

OFFICE OF THE  
**ARIZONA STATE TREASURER**



**Kimberly Yee**

**TREASURER**



**FEBRUARY 2020**

**Presented To:**

**Arizona State Board of Investment**

**March 31, 2020**



STATE BOARD OF INVESTMENT

**A G E N D A**

**March 31, 2020**

1. Call to Order; Opening Remarks .....The Honorable Kimberly Yee, Chair
2. Approval of Minutes of February 27, 2020 BOI Meeting
3. Investment Outlook and Summary Review of Treasurer’s Monthly Reports
  - A. State Agency Earnings Distributions ..... Dennis Stevenson, CIO  
State Agency Operating Average Invested Balances  
State Agency Investments and Performance Reports
  - B. LGIP Yield Analysis ..... Jake Richardson, Portfolio Manager  
LGIP Pools Investments and Performance Reports
  - C. Endowment Earnings Distributions ..... Tim White, Director of Endowments  
Land Sales Monthly Proceeds Endowment Funds  
Endowment Investments and Performance Reports
4. Approval of the February 2020 Report
5. Legislative Report .....Fareed Bailey, Director of Legislative Affairs
6. Treasurer’s Report ..... The Honorable Kimberly Yee, Chair
7. Market Outlook.....Harry Papp, Board Member
8. Call to the Public
9. Notice of Next Meeting
10. Adjournment

**REPORT OF THE STATE TREASURER**

**FOR**

**March 31, 2020**

**TABLE OF CONTENTS**

	<u>Page</u>
Minutes of Board of Investment Meeting .....	iii-v
Review of Treasurer’s Monthly Reports:	
A. Earnings Distribution; Investment Pools .....	1
B. Operating Monies Invested Balances .....	2
C. State Agency Pools Investments and Performance Reports .....	3-21
D. LGIP Pools Investments and Performance Reports.....	22-32
E. Earnings Distributed PLETF Funds .....	33
F. Land Sales Monthly Proceeds PLETF Funds.....	34
G. PLETF Investments and Performance Reports.....	35-54
H. AZ Endowment Trust Investments and Performance Reports.....	55-58

**Minutes of  
BOARD OF INVESTMENT MEETING  
February 27, 2020**

The regular meeting of the State Board of Investment was held on February 27, 2020 in the Office of the State Treasurer, 1700 West Washington, State Capitol, West Wing, Treasurer's Conference Room, Phoenix, Arizona. Treasurer Yee called the meeting to order at 1:30 p.m.

**Members Present:**

The Honorable Kimberly Yee, Chair, State Treasurer  
Harry A. Papp, CFA & Managing Partner, L. Roy Papp & Associate

**Member Absent:**

Beth Ford, Treasurer, Pima County (Excused)

**Designees Present:**

Nicole Sornsins, General Counsel, for Andy Tobin, Director of Arizona Department of Administration  
Stephen Briggs, Legislative Liaison, for Keith Schraad, Interim Supervisor for Department of Financial Institution

**Others Present:**

Mark Swenson, Deputy Treasurer, Arizona State Treasurer's Office  
Dennis Stevenson, Chief Investment Officer, Arizona State Treasurer's Office  
Tim White, Director of Endowments, Arizona State Treasurer's Office  
Eric Stivers, Financial Analyst, Arizona State Treasurer's Office  
Michael Leslein, Investment Accounting Manager, Arizona State Treasurer's Office  
Fareed Bailey, Director of Legislative Affairs  
Nick Barnhiser, IT Director, Arizona State Treasurer's Office  
Ken Price, Human Resource Manager, Arizona State Treasurer's Office  
Ken Karwowski, Investment Analyst  
Briana Johnson, Public Information Officer

**1. Call to Order**

Treasurer Yee called the February 27, 2020 BOI meeting to order at 1:30 p.m.

**Treasurer's Comments**

Treasurer Yee welcomed the Board members, noting new Board Member Christina Corieri, Interim Director of Insurance and Financial Institutions, as well as guests and thanked everyone for attending the meeting.

**2. Approval of Minutes**

*Mr. Papp moved to approve the minutes of January 28, 2020 as distributed; seconded by Ms. Briggs. Motion carried unanimously.*

**With no objections, Chair Treasurer Yee rearranged the agenda to hear the Legislative Report before the Review of the Treasurer's Month Reports.**

**3. Legislative Report – Fared Bailey, Director of Legislative Affairs**

Mr. Bailey gave an overview of the eleven legislative bills effecting the Treasury making their way through the legislative process.

**4. Investment Outlook and Summary Review of the Treasurer's Monthly Reports**

**A. State Agency Earning Distributions, Average Invested Balances, and Performance Reports**

Chief Investment Officer, Dennis Stevenson, highlighted the results of the State Agencies performances for the month of January 2020. See memo.

**B. LGIP Yield Analysis, Pool Investments and Performance Reports**

Portfolio Manager, Jake Richardson, highlighted the results for the Local Government Investment Pools performance for the month of January 2020. See memo.

**C. Endowment Earnings Distributions, Land Sale Monthly Proceeds Endowment Funds, Endowment Investments and Performance Reports, Broker Activity Report**

Director of Endowments, Tim White, highlighted the results for the Endowment performances for the month of January 2020. See memo.

**5. Approval of January 2020 Monthly Report**

*Ms. Sornsin moved to approve the Treasurer's January 2020 Monthly Report. Mr. Briggs seconded the motion. Motion carried unanimously.*

**6. Treasurer's Report – The Honorable Kimberly Yee**

Treasurer Yee thanked the Treasury staff for their work. She welcomed Christina Corieri to the Board as the Interim Director of Insurance and Financial Institutions. The Treasurer gave a brief follow-up of the effect of some legislative bills on the Treasury and thanked Mr. Bailey for his work.

**7. Market Outlook**

Mr. Papp provided the Board with a brief Market Outlook.

**8. Call to the Public**

State Treasurer's Report  
March 31, 2020 Meeting  
Minutes of the February 27, 2020 Meeting

There was no public comment.

**9. Notice of Next Meeting**

Treasurer Yee advised the Board that the next regular meeting of the Board of Investment will be Tuesday, March 31, 2020, 1:30 p.m. at 1700 West Washington, State Capitol, West Wing, Treasurer's Conference Room, Phoenix, Arizona.

**10. Adjournment**

*With no further business to discuss Mr. Papp moved to adjourn the meeting. Ms. Sornsin seconded the motion. Motion was carried unanimously.*

The BOI Meeting was adjourned at approximately 2:07 p.m.

Respectfully Submitted by:

---

Deborah Gomez  
Executive Assistant

Approved by:

---

Kimberly Yee  
Chair

---

Date



# OFFICE OF THE ARIZONA STATE TREASURER

KIMBERLY YEE  
TREASURER



## Investment Summary | February 2020

### Overall Performance – Where We Are Now |

#### ➤ State Agency Pools:

- Total assets: \$7,623,438,647
- February earnings distributed: \$11,368,002 (-7.51% YoY)
- General Fund earnings distributed: \$4,022,748 (-3.15% YoY)

### Outlook |

The virus is currently in complete control of the economic timeline for the nation and the world. It has likely pushed the U.S. economy into a recession faster than any event in history. Jobless claims shot up to over 3.2 million people versus 281 thousand last week. The Federal Reserve has lowered overnight rates back to the zero-bound and demand for U.S. Treasury bill's safe haven status has caused their rates to go negative for those maturing in less than six months. The U.S. ten-year bond yields .81% as of this writing. Volatility in the debt, equity and commodity markets has skyrocketed in the last few weeks. Crude oil is trading in the low \$20s and caused stress in both the states that produce it and the banking industry that finances it. If there is something to be optimistic about is that we may get out of this virus induced recession at the same lightspeed we got in it when it is contained. The pent-up demand released at that time may cause a significant economic recovery.

### Strategy: Monthly Commentary |

Prudence at this juncture calls for us to add to our already high liquidity and stockpile cash. This will come at the expense of yield which I deem an acceptable cost. As our bonds mature or are being called we are reinvesting the money in paper of three month or less duration. With the normal tax infusion being delayed by three months and the full effects of the U.S. governments stimulus package still to be seen, maximizing liquidity is the logical move. We live in interesting times.

### Alternative Scenarios |

There are several scenarios we continue to monitor which could change our expectations:

- Coronavirus peaks and begins to dissipate.
- A working vaccine to the virus is produced
- Supply chains break for some products and cause shortages.

## State Agency Investment Pool Balances |

	February 29, 2020	February 28, 2019	YoY Change
Pool 2 FF&C	\$1,144,292,687	\$1,159,031,184	-\$14,738,497
Pool 3 Internal	\$3,440,929,140	\$2,188,726,926	+\$1,252,202,214
Pool 3 External	\$111,133,700	\$107,395,262	+\$3,738,438
Pool 4 Gov.	\$1,107,642,969	\$1,231,918,219	-\$124,275,250
Pool 10 Internal	\$727,347,644	\$1,024,964,976	-\$297,617,332
Pool 10 External	\$386,906,213	\$88,775,456	+\$298,130,757
Pool 12 CAWCD	\$398,800,165	\$379,174,791	+\$19,625,374
Pool 16 ECDHB	\$306,386,128	\$329,975,456	-\$23,589,328
<b>TOTAL STATE AGENCY</b>	<b>\$7,623,438,647</b>	<b>\$6,509,962,273</b>	<b>+\$1,113,476,374</b>

# Local Government Investment Pools (LGIP) Summary

## Overall Performance – Where We Are Now |

- **Local Government Investment Pools:**
  - Total assets: \$3,996,410,511
  - Total February earnings: \$5,424,280; -\$889k vs. February 2019
  - Total fiscal year-to-date yields:
    - Pool 5: 1.99%; -28bps vs. February 2019
    - Pool 7: 1.88%; -24bps vs. February 2019
    - Pool 500: 2.31%; -7bps vs. February 2019
    - Pool 700: 2.02%; -10bps vs. February 2019

## Strategy: Short-term Pools 5 & 7 |

Since our last meeting we have seen the FOMC make two federal funds rate cuts, bringing the lower and upper bound to 0.00% to 0.25% respectively. The first surprise rate cut of 50bps happened on March 3<sup>rd</sup>, and they lowered it another 100bps on Sunday, March 14<sup>th</sup>, all before a regularly scheduled FOMC meeting on March 18<sup>th</sup>. The impact of COVID-19 is spreading through the global economy quickly with no clear end to the pandemic. Overnight REPO is now trading at less than 10bps and U.S. Treasury bills are trading at negative rates six months and shorter. Congress and the Fed have stepped in to provide Americans support with many different programs set up to minimize economic impact.

Safety and liquidity will remain our key objective making certain we will have the reserves that participants may need. Pools 5 and 7 are well positioned to provide liquidity for these uncertain times. We will not be targeting any type of duration for the time being and just build upon our current cash positions.

## Strategy: Intermediate Pools 500 & 700 |

The market is digesting an abundance of information on the global impact of the COVID-19, weak economic data, central bank actions and government interventions. We don't want to become a forced seller in this type of environment and don't anticipate we will have to be with our current cash positions. Pool 500 and 700 will emphasize our first two mandates of safety and liquidity for the foreseeable future. We will not be looking to extend duration moving forward and build on our monthly liquidity for any participant needs.

## LGIP Investment Pool Balances |

	February 29, 2020	February 28, 2019	YoY Change
Pool 5 LGIP	\$1,677,202,042	\$1,435,597,825	+\$241,604,217
Pool 7 LGIP FF&C	\$1,804,313,221	\$1,305,275,617	+\$499,037,604
Pool 500 LGIP Med.	\$389,523,555	\$348,422,358	+\$41,101,197
Pool 700 LGIP Med FF&C	\$125,371,693	\$137,789,591	-\$12,417,898
<b>TOTAL LGIP</b>	<b>\$3,996,410,511</b>	<b>\$3,227,085,392</b>	<b>+\$769,325,119</b>

# Endowment Summary

## Overall Performance – Where Are We Now |

- Highlights:
  - PLETF 10-year annualized total return: 8.41%
  - PLETF total return in February trailed benchmark by 5bps
  - Prop 123 monthly distributions highest ever at \$30.7 million

### Big Picture:

- PLETF fair market value at \$5,985,599,417
- FYTD2020 distributions increased to \$245.3MM; up \$15.0MM vs FY2019
- PLETF FYTD return 1.32% vs benchmark 1.86%
- Annualized 10-Year total return through February is 8.41% versus January at 9.13%; -72 basis points MoM
- Fair Market Value down \$318.84MM MoM; up \$49.75MM YoY
- Unrealized Gains: \$3.3BN; up \$146.1MM or +4.64% YoY
- February Realized Gains: \$11.1MM; +\$2.3MM vs February 2019
- February TRR PLETF -4.62% vs benchmark -4.57%; trailing by 5bps
- January & February PLETF Rebalancings Complete

## Equity Strategy: Rebalance to Risk Targets |

Global risk markets fell victim to the Coronavirus shortly after we executed our \$480MM (total) PLETF rebalancing in January when we sold US Large Cap stocks very near the all-time highs in the S&P 500 and subsequently bought into fixed income. As a result, we were able to significantly bolster liquidity in Pool 123 for K-12 payments. This captured large gains, avoided losses on that portion of the portfolio and put us in tremendous position to continue to make timely distributions even during this time of severe market stress. By February 27<sup>th</sup> our rebalancing triggers then breached policy limits again and we initiated another rebalancing going the other direction – this time selling bonds and buying stocks. Equities had dropped precipitously, and our fixed income portfolio rallied in the most massive flight to safe havens of my career. The entire US Treasury curve yielded under 1% with 10's touching 0.31% and 30's hitting 0.69% intraday on March 9<sup>th</sup> - creating a fantastic opportunity to sell rich bonds and buy decidedly cheaper stocks with our \$352MM (total) rebalancing. Both January and February rebalancings were executed in five equal tranches at various tactical entry points. We continue to view our equity exposure as a long-term driver of returns for the PLETF. Exposure to U.S. equities has been a tremendous value-add over time and although markets periodically move through market correction phases, long-term equilibrium has rewarded patient, disciplined investors with positive returns that outpace inflation and build trust value in *real* terms – especially with sound rebalancing disciplines, which we employ. As the AETF is newer, it has not triggered rebalancing, remaining within 2.5% of risk targets and outperforming the benchmark by 40bps inception-to-date.

## Fixed Income Strategy: Increase Pool 123 Liquidity |

As a result of strong PLETF investment returns in 2019 (+19.29%), the Prop 123 distribution will once again be increasing beginning in July. Accordingly, we have taken the opportunity resulting from the recent equity rebalancing to bolster liquidity needed in Pool 123 in order to continue to make these increased monthly distributions in a timely manner for our K-12 education and other beneficiaries.

During the month we took advantage of market conditions to sell \$10MM General Electric bonds at par (no loss) to reduce portfolio risk. We will continue to look to use these rebalancing opportunities to sell bonds we think have served their purpose in order to raise cash for equities. In addition to raising cash for rebalancing, we are repositioning as the market stress and leveraged unwind by large money managers has created a flood of great investment grade bonds at blowout prices (wide spreads) to take advantage of. We feel it makes sense to sell UST and MBS that yield 0.04-0.63% and buy high quality corporate notes from funds who have redemption pressures – especially with the Federal Reserve’s massive stimulus support. We continued to add bond ETFs (AGG) with new AETF cash for the fixed income allocation.

We feel it is prudent to keep room for duration extension in Pool 205 resulting from maturities/paydown cashflows migrating into Pool 123 for increased distribution requirements and further rebalancing which require bond sales. Month-end duration on pool 205 was at 2.97 years (-0.14 MoM) versus 5.91 (+0.01MoM) for the SBBIG Index. Note the forward-looking Bloomberg Bond Yield Forecast compiled by averaging 56 wall street economist’s forecasts:

Rate	Market Yld	Q1 20	Q2 20	Q3 20	Q4 20	Q1 21	Q2 21	Q3 21	Q4 21	Q1 22	Q2 22
<b>United States</b>											
US 30-Year	1.40	1.49	1.42	1.59	1.74	1.86	1.96	2.08	2.15	2.25	2.37
US 10-Year	0.81	0.74	0.73	0.94	1.10	1.23	1.36	1.48	1.59	1.74	1.80
US 5-Year	0.49	0.54	0.60	0.76	0.87	0.97	1.07	1.21	1.30	1.41	1.54
US 2-Year	0.28	0.29	0.40	0.53	0.62	0.70	0.81	0.93	1.04	1.12	1.26
US 3-Month Libor	1.37	0.93	0.64	0.62	0.69	0.76	0.85	0.95	1.06	1.27	1.40
Fed Funds Rate - Upper Bound	0.25	0.25	0.40	0.45	0.50	0.55	0.65	0.75	0.80	1.10	1.20
Fed Funds Rate - Lower Bound	0.00	0.01	0.14	0.18	0.23	0.30	0.38	0.47	0.56	0.81	0.91
2 Year - 10 Year Spread	0.53	0.45	0.33	0.41	0.48	0.53	0.55	0.55	0.55	0.62	0.54

\*Table presented as-of 2/20/2020.

## Endowment Monthly Land Sale Proceeds |

- +\$2.36MM in February
- -\$31.67MM vs January
- -\$62.62MM FYoY

## Endowment Prop 123 Distributions |

- \$30.7MM total/\$28.5MM for K-12 successfully distributed on time from Pool 123
- FYTD K-12 distribution \$228.15MM; up \$13.98MM YoY
- Pool 123 post-rebalancing increased laddered liquidity to 7-9 months given changing market conditions

## Pool Performance |

Portfolio 3Yr standard deviation was 8.32 versus benchmark at 8.35; portfolio is less risky/volatile versus benchmark.

Equity/Fixed Income Pools:

- Pool 201 Largecap Equity outperformed the S&P 500 by 4bps MoM at -8.20%
- Pool 203 Midcap Equity outperformed the S&P 400 by 18bps MoM at -9.32%
- Pool 204 SmallCap Equity lead the S&P 600 by 21bps MoM at -9.40%
- Pool 205 trailed the FTSE BIG Index by 33bps MoM at +1.34%
- Pool 123 returned +0.16% for February, leading the benchmark by 2bps

*(This page intentionally left blank)*

**EARNINGS DISTRIBUTION - INVESTMENT POOLS  
 FEBRUARY 2020**

<u>Recipient</u>	Earnings Distributed				Fiscal YTD Investment Management Fees Received
	<u>FEBRUARY 2020</u>	<u>Fiscal YTD 19/20</u>	<u>Fiscal YTD 18/19</u>	<u>Change from Previous Year</u>	
General Fund (1)	\$4,022,748	\$32,849,857	\$27,200,175	20.8%	
2 State Agencies - Full Faith & Credit (2)	1,298,694	12,682,980	12,462,398	1.8%	379,886
3 State Agencies - Diversified (2) (3)	1,890,307	16,690,965	15,082,292	10.7%	1,059,423
4 State Agencies - Gov (2)	1,486,612	12,515,534	13,333,223	-6.1%	382,910
5 LGIP (2)	2,213,836	21,376,551	22,063,658	-3.1%	606,448
7 LGIP Gov (2)	2,216,158	19,464,418	16,617,591	17.1%	587,333
9A Public School Credit Enhancement (4)	0	0	0	0.0%	38,268
10 Restricted Operating (2)	1,369,479	12,753,534	6,357,413	100.6%	405,807
12 CAWCD Medium-Term	741,515	6,199,742	6,355,988	-2.5%	138,232
16 ECDH Medium-Term	558,647	5,148,575	5,544,744	-7.1%	130,872
<b>Subtotal</b>	<b>15,797,997</b>	<b>139,682,155</b>	<b>125,017,483</b>	<b>11.7%</b>	<b>3,729,181</b>
<b>NAV POOL</b>					
500 LGIP - Med Term	670,513	5,732,400	5,522,045	3.8%	136,098
700 LGIP - FF&C Med Term (2)	165,143	1,464,668	1,525,199	-4.0%	48,373
<b>Total</b>	<b>\$16,633,653</b>	<b>\$146,879,224</b>	<b>\$132,064,726</b>	<b>11.2%</b>	<b>\$3,913,651</b>
<b>FEBRUARY 2019 TOTALS</b>	<b>\$18,493,569</b>				<b>\$3,332,871</b>

- (1) Pool 15 AHCCCS Operating Earnings are reported in General Fund
- (2) Earnings are net of operating earnings, which are reported in the General Fund
- (3) Pool 15 AHCCCS Operating Management Fees are reported in Pool 3, State Agencies Diversified (Combined)
- (4) Pool 9A represents \$80 million invested in School Funding Obligations; earnings on this investment revert to the General Fund

**OPERATING MONIES**  
**AVERAGE INVESTED BALANCE**

Through February 29, 2020

(in millions)

<u>Month</u>	<u>Fiscal Year</u> <u>2017/2018</u>	<u>Fiscal Year</u> <u>2018/2019</u>	<u>Fiscal Year</u> <u>2019/2020</u>
JULY	\$1,635	\$1,824	\$2,483
AUGUST	1,303	1,495	1,840
SEPTEMBER	1,455	1,594	1,980
OCTOBER	1,473	1,813	2,246
NOVEMBER	1,417	1,912	2,259
DECEMBER	1,400	2,007	2,463
JANUARY	2,140	2,348	2,864
FEBRUARY	2,244	2,185	2,730
MARCH	1,937	2,050	
APRIL	1,980	2,236	
MAY	2,279	2,963	
JUNE	2,407	3,195	
<b>Y-T-D Average</b>	<b>\$1,633</b>	<b>\$1,897</b>	<b>\$2,358</b>
<b>Full Year Average</b>	<b>\$1,806</b>	<b>\$2,135</b>	

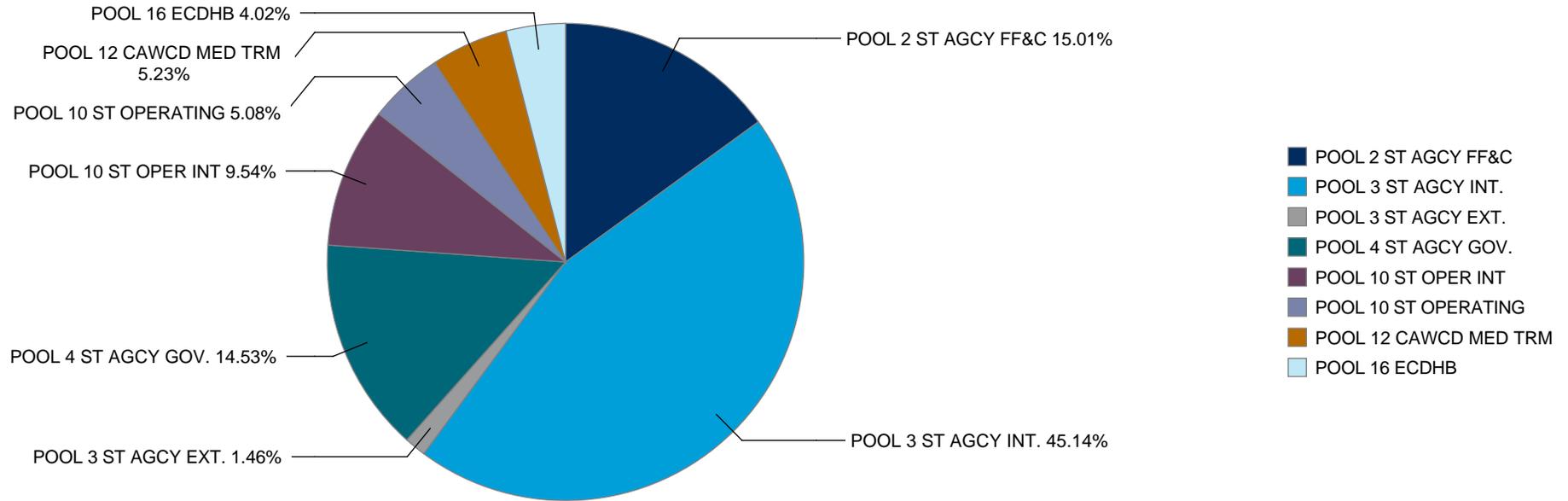
**STATE AGENCY POOLS  
 PORTFOLIO EARNINGS ANALYSIS  
 FEBRUARY 2020**

<b>FUND</b>	<b>DESCRIPTION</b>	<b>Current Month 02/29/20</b>	<b>Prior Month 01/31/20</b>	<b>Prior Year 02/28/19</b>	<b>Net Asset Value Per Share</b>
2	STATE AGENCIES - FULL FAITH & CREDIT	\$1,428,690	\$1,598,825	\$1,988,708	1.0048
3	STATE AGENCIES - DIVERSIFIED				
	INTERNAL MANAGERS	4,750,730	5,164,546	3,639,820	1.0037
	EXTERNAL MANAGERS	204,943	209,744	197,641	1.0090
	<b>FUND 3 TOTAL</b>	<b>4,955,673</b>	<b>5,374,289</b>	<b>3,837,461</b>	<b>1.0036</b>
4	STATE AGENCIES - GOV	1,826,087	1,923,459	2,441,624	1.0071
9A	PUBLIC SCHOOL CREDIT ENHANCEMENT	147,327	158,027	200,818	1.0048
10	RESTRICTED OPERATING				
	INTERNAL MANAGERS	1,158,734	1,294,773	2,061,708	1.0159
	EXTERNAL MANAGERS	337,729	312,519	97,916	1.0024
	<b>FUND 10 TOTAL</b>	<b>1,496,463</b>	<b>1,607,291</b>	<b>2,159,623</b>	<b>1.0045</b>
12	CAWCD MEDIUM-TERM	741,515	758,730	792,137	1.0159
15	AHCCCS OPERATING	54,970	56,374	72,235	N/A
16	ECDH MEDIUM-TERM	558,647	590,211	687,786	1.0162
	<b>TOTAL STATE AGENCIES</b>	<b>\$11,209,372</b>	<b>\$12,067,205</b>	<b>\$12,180,392</b>	

**STATE AGENCY POOLS  
 PORTFOLIO YIELD ANALYSIS  
 FEBRUARY 2020**

<b>FUND</b>	<b>DESCRIPTION</b>	<b>Current Month 02/29/20</b>	<b>Prior Month 01/31/20</b>	<b>Prior Year 02/28/19</b>
<b>2</b>	<b>STATE AGENCIES - FULL FAITH &amp; CREDIT</b>	1.75%	1.84%	<b>2.40%</b>
	50% Trailing 3-mo T-bill /	1.45%	1.55%	<b>2.46%</b>
	50% Bloomberg Barclays 1-3 year UST			
<b>3</b>	<b>STATE AGENCIES - DIVERSIFIED</b>			
	INTERNAL MANAGERS	1.87%	1.84%	<b>2.57%</b>
	EXTERNAL MANAGERS	2.34%	2.25%	<b>2.40%</b>
	COMBINED	1.89%	1.86%	<b>2.56%</b>
	50% 1 month T-bill /	1.56%	1.60%	<b>2.55%</b>
	50% Bloomberg Barclays 1-3 year US Agg			
<b>4</b>	<b>STATE AGENCIES - GOV</b>	2.11%	2.11%	<b>2.52%</b>
	50% Trailing 3-mo T-bill /	1.45%	1.55%	<b>2.46%</b>
	50% Bloomberg Barclays 1-3 year US Gov			
<b>9A</b>	<b>PUBLIC SCHOOL CREDIT ENHANCEMENT</b>	1.75%	1.84%	<b>2.40%</b>
<b>10</b>	<b>RESTRICTED OPERATING</b>			
	INTERNAL MANAGERS	2.02%	2.04%	<b>2.49%</b>
	EXTERNAL MANAGERS	1.10%	1.02%	<b>1.44%</b>
	COMBINED	1.70%	1.71%	<b>2.41%</b>
	50% Trailing 3-mo T-bill /	1.55%	1.63%	<b>2.55%</b>
	50% Bloomberg Barclays 1-3 year US Agg			
<b>12</b>	<b>CAWCD MEDIUM-TERM</b>	2.37%	2.33%	<b>2.64%</b>
	25% S&P LGIP Index /	1.57%	1.69%	<b>2.62%</b>
	75% Bloomber Barclays 1-3 year US Agg			
<b>15</b>	<b>AHCCCS OPERATING</b>	0.43%	0.30%	<b>0.65%</b>
<b>16</b>	<b>ECDH MEDIUM-TERM</b>	2.33%	2.31%	<b>2.70%</b>
	25% S&P LGIP Index /	1.57%	1.69%	<b>2.62%</b>
	75% Bloomber Barclays 1-3 year US Agg			

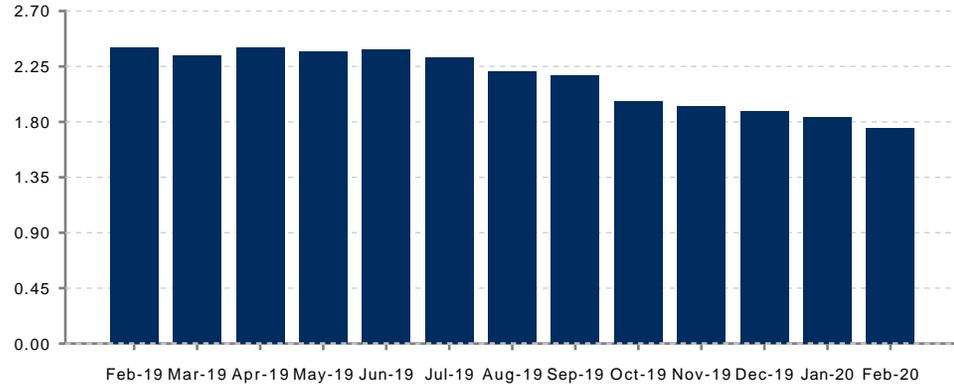
**Manager Allocation**



	Market Value	% of Portfolio
POOL 2 ST AGCY FF&C	1,144,292,687	15.0
POOL 3 ST AGCY INT.	3,440,929,140	45.1
POOL 3 ST AGCY EXT.	111,133,700	1.5
POOL 4 ST AGCY GOV.	1,107,642,969	14.5
POOL 10 ST OPER INT	727,347,644	9.5
POOL 10 ST OPERATING	386,906,213	5.1
POOL 12 CAWCD MED TRM	398,800,165	5.2
POOL 16 ECDHB	306,386,128	4.0
TOTAL STATE AGENCY	7,623,438,647	100.0



