternative Index
Private Equity	1/3 S&P 500 Index
	1/3 Russell 2000 Index
	1/3 MSCI EAFE Index
Real Assets	50% NCREIF Property Index
	15% Barclays TIPS Index
	10% NCREIF Farmland Index
	10% NCREIF Timberland Index
	5% FTSE NAREIT All Equity REIT Index
	10% S&P Global Infrastructure
Fixed Income	80% Barclays Intermediate Treasury Index
	10% Bank of America Merrill Lynch US High Yield Master
	II Constrained Index
	7% Citigroup World Gov. Bond Ex-U.S. Index
	3% JP Morgan Global Bond Index - Emerging Markets
	Global Diversified Index
Absolute Return	91 Day Treasury Bill + 5%
Cash Equivalents	91 Day Treasury Bill

The target asset allocation is determined by the ARMB, utilizing capital market assumptions provided by its independent general investment consultant, Callan Associates. During the 2015 fiscal year, the ARMB's target asset allocation was 26% domestic equities, 25% global equities ex-U.S., 3% alternative equity strategies, 9% private equity, 17% real assets, 12% fixed income, 5% absolute return, and 3% cash equivalents. The target asset allocation is expected to generate a return of 7.22% with a standard deviation of 15.01%.

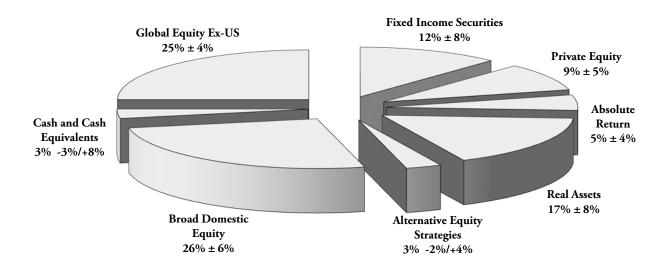
Investment Section

Public Employees' Retirement System Schedule of Investment Results Fiscal Years Ended June 30

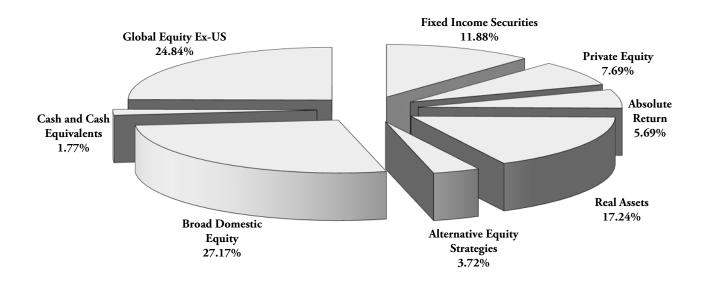
						Annu	alized
	2011	2012	2013	2014	2015	3 Year	5 Year
Total Fund PERS Actuarial Earnings Rate	21.22%	0.46%	12.50%	18.56%	3.29%	11.27%	10.89%
	8.00	8.00	8.00	8.00	8.00	8.00	8.00
U.S. Common Stock Returns PERS Domestic Equities Custom Composite Index	33.37	1.80	21.23	25.81	7.84	18.04	17.43
	32.37	3.84	21.46	25.22	7.29	17.73	17.54
Fixed Income PERS Custom Composite Index	5.46	4.90	0.57	5.14	(0.74)	1.63	3.03
	5.06	5.08	(0.04)	3.31	0.41	1.22	2.74
Real Assets PERS Custom Composite Index	15.25	10.46	10.47	13.28	3.70	9.07	10.51
	12.66	11.41	8.35	10.98	7.99	9.10	10.26
International Stock Returns PERS International Equities MSCI ACWI ex-US	28.27	(13.67)	15.01	23.43	(3.32)	11.13	8.73
	30.27	(14.15)	14.14	22.27	(4.85)	9.92	8.23
Private Equity PERS Custom Composite Index	20.14	9.44	11.61	24.19	13.77	16.40	15.70
	32.93	(3.61)	21.24	24.01	3.33	15.82	14.76
Absolute Return PERS 3-month Treasury Bill +5%	5.98	(2.05)	8.41	6.51	9.24	8.05	5.54
	5.16	5.06	5.11	5.05	5.02	5.06	5.08
Alternative Equity PERS Custom Composite Index	_ _	_ _	_ _	22.36 18.70	(0.89) 4.26	_ _	_
Cash Equivalents PERS 3-month Treasury Bill	0.47	0.44	0.25	0.27	0.28	0.26	0.34
	0.16	0.06	0.11	0.05	0.02	0.06	0.08

MSCI ACWI =Morgan Stanley Capital International All Country World Index Returns for periods longer than one year are reported on an annualized basis. Basis of calculation: Time-Weighed rate of return based on the market rate of return.

