

**ALASKA RETIREMENT MANAGEMENT BOARD
FINANCIAL REPORT**

As of December 31, 2017

ALASKA RETIREMENT MANAGEMENT BOARD
Schedule of Investment Income and Changes in Invested Assets by Fund
Fiscal Year-to-Date through December 31, 2017

| | Beginning Invested Assets | Investment Income ⁽¹⁾ | Net Contributions (Withdrawals) | Ending Invested Assets | % Change in Invested Assets | % Change due to Investment Income ⁽²⁾ |
|--|------------------------------|----------------------------------|------------------------------------|---------------------------|--------------------------------|--|
| <u>Public Employees' Retirement System (PERS)</u> | | | | | | |
| Defined Benefit Plans: | | | | | | |
| Retirement Trust | \$ 8,922,461,847 | \$ 601,122,783 | \$ (159,072,915) | \$ 9,364,511,715 | 4.95% | 6.80% |
| Retirement Health Care Trust | 7,371,307,996 | 495,612,116 | (151,641,597) | 7,715,278,515 | 4.67% | 6.79% |
| Total Defined Benefit Plans | 16,293,769,843 | 1,096,734,899 | (310,714,512) | 17,079,790,230 | 4.82% | 6.80% |
| Defined Contribution Plans: | | | | | | |
| Participant Directed Retirement | 860,873,883 | 74,238,005 | 45,348,829 | 980,460,717 | 13.89% | 8.40% |
| Health Reimbursement Arrangement | 292,327,555 | 20,446,524 | 18,271,079 | 331,045,158 | 13.24% | 6.78% |
| Retiree Medical Plan | 80,644,156 | 5,665,456 | 5,600,491 | 91,910,103 | 13.97% | 6.79% |
| Defined Benefit Occupational Death and Disability: | | | | | | |
| Public Employees | 17,976,260 | 1,243,747 | 693,381 | 19,913,388 | 10.78% | 6.79% |
| Police and Firefighters | 8,626,606 | 592,854 | 207,313 | 9,426,773 | 9.28% | 6.79% |
| Total Defined Contribution Plans | 1,260,448,460 | 102,186,586 | 70,121,093 | 1,432,756,139 | 13.67% | 7.89% |
| Total PERS | 17,554,218,303 | 1,198,921,485 | (240,593,419) | 18,512,546,369 | 5.46% | 6.88% |
| <u>Teachers' Retirement System (TRS)</u> | | | | | | |
| Defined Benefit Plans: | | | | | | |
| Retirement Trust | 5,308,501,928 | 358,709,718 | (90,969,051) | 5,576,242,595 | 5.04% | 6.82% |
| Retirement Health Care Trust | 2,768,186,277 | 186,165,689 | (53,617,609) | 2,900,734,357 | 4.79% | 6.79% |
| Total Defined Benefit Plans | 8,076,688,205 | 544,875,407 | (144,586,660) | 8,476,976,952 | 4.96% | 6.81% |
| Defined Contribution Plans: | | | | | | |
| Participant Directed Retirement | 367,437,623 | 31,526,364 | 12,491,550 | 411,455,537 | 11.98% | 8.44% |
| Health Reimbursement Arrangement | 87,760,833 | 6,068,404 | 4,043,790 | 97,873,027 | 11.52% | 6.76% |
| Retiree Medical Plan | 30,598,161 | 2,114,025 | 1,265,995 | 33,978,181 | 11.05% | 6.77% |
| Defined Benefit Occupational Death and Disability | 3,532,341 | 239,717 | (13,519) | 3,758,539 | 6.40% | 6.80% |
| Total Defined Contribution Plans | 489,328,958 | 39,948,510 | 17,787,816 | 547,065,284 | 11.80% | 8.02% |
| Total TRS | 8,566,017,163 | 584,823,917 | (126,798,844) | 9,024,042,236 | 5.35% | 6.88% |
| <u>Judicial Retirement System (JRS)</u> | | | | | | |
| Defined Benefit Plan Retirement Trust | 162,899,812 | 11,238,327 | 2,836,332 | 176,974,471 | 8.64% | 6.84% |
| Defined Benefit Retirement Health Care Trust | 30,014,394 | 2,030,128 | (389,121) | 31,655,401 | 5.47% | 6.81% |
| Total JRS | 192,914,206 | 13,268,455 | 2,447,211 | 208,629,872 | 8.15% | 6.83% |
| <u>National Guard/Naval Militia Retirement System (MRS)</u> | | | | | | |
| Defined Benefit Plan Retirement Trust | 38,151,192 | 1,898,542 | 207,218 | 40,256,952 | 5.52% | 4.96% |
| <u>Other Participant Directed Plans</u> | | | | | | |
| Supplemental Annuity Plan | 3,691,373,402 | 226,666,769 | (15,598,254) | 3,902,441,917 | 5.72% | 6.15% |
| Deferred Compensation Plan | 877,970,832 | 59,393,604 | (5,417,909) | 931,946,527 | 6.15% | 6.79% |
| Total All Funds | 30,920,645,098 | 2,084,972,772 | (385,753,997) | 32,619,863,873 | | |
| Total Non-Participant Directed | 25,122,989,358 | 1,693,148,030 | (422,578,213) | 26,393,559,175 | 5.06% | 6.80% |
| Total Participant Directed | 5,797,655,740 | 391,824,742 | 36,824,216 | 6,226,304,698 | 7.39% | 6.74% |
| Total All Funds | \$ 30,920,645,098 | \$ 2,084,972,772 | \$ (385,753,997) | \$ 32,619,863,873 | 5.50% | 6.79% |

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: <http://www.revenue.state.ak.us/treasury/programs/programs/other/armb/investmentresults.aspx>

ALASKA RETIREMENT MANAGEMENT BOARD
Schedule of Investment Income and Changes in Invested Assets by Fund
For the Month Ended December 31, 2017

| | Beginning Invested Assets | Investment Income ⁽¹⁾ | Net Contributions (Withdrawals) | Ending Invested Assets | % Change in Invested Assets | % Change due to Investment Income ⁽²⁾ |
|--|------------------------------|----------------------------------|------------------------------------|---------------------------|--------------------------------|--|
| <u>Public Employees' Retirement System (PERS)</u> | | | | | | |
| <u>Defined Benefit Plans:</u> | | | | | | |
| Retirement Trust | \$ 9,302,152,566 | \$ 100,339,969 | \$ (37,980,820) | \$ 9,364,511,715 | 0.67% | 1.08% |
| Retirement Health Care Trust | 7,658,032,429 | 82,088,445 | (24,842,359) | 7,715,278,515 | 0.75% | 1.07% |
| Total Defined Benefit Plans | 16,960,184,995 | 182,428,414 | (62,823,179) | 17,079,790,230 | 0.71% | 1.08% |
| <u>Defined Contribution Plans:</u> | | | | | | |
| Participant Directed Retirement | 963,124,627 | 9,512,160 | 7,823,930 | 980,460,717 | 1.80% | 0.98% |
| Health Reimbursement Arrangement | 324,361,629 | 3,498,412 | 3,185,117 | 331,045,158 | 2.06% | 1.07% |
| Retiree Medical Plan | 90,016,495 | 971,138 | 922,470 | 91,910,103 | 2.10% | 1.07% |
| <u>Defined Benefit Occupational Death and Disability:</u> | | | | | | |
| Public Employees | 19,586,658 | 210,832 | 115,898 | 19,913,388 | 1.67% | 1.07% |
| Police and Firefighters | 9,291,868 | 99,868 | 35,037 | 9,426,773 | 1.45% | 1.07% |
| Total Defined Contribution Plans | 1,406,381,277 | 14,292,410 | 12,082,452 | 1,432,756,139 | 1.88% | 1.01% |
| Total PERS | 18,366,566,272 | 196,720,824 | (50,740,727) | 18,512,546,369 | 0.79% | 1.07% |
| <u>Teachers' Retirement System (TRS)</u> | | | | | | |
| <u>Defined Benefit Plans:</u> | | | | | | |
| Retirement Trust | 5,547,885,564 | 59,792,390 | (31,435,359) | 5,576,242,595 | 0.51% | 1.08% |
| Retirement Health Care Trust | 2,878,277,916 | 30,854,621 | (8,398,180) | 2,900,734,357 | 0.78% | 1.07% |
| Total Defined Benefit Plans | 8,426,163,480 | 90,647,011 | (39,833,539) | 8,476,976,952 | 0.60% | 1.08% |
| <u>Defined Contribution Plans:</u> | | | | | | |
| Participant Directed Retirement | 403,358,399 | 4,029,942 | 4,067,196 | 411,455,537 | 2.01% | 0.99% |
| Health Reimbursement Arrangement | 95,775,588 | 1,032,917 | 1,064,522 | 97,873,027 | 2.19% | 1.07% |
| Retiree Medical Plan | 33,302,261 | 358,904 | 317,016 | 33,978,181 | 2.03% | 1.07% |
| Defined Benefit Occupational Death and Disability | 3,730,883 | 39,957 | (12,301) | 3,758,539 | 0.74% | 1.07% |
| Total Defined Contribution Plans | 536,167,131 | 5,461,720 | 5,436,433 | 547,065,284 | 2.03% | 1.01% |
| Total TRS | 8,962,330,611 | 96,108,731 | (34,397,106) | 9,024,042,236 | 0.69% | 1.07% |
| <u>Judicial Retirement System (JRS)</u> | | | | | | |
| Defined Benefit Plan Retirement Trust | 175,631,127 | 1,896,212 | (552,868) | 176,974,471 | 0.76% | 1.08% |
| Defined Benefit Retirement Health Care Trust | 31,504,986 | 337,134 | (186,719) | 31,655,401 | 0.48% | 1.07% |
| Total JRS | 207,136,113 | 2,233,346 | (739,587) | 208,629,872 | 0.72% | 1.08% |
| <u>National Guard/Naval Militia Retirement System (MRS)</u> | | | | | | |
| Defined Benefit Plan Retirement Trust | 40,139,615 | 280,858 | (163,521) | 40,256,952 | 0.29% | 0.70% |
| <u>Other Participant Directed Plans</u> | | | | | | |
| Supplemental Annuity Plan | 3,875,051,510 | 29,269,417 | (1,879,010) | 3,902,441,917 | 0.71% | 0.76% |
| Deferred Compensation Plan | 926,366,225 | 6,489,261 | (908,959) | 931,946,527 | 0.60% | 0.70% |
| Total All Funds | 32,377,590,346 | 331,102,437 | (88,828,910) | 32,619,863,873 | | |
| Total Non-Participant Directed | 26,209,689,585 | 281,801,657 | (97,932,067) | 26,393,559,175 | 0.70% | 1.08% |
| Total Participant Directed | 6,167,900,761 | 49,300,780 | 9,103,157 | 6,226,304,698 | 0.95% | 0.80% |
| Total All Funds | \$ 32,377,590,346 | \$ 331,102,437 | \$ (88,828,910) | \$ 32,619,863,873 | 0.75% | 1.02% |

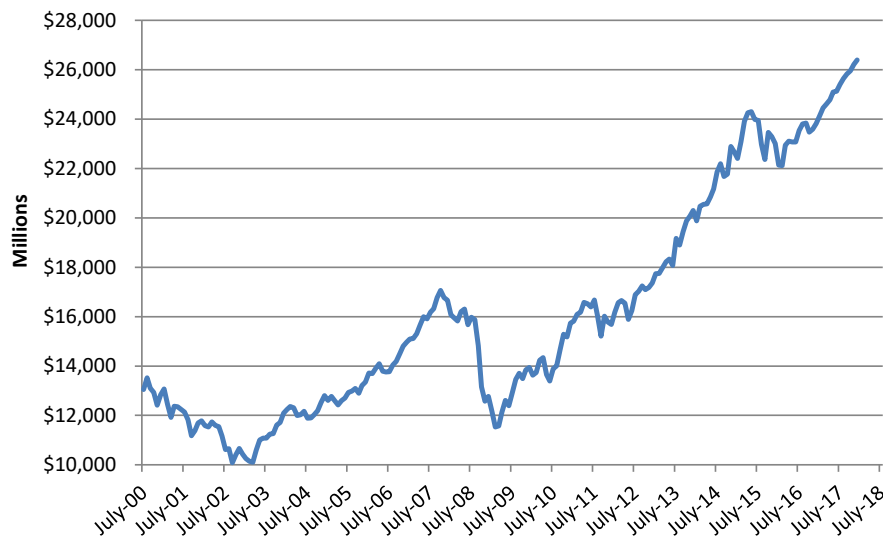
Notes:

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

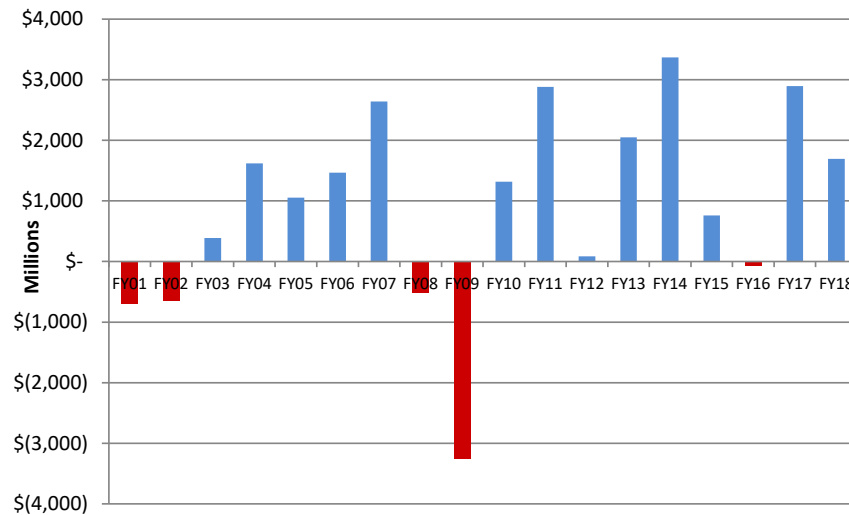
(2) Income divided by beginning assets plus half of net contributions/(withdrawals). Actual returns are calculated by Callan and Associates and can be found at: <http://www.revenue.state.ak.us/treasury/programs/programs/other/armb/investmentresults.aspx>