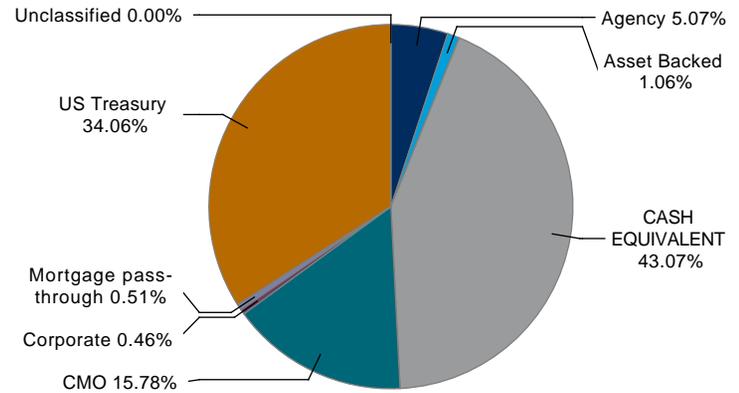
**Net Yield**



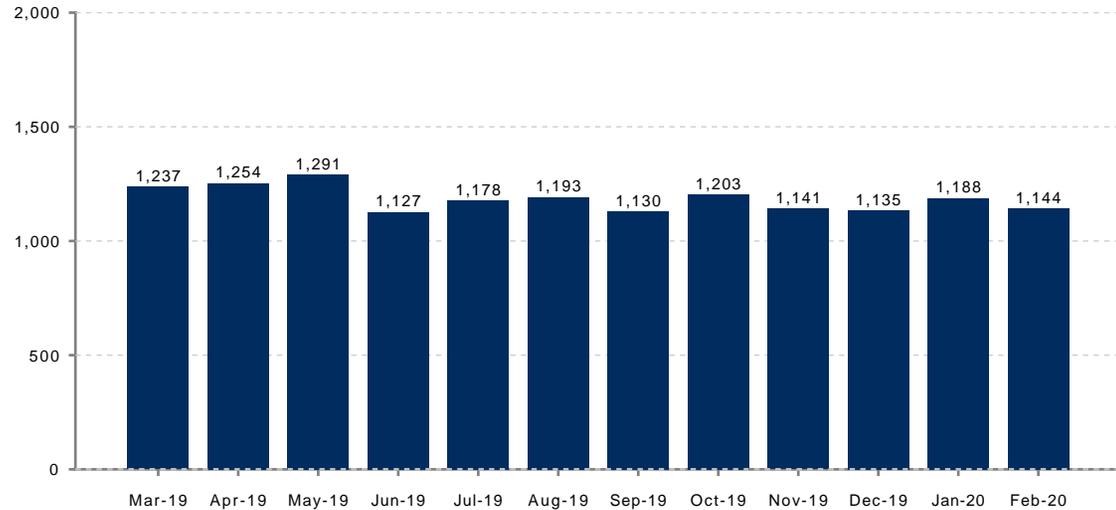
	Current Mth	Prior Mth	1 Year Ago
POOL 2 ST AGCY FF&C	1.75	1.84	2.40

**Asset Allocation**

	Ending Market Value
POOL 2 ST AGCY FF&C	1,144,292,687



**Net Asset Values over Time (\$MM)**

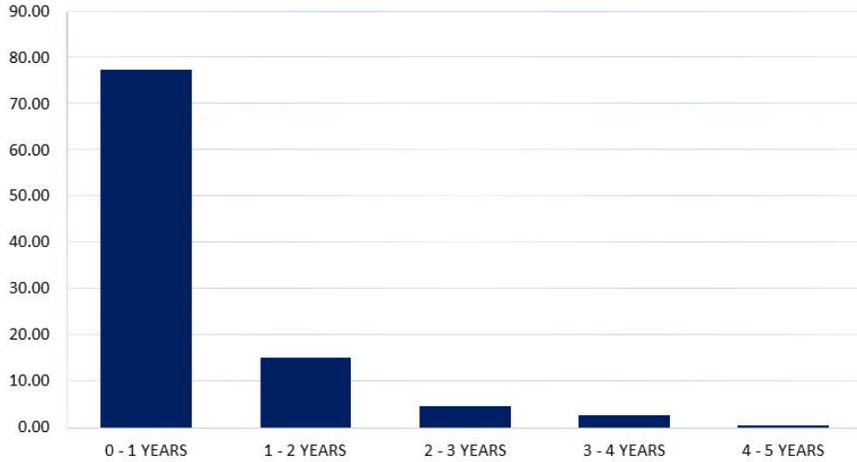


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 2 ST AGCY FF&C		
DAIWA CAPITAL MARKETS	200,017,333	17.48
WELLS FARGO REPO	110,023,833	9.62
US TREASURY N/B	81,561,884	7.13
US TREASURY N/B	50,184,989	4.39
US TREASURY N/B	40,749,940	3.56
TREASURY BILL	39,850,396	3.48
US TREASURY N/B	30,363,191	2.65
US TREASURY N/B	25,200,442	2.20
INT DEVELOPMENT FIN C	25,099,564	2.19
BMO TRIPARTY MTGE	25,024,917	2.19



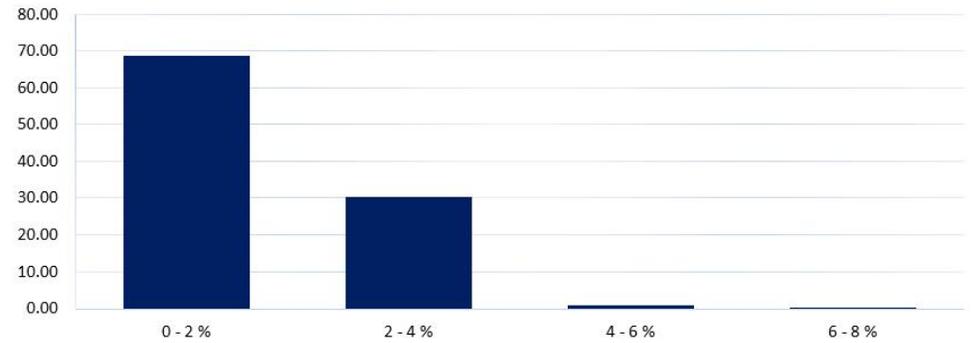
**Duration Distribution**



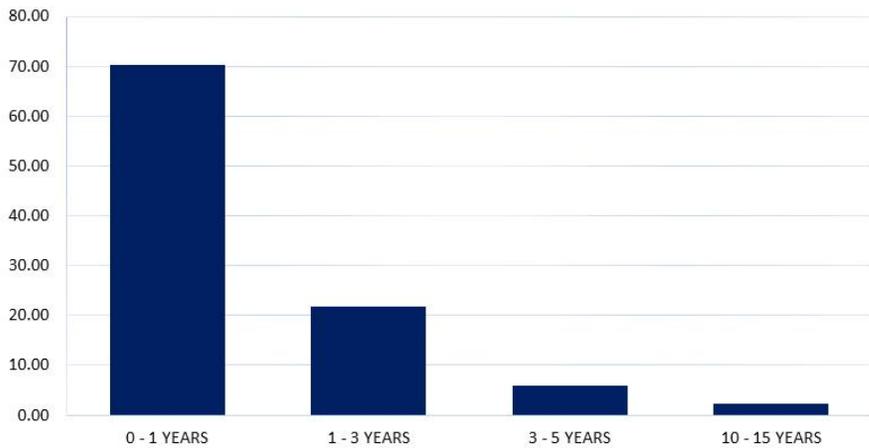
**Portfolio Level Characteristics**

	POOL 2 ST AGCY FF&C
Effective Maturity	1.00
Coupon	1.77
Effective Duration	0.62
Quality Rating (Moody's)	AAA

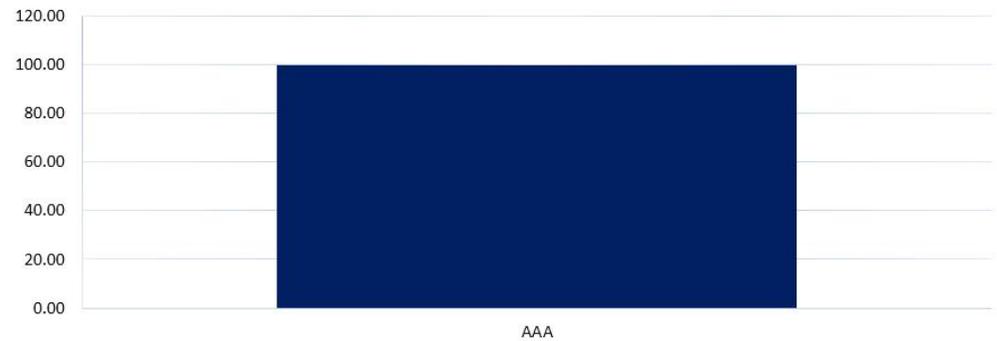
**Coupon Distribution**



**Expected Maturity Distribution**

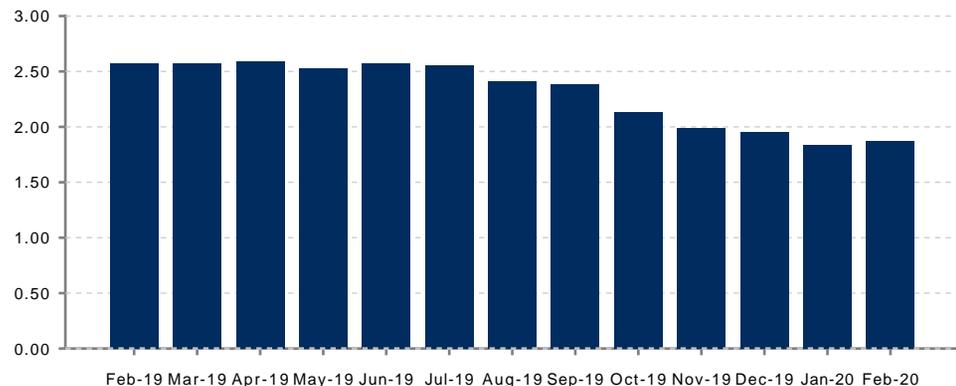


**Rating Distribution**





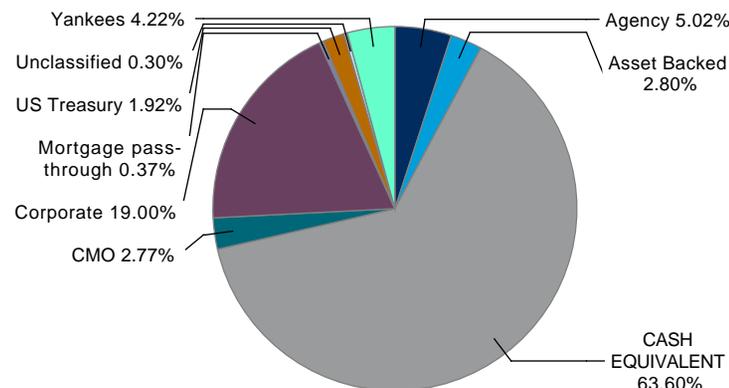
**Net Yield**



	Current Mth	Prior Mth	1 Year Ago
POOL 3 ST AGCY INT.	1.87	1.84	2.57

**Asset Allocation**

	Ending Market Value
POOL 3 ST AGCY INT.	3,440,929,140



**Net Asset Values over Time (\$MM)**

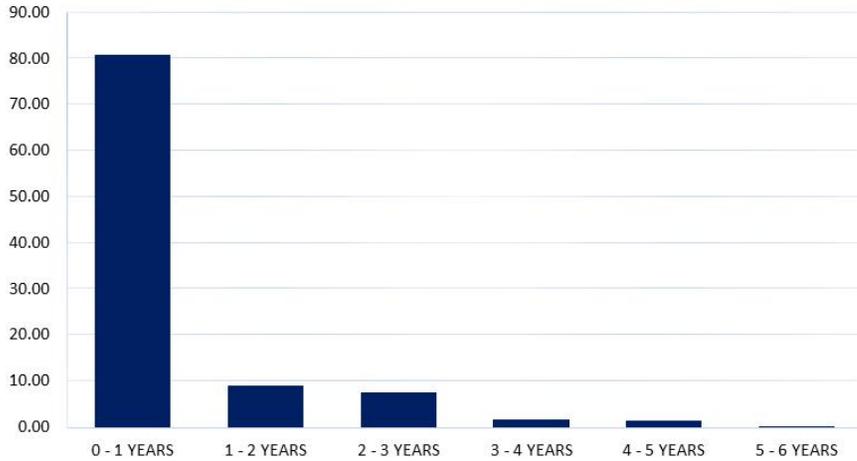


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 3 ST AGCY INT.		
SOUTH STREET REPO	325,028,528	9.45
CANTOR FITZGERALD REPO	300,026,833	8.72
AMHERST PIERPONT	175,015,458	5.09
SOUTH STREET REPO	170,902,659	4.97
GUGGENHEIM SECURITIES REPO	125,650,426	3.65
TREASURY BILL	119,551,188	3.47
BMO TRIPARTY MTGE	55,004,736	1.60
MICROSOFT CORP	50,292,224	1.46
US TREASURY N/B	40,809,836	1.19
TREASURY BILL	39,856,992	1.16



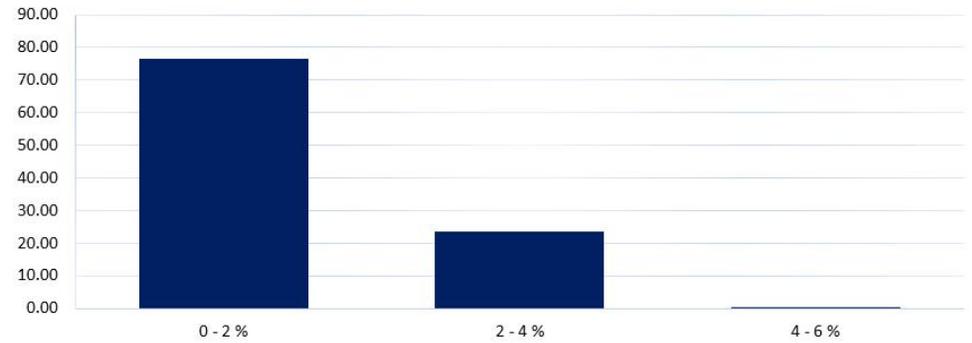
**Duration Distribution**



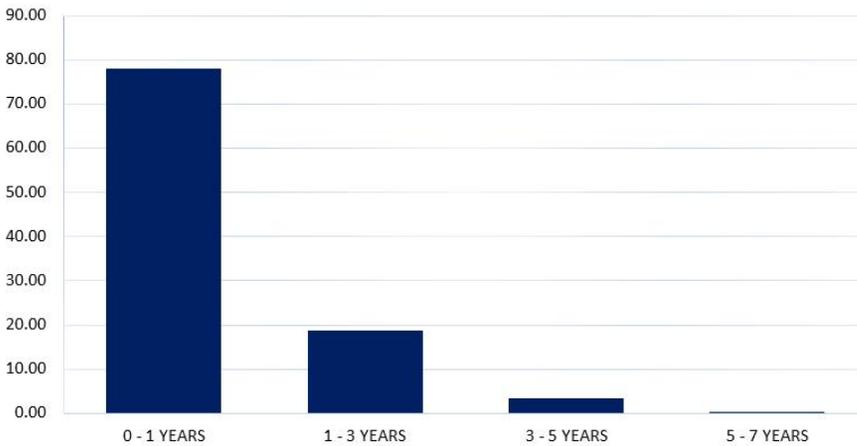
**Portfolio Level Characteristics**

	POOL 3 ST AGCY INT.
Effective Maturity	0.61
Coupon	1.23
Effective Duration	0.53
Quality Rating (Moody's)	AA-1

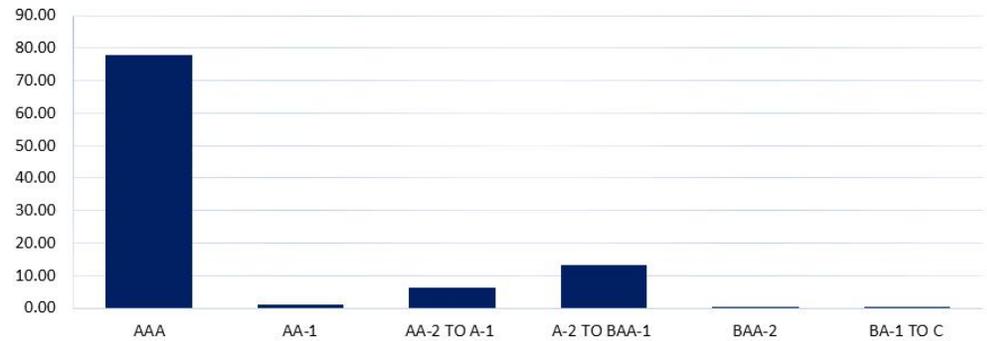
**Coupon Distribution**



**Expected Maturity Distribution**

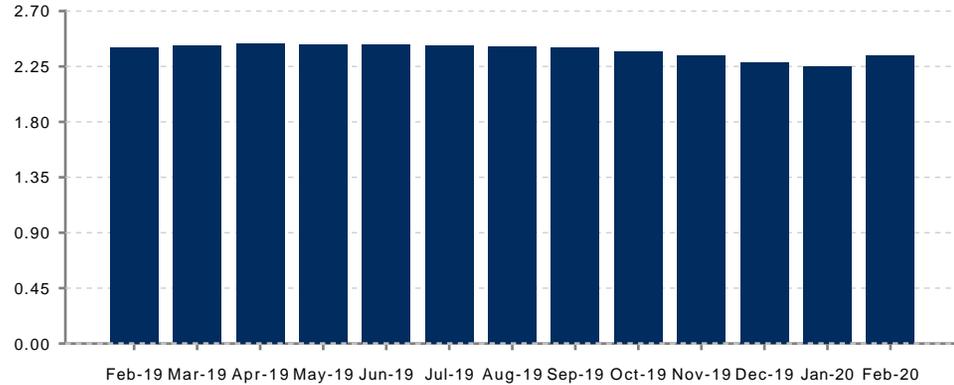


**Rating Distribution**





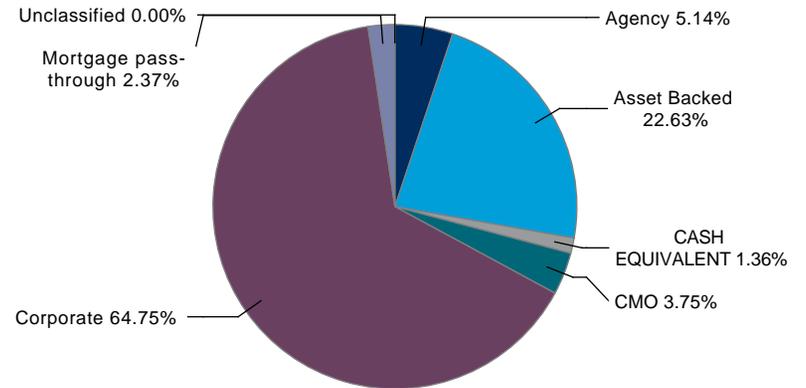
**Net Yield**



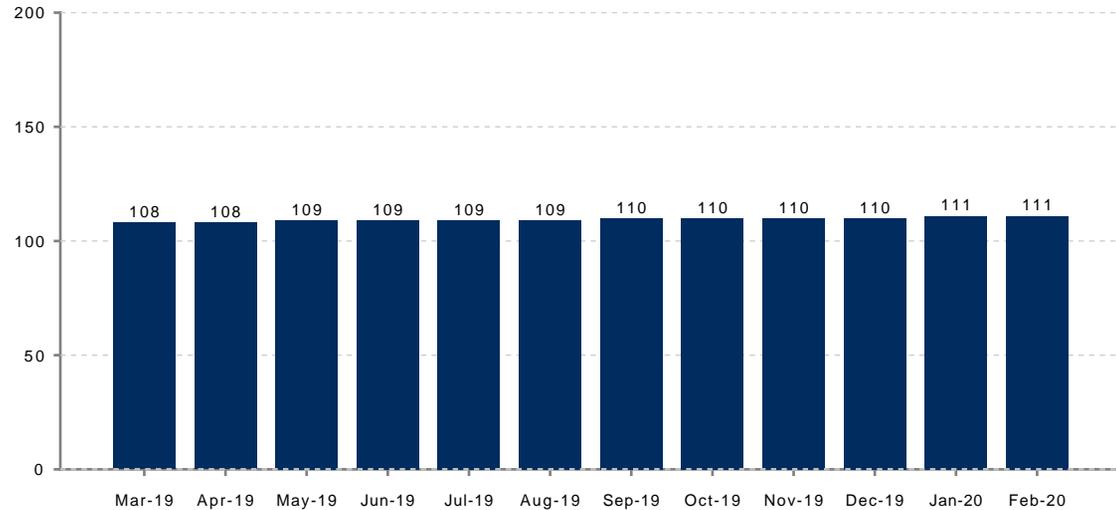
	Current Mth	Prior Mth	1 Year Ago
POOL 3 ST AGCY EXT.	2.34	2.25	2.40

**Asset Allocation**

	Ending Market Value
POOL 3 ST AGCY EXT.	111,133,700



**Net Asset Values over Time (\$MM)**

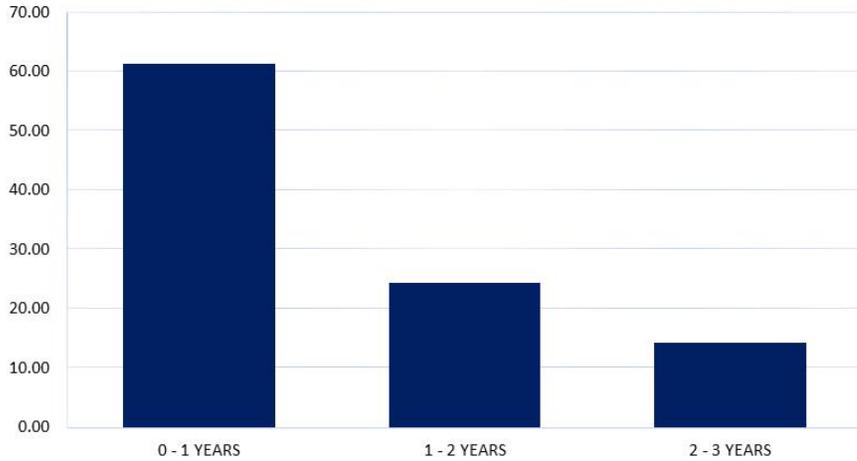


**Top 10 Holdings**

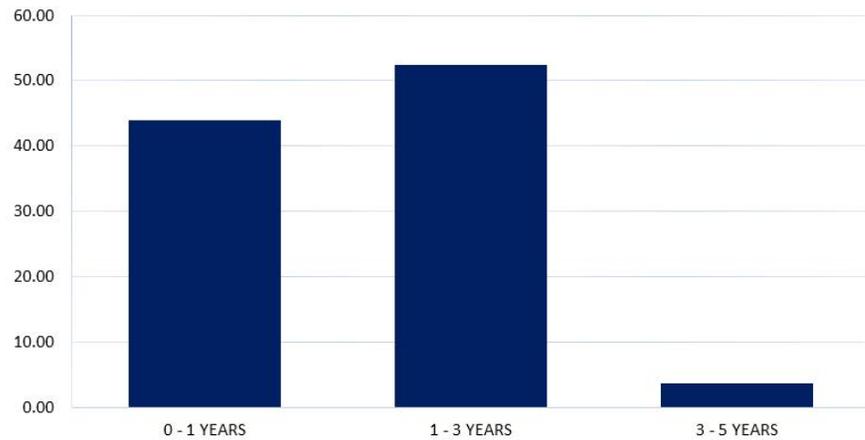
Security Name	Ending Market Value	% of Portfolio
POOL 3 ST AGCY EXT.		
PACCAR FINANCIAL CORP	2,084,984	1.88
CISCO SYSTEMS INC	2,013,699	1.81
FEDERAL HOME LOAN BANK	2,002,279	1.80
FHLMC MULTIFAMILY STRUCTURED P	1,982,071	1.78
BANK OF AMERICA CREDIT CARD TR	1,955,731	1.76
MANUF + TRADERS TRUST CO	1,817,713	1.64
CITIBANK NA	1,757,301	1.58
FED HM LN PC POOL J32364	1,692,435	1.52
FHLMC MULTIFAMILY STRUCTURED P	1,673,163	1.51
INTEL CORP	1,511,331	1.36



**Duration Distribution**



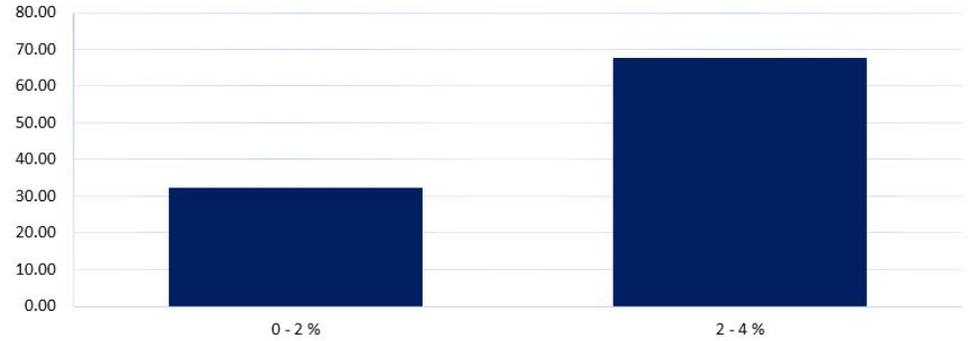
**Expected Maturity Distribution**



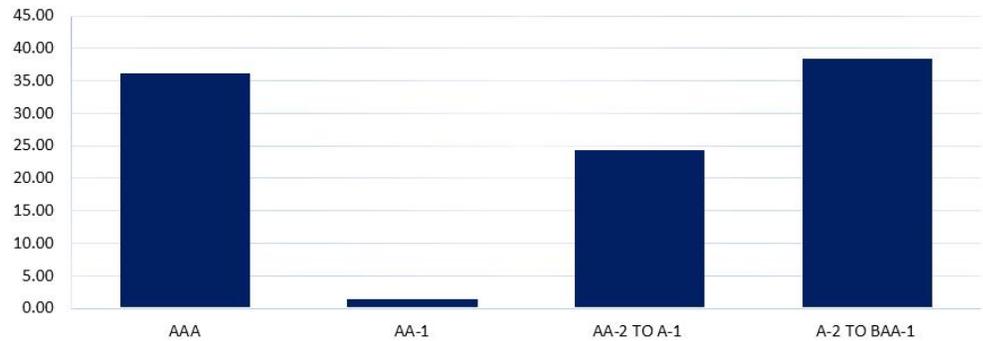
**Portfolio Level Characteristics**

	POOL 3 ST AGCY EXT.
Effective Maturity	1.32
Coupon	2.28
Effective Duration	0.91
Quality Rating (Moody's)	AA-3

**Coupon Distribution**

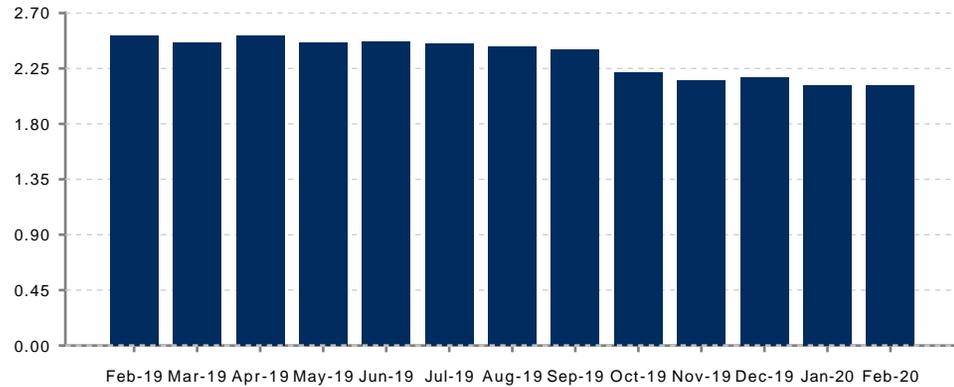


**Rating Distribution**





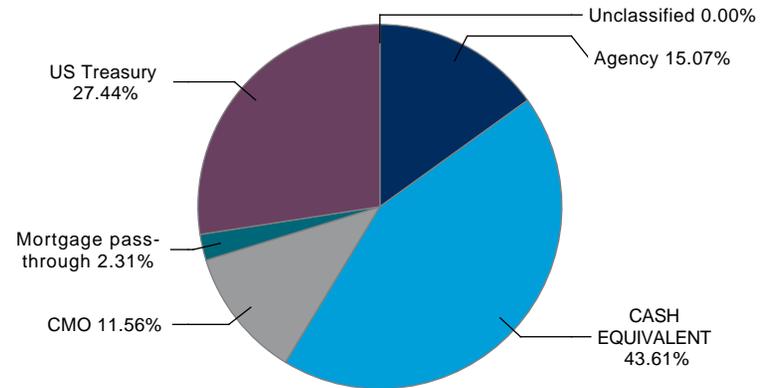
**Net Yield**



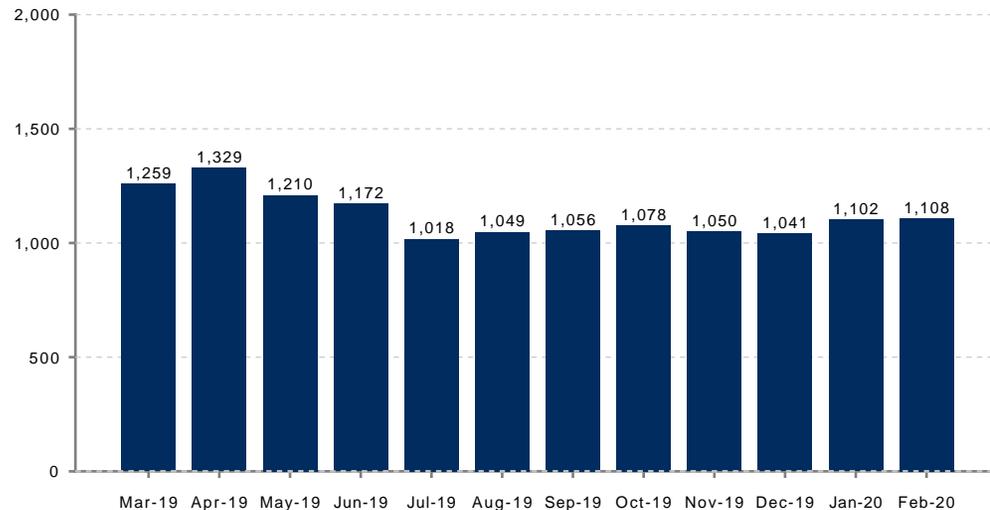
	Current Mth	Prior Mth	1 Year Ago
POOL 4 ST AGCY GOV.	2.11	2.11	2.52