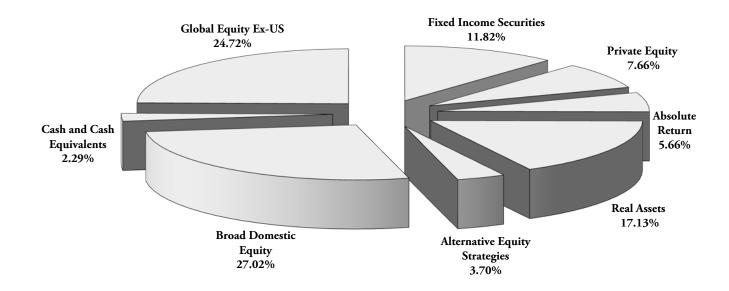
Policy



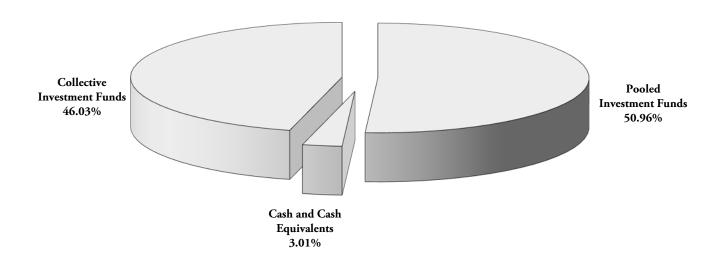
Actual - Defined Benefit Pension



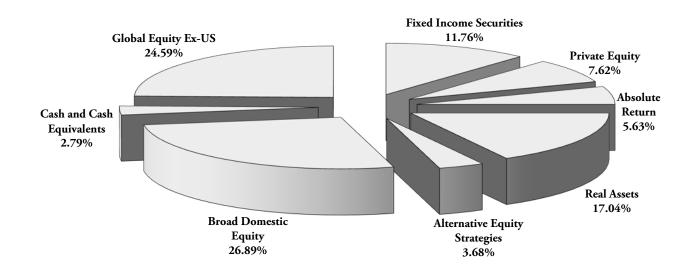
Actual – Defined Benefit Alaska Retiree Healthcare Trust



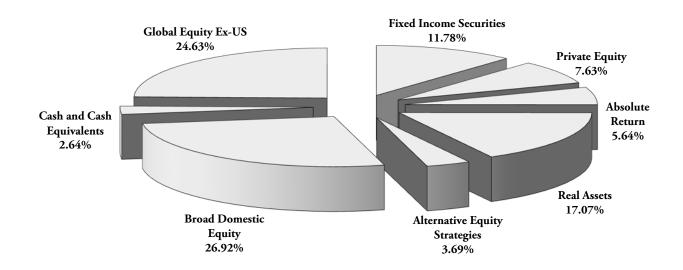
Actual - Defined Contribution Participant Directed



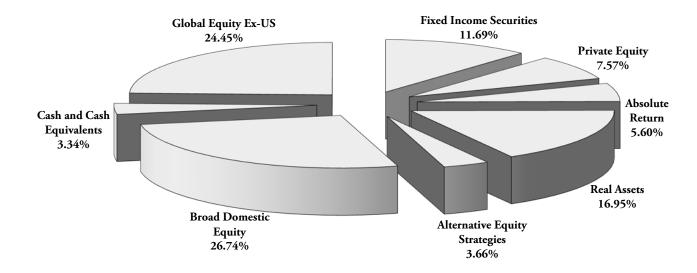
Actual — Health Reimbursement Arrangement