Total Non Participant Directed Assets As of December 31, 2017

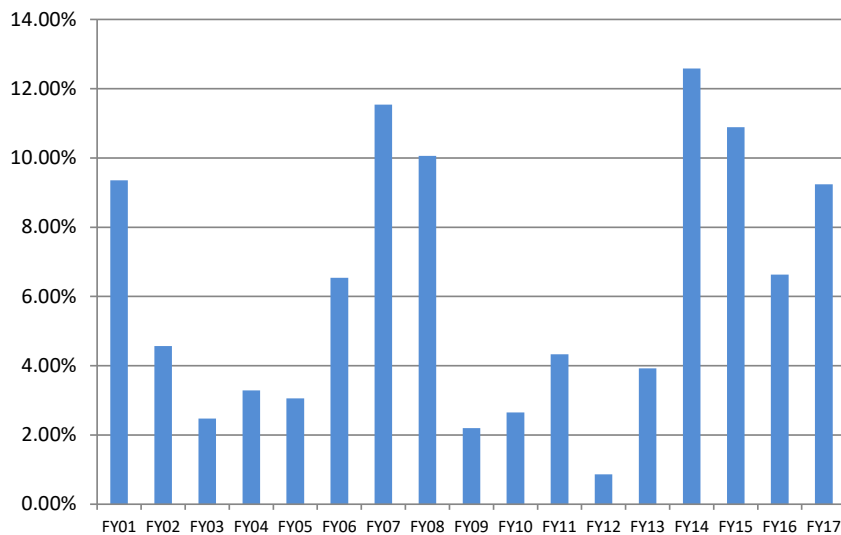
Total Assets History



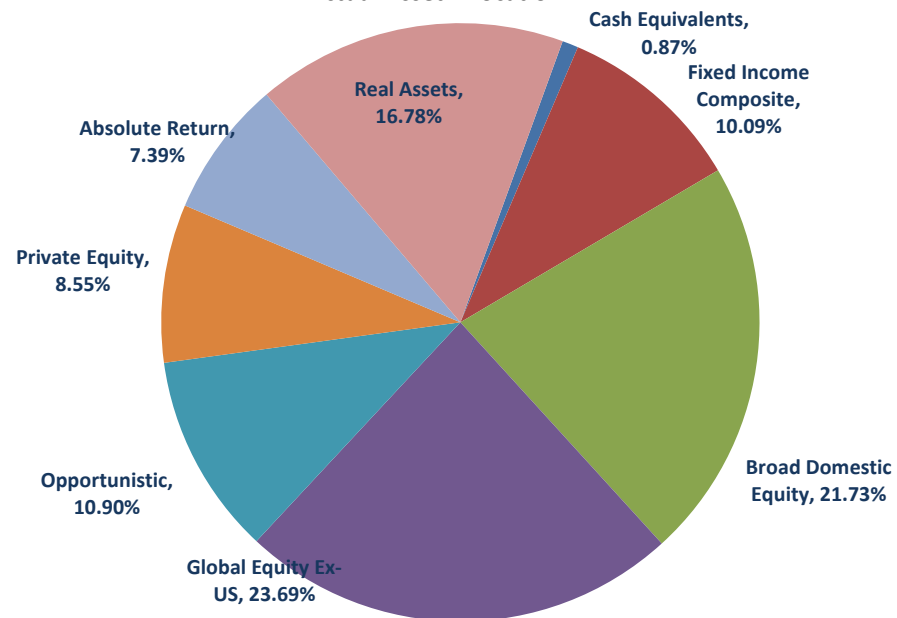
Income by Fiscal Year



5-year Annualized Returns as of Fiscal Year End



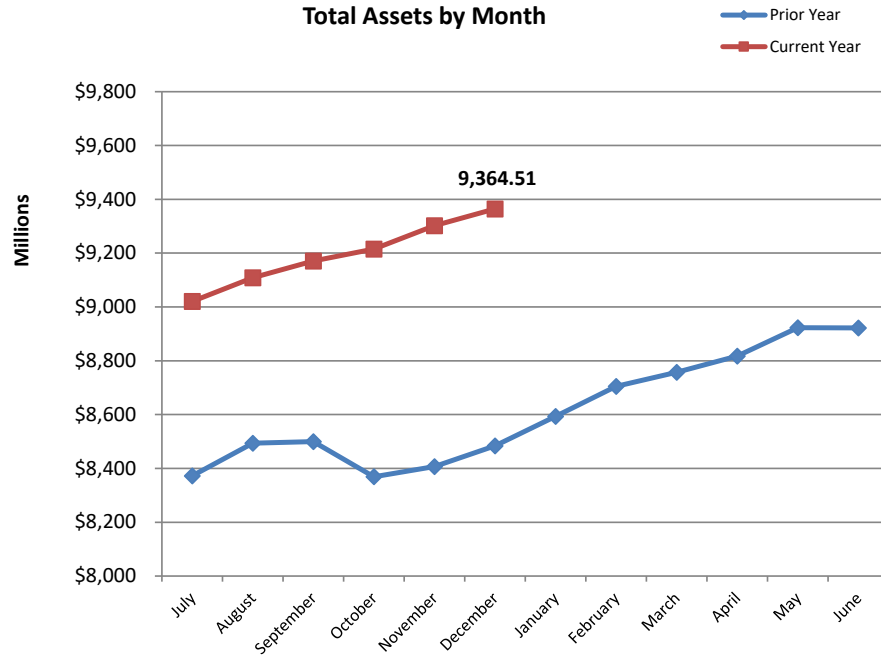
Actual Asset Allocation



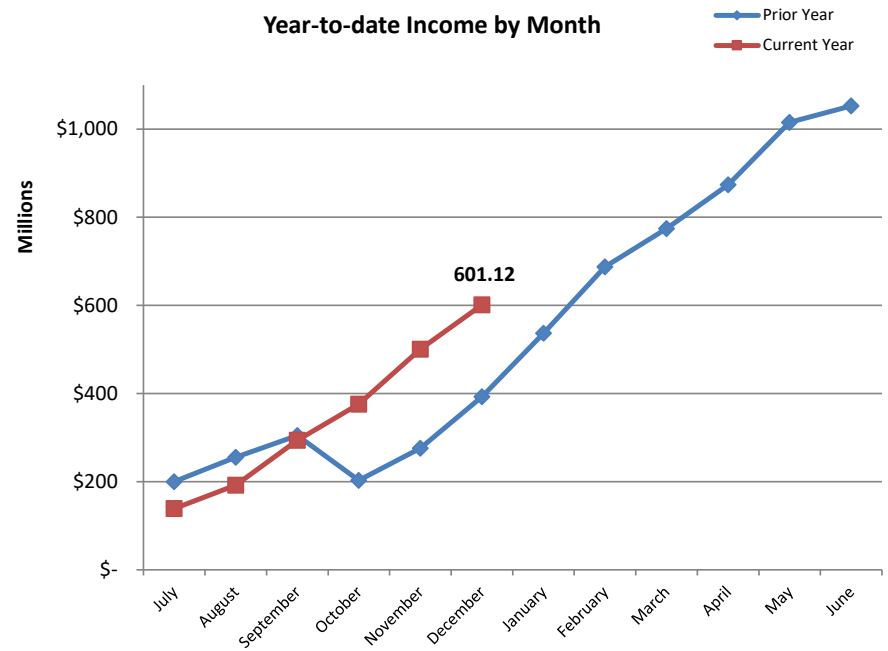
Public Employees' Retirement Pension Trust Fund

Fiscal Year-to-Date through December 31, 2017

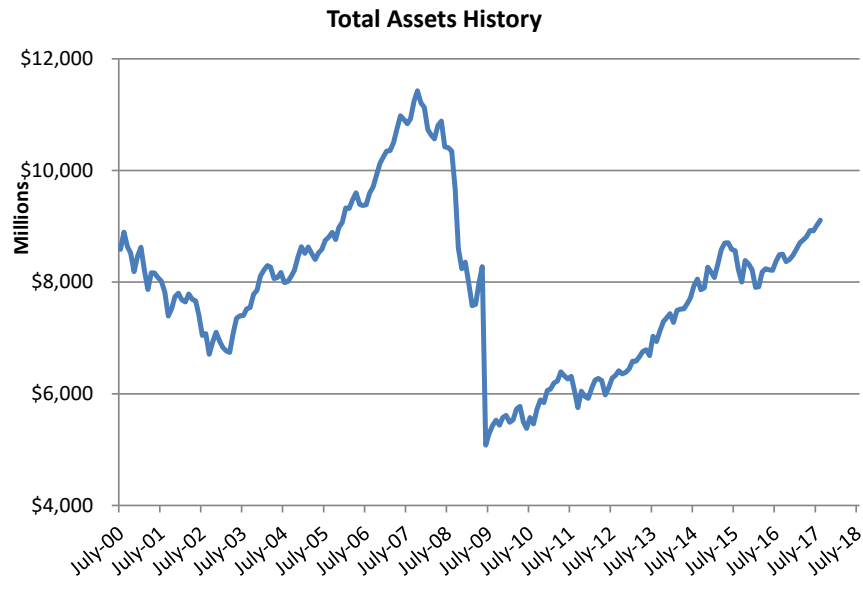
Total Assets by Month



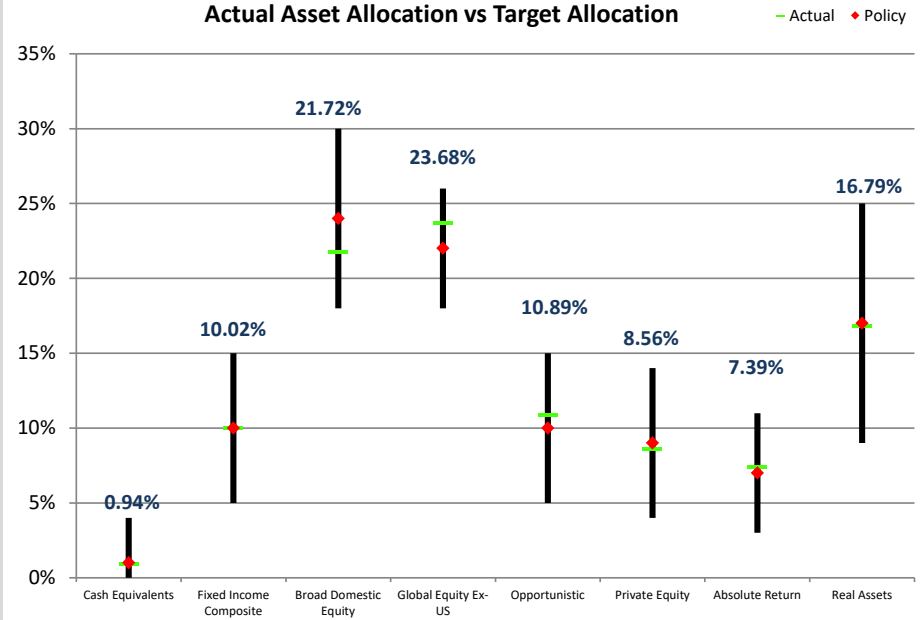
Year-to-date Income by Month



Total Assets History



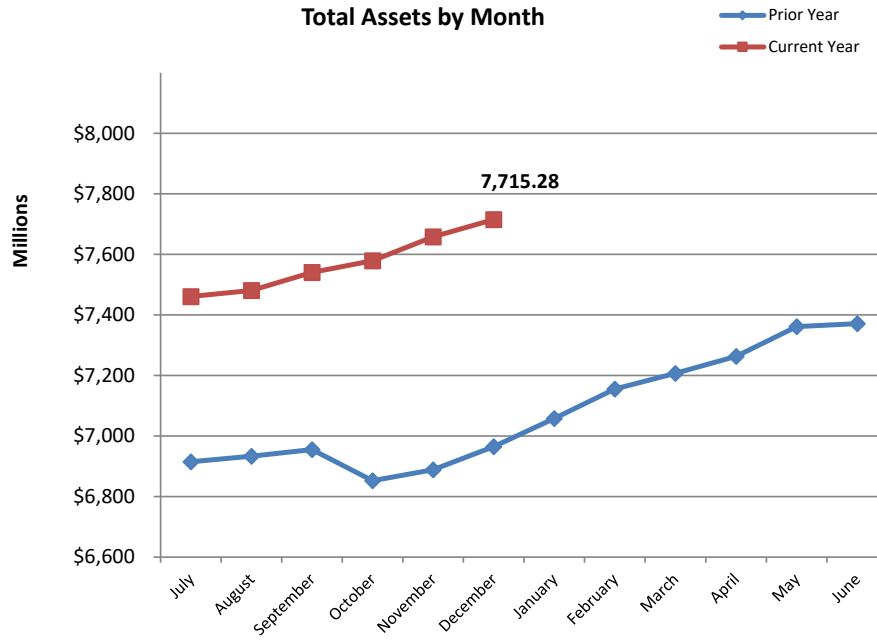
Actual Asset Allocation vs Target Allocation



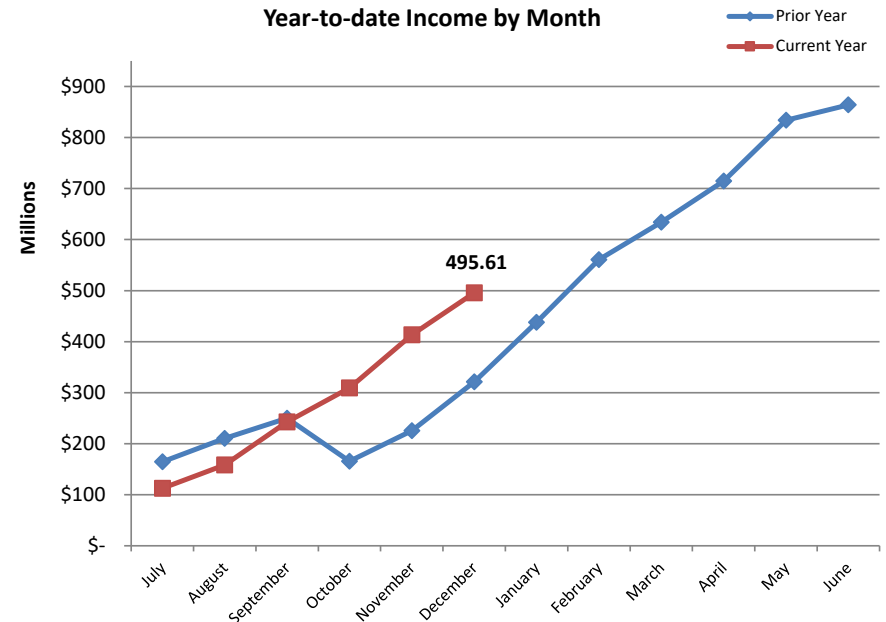
Public Employees' Retirement Health Care Trust Fund