**Asset Allocation**

	Ending Market Value
POOL 4 ST AGCY GOV.	1,107,642,969



**Net Asset Values over Time (\$MM)**

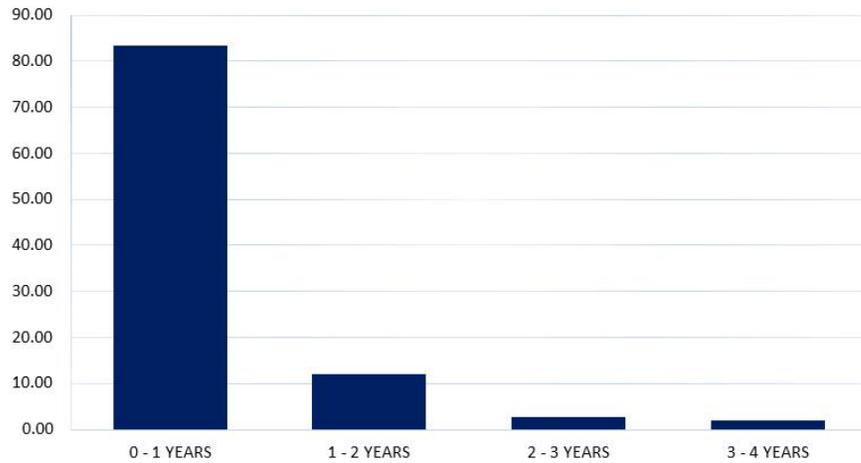


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 4 ST AGCY GOV.		
SOUTH STREET REPO	252,629,124	22.81
TREASURY BILL	109,432,601	9.88
US TREASURY N/B	66,269,031	5.98
US TREASURY N/B	56,113,525	5.07
US TREASURY N/B	40,311,538	3.64
CANTOR FITZGERALD REPO	27,015,750	2.44
US TREASURY N/B	25,364,011	2.29
US TREASURY N/B	25,200,442	2.28
TREASURY BILL	24,995,820	2.26
FEDERAL HOME LOAN BANK	20,886,231	1.89



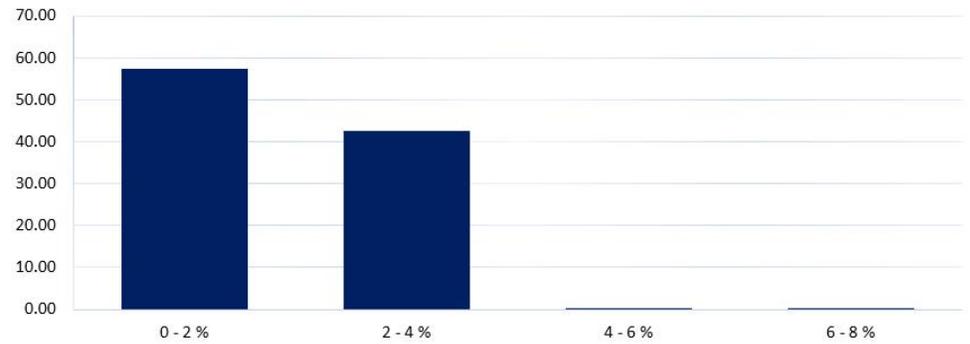
**Duration Distribution**



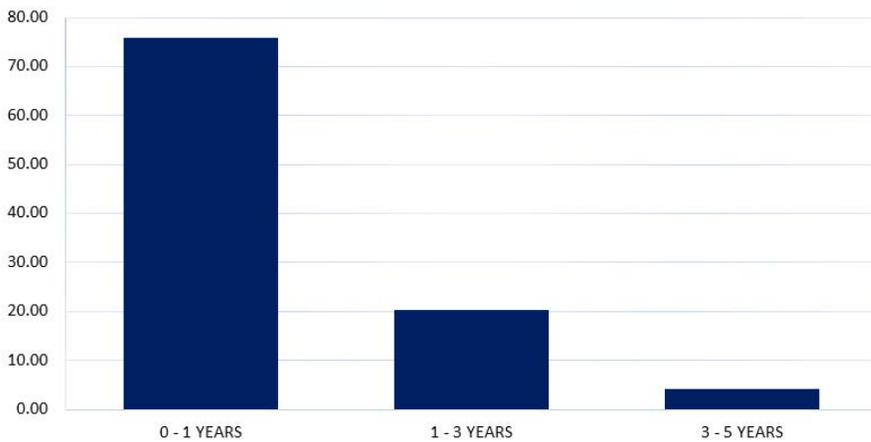
**Portfolio Level Characteristics**

	POOL 4 ST AGCY GOV.
Effective Maturity	0.71
Coupon	1.93
Effective Duration	0.53
Quality Rating (Moody's)	AAA

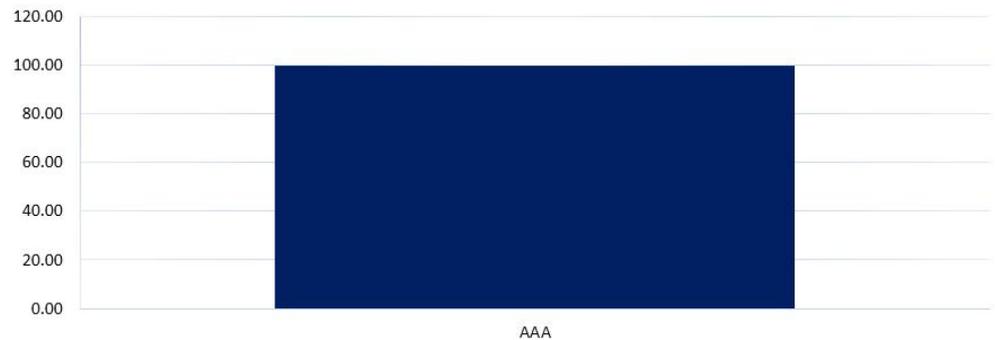
**Coupon Distribution**



**Expected Maturity Distribution**

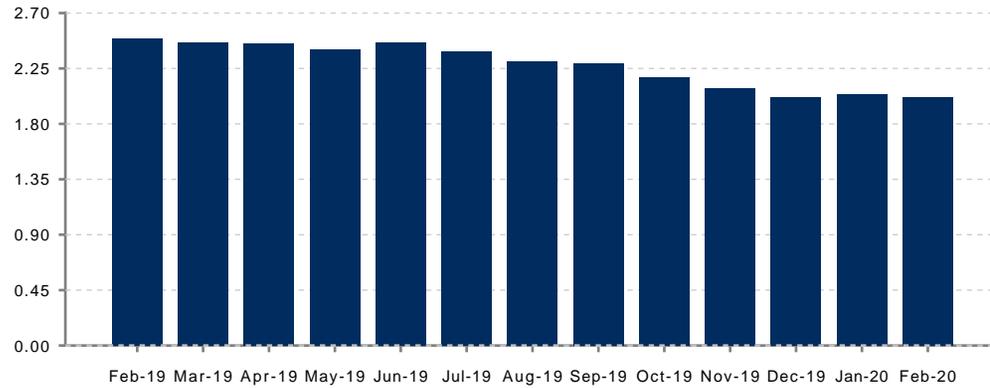


**Rating Distribution**





**Net Yield**

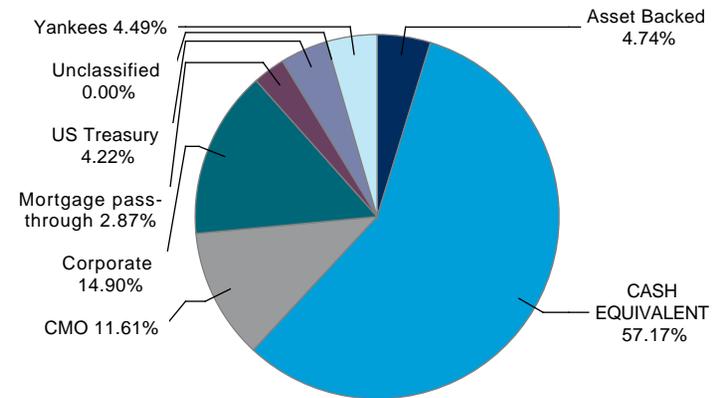


**Current Mth**      **Prior Mth**      **1 Year Ago**

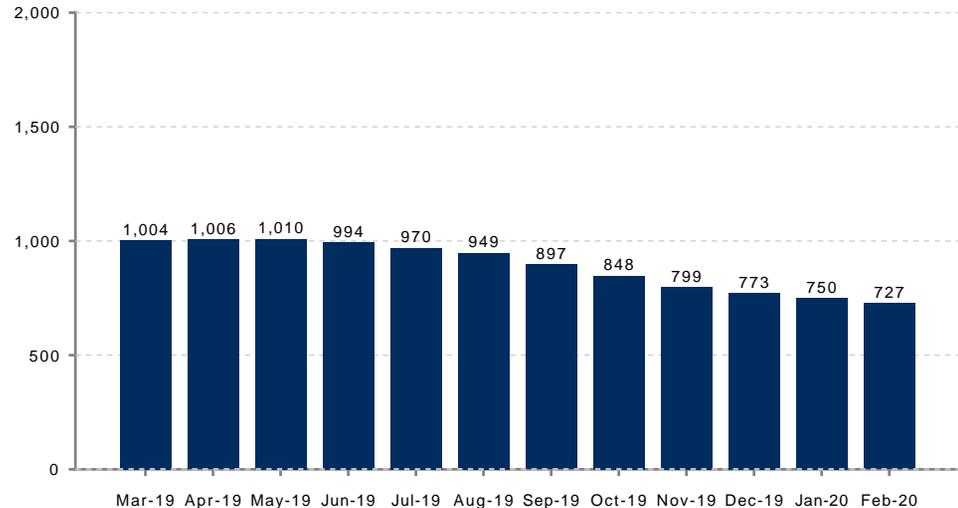
POOL 10 ST OPER INT	2.02	2.04	2.49
---------------------	------	------	------

**Asset Allocation**

POOL 10 ST OPER INT	<b>Ending Market Value</b> 727,347,644
---------------------	---



**Net Asset Values over Time (\$MM)**

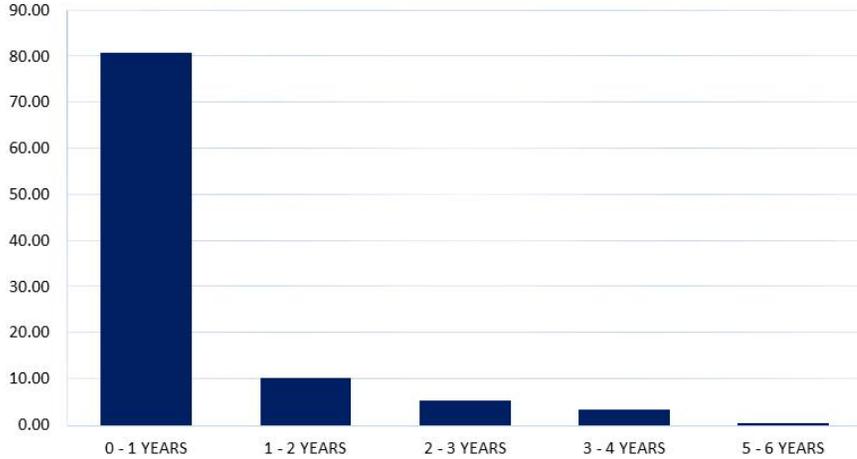


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 10 ST OPER INT		
SOUTH STREET REPO	59,585,352	8.19
CANTOR FITZGERALD REPO	55,071,363	7.57
CROWN POINT CAP CO.	25,029,938	3.44
EXELON GENERATION COMP	24,998,764	3.44
ATLANTIC ASSET SECUR	24,952,750	3.43
STARBIRD FDG. CORP	20,012,457	2.75
VICTORY RECEIVABLES	19,989,306	2.75
HARLEY-DAVIDSON FND CP	19,970,722	2.75
MOUNTCLIFF	19,934,594	2.74
CAN AST + CAN LTD JT	19,915,556	2.74



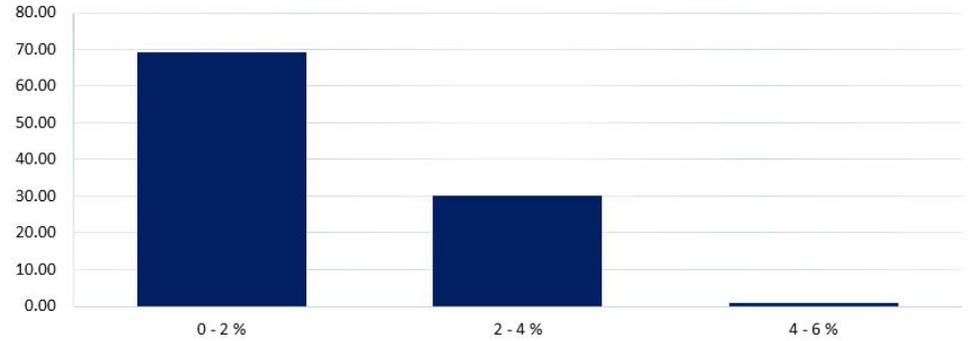
**Duration Distribution**



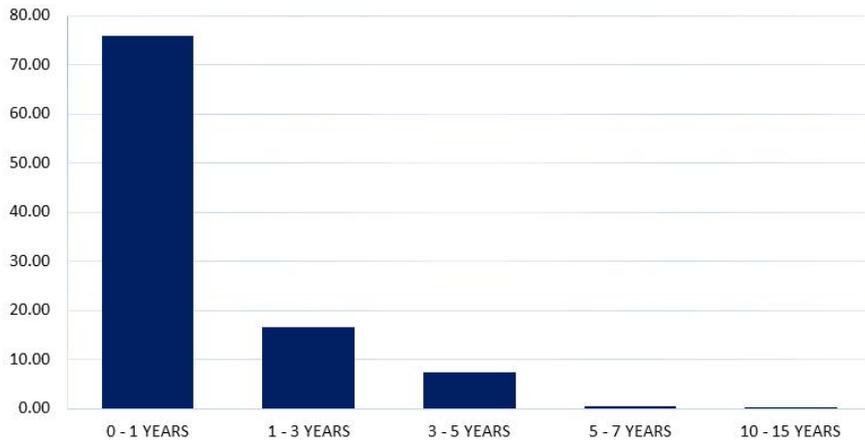
**Portfolio Level Characteristics**

	POOL 10 ST OPERATING INT
Effective Maturity	0.72
Coupon	1.19
Effective Duration	0.54
Quality Rating (Moody's)	AA-1

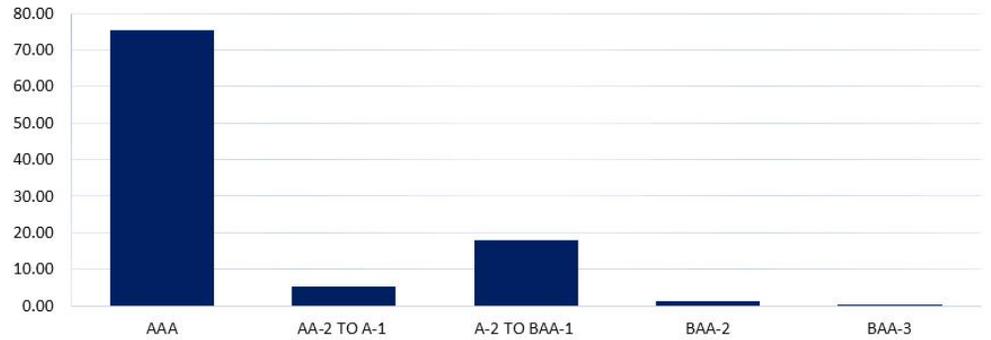
**Coupon Distribution**



**Expected Maturity Distribution**

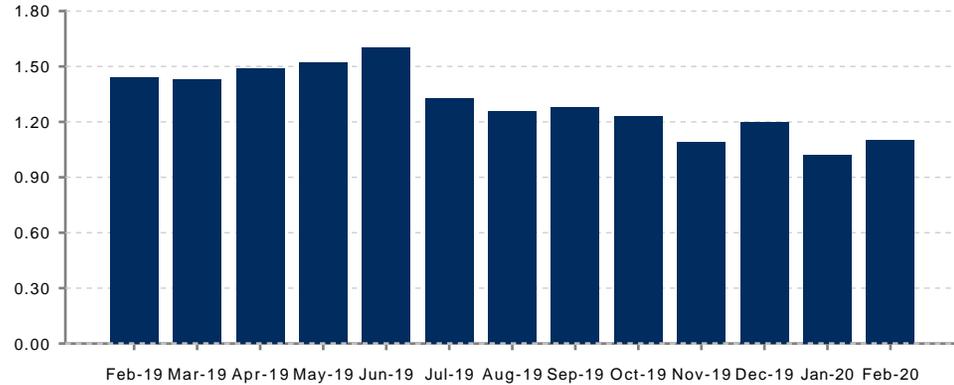


**Rating Distribution**





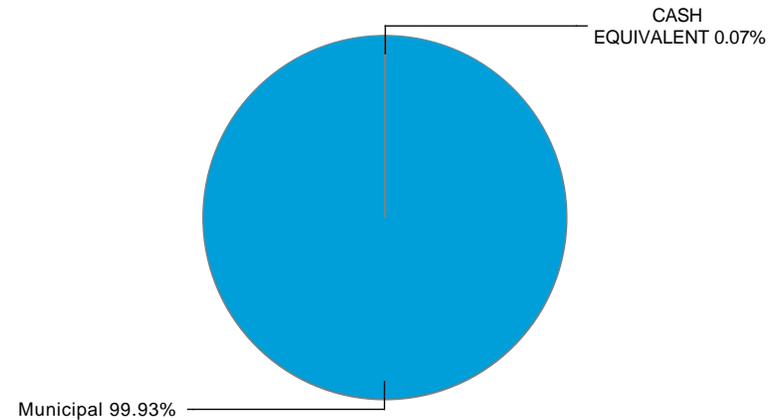
## Net Yield



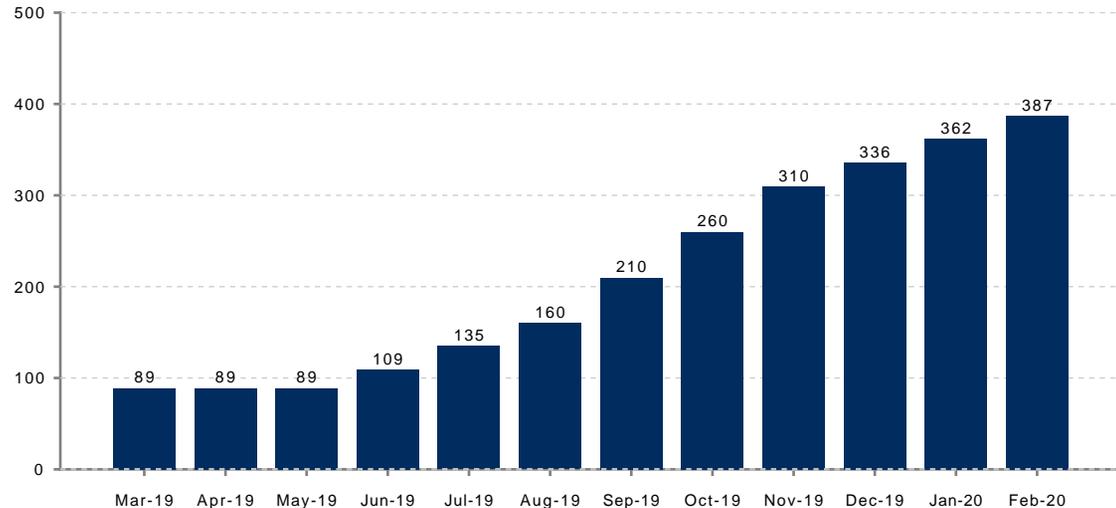
	Current Mth	Prior Mth	1 Year Ago
POOL 10 ST OPERATING	1.10	1.02	1.44

## Asset Allocation

	Ending Market Value
POOL 10 ST OPERATING	386,906,213



## Net Asset Values over Time (\$MM)

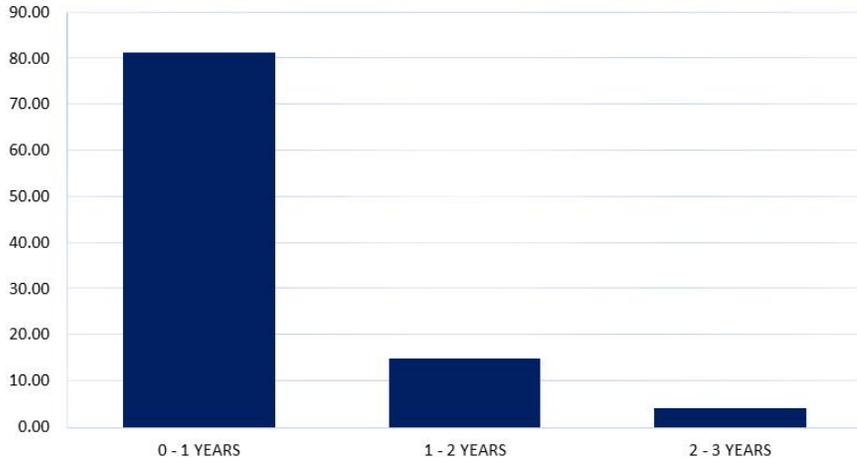


## Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 10 ST OPERATING		
AUSTIN TX WTR WSTWT	18,009,202	4.65
TARRANT CNTY TX CULTU	15,952,569	4.12
LOUDOUN CNTY VA INDL	15,217,401	3.93
MISSISSIPPI ST BUSINESS	15,011,852	3.88
ARIZONA ST HLTH FACS A	12,009,695	3.10
UNIV OF TEXAS TX PERMA	12,000,000	3.10
MARYLAND ST HLTH HGR	11,889,225	3.07
IOWA ST FIN AUTH REVEN	11,218,873	2.90
WISCONSIN ST	11,171,804	2.89
CHARLESTON CNTY SC S	10,116,531	2.61



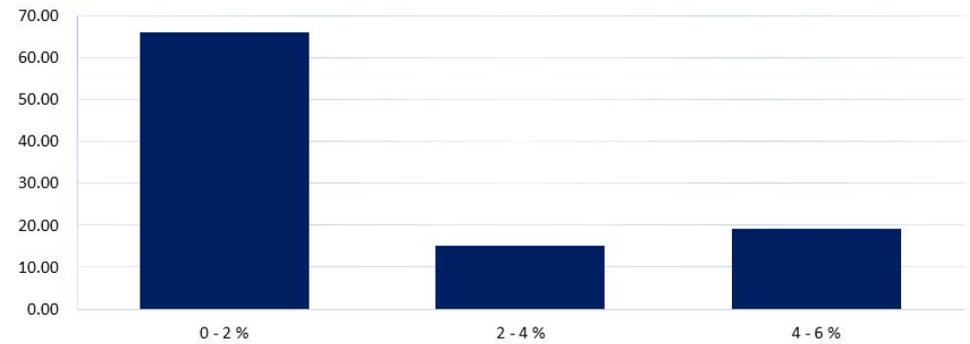
**Duration Distribution**



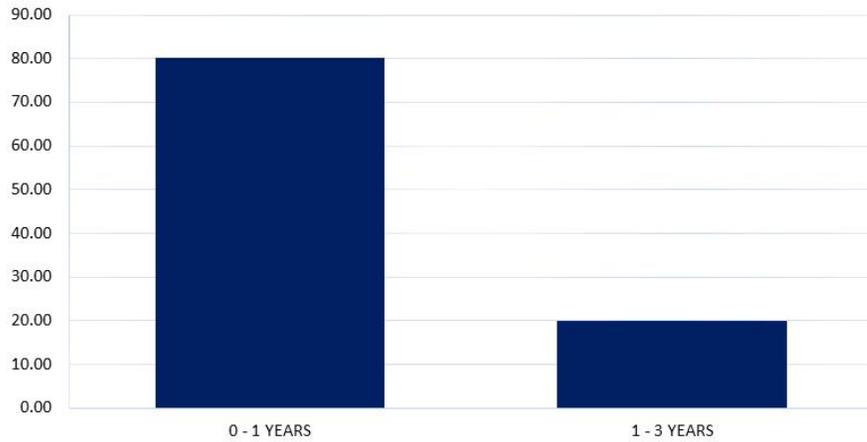
**Portfolio Level Characteristics**

	POOL 10 ST OPERATING
Effective Maturity	0.43
Coupon	2.45
Effective Duration	0.42
Quality Rating (Moody's)	AA-1

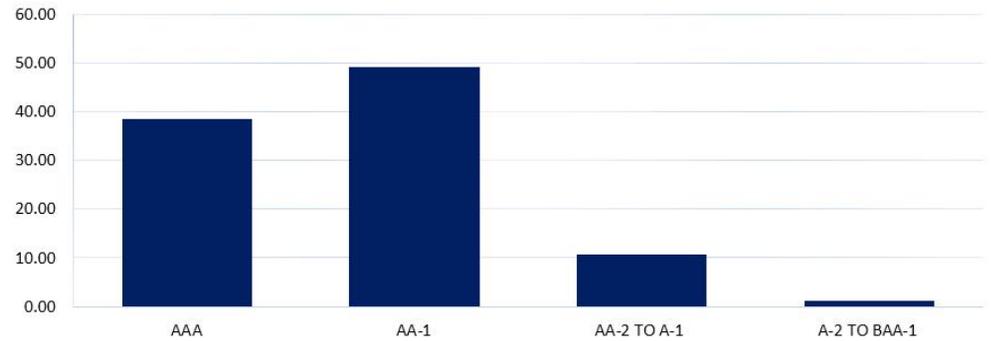
**Coupon Distribution**



**Expected Maturity Distribution**

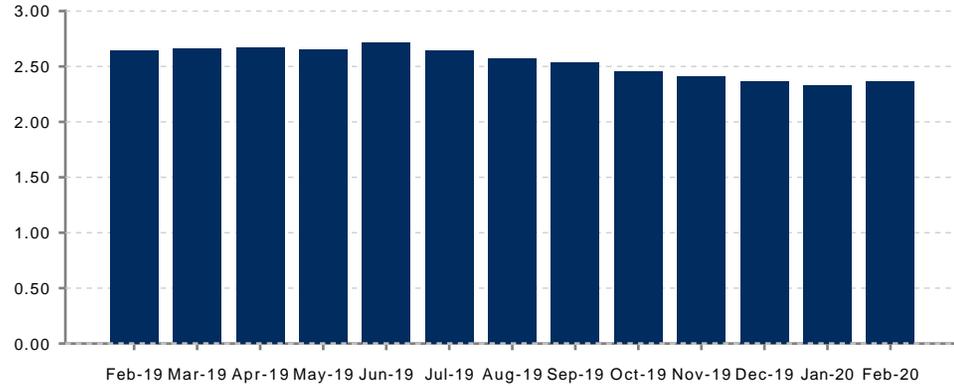


**Rating Distribution**





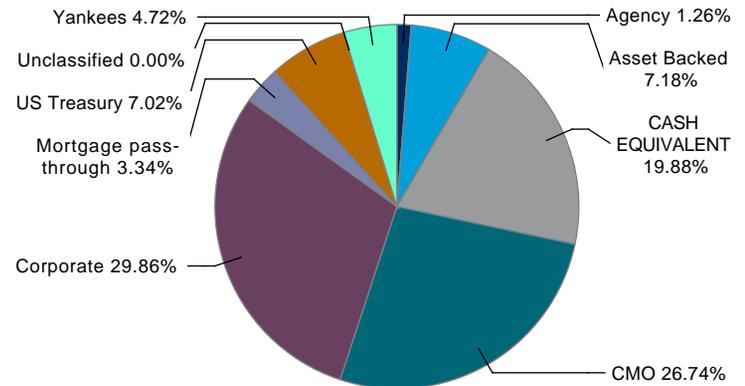
**Net Yield**



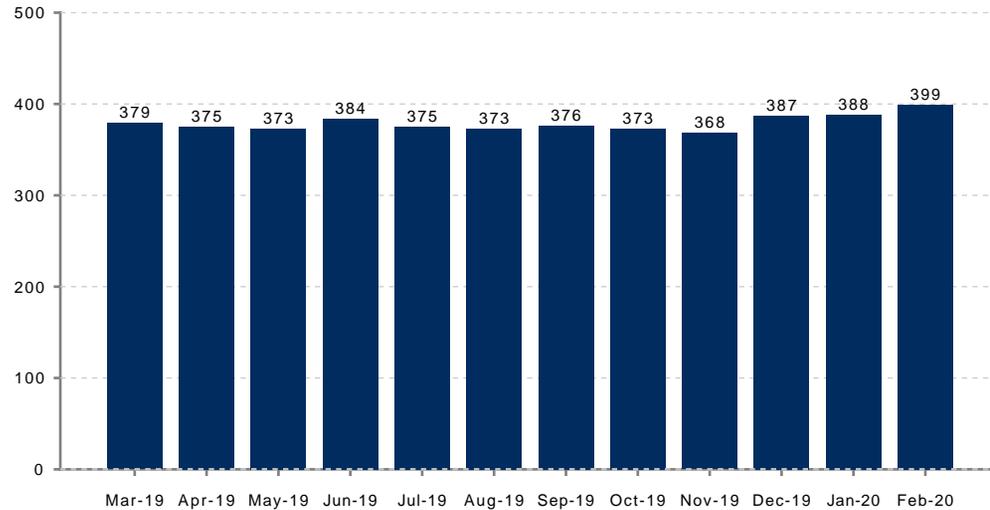
	Current Mth	Prior Mth	1 Year Ago
POOL 12 CAWCD MED TRM	2.37	2.33	2.64