Actual — Occupational Death & Disability



Actual — Retiree Medical Plan



Alaska Retirement Management Board Top Ten Holdings by Asset Type June 30, 2015

Invested assets under the fiduciary responsibility of the Alaska Retirement Management Board (ARMB) have been commingled in various investment pools to minimize costs and maximize returns. Treasury Division has created twenty-six different mutual fund-like pools to accomplish the investment asset allocation policies of the ARMB. Using investment pools increases investment efficiency in three ways. First, combining individual funds' cash inflows and outflows to offset each other reduces the amount of cash on hand needed to support daily operations. Second, pooling investments significantly reduces accounting, budgeting, and administrative costs. Finally, the ARMB can achieve economies of scale by making available investment options that could not otherwise be practically provided for smaller retirement funds. Below are the ten largest fixed income and equity holdings.

Fixed Income

Rank	Largest Fixed Income Holding	gs Market Value	Par Value
1	US Treasury 1.750% 9/30/20	19 \$122,489,881	\$121,033,725
2	US Treasury 1.375% 2/29/20	20 100,098,022	100,973,666
3	US Treasury 0.875% 5/15/20	18 98,762,486	98,654,558
4	US Treasury 2.125% 5/15/20	25 59,302,629	60,397,331
5	US Treasury 0.750% 4/15/20	18 47,495,255	47,745,153
6	US Treasury 1.500% 2/28/20	19 46,591,585	46,201,735
7	US Treasury 1.250% 10/31/2	018 39,614,692	39,478,964
8	US Treasury 1.500% 8/31/20	18 37,339,178	36,858,288
9	US Treasury 1.250% 1/31/20	20 22,250,079	22,553,148
10	US Treasury 1.625% 4/30/20	19 20,749,394	20,520,143

Equities

Rank	Largest Equity Holdings	Market Value
1	Apple Inc.	\$121,467,596
2	Microsoft Corp.	69,740,309
3	Exxon Mobil Corp.	58,298,599
4	Wells Fargo & Co.	55,543,208
5	Pfizer Inc.	50,596,008
6	JPMorgan Chase & Co.	50,064,945
7	Johnson & Johnson	47,836,235
8	Citigroup Inc.	41,269,218
9	General Electric Co.	41,219,805
10	Procter & Gamble Co./The	39,459,716

Additional investment information may be obtained from the Department of Revenue, Treasury Division, P.O. Box 110405, Juneau, Alaska 99811-0405.

Public Employees' Retirement System Schedule of Investment Management Fees Year Ended June 30, 2015