Fiscal Year-to-Date through December 31, 2017

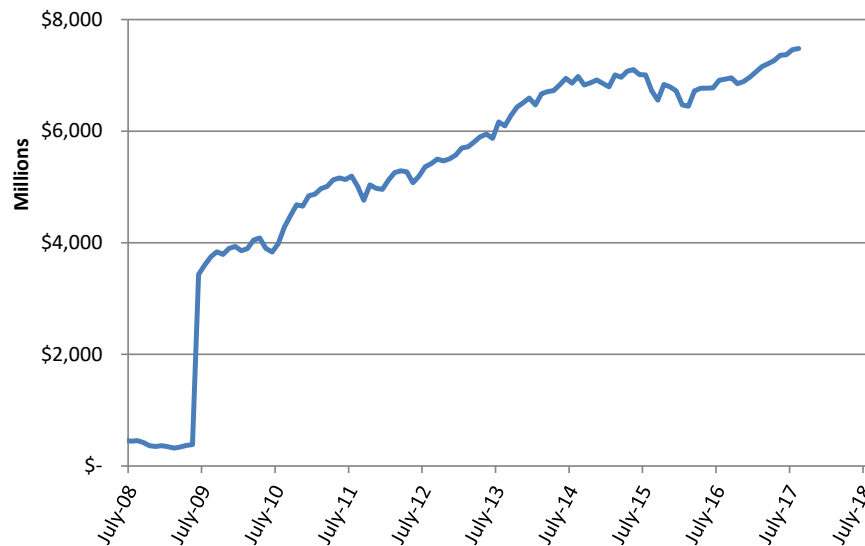
Total Assets by Month



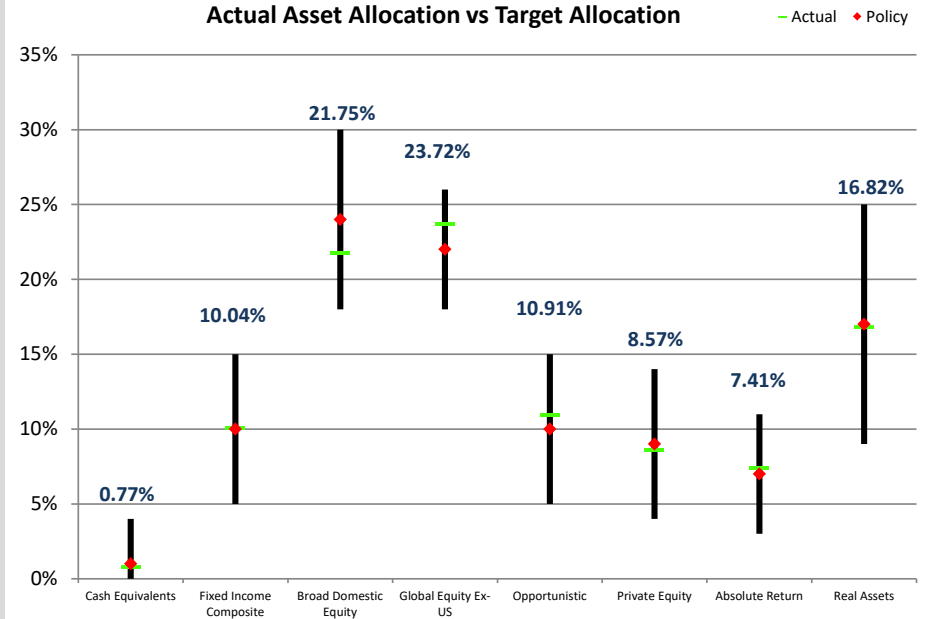
Year-to-date Income by Month



Total Assets History

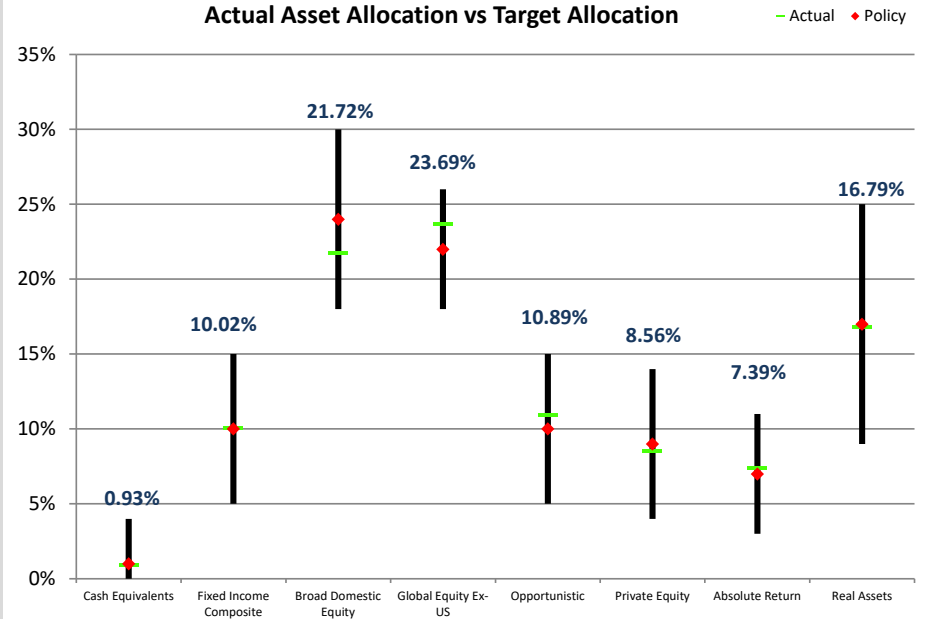
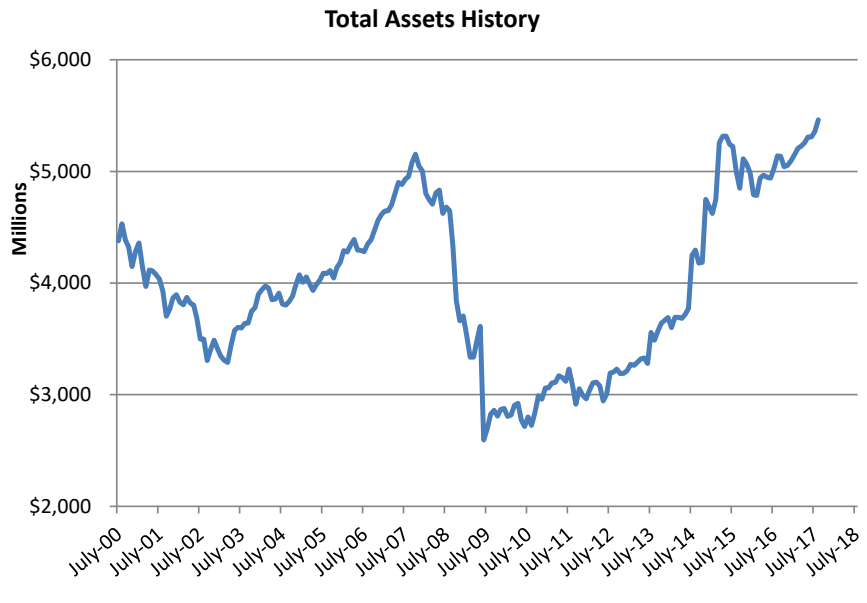
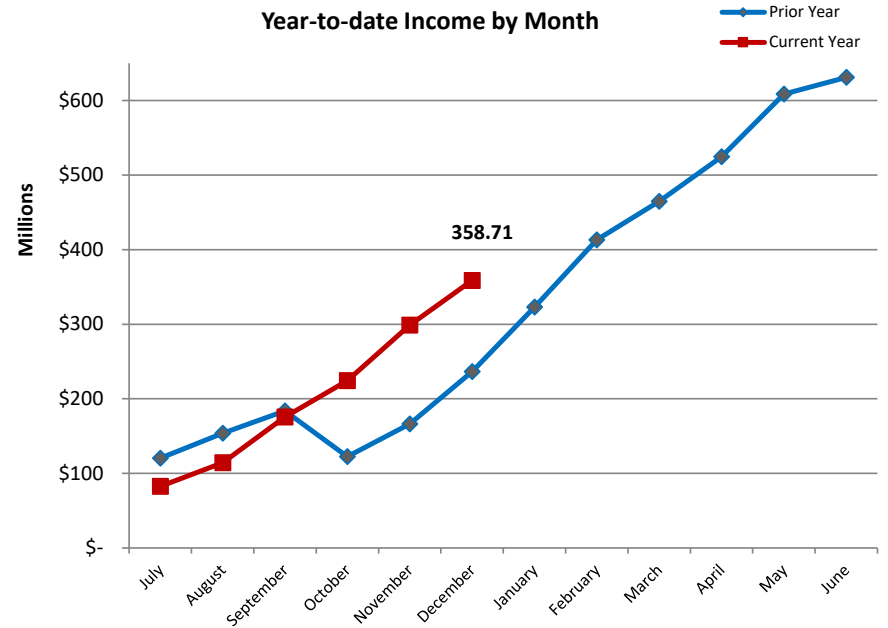
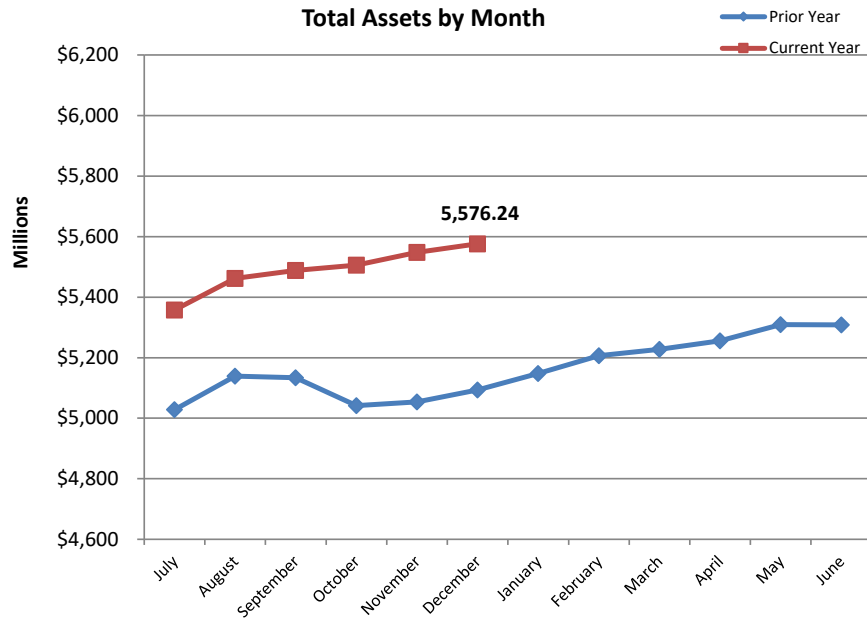


Actual Asset Allocation vs Target Allocation



Teachers' Retirement Pension Trust Fund

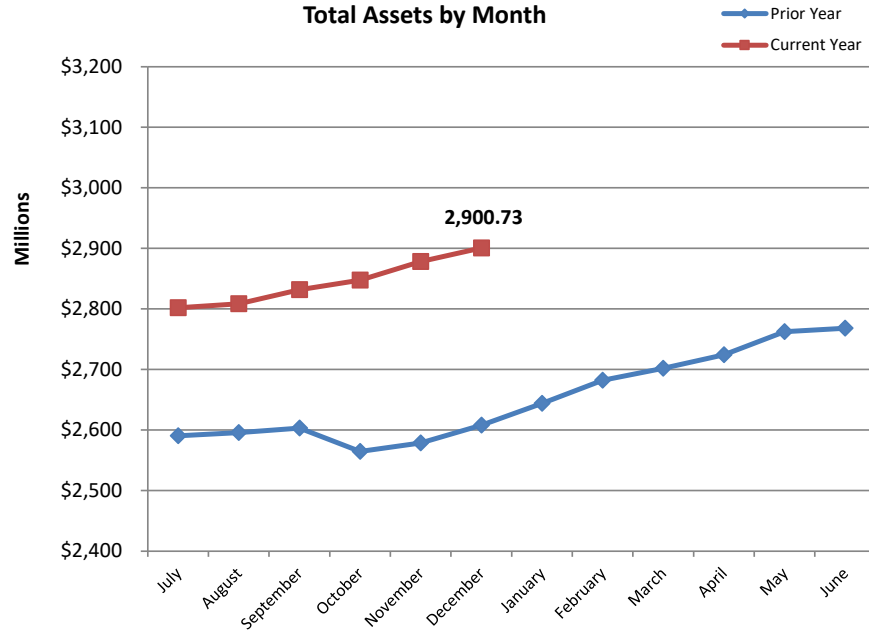
Fiscal Year-to-Date through December 31, 2017



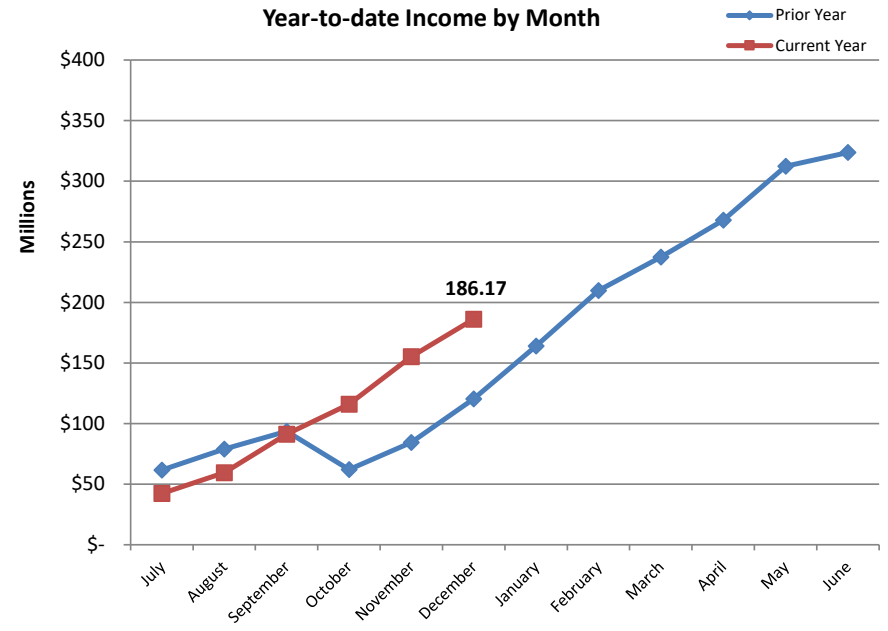
Teachers' Retirement Health Care Trust Fund

Fiscal Year-to-Date through December 31, 2017

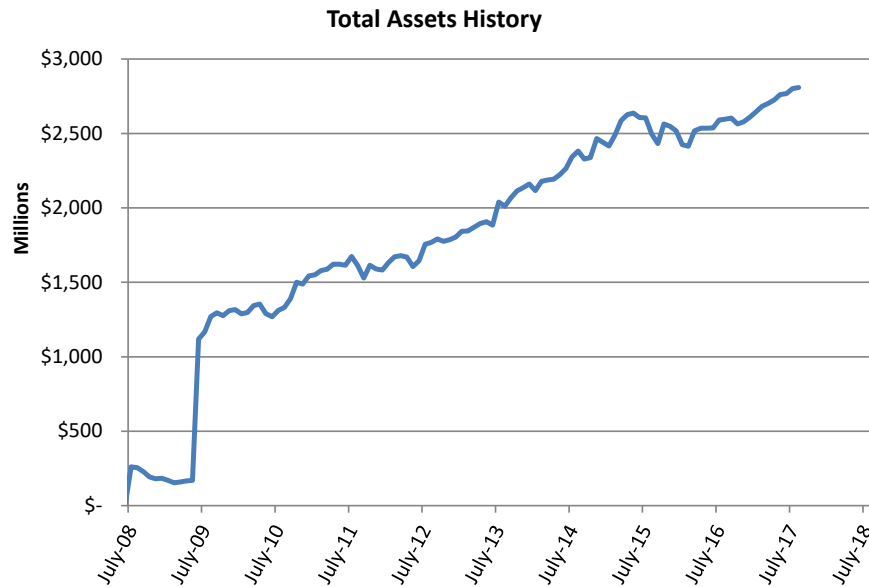
Total Assets by Month



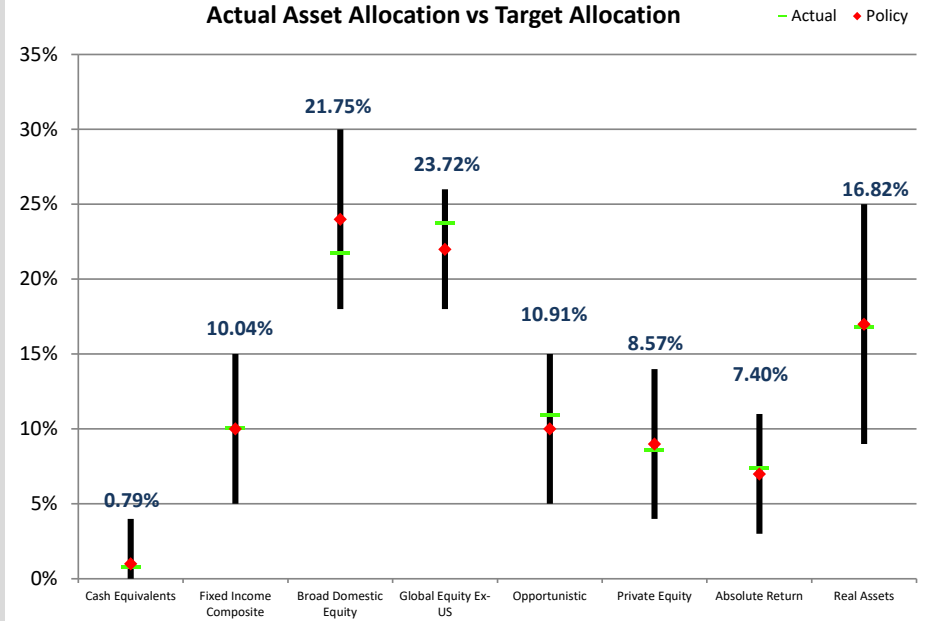
Year-to-date Income by Month



Total Assets History



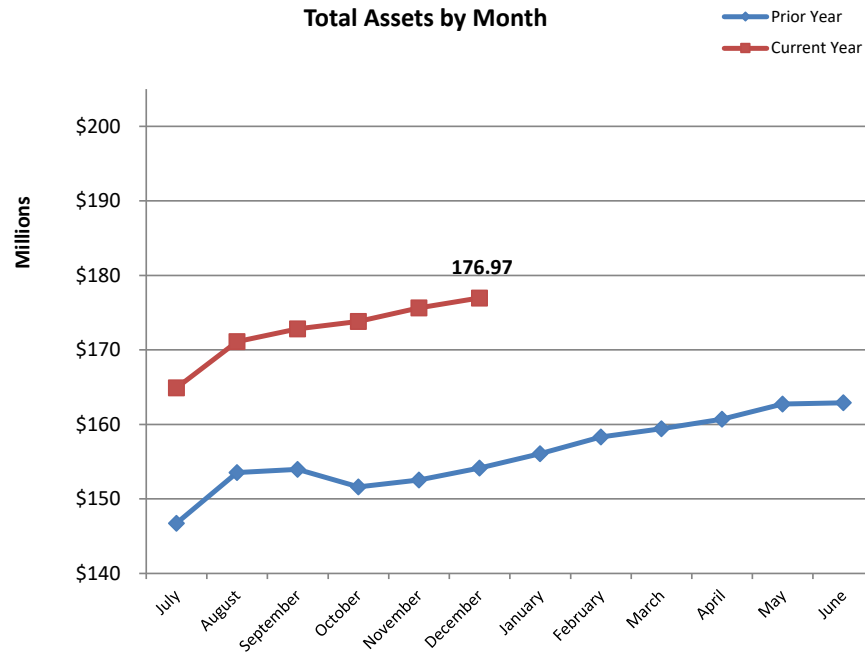
Actual Asset Allocation vs Target Allocation