**Asset Allocation**

	Ending Market Value
POOL 12 CAWCD MED TRM	398,800,165



**Net Asset Values over Time (\$MM)**

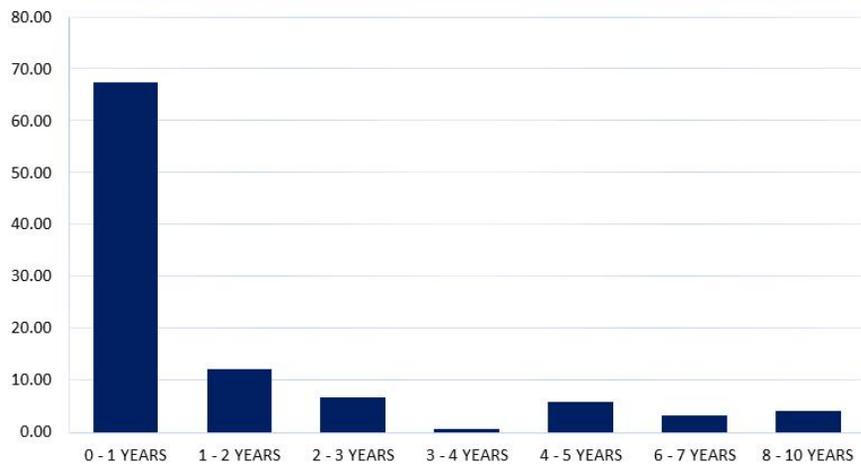


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 12 CAWCD MED TRM		
US TREASURY N/B	10,206,516	2.56
CROWN POINT CAP CO.	10,011,975	2.51
WI TREASURY SEC	7,615,211	1.91
GOVERNMENT NATIONAL MORTGAGE A	7,119,395	1.79
GLENCOVE FDG DAC/LLC	7,002,064	1.76
FORD CREDIT AUTO OWNER TRUST/F	6,452,531	1.62
SOUTH STREET REPO	6,423,593	1.61
EXELON GENERATION COMP	5,999,710	1.50
GOVERNMENT NATIONAL MORTGAGE A	5,901,715	1.48
BANK OF AMERICA CORP	5,551,768	1.39



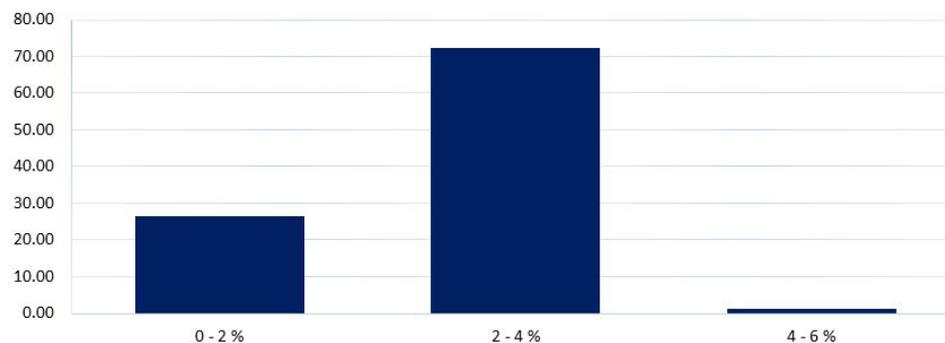
**Duration Distribution**



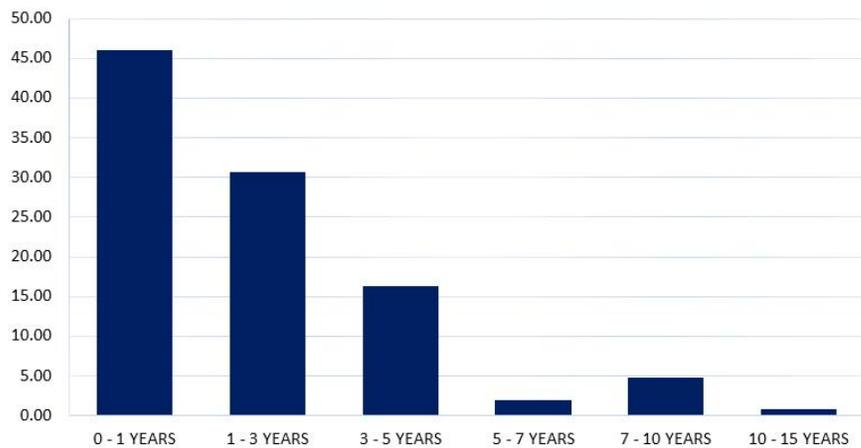
**Portfolio Level Characteristics**

	POOL 12 CAWCD MED TRM
Effective Maturity	2.03
Coupon	2.28
Effective Duration	1.11
Quality Rating (Moody's)	AA-2

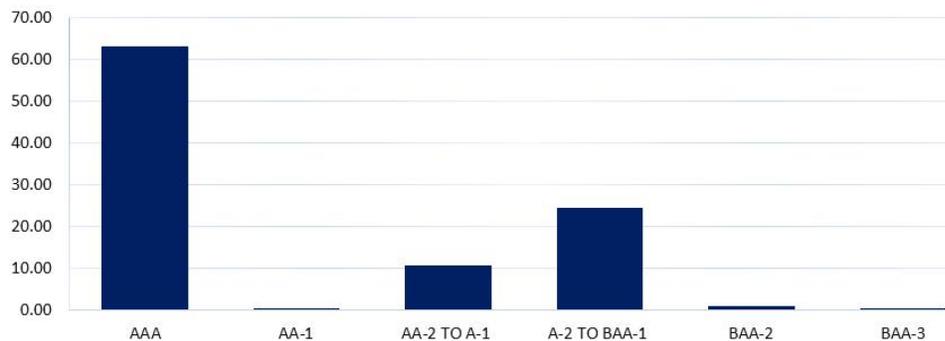
**Coupon Distribution**



**Expected Maturity Distribution**

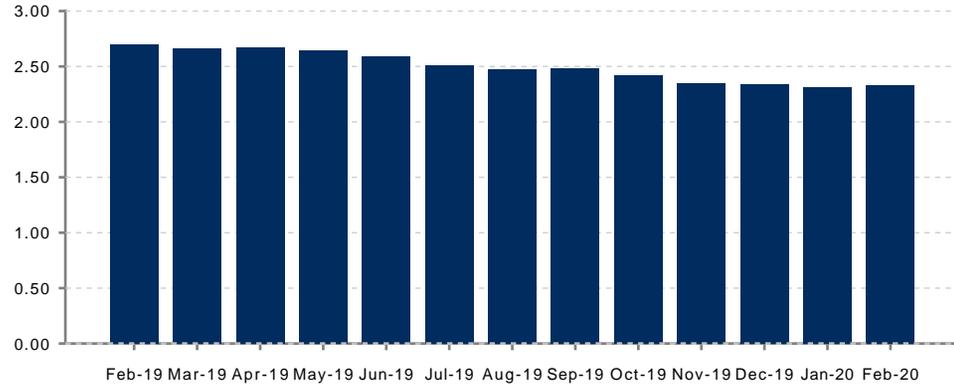


**Rating Distribution**





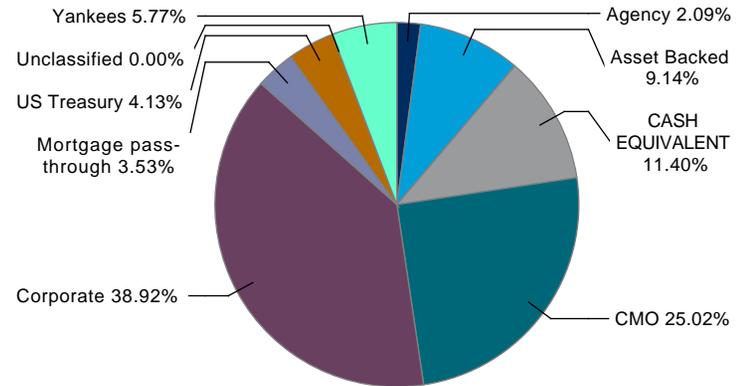
**Net Yield**



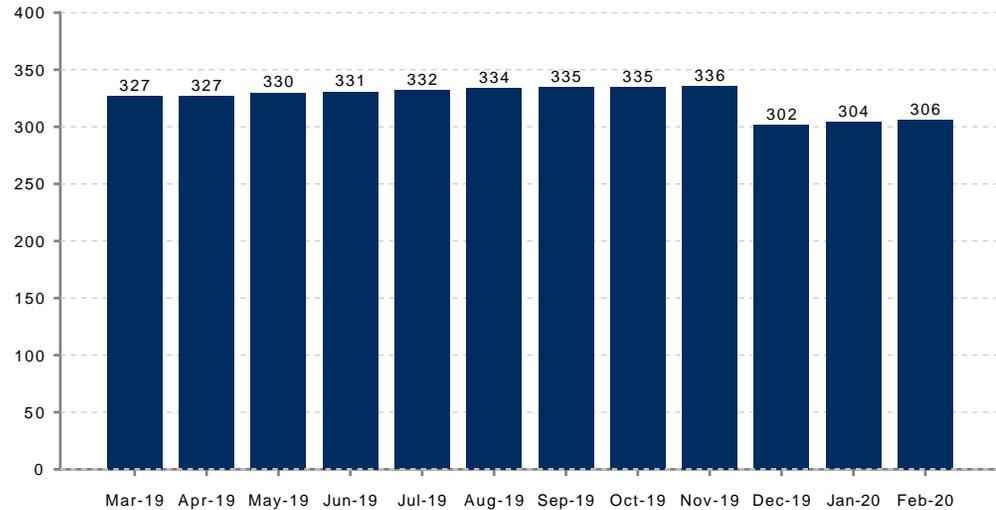
	Current Mth	Prior Mth	1 Year Ago
POOL 16 ECDHB	2.33	2.31	2.70

**Asset Allocation**

	Ending Market Value
POOL 16 ECDHB	306,386,128



**Net Asset Values over Time (\$MM)**

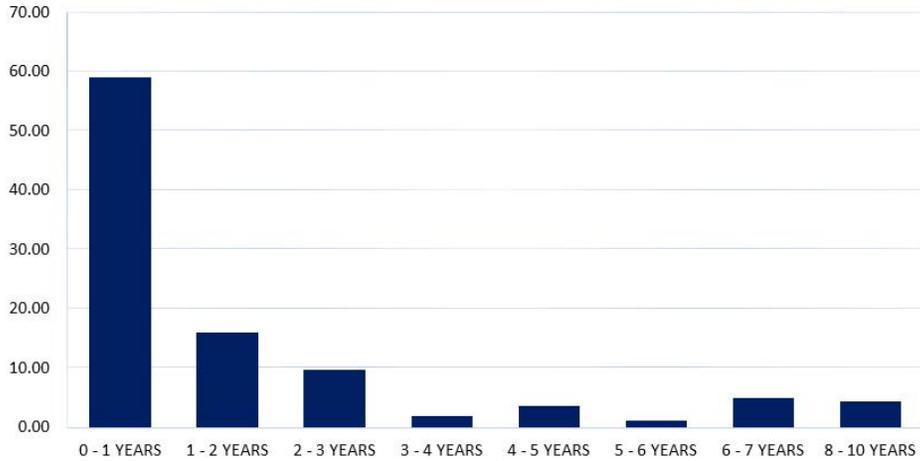


**Top 10 Holdings**

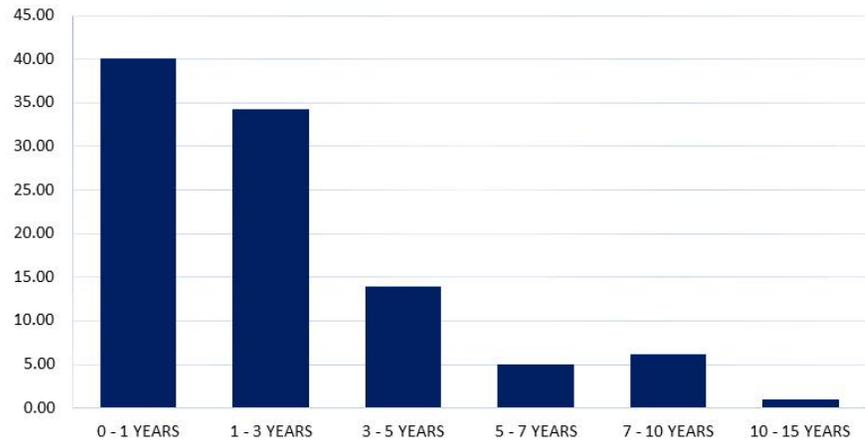
Security Name	Ending Market Value	% of Portfolio
POOL 16 ECDHB		
BANK OF AMERICA CORP	5,445,780	1.78
BANK OF NY MELLON CORP	5,376,783	1.75
FREDDIE MAC	5,312,286	1.73
BRISTOL MYERS SQUIBB CO	5,295,349	1.73
NEXTERA ENERGY CAPITAL	5,280,523	1.72
BOEING CO	5,236,881	1.71
IBM CORP	5,138,405	1.68
FANNIE MAE	5,122,950	1.67
FANNIE MAE	5,113,987	1.67
US TREASURY N/B	5,103,258	1.67



**Duration Distribution**



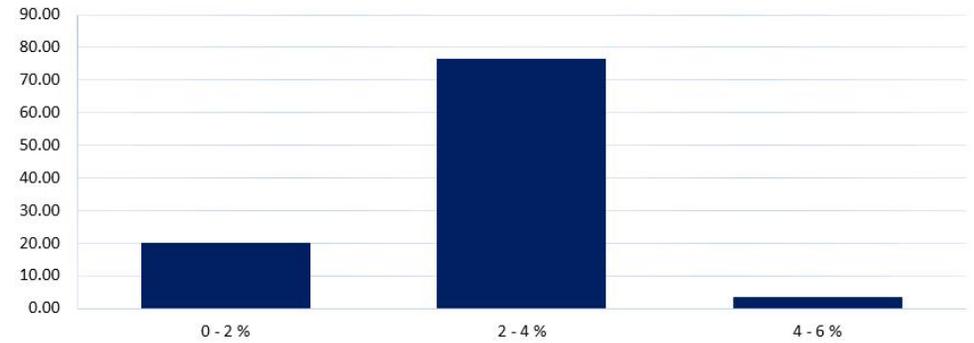
**Expected Maturity Distribution**



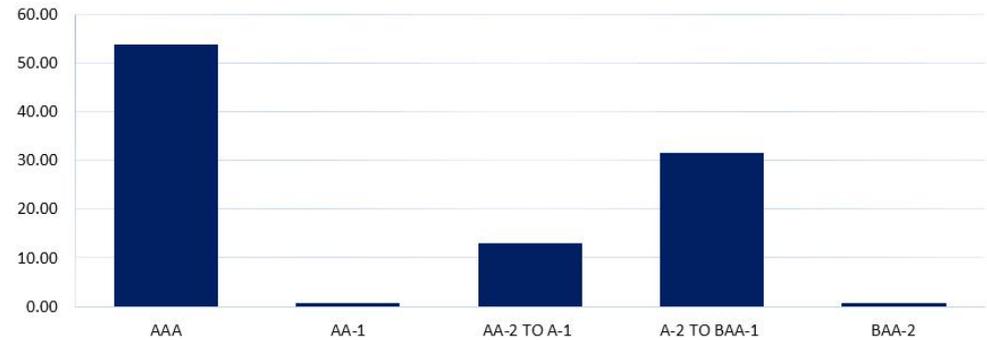
**Portfolio Level Characteristics**

	POOL 16 ECDHB
Effective Maturity	2.27
Coupon	2.50
Effective Duration	1.45
Quality Rating (Moody's)	AA-2

**Coupon Distribution**



**Rating Distribution**



**LGIP & LGIP- GOV  
 PORTFOLIO YIELD ANALYSIS  
 FEBRUARY 2020**

**NET EARNINGS**

<b>FUND</b>	<b>DESCRIPTION</b>	<b>Current Month 02/29/20</b>	<b>Prior Month 01/31/20</b>	<b>Prior Year 02/28/19</b>	<b>Net Asset Value Per Share</b>
5	LGIP	\$2,310,283	\$2,589,125	\$2,983,112	1.0000
7	LGIP - GOV (1)	2,255,004	2,350,657	2,415,716	1.0000
	<b>TOTAL LGIP &amp; LGIP-GOV</b>	<b>\$4,565,287</b>	<b>\$4,939,782</b>	<b>\$5,398,828</b>	

**YIELDS**

<b><u>MONTHLY</u></b>		<b>Current Month 02/29/20</b>	<b>Prior Month 01/31/20</b>	<b>Prior Year 2/28/19</b>
5	LGIP (NET)	1.71%	1.77%	2.55%
	S&P LGIP Index	1.64%	1.64%	2.41%
7	LGIP - GOV (NET) (1)	1.55%	1.57%	2.40%
	Trailing 3-mo T-bill	1.54%	1.55%	2.40%

**FISCAL YEAR TO DATE**

5	LGIP (NET)	1.99%	2.03%	2.27%
	S&P LGIP Index	1.94%	1.99%	2.13%
7	LGIP - GOV (NET) (1)	1.88%	1.92%	2.12%
	Trailing 3-mo T-bill	1.82%	1.86%	2.19%

(1) The LGIP-GOV Pool consists of only securities explicitly backed by the full faith & credit of the US Government.

**LGIP & LGIP- GOV MEDIUM TERM POOLS  
 PORTFOLIO YIELD ANALYSIS  
 FEBRUARY 2020**

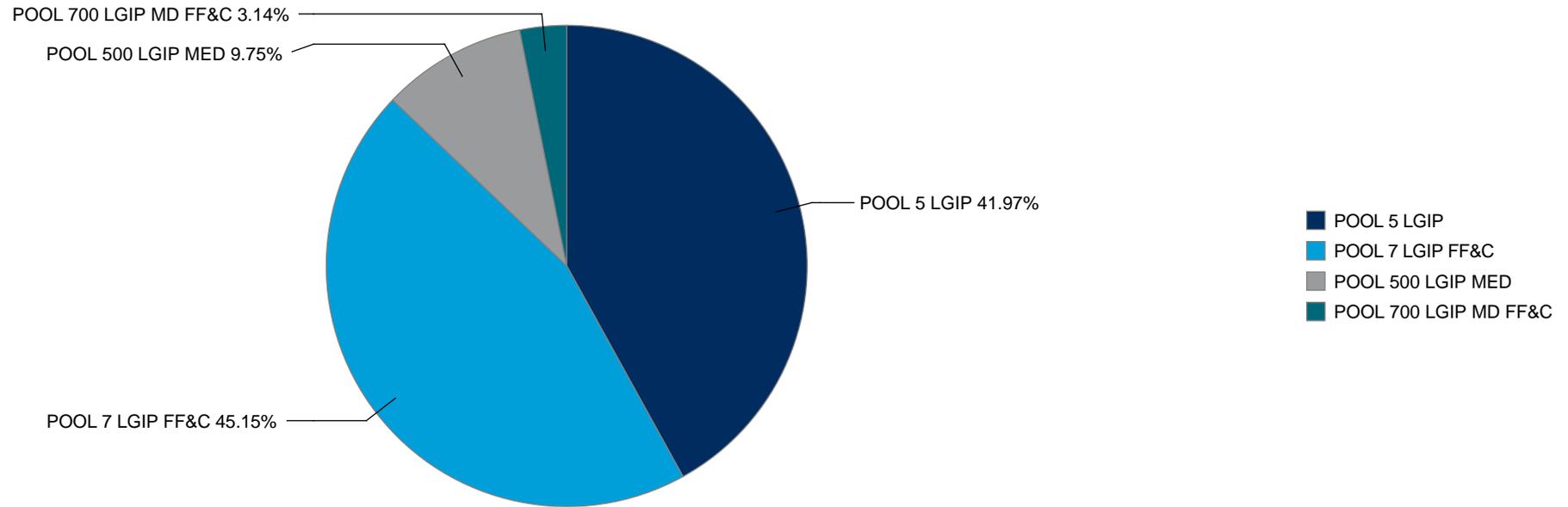
**NET EARNINGS**

<b>FUND</b>	<b>DESCRIPTION</b>	<b>Current Month 02/29/20</b>	<b>Prior Month 01/31/20</b>	<b>Prior Year 02/28/19</b>	<b>Net Asset Value Per Share</b>
500	LGIP - MED TERM POOL	\$670,513	\$716,260	\$670,127	1.0416
700	LGIP - FF&C MED TERM POOL	188,480	205,678	244,222	1.0158
	<b>TOTAL LGIP MEDIUM TERM POOLS</b>	<b>\$858,993</b>	<b>\$921,938</b>	<b>\$914,349</b>	

**YIELDS**

<u><b>MONTHLY</b></u>		<b>Current Month 02/29/20</b>	<b>Prior Month 01/31/20</b>	<b>Prior Year 2/28/19</b>
500	LGIP - MED TERM (NET)	2.18%	2.17%	2.51%
	20% S&P LGIP Index /	1.57%	1.70%	2.63%
	80% Bloomberg Barclays 1-3 year US Agg			
700	LGIP - FF&C MED TERM (NET)	1.90%	1.90%	2.31%
	20% Trailing 3-mo T-bill /	1.40%	1.55%	2.49%
	80% Barclay 1-3 year UST			
<u><b>FISCAL YEAR TO DATE</b></u>				
500	LGIP - MED TERM (NET)	2.31%	2.33%	2.38%
	20% S&P LGIP Index /	1.84%	1.88%	2.72%
	80% Bloomberg Barclays 1-3 year US Agg			
700	LGIP - FF&C MED TERM (NET)	2.02%	2.04%	2.12%
	20% Trailing 3-mo T-bill /	1.67%	1.70%	2.58%
	80% Bloomberg Barclays 1-3 year UST			

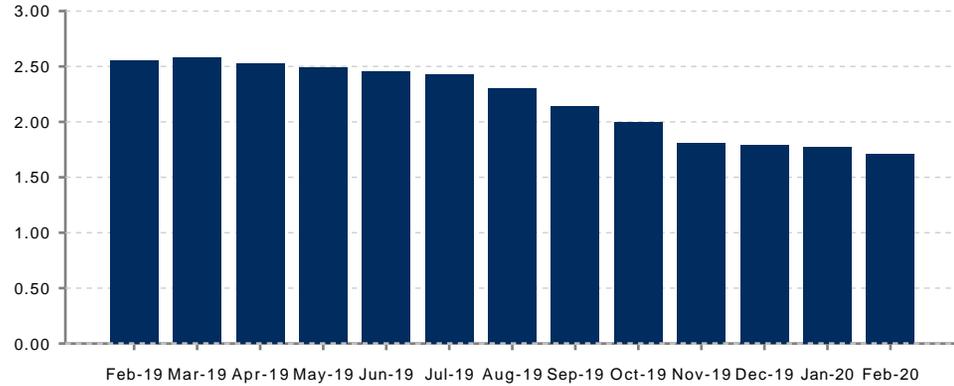
**Manager Allocation**



	Market Value	% of Portfolio
POOL 5 LGIP	1,677,202,042	42.0
POOL 7 LGIP FF&C	1,804,313,221	45.1
POOL 500 LGIP MED	389,523,555	9.7
POOL 700 LGIP MD FF&C	125,371,693	3.1
<b>TOTAL LGIP</b>	<b>3,996,410,511</b>	<b>100.0</b>



**Net Yield**

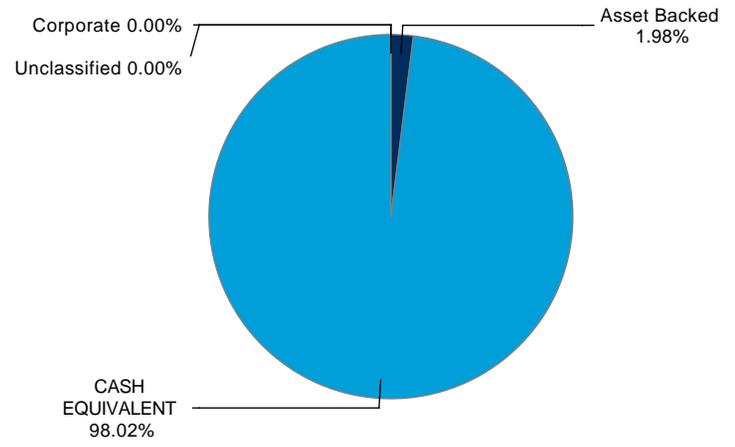


**Current Mth**                      **Prior Mth**                      **1 Year Ago**

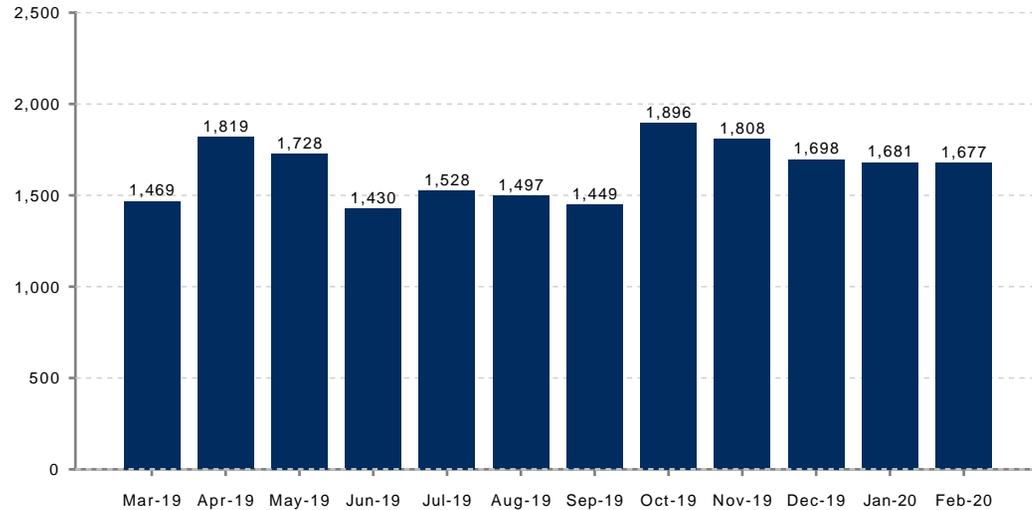
POOL 5 LGIP	1.71	1.77	2.55
-------------	------	------	------

**Asset Allocation**

	Ending Market Value
POOL 5 LGIP	1,677,202,042



**Net Asset Values over Time (\$MM)**

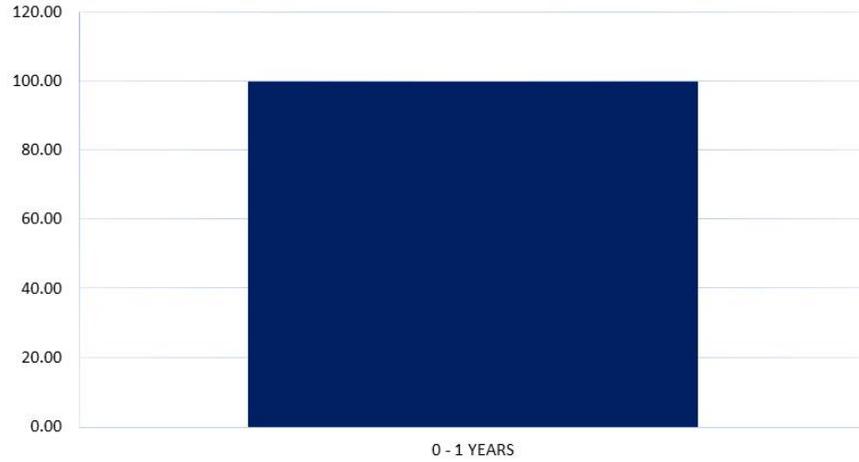


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 5 LGIP		
BANK OF AMERICA REPO	100,008,778	5.96
RBC CAPITAL MARKETS REPO	75,006,417	4.47
UNITED HEALTHCARE CO	24,985,500	1.49
INSTITUTIONAL SECURED	24,985,417	1.49
UNITED HEALTHCARE CO	24,965,208	1.49
INSTITUTIONAL SECURED	24,962,757	1.49
CREDIT AGRICOLE REPO	22,287,349	1.33
BANK OF MONTREAL-	20,093,000	1.20
CROWN POINT CAP CO.	20,020,930	1.19
TOYOTA MOTOR CREDIT	20,002,070	1.19