		Total Fair Value	Fees
Fixed In			
*	unicipal Bond Pool Guggenheim Partners	\$ 73,787,990	\$ 176,016
*	Western Asset Management	76,625,219	191,233
То	tal Municipal Bond Pool	150,413,209	367,249
	gh Yield Pool		
*	Mackay Shields, LLC	412,089,270	1,889,261
Ta	ctical Fixed Income		
*	Pyramis Global Advisors	80,800,149	216,575
Int	ternational Fixed Income	/	
PJ F	Mondrian Investment Partners Comestic Equity Pools	254,362,926	1,028,317
*	Allianz Global Investors	243,040,323	682,407
*	Barrow, Hanley, Mewhinney & Strauss, INC (LC)	237,724,906	853,651
*	Barrow, Hanley, Mewhinney & Strauss, INC (SC)	74,433,811	416,381
*	DePrince, Race & Zollo IncMicro Cap	58,110,448	679,888
*	Frontier Capital Management	71,807,734	625,616
*	Jennison Associates LLC	74,775,663	628,245
*	Lazard Asset Management Lord Abbett & Co. (Micro)	259,267,683 79,185,206	704,790 757,920
*	Lord Abbett & Co. (SC)	76,685,363	549,439
*	Luther King Cap. Management	72,421,749	412,492
*	McKinley Capital	244,357,265	864,427
*	Quantitative Management Associates	227,748,735	736,135
*	SSgA Future Small Cap	7,970,910	8,002
*	SSgA Futures Large Cap SSgA Russell 1000 Growth	9,422,434	9,828
*	SSgA Russell 1000 Growth SSgA Russell 1000 Value	778,099,874 948,523,555	99,194 99,847
*	SSgA Russell 200	517,952,991	51,453
*	SSgA Russell 2000 Growth	13,156,606	6,427
*	SSgA Russell 2000 Value	43,221,047	22,377
*	SSgA Volatility - Russell 1000	65,856,764	28,645
*	SSgA Volatility - Russell 2000	65,403,073	28,102
*	Sycamore Capital Management Zebra Capital Management	77,257,126 49,725,565	618,293 5,831
То	tal Domestic Equities	4,296,148,831	8,889,390
	Equity Ex-U.S.	1,2,0,110,031	0,000,000
*	Allianz Global Investors	169,860,415	707,224
*	Arrow Street Capital	140,226,340	473,456
*	Baillie Gifford Overseas Limited	183,181,916	737,345
*	Blackrock ACWI Ex-US IMI	360,274,172	233,588
*	Brandes Investment Partners Capital Guardian Trust Co.	726,434,162 537,565,335	2,793,928 1,996,092
*	Lazard Freres	269,306,805	419,452
*	McKinley Capital Mgmt.	346,935,511	1,587,642
*	Mondrian Investment Partners	103,854,459	781,598
*	Schroder Investment Management	111,419,900	880,139
*	SSgA	558,324,134	299,905
	tal International Equities	3,507,383,149	10,910,369
	ive Equity Strategies ernative Equity Pool		
*	Analytic SSgA Account	189,712,126	255,398
*	Quantitative Management Associates MPS	131,263,331	109,268
**	Relational Investors, LLC	45,207,278	915,095
	tal Alternative Equity	366,182,735	1,279,761
Co	nvertible Bond Pool		
D	Advent Capital	131,194,257	779,946
*	Equity Pool Abbott Capital Management	514,907,624	1,399,418
**	Angelo Gordon & Co.	3,972,071	80,867
**	BlumCapital Partners-Strategic	1,955,670	124,132
**	Glendon Opportunities	13,212,819	78,964
**	Lexington Partners	31,738,949	274,001
**	Merit Capital Partners	9,446,963	189,474
**	Neuberger Berman Secondary Opportunities New Mountain Partners	11,303,318 3,601,187	413,506 414,936
**	New Mountain Partners NGP XI	1,481,826	214,397
**	Onex Partners	16,208,107	98,416
*	Pathway Capital Management	553,202,873	1,716,849
**	Warburg Pincus	29,743,443	337,087
То	tal Private Equities	1,190,774,850	5,342,047

Public Employees' Retirement System Schedule of Investment Management Fees (cont.) Year Ended June 30, 2015

	Total Fair Value	Fees
** Allian Clabal Inspector	4 - /	
Allianz Global Investors	\$ 140,267,387	\$ 3,021,408
Crestille lilvestois file.	141,386,457 250,493,615	1,001,158
** Global Asset Management ** Prisma Capital Partners	297,397,438	1,666,380 1,911,000
Total Absolute Return	829,544,897	7,599,946
al Assets	829,344,897	/,399,940
Real Estate Pool		
** Almanac Realty Securities IV	1,541,037	72,447
** Almanac Realty Securities V	11,529,172	158,560
** BlackRock Diamond	12,121,122	179,208
** Colony Investors VIII, L.P.	12,769,181	383,567
** Cornerstone	-	233,191
** Cornerstone Apartment Venture III	157,046	25,487
** Coventry	8,889,613	221,989
** ING Clarion Development Venture III	9,064,387	164,827
** ING Clarion Development Venture 4	7,572,088	3,946
** JPM Strategic	136,938,511	1,129,020
** KKR	25,872,000	226,217
** LaSalle Separate	103,196,431	563,754
** LaSalle Medical Office Fund II	2,078,156	53,132
** Lowe Hospitality	1,223,812	13,990
** Sentinel Separate	139,742,356	677,100
** Silverpeak Real Estate Partners II	29,757,809	219,283
** Silverpeak Real Estate Partners III	4,756,011	113,823
** Tishman Speyer Fund VI	24,970,908	259,910
** Tishman Speyer Fund VII	5,131,268	106,346
** UBS Consolidated	60,600,950	624,579
** UBS Separate	275,652,892	1,303,032
Total Real Estate	873,564,750	6,733,408
Infrastructure Public Pool		
* Brookfield Investment Management	83,500,944	510,978
* Lazard Asset Management	83,406,067	491,768
Total Infrastructure Public Pool	166,907,011	1,002,746
Master Limited Partnerships Pool		
* Advisory Research Inc	169,851,431	824,779
* Tortoise MLP	179,648,148	1,128,797
Total Master Limited Partnerships Pool	349,499,579	1,953,576
Energy Pool		
** EIG Energy Fund XV	24,507,584	309,919
LIG Energy Fund AD	4,611,428	52,666
Eld Elicigy Fulld AIV-A	29,307,122	450,252
Erd Energy I and AVI	9,280,819	444,732
Total Energy Pool	67,706,953	1,257,569
** Hancock Agriculture Investment Group	161 100 600	1.070.660
** Hancock Agriculture Investment Group ** UBS Agrivest	161,133,683	1,272,662
O DO TIGITO COL	350,935,761	2,695,954
Total Farmland	512,069,444	3,968,616
Timber Pool ** Hancock Natural Resource Group	65.550.006	(50.15/
Timireoest Timetaria Tessource Group	67,559,986	470,174
i iniberiand investment resources	187,698,647	1,433,325
Total Timber Pool	255,258,633	1,903,499
Custodian		750.067
* State Street Bank		750,067
Investment Advisory		156.762
* Callan Associates		156,762
investment Advisory Council		57,830
1 ownsend Group		70,363
Total Investment Advisory		284,955
Investment Performance		100 5 5 7
* Callan Associates		189,564
Total External Management Fees		\$ 56,346,861