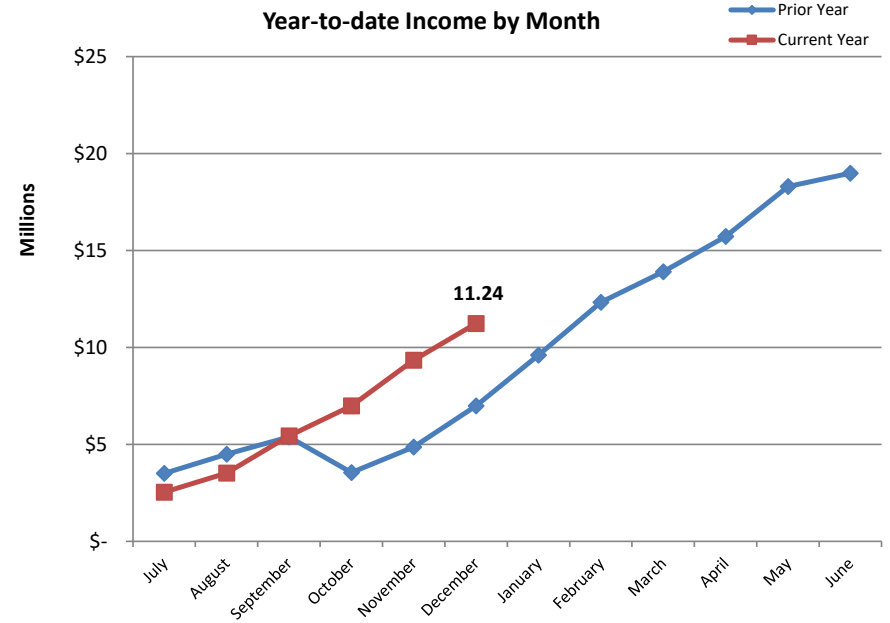
Judicial Retirement Pension Trust Fund

Fiscal Year-to-Date through December 31, 2017

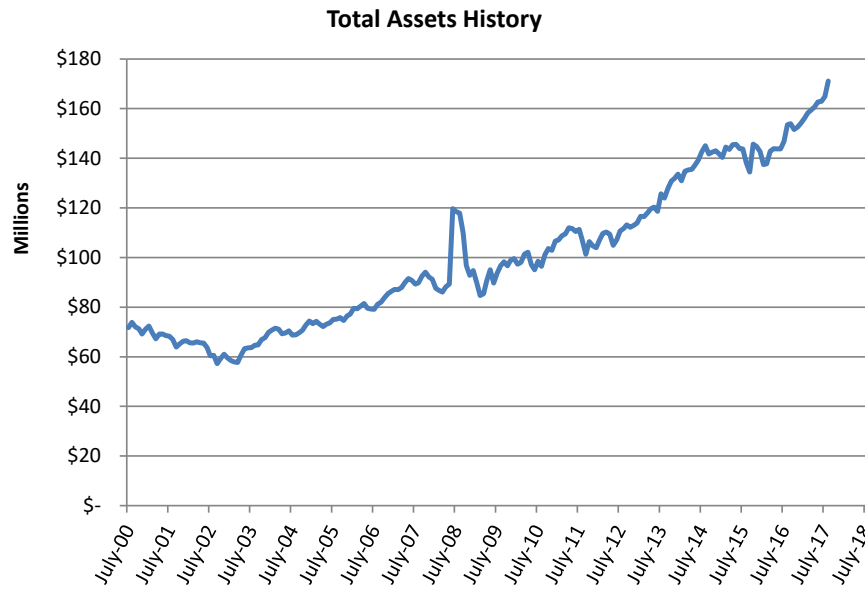
Total Assets by Month



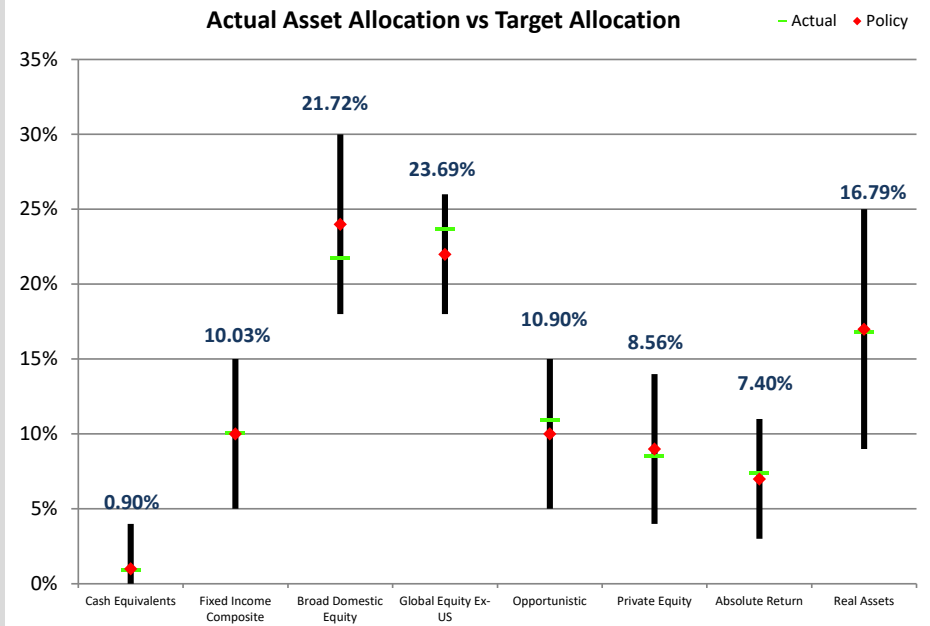
Year-to-date Income by Month



Total Assets History



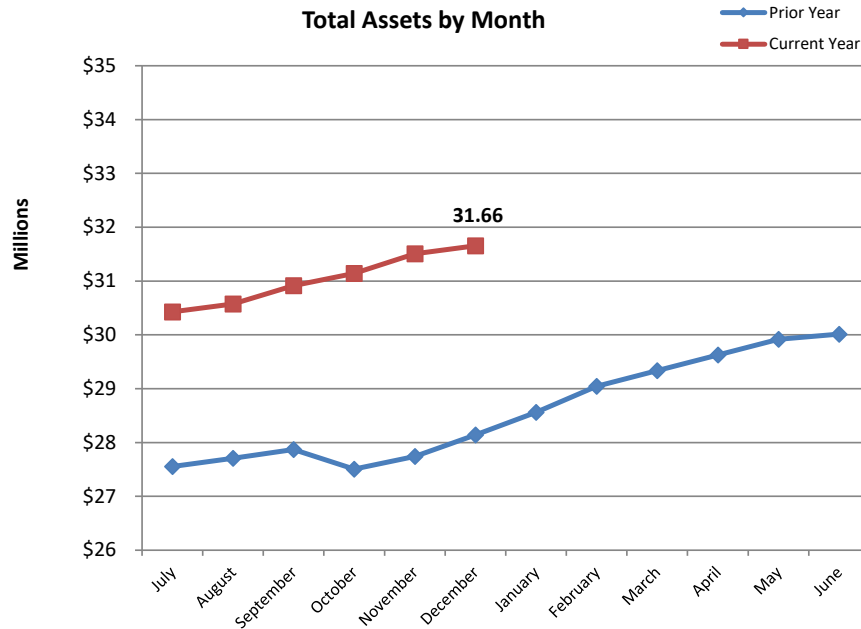
Actual Asset Allocation vs Target Allocation



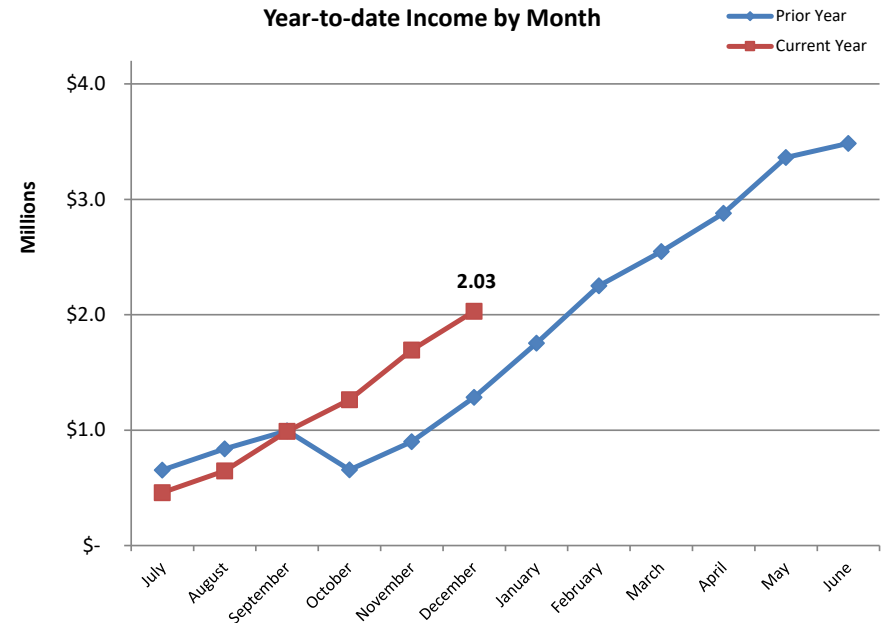
Judicial Retirement Health Care Trust Fund

Fiscal Year-to-Date through December 31, 2017

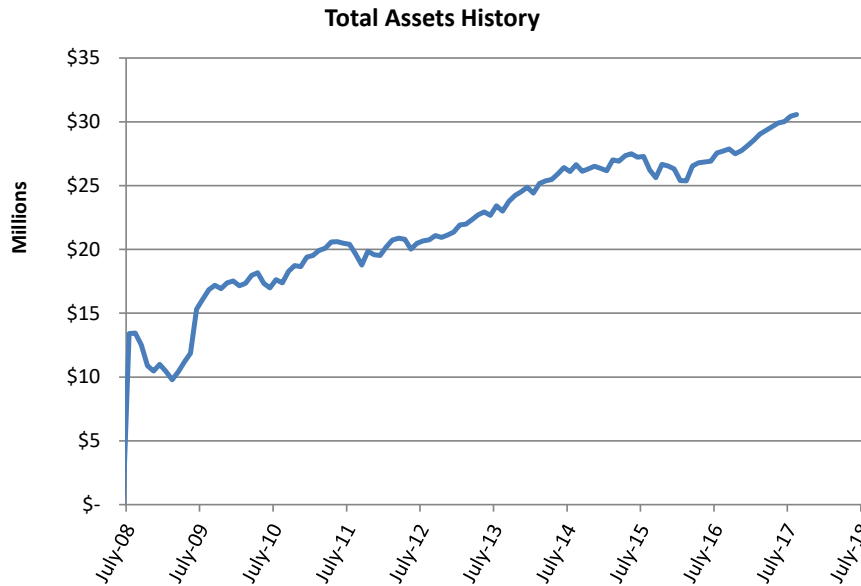
Total Assets by Month



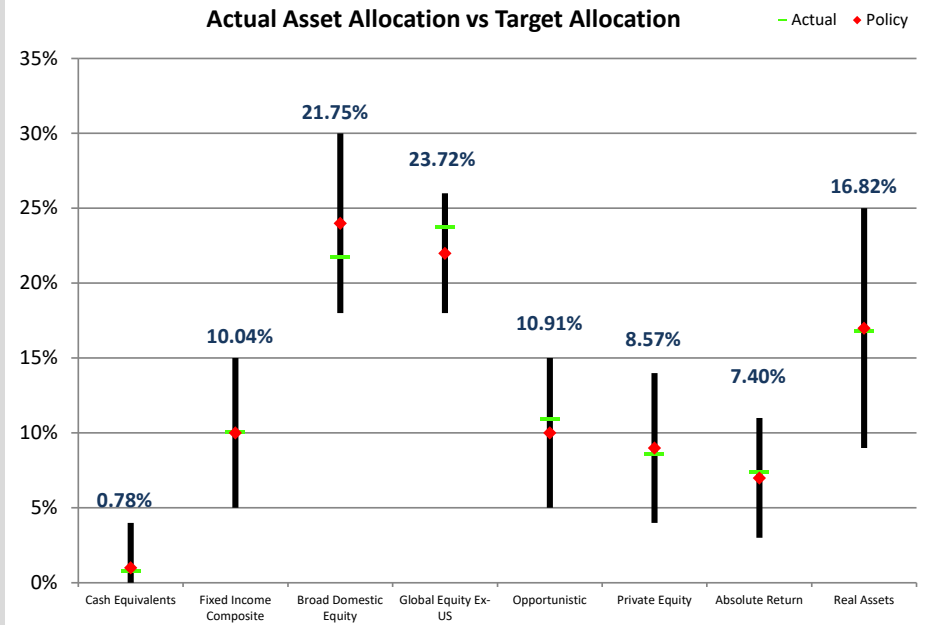
Year-to-date Income by Month



Total Assets History

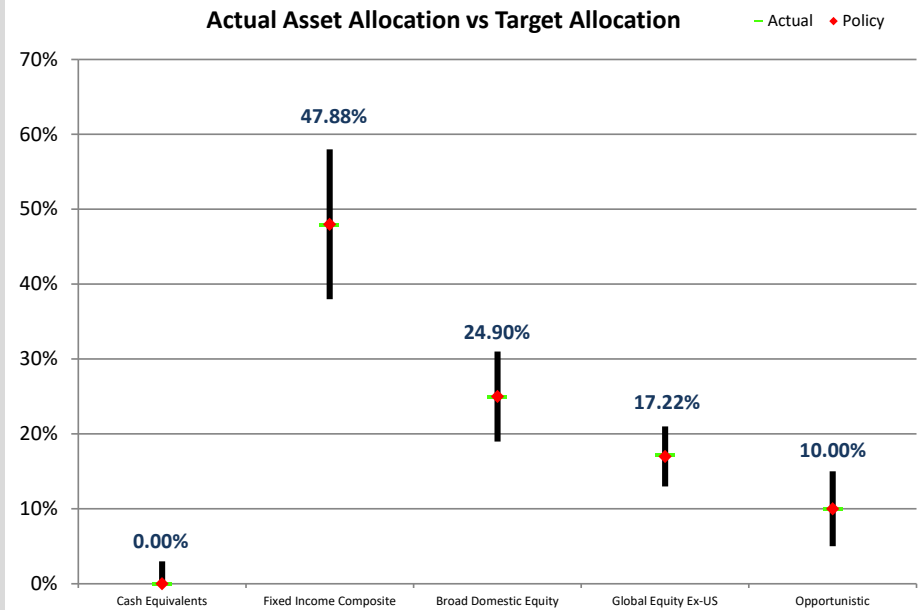
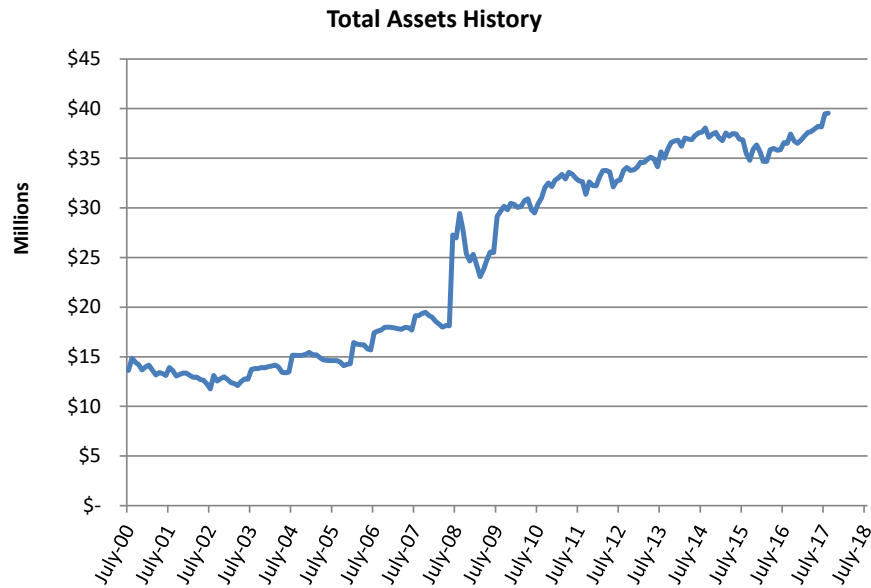
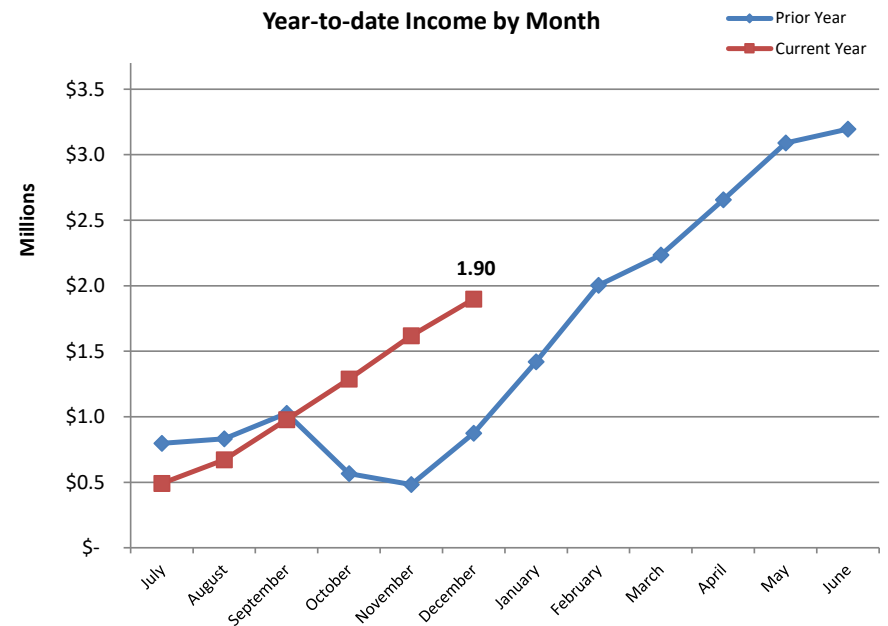
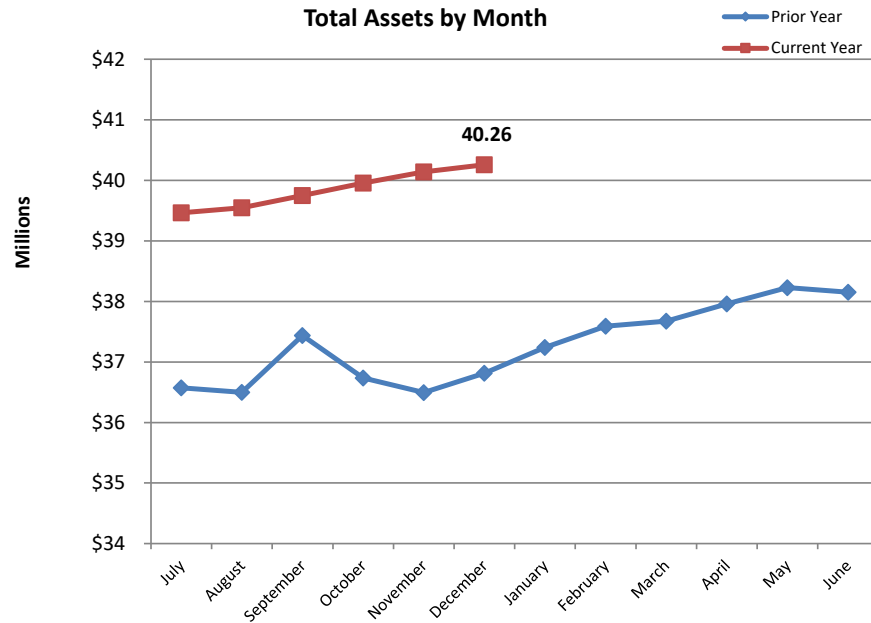