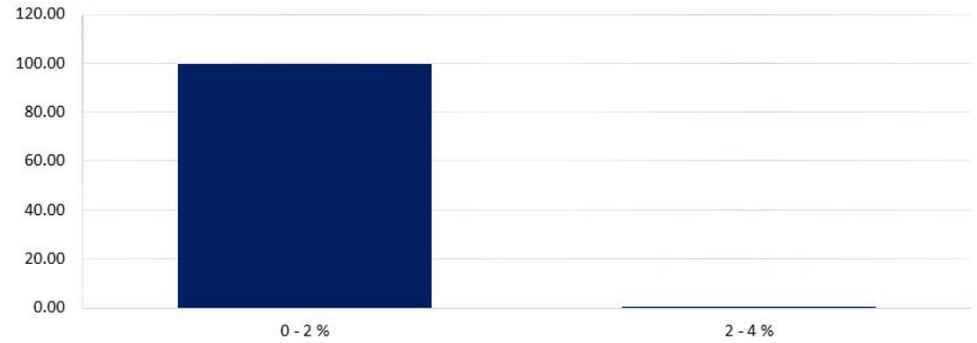
**Duration Distribution**



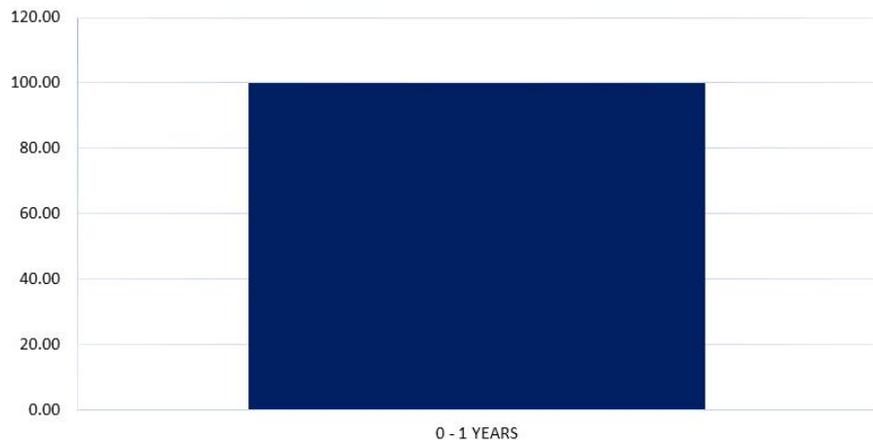
**Portfolio Level Characteristics**

	POOL 5 LGIP
Effective Maturity	0.13
Coupon	0.04
Effective Duration	0.13
Quality Rating (Moody's)	AAA

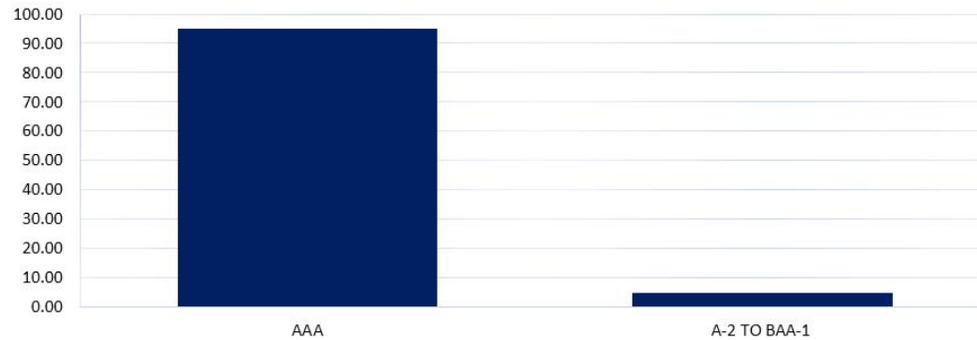
**Coupon Distribution**



**Expected Maturity Distribution**

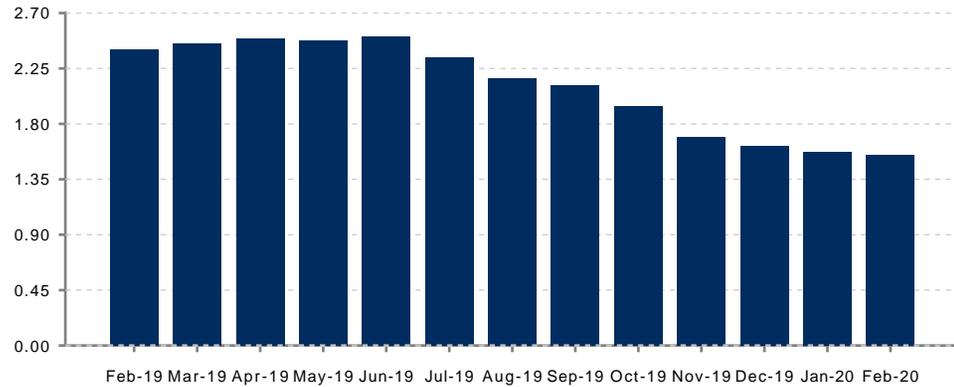


**Rating Distribution**





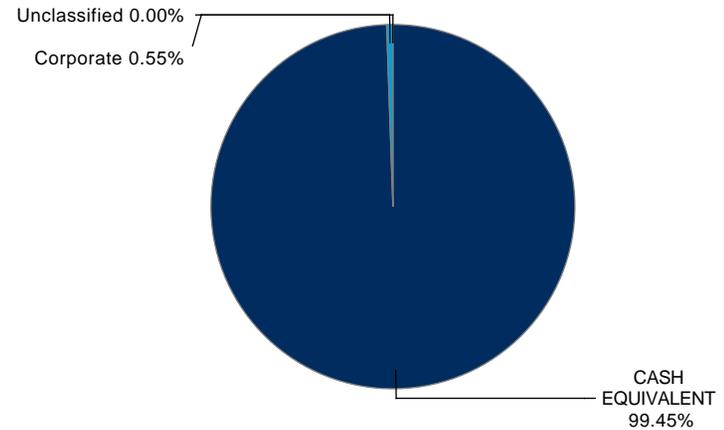
**Net Yield**



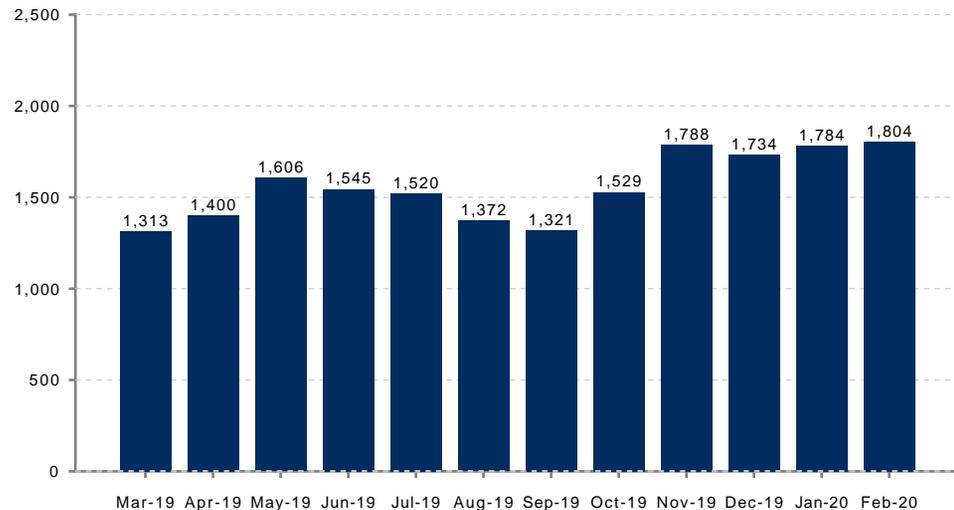
	Current Mth	Prior Mth	1 Year Ago
POOL 7 LGIP FF&C	1.55	1.57	2.40

**Asset Allocation**

	Ending Market Value
POOL 7 LGIP FF&C	1,804,313,221



**Net Asset Values over Time (\$MM)**

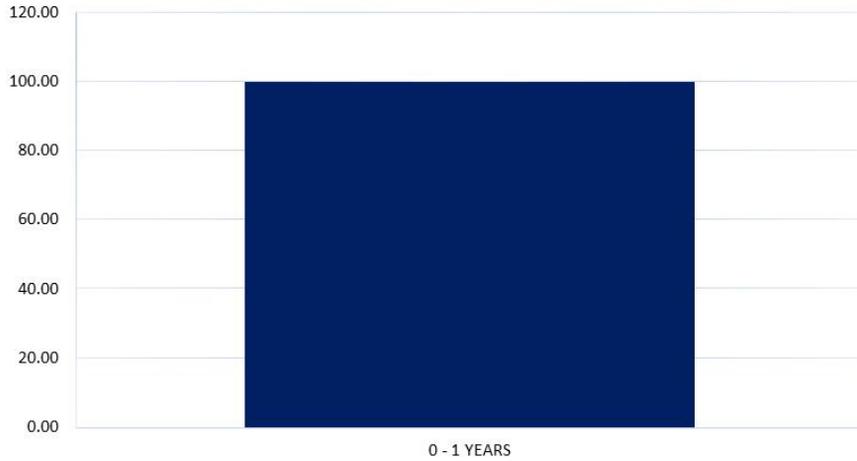


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 7 LGIP FF&C		
GUGGENHEIM SECURITIES REPO	100,008,611	5.54
TREASURY BILL	99,912,061	5.54
GUGGENHEIM SECURITIES REPO	99,369,199	5.51
WELLS FARGO REPO	80,017,333	4.43
TREASURY BILL	79,867,624	4.43
TREASURY BILL	69,838,575	3.87
CREDIT AGRICOLE REPO	69,306,357	3.84
TREASURY BILL	59,929,146	3.32
TREASURY BILL	59,878,048	3.32
TREASURY BILL	59,856,973	3.32



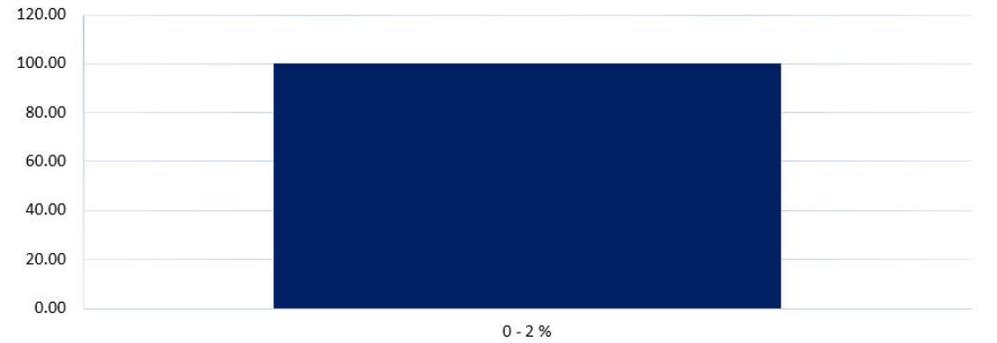
**Duration Distribution**



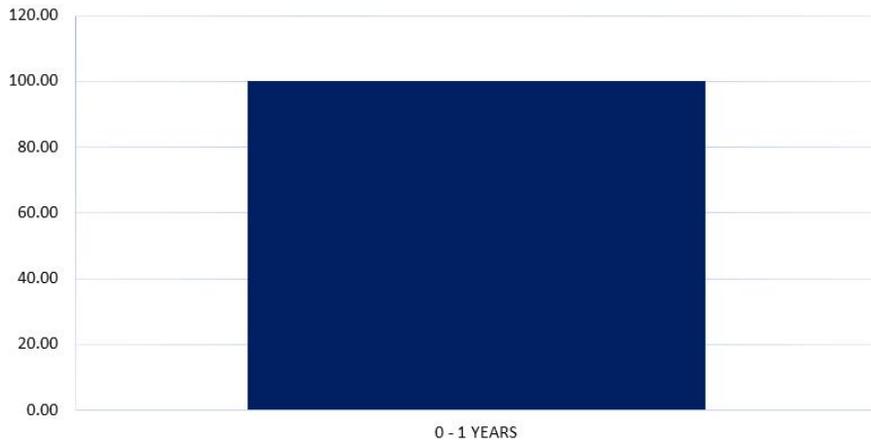
**Portfolio Level Characteristics**

	POOL 7 LGIP FF&C
Effective Maturity	0.09
Coupon	0.00
Effective Duration	0.09
Quality Rating (Moody's)	AAA

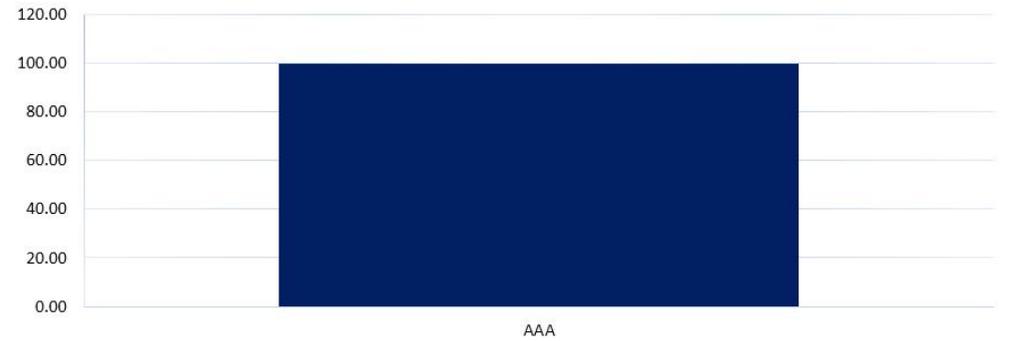
**Coupon Distribution**



**Expected Maturity Distribution**

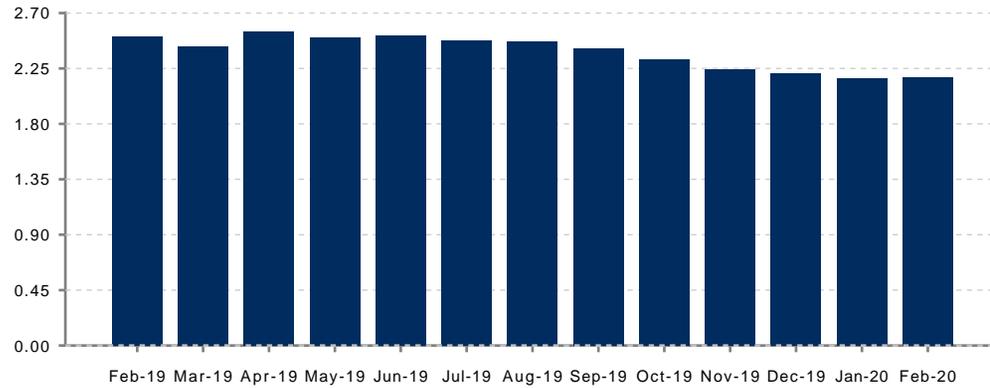


**Rating Distribution**





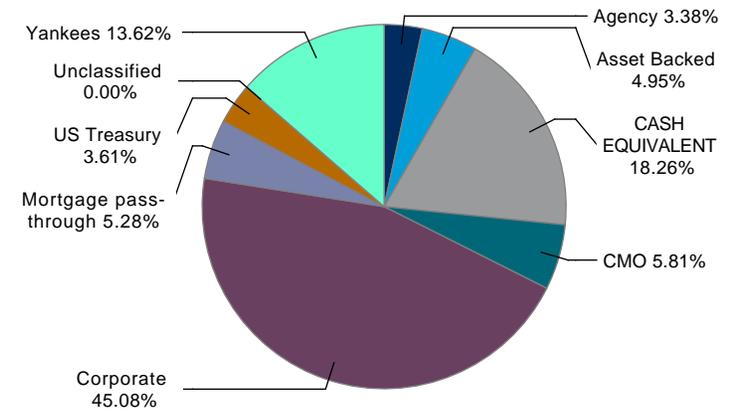
**Net Yield**



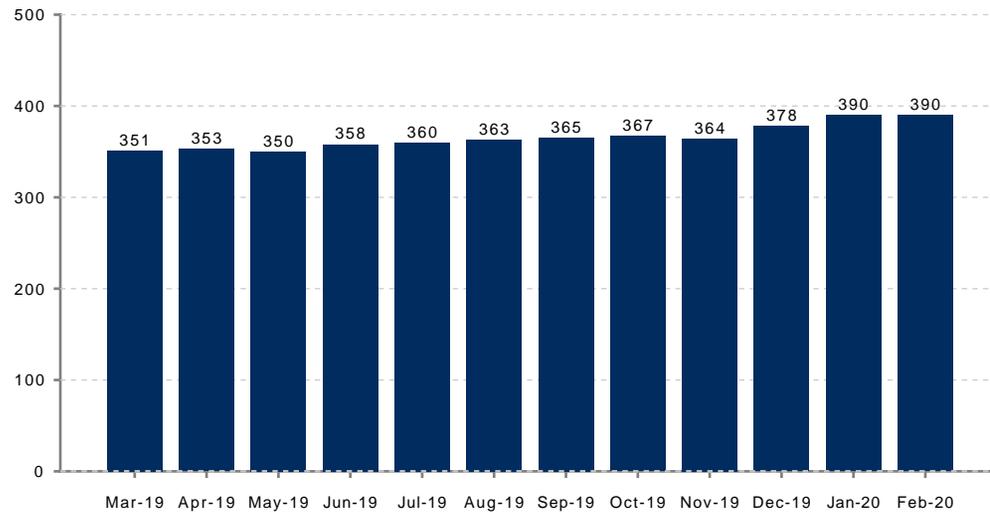
	Current Mth	Prior Mth	1 Year Ago
POOL 500 LGIP MED	2.18	2.17	2.51

**Asset Allocation**

	Ending Market Value
POOL 500 LGIP MED	389,523,555



**Net Asset Values over Time (\$MM)**

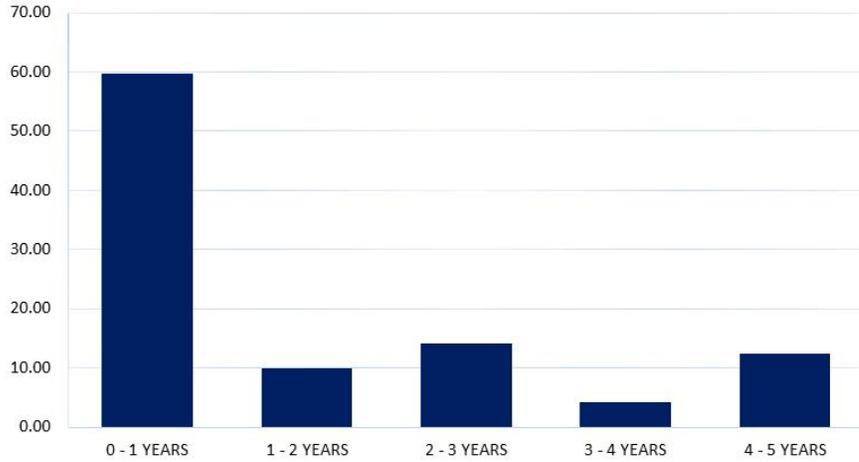


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 500 LGIP MED		
BERKSHIRE HATHAWAY ENE	7,991,088	2.05
APPLE INC	7,047,863	1.81
MANUF + TRADERS TRUST CO	7,025,170	1.80
INSTITUTIONAL SECURED	5,991,600	1.54
BANK OF AMERICA CORP	5,907,622	1.52
US BANCORP	5,218,786	1.34
AMERICAN EXPRESS CO	5,189,728	1.33
TRUIST BANK	5,144,738	1.32
NEW YORK LIFE GLOBAL FDG	5,128,533	1.32
EXXON MOBIL CORPORATION	5,118,608	1.31



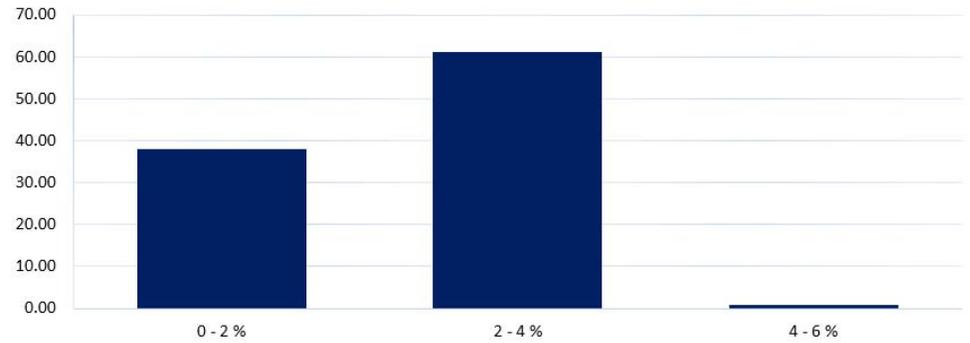
**Duration Distribution**



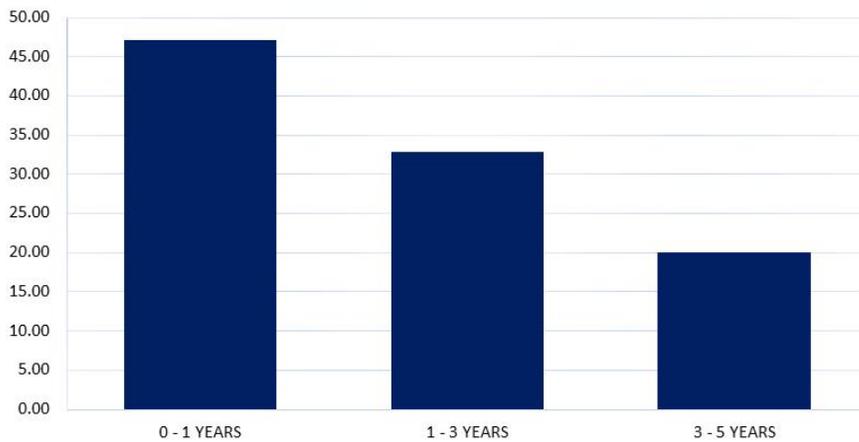
**Portfolio Level Characteristics**

	POOL 500 LGIP MED
Effective Maturity	1.63
Coupon	2.02
Effective Duration	1.28
Quality Rating (Moody's)	AA-3

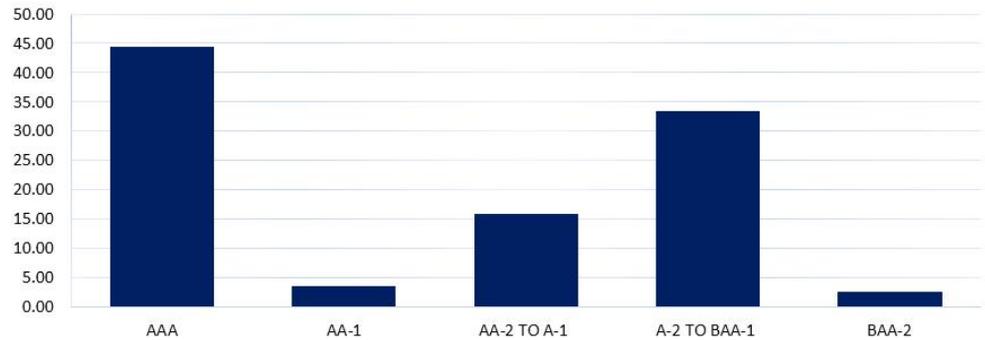
**Coupon Distribution**



**Expected Maturity Distribution**



**Rating Distribution**



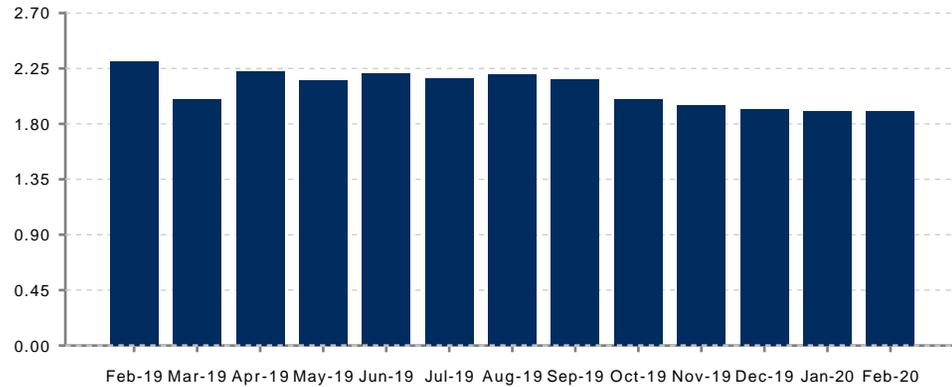
# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

POOL 700 LGIP MD FF&C



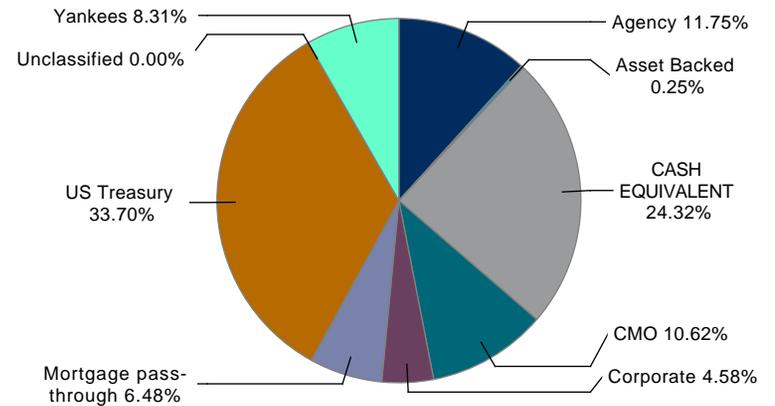
## Net Yield



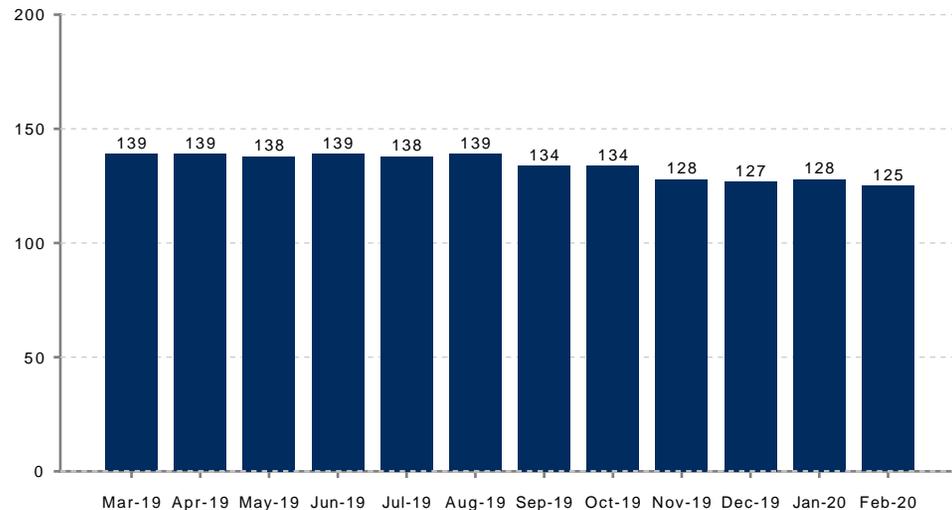
	Current Mth	Prior Mth	1 Year Ago
POOL 700 LGIP MD FF&C	1.90	1.90	2.31

## Asset Allocation

	Ending Market Value
POOL 700 LGIP MD FF&C	125,371,693



## Net Asset Values over Time (\$MM)

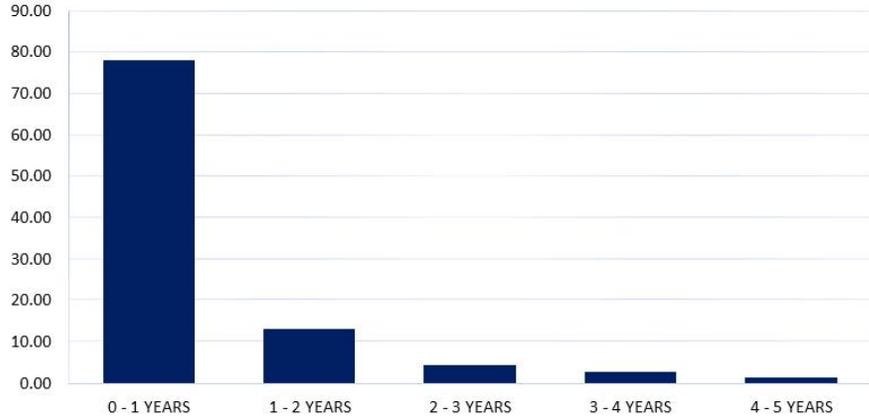


## Top 10 Holdings

Security Name	Ending Market Value	% of Portfolio
POOL 700 LGIP MD FF&C		
SOUTH STREET REPO	6,505,233	5.19
AID JORDAN	6,384,319	5.09
INT DEVELOPMENT FIN CORP	5,328,846	4.25
US TREASURY N/B	5,046,620	4.03
CANTOR FITZGERALD REPO	5,005,850	3.99
US TREASURY N/B	5,004,093	3.99
BMO TRIPARTY MTGE	5,000,654	3.99
PRIVATE EXP. FUNDING	4,989,479	3.98
US TREASURY N/B	4,032,071	3.22
PRIVATE EXP. FUNDING	3,995,333	3.19