^{*}These fees are paid through the Alaska Statewide Accounting System (AKSAS)

^{**}These fees are deducted from earnings by the fund manager and are not directly recorded in AKSAS

	Asset A	Asset Allocation		
Investments (at Fair Value)	Policy	Range	Fair Market Value	Assets
Cash and Cash Equivalents				
Short-term Fixed Income Pool	3.00%	-3%/+8%	\$ 152,381,388	
Total Cash and Cash Equivalents			152,381,388	1.77%
Fixed Income Securities				
U.S. Treasury Fixed Income Pool			474,205,244	
Taxable Municipal Bond Pool			81,663,166	
Tactical Fixed Income			43,868,460	
High Yield Pool			223,733,776	
International Fixed Income Pool			138,100,118	
Emerging Debt Pool			58,535,933	
Total Fixed Income Securities	12.00%	± 8%	1,020,106,697	11.88%
Broad Domestic Equity				
Large Cap Pool			1,917,609,903	
Small Cap Pool			414,887,998	
Total Broad Domestic Equity	26.00%	± 6%	2,332,497,901	27.17%
Global Equity Ex-U.S.				
International Equity Pool			1,787,369,819	
International Equity Small Cap Pool			116,877,942	
Frontier Markets Pool			1,957,899	
Emerging Markets Equity Pool			226,889,145	
Total Global Equity Ex-U.S.	25.00%	± 4%	2,133,094,805	24.84%
Alternative Equity Strategies				
Alternative Equity Strategies			248,197,576	
Convertible Bond Pool			71,228,709	
Total Alternative Equities	3.00%	-2%/+4%	319,426,285	3.72%
Private Equity				
Private Equity Pool			660,679,665	
Total Private Equity	9.00%	± 5%	660,679,665	7.69%
Absolute Return Absolute Return Pool			488,351,815	
Total Absolute Return	5.00%	± 4%	488,351,815	5.69%
1 otal Absolute Return	3.00%	± 470	400,331,013	3.0370
Real Assets				
Real Estate Pool			476,473,855	
Real Estate Investment Trust Pool			117,787,050	
Infrastructure Private Pool			103,834,155	
Infrastructure Public Pool			90,618,072	
Master Limited Partnership Pool			189,752,233	
Energy Pool			36,759,831	
Farmland Pool			278,015,559	
Timber Pool			138,586,419	
Treasury Inflation Protected Securities Pool			48,123,779	
Total Real Assets	17.00%	± 8%	1,479,950,953	17.24%
Total Invested Assets	100.00%		\$ 8,586,489,509	100.00%