Actual Asset Allocation vs Target Allocation



Military Retirement Trust Fund

Fiscal Year-to-Date through December 31, 2017



ALASKA RETIREMENT MANAGEMENT BOARD

Reporting of Funds by Manager

All Non-Participant Directed Plans

Alaska Retirement Management Board
All Non-Participant Directed Plans by Manager
Schedule of Investment Income and Changes in Invested Assets
For the Month Ended December 31, 2017

| | 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 | \$ 305,065,273 | \$ 304,403 | \$ (74,625,494) | \$ 230,744,182 | -24.36% | 0.11% |
| Securities Lending Income | 270,367 | 308,485 | (293,000) | 285,852 | 5.73% | 249.05% |
| Total Cash | <u>305,335,640</u> | <u>612,888</u> | <u>(74,918,494)</u> | <u>231,030,034</u> | -24.34% | 0.23% |
| Fixed Income | | | | | | |
| US Treasury Fixed Income | <u>2,910,953,050</u> | <u>1,536,982</u> | <u>(250,000,000)</u> | <u>2,662,490,032</u> | -8.54% | 0.06% |
| Domestic Equities | | | | | | |
| Small Cap | | | | | | |
| Passively Managed | | | | | | |
| S&P 600 Internally Managed | 107,597,493 | (1,364,987) | (52,620,221) | 53,612,285 | -50.17% | -1.68% |
| SSgA Russell 2000 Growth | 2,285 | 33 | 1,102 | 3,420 | 49.67% | 1.16% |
| SSgA Russell 2000 Value | 110,236 | 10,000 | 2,005 | 122,241 | 10.89% | 8.99% |
| Total Passive | <u>107,710,014</u> | <u>(1,354,954)</u> | <u>(52,617,114)</u> | <u>53,737,946</u> | -50.11% | -1.66% |
| Actively Managed | | | | | | |
| Barrow, Haney, Mewhinney & Strauss | 34,537,027 | (698,886) | - | 33,838,141 | -2.02% | -2.02% |
| BMO Global Asset Management | 85,410,461 | (618,786) | - | 84,791,675 | -0.72% | -0.72% |
| DePrince, Race & Zollo Inc.- Micro Cap | 115,418,843 | 1,214,713 | - | 116,633,556 | 1.05% | 1.05% |
| Fidelity (FIAM) Small Company | 71,904,242 | 140,383 | - | 72,044,625 | 0.20% | 0.20% |
| Frontier Capital Mgmt. Co. | 81,497,290 | 894,602 | - | 82,391,892 | 1.10% | 1.10% |
| Jennison Associates, LLC | 109,564,969 | 850,322 | 401,565 | 110,816,856 | 1.14% | 0.77% |
| Lord Abbett & Co.- Micro Cap | 92,345,231 | 4,046,212 | 242,551 | 96,633,994 | 4.64% | 4.38% |
| Lord Abbett Small Cap Growth Fund | 38,958,857 | (674,877) | (38,375,663) | (91,683) | -100.24% | -3.41% |
| SSgA Futures Small Cap | 4,181,520 | (139,838) | 3,547 | 4,045,229 | -3.26% | -3.34% |
| SSgA Volatility-Russell 2000 | 99,776,130 | (2,069,097) | 25,633,154 | 123,340,187 | 23.62% | -1.84% |
| Transition Account | 34 | 1,788,825 | (1,787,798) | 1,061 | 3020.59% | -200.12% |
| Victory Capital Management | 157,892,988 | (867,959) | 282,694 | 157,307,723 | -0.37% | -0.55% |
| Zebra Capital Management | 103,673,645 | (1,993,762) | - | 101,679,883 | -1.92% | -1.92% |
| Arrowmark | - | 747,938 | 75,046,502 | 75,794,440 | 0.00% | 1.99% |
| T. Rowe Small Cap Growth | - | - | - | - | - | - |
| Total Active | <u>995,161,237</u> | <u>2,619,790</u> | <u>61,446,552</u> | <u>1,059,227,579</u> | 6.44% | 0.26% |
| Total Small Cap | <u>1,102,871,251</u> | <u>1,264,836</u> | <u>8,829,438</u> | <u>1,112,965,525</u> | 0.92% | 0.11% |

Alaska Retirement Management Board
All Non-Participant Directed Plans by Manager
Schedule of Investment Income and Changes in Invested Assets
For the Month Ended December 31, 2017

| | | | | | | |
|-------------------------------------|----------------------|--------------------|--------------------|----------------------|--------------|--------------|
| Large Cap | | | | | | |
| Passively Managed | | | | | | |
| SSgA Russell 1000 Growth | 961,069,645 | 7,525,874 | 92,359 | 968,687,878 | 0.79% | 0.78% |
| SSgA Russell 1000 Value | 760,939,755 | 11,052,050 | 85,613 | 772,077,418 | 1.46% | 1.45% |
| SSgA Russell 200 | 369,001,471 | 4,354,691 | 64,761 | 373,420,923 | 1.20% | 1.18% |
| Total Passive | 2,091,010,871 | 22,932,615 | 242,733 | 2,114,186,219 | 1.11% | 1.10% |
| Actively Managed | | | | | | |
| Allianz Global Investors | 175,415,531 | 921,379 | - | 176,336,910 | 0.53% | 0.53% |
| ARMB Equity Yield Strategy | 357,017,877 | 7,058,404 | - | 364,076,281 | 1.98% | 1.98% |
| Barrow, Haney, Mewhinney & Strauss | 183,444,303 | 3,116,239 | - | 186,560,542 | 1.70% | 1.70% |
| Lazard Freres | 321,007,386 | 2,489,540 | - | 323,496,926 | 0.78% | 0.78% |
| McKinley Capital Mgmt. | 164,398,411 | 289,468 | - | 164,687,879 | 0.18% | 0.18% |
| Portable Alpha | 400,267,155 | 5,276,723 | (3,113,198) | 402,430,680 | 0.54% | 1.32% |
| Quantitative Management Assoc. | 218,446,538 | 4,470,256 | - | 222,916,794 | 2.05% | 2.05% |
| S&P 500 Equal Weight | 325,404,991 | 3,846,773 | - | 329,251,764 | 1.18% | 1.18% |
| Scientific Beta, Internally Managed | 331,237,523 | 1,354,578 | 24,688 | 332,616,789 | 0.42% | 0.41% |
| SSgA Futures large cap | 6,868,698 | 180,639 | 4,276 | 7,053,613 | 2.69% | 2.63% |
| Transition Account | 156 | - | - | 156 | - | - |
| Total Active | 2,483,508,569 | 29,003,999 | (3,084,234) | 2,509,428,334 | 1.04% | 1.17% |
| Total Large Cap | 4,574,519,440 | 51,936,614 | (2,841,501) | 4,623,614,553 | 1.07% | 1.14% |
| Total Domestic Equity | 5,677,390,691 | 53,201,450 | 5,987,937 | 5,736,580,078 | 1.04% | 0.94% |
| Global Equities Ex US | | | | | | |
| Small Cap | | | | | | |
| Mondrian Investment Partners | 187,653,792 | 3,372,793 | - | 191,026,585 | 1.80% | 1.80% |
| Schroder Investment Management | 208,647,300 | 6,055,172 | 380,531 | 215,083,003 | 3.08% | 2.90% |
| Total Small Cap | 396,301,092 | 9,427,965 | 380,531 | 406,109,588 | 2.48% | 2.38% |
| Large Cap | | | | | | |
| Allianz Global Investors | 309,760,002 | 5,168,789 | - | 314,928,791 | 1.67% | 1.67% |
| Arrow Street Capital | 386,130,947 | 7,792,856 | 822,996 | 394,746,799 | 2.23% | 2.02% |
| Baillie Gifford Overseas Limited | 475,897,866 | 8,787,589 | - | 484,685,455 | 1.85% | 1.85% |
| Blackrock ACWI Ex-US IMI | 625,744,855 | 14,826,568 | 74,760 | 640,646,183 | 2.38% | 2.37% |
| Brandes Investment Partners | 659,892,971 | 15,080,912 | - | 674,973,883 | 2.29% | 2.29% |
| Cap Guardian Trust Co | 554,354,422 | 8,347,586 | - | 562,702,008 | 1.51% | 1.51% |
| Lazard Freres | 335,628,238 | 7,352,691 | - | 342,980,929 | 2.19% | 2.19% |
| McKinley Capital Management | 561,858,966 | 9,890,822 | - | 571,749,788 | 1.76% | 1.76% |
| SSgA Futures International | - | - | - | - | - | - |
| State Street Global Advisors | 1,008,467,204 | 23,952,573 | 255,721 | 1,032,675,498 | 2.40% | 2.37% |
| Total Large Cap | 4,917,735,471 | 101,200,386 | 1,153,477 | 5,020,089,334 | 2.08% | 2.06% |

Alaska Retirement Management Board
All Non-Participant Directed Plans by Manager
Schedule of Investment Income and Changes in Invested Assets
For the Month Ended December 31, 2017

| | | | | | | |
|--|----------------------|--------------------|------------------|----------------------|--------------|--------------|
| Emerging Markets Equity | | | | | | |
| Eaton Vance | 293,340,399 | 12,235,446 | - | 305,575,845 | 4.17% | 4.17% |
| Lazard Asset Management | 499,999,999 | 20,464,691 | - | 520,464,690 | 4.09% | 4.09% |
| Total Emerging Markets | 793,340,398 | 32,700,137 | - | 826,040,535 | 4.12% | 4.12% |
| Total Global Equities | 6,107,376,961 | 143,328,488 | 1,534,008 | 6,252,239,457 | 2.37% | 2.35% |
| Opportunistic | | | | | | |
| Alternative Equity Strategy | | | | | | |
| Alternative Equity Strategies Transition Account | - | - | - | - | - | - |
| Analytic Buy Write Account | 302,612,890 | 1,944,188 | 25,990 | 304,583,068 | 0.65% | 0.64% |
| Internally Managed Large Cap. | 379,376,969 | 2,696,335 | - | 382,073,304 | 0.71% | 0.71% |
| Quantitative Management Associates MPS | 176,138,021 | 3,803,807 | - | 179,941,828 | 2.16% | 2.16% |
| SSgA Volatility-Russell 1000 | 101,437,597 | 278,496 | 54,086 | 101,770,179 | 0.33% | 0.27% |
| | <u>959,565,477</u> | <u>8,722,826</u> | <u>80,076</u> | <u>968,368,379</u> | <u>0.92%</u> | <u>0.91%</u> |
| Taxable Municipal Bond | | | | | | |
| Guggenheim Partners | 105,830,641 | 1,204,241 | - | 107,034,882 | 1.14% | 1.14% |
| Western Asset Management | 137,807,585 | 1,654,445 | - | 139,462,030 | 1.20% | 1.20% |
| | <u>243,638,226</u> | <u>2,858,686</u> | <u>-</u> | <u>246,496,912</u> | <u>1.17%</u> | <u>1.17%</u> |
| Alternative Fixed Income | | | | | | |
| Fidelity Institutional Asset Management. | 138,281,190 | 743,801 | - | 139,024,991 | 0.54% | 0.54% |
| Schroders Insurance Linked Securities | 331,125,362 | 62,798 | - | 331,188,160 | 0.02% | 0.02% |
| | <u>469,406,552</u> | <u>806,599</u> | <u>-</u> | <u>470,213,151</u> | <u>0.17%</u> | <u>0.17%</u> |
| International Fixed Income | | | | | | |
| Mondrian Investment Partners | <u>166,302,682</u> | <u>807,390</u> | <u>-</u> | <u>167,110,072</u> | <u>0.49%</u> | <u>0.49%</u> |
| High Yield | | | | | | |
| Columbia Threadneedle | 158,533,291 | 205,913 | - | 158,739,204 | 0.13% | 0.13% |
| Eaton Vance High Yield | 130,111,514 | 375,052 | - | 130,486,566 | 0.29% | 0.29% |
| Fidelity Inst. Asset Mgmt. High Yield CMBS | 214,426,870 | (541,248) | - | 213,885,622 | -0.25% | -0.25% |
| MacKay Shields, LLC | 154,162,172 | 1,100,485 | 152,668 | 155,415,325 | 0.81% | 0.71% |
| | <u>657,233,847</u> | <u>1,140,202</u> | <u>152,668</u> | <u>658,526,717</u> | <u>0.20%</u> | <u>0.17%</u> |

Alaska Retirement Management Board
All Non-Participant Directed Plans by Manager
Schedule of Investment Income and Changes in Invested Assets
For the Month Ended December 31, 2017

| | | | | | | |
|--------------------------------------|----------------------|-------------------|---------------------|----------------------|---------|--------|
| Emerging Debt | | | | | | |
| Lazard Emerging Income | 169,190,435 | 192,243 | - | 169,382,678 | 0.11% | 0.11% |
| | <u>169,190,435</u> | <u>192,243</u> | <u>-</u> | <u>169,382,678</u> | 0.11% | 0.11% |
| Convertible Bond | | | | | | |
| Advent Capital | 195,805,283 | 418,502 | - | 196,223,785 | 0.21% | 0.21% |
| Total Opportunistic | <u>2,861,142,502</u> | <u>14,946,448</u> | <u>232,744</u> | <u>2,876,321,694</u> | 0.53% | 0.52% |
| Private Equity | | | | | | |
| Abbott Capital | 883,956,999 | 2,820,090 | (12,060,978) | 874,716,111 | -1.05% | 0.32% |
| Advent International GPE Fund VIII-B | 11,714,047 | - | - | 11,714,047 | - | - |
| Angelo, Gordon & Co. | 184,093 | - | (86,922) | 97,171 | -47.22% | - |
| Dyal Capital Partners III | 16,831,307 | - | 1,938,556 | 18,769,863 | 11.52% | - |
| Glendon Opportunities | 31,802,568 | - | 2,000,000 | 33,802,568 | 6.29% | - |
| KKR Lending Partners II | 83,681,060 | - | - | 83,681,060 | - | - |
| Lexington Capital Partners VIII | 21,997,490 | 1,096,718 | 442,985 | 23,537,193 | 7.00% | 4.94% |
| Lexington Partners VII | 27,459,440 | 907,268 | (1,397,617) | 26,969,091 | -1.79% | 3.39% |
| Merit Capital Partners | 14,112,761 | - | - | 14,112,761 | - | - |
| NB SOF III | 31,317,345 | 1,170,298 | (1,843,309) | 30,644,334 | -2.15% | 3.85% |
| NB SOF IV | 3,775,897 | (71,122) | 982,519 | 4,687,294 | 24.14% | -1.67% |
| New Mountain Partners IV | 23,615,919 | - | 1,779,804 | 25,395,723 | 7.54% | - |
| NGP XI | 37,900,048 | - | 3,728,077 | 41,628,125 | 9.84% | - |
| Onex Partnership III | 17,682,736 | - | (2,279,384) | 15,403,352 | -12.89% | - |
| Pathway Capital Management LLC | 972,204,483 | 7,075,842 | (20,044,309) | 959,236,016 | -1.33% | 0.74% |
| Resolute Fund III | 12,926,058 | - | 54,892 | 12,980,950 | 0.42% | - |
| Summit Partners GE IX | 9,213,390 | - | (3,989,450) | 5,223,940 | -43.30% | - |
| Warburg Pincus X | 14,536,872 | 6,886 | (533,248) | 14,010,510 | -3.62% | 0.05% |
| Warburg Pincus XI | 25,536,288 | 1,532,573 | (519,000) | 26,549,861 | 3.97% | 6.06% |
| Warburg Pincus XII | 27,945,013 | - | 3,315,000 | 31,260,013 | 11.86% | - |
| New Mountain Partners V | 2,911,400 | - | - | 2,911,400 | - | - |
| Glendon Opportunities II | - | - | - | - | - | - |
| Total Private Equity | <u>2,271,305,214</u> | <u>14,538,553</u> | <u>(28,512,384)</u> | <u>2,257,331,383</u> | -0.62% | 0.64% |

Alaska Retirement Management Board
All Non-Participant Directed Plans by Manager
Schedule of Investment Income and Changes in Invested Assets
For the Month Ended December 31, 2017