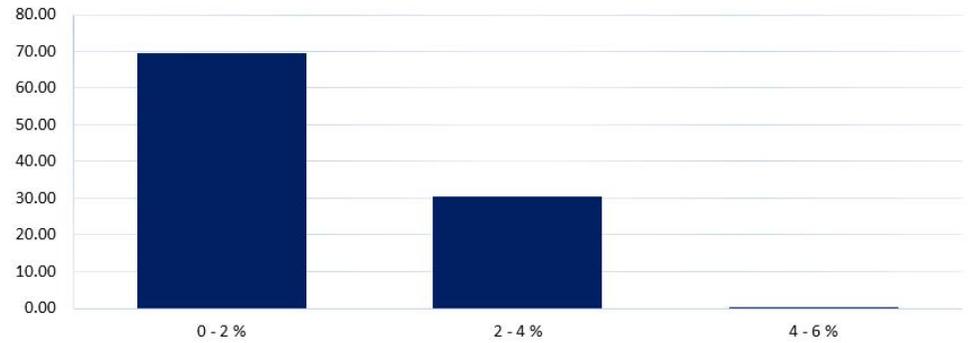
**Duration Distribution**



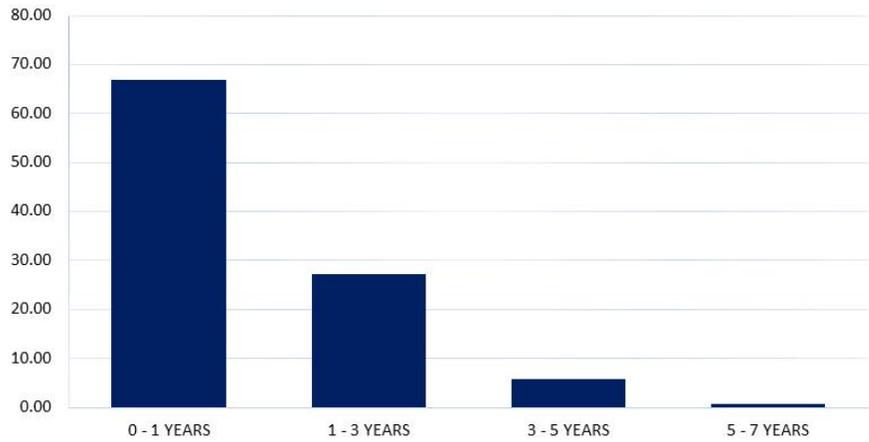
**Portfolio Level Characteristics**

	POOL 700 LGIP MD FF&C
Effective Maturity	0.94
Coupon	1.57
Effective Duration	0.71
Quality Rating (Moody's)	AAA

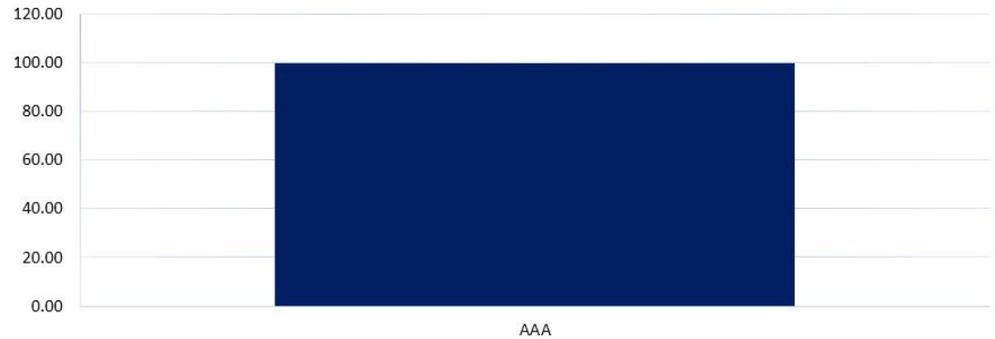
**Coupon Distribution**



**Expected Maturity Distribution**



**Rating Distribution**



**EARNINGS DISTRIBUTED  
 PERMANENT LAND ENDOWMENT TRUST FUND  
 FEBRUARY 2020**

Distributed in Current Month

Recipient	FEBRUARY 2020	Fiscal YTD 19/20	Fiscal YTD 18/19	Fiscal YTD Change
101 A & M Colleges	\$73,227	\$585,816	\$563,241	\$22,574
102 State Hospital	51,319	410,551	376,679	33,872
103 Leg., Exec., & Jud.	60,756	486,048	466,565	19,483
104 Military Institute	4,049	32,393	30,941	1,452
105 Miners Hospital	170,411	1,363,285	1,264,945	98,340
107 Normal School ASU/NAU	31,311	250,488	230,841	19,647
108 Penitentiaries	113,987	911,894	848,668	63,225
109 Permanent Common School	28,518,181	228,145,452	214,163,757	13,981,695
110 School for Deaf & Blind	41,371	330,966	308,849	22,116
111 School of Mines	83,229	665,833	638,926	26,907
112 State Charitable-Pioneers Home	412,187	3,297,493	3,152,927	144,566
112 State Charitable-Corrections	206,093	1,648,747	1,576,464	72,283
112 State Charitable-Youth Treatment	206,093	1,648,747	1,576,464	72,283
113 University Fund	151,327	1,210,618	1,147,091	63,527
114 U of A Land - 1881	541,028	4,328,220	3,936,293	391,927
<b>Total</b>	<b>\$30,664,569</b>	<b>\$245,316,549</b>	<b>\$230,282,650</b>	<b>\$15,033,898</b>

**Land Sales Monthly Proceeds  
Permanent Land Endowment Trust Fund**

<b>Month</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
<b>January</b>	\$29,493,046	\$7,126,212	\$5,108,687	\$2,960,815	\$809,822	\$30,671,107	\$34,028,510
<b>February</b>	33,969,801	2,535,244	1,083,178	1,103,303	744,295	875,823	2,362,463
<b>March</b>	1,323,549	1,096,232	1,106,860	3,045,043	8,296,029	997,479	
<b>April</b>	2,252,527	1,968,281	28,981,969	78,134,289	22,707,772	12,816,140	
<b>May</b>	1,100,261	19,123,417	20,147,116	27,642,672	16,234,823	590,432	
<b>June</b>	4,564,719	33,179,898	31,844,678	2,451,110	6,799,100	3,654,938	
<b>July</b>	4,196,738	6,092,396	2,469,997	13,838,188	27,835,379	4,356,585	
<b>August</b>	24,838,430	1,038,971	13,094,287	5,746,802	6,932,754	10,038,331	
<b>September</b>	1,960,673	1,967,125	(12,580,728)	19,937,751	8,293,343	1,201,114	
<b>October</b>	3,150,170	2,366,519	10,614,885	480,710	24,823,636	5,075,858	
<b>November</b>	34,193,583	1,358,711	28,490,238	9,500,048	42,245,892	9,161,341	
<b>December</b>	1,136,538	4,264,354	6,127,407	3,869,818	2,283,305	15,116,940	
<b>Calendar Year</b>	142,180,034	82,117,360	136,488,573	168,710,549	168,006,150	94,556,089	\$36,390,973
<b>Fiscal Year (July 1st to June 30th)</b>	104,912,840	134,505,415	105,360,563	163,553,318	108,965,158	162,020,229	\$81,341,142

**NET REALIZED CAPITAL GAINS / LOSSES - PERM LAND ENDOW TRUST FUND**

<u>Endowment Fund</u>	<u>February 2020</u> <u>NET GAIN(LOSS)</u>	<u>February 2019</u> <u>NET GAIN(LOSS)</u>
----- Fixed Income Pool	(\$411,056)	(\$251,040)
500 Large-Cap Fund	9,242,763	(440,611)
400 Mid-Cap Fund	1,022,527	6,881,111
600 Small-Cap Fund	1,204,594	2,568,630
<b>Totals</b>	\$11,058,829	\$8,758,090

<u>Endowment Fund</u>	<u>2019/2020</u> <u>FISCAL YEAR TO DATE</u> <u>GAINS(LOSSES)</u>	<u>2018/2019</u> <u>FISCAL YEAR TO DATE</u> <u>GAINS(LOSSES)</u>
Fixed Income Pool	(\$3,382,711)	(\$2,681,685)
500 Large-Cap Fund	192,508,999	29,972,958
400 Mid-Cap Fund	26,333,561	32,291,434
600 Small-Cap Fund	21,099,452	21,623,325
<b>Totals</b>	\$236,559,302	\$81,206,031

**PERM LAND ENDOWMENT TRUST FUND FIXED-INCOME POOLS  
PURCHASES & SALES  
FEBRUARY 2020**

**I. Endowment Funds Purchases**

<u>POOL</u>	<u>SECURITY DESCRIPTION</u>	<u>RATE</u>	<u>MATURITY</u>	<u>WAL YEARS (1)</u>	<u>PAR VALUE</u>	<u>PURCHASE COST</u>	<u>YIELD</u>	<u>MOODY'S RATING</u>	
205	BASIN ELECTRIC	0.00	04/02/2020	NA	\$4,300,000	\$4,292,443	1.71%	P-2	
205	EXELON	0.00	03/24/2020	NA	15,000,000	14,979,233	1.78%	P-2	
205	GINNIE MAE	5.52	01/20/2050	4.12	8,141,884	9,271,570	1.90%	Aaa	
205	KEYCORP	2.25	04/06/2027	NA	5,000,000	4,967,050	2.35%	Baa1	
205	KEYCORP	2.25	04/06/2027	NA	5,000,000	4,993,950	2.27%	Baa1	
205	LEXINGTON PARKER	0.00	04/14/2020	NA	5,000,000	4,987,625	1.65%	P-1	
205	US TREASURY	1.50	01/15/2023	NA	5,000,000	5,046,289	1.17%	Aaa	
123	BASIN ELECTRIC	0.00	03/26/2020	NA	5,000,000	4,992,875	1.71%	P-2	
123	EXELON	0.00	02/11/2020	NA	7,675,000	7,672,066	1.72%	P-2	
123	EXELON	0.00	03/02/2020	NA	8,000,000	7,992,267	1.74%	P-2	
123	EXELON	0.00	03/24/2020	NA	10,000,000	9,986,156	1.78%	P-2	
123	GLENCOVE	0.00	08/27/2020	NA	8,000,000	8,000,000	1.77%	P-1	
123	HARLEY-DAVIDSON	0.00	04/16/2020	NA	15,000,000	14,948,900	1.69%	P-2	
123	HARLEY-DAVIDSON	0.00	04/17/2020	NA	10,000,000	9,966,867	1.69%	P-2	
123	INSTITUTIONAL SECURED	0.00	02/13/2020	NA	20,000,000	19,993,389	1.70%	P-1	
123	INSTITUTIONAL SECURED	0.00	02/20/2020	NA	20,000,000	19,993,389	1.70%	P-1	
123	INSTITUTIONAL SECURED	0.00	03/05/2020	NA	5,000,000	4,998,575	1.71%	P-1	
123	STARBIRD	0.00	06/18/2020	NA	10,000,000	9,945,458	1.66%	P-1	
123	VERIZON	0.00	02/13/2020	NA	15,000,000	14,995,775	1.69%	P-1	
<b>TOTAL ENDOWMENT FUNDS PURCHASES</b>					<b><u>\$181,116,884</u></b>	<b><u>\$182,023,877</u></b>			

**II. Endowment Funds Sales**

<u>POOL</u>	<u>SECURITY DESCRIPTION</u>	<u>MATURITY</u>	<u>PAR VALUE</u>	<u>NET PROCEEDS</u>	<u>SALES GAINS/(LOSSES)</u>	<u>MOODY'S RATING</u>
205	GENERAL ELECTRIC	03/15/2023	\$10,000,000	\$10,000,000	\$0	Baa1
<b>TOTAL ENDOWMENT FUNDS SALES</b>			<b><u>\$10,000,000</u></b>	<b><u>\$10,000,000</u></b>	<b><u>\$0</u></b>	

(1) WAL is the weighted average life of the security based on the Bloomberg calculation at the time the trade is executed. The calculation is used only with mortgage-backed pass-through/CMO securities.

**PERMANENT LAND ENDOWMENT TRUST FUND  
 EQUITY FUNDS PURCHASES & SALES  
 FEBRUARY 2020**

**I. Equity Fund Purchases**

	<u>SHARES</u>	<u>PURCHASE COST</u>	<u>COMMISSIONS</u>
400 Mid-Cap Fund	615,333	\$32,925,965	\$3,851
500 Large-Cap Fund	67,897	17,828,934	444
600 Small-Cap Fund	1,250,883	33,160,521	8,853
<b>TOTAL EQUITY PURCHASES</b>	<b><u>1,934,113</u></b>	<b><u>\$83,915,421</u></b>	<b><u>\$13,149</u></b>

**II. Equity Funds Sales**

	<u>SHARES</u>	<u>SALES AMOUNT</u>	<u>COMMISSIONS</u>
400 Mid-Cap Fund	123,903	\$6,802,398	\$334
500 Large-Cap Fund	167,575	17,475,247	1,258
600 Small-Cap Fund	248,663	6,116,844	1,101
<b>TOTAL EQUITY SALES</b>	<b><u>540,141</u></b>	<b><u>\$30,394,489</u></b>	<b><u>\$2,693</u></b>

**PERMANENT LAND ENDOWMENT TRUST FUND**  
**INVESTMENTS OUTSTANDING**  
**FEBRUARY 29, 2020**  
**(In Thousands)**

State Treasurer's Report  
 March 31, 2020  
 Page 38

FUND NAME OF FUND	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	UNREALIZED GAINS (LOSSES)	<b>Mkt Value/ Book Value</b>
101 A & M Colleges					
<i>Shares in Equity Pools</i>	\$354	\$2,488	\$7,346	\$4,858	
<i>Shares in Fixed Income Pools</i>	3,527	2,525	5,571	3,046	
Total	<u>3,881</u>	<u>5,013</u>	<u>12,917</u>	<u>7,904</u>	<b>2.577</b>
102 State Hospital					
<i>Shares in Equity Pools</i>	286	2,487	5,930	3,443	
<i>Shares in Fixed Income Pools</i>	2,939	2,446	4,642	2,196	
Total	<u>3,224</u>	<u>4,933</u>	<u>10,572</u>	<u>5,639</u>	<b>2.143</b>
103 Leg., Exec, & Jud					
<i>Shares in Equity Pools</i>	289	2,181	5,999	3,818	
<i>Shares in Fixed Income Pools</i>	3,104	2,224	4,903	2,679	
Total	<u>3,393</u>	<u>4,406</u>	<u>10,902</u>	<u>6,496</u>	<b>2.475</b>
104 Military Institute					
<i>Shares in Equity Pools</i>	19	153	405	252	
<i>Shares in Fixed Income Pools</i>	215	151	339	188	
Total	<u>234</u>	<u>304</u>	<u>744</u>	<u>440</u>	<b>2.449</b>
105 Miners Hospital					
<i>Shares in Equity Pools</i>	904	8,257	18,770	10,513	
<i>Shares in Fixed Income Pools</i>	9,075	8,009	14,333	6,324	
Total	<u>9,978</u>	<u>16,266</u>	<u>33,102</u>	<u>16,837</u>	<b>2.035</b>
107 Normal School ASU/NAU					
<i>Shares in Equity Pools</i>	171	1,485	3,554	2,069	
<i>Shares in Fixed Income Pools</i>	1,768	1,419	2,792	1,372	
Total	<u>1,939</u>	<u>2,905</u>	<u>6,346</u>	<u>3,441</u>	<b>2.185</b>
108 Penitentiaries					
<i>Shares in Equity Pools</i>	575	4,876	11,951	7,075	
<i>Shares in Fixed Income Pools</i>	5,887	4,849	9,298	4,450	
Total	<u>6,463</u>	<u>9,725</u>	<u>21,250</u>	<u>11,525</u>	<b>2.185</b>

**PERMANENT LAND ENDOWMENT TRUST FUND**  
**INVESTMENTS OUTSTANDING**  
**FEBRUARY 29, 2020**  
**(In Thousands)**

State Treasurer's Report  
March 31, 2020  
Page 39

NAME OF FUND	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	UNREALIZED GAINS (LOSSES)	<b>Mkt Value/ Book Value</b>
109 Permanent Common School					
<i>Shares in Equity Pools</i>	152,054	1,245,264	3,158,336	1,913,072	
<i>Shares in Fixed Income Pools</i>	1,530,143	1,255,794	2,416,757	1,160,963	
Total	1,682,196	2,501,058	5,575,093	3,074,035	<b>2.229</b>
110 School for Deaf & Blind					
<i>Shares in Equity Pools</i>	212	1,787	4,397	2,611	
<i>Shares in Fixed Income Pools</i>	2,394	1,896	3,782	1,886	
Total	2,606	3,683	8,179	4,496	<b>2.221</b>
111 School of Mines					
<i>Shares in Equity Pools</i>	401	3,010	8,329	5,319	
<i>Shares in Fixed Income Pools</i>	4,126	3,064	6,517	3,453	
Total	4,527	6,074	14,846	8,772	<b>2.444</b>
112 State Charitable					
<i>Shares in Equity Pools</i>	4,265	33,392	88,581	55,189	
<i>Shares in Fixed Income Pools</i>	41,356	33,334	65,318	31,984	
Total	45,620	66,726	153,899	87,173	<b>2.306</b>
113 University Fund					
<i>Shares in Equity Pools</i>	912	9,591	18,951	9,359	
<i>Shares in Fixed Income Pools</i>	9,423	8,321	14,883	6,562	
Total	10,336	17,912	33,834	15,921	<b>1.889</b>
114 U Of A Land - 1881					
<i>Shares in Equity Pools</i>	2,807	27,334	58,305	30,971	
<i>Shares in Fixed Income Pools</i>	28,878	24,936	45,611	20,675	
Total	\$31,685	\$52,270	\$103,916	\$51,645	<b>1.988</b>
TOTALS - ALL FUNDS					
<i>Shares in Equity Pools</i>	163,248	1,342,305	3,390,854	2,048,549	
<i>Shares in Fixed Income Pools</i>	1,642,834	1,348,969	2,594,745	1,245,777	
<b>Grand Total</b>	\$1,806,082	\$2,691,274	\$5,985,599	\$3,294,326	
<b>PRIOR YEAR:</b>					
<b>FEBRUARY 2019 BALANCES</b>	<b>\$1,876,935</b>	<b>\$2,787,601</b>	<b>\$5,935,849</b>	<b>\$3,148,248</b>	

**PERMANENT LAND ENDOWMENT TRUST FUND  
INVESTMENTS OUTSTANDING  
FEBRUARY 29, 2020**

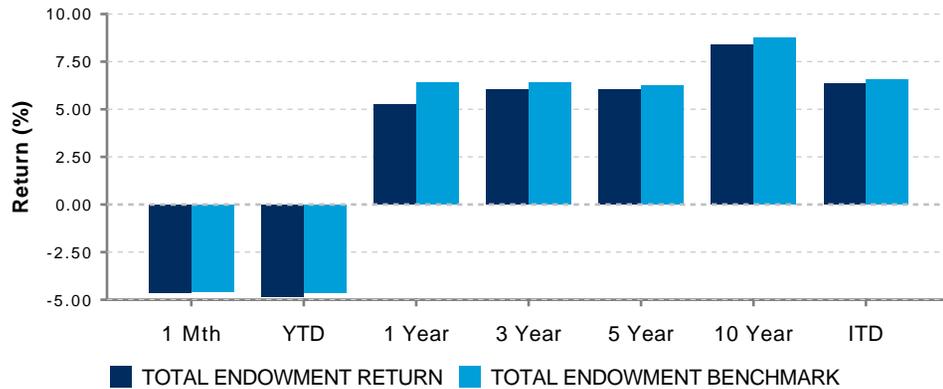
State Treasurer's Report  
March 31, 2020  
Page 40

**ASSET ALLOCATION PERCENTAGE**

	SHARES OUTSTANDING	BOOK VALUE	MARKET VALUE	FEBRUARY 2019 MARKET VALUE
<i>Equity Pools</i>	9.04%	<b>49.88%</b>	56.65%	60.47%
<i>Fixed Income Pools</i>	90.96%	<b>50.12%</b>	43.35%	39.53%
<b>Total</b>	<u>100.00%</u>	<u><b>100.00%</b></u>	<u>100.00%</u>	<u>100.00%</u>



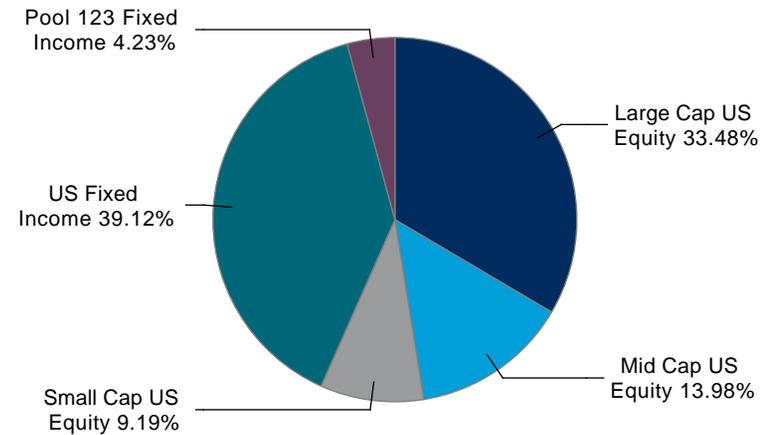
**Performance**



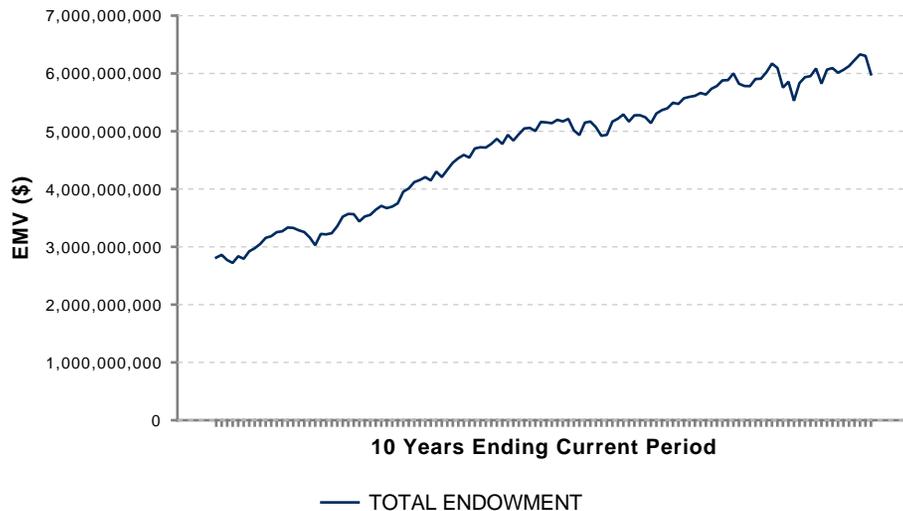
	1 Mth	YTD	1 Year	3 Year	5 Year	10 Year	ITD	Incept Date
TOTAL ENDOWMENT RETURN	-4.62	-4.83	5.25	6.04	6.03	8.41	6.34	07/99
TOTAL ENDOWMENT BENCHMARK	-4.57	-4.61	6.38	6.40	6.23	8.77	6.55	07/99
	-0.05	-0.22	-1.14	-0.36	-0.20	-0.36	-0.21	

**Asset Allocation**

	Ending Market Value
TOTAL ENDOWMENT RETURN	5,985,599,417

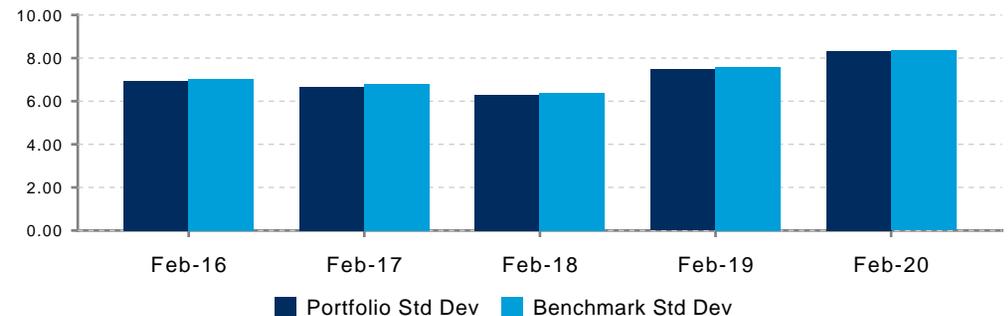


**Ending Market Value**



**3 Year Risk Statistics**

	Return	Portfolio Std Dev	Benchmark Std Dev	Sharpe Ratio	Beta	Tracking Error	Information Ratio
TOTAL ENDOWMENT RETURN	6.04	8.32	8.35	0.52	1.00	0.42	-0.85



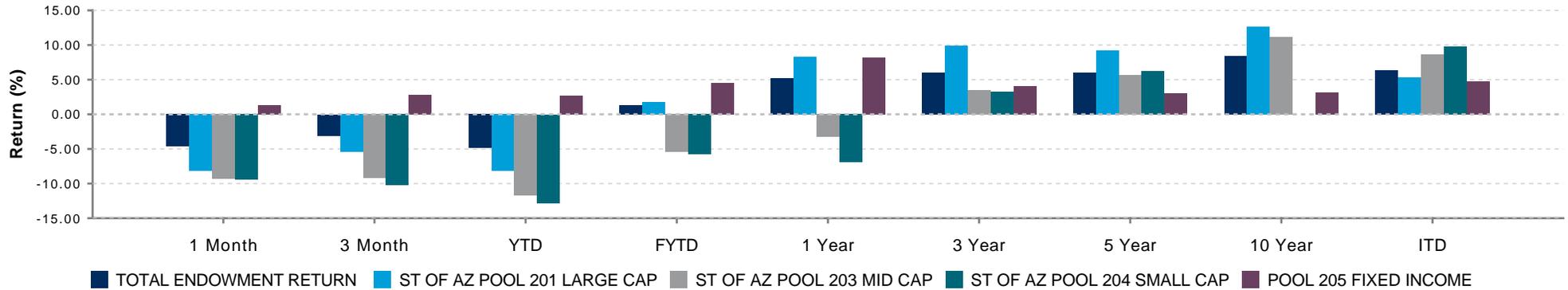
# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

Total Returns Net Mgr



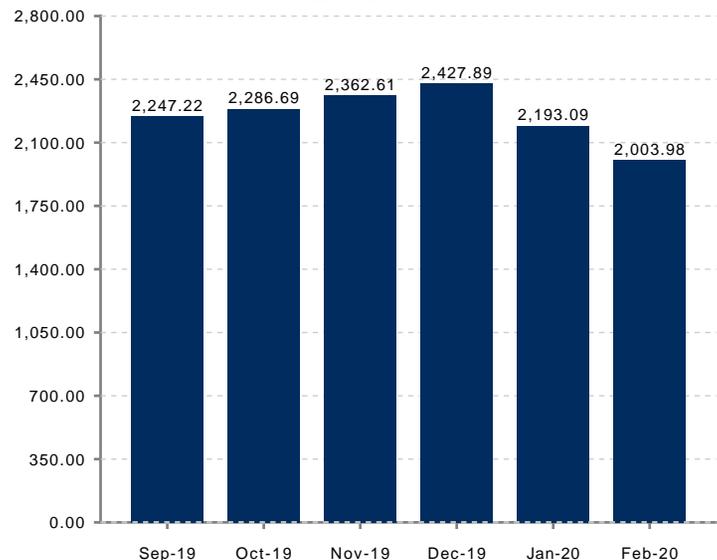
## Return Comparison



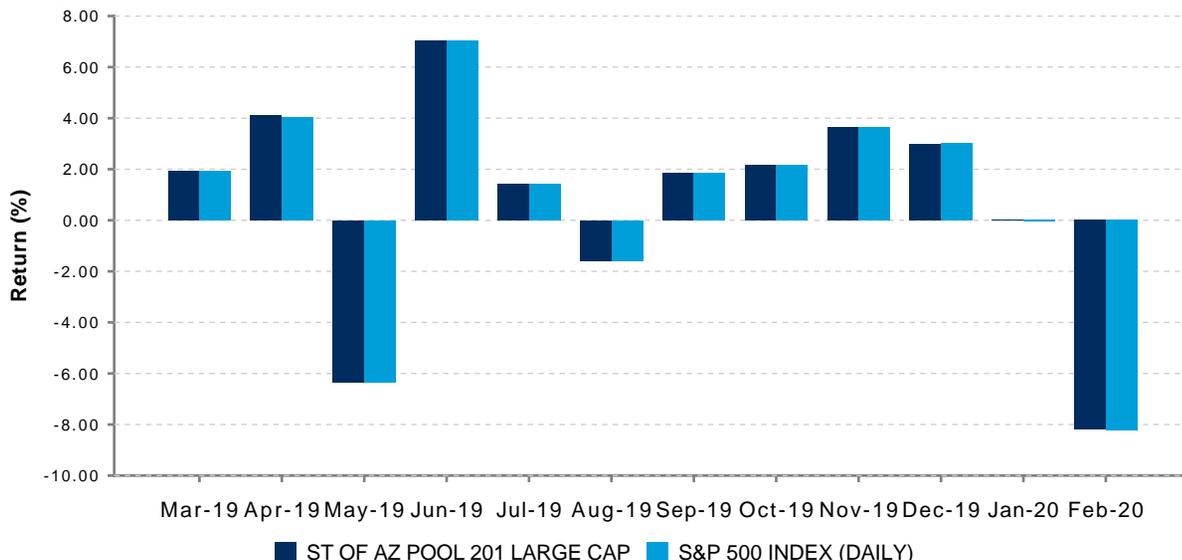
	Market Value	Actual Weight	1 Mth	3 Mth	YTD	FYTD	1 Year	3 Year	5 Year	10 Year	ITD	Inc Date
TOTAL ENDOWMENT RETURN	5,985,599,417	100.00	-4.62	-3.08	-4.83	1.32	5.25	6.04	6.03	8.41	6.34	Jul-01-99
TOTAL ENDOWMENT BENCHMARK			-4.57	-2.90	-4.61	1.86	6.38	6.40	6.23	8.77	6.55	Jul-01-99
ST OF AZ POOL 201 LARGE CAP	2,003,983,001	33.48	-8.20	-5.45	-8.19	1.82	8.29	9.87	9.19	12.62	5.34	Jul-01-99
S&P 500 INDEX (DAILY)			-8.23	-5.50	-8.27	1.75	8.19	9.87	9.23	12.65	5.80	Jul-01-99
ST OF AZ POOL 203 MID CAP	836,610,169	13.98	-9.32	-9.19	-11.70	-5.45	-3.21	3.54	5.66	11.17	8.63	Aug-01-01
S&P 400 MIDCAP INDEX (DAILY)			-9.49	-9.38	-11.86	-5.71	-3.39	3.29	5.49	11.11	8.60	Aug-01-01
ST OF AZ POOL 204 SMALL CAP	550,261,103	9.19	-9.40	-10.20	-12.80	-5.76	-6.91	3.23	6.21		9.81	Mar-01-11
S&P SM 600 TR			-9.61	-10.60	-13.20	-6.25	-7.68	2.96	6.01		9.70	Mar-01-11
POOL 205 FIXED INCOME	2,341,643,726	39.12	1.34	2.78	2.73	4.50	8.23	4.01	3.05	3.15	4.73	Jul-01-99
FTSE BIG (DAILY)			1.68	3.63	3.72	6.37	11.81	5.05	3.60	3.92	5.14	Jul-01-99
POOL 123 FIXED INCOME	253,101,417	4.23	0.16	0.47	0.32	1.39	2.28	1.91			1.68	Jun-01-16
ASTO-POOL 5 BENCHMARK			0.14	0.44	0.29	1.34	2.19	1.80			1.53	Jun-01-16
			0.02	0.03	0.03	0.05	0.09	0.12			0.14	