	Defined Benefit - Alaska Retiree Health Care Trust					
	Asset A	Asset Allocation				
Investments (at Fair Value)	Policy	Range	Fair Market Value	% of Tota Assets		
Cash and Cash Equivalents						
Short-term Fixed Income Pool	3.00%	-3%/+8%	\$ 160,558,779			
Total Cash and Cash Equivalents			160,558,779	2.29%		
Fixed Income Securities						
U.S. Treasury Fixed Income Pool			385,311,335			
Taxable Municipal Bond Pool			66,354,695			
Tactical Fixed Income			35,644,936			
High Yield Pool			181,792,925			
International Fixed Income Pool			112,212,049			
Emerging Debt Pool			47,562,864			
Total Fixed Income Securities	12.00%	± 8%	828,878,804	11.82%		
Broad Domestic Equity						
Large Cap Pool			1,558,137,194			
Small Cap Pool			337,113,621			
Total Broad Domestic Equity	26.00%	± 6%	1,895,250,815	27.02%		
Global Equity Ex-U.S.						
International Equity Pool			1,452,311,750			
International Equity Small Cap Pool			94,968,150			
Frontier Markets Pool			1,590,871			
Emerging Markets Equity Pool			184,356,792			
Total Global Equity Ex-U.S.	25.00%	± 4%	1,733,227,563	24.72%		
Alternative Equity Strategies						
Alternative Equity Strategies			201,670,773			
Convertible Bond Pool			57,876,264			
Total Alternative Equities	3.00%	-2%/+4%	259,547,037	3.70%		
Private Equity						
Private Equity Pool			536,829,495			
Total Private Equity	9.00%	± 5%	536,829,495	7.66%		
Absolute Return						
Absolute Return Pool			396,806,009			
Total Absolute Return	5.00%	± 4%	396,806,009	5.66%		
Real Assets						
Real Estate Pool			385,733,074			
Real Estate Investment Trust Pool			95,706,842			
Infrastructure Private Pool			84,369,539			
Infrastructure Public Pool			73,630,926			
Master Limited Partnership Pool			154,181,523			
Energy Pool			29,868,882			
Farmland Pool			225,899,119			
Timber Pool			112,607,188			
Treasury Inflation Protected Securities Pool			39,102,559			
Total Real Assets	17.00%	± 8%	1,201,099,652	17.13%		
Total Invested Assets	100.00%		\$ 7,012,198,154	100.00%		

Defined Contribution - Participant Directed

	Asset Allocation			
Investments (at Fair Value)	Policy	Range	Fair Market Value	% of Total Assets
Cash and Cash Equivalents	<u> </u>	Runge	Tair Market Variet	Assets
Short-term Fixed Income Pool	100.00%	0%	\$ 18,083,070	
Total Cash and Cash Equivalents	100.0070	0 70	18,083,070	3.01%
Pooled Investment Funds (1)			10,003,070	3.0170
T. Rowe Price				
			1,862,149	
Target 2010 Trust Target 2015 Trust			8,327,057	
Target 2020 Trust			17,577,899	
Target 2025 Trust			25,215,065	
Target 2030 Trust			26,396,139	
Target 2035 Trust			30,279,374	
Target 2040 Trust			36,779,493	
			45,422,526	
Target 2045 Trust Target 2050 Trust			53,074,196	
-				
Target 2055 Trust Alaska Balanced Fund			30,181,835 4,091,491	
Long-Term Balanced Fund Alaska Money Market			21,981,048	
Total Pooled Investment Funds			4,766,551	50.000/
			305,954,823	50.96%
Collective Investment Funds (1)				
State Street Global Advisors			1 505 571	
Money Market Fund			1,505,571	
S&P Stock Index Fund			36,708,397	
Russell 3000 Index			36,227,061	
Real Estate Investment Trust Index			9,277,992	
World Equity Ex-U.S. Index			29,686,386	
Long U.S. Treasury Bond Index			650,551	
Treasury Inflation Protected Securities Index			4,091,598	
World Government Bond Ex-U.S. Index			7,874,406	
Global Balanced Fund			22,188,774	
Barclays				
Daily Government/Corporate Bond Fund			36,844,901	
Intermediate Bond Fund			508,387	
Brandes Institutional				
Alaska International Equity Fund			36,016,071	
RCM				
Socially Responsible Fund			2,833,436	
T. Rowe Price				
Small-Cap Fund			52,000,312	
Total Collective Investment Funds			276,413,843	46.03%
Total Invested Assets			\$600,451,736	100.00%

⁽¹⁾ Pooled Investment Funds and Collective Investment Funds are participant directed and therefore are not subject to an asset allocation.