Absolute Return

| | | | | | | |
|--|----------------------|-------------------|--------------------|----------------------|---------|-------|
| Allianz Global Investors | 372,447,889 | 4,024,558 | - | 376,472,447 | 1.08% | 1.08% |
| Crestline Investors, Inc. | 394,226,554 | 8,757,949 | 15,110,392 | 418,094,895 | 6.05% | 2.18% |
| Crestline Specialty Fund | 31,112,582 | 1,218,525 | 3,494,915 | 35,826,022 | 15.15% | 3.71% |
| Global Asset Management (USA) Inc. | 1,301,409 | 15,861 | - | 1,317,270 | 1.22% | 1.22% |
| KKR Apex Equity Fund | 97,889,045 | 493,319 | - | 98,382,364 | 0.50% | 0.50% |
| Prisma Capital Partners | 398,685,486 | 3,039,578 | - | 401,725,064 | 0.76% | 0.76% |
| Zebra Global Equity Advantage Fund | 69,609,919 | 808,709 | - | 70,418,628 | 1.16% | 1.16% |
| Zebra Global Equity Fund | 131,308,779 | 999,277 | - | 132,308,056 | 0.76% | 0.76% |
| Crestline Specialty Lending Fund II | - | - | 4,454,030 | 4,454,030 | 100.00% | - |
| Man Group Alternative Risk Premia | 207,051,303 | 3,555,892 | - | 210,607,195 | 1.72% | 1.72% |
| JPM Systemic Alpha | - | - | 200,000,000 | 200,000,000 | 100.00% | - |
| Total Absolute Return Investments | <u>1,703,632,966</u> | <u>22,913,668</u> | <u>223,059,337</u> | <u>1,949,605,971</u> | 14.44% | 1.26% |

Real Assets

Farmland

| | | | | | | |
|---------------------------------------|--------------------|----------|--------------------|--------------------|--------|---|
| Hancock Agricultural Investment Group | 269,123,421 | - | (2,000,000) | 267,123,421 | -0.74% | - |
| UBS Agrivest, LLC | 571,918,927 | - | (3,593,750) | 568,325,177 | -0.63% | - |
| Total Farmland | <u>841,042,348</u> | <u>-</u> | <u>(5,593,750)</u> | <u>835,448,598</u> | -0.67% | - |

Timber

| | | | | | | |
|--------------------------------|--------------------|----------|-------------------|--------------------|-------|---|
| Hancock Natural Resource Group | 93,707,572 | - | - | 93,707,572 | - | - |
| Timberland Invt Resource LLC | 258,949,361 | - | 23,001,126 | 281,950,487 | 8.88% | - |
| Total Timber | <u>352,656,933</u> | <u>-</u> | <u>23,001,126</u> | <u>375,658,059</u> | 6.52% | - |

Energy

| | | | | | | |
|-----------------------|-------------------|------------------|------------------|-------------------|--------|--------|
| EIG Energy Fund XD | 48,762 | (1,433) | - | 47,329 | -2.94% | -2.94% |
| EIG Energy Fund XIV-A | 12,317,643 | (365,001) | - | 11,952,642 | -2.96% | -2.96% |
| EIG Energy Fund XV | 30,692,511 | 111,151 | (673,055) | 30,130,607 | -1.83% | 0.37% |
| EIG Energy Fund XVI | 40,318,934 | 123,738 | 3,600,000 | 44,042,672 | 9.24% | 0.29% |
| Total Energy | <u>83,377,850</u> | <u>(131,545)</u> | <u>2,926,945</u> | <u>86,173,250</u> | 3.35% | -0.16% |

REIT

| | | | | | | |
|-------------------------|--------------------|------------------|----------|--------------------|--------|--------|
| REIT Transition Account | - | - | - | - | - | - |
| REIT Holdings | 364,655,337 | (642,629) | - | 364,012,708 | -0.18% | -0.18% |
| Total REIT | <u>364,655,337</u> | <u>(642,629)</u> | <u>-</u> | <u>364,012,708</u> | -0.18% | -0.18% |

TIPS

| | | | | | | |
|---------------------------------|-------------------|----------------|----------|-------------------|-------|-------|
| TIPS Internally Managed Account | <u>55,937,039</u> | <u>537,481</u> | <u>-</u> | <u>56,474,520</u> | 0.96% | 0.96% |
|---------------------------------|-------------------|----------------|----------|-------------------|-------|-------|

Alaska Retirement Management Board
All Non-Participant Directed Plans by Manager
Schedule of Investment Income and Changes in Invested Assets
For the Month Ended December 31, 2017

| | | | | | | |
|--|--------------------------|-----------------------|------------------------|--------------------------|---------------|---------------|
| Master Limited Partnerships | | | | | | |
| Advisory Research MLP | 212,377,873 | 10,642,418 | - | 223,020,291 | 5.01% | 5.01% |
| Tortoise Capital Advisors | 249,737,751 | 14,399,141 | - | 264,136,892 | 5.77% | 5.77% |
| Total Master Limited Partnerships | 462,115,624 | 25,041,559 | - | 487,157,183 | 5.42% | 5.42% |
| Infrastructure Private | | | | | | |
| IFM Global Infrastructure Fund-Private | 348,539,140 | 6,499,318 | - | 355,038,458 | 1.86% | 1.86% |
| JP Morgan Infrastructure Fund-Private | 105,290,672 | 3,140,970 | - | 108,431,642 | 2.98% | 2.98% |
| Total Infrastructure Private | 453,829,812 | 9,640,288 | - | 463,470,100 | 2.12% | 2.12% |
| Infrastructure Public | | | | | | |
| Brookfield Investment Mgmt.-Public | 108,857,701 | (1,346,794) | - | 107,510,907 | -1.24% | -1.24% |
| Lazard Asset Mgmt.-Public | 155,136,989 | (1,561,077) | - | 153,575,912 | -1.01% | -1.01% |
| Total Infrastructure Public | 263,994,690 | (2,907,871) | - | 261,086,819 | -1.10% | -1.10% |
| Real Estate | | | | | | |
| Core Commingled Accounts | | | | | | |
| JP Morgan | 248,888,665 | 898,378 | - | 249,787,043 | 0.36% | 0.36% |
| UBS Trumbull Property Fund | 199,760,588 | - | - | 199,760,588 | - | - |
| Total Core Commingled | 448,649,253 | 898,378 | - | 449,547,631 | 0.20% | 0.20% |
| Core Separate Accounts | | | | | | |
| LaSalle Investment Management | 188,972,593 | - | (138,456) | 188,834,137 | -0.07% | - |
| Sentinel Separate Account | 195,429,239 | - | (667,487) | 194,761,752 | -0.34% | - |
| UBS Realty | 525,251,653 | - | (758,128) | 524,493,525 | -0.14% | - |
| Total Core Separate | 909,653,485 | - | (1,564,071) | 908,089,414 | -0.17% | - |
| Non-Core Commingled Accounts | | | | | | |
| Almanac Realty Securities V | 2,304,563 | - | - | 2,304,563 | - | - |
| Almanac Realty Securities VII | 19,471,668 | - | 8,811,390 | 28,283,058 | 45.25% | - |
| BlackRock Diamond Property Fund | 302,615 | (302,615) | (428,870) | (428,870) | -241.72% | -343.18% |
| Clarion Ventures 4 | 15,524,067 | (1,414,336) | 9,571,918 | 23,681,649 | 52.55% | -6.96% |
| Colony Investors VIII, L.P. | 5,752,100 | - | (4,396,615) | 1,355,485 | -76.43% | - |
| Cornerstone Apartment Venture III | 38,992 | (1) | (39,385) | (394) | -101.01% | -0.01% |
| Coventry | 846,092 | - | (645,091) | 201,001 | -76.24% | - |
| ING Clarion Development Ventures III | 6,232,047 | - | - | 6,232,047 | - | - |
| KKR Real Estate Partners Americas LP. | 36,919,814 | - | (3,358,682) | 33,561,132 | -9.10% | - |
| LaSalle Medical Office Fund II | 197 | 244 | (7,475) | (7,034) | -3670.56% | -6.89% |
| Lowe Hospitality Partners | 148,689 | 4,227 | (112,758) | 40,158 | -72.99% | 4.58% |
| Silverpeak Legacy Pension Partners II, L.P. | 10,407,380 | - | (2,953,773) | 7,453,607 | -28.38% | - |
| Silverpeak Legacy Pension Partners III, L.P. | 5,257,756 | - | - | 5,257,756 | - | - |
| Tishman Speyer Real Estate Venture VI | 28,406,921 | - | - | 28,406,921 | - | - |
| Tishman Speyer Real Estate Venture VII | 5,027,289 | - | (526,124) | 4,501,165 | -10.47% | - |
| Total Non-Core Commingled | 136,640,190 | (1,712,481) | 5,914,535 | 140,842,244 | 3.08% | -1.23% |
| Total Real Estate | 1,494,942,928 | (814,103) | 4,350,464 | 1,498,479,289 | 0.24% | -0.05% |
| Total Real Assets | 4,372,552,561 | 30,723,180 | 24,684,785 | 4,427,960,526 | 1.27% | 0.70% |
| Total Assets | \$ 26,209,689,585 | \$ 281,801,657 | \$ (97,932,067) | \$ 26,393,559,175 | 0.70% | 1.08% |

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
December 31, 2017

| | <u>Beginning Invested Assets</u> | <u>Investment Income</u> | <u>Net Contributions (Withdrawals)</u> | <u>Transfers In (Out)</u> | <u>Ending Invested Assets</u> | <u>% Change in Invested Assets</u> | <u>% Change due to Investment Income (1)</u> |
|--|--------------------------------------|------------------------------|--|-------------------------------|-----------------------------------|--|--|
| Participant Options | | | | | | | |
| T. Rowe Price | | | | | | | |
| Stable Value Fund | \$ 353,887,016 | \$ 662,438 | \$ (2,264,420) | \$ (3,351,007) | \$ 348,934,027 | -1.40% | 0.19% |
| Small Cap Stock Fund | 166,062,409 | (445,315) | (27,163) | 454,004 | 166,043,935 | -0.01% | -0.27% |
| Alaska Balanced Trust | 1,168,114,429 | 7,295,011 | (2,662,471) | (662,530) | 1,172,084,439 | 0.34% | 0.63% |
| Long Term Balanced Fund | 631,027,200 | 5,600,641 | (42,669) | (2,107,771) | 634,477,401 | 0.55% | 0.89% |
| AK Target Date 2010 Trust | 10,538,993 | 72,067 | (14,301) | 89,991 | 10,686,750 | 1.40% | 0.68% |
| AK Target Date 2015 Trust | 90,925,936 | 702,073 | (35,764) | (1,269,265) | 90,322,980 | -0.66% | 0.78% |
| AK Target Date 2020 Trust | 91,000,653 | 834,021 | 174,313 | 2,340,296 | 94,349,283 | 3.68% | 0.90% |
| AK Target Date 2025 Trust | 69,686,772 | 685,784 | 326,893 | 550,905 | 71,250,354 | 2.24% | 0.98% |
| AK Target Date 2030 Trust | 54,407,325 | 566,005 | 276,761 | (860,608) | 54,389,483 | -0.03% | 1.05% |
| AK Target Date 2035 Trust | 49,851,817 | 567,557 | 335,617 | 219,090 | 50,974,081 | 2.25% | 1.13% |
| AK Target Date 2040 Trust | 50,567,350 | 601,454 | 301,021 | 137,885 | 51,607,710 | 2.06% | 1.18% |
| AK Target Date 2045 Trust | 55,978,901 | 673,673 | 549,119 | (222,936) | 56,978,757 | 1.79% | 1.20% |
| AK Target Date 2050 Trust | 63,398,773 | 762,389 | 498,698 | (424,803) | 64,235,057 | 1.32% | 1.20% |
| AK Target Date 2055 Trust | 51,951,616 | 627,328 | 611,801 | 114,794 | 53,305,539 | 2.61% | 1.20% |
| AK Target Date 2060 Trust | 2,412,710 | 26,036 | (177,808) | 182,279 | 2,443,217 | 1.26% | 1.08% |
| Total Investments with T. Rowe Price | <u>2,909,811,900</u> | <u>19,231,162</u> | <u>(2,150,373)</u> | <u>(4,809,676)</u> | <u>2,922,083,013</u> | | |
| State Street Global Advisors | | | | | | | |
| State Street Treasury Money Market Fund - Inst. | 40,487,021 | 39,188 | 10,521 | 413,068 | 40,949,798 | 1.14% | 0.10% |
| S&P 500 Stock Index Fund Series A | 448,892,517 | 5,003,646 | 48,598 | 4,856,904 | 458,801,665 | 2.21% | 1.11% |
| Russell 3000 Index | 70,115,232 | 693,029 | 112,222 | (873,968) | 70,046,515 | -0.10% | 0.99% |
| US Real Estate Investment Trust Index | 34,550,255 | 4,599 | 51,142 | (132,247) | 34,473,749 | -0.22% | 0.01% |
| World Equity Ex-US Index | 52,591,549 | 1,063,373 | 9,138 | 346,345 | 54,010,405 | 2.70% | 2.02% |
| Long US Treasury Bond Index | 14,181,430 | 245,953 | (66,517) | 188,926 | 14,549,792 | 2.60% | 1.73% |
| US Treasury Inflation Protected Securities Index | 28,476,699 | 258,619 | (23,489) | (1,013,913) | 27,697,916 | -2.73% | 0.93% |
| World Government Bond Ex-US Index | 9,045,570 | 7,712 | (1,374) | 702,331 | 9,754,239 | 7.83% | 0.08% |
| Global Balanced Fund | 58,598,437 | 617,403 | (40,245) | (385,750) | 58,789,845 | 0.33% | 1.06% |
| Total Investments with SSGA | <u>756,938,709</u> | <u>7,933,522</u> | <u>99,996</u> | <u>4,101,696</u> | <u>769,073,923</u> | | |
| BlackRock | | | | | | | |
| Government/Credit Bond Fund | 44,319,520 | 234,572 | 32,738 | 1,084,407 | 45,671,237 | 3.05% | 0.52% |
| Intermediate Bond Fund | 43,671,724 | 8,994 | 15,668 | (937,512) | 42,758,874 | -2.09% | 0.02% |
| Total Investments with Barclays Global Investors | <u>87,991,244</u> | <u>243,566</u> | <u>48,406</u> | <u>146,895</u> | <u>88,430,111</u> | | |
| Brandes/Allianz (2) | | | | | | | |
| AK International Equity Fund | 72,062,925 | 1,234,820 | 144,850 | (729,809) | 72,712,786 | 0.90% | 1.72% |
| RCM | | | | | | | |
| Sustainable Core Opportunities Fund | 48,246,732 | 626,347 | (21,889) | 1,290,894 | 50,142,084 | 3.93% | 1.28% |
| Total All Funds | <u>\$ 3,875,051,510</u> | <u>\$ 29,269,417</u> | <u>\$ (1,879,010)</u> | <u>\$ -</u> | <u>\$ 3,902,441,917</u> | 0.71% | 0.76% |

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 Allianz NFJ International Fund effective March 30, 2015.

Supplemental Annuity Plan
Schedule of Invested Assets with
Schedule of Investment Income and Changes in Invested Assets
By Month Through the Month Ended
December 31, 2017
\$ (Thousands)

| <u>Invested Assets</u> (at fair value) | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
|--|---------------------|----------------------|-------------------------|-----------------------|------------------------|------------------------|
| Investments with T. Rowe Price | | | | | | |
| Stable Value Fund | \$ 364,205 | \$ 365,780 | \$ 366,528 | \$ 360,106 | \$ 353,887 | \$ 348,934 |
| Small Cap Stock Fund | 151,659 | 149,061 | 157,924 | 161,449 | 166,062 | 166,044 |
| Alaska Balanced Trust | 1,166,736 | 1,166,729 | 1,165,400 | 1,166,101 | 1,168,114 | 1,172,084 |
| Long Term Balanced Fund | 603,356 | 606,504 | 615,295 | 622,919 | 631,027 | 634,477 |
| AK Target Date 2010 Trust | 10,245 | 11,149 | 11,196 | 10,887 | 10,539 | 10,687 |
| AK Target Date 2015 Trust | 89,263 | 89,336 | 89,792 | 89,638 | 90,926 | 90,323 |
| AK Target Date 2020 Trust | 89,967 | 89,740 | 90,248 | 90,595 | 91,001 | 94,349 |
| AK Target Date 2025 Trust | 65,664 | 66,609 | 67,492 | 68,163 | 69,687 | 71,250 |
| AK Target Date 2030 Trust | 49,989 | 50,353 | 51,472 | 53,158 | 54,407 | 54,389 |
| AK Target Date 2035 Trust | 46,892 | 47,291 | 48,293 | 48,778 | 49,852 | 50,974 |
| AK Target Date 2040 Trust | 46,230 | 46,371 | 47,597 | 49,138 | 50,567 | 51,608 |
| AK Target Date 2045 Trust | 50,533 | 50,963 | 53,109 | 54,347 | 55,979 | 56,979 |
| AK Target Date 2050 Trust | 57,910 | 58,733 | 61,314 | 61,443 | 63,399 | 64,235 |
| AK Target Date 2055 Trust | 45,609 | 46,097 | 48,736 | 50,146 | 51,952 | 53,306 |
| AK Target Date 2060 Trust | 1,345 | 1,691 | 1,785 | 2,346 | 2,413 | 2,443 |
| State Street Global Advisors | | | | | | |
| State Street Treasury Money Market Fund - Inst. | 39,235 | 39,998 | 41,419 | 41,218 | 40,487 | 40,950 |
| S&P 500 Stock Index Fund Series A | 415,373 | 415,419 | 420,961 | 431,632 | 448,893 | 458,802 |
| Russell 3000 Index | 70,128 | 66,839 | 66,734 | 68,099 | 70,115 | 70,047 |
| US Real Estate Investment Trust Index | 36,464 | 33,654 | 34,246 | 33,176 | 34,550 | 34,474 |
| World Equity Ex-US Index | 45,537 | 47,473 | 49,676 | 52,249 | 52,592 | 54,010 |
| Long US Treasury Bond Index | 15,882 | 16,900 | 16,777 | 15,734 | 14,181 | 14,550 |
| US Treasury Inflation Protected Securities Index | 24,194 | 26,184 | 27,809 | 28,354 | 28,477 | 27,698 |
| World Government Bond Ex-US Index | 6,402 | 6,945 | 6,826 | 7,812 | 9,046 | 9,754 |
| Global Balanced Fund | 56,694 | 57,232 | 58,342 | 58,885 | 58,598 | 58,790 |
| Investments with BlackRock | | | | | | |
| Government/Credit Bond Fund | 40,956 | 41,207 | 40,767 | 42,910 | 44,320 | 45,671 |
| Intermediate Bond Fund | 41,854 | 41,690 | 43,475 | 44,557 | 43,672 | 42,759 |
| Investments with Brandes/Allianz Institutional | | | | | | |
| AK International Equity Fund | 66,833 | 66,981 | 69,881 | 70,770 | 72,063 | 72,713 |
| Investments with RCM | | | | | | |
| Sustainable Core Opportunities Fund | 44,360 | 43,226 | 44,319 | 45,667 | 48,247 | 50,142 |
| Total Invested Assets | \$ 3,743,516 | \$ 3,750,154 | \$ 3,797,411 | \$ 3,830,277 | \$ 3,875,052 | \$ 3,902,442 |
| <u>Change in Invested Assets</u> | | | | | | |
| Beginning Assets | \$ 3,691,373 | \$ 3,743,516 | \$ 3,750,154 | \$ 3,797,411 | \$ 3,830,277 | \$ 3,875,052 |
| Investment Earnings | 49,638 | 12,834 | 43,128 | 41,332 | 50,465 | 29,269 |
| Net Contributions (Withdrawals) | 2,504 | (6,195) | 4,129 | (8,467) | (5,690) | (1,879) |
| Ending Invested Assets | \$ 3,743,516 | \$ 3,750,154 | \$ 3,797,411 | \$ 3,830,277 | \$ 3,875,052 | \$ 3,902,442 |