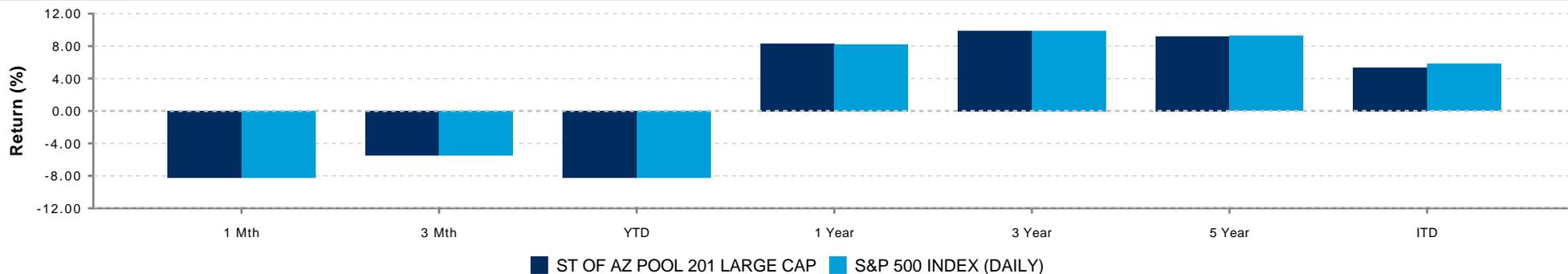
Net Asset Values over Time (\$MM)



Monthly Returns



Rates of Return

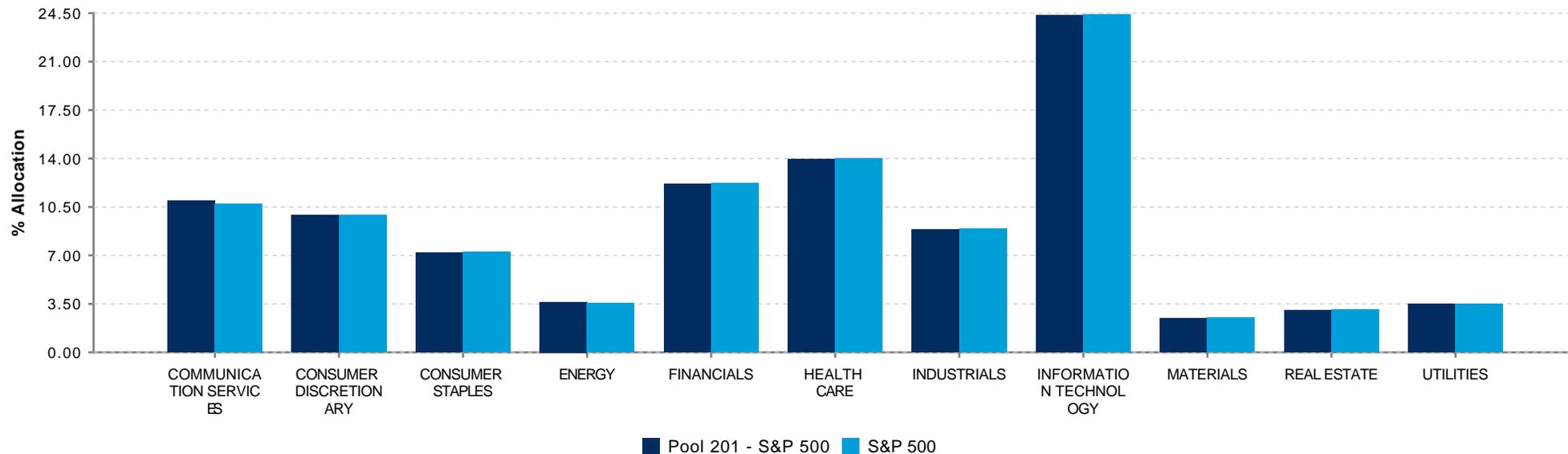


	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Feb 28 2018	Feb 28 2019	Feb 29 2020
ST OF AZ POOL 201 LARGE CAP	-8.20	-5.45	-8.19	8.29	9.87	9.19	5.34	16.99	4.67	8.29
S&P 500 INDEX (DAILY)	-8.23	-5.50	-8.27	8.19	9.87	9.23	5.80	17.10	4.68	8.19
	0.04	0.05	0.07	0.10	-0.00	-0.04	-0.46	-0.11	-0.01	0.10

# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

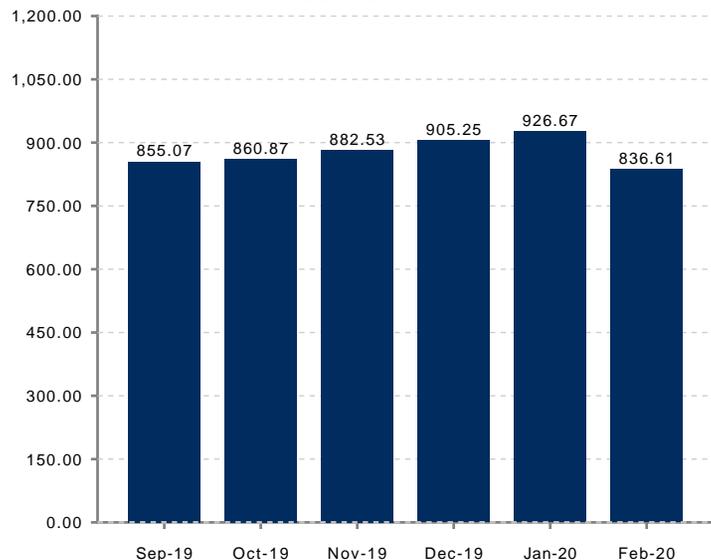
ST OF AZ POOL 201 LARGE CAP  
Sector Allocation vs S&P 500



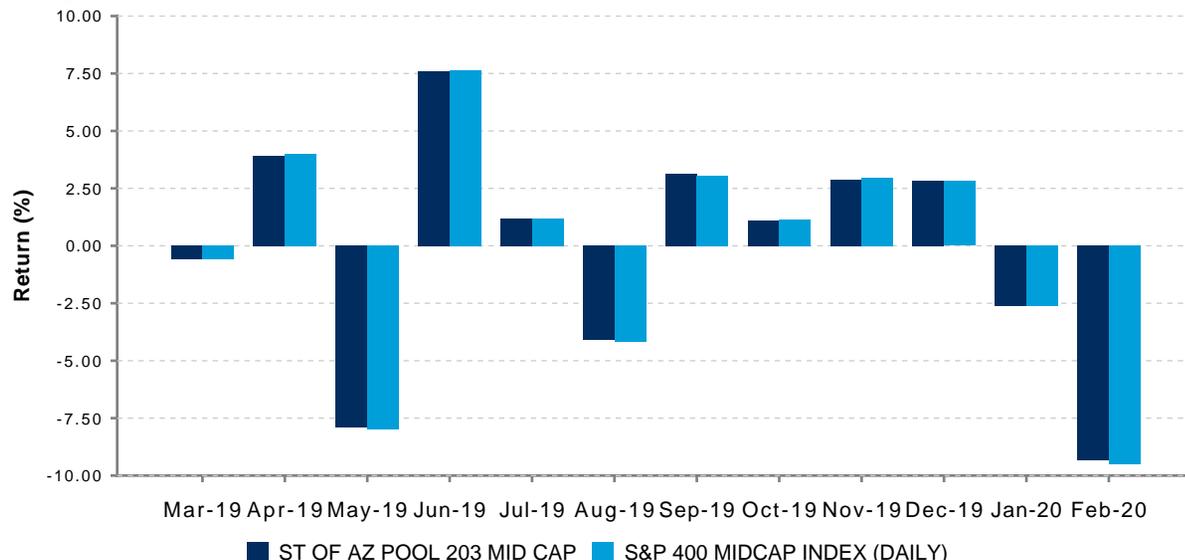
	Fund Weight	Benchmark Weight	Relative Weight
ST OF AZ POOL 201 LARGE CAP	100.00	100.00	0.00
COMMUNICATION SERVICES	10.94	10.71	0.23
CONSUMER DISCRETIONARY	9.90	9.90	-0.00
CONSUMER STAPLES	7.21	7.24	-0.03
ENERGY	3.64	3.58	0.06
FINANCIALS	12.14	12.20	-0.06
HEALTH CARE	13.97	14.03	-0.06
INDUSTRIALS	8.86	8.90	-0.04
INFORMATION TECHNOLOGY	24.35	24.42	-0.08
MATERIALS	2.48	2.49	-0.01
REAL ESTATE	3.05	3.07	-0.02
UTILITIES	3.47	3.47	-0.00



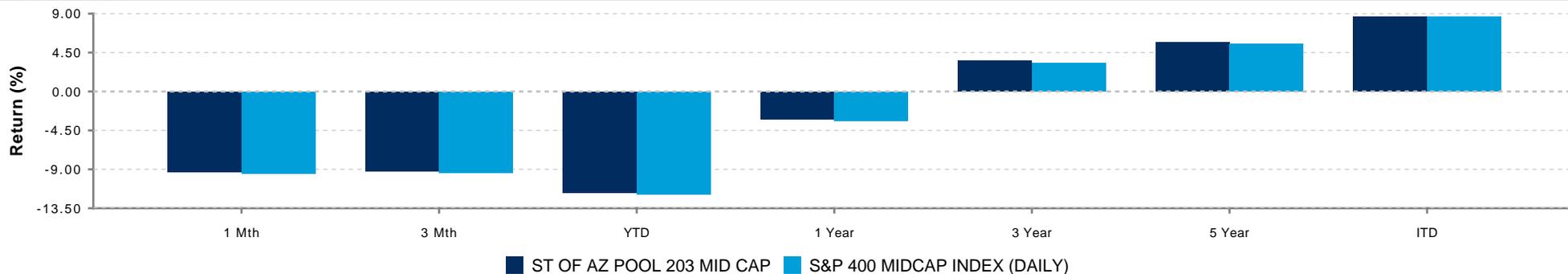
Net Asset Values over Time (\$MM)



Monthly Returns



Rates of Return

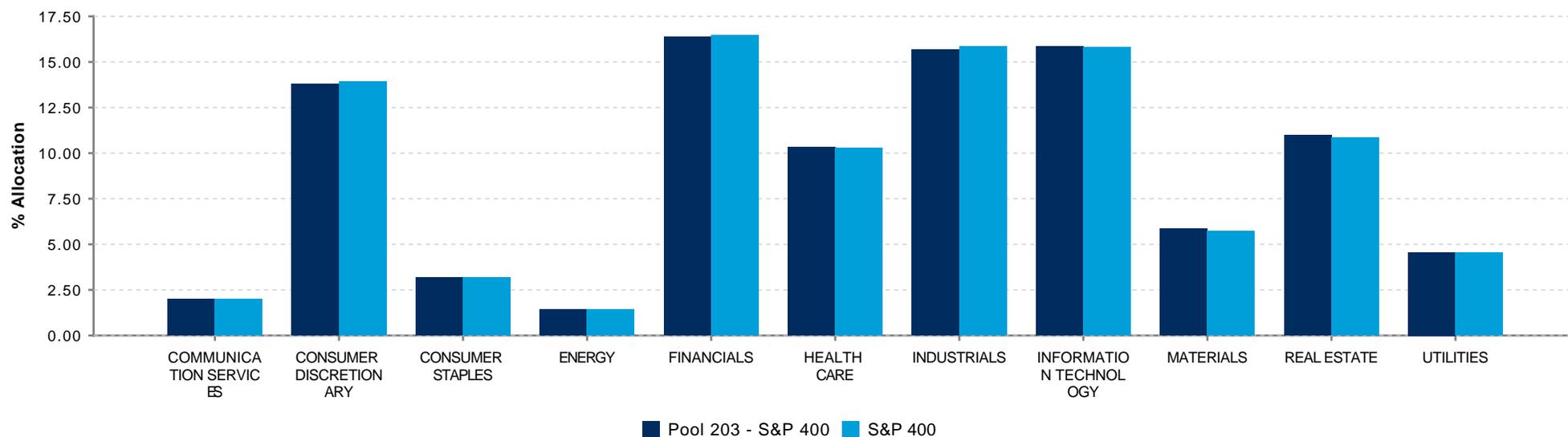


	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Feb 28 2018	Feb 28 2019	Feb 29 2020
ST OF AZ POOL 203 MID CAP	-9.32	-9.19	-11.70	-3.21	3.54	5.66	8.63	9.78	4.46	-3.21
S&P 400 MIDCAP INDEX (DAILY)	-9.49	-9.38	-11.86	-3.39	3.29	5.49	8.60	9.53	4.14	-3.39
	0.18	0.19	0.16	0.18	0.25	0.17	0.03	0.25	0.32	0.18

# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

ST OF AZ POOL 203 MID CAP  
Sector Allocation vs S&P MID CAP 400



	Weight Fund	Weight Benchmark	Weight Relative
ST OF AZ POOL 203 MID CAP	100.00	100.00	0.00
COMMUNICATION SERVICES	1.98	1.98	0.00
CONSUMER DISCRETIONARY	13.79	13.91	-0.11
CONSUMER STAPLES	3.18	3.17	0.01
ENERGY	1.44	1.44	0.01
FINANCIALS	16.37	16.45	-0.09
HEALTH CARE	10.32	10.29	0.03
INDUSTRIALS	15.67	15.85	-0.18
INFORMATION TECHNOLOGY	15.86	15.82	0.04
MATERIALS	5.84	5.72	0.12
REAL ESTATE	10.99	10.84	0.15
UTILITIES	4.56	4.54	0.02

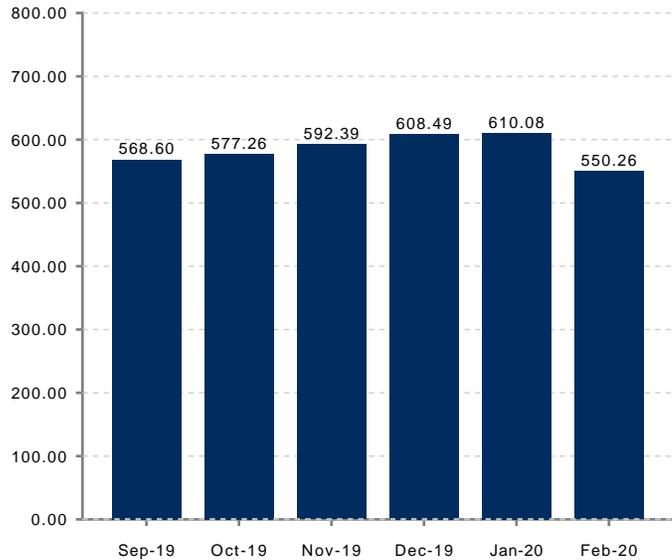
# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

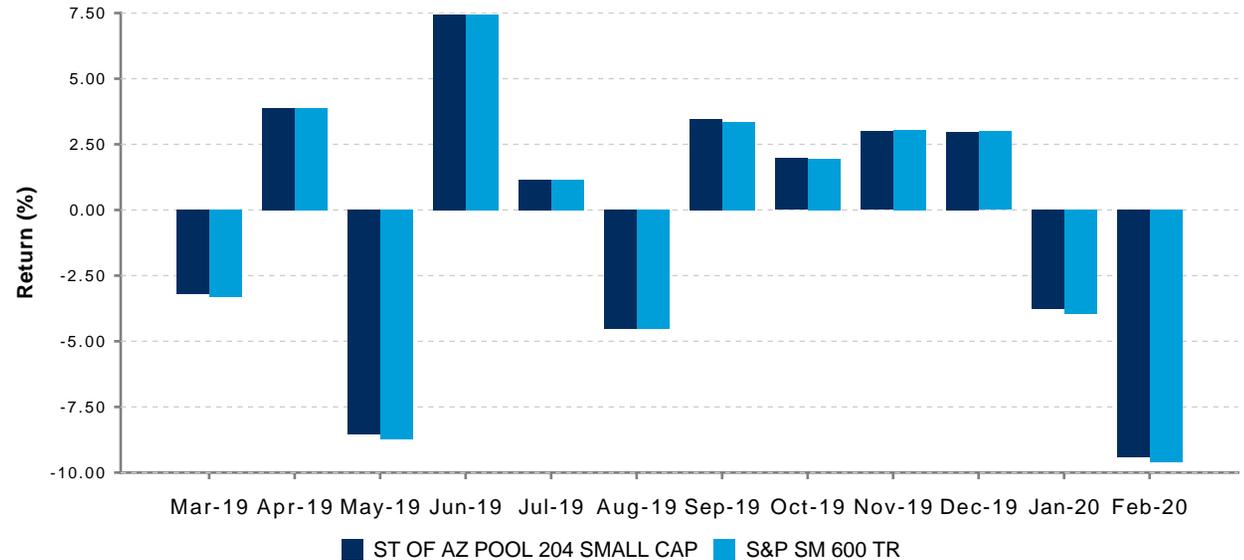
ST OF AZ POOL 204 SMALL CAP



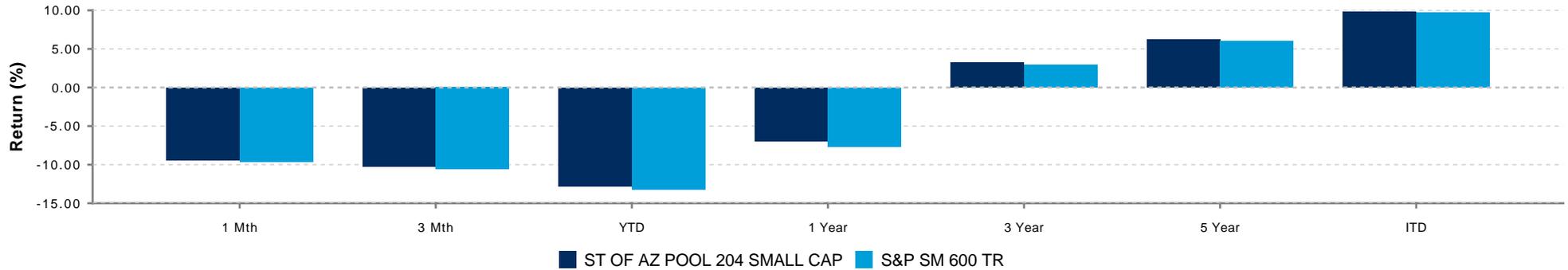
## Net Asset Values over Time (\$MM)



## Monthly Returns



## Rates of Return

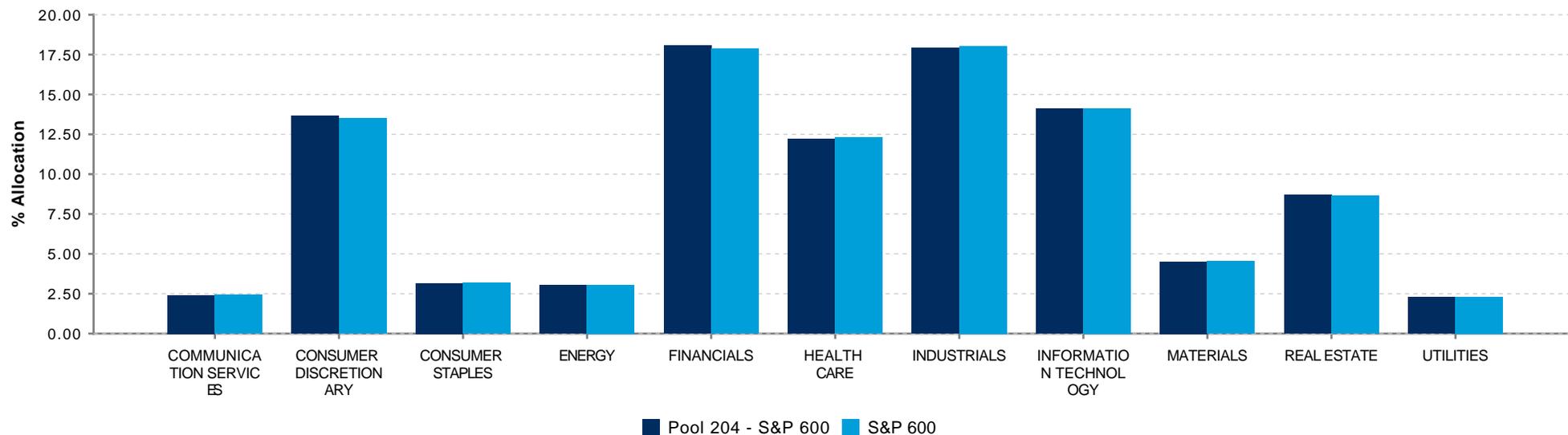


	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Feb 28 2018	Feb 28 2019	Feb 29 2020
ST OF AZ POOL 204 SMALL CAP	-9.40	-10.20	-12.80	-6.91	3.23	6.21	9.81	10.26	7.16	-6.91
S&P SM 600 TR	-9.61	-10.60	-13.20	-7.68	2.96	6.01	9.70	10.29	7.20	-7.68
	0.21	0.40	0.39	0.77	0.26	0.19	0.11	-0.03	-0.04	0.77

# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

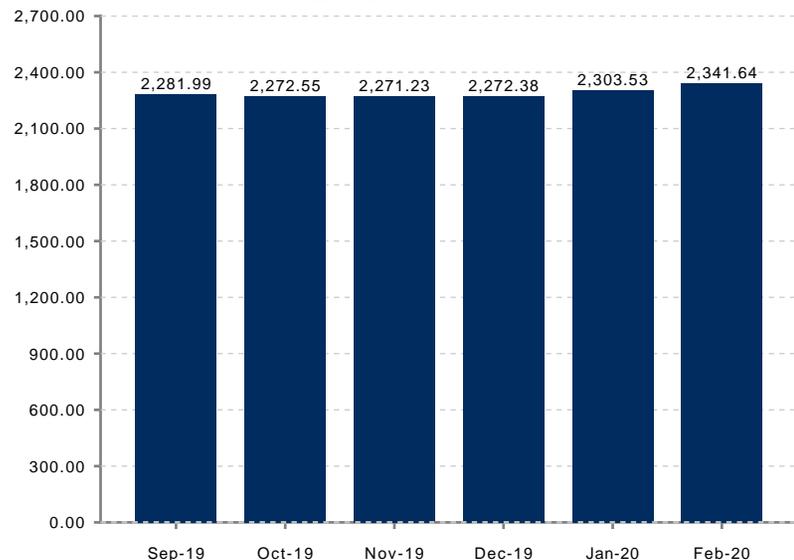
ST OF AZ POOL 204 SMALL CAP  
Sector Allocation vs S&P SMALLCAP 600



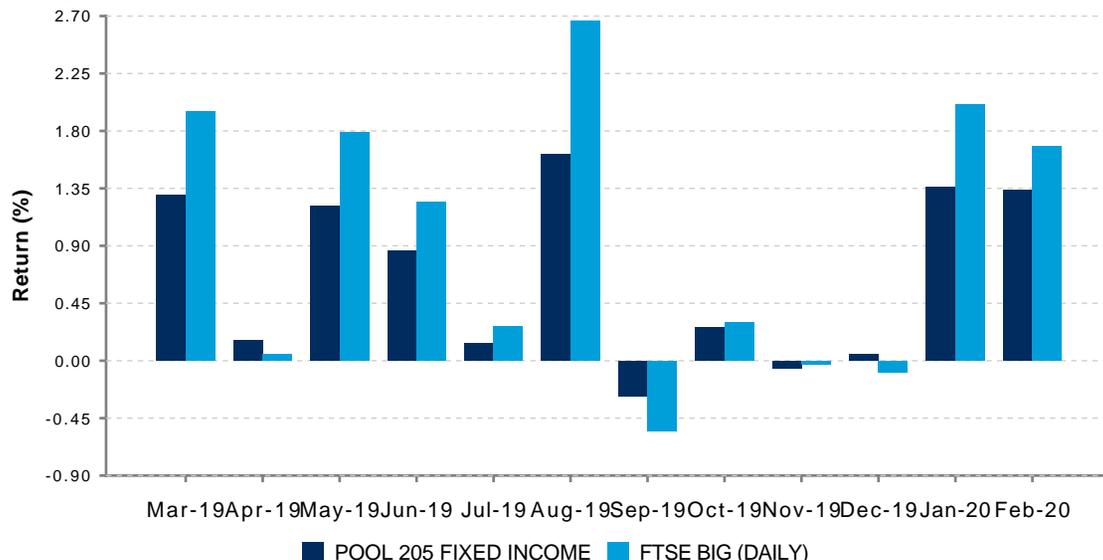
	Weight Fund	Weight Benchmark	Weight Relative
ST OF AZ POOL 204 SMALL CAP	100.00	100.00	0.00
COMMUNICATION SERVICES	2.41	2.43	-0.02
CONSUMER DISCRETIONARY	13.64	13.49	0.15
CONSUMER STAPLES	3.16	3.19	-0.03
ENERGY	3.05	3.06	-0.01
FINANCIALS	18.06	17.88	0.18
HEALTH CARE	12.19	12.29	-0.10
INDUSTRIALS	17.90	18.04	-0.13
INFORMATION TECHNOLOGY	14.11	14.13	-0.02
MATERIALS	4.51	4.54	-0.03
REAL ESTATE	8.68	8.65	0.04
UTILITIES	2.29	2.31	-0.02



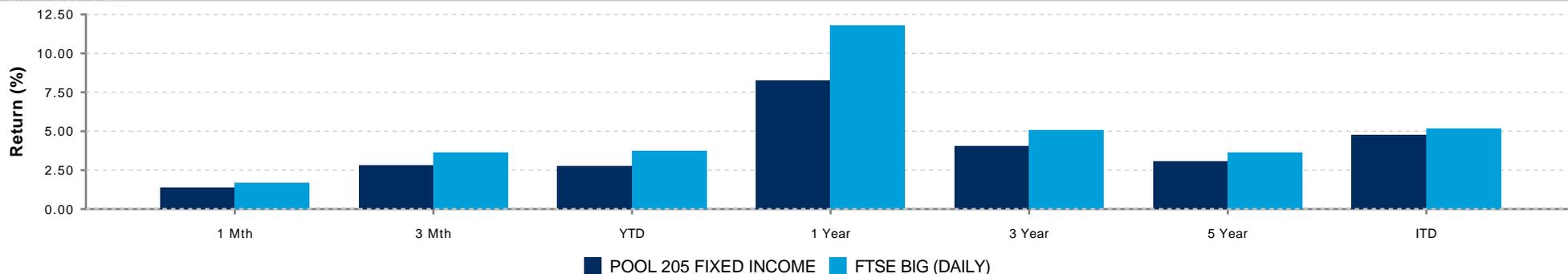
Net Asset Values over Time (\$MM)



Monthly Returns



Rates of Return

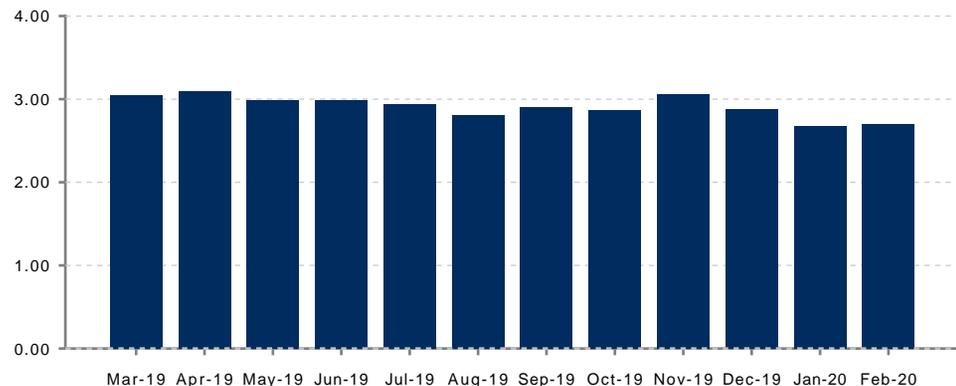


	1 Mth	3 Mth	YTD	1 Year	3 Year	5 Year	ITD	Feb 29 2020	Feb 28 2019	Feb 28 2018
POOL 205 FIXED INCOME	1.34	2.78	2.73	8.23	4.01	3.05	4.73	8.23	3.42	0.52
FTSE BIG (DAILY)	1.68	3.63	3.72	11.81	5.05	3.60	5.14	11.81	3.14	0.52
	-0.33	-0.85	-1.00	-3.58	-1.04	-0.55	-0.41	-3.58	0.28	0.01