	Asset A	Allocation			% of Total
Investments (at Fair Value)	Policy	Range	Fair Mark	et Value	Assets
Cash and Cash Equivalents					
Short-term Fixed Income Pool	3.00%	-3%/+8%	\$ 5	,353,444	
Total Cash and Cash Equivalents			5	,353,444	2.79%
Fixed Income Securities					
U.S. Treasury Fixed Income Pool			10.	,495,926	
Taxable Municipal Bond Pool			1.	,807,510	
Tactical Fixed Income				970,972	
High Yield Pool			4.	,952,061	
International Fixed Income Pool			3.	,056,669	
Emerging Debt Pool			1	,295,618	
Total Fixed Income Securities	12.00%	± 8%	22	,578,756	11.76%
Broad Domestic Equity					
Large Cap Pool			42.	,443,840	
Small Cap Pool			9.	,183,015	
Total Broad Domestic Equity	26.00%	± 6%	51	,626,855	26.89%
Global Equity Ex-U.S.					
International Equity Pool			39.	,561,142	
International Equity Small Cap Pool			2.	,586,943	
Frontier Markets Pool				43,336	
Emerging Markets Equity Pool			5.	,021,900	
Total Global Equity Ex-U.S.	25.00%	± 4%	47.	,213,321	24.59%
Alternative Equity Strategies					
Alternative Equity Strategies			5.	,493,536	
Convertible Bond Pool			1.	,576,556	
Total Alternative Equities	3.00%	-2%/+4%	7.	,070,092	3.68%
Private Equity					
Private Equity Pool			14.	,623,299	
Total Private Equity	9.00%	± 5%	14	,623,299	7.62%
Absolute Return					
Absolute Return Pool			10.	,809,042	
Total Absolute Return	5.00%	± 4%	10	,809,042	5.63%
Real Assets					
Real Estate Pool			10.	,507,414	
Real Estate Investment Trust Pool			2.	,607,066	
Infrastructure Private Pool			2.	,298,237	
Infrastructure Public Pool			2.	,005,715	
Master Limited Partnership Pool			4.	,199,922	
Energy Pool				813,632	
Farmland Pool			6.	,153,518	
Timber Pool			3.	,067,433	
Treasury Inflation Protected Securities Pool			1	,065,159	
Total Real Assets	17.00%	± 8%	32.	,718,096	17.04%
Total Invested Assets	100.00%		\$ 191,	,992,905	100.00%

	Occupation				
	Asset A	Allocation		•	% of Total
Investments (at Fair Value)	Policy	Range	Fair	Market Value	Assets
Cash and Cash Equivalents					
Short-term Fixed Income Pool	3.00%	-3%/+8%	\$	502,206	
Total Cash and Cash Equivalents				502,206	2.64%
Fixed Income Securities					
U.S. Treasury Fixed Income Pool				1,042,759	
Taxable Municipal Bond Pool				179,573	
Tactical Fixed Income				96,465	
High Yield Pool				491,981	
International Fixed Income Pool				303,677	
Emerging Debt Pool				128,718	
Total Fixed Income Securities	12.00%	± 8%		2,243,173	11.78%
Broad Domestic Equity					
Large Cap Pool				4,216,748	
Small Cap Pool				912,322	
Total Broad Domestic Equity	26.00%	± 6%		5,129,070	26.92%
Global Equity Ex-U.S.					
International Equity Pool				3,930,355	
International Equity Small Cap Pool				257,010	
Frontier Markets Pool				4,305	
Emerging Markets Equity Pool				498,921	
Total Global Equity Ex-U.S.	25.00%	± 4%		4,690,591	24.63%
Alternative Equity Strategies					
Alternative Equity Strategies				545,777	
Convertible Bond Pool				156,628	
Total Alternative Equities	3.00%	-2%/+4%		702,405	3.69%
Private Equity					
Private Equity Pool				1,452,808	
Total Private Equity	9.00%	± 5%	-	1,452,808	7.63%
Absolute Return					
Absolute Return Pool				1,073,867	
Total Absolute Return	5.00%	± 4%		1,073,867	5.64%
Real Assets					
Real Estate Pool				1,043,899	
Real Estate Investment Trust Pool				259,009	
Infrastructure Private Pool				228,327	
Infrastructure Public Pool				199,265	
Master Limited Partnership Pool				417,258	
Energy Pool				80,833	
Farmland Pool				611,345	
Timber Pool				304,747	
Treasury Inflation Protected Securities Pool				105,823	
Total Real Assets	17.00%	± 8%	-	3,250,506	17.07%
Total Invested Assets	100.00%		\$	19,044,626	100.00%