Deferred Compensation Plan
Schedule of Invested Assets and Changes in Invested Assets
for the Month Ended
December 31, 2017

| | Beginning Invested Assets | Investment 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 | | | | | | | |
| Interest Income Fund | \$ 178,116,285 | \$ 351,690 | \$ (619,563) | \$ 126,409 | \$ 177,974,821 | -0.08% | 0.20% |
| Small Cap Stock Fund | 107,622,933 | (285,539) | 23,924 | (464,597) | 106,896,721 | -0.67% | -0.27% |
| Alaska Balanced Trust | 25,460,297 | 158,970 | (219,802) | 323,442 | 25,722,907 | 1.03% | 0.62% |
| Long Term Balanced Fund | 53,447,387 | 473,320 | (4,930) | (219,450) | 53,696,327 | 0.47% | 0.89% |
| AK Target Date 2010 Trust | 3,905,580 | 27,516 | (1,112) | (40,128) | 3,891,856 | -0.35% | 0.71% |
| AK Target Date 2015 Trust | 9,497,842 | 73,292 | (8,406) | (110,018) | 9,452,710 | -0.48% | 0.78% |
| AK Target Date 2020 Trust | 24,984,818 | 227,731 | 234,525 | 527,537 | 25,974,611 | 3.96% | 0.90% |
| AK Target Date 2025 Trust | 15,725,146 | 155,560 | 182,870 | 213,756 | 16,277,332 | 3.51% | 0.98% |
| AK Target Date 2030 Trust | 10,286,529 | 107,765 | 102,432 | (228,718) | 10,268,008 | -0.18% | 1.05% |
| AK Target Date 2035 Trust | 6,324,240 | 72,792 | 82,746 | (116) | 6,479,662 | 2.46% | 1.14% |
| AK Target Date 2040 Trust | 7,471,335 | 89,948 | 31,920 | 164,284 | 7,757,487 | 3.83% | 1.19% |
| AK Target Date 2045 Trust | 4,870,120 | 60,338 | 68,799 | 142,602 | 5,141,859 | 5.58% | 1.21% |
| AK Target Date 2050 Trust | 3,531,008 | 42,695 | 48,973 | 18,893 | 3,641,569 | 3.13% | 1.20% |
| AK Target Date 2055 Trust | 3,998,963 | 47,882 | 44,652 | (5,235) | 4,086,262 | 2.18% | 1.19% |
| AK Target Date 2060 Trust | 286,822 | 4,073 | 1,309 | 66,335 | 358,539 | 25.00% | 1.27% |
| Total Investments with T. Rowe Price | <u>455,529,305</u> | <u>1,608,033</u> | <u>(31,663)</u> | <u>514,996</u> | <u>457,620,671</u> | | |
| State Street Global Advisors | | | | | | | |
| State Street Treasury Money Market Fund - Inst. | 13,015,969 | 12,598 | 28,543 | 95,522 | 13,152,632 | 1.05% | 0.10% |
| Russell 3000 Index | 41,312,542 | 410,406 | 178,619 | (128,366) | 41,773,201 | 1.12% | 0.99% |
| US Real Estate Investment Trust Index | 12,506,310 | 1,270 | 33,770 | (14,756) | 12,526,594 | 0.16% | 0.01% |
| World Equity Ex-US Index | 18,648,799 | 376,368 | 64,669 | 25,639 | 19,115,475 | 2.50% | 2.01% |
| Long US Treasury Bond Index | 5,542,023 | 95,140 | 3,174 | (224,935) | 5,415,402 | -2.28% | 1.75% |
| US Treasury Inflation Protected Securities Index | 12,391,180 | 114,709 | 32,493 | (35,273) | 12,503,109 | 0.90% | 0.93% |
| World Government Bond Ex-US Index | 3,008,644 | 1,339 | 3,465 | (112,347) | 2,901,101 | -3.57% | 0.05% |
| Global Balanced Fund | <u>39,787,827</u> | <u>422,035</u> | <u>(37,572)</u> | <u>10,980</u> | <u>40,183,270</u> | <u>0.99%</u> | <u>1.06%</u> |
| Total Investments with SSGA | <u>146,213,294</u> | <u>1,433,865</u> | <u>307,161</u> | <u>(383,536)</u> | <u>147,570,784</u> | | |
| BlackRock | | | | | | | |
| S&P 500 Index Fund | 212,470,078 | 2,352,694 | (1,097,512) | (347,953) | 213,377,307 | 0.43% | 1.11% |
| Government/Credit Bond Fund | 27,927,844 | 145,197 | (141,957) | 62,925 | 27,994,009 | 0.24% | 0.52% |
| Intermediate Bond Fund | <u>24,375,817</u> | <u>5,244</u> | <u>63,828</u> | <u>177,623</u> | <u>24,622,512</u> | <u>1.01%</u> | <u>0.02%</u> |
| Total Investments with Barclays Global Investors | <u>264,773,739</u> | <u>2,503,135</u> | <u>(1,175,641)</u> | <u>(107,405)</u> | <u>265,993,828</u> | | |
| Brandes/Allianz (2) | | | | | | | |
| AK International Equity Fund | 38,371,001 | 667,341 | 37,105 | (203,706) | 38,871,741 | 1.30% | 1.74% |
| RCM | | | | | | | |
| Sustainable Core Opportunities Fund | <u>21,478,886</u> | <u>276,887</u> | <u>(45,921)</u> | <u>179,651</u> | <u>21,889,503</u> | <u>1.91%</u> | <u>1.29%</u> |
| Total All Funds | <u>\$ 926,366,225</u> | <u>\$ 6,489,261</u> | <u>\$ (908,959)</u> | <u>\$ -</u> | <u>\$ 931,946,527</u> | <u>0.60%</u> | <u>0.70%</u> |

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, 50% Brandes International equity Fund and 50% Allianz NFJ International Fund effective March 30, 2015.

Deferred Compensation Plan
Schedule of Invested Assets with
Schedule of Investment Income and Changes in Invested Assets
By Month Through the Month Ended
December 31, 2017
\$ (Thousands)

| <u>Invested Assets (at fair value)</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
|--|--------------------|----------------------|-------------------------|-----------------------|------------------------|------------------------|
| Investments with T. Rowe Price | | | | | | |
| Interest Income Fund | | | | | | |
| Cash and cash equivalents | \$ 8,401 | \$ 9,612 | \$ 8,488 | \$ 9,877 | \$ 8,201 | \$ 7,188 |
| Synthetic Investment Contracts | 173,446 | 173,326 | 174,310 | 169,713 | 169,774 | 170,787 |
| Small Cap Stock Fund | 100,498 | 99,836 | 104,611 | 105,742 | 107,623 | 106,897 |
| Alaska Balanced Trust | 24,817 | 25,129 | 25,370 | 25,553 | 25,460 | 25,723 |
| Long Term Balanced Fund | 52,125 | 51,564 | 52,393 | 52,591 | 53,447 | 53,696 |
| AK Target Date 2010 Trust | 4,017 | 3,833 | 3,845 | 4,080 | 3,906 | 3,892 |
| AK Target Date 2015 Trust | 9,501 | 8,990 | 9,083 | 9,314 | 9,498 | 9,453 |
| AK Target Date 2020 Trust | 23,763 | 23,517 | 23,964 | 24,077 | 24,985 | 25,975 |
| AK Target Date 2025 Trust | 14,675 | 14,767 | 15,171 | 15,346 | 15,725 | 16,277 |
| AK Target Date 2030 Trust | 9,551 | 9,736 | 9,628 | 9,940 | 10,287 | 10,268 |
| AK Target Date 2035 Trust | 5,962 | 6,040 | 6,275 | 6,296 | 6,324 | 6,480 |
| AK Target Date 2040 Trust | 6,786 | 6,955 | 7,073 | 7,332 | 7,471 | 7,757 |
| AK Target Date 2045 Trust | 4,348 | 4,471 | 4,738 | 4,825 | 4,870 | 5,142 |
| AK Target Date 2050 Trust | 3,172 | 3,257 | 3,475 | 3,412 | 3,531 | 3,642 |
| AK Target Date 2055 Trust | 3,559 | 3,650 | 3,760 | 3,889 | 3,999 | 4,086 |
| AK Target Date 2060 Trust | 320 | 324 | 198 | 300 | 287 | 359 |
| State Street Global Advisors | | | | | | |
| State Street Treasury Money Market Fund - Inst. | 12,513 | 13,224 | 13,573 | 13,090 | 13,016 | 13,153 |
| Russell 3000 Index | 36,758 | 36,700 | 38,080 | 39,675 | 41,313 | 41,773 |
| US Real Estate Investment Trust Index | 13,056 | 12,700 | 12,472 | 12,241 | 12,506 | 12,527 |
| World Equity Ex-US Index | 16,229 | 16,514 | 17,038 | 18,170 | 18,649 | 19,115 |
| Long US Treasury Bond Index | 5,216 | 5,661 | 5,508 | 5,456 | 5,542 | 5,415 |
| US Treasury Inflation Protected Securities Index | 10,201 | 10,563 | 11,277 | 11,855 | 12,391 | 12,503 |
| World Government Bond Ex-US Index | 2,683 | 2,840 | 2,815 | 2,826 | 3,009 | 2,901 |
| Global Balanced Fund | 39,497 | 39,731 | 39,253 | 39,484 | 39,788 | 40,183 |
| Investments with BlackRock | | | | | | |
| S&P 500 Index Fund | 203,538 | 202,396 | 203,415 | 205,876 | 212,470 | 213,377 |
| Government/Credit Bond Fund | 26,379 | 26,773 | 26,671 | 27,434 | 27,928 | 27,994 |
| Intermediate Bond Fund | 22,839 | 23,380 | 24,064 | 24,617 | 24,376 | 24,623 |
| Investments with Brandes/Allianz | | | | | | |
| AK International Equity Fund | 36,985 | 36,714 | 37,923 | 38,356 | 38,371 | 38,872 |
| Investments with RCM | | | | | | |
| Sustainable Core Opportunities Fund | 18,796 | 18,734 | 19,666 | 20,339 | 21,479 | 21,890 |
| Total Invested Assets | \$ 889,632 | \$ 890,937 | \$ 904,137 | \$ 911,707 | \$ 926,225 | \$ 931,947 |
| <u>Change in Invested Assets</u> | | | | | | |
| Beginning Assets | \$ 877,971 | \$ 889,632 | \$ 890,937 | \$ 904,137 | \$ 911,707 | \$ 926,366 |
| Investment Earnings | 11,573 | 2,211 | 13,759 | 10,691 | 14,671 | 6,489 |
| Net Contributions (Withdrawals) | 88 | (906) | (559) | (3,121) | (12) | (909) |
| Ending Invested Assets | \$ 889,632 | \$ 890,937 | \$ 904,137 | \$ 911,707 | \$ 926,366 | \$ 931,947 |

Defined Contribution Retirement - Participant Directed PERS
Schedule of Investment Income and Changes in Invested Assets
for the Month Ended
December 31, 2017

| | <u>Beginning Invested Assets</u> | <u>Investment Income</u> | <u>Net Contributions (Withdrawals)</u> | <u>Transfers In (Out)</u> | <u>Ending Invested Assets</u> | <u>% Change in Invested Assets</u> | <u>% Change due to Investment Income (1)</u> |
|--|--------------------------------------|--------------------------|--|-------------------------------|-----------------------------------|--|--|
| Participant Options | | | | | | | |
| T. Rowe Price | | | | | | | |
| Alaska Money Market | \$ 5,345,344 | \$ 5,378 | \$ 25,850 | \$ (189,392) | \$ 5,187,180 | -2.96% | 0.10% |
| Small Cap Stock Fund | 76,283,290 | (199,376) | 271,358 | (406,970) | 75,948,302 | -0.44% | -0.26% |
| Alaska Balanced Trust | 20,486,314 | 131,411 | 44,844 | 565,231 | 21,227,800 | 3.62% | 0.63% |
| Long Term Balanced Fund | 14,696,130 | 134,822 | 25,598 | 681,193 | 15,537,743 | 5.73% | 0.90% |
| AK Target Date 2010 Trust | 2,432,381 | 17,015 | 6,106 | 48,329 | 2,503,831 | 2.94% | 0.69% |
| AK Target Date 2015 Trust | 11,285,688 | 88,435 | 120,971 | 10,753 | 11,505,847 | 1.95% | 0.78% |
| AK Target Date 2020 Trust | 29,533,529 | 264,668 | 283,991 | (49,616) | 30,032,572 | 1.69% | 0.89% |
| AK Target Date 2025 Trust | 46,752,820 | 458,200 | 503,529 | (65,714) | 47,648,835 | 1.92% | 0.98% |
| AK Target Date 2030 Trust | 49,147,650 | 522,594 | 520,152 | 21,973 | 50,212,369 | 2.17% | 1.06% |
| AK Target Date 2035 Trust | 58,170,214 | 657,709 | 711,632 | (182,332) | 59,357,223 | 2.04% | 1.13% |
| AK Target Date 2040 Trust | 68,618,813 | 811,650 | 784,912 | (143,153) | 70,072,222 | 2.12% | 1.18% |
| AK Target Date 2045 Trust | 86,797,222 | 1,046,955 | 1,122,602 | (257,433) | 88,709,346 | 2.20% | 1.20% |
| AK Target Date 2050 Trust | 103,823,864 | 1,249,903 | 1,093,036 | (323,176) | 105,843,627 | 1.95% | 1.20% |
| AK Target Date 2055 Trust | 79,247,352 | 960,860 | 1,492,603 | 7,066 | 81,707,881 | 3.10% | 1.20% |
| AK Target Date 2060 Trust | 535,924 | 7,536 | 7,146 | 110,562 | 661,168 | 23.37% | 1.27% |
| Total Investments with T. Rowe Price | <u>653,156,535</u> | <u>6,157,760</u> | <u>7,014,330</u> | <u>(172,679)</u> | <u>666,155,946</u> | | |
| State Street Global Advisors | | | | | | | |
| Money Market | 4,428,690 | 4,299 | (134,366) | 231,790 | 4,530,413 | 2.30% | 0.10% |
| S&P 500 Stock Index Fund Series A | 93,758,209 | 1,036,494 | 270,469 | (1,104,620) | 93,960,552 | 0.22% | 1.11% |
| Russell 3000 Index | 10,723,890 | 104,963 | 81,695 | (399,064) | 10,511,484 | -1.98% | 0.99% |
| US Real Estate Investment Trust Index | 14,995,485 | 2,580 | 53,235 | (79,988) | 14,971,312 | -0.16% | 0.02% |
| World Equity Ex-US Index | 42,291,714 | 842,612 | 169,866 | (440,863) | 42,863,329 | 1.35% | 2.00% |
| Long US Treasury Bond Index | 1,071,526 | 18,721 | 4,999 | (25,368) | 1,069,878 | -0.15% | 1.76% |
| US Treasury Inflation Protected Securities Index | 13,293,908 | 121,169 | 22,434 | (409,302) | 13,028,209 | -2.00% | 0.92% |
| World Government Bond Ex-US Index | 5,683,230 | 11,498 | 6,074 | 1,008,133 | 6,708,935 | 18.05% | 0.19% |
| Global Balanced Fund | 11,898,212 | 121,255 | 22,421 | (280,495) | 11,761,393 | -1.15% | 1.03% |
| Total Investments with SSGA | <u>198,144,864</u> | <u>2,263,591</u> | <u>496,827</u> | <u>(1,499,777)</u> | <u>199,405,505</u> | | |
| BlackRock | | | | | | | |
| Government/Credit Bond Fund | 38,020,363 | 202,288 | 44,107 | 1,849,136 | 40,115,894 | 5.51% | 0.52% |
| Intermediate Bond Fund | 22,458,706 | 4,749 | 32,204 | (702,567) | 21,793,092 | -2.96% | 0.02% |
| Total Investments with Barclays Global Investors | <u>60,479,069</u> | <u>207,037</u> | <u>76,311</u> | <u>1,146,569</u> | <u>61,908,986</u> | | |
| Brandes/Allianz (2) | | | | | | | |
| AK International Equity Fund | 47,005,578 | 828,828 | 196,710 | 131,862 | 48,162,978 | 2.46% | 1.76% |
| RCM | | | | | | | |
| Sustainable Core Opportunities Fund | 4,338,581 | 54,944 | 39,752 | 394,025 | 4,827,302 | 11.26% | 1.21% |
| Total All Funds | <u>\$ 963,124,627</u> | <u>\$ 9,512,160</u> | <u>\$ 7,823,930</u> | <u>\$ -</u> | <u>\$ 980,460,717</u> | 1.80% | 0.98% |

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, 50% Brandes International equity Fund and 50% Allianz NFJ International Fund effective March 30, 2015.