*(This page intentionally left blank)*



**Net Yield**



**Current Mth**      **Prior Mth**      **1 Year Ago**

POOL 205 FIXED INCOME

2.70

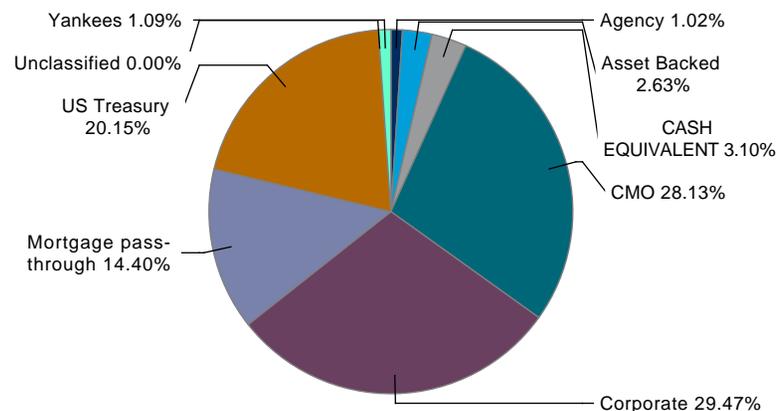
2.68

**Asset Allocation**

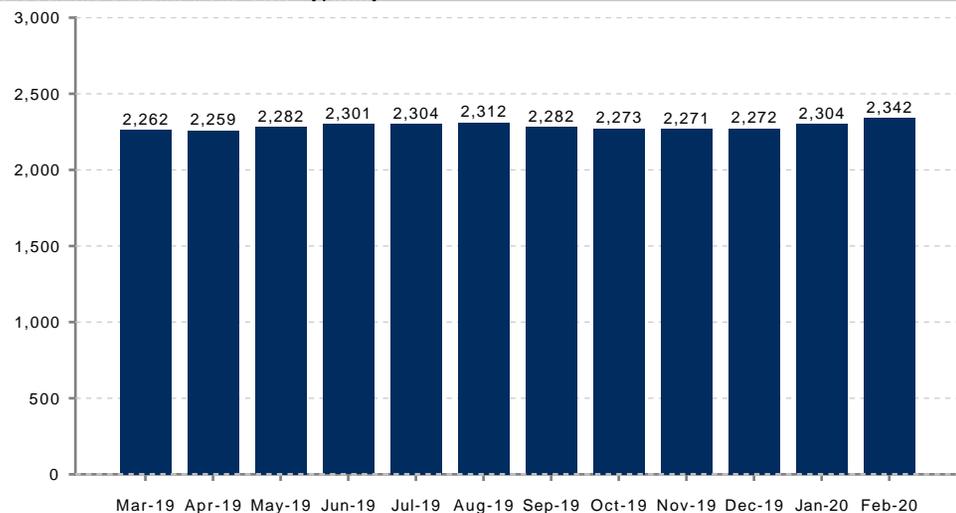
POOL 205 FIXED INCOME

**Ending Market Value**

2,341,643,726



**Net Asset Values over Time (\$MM)**

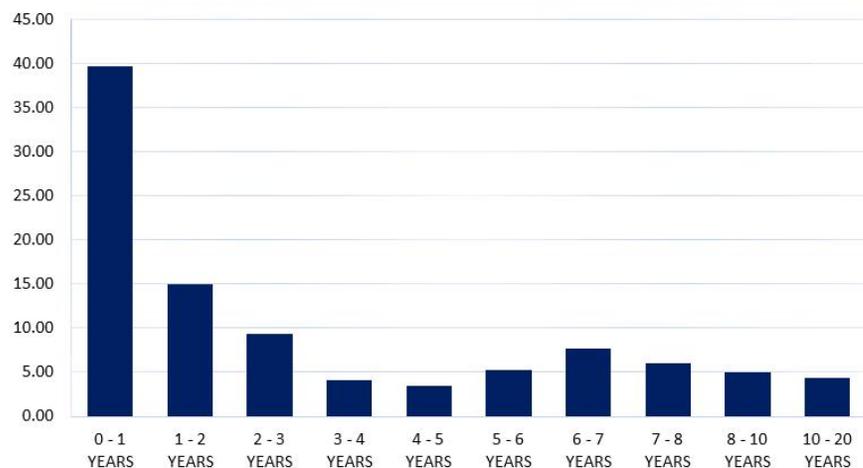


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
POOL 205 FIXED INCOME		
US TREASURY N/B	49,131,278	2.10
US TREASURY N/B	37,405,395	1.60
US TREASURY N/B	29,065,325	1.24
US TREASURY N/B	27,269,694	1.16
US TREASURY N/B	27,126,863	1.16
US TREASURY N/B	23,823,978	1.02
US TREASURY N/B	20,942,533	0.89
US TREASURY N/B	20,812,648	0.89
PEPSICO INC	20,132,483	0.86
PNC BANK NA	20,027,199	0.86



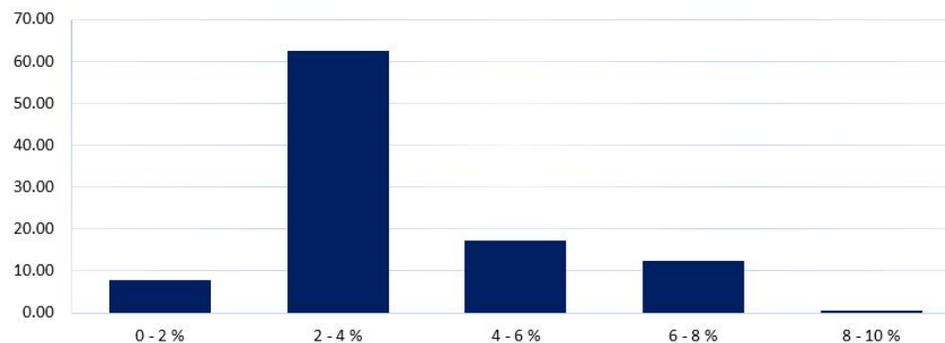
**Duration Distribution**



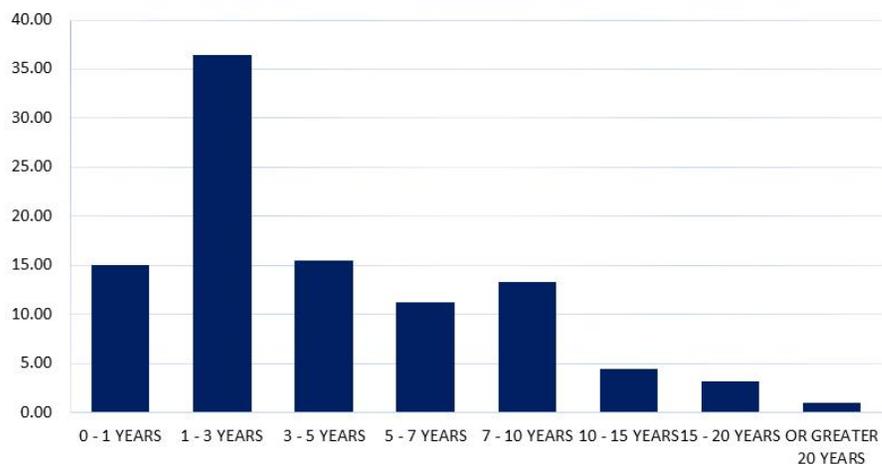
**Portfolio Level Characteristics**

	POOL 205 FIXED INCOME
Effective Maturity	4.48
Coupon	3.63
Effective Duration	2.97
Quality Rating (Moody's)	AA-2

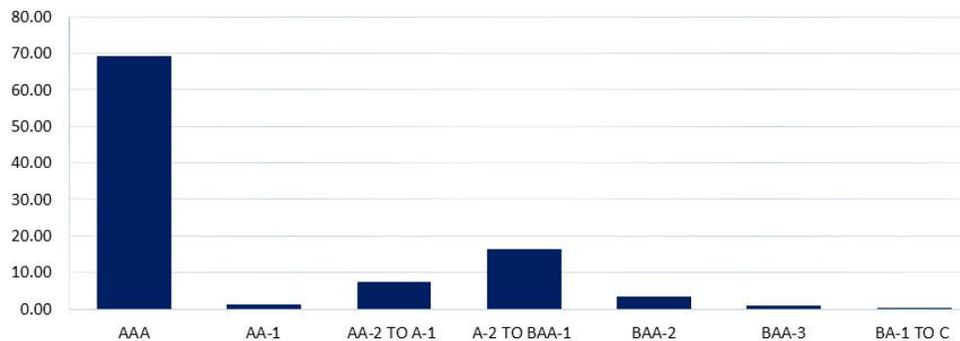
**Coupon Distribution**



**Expected Maturity Distribution**

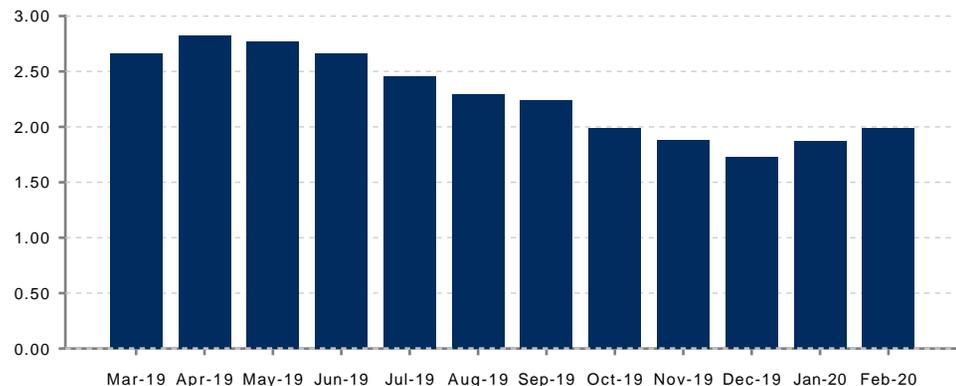


**Rating Distribution**





**Net Yield**

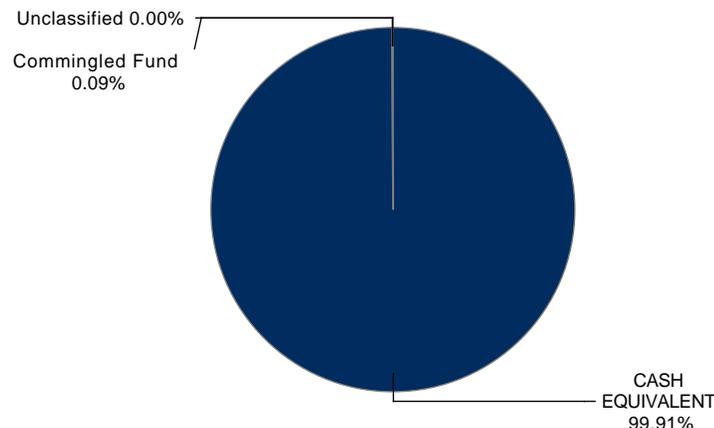


**Current Mth    Prior Mth    1 Year Ago**

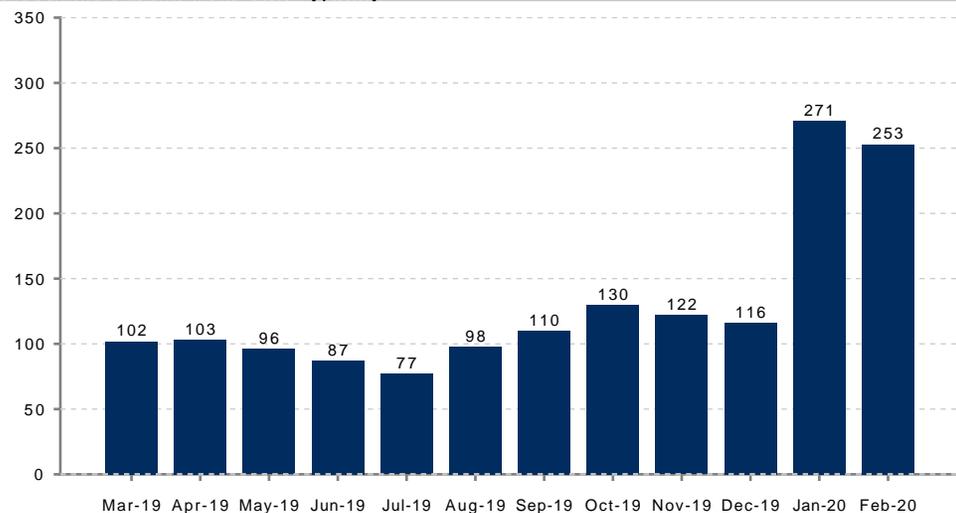
ST OF AZ POOL 123 ST FIXED INC	1.99	1.87
--------------------------------	------	------

**Asset Allocation**

	Ending Market Value
ST OF AZ POOL 123 ST FIXED INC	253,101,417



**Net Asset Values over Time (\$MM)**

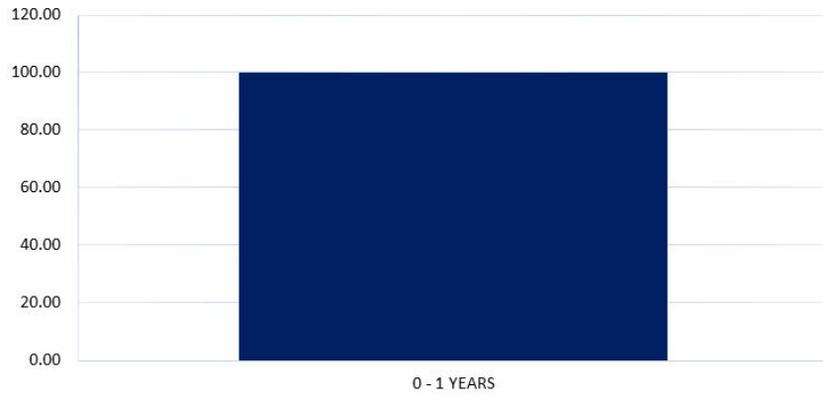


**Top 10 Holdings**

Security Name	Ending Market Value	% of Portfolio
ST OF AZ POOL 123 ST FIXED INC		
HALKIN FINANCE LLC USC	14,981,367	5.92
HARLEY-DAVIDSON FND CP	14,967,800	5.91
CONCORD MIN CPTL CO	14,955,500	5.91
KELLS FDG LLC	14,947,892	5.91
TORONTO DOMINION BANK	14,917,833	5.89
BOEING COMPANY	9,997,167	3.95
INTERCONTINENTAL EXCHANGE	9,974,089	3.94
MOUNTCLIFF	9,968,906	3.94
CAN AST + CAN LTD JT	9,951,325	3.93
HALKIN FINANCE LLC USC	9,945,306	3.93



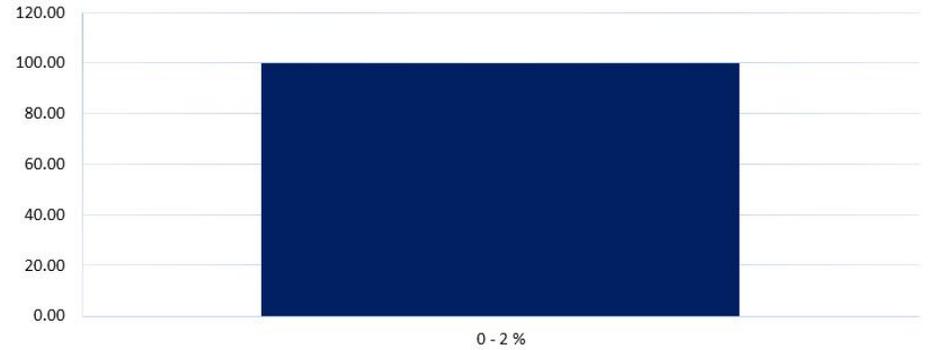
**Duration Distribution**



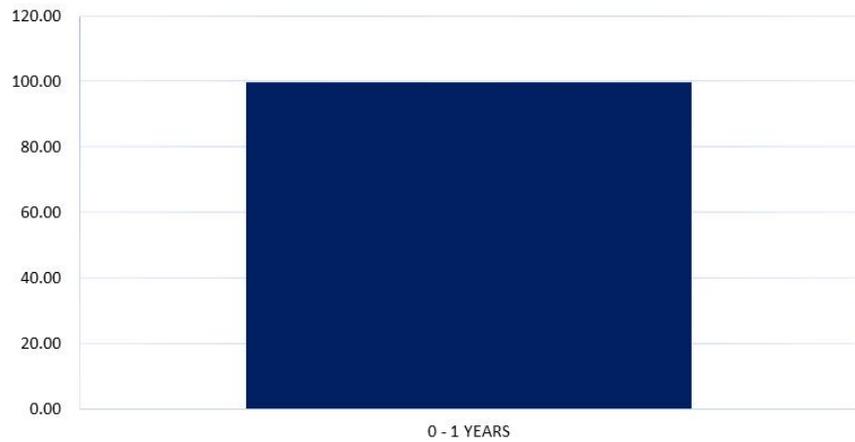
**Portfolio Level Characteristics**

	POOL 123 ST
Effective Maturity	0.17
Coupon	0.00
Effective Duration	0.17
Quality Rating (Moody's)	AA-1

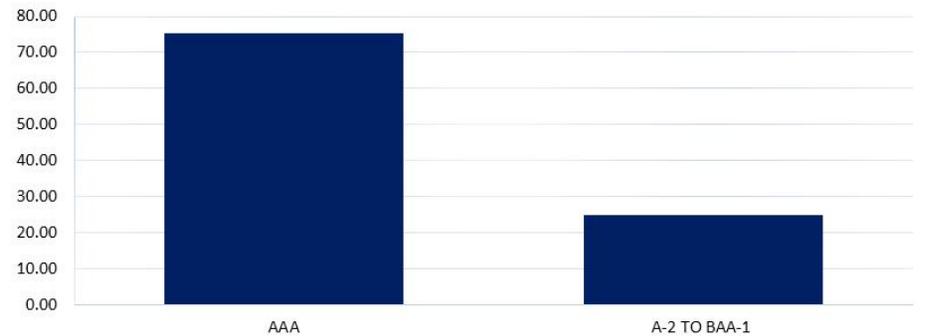
**Coupon Distribution**



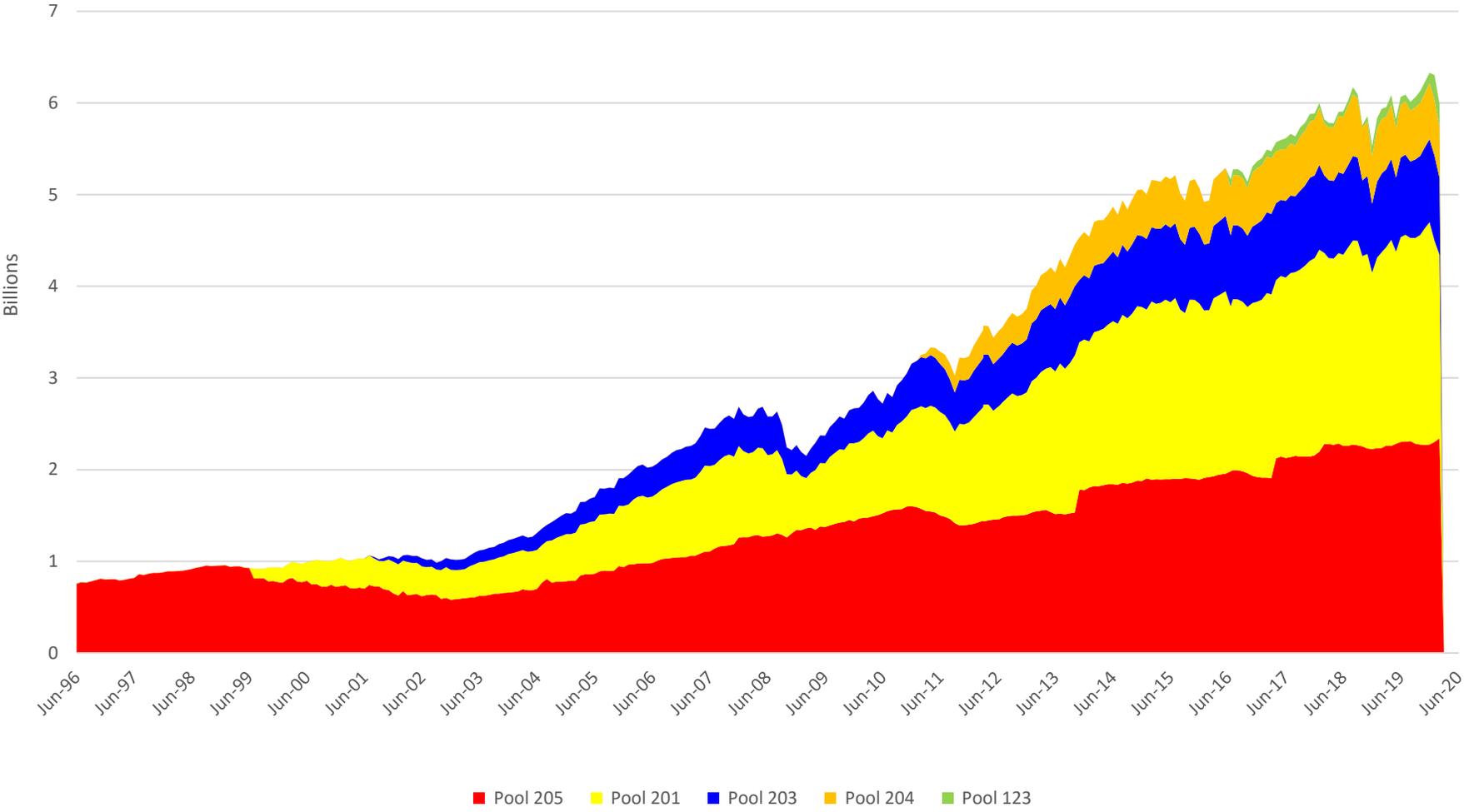
**Expected Maturity Distribution**



**Rating Distribution**



### Permanent Land Endowment Trust Fund Market Value



## ARIZONA ENDOWMENT TRUST FUND

### NET REALIZED CAPITAL GAIN/(LOSS)

February 2020 February 2019

Current Month	\$0	\$0
Year-to-date	(273)	0

### MONTHLY PROCEEDS

FY 2020

July	\$0
August	0
September	4,749,889
October	931,330
November	874,356
December	841,488
January	753,478
February	763,898
March	
April	
May	
June	
<b>TOTAL</b>	<b>\$8,914,439</b>

### ASSET ALLOCATION

	<u>SHARES OUTSTANDING</u>	<u>BOOK VALUE</u>	<u>MARKET VALUE</u>	<u>UNREALIZED GAIN / (LOSS)</u>
<i>Equity Pools</i>	545,425	\$5,348,663	\$5,197,680	(\$150,983)
<i>Fixed Income Pools</i>	334,409	3,565,776	3,700,988	135,213
<b>TOTAL</b>	<b>879,834</b>	<b>\$8,914,439</b>	<b>\$8,898,669</b>	<b>(\$15,770)</b>

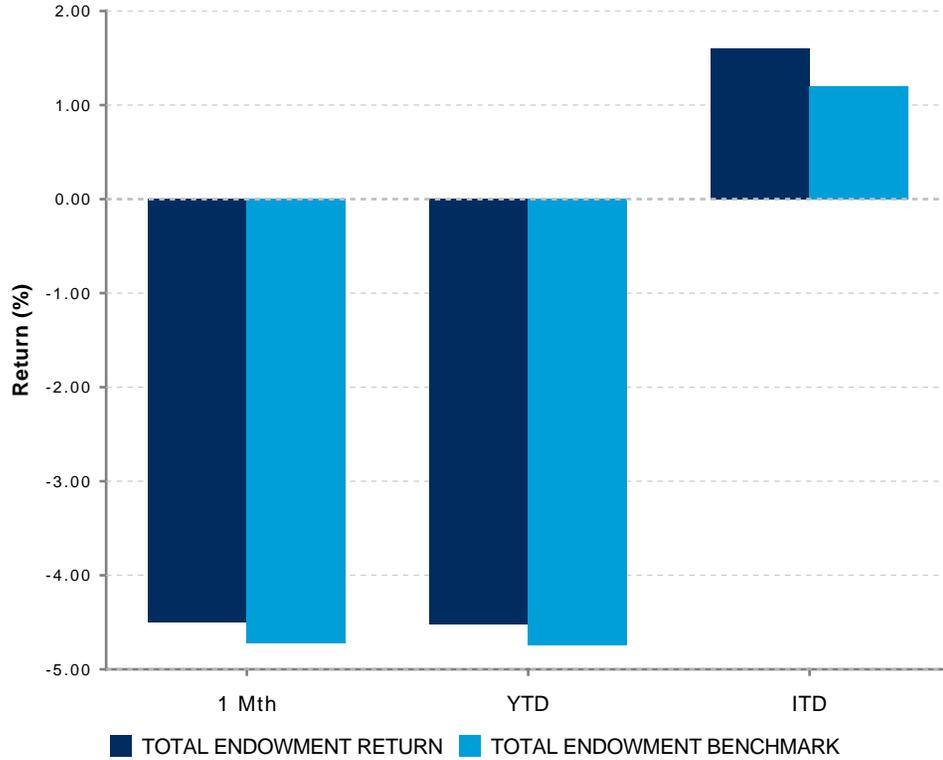
# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

## Arizona Endowment Trust Fund Summary



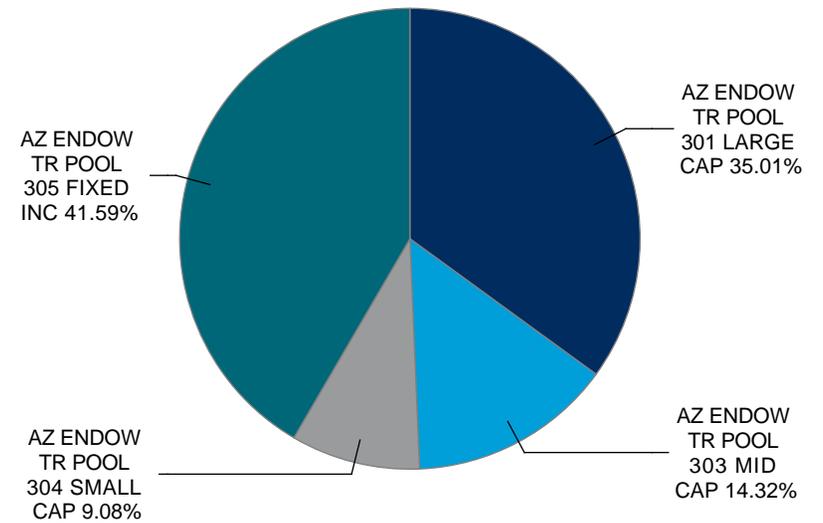
### Performance



	1 Mth	YTD	ITD	Incept Date
TOTAL ENDOWMENT RETURN	-4.50	-4.52	1.60	09/19
TOTAL ENDOWMENT BENCHMARK	-4.72	-4.75	1.20	09/19
	0.22	0.24	0.40	

### Asset Allocation

	Ending Market Value
TOTAL ENDOWMENT RETURN	8,898,671



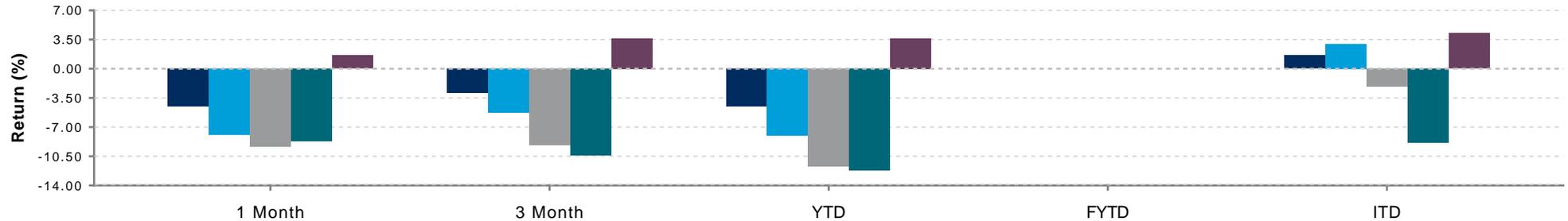
# OFFICE OF THE ARIZONA STATE TREASURER

February 29, 2020

Total Returns Net Mgr



## Return Comparison



■ TOTAL ENDOWMENT RETURN 
 ■ AZ ENDOW TR POOL 301 LARGE CAP 
 ■ AZ ENDOW TR POOL 303 MID CAP 
 ■ AZ ENDOW TR POOL 304 SMALL CAP 
 ■ AZ ENDOW TR POOL 305 FIXED INC

	Market Value	Actual Weight	1 Mth	3 Mth	YTD	FYTD	ITD	Inc Date
TOTAL ENDOWMENT RETURN	8,898,671	100.00	-4.50	-2.88	-4.52		1.60	Sep-01-19
TOTAL ENDOWMENT BENCHMARK			-4.72	-3.06	-4.75		1.20	Sep-01-19
AZ ENDOW TR POOL 301 LARGE CAP	3,115,508	35.01	-7.94	-5.22	-7.98		2.99	Sep-01-19
S&P 500 INDEX (DAILY)			-8.23	-5.50	-8.27		1.92	Sep-01-19
AZ ENDOW TR POOL 303 MID CAP	1,274,515	14.32	-9.34	-9.19	-11.72		-2.09	Sep-01-19
S&P 400 MIDCAP INDEX (DAILY)			-9.49	-9.38	-11.86		-2.74	Sep-01-19
AZ ENDOW TR POOL 304 SMALL CAP	807,660	9.08	-8.70	-10.39	-12.21		-8.87	Sep-01-19
S&P SM 600 TR			-9.61	-10.60	-13.20		-2.93	Sep-01-19
AZ ENDOW TR POOL 305 FIXED INC	3,700,988	41.59	1.59	3.62	3.65		4.24	Sep-01-19
FTSE BIG (DAILY)			1.68	3.63	3.72		3.34	Sep-01-19
			-0.09	-0.01	-0.07		0.91	

### Arizona Endowment Trust Fund Market Value