	Asset A		% of Total	
Investments (at Fair Value)	Policy	Range	Fair Market Value	Assets
Cash and Cash Equivalents				
Short-term Fixed Income Pool	3.00%	-3%/+8%	\$ 1,455,419	
Total Cash and Cash Equivalents			1,455,419	3.34%
Fixed Income Securities				
U.S. Treasury Fixed Income Pool			2,370,727	
Taxable Municipal Bond Pool			408,265	
Tactical Fixed Income			219,315	
High Yield Pool			1,118,527	
International Fixed Income Pool			690,413	
Emerging Debt Pool			292,643	
Total Fixed Income Securities	12.00%	± 8%	5,099,890	11.69%
Broad Domestic Equity				
Large Cap Pool			9,586,840	
Small Cap Pool			2,074,179	
Total Broad Domestic Equity	26.00%	± 6%	11,661,019	26.74%
Global Equity Ex-U.S.				
International Equity Pool			8,935,722	
International Equity Small Cap Pool			584,316	
Frontier Markets Pool			9,788	
Emerging Markets Equity Pool			1,134,302	
Total Global Equity Ex-U.S.	25.00%	± 4%	10,664,128	24.45%
Alternative Equity Strategies				
Alternative Equity Strategies			1,240,831	
Convertible Bond Pool			356,099	
Total Alternative Equities	3.00%	-2%/+4%	1,596,930	3.66%
Private Equity				
Private Equity Pool			3,302,981	
Total Private Equity	9.00%	± 5%	3,302,981	7.57%
Absolute Return				
Absolute Return Pool			2,441,451	
Total Absolute Return	5.00%	± 4%	2,441,451	5.60%
Real Assets				
Real Estate Pool			2,373,322	
Real Estate Investment Trust Pool			588,861	
Infrastructure Private Pool			519,105	
Infrastructure Public Pool			453,034	
Master Limited Partnership Pool			948,641	
Energy Pool			183,776	
Farmland Pool			1,389,902	
Timber Pool			692,845	
Treasury Inflation Protected Securities Pool			240,588	
Total Real Assets	17.00%	± 8%	7,390,074	16.95%
Total Invested Assets	100.00%		\$ 43,611,892	100.00%

Investment Section

Public Employees' Retirement System Recaptured Commission Fees Year Ended June 30, 2015

Fund	Domestic Equity Pool	International Equity Pool	Total
Defined Benefit Plan - Pension	\$3,556	\$2,431	\$5,987
Postemployment Benefit - Alaska Retiree Healthcare Trust	2,890	1,975	4,865
Postemployment Benefit - Health Reimbursement Arrangement	79	54	133
Postemployment Benefit - Occupational Death & Disability	7	6	13
Postemployment Benefit - Retiree Medical Pan	18	12	30
Total Recapture Commission Fees	\$6,550	\$4,478	\$11,028

The ARMB's Commission Recapture program has been in place since 1995, first working with various brokers then switching to the State Street program in 2005. Under a commission recapture program a portion of the commissions and mark-ups on trades (placed through the State Street broker network) flow directly back to the fund.

The program allows managers to place trades for commission recapture purposes. The ARMB has established direction percentages for the managers to strive for, but is only requiring best efforts to meet them given their fiduciary obligation to achieve best execution of transactions.

The current rebate arrangement with State Street Global Markets (SSGM) is: 90% of the commissions received in excess of executing the brokers' execution-only rates; 100% of commissions in excess of its execution-only rates for all trading directed through SSGM.