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
December 31, 2017
\$ (Thousands)

| <u>Invested Assets (at fair value)</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
|--|--------------------|----------------------|-------------------------|-----------------------|------------------------|------------------------|
| Investments with T. Rowe Price | | | | | | |
| Alaska Money Market | \$ 5,421 | \$ 5,197 | \$ 5,098 | \$ 5,171 | \$ 5,345 | \$ 5,187 |
| Small Cap Stock Fund | 67,548 | 68,375 | 72,829 | 74,641 | 76,283 | 75,948 |
| Alaska Balanced Trust | 17,217 | 18,558 | 18,910 | 19,306 | 20,486 | 21,228 |
| Long Term Balanced Fund | 12,163 | 12,618 | 12,778 | 13,529 | 14,696 | 15,538 |
| AK Target Date 2010 Trust | 2,178 | 2,226 | 2,227 | 2,345 | 2,432 | 2,504 |
| AK Target Date 2015 Trust | 10,630 | 10,672 | 10,886 | 11,099 | 11,286 | 11,506 |
| AK Target Date 2020 Trust | 27,548 | 27,692 | 28,120 | 28,715 | 29,534 | 30,033 |
| AK Target Date 2025 Trust | 42,579 | 43,234 | 44,364 | 45,446 | 46,753 | 47,649 |
| AK Target Date 2030 Trust | 44,774 | 45,446 | 46,674 | 47,861 | 49,148 | 50,212 |
| AK Target Date 2035 Trust | 52,490 | 53,122 | 54,799 | 56,429 | 58,170 | 59,357 |
| AK Target Date 2040 Trust | 62,149 | 62,813 | 64,609 | 66,423 | 68,619 | 70,072 |
| AK Target Date 2045 Trust | 78,543 | 79,273 | 81,600 | 84,067 | 86,797 | 88,709 |
| AK Target Date 2050 Trust | 93,494 | 94,928 | 97,922 | 100,536 | 103,824 | 105,844 |
| AK Target Date 2055 Trust | 68,678 | 70,301 | 73,230 | 76,044 | 79,247 | 81,708 |
| AK Target Date 2060 Trust | 344 | 372 | 371 | 398 | 536 | 661 |
| State Street Global Advisors | | | | | | |
| Money Market | 4,137 | 4,644 | 4,512 | 4,246 | 4,429 | 4,530 |
| S&P 500 Stock Index Fund Series A | 83,318 | 85,208 | 88,928 | 91,590 | 93,758 | 93,961 |
| Russell 3000 Index | 12,842 | 11,264 | 10,716 | 10,855 | 10,724 | 10,511 |
| US Real Estate Investment Trust Index | 15,007 | 14,807 | 14,661 | 14,528 | 14,995 | 14,971 |
| World Equity Ex-US Index | 40,608 | 40,674 | 41,580 | 42,240 | 42,292 | 42,863 |
| Long US Treasury Bond Index | 1,201 | 1,490 | 1,391 | 1,043 | 1,072 | 1,070 |
| US Treasury Inflation Protected Securities Index | 13,538 | 14,160 | 14,117 | 13,578 | 13,294 | 13,028 |
| World Government Bond Ex-US Index | 3,969 | 4,135 | 3,958 | 4,607 | 5,683 | 6,709 |
| Global Balanced Fund | 17,025 | 14,867 | 13,469 | 12,464 | 11,898 | 11,761 |
| Investments with BlackRock | | | | | | |
| Government/Credit Bond Fund | 35,968 | 36,547 | 35,773 | 36,274 | 38,020 | 40,116 |
| Intermediate Bond Fund | 23,575 | 24,238 | 24,076 | 22,971 | 22,459 | 21,793 |
| Investments with Brandes/Allianz | | | | | | |
| International Equity Fund | 42,711 | 42,865 | 44,728 | 46,190 | 47,006 | 48,163 |
| Investments with RCM | | | | | | |
| Sustainable Core Opportunities Fund | 3,887 | 3,827 | 3,941 | 4,201 | 4,339 | 4,827 |
| Total Invested Assets | \$ 883,542 | \$ 893,551 | \$ 916,266 | \$ 936,797 | \$ 963,125 | \$ 980,461 |
| <u>Change in Invested Assets</u> | | | | | | |
| Beginning Assets | \$ 860,874 | \$ 883,542 | \$ 893,551 | \$ 916,266 | \$ 936,797 | \$ 963,125 |
| Investment Earnings | 16,290 | 2,484 | 15,875 | 13,264 | 16,813 | 9,512 |
| Net Contributions (Withdrawals) | 6,378 | 7,525 | 6,839 | 7,267 | 9,515 | 7,824 |
| Ending Invested Assets | \$ 883,542 | \$ 893,551 | \$ 916,266 | \$ 936,797 | \$ 963,125 | \$ 980,461 |

Defined Contribution Retirement - Participant Directed TRS
Schedule of Investment Income and Changes in Invested Assets
for the Month Ended
December 31, 2017

| | <u>Beginning Invested Assets</u> | <u>Investment Income</u> | <u>Net Contributions (Withdrawals)</u> | <u>Transfers In (Out)</u> | <u>Ending Invested Assets</u> | <u>% Change in Invested Assets</u> | <u>% Change due to Investment Income (1)</u> |
|--|--------------------------------------|--------------------------|--|-------------------------------|-----------------------------------|--|--|
| Participant Options | | | | | | | |
| T. Rowe Price | | | | | | | |
| Alaska Money Market | \$ 2,008,215 | \$ 2,004 | \$ 19,840 | \$ (91,898) | \$ 1,938,161 | -3.49% | 0.10% |
| Small Cap Stock Fund | 32,540,667 | (84,081) | 153,875 | (60,594) | 32,549,867 | 0.03% | -0.26% |
| Alaska Balanced Trust | 9,156,520 | 58,916 | 52,101 | 299,087 | 9,566,624 | 4.48% | 0.63% |
| Long Term Balanced Fund | 6,147,118 | 57,206 | 23,282 | 396,654 | 6,624,260 | 7.76% | 0.90% |
| AK Target Date 2010 Trust | 561,037 | 3,728 | (13,066) | - | 551,699 | -1.66% | 0.67% |
| AK Target Date 2015 Trust | 3,110,498 | 24,228 | 10,423 | - | 3,145,149 | 1.11% | 0.78% |
| AK Target Date 2020 Trust | 8,798,859 | 78,874 | 104,883 | (52,479) | 8,930,137 | 1.49% | 0.89% |
| AK Target Date 2025 Trust | 14,701,073 | 144,455 | 180,239 | (1,753) | 15,024,014 | 2.20% | 0.98% |
| AK Target Date 2030 Trust | 17,419,616 | 185,785 | 242,639 | - | 17,848,040 | 2.46% | 1.06% |
| AK Target Date 2035 Trust | 25,460,542 | 288,002 | 395,517 | - | 26,144,061 | 2.68% | 1.12% |
| AK Target Date 2040 Trust | 27,252,117 | 322,043 | 391,085 | (116,042) | 27,849,203 | 2.19% | 1.18% |
| AK Target Date 2045 Trust | 42,593,795 | 510,914 | 464,319 | (56,549) | 43,512,479 | 2.16% | 1.19% |
| AK Target Date 2050 Trust | 60,032,669 | 720,326 | 595,361 | (4,706) | 61,343,650 | 2.18% | 1.19% |
| AK Target Date 2055 Trust | 25,148,835 | 304,371 | 729,917 | (1,285) | 26,181,838 | 4.11% | 1.19% |
| AK Target Date 2060 Trust | 157,860 | 1,887 | 1,756 | - | 161,503 | 2.31% | 1.19% |
| Total Investments with T. Rowe Price | <u>275,089,421</u> | <u>2,618,658</u> | <u>3,352,171</u> | <u>310,435</u> | <u>281,370,685</u> | | |
| State Street Global Advisors | | | | | | | |
| Money Market | 488,698 | 461 | 5,845 | (6,573) | 488,431 | -0.05% | 0.09% |
| S&P 500 Stock Index Fund Series A | 38,327,846 | 424,233 | 210,156 | (666,670) | 38,295,565 | -0.08% | 1.11% |
| Russell 3000 Index | 3,524,392 | 34,211 | 35,298 | (232,604) | 3,361,297 | -4.63% | 1.00% |
| US Real Estate Investment Trust Index | 5,824,449 | 1,452 | 31,746 | 2,051 | 5,859,698 | 0.61% | 0.02% |
| World Equity Ex-US Index | 18,607,241 | 370,757 | 95,689 | (180,437) | 18,893,250 | 1.54% | 2.00% |
| Long US Treasury Bond Index | 244,674 | 4,246 | 4,345 | 20 | 253,285 | 3.52% | 1.72% |
| US Treasury Inflation Protected Securities Index | 5,259,789 | 47,756 | 28,602 | (208,240) | 5,127,907 | -2.51% | 0.92% |
| World Government Bond Ex-US Index | 2,323,073 | 5,056 | 13,612 | 448,337 | 2,790,078 | 20.10% | 0.20% |
| Global Balanced Fund | 6,003,940 | 60,782 | 28,402 | (190,931) | 5,902,193 | -1.69% | 1.03% |
| Total Investments with SSGA | <u>80,604,102</u> | <u>948,954</u> | <u>453,695</u> | <u>(1,035,047)</u> | <u>80,971,704</u> | | |
| BlackRock | | | | | | | |
| Government/Credit Bond Fund | 16,921,293 | 90,203 | 98,402 | 843,723 | 17,953,621 | 6.10% | 0.52% |
| Intermediate Bond Fund | 9,280,461 | 2,014 | 45,490 | (375,326) | 8,952,639 | -3.53% | 0.02% |
| Total Investments with Barclays Global Investors | <u>26,201,754</u> | <u>92,217</u> | <u>143,892</u> | <u>468,397</u> | <u>26,906,260</u> | | |
| Brandes/Allianz Institutional (2) | | | | | | | |
| AK International Equity Fund | 19,717,914 | 348,024 | 102,079 | 53,478 | 20,221,495 | 2.55% | 1.76% |
| RCM | | | | | | | |
| Sustainable Core Opportunities Fund | 1,745,208 | 22,089 | 15,359 | 202,737 | 1,985,393 | 13.76% | 1.19% |
| Total All Funds | <u>\$ 403,358,399</u> | <u>\$ 4,029,942</u> | <u>\$ 4,067,196</u> | <u>\$ -</u> | <u>\$ 411,455,537</u> | 2.01% | 0.99% |

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, 50% Brandes International equity Fund and 50% Allianz NFJ International Fund effective March 30, 2015.

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
December 31, 2017
\$ (Thousands)

| <u>Invested Assets (at fair value)</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
|--|--------------------|----------------------|-------------------------|-----------------------|------------------------|------------------------|
| Investments with T. Rowe Price | | | | | | |
| Alaska Money Market | \$ 1,937 | \$ 1,878 | \$ 1,873 | \$ 1,995 | \$ 2,008 | \$ 1,938 |
| Small Cap Stock Fund | 28,707 | 28,667 | 30,609 | 31,650 | 32,541 | 32,550 |
| Alaska Balanced Trust | 7,912 | 8,511 | 8,558 | 8,701 | 9,157 | 9,567 |
| Long Term Balanced Fund | 5,161 | 5,307 | 5,298 | 5,652 | 6,147 | 6,624 |
| AK Target Date 2010 Trust | 529 | 531 | 538 | 548 | 561 | 552 |
| AK Target Date 2015 Trust | 3,158 | 3,055 | 3,057 | 3,116 | 3,110 | 3,145 |
| AK Target Date 2020 Trust | 8,280 | 8,243 | 8,292 | 8,544 | 8,799 | 8,930 |
| AK Target Date 2025 Trust | 13,635 | 13,648 | 13,808 | 14,273 | 14,701 | 15,024 |
| AK Target Date 2030 Trust | 15,899 | 15,882 | 16,400 | 16,874 | 17,420 | 17,848 |
| AK Target Date 2035 Trust | 23,490 | 23,450 | 24,037 | 24,723 | 25,461 | 26,144 |
| AK Target Date 2040 Trust | 24,842 | 24,987 | 25,713 | 26,565 | 27,252 | 27,849 |
| AK Target Date 2045 Trust | 39,520 | 39,406 | 40,095 | 41,340 | 42,594 | 43,512 |
| AK Target Date 2050 Trust | 55,405 | 55,421 | 56,491 | 58,293 | 60,033 | 61,344 |
| AK Target Date 2055 Trust | 22,066 | 22,168 | 22,806 | 24,028 | 25,149 | 26,182 |
| AK Target Date 2060 Trust | 138 | 138 | 149 | 154 | 158 | 162 |
| State Street Global Advisors | | | | | | |
| Money Market | 475 | 636 | 538 | 479 | 489 | 488 |
| S&P 500 Stock Index Fund Series A | 34,267 | 34,650 | 36,172 | 37,327 | 38,328 | 38,296 |
| Russell 3000 Index | 4,690 | 3,996 | 3,806 | 3,677 | 3,524 | 3,361 |
| US Real Estate Investment Trust Index | 5,838 | 5,598 | 5,648 | 5,607 | 5,824 | 5,860 |
| World Equity Ex-US Index | 17,781 | 17,679 | 18,130 | 18,516 | 18,607 | 18,893 |
| Long US Treasury Bond Index | 261 | 265 | 241 | 235 | 245 | 253 |
| US Treasury Inflation Protected Securities Index | 5,529 | 5,771 | 5,679 | 5,404 | 5,260 | 5,128 |
| World Government Bond Ex-US Index | 1,689 | 1,744 | 1,647 | 1,903 | 2,323 | 2,790 |
| Global Balanced Fund | 8,517 | 7,529 | 6,783 | 6,292 | 6,004 | 5,902 |
| Investments with BlackRock | | | | | | |
| Government/Credit Bond Fund | 16,784 | 16,984 | 16,335 | 16,359 | 16,921 | 17,954 |
| Intermediate Bond Fund | 10,039 | 10,238 | 10,023 | 9,541 | 9,280 | 8,953 |
| Investments with Brandes/Allianz | | | | | | |
| AK International Equity Fund | 17,504 | 17,430 | 18,359 | 19,233 | 19,718 | 20,221 |
| Investments with RCM | | | | | | |
| Sustainable Core Opportunities Fund | 1,586 | 1,589 | 1,634 | 1,685 | 1,745 | 1,985 |
| Total Invested Assets | \$ 375,637 | \$ 375,400 | \$ 382,722 | \$ 392,715 | \$ 403,358 | \$ 411,456 |
| <u>Change in Invested Assets</u> | | | | | | |
| Beginning Assets | \$ 367,438 | \$ 375,637 | \$ 375,400 | \$ 382,722 | \$ 392,715 | \$ 403,358 |
| Investment Earnings | 7,056 | 1,040 | 6,703 | 5,606 | 7,091 | 4,030 |
| Net Contributions (Withdrawals) | 1,144 | (1,277) | 619 | 4,387 | 3,552 | 4,067 |
| Ending Invested Assets | \$ 375,637 | \$ 375,400 | \$ 382,722 | \$ 392,715 | \$ 403,358 | \$ 411,456 